

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042919\
 Data File : VX009204.D
 Acq On : 29 Apr 2019 13:20
 Operator : JC/SP
 Sample : VSTDIC100
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 4/30/2019 11:03:35 AM

Quant Time: Apr 30 06:50:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 06:38:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	190128	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	309274	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	283520	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	143425	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	251468	93.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	186.70%	
35) Dibromofluoromethane	5.49	113	189023	94.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	189.76%	
50) Toluene-d8	8.71	98	770117	96.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	193.42%	
62) 4-Bromofluorobenzene	11.13	95	294537	104.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	208.76%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	184131	87.317	ug/l 99
3) Chloromethane	1.32	50	238178	89.676	ug/l 100
4) Vinyl Chloride	1.41	62	240863	93.416	ug/l 98
5) Bromomethane	1.64	94	147949	88.039	ug/l 98
6) Chloroethane	1.70	64	150495	98.353	ug/l 99
7) Trichlorofluoromethane	1.92	101	289105	95.454	ug/l 99
8) Diethyl Ether	2.18	74	132176	94.843	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	181420	93.497	ug/l 100
10) Methyl Iodide	2.51	142	221936	115.567	ug/l 99
11) Tert butyl alcohol	3.06	59	307475	513.706	ug/l 100
12) 1,1-Dichloroethene	2.37	96	185673	92.011	ug/l 96
13) Acrolein	2.29	56	268979	521.693	ug/l 99
14) Allyl chloride	2.72	41	442270	99.997	ug/l 99
15) Acrylonitrile	3.14	53	739602	492.109	ug/l 100
16) Acetone	2.45	43	687918	496.366	ug/l 99
17) Carbon Disulfide	2.56	76	534271	85.937	ug/l 100
18) Methyl Acetate	2.78	43	326032	94.089	ug/l 99
19) Methyl tert-butyl Ether	3.20	73	706664	97.641	ug/l 100
20) Methylene Chloride	2.85	84	220107	92.630	ug/l 99
21) trans-1,2-Dichloroethene	3.16	96	197661	91.748	ug/l 100
22) Diisopropyl ether	3.85	45	842564	97.629	ug/l 99
23) Vinyl Acetate	3.81	43	3770147	499.700	ug/l 100
24) 1,1-Dichloroethane	3.70	63	413472	95.647	ug/l 100
25) 2-Butanone	4.68	43	1126870	509.445	ug/l 99
26) 2,2-Dichloropropane	4.58	77	315073	97.182	ug/l 100
27) cis-1,2-Dichloroethene	4.59	96	234139	95.348	ug/l 99
28) Bromochloromethane	5.01	49	165397	81.400	ug/l 99
29) Tetrahydrofuran	5.13	42	721699	487.957	ug/l 100
30) Chloroform	5.21	83	376533	97.277	ug/l 100
31) Cyclohexane	5.57	56	396207	93.708	ug/l 99
32) 1,1,1-Trichloroethane	5.49	97	317528	99.103	ug/l 100
36) 1,1-Dichloropropene	5.80	75	295573	93.267	ug/l 100
37) Ethyl Acetate	4.84	43	412867	101.208	ug/l 99
38) Carbon Tetrachloride	5.78	117	268060	99.312	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	366126	95.004	ug/l	99
40) Benzene	6.14	78	897399	95.675	ug/l	99
41) Methacrylonitrile	5.04	41	237159	100.764	ug/l	100
42) 1,2-Dichloroethane	6.19	62	318609	95.868	ug/l	99
43) Isopropyl Acetate	6.45	43	669459	101.471	ug/l	100
44) Trichloroethene	7.21	130	215625	93.949	ug/l	100
45) 1,2-Dichloropropane	7.51	63	256412	98.379	ug/l	99
46) Dibromomethane	7.66	93	146716	96.834	ug/l	99
47) Bromodichloromethane	7.90	83	302725	101.642	ug/l	97
48) Methyl methacrylate	7.77	41	337948	103.687	ug/l	100
49) 1,4-Dioxane	7.74	88	124697	2000.648	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	2191956	519.552	ug/l	100
52) Toluene	8.79	92	551527	97.891	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	363787	106.700	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	390694	101.977	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	222330	99.298	ug/l	97
56) Ethyl methacrylate	9.18	69	426953	106.480	ug/l	99
57) 1,3-Dichloropropane	9.37	76	392876	98.859	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	1079112	498.252	ug/l	99
59) 2-Hexanone	9.49	43	1695428	518.541	ug/l	100
60) Dibromochloromethane	9.58	129	232676	108.441	ug/l	98
61) 1,2-Dibromoethane	9.67	107	229873	99.892	ug/l	100
64) Tetrachloroethene	9.34	164	190396	89.397	ug/l	100
65) Chlorobenzene	10.14	112	575478	96.282	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	210624	100.100	ug/l	99
67) Ethyl Benzene	10.25	91	1069641	98.009	ug/l	99
68) m/p-Xylenes	10.36	106	786625	197.755	ug/l	98
69) o-Xylene	10.70	106	385492	99.601	ug/l	100
70) Styrene	10.71	104	689082	102.513	ug/l	99
71) Bromoform	10.85	173	184378	109.757	ug/l #	100
73) Isopropylbenzene	11.02	105	1025504	94.923	ug/l	99
74) N-amyl acetate	10.90	43	616659	98.889	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	374574	94.339	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	318842m	91.399	ug/l	
77) Bromobenzene	11.26	156	261318	95.834	ug/l	98
78) n-propylbenzene	11.36	91	1212104	97.950	ug/l	100
79) 2-Chlorotoluene	11.42	91	716030	95.772	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	877153	96.687	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	141440	105.095	ug/l	98
82) 4-Chlorotoluene	11.51	91	835013	96.244	ug/l	100
83) tert-Butylbenzene	11.77	119	852411	97.557	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	893036	96.634	ug/l	100
85) sec-Butylbenzene	11.94	105	1020026	98.094	ug/l	100
86) p-Isopropyltoluene	12.06	119	933575	97.723	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	461131	96.238	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	464857	95.652	ug/l	100
89) n-Butylbenzene	12.38	91	876078	99.044	ug/l	100
90) Hexachloroethane	12.60	117	164229	104.100	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	454782	95.634	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	87799	96.659	ug/l	100

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ClientSampleId :
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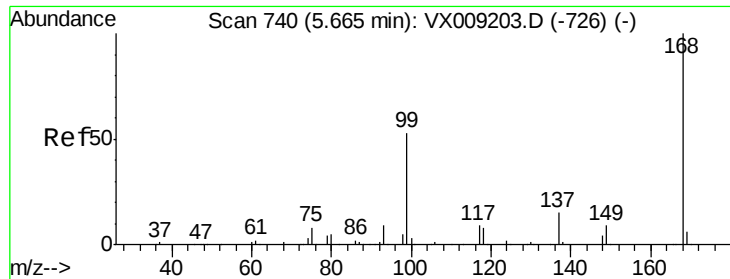
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	330678	96.847	ug/l	99
94) Hexachlorobutadiene	13.78	225	163401	95.902	ug/l	100
95) Naphthalene	13.83	128	1066920	97.184	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	325486	96.176	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009204.D

Acq: 29 Apr 2019 13:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tot Ion:168 Resp: 190128

Ion Ratio Lower Upper

168 100

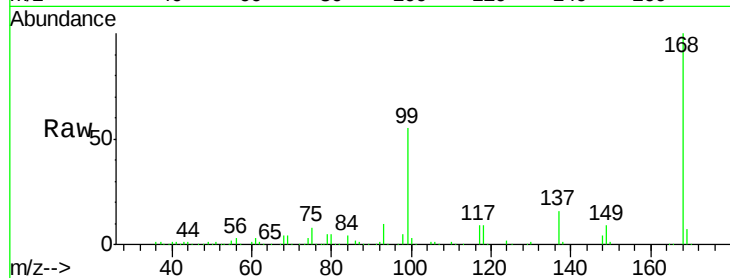
99 54.6 42.3 63.5

Manual Integrations

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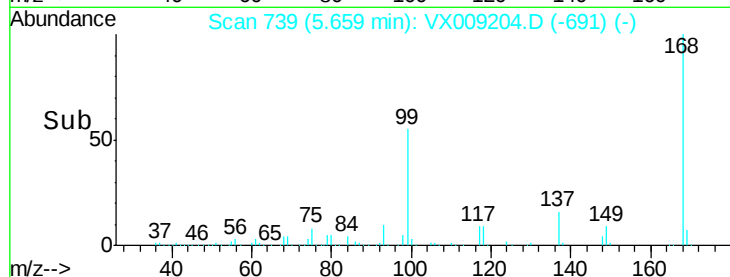


Abundance Ion 167.90 (167.60 to 168.60): V

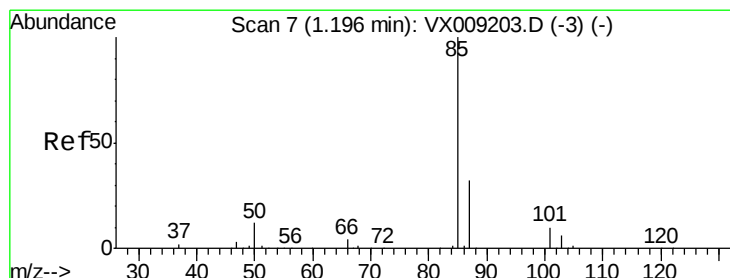
Ion 98.90 (98.60 to 99.60): VX0

5.66

Time-->



Time-->



#2

Dichlorodifluoromethane

Concen: 87.317 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX009204.D

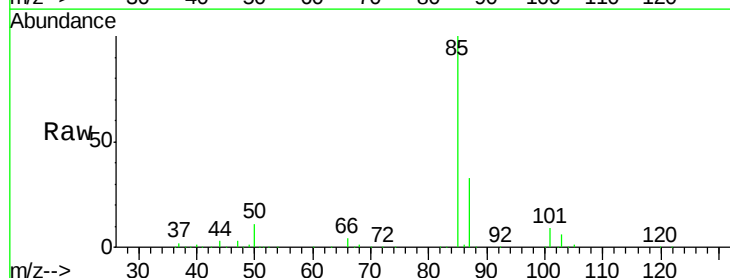
Acq: 29 Apr 2019 13:20

Tgt Ion: 85 Resp: 184131

Ion Ratio Lower Upper

85 100

87 32.9 16.1 48.3

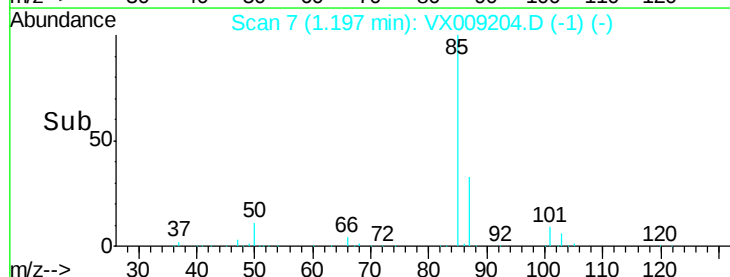


Abundance Ion 84.90 (84.60 to 85.60): VX0

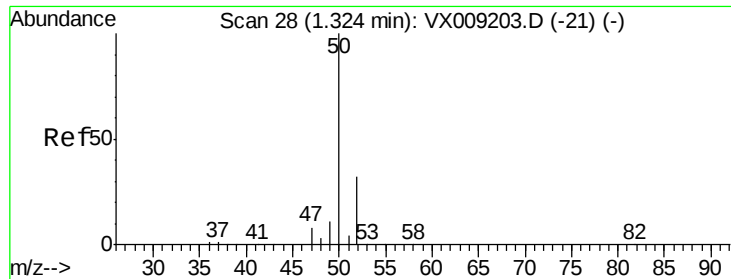
Ion 86.90 (86.60 to 87.60): VX0

1.20

Time-->



Time-->



#3

Chloromethane

Concen: 89.676 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009204.D

Acq: 29 Apr 2019 13:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 238178

Ion Ratio Lower Upper

50 100

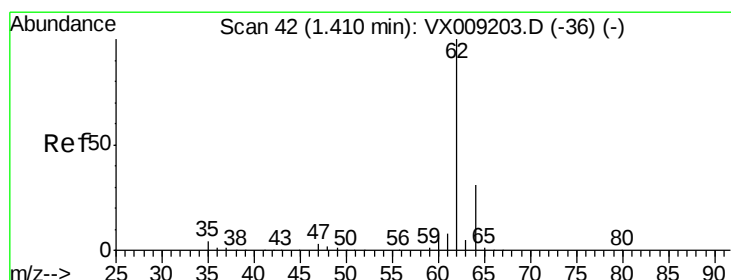
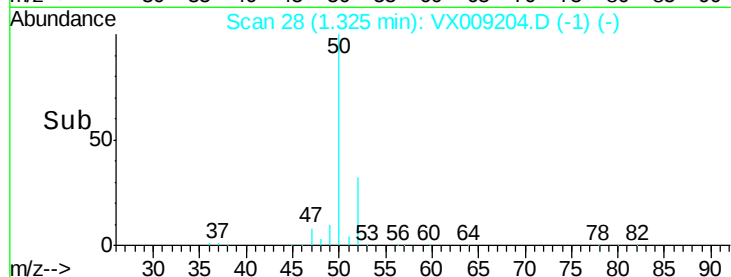
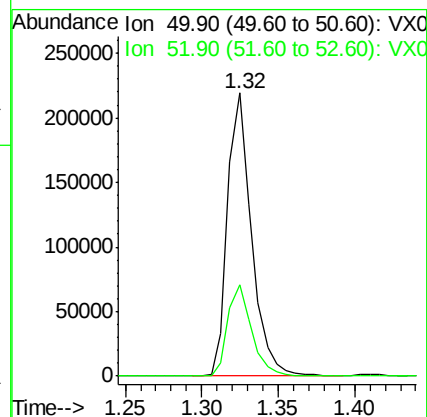
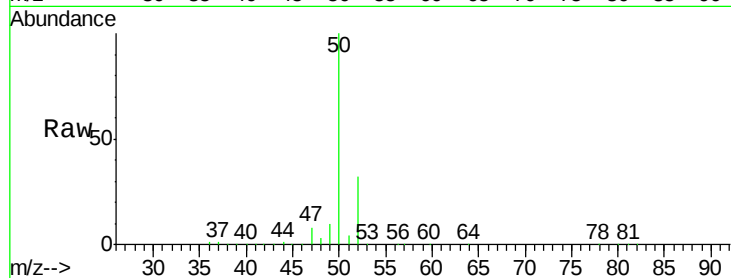
52 32.5 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 93.416 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX009204.D

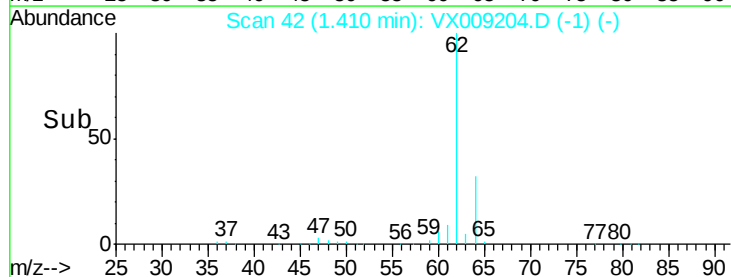
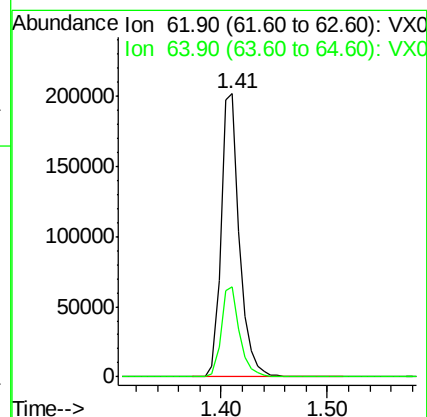
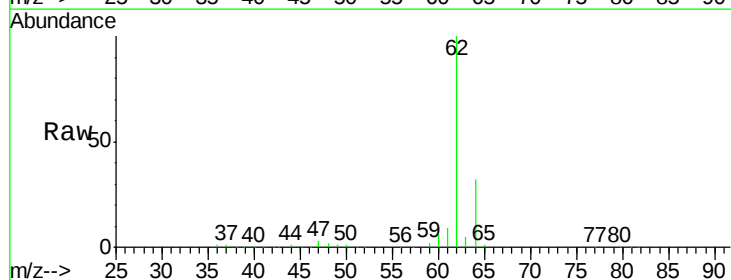
Acq: 29 Apr 2019 13:20

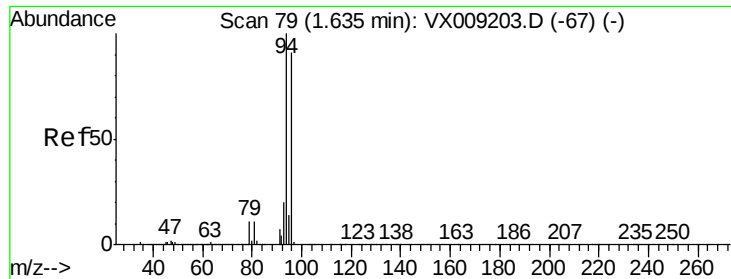
Tgt Ion: 62 Resp: 240863

Ion Ratio Lower Upper

62 100

64 31.9 24.6 36.8





#5

Bromomethane

Concen: 88.039 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009204.D

Acq: 29 Apr 2019 13:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 147949

Ion Ratio Lower Upper

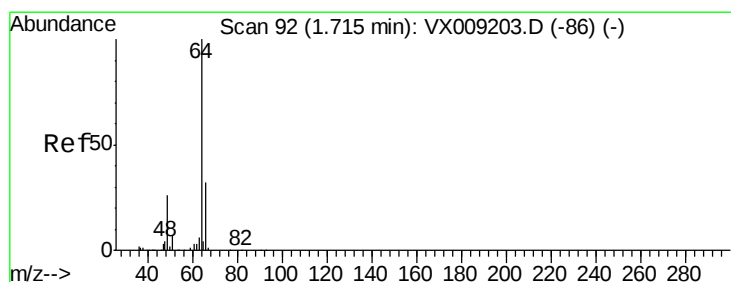
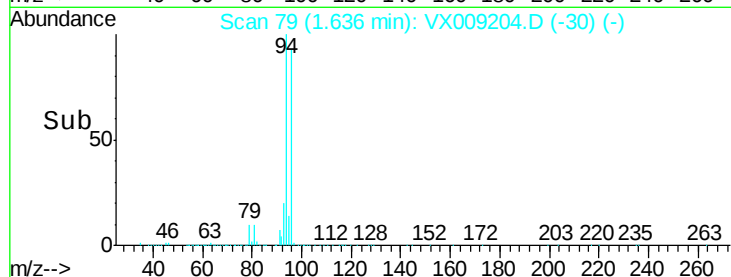
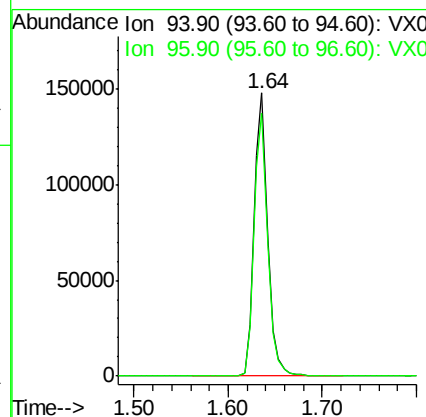
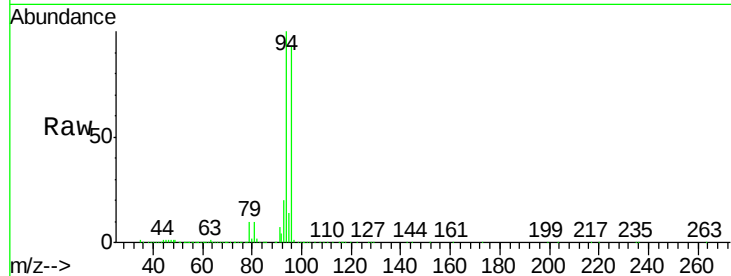
94 100

96 92.9 73.0 109.6

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#6

Chloroethane

Concen: 98.353 ug/l

RT: 1.70 min Scan# 90

Delta R.T. -0.01 min

Lab File: VX009204.D

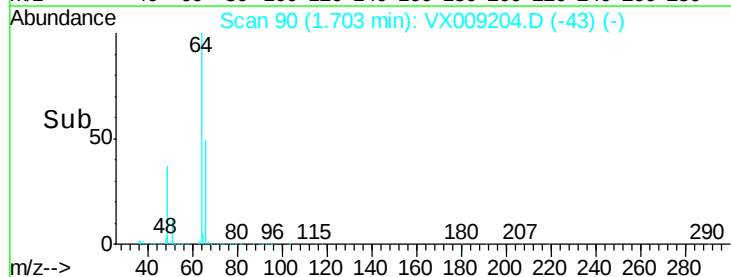
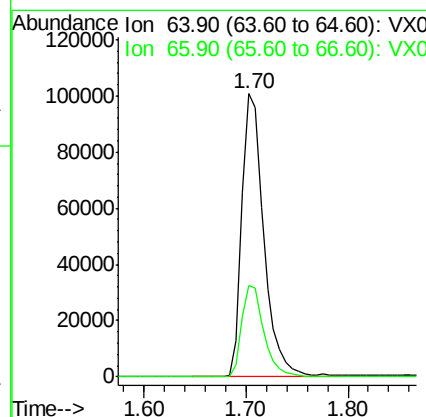
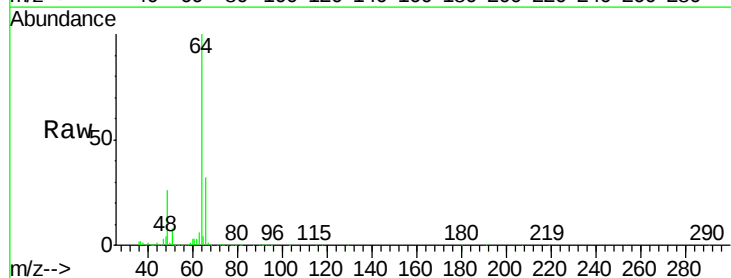
Acq: 29 Apr 2019 13:20

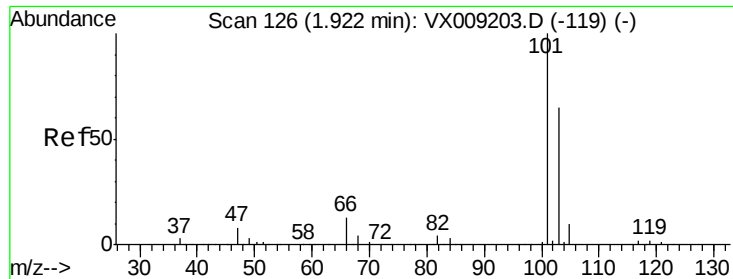
Tgt Ion: 64 Resp: 150495

Ion Ratio Lower Upper

64 100

66 32.0 25.3 37.9





#7

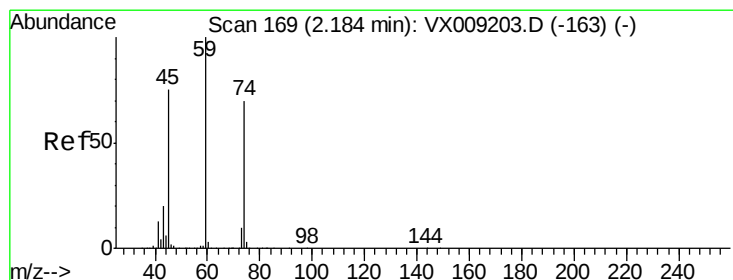
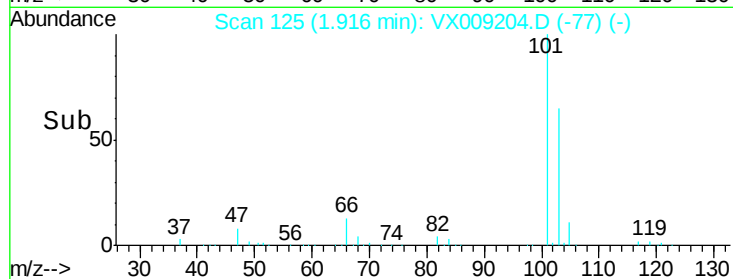
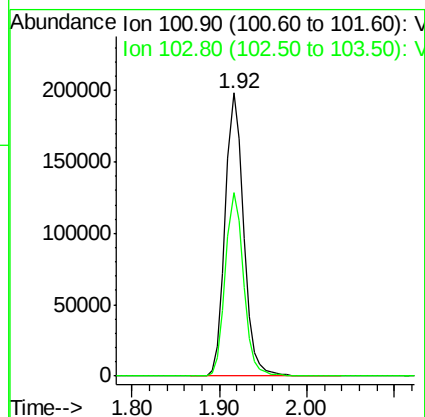
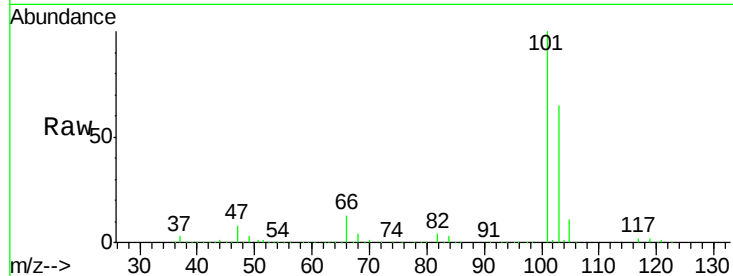
Trichlorofluoromethane
 Concen: 95.454 ug/l
 RT: 1.92 min Scan# 125
 Delta R.T. -0.01 min
 Lab File: VX009204.D
 Acq: 29 Apr 2019 13:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion:101 Resp: 289105
 Ion Ratio Lower Upper
 101 100
 103 64.7 52.4 78.6

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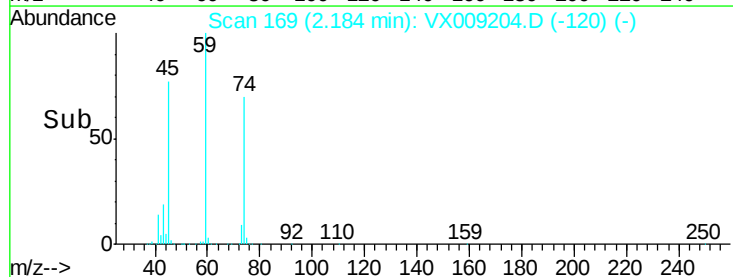
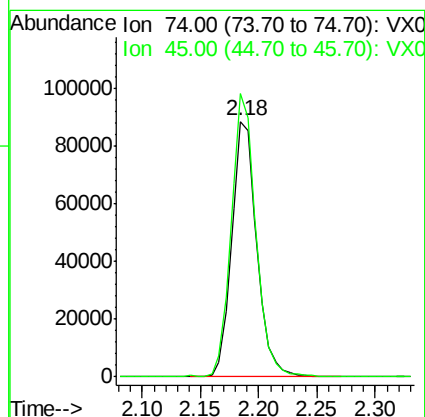
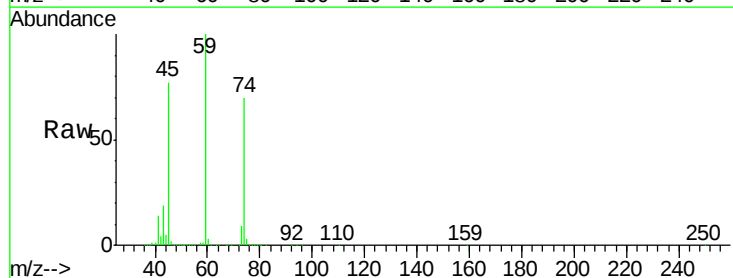
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 4/30/2019 11:03:35 AM

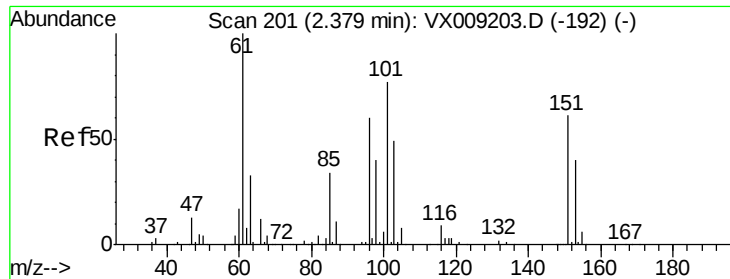


#8

Diethyl Ether
 Concen: 94.843 ug/l
 RT: 2.18 min Scan# 169
 Delta R.T. 0.00 min
 Lab File: VX009204.D
 Acq: 29 Apr 2019 13:20

Tgt Ion: 74 Resp: 132176
 Ion Ratio Lower Upper
 74 100
 45 109.1 53.3 159.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 93.497 ug/l

RT: 2.37 min Scan# 200

Delta R.T. -0.01 min

Lab File: VX009204.D

Acq: 29 Apr 2019 13:20

Instrument :

MSVOA_X

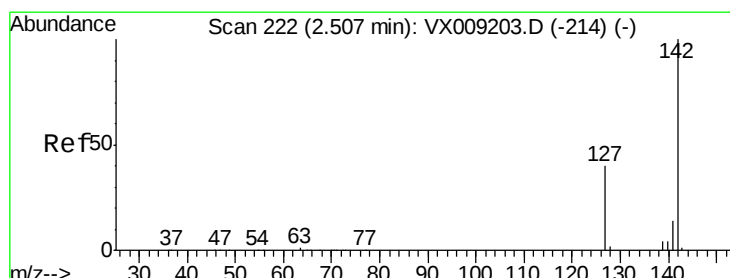
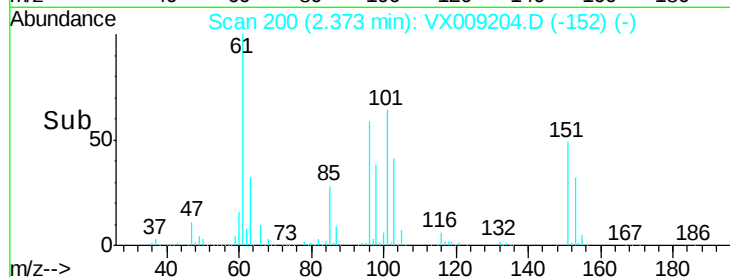
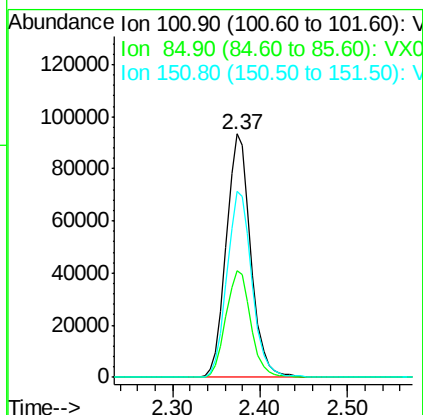
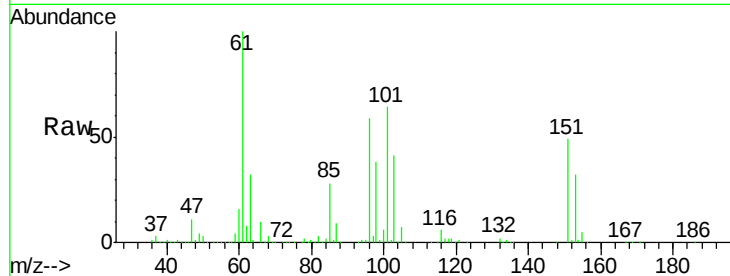
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	181420
Ion Ratio	Lower	Upper	
101	100		
85	44.5	35.7	53.5
151	78.0	62.2	93.2

Manual Integrations
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4/30/2019 11:03:35 AM



#10

Methyl Iodide

Concen: 115.567 ug/l

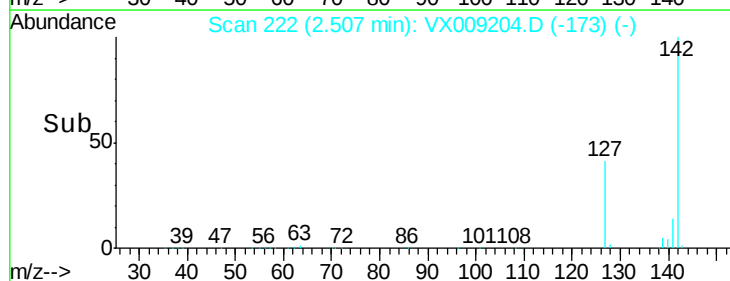
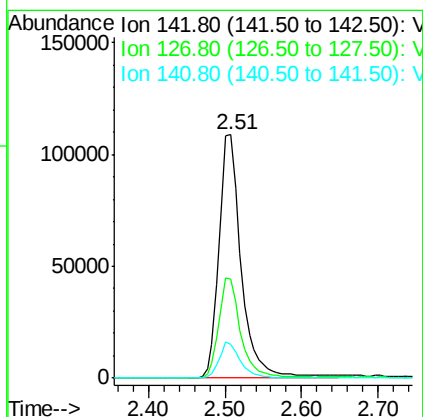
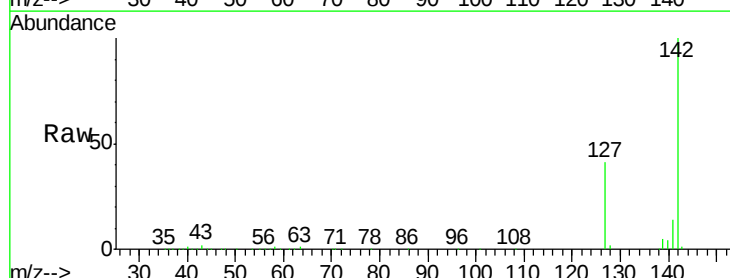
RT: 2.51 min Scan# 222

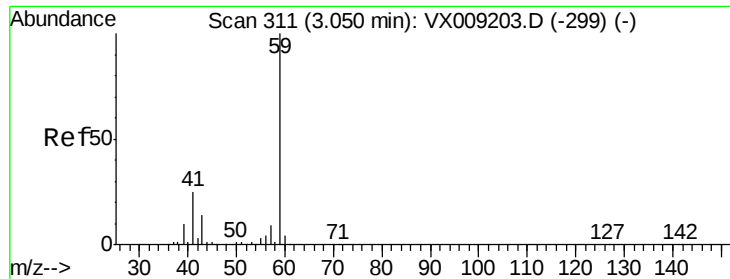
Delta R.T. 0.00 min

Lab File: VX009204.D

Acq: 29 Apr 2019 13:20

Tgt Ion:	142	Resp:	221936
Ion Ratio	Lower	Upper	
142	100		
127	40.5	32.7	49.1
141	14.4	11.5	17.3





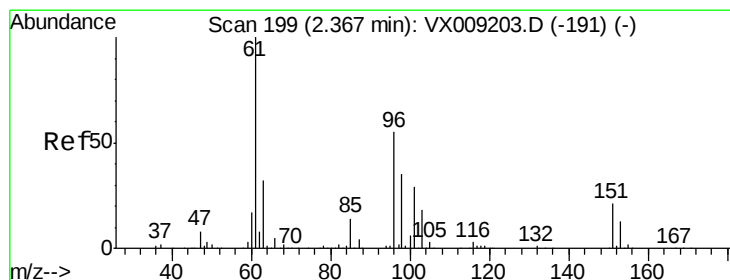
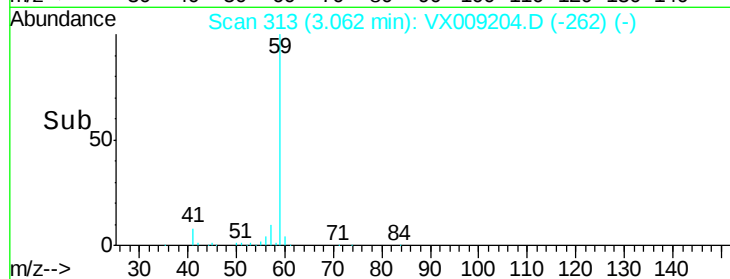
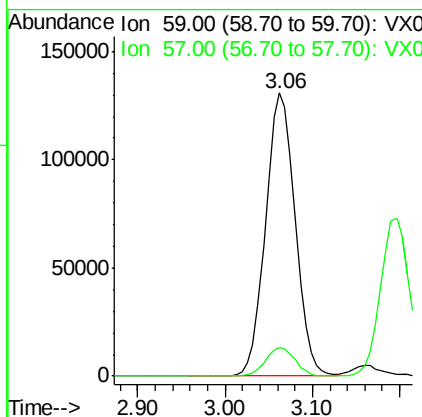
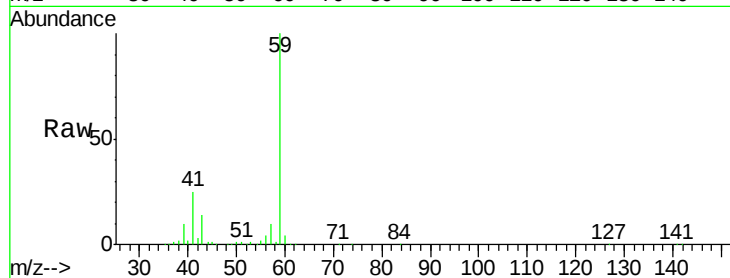
#11
Tert butyl alcohol
Concen: 513.706 ug/l
RT: 3.06 min Scan# 313
Delta R.T. 0.01 min
Lab File: VX009204.D
Acq: 29 Apr 2019 13:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 59 Resp: 307475
Ion Ratio Lower Upper
59 100
57 10.1 8.2 12.2

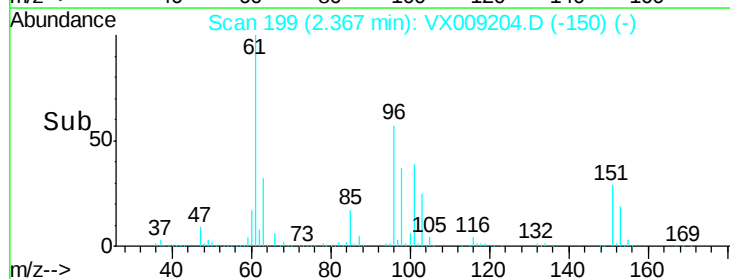
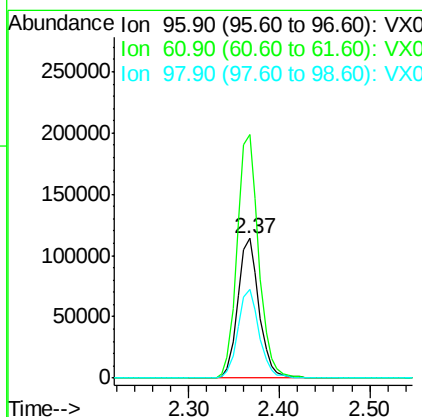
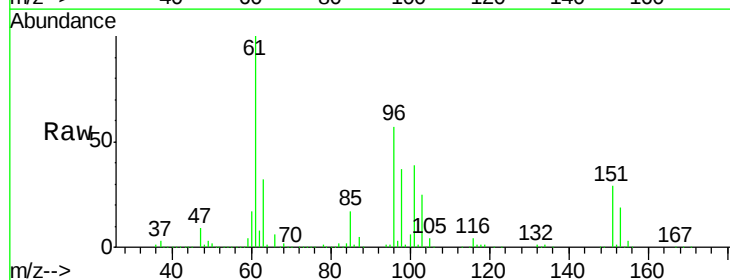
Manual Integrations
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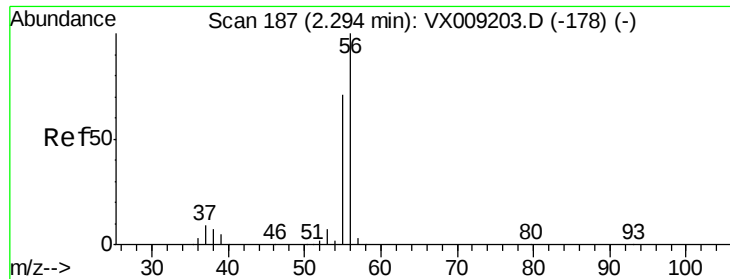
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#12
1,1-Dichloroethene
Concen: 92.011 ug/l
RT: 2.37 min Scan# 199
Delta R.T. 0.00 min
Lab File: VX009204.D
Acq: 29 Apr 2019 13:20

Tgt Ion: 96 Resp: 185673
Ion Ratio Lower Upper
96 100
61 174.1 144.3 216.5
98 63.8 50.3 75.5





#13

Acrolein

Concen: 521.693 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX009204.D

Acq: 29 Apr 2019 13:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 268979

Ion Ratio Lower Upper

56 100

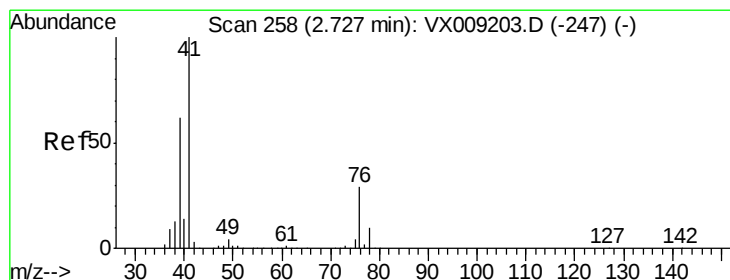
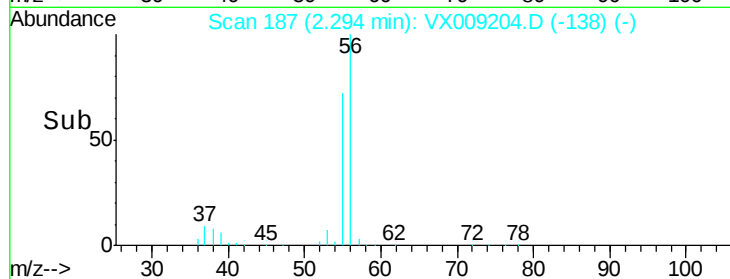
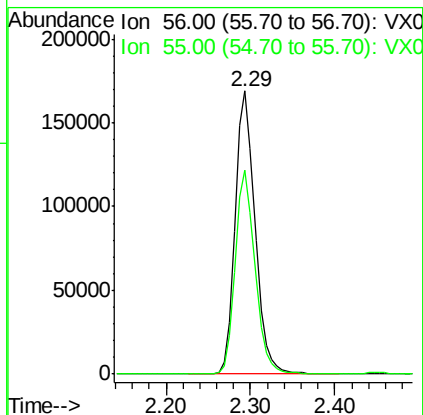
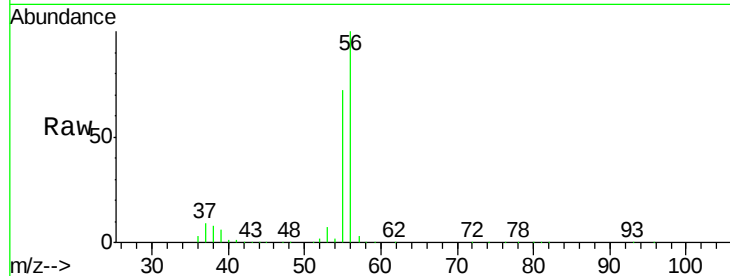
55 71.4 56.6 85.0

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#14

Allyl chloride

Concen: 99.997 ug/l

RT: 2.72 min Scan# 257

Delta R.T. -0.01 min

Lab File: VX009204.D

Acq: 29 Apr 2019 13:20

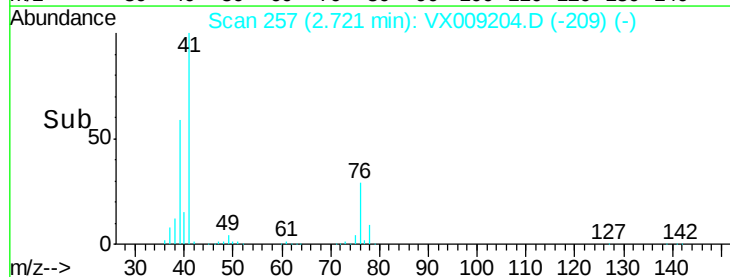
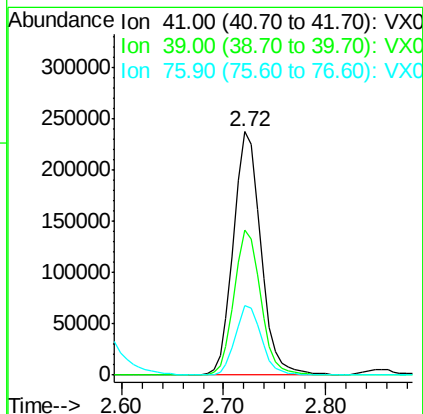
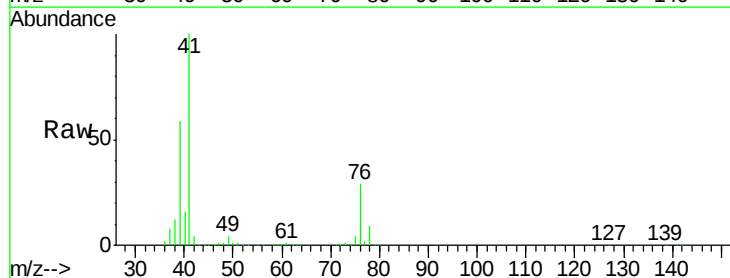
Tgt Ion: 41 Resp: 442270

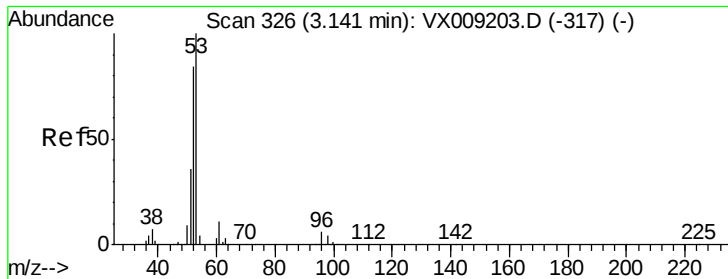
Ion Ratio Lower Upper

41 100

39 57.6 46.7 70.1

76 27.1 21.8 32.8





#15

Acrylonitrile

Concen: 492.109 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX009204.D

Acq: 29 Apr 2019 13:20

Instrument :

MSVOA_X

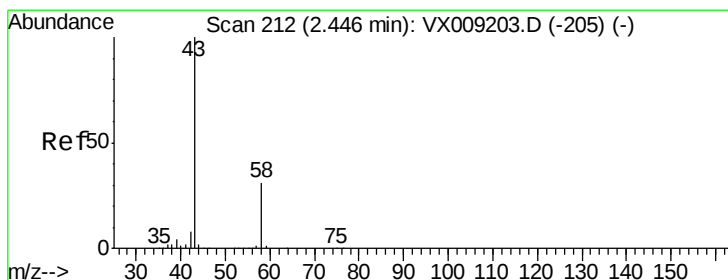
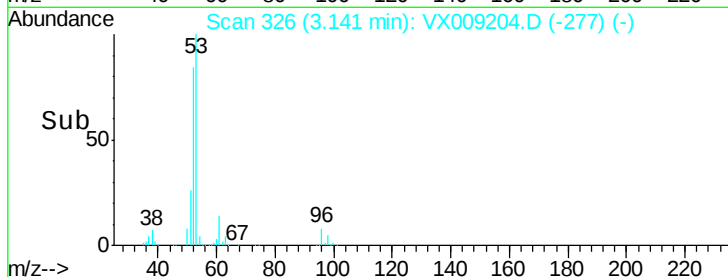
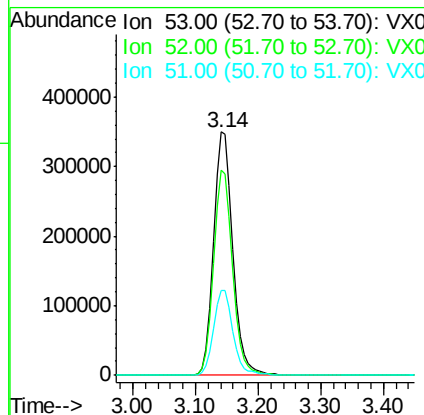
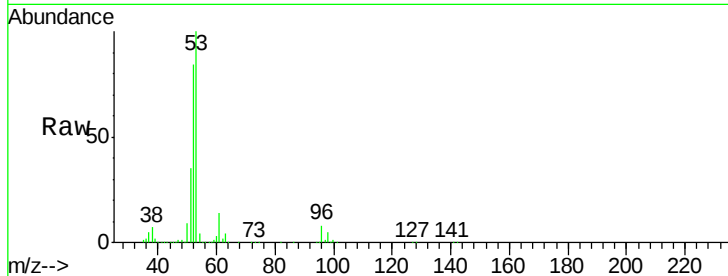
ClientSampleId :

VSTDIC100

Tot Ion:	53	Resp:	739602
Ion Ratio	Lower	Upper	
53	100		
52	83.5	66.9	100.3
51	35.3	28.2	42.2

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#16

Acetone

Concen: 496.366 ug/l

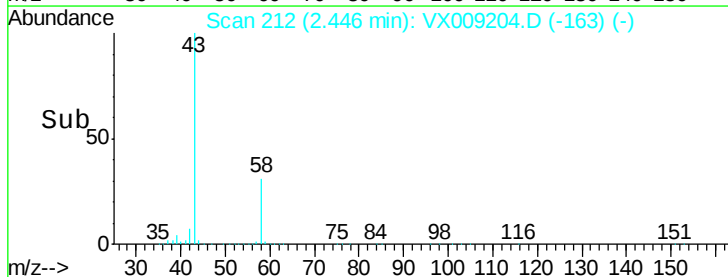
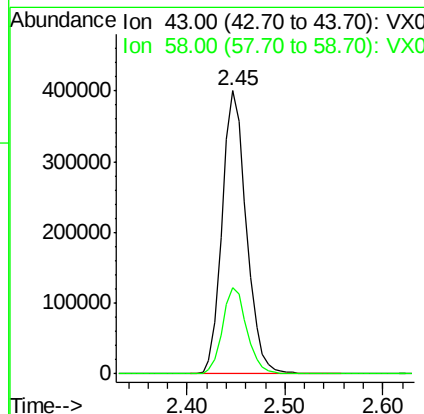
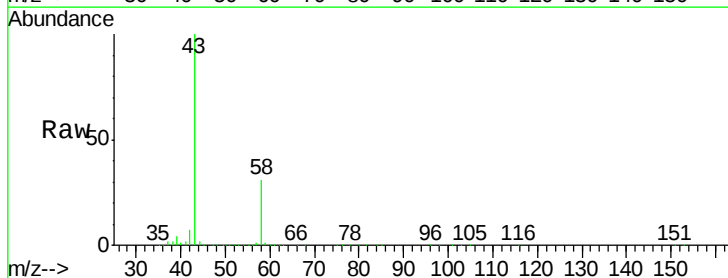
RT: 2.45 min Scan# 212

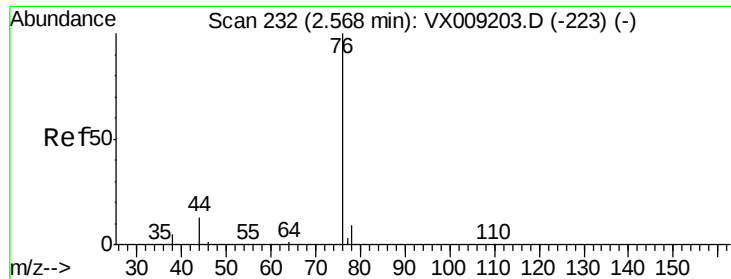
Delta R.T. 0.00 min

Lab File: VX009204.D

Acq: 29 Apr 2019 13:20

Tgt Ion:	43	Resp:	687918
Ion Ratio	Lower	Upper	
43	100		
58	30.6	24.9	37.3





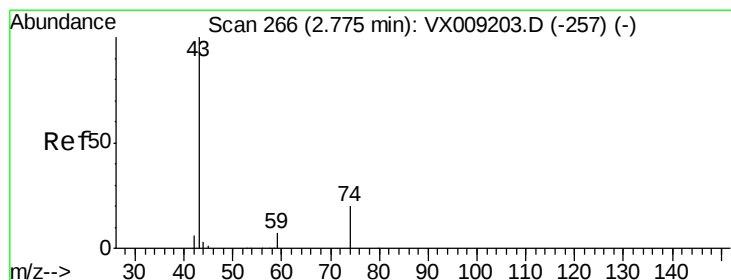
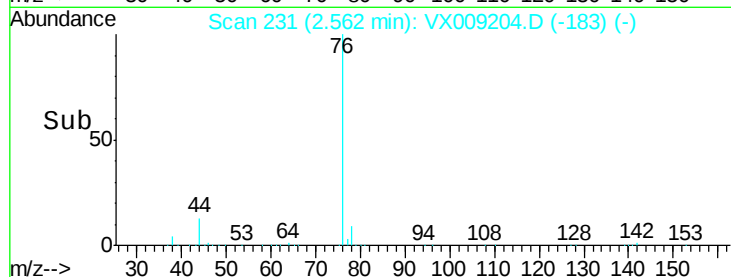
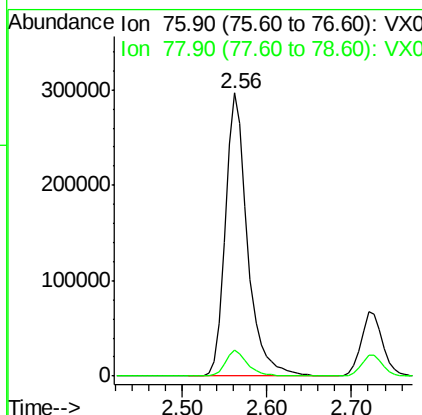
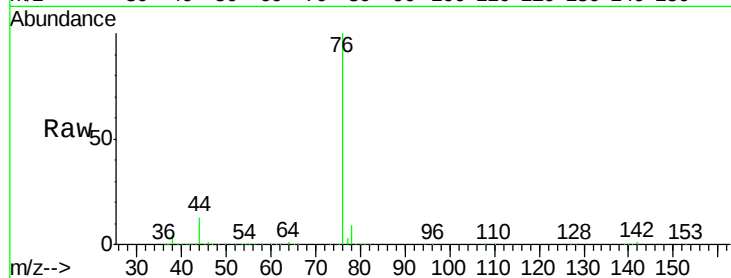
#17
Carbon Disulfide
Concen: 85.937 ug/l
RT: 2.56 min Scan# 231
Delta R.T. -0.01 min
Lab File: VX009204.D
Acq: 29 Apr 2019 13:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.4	11.0

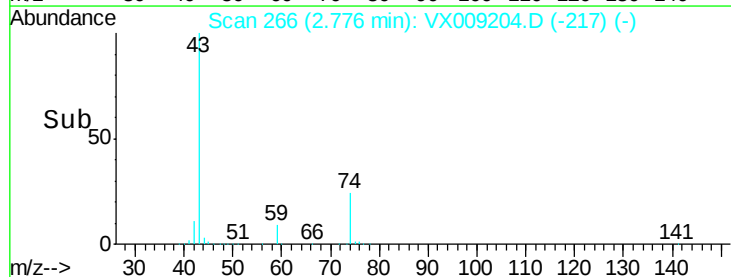
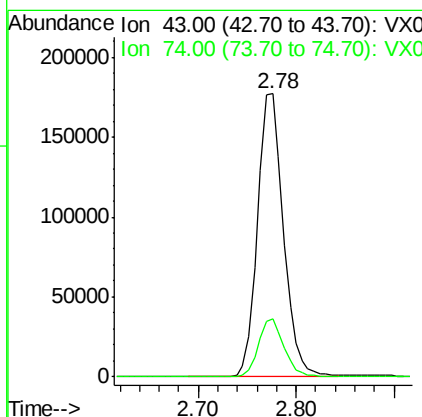
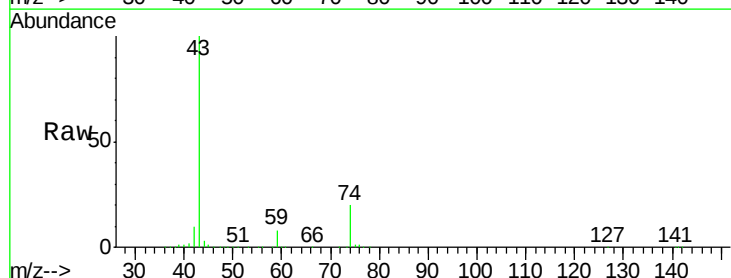
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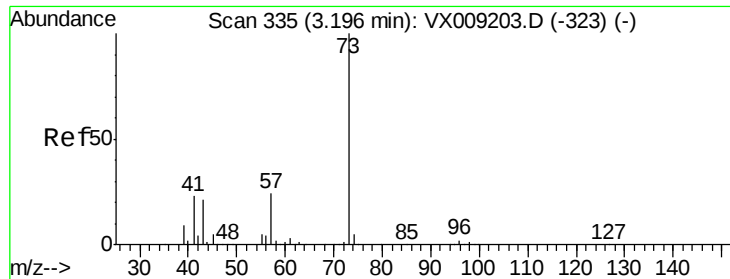
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#18
Methyl Acetate
Concen: 94.089 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX009204.D
Acq: 29 Apr 2019 13:20

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.0	16.2	24.4





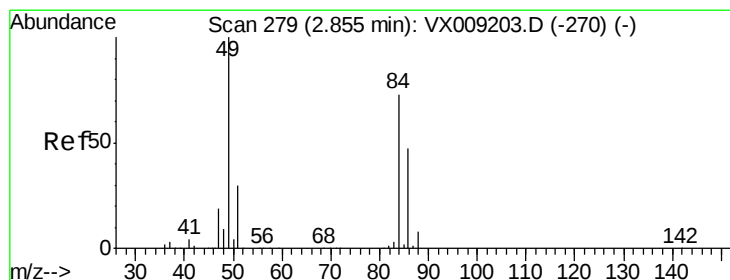
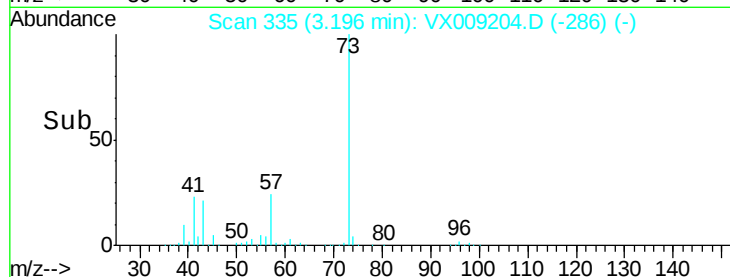
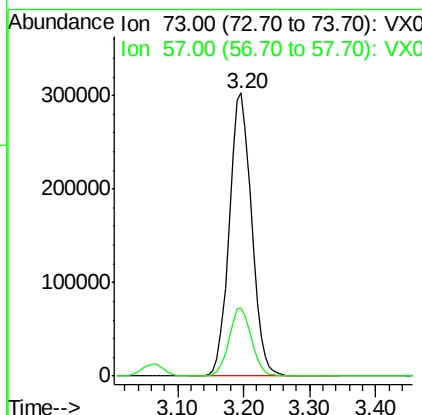
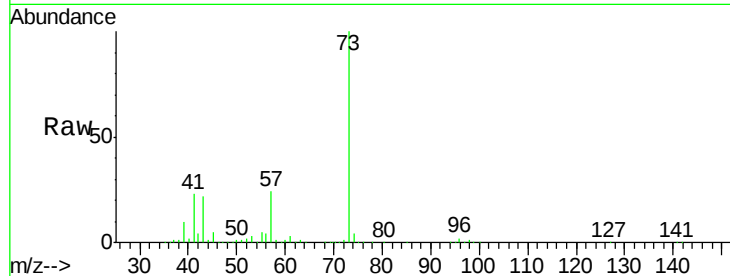
#19
Methvl tert-butvl Ether
Concen: 97.641 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX009204.D
Acq: 29 Apr 2019 13:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.2	19.3	28.9

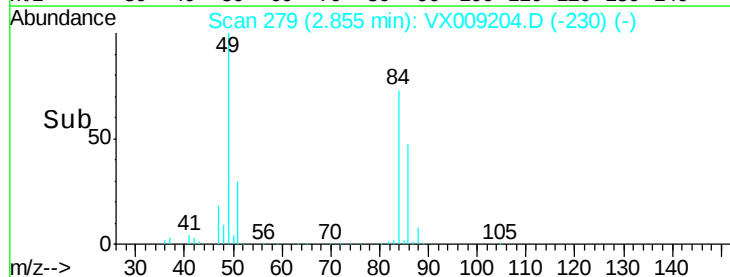
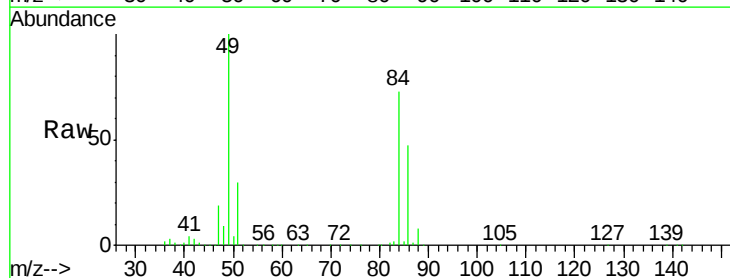
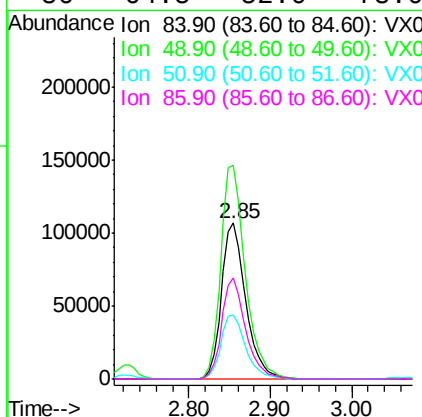
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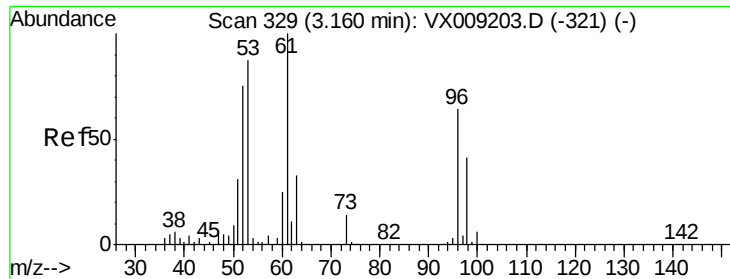
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#20
Methylene Chloride
Concen: 92.630 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX009204.D
Acq: 29 Apr 2019 13:20

Tgt Ion	Ratio	Lower	Upper
84	100		
49	136.8	109.9	164.9
51	41.4	32.7	49.1
86	64.5	52.0	78.0





#21

trans-1,2-Dichloroethene

Concen: 91.748 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX009204.D

Acq: 29 Apr 2019 13:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 96 Resp: 197661

Ion Ratio Lower Upper

96 100

61 155.5 124.5 186.7

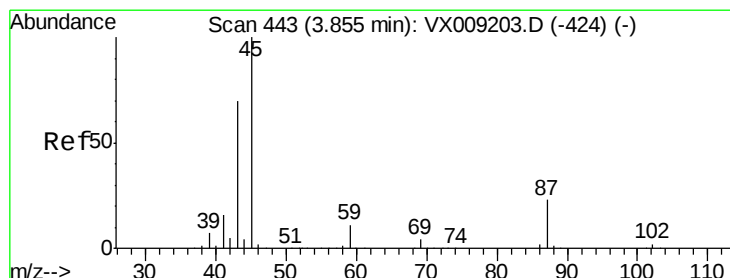
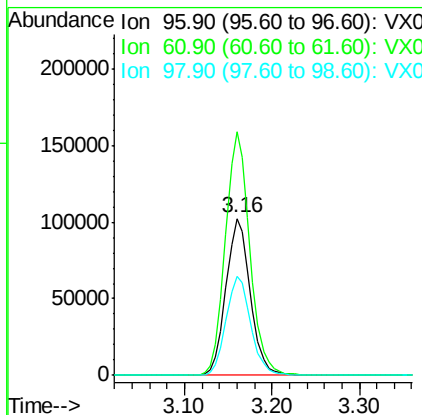
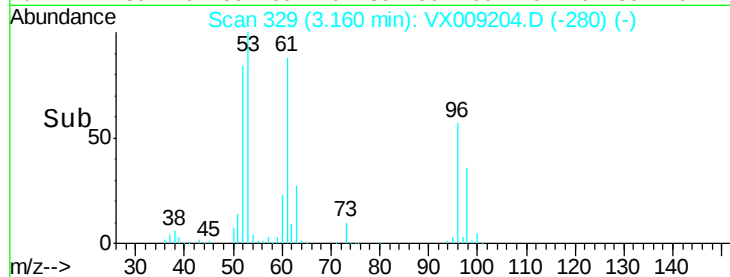
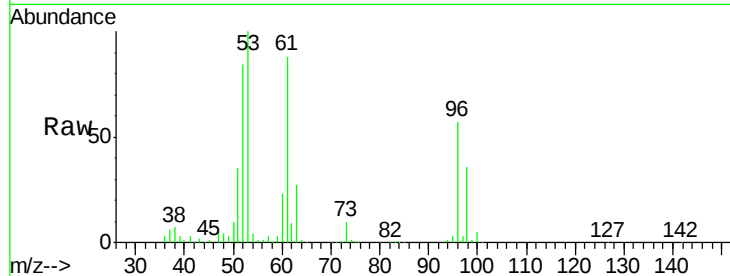
98 63.1 50.4 75.6

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#22

Diisopropyl ether

Concen: 97.629 ug/l

RT: 3.85 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX009204.D

Acq: 29 Apr 2019 13:20

Tgt Ion: 45 Resp: 842564

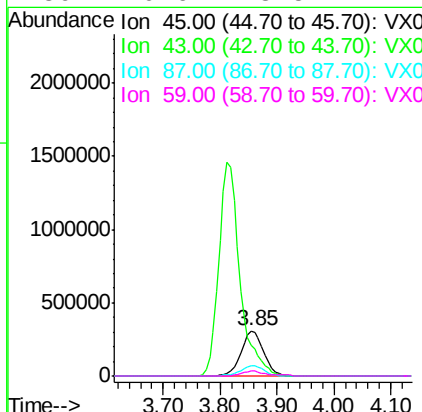
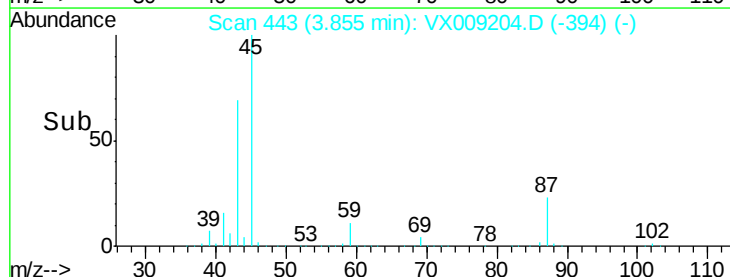
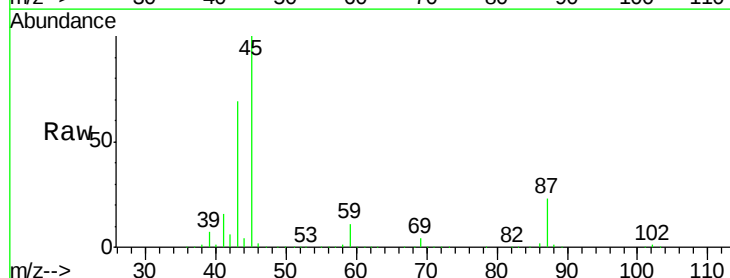
Ion Ratio Lower Upper

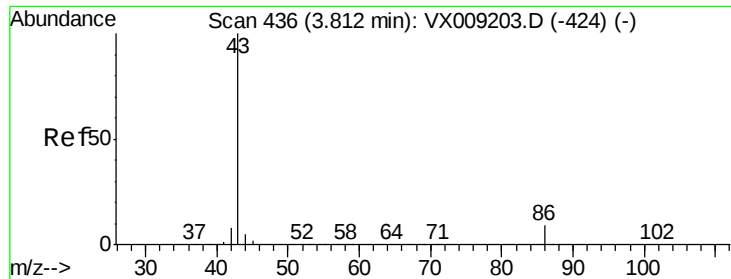
45 100

43 69.4 56.1 84.1

87 23.1 18.1 27.1

59 10.6 8.5 12.7





#23

Vinyl Acetate

Concen: 499.700 ug/l

RT: 3.81 min Scan# 436

Delta R.T. 0.00 min

Lab File: VX009204.D

Acq: 29 Apr 2019 13:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 3770147

Ion Ratio Lower Upper

43 100

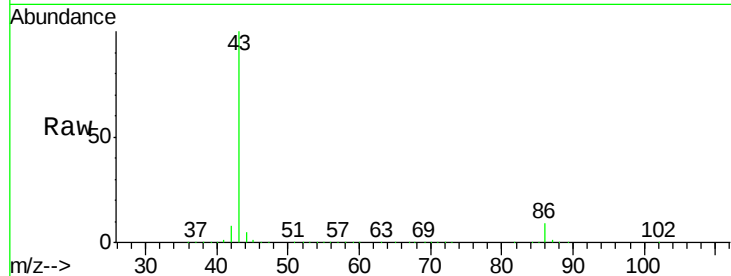
86 8.6 6.9 10.3

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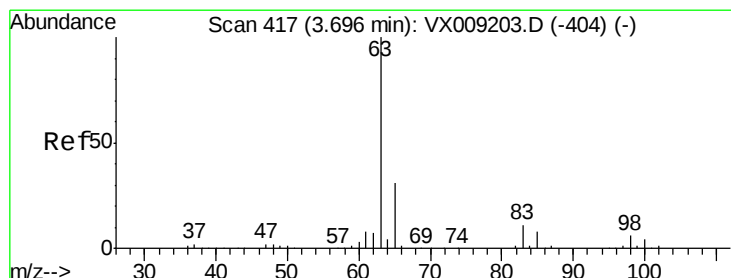
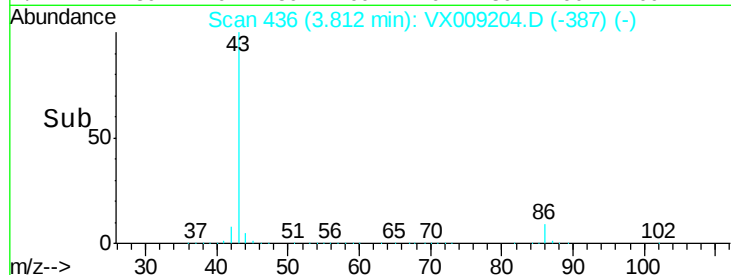
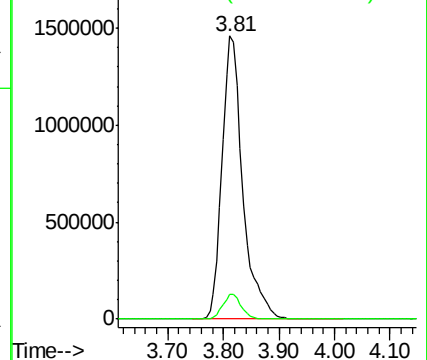
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 95.647 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX009204.D

Acq: 29 Apr 2019 13:20

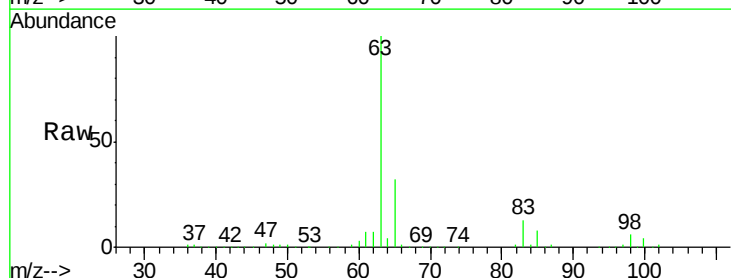
Tgt Ion: 63 Resp: 413472

Ion Ratio Lower Upper

63 100

98 6.1 3.0 9.2

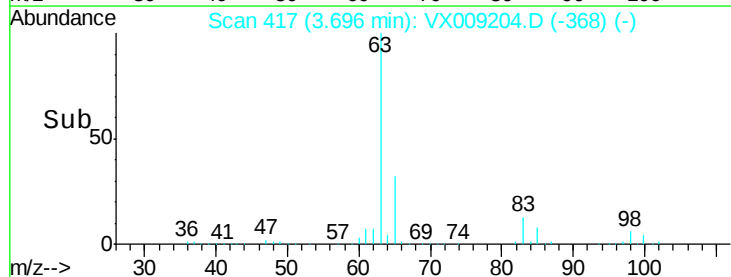
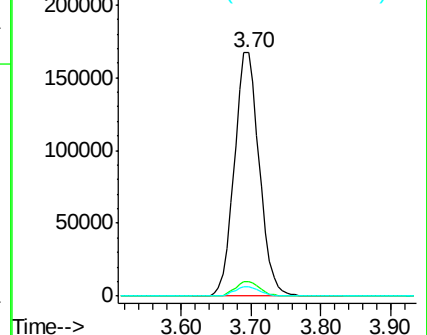
100 4.0 2.0 6.0

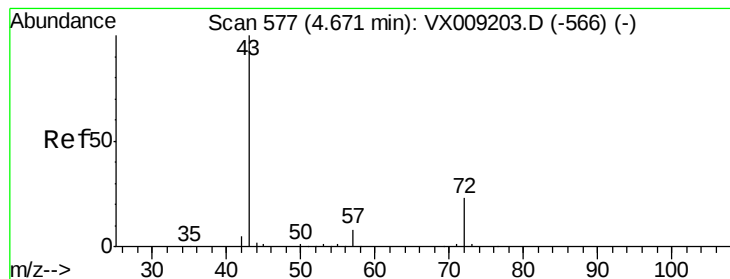


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 509.445 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.01 min

Lab File: VX009204.D

Acq: 29 Apr 2019 13:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 1126870

Ion Ratio Lower Upper

43 100

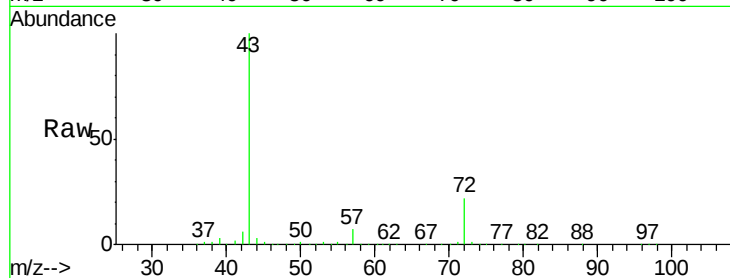
72 22.4 18.2 27.2

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.68

400000

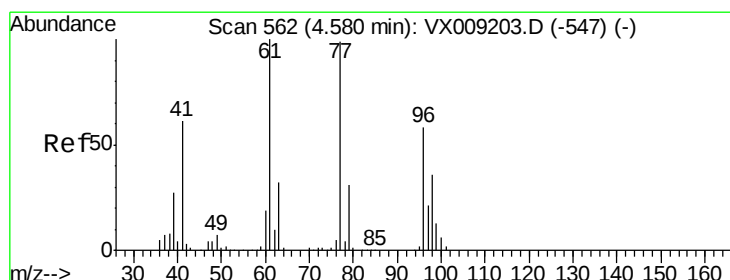
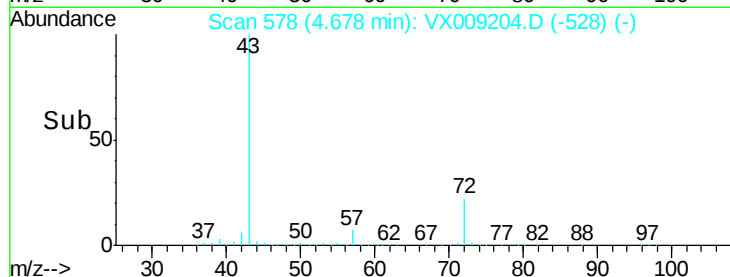
300000

200000

100000

0

Time-->



#26

2,2-Dichloropropane

Concen: 97.182 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX009204.D

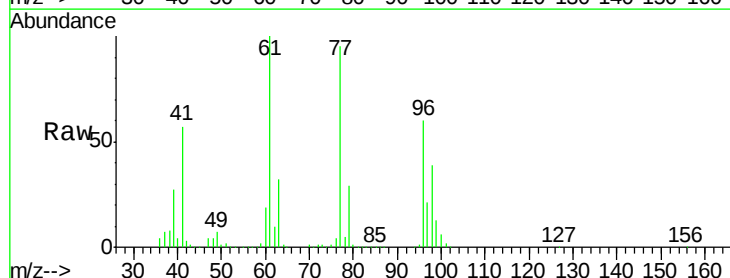
Acq: 29 Apr 2019 13:20

Tgt Ion: 77 Resp: 315073

Ion Ratio Lower Upper

77 100

97 22.8 11.5 34.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

4.58

120000

100000

80000

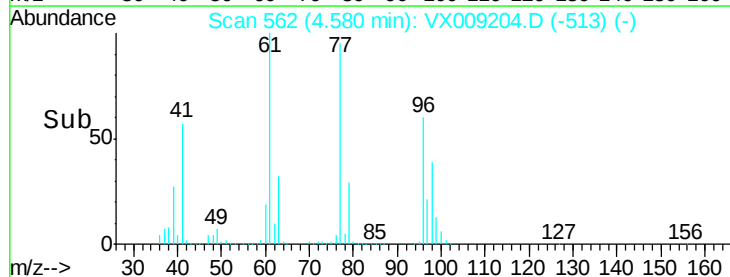
60000

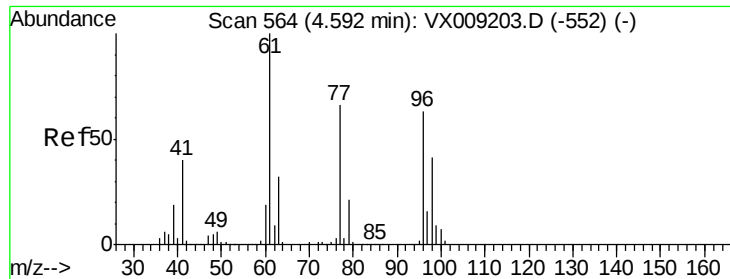
40000

20000

0

Time-->





#27

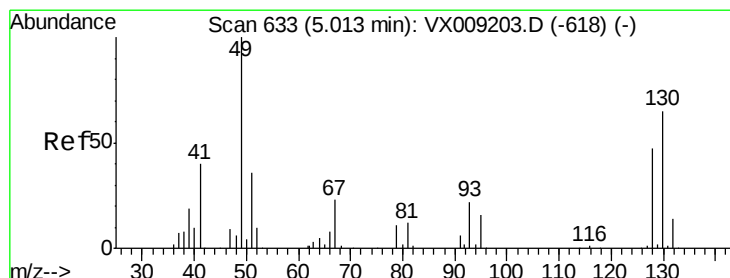
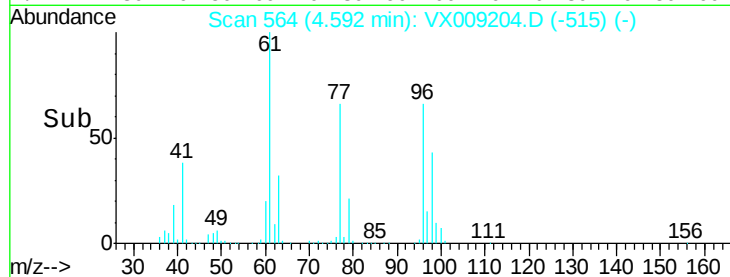
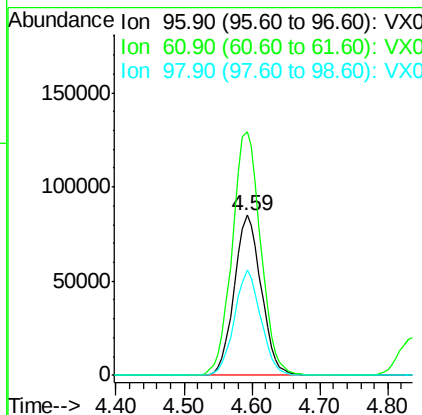
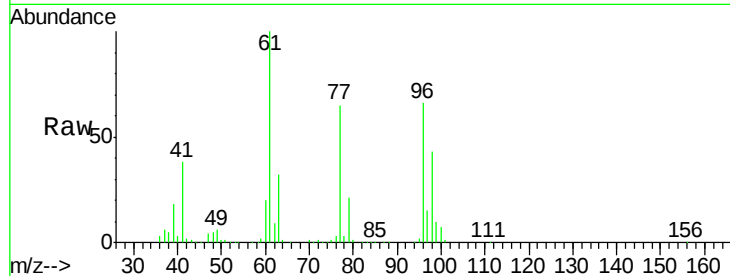
cis-1,2-Dichloroethene
Concen: 95.348 ug/l
RT: 4.59 min Scan# 564
Delta R.T. 0.00 min
Lab File: VX009204.D
Acq: 29 Apr 2019 13:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
96	100		
61	160.5	0.0	324.0
98	64.6	0.0	130.4

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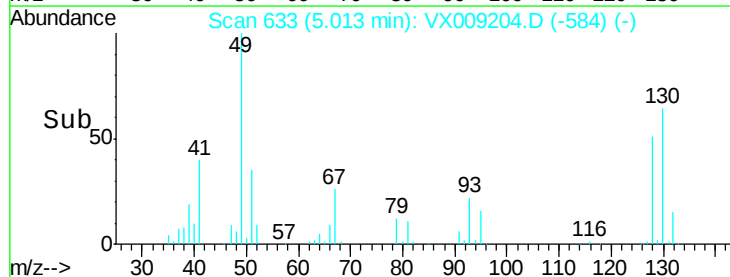
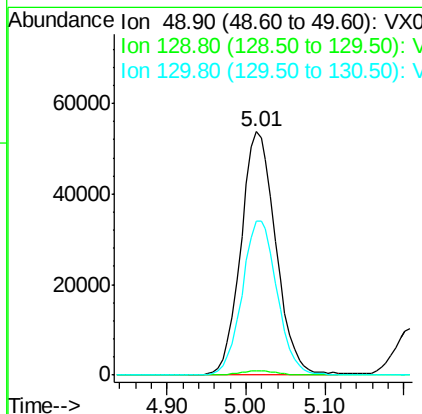
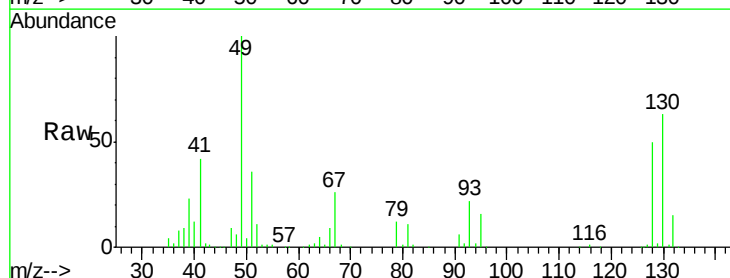
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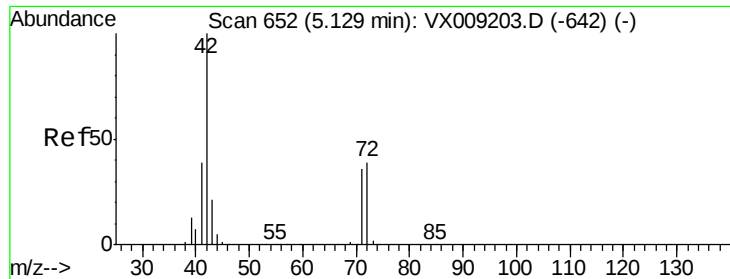


#28

Bromochloromethane
Concen: 81.400 ug/l
RT: 5.01 min Scan# 633
Delta R.T. 0.00 min
Lab File: VX009204.D
Acq: 29 Apr 2019 13:20

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.8
130	63.5	51.2	76.8





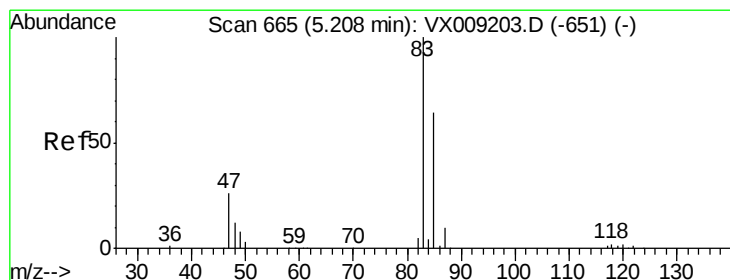
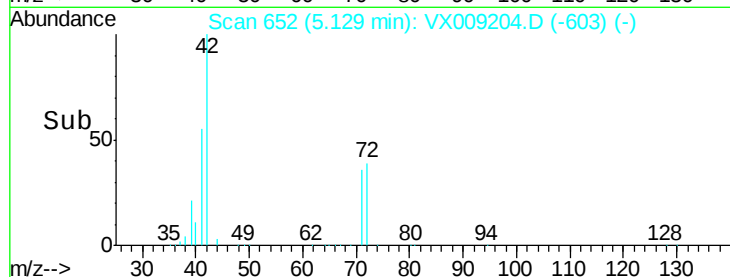
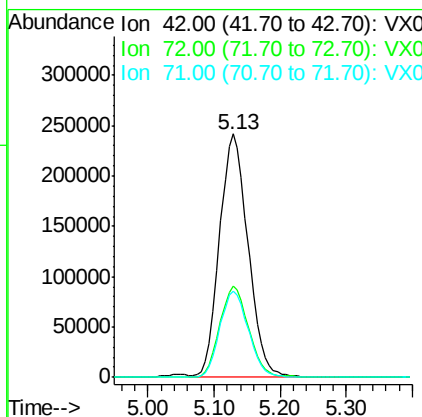
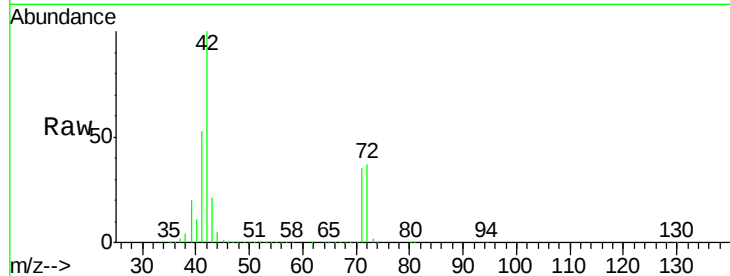
#29
Tetrahydrofuran
Concen: 487.957 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.00 min
Lab File: VX009204.D
Acq: 29 Apr 2019 13:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.0	30.4	45.6
71	35.7	28.6	43.0

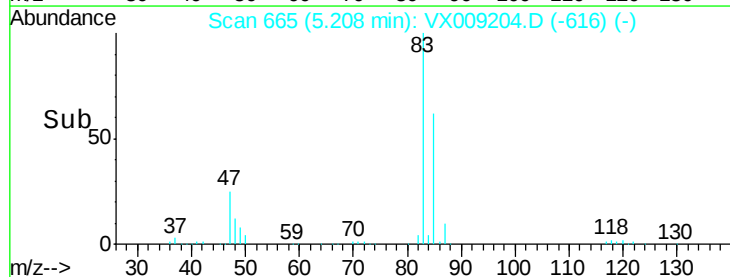
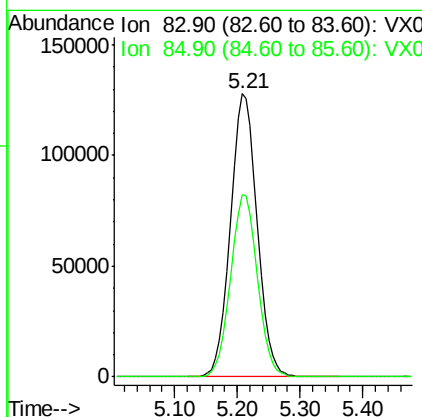
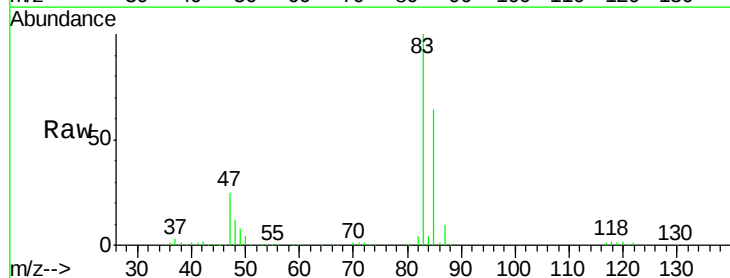
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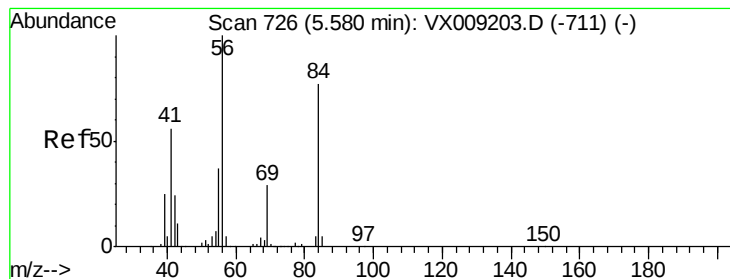
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#30
Chloroform
Concen: 97.277 ug/l
RT: 5.21 min Scan# 665
Delta R.T. 0.00 min
Lab File: VX009204.D
Acq: 29 Apr 2019 13:20

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	51.5	77.3





#31

Cyclohexane

Concen: 93.708 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.01 min

Lab File: VX009204.D

Acq: 29 Apr 2019 13:20

Instrument :

MSVOA_X

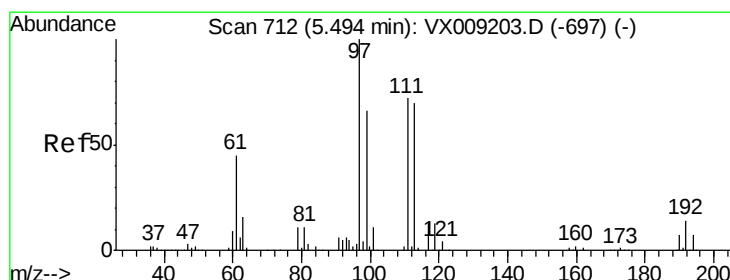
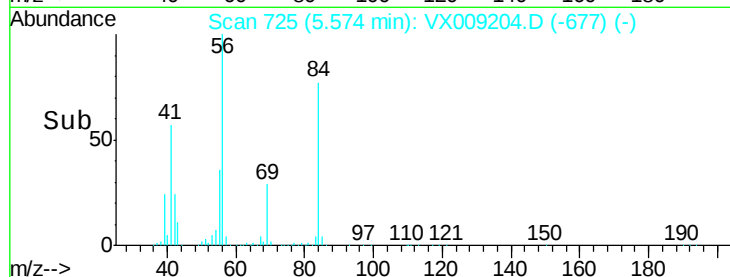
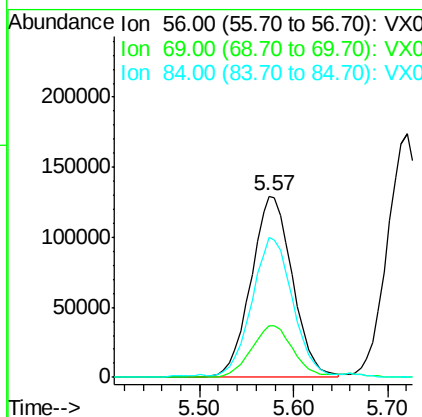
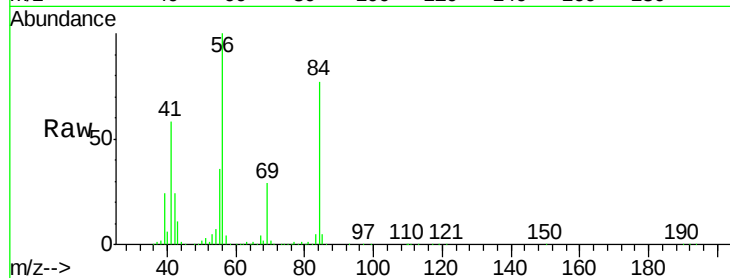
ClientSampleId :

VSTDIC100

Tot Ion:	56	Resp:	396207
Ion Ratio	Lower	Upper	
56	100		
69	28.7	23.4	35.0
84	76.0	61.9	92.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 99.103 ug/l

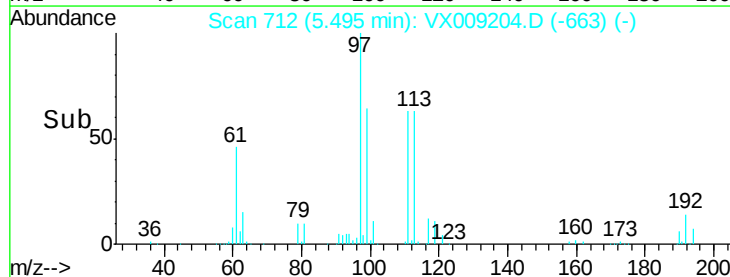
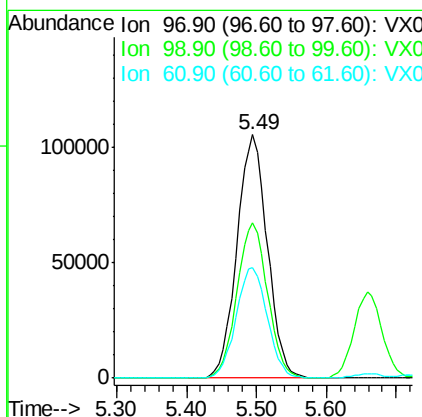
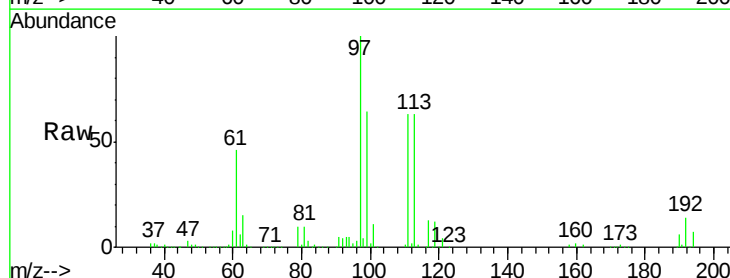
RT: 5.49 min Scan# 712

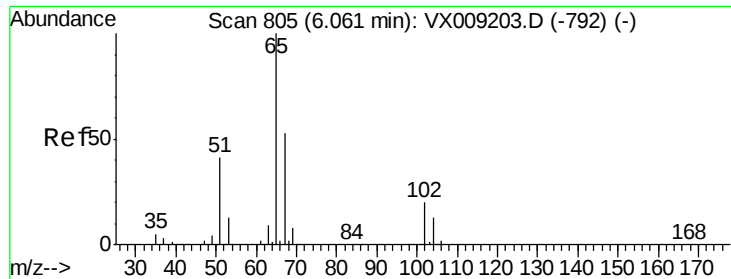
Delta R.T. 0.00 min

Lab File: VX009204.D

Acq: 29 Apr 2019 13:20

Tgt Ion:	97	Resp:	317528
Ion Ratio	Lower	Upper	
97	100		
99	64.3	51.8	77.8
61	47.1	37.8	56.8





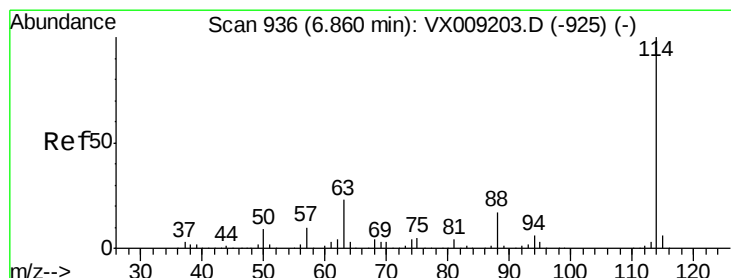
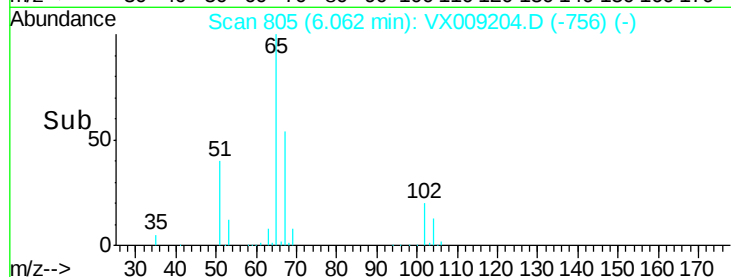
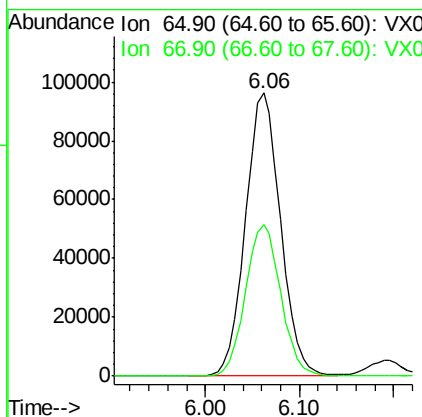
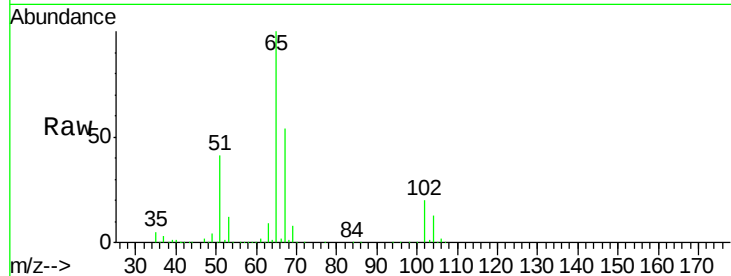
#33
 1,2-Dichloroethane-d4
 Concen: 93.351 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX009204.D
 Acq: 29 Apr 2019 13:20

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.0	0.0	106.6

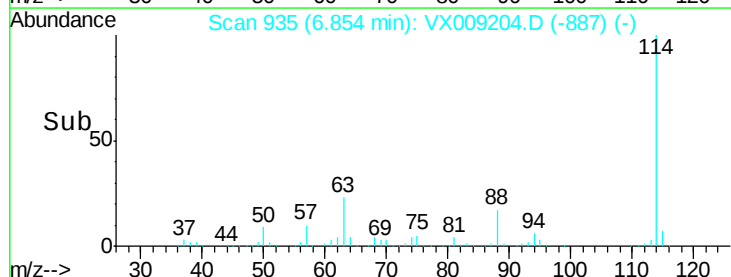
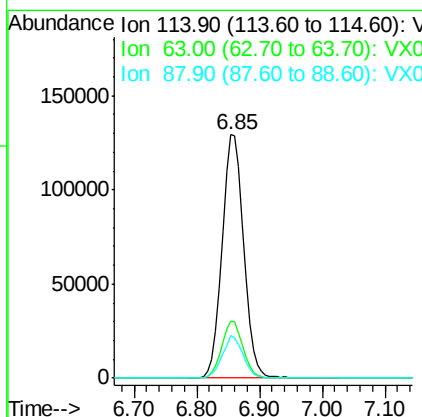
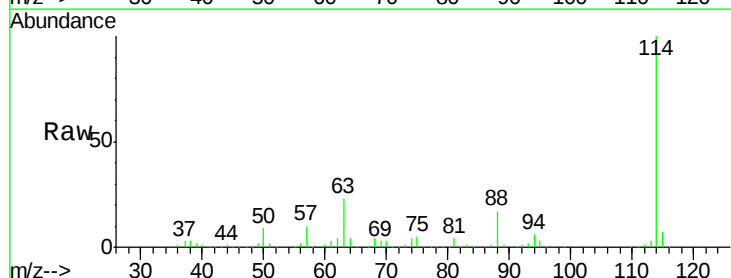
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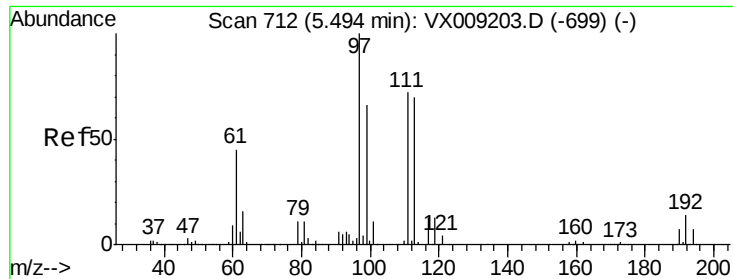
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX009204.D
 Acq: 29 Apr 2019 13:20

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.1	0.0	45.6
88	17.3	0.0	33.2





#35

Dibromofluoromethane

Concen: 94.882 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX009204.D

Acq: 29 Apr 2019 13:20

Instrument :

MSVOA_X

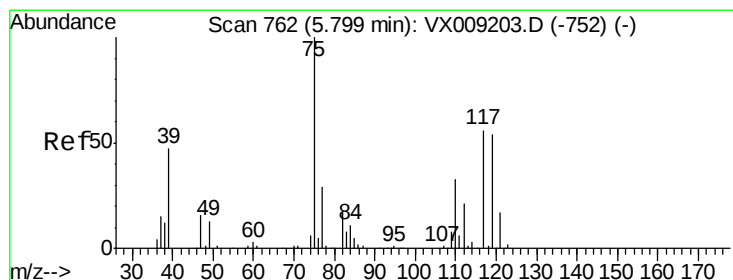
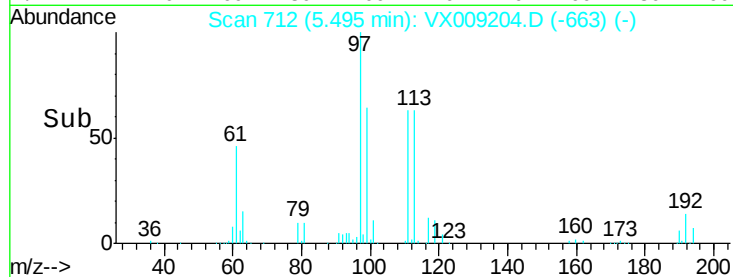
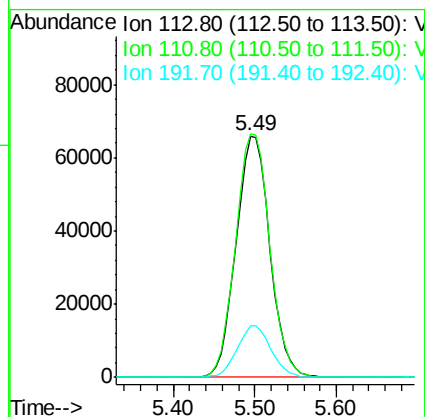
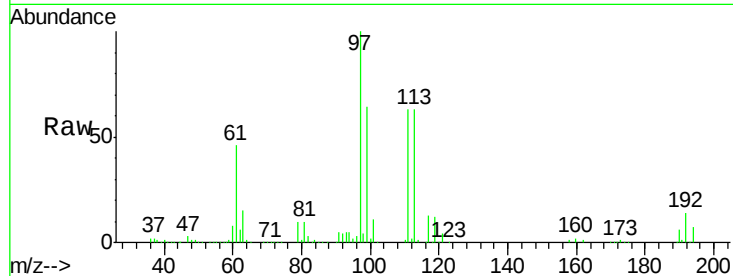
ClientSampleId :

VSTDIC100

Tot Ion:	113	Resp:	189023
Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.8	124.2
192	21.5	17.0	25.6

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#36

1,1-Dichloropropene

Concen: 93.267 ug/l

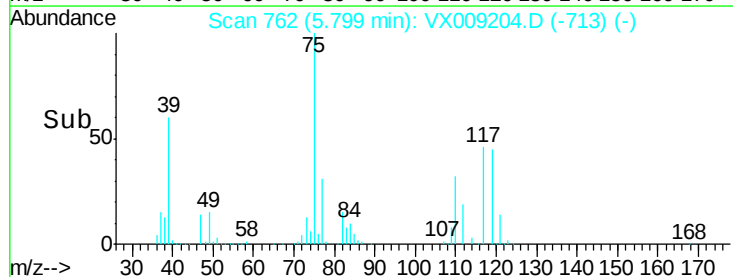
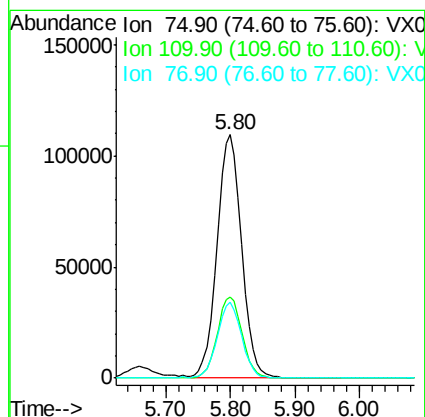
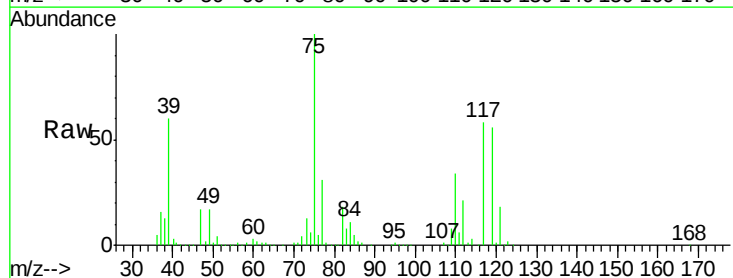
RT: 5.80 min Scan# 762

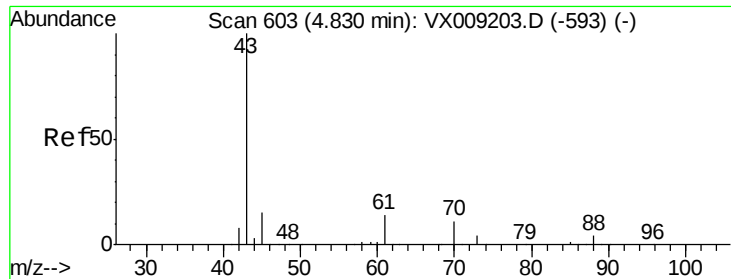
Delta R.T. 0.00 min

Lab File: VX009204.D

Acq: 29 Apr 2019 13:20

Tgt Ion:	75	Resp:	295573
Ion	Ratio	Lower	Upper
75	100		
110	33.7	16.9	50.6
77	30.8	24.8	37.2





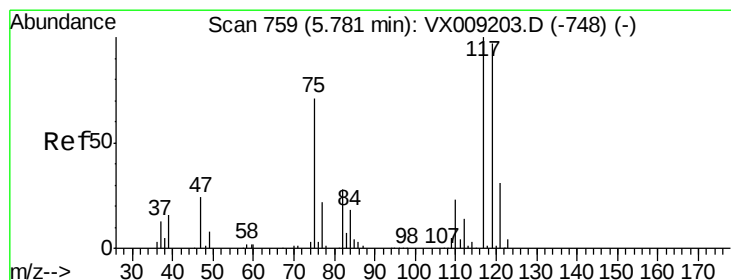
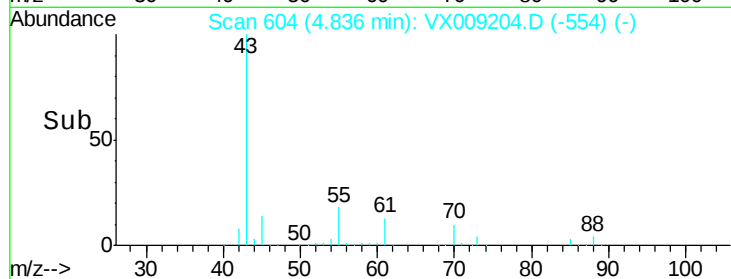
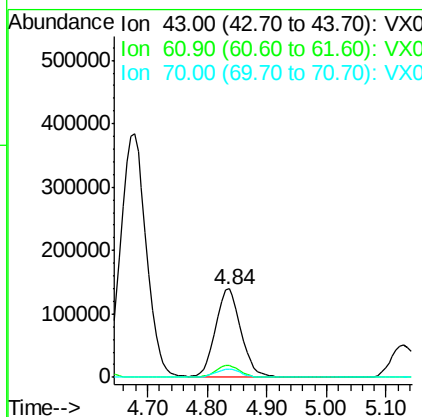
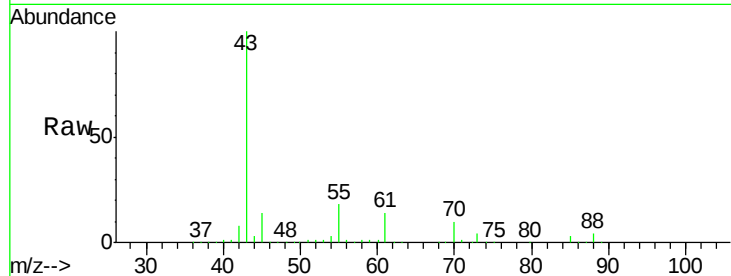
#37
Ethyl Acetate
Concen: 101.208 ug/l
RT: 4.84 min Scan# 604
Delta R.T. 0.01 min
Lab File: VX009204.D
Acq: 29 Apr 2019 13:20

Instrument :
MSVOA_X
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.5	15.7
70	9.5	7.9	11.9

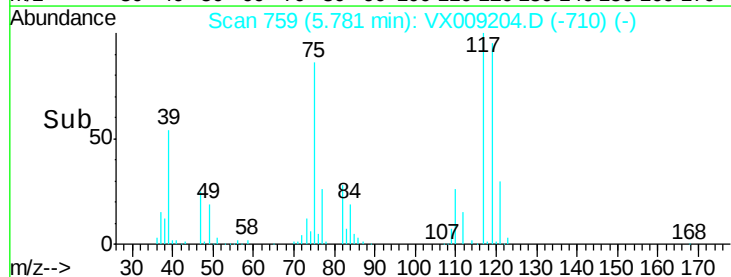
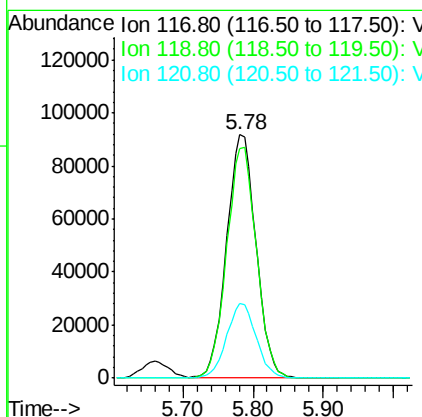
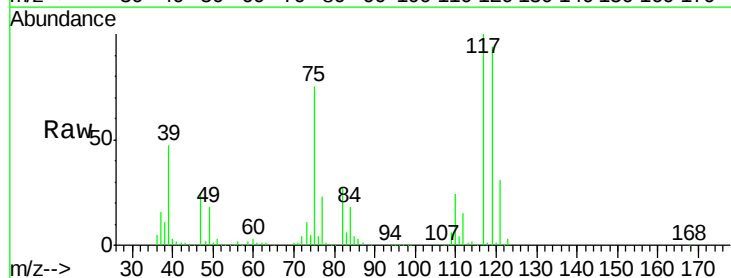
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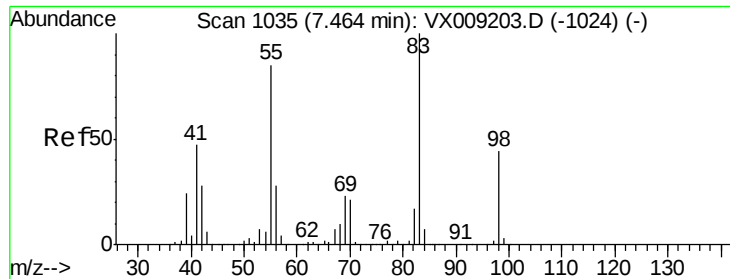
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#38
Carbon Tetrachloride
Concen: 99.312 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX009204.D
Acq: 29 Apr 2019 13:20

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.2	77.5	116.3
121	30.5	24.7	37.1





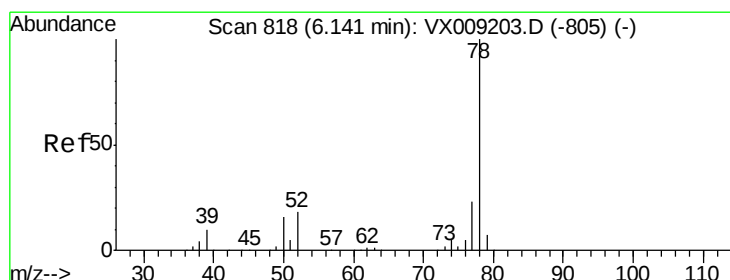
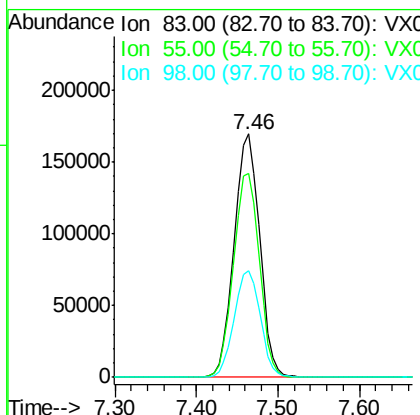
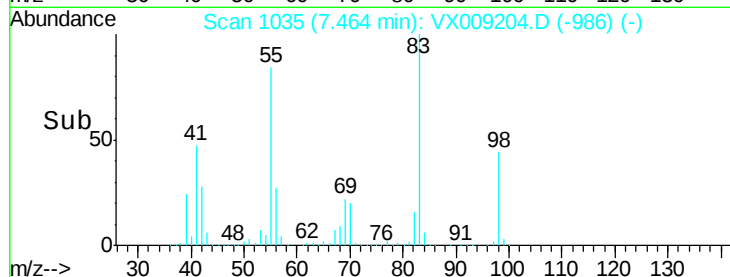
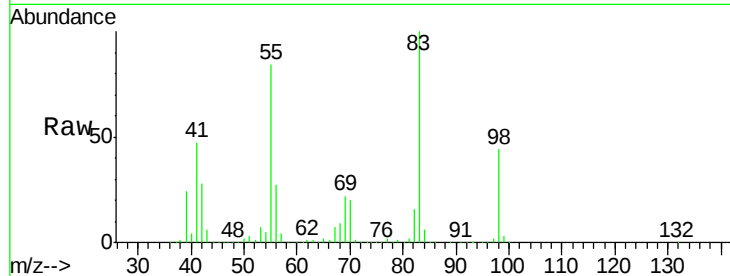
#39
Methvlcvclohexane
Concen: 95.004 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX009204.D
Acq: 29 Apr 2019 13:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	83.7	67.7	101.5	
98	44.0	35.5	53.3	

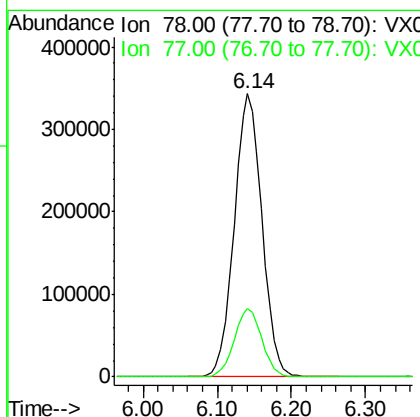
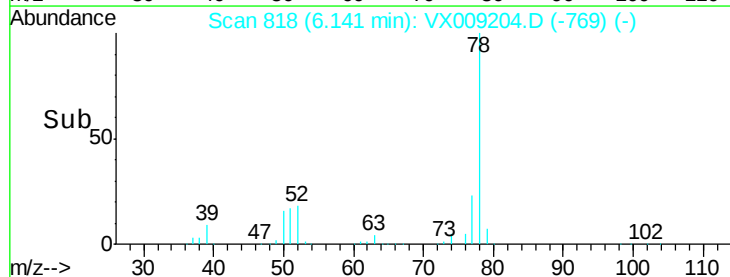
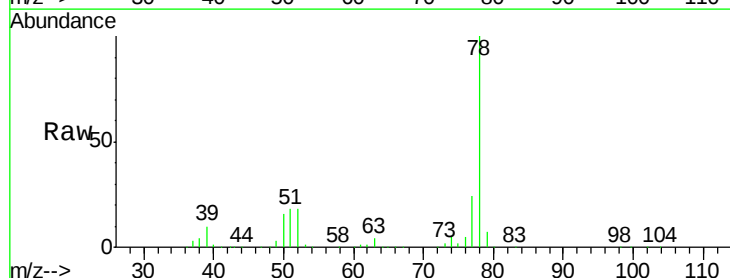
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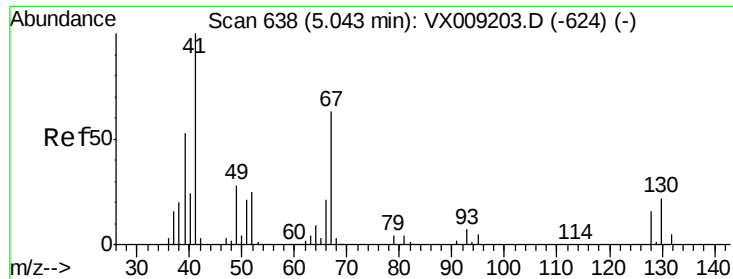
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#40
Benzene
Concen: 95.675 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX009204.D
Acq: 29 Apr 2019 13:20

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	24.1	18.8	28.2	





#41

Methacrylonitrile

Concen: 100.764 ug/l

RT: 5.04 min Scan# 638

Delta R.T. 0.00 min

Lab File: VX009204.D

Acq: 29 Apr 2019 13:20

Instrument :

MSVOA_X

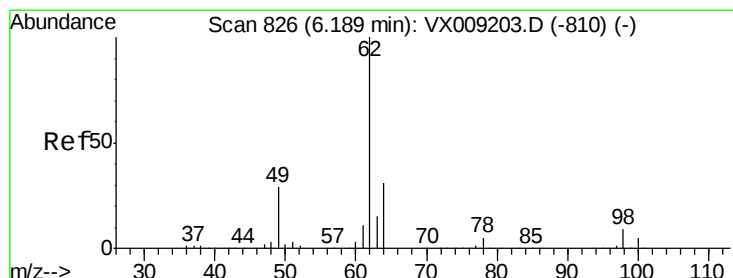
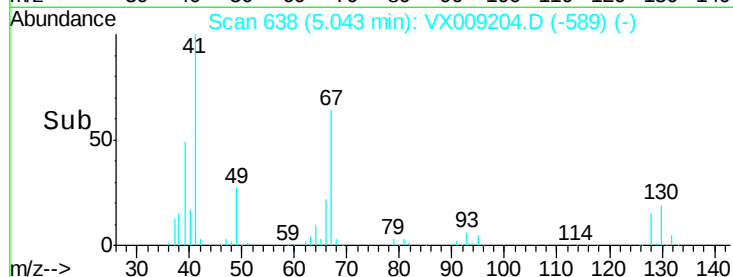
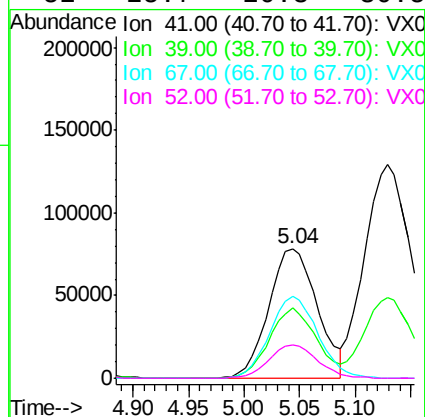
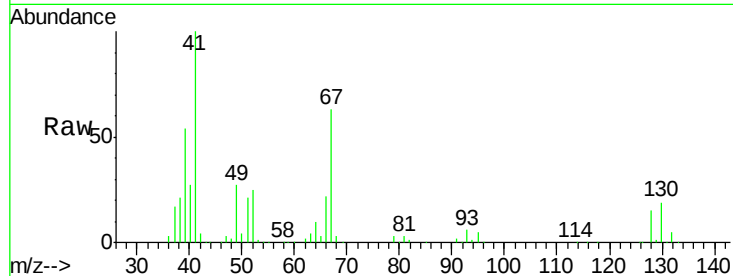
ClientSampleId :

VSTDIC100

Tot Ion	Ion	Ratio	Lower	Upper
237159	41	100		
	39	52.4	42.0	63.0
	67	62.8	49.8	74.8
	52	25.7	20.3	30.5

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 95.868 ug/l

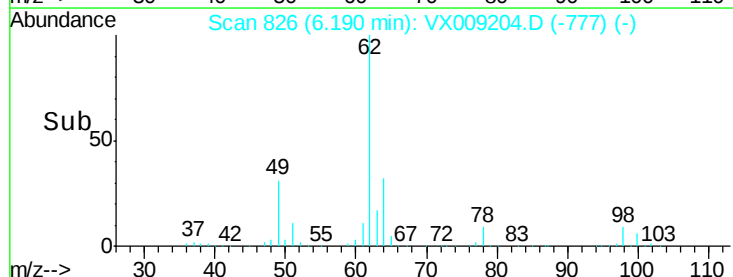
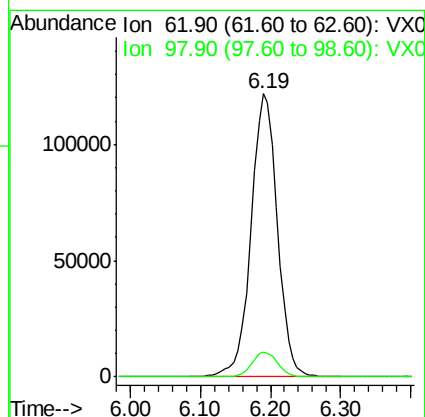
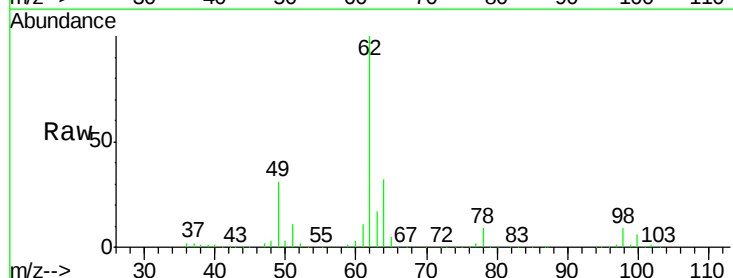
RT: 6.19 min Scan# 826

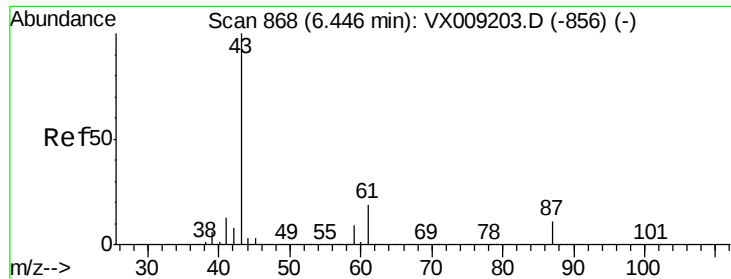
Delta R.T. 0.00 min

Lab File: VX009204.D

Acq: 29 Apr 2019 13:20

Tgt Ion	Ion	Ratio	Lower	Upper
318609	62	100		
	98	8.7	0.0	18.2





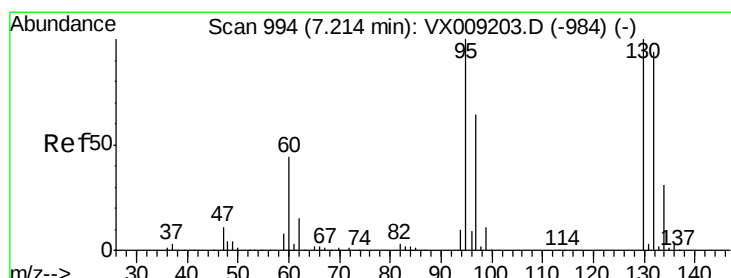
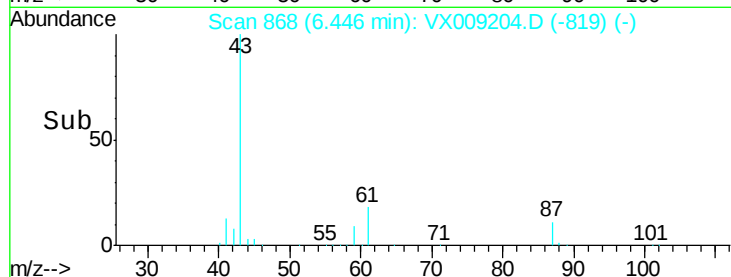
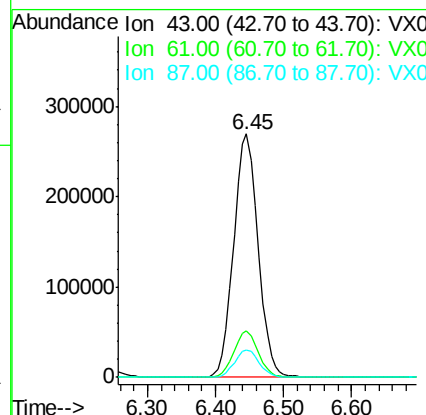
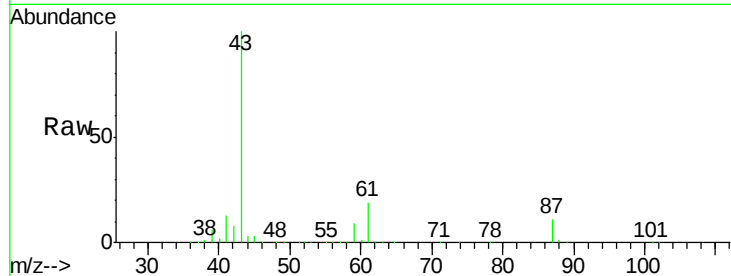
#43
Isopropyl Acetate
Concen: 101.471 ug/l
RT: 6.45 min Scan# 868
Delta R.T. 0.00 min
Lab File: VX009204.D
Acq: 29 Apr 2019 13:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.0	15.1	22.7
87	11.5	9.0	13.6

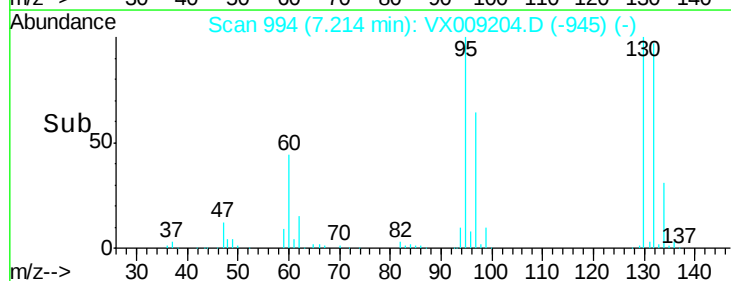
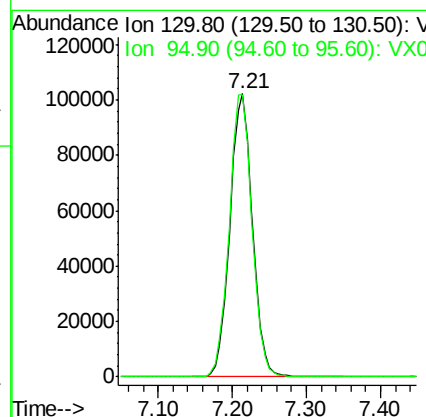
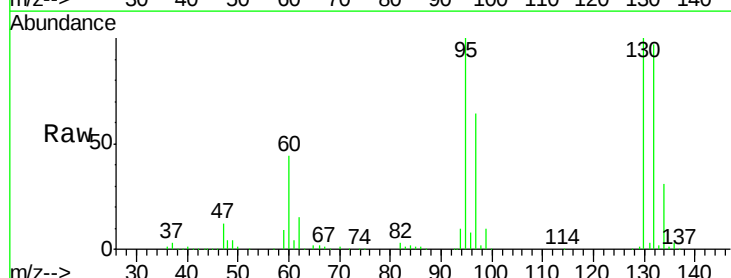
Manual Integrations
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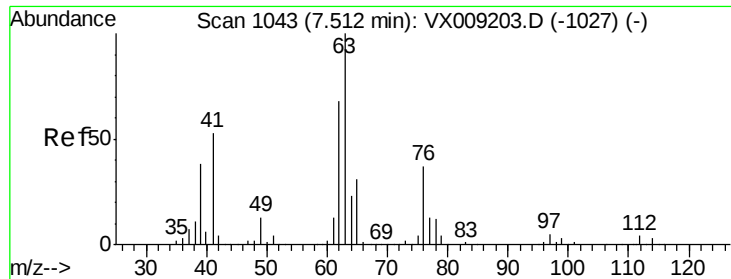
MMDadoda
4/30/2019 11:03:35 AM



#44
Trichloroethene
Concen: 93.949 ug/l
RT: 7.21 min Scan# 994
Delta R.T. 0.00 min
Lab File: VX009204.D
Acq: 29 Apr 2019 13:20

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.8	0.0	199.2





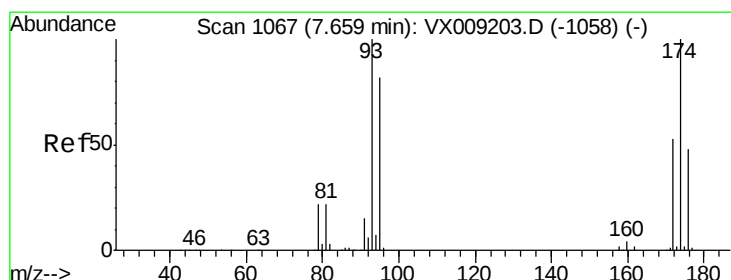
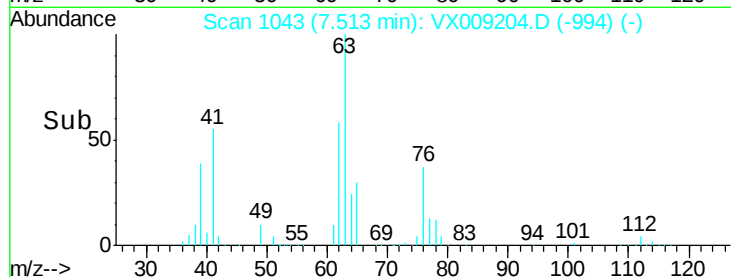
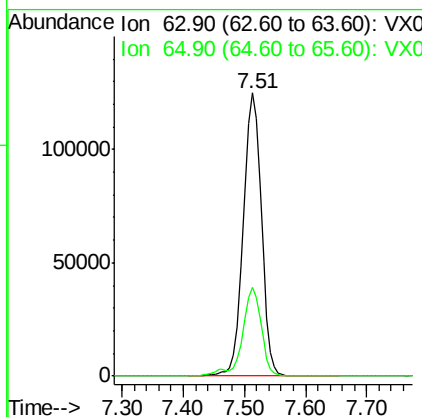
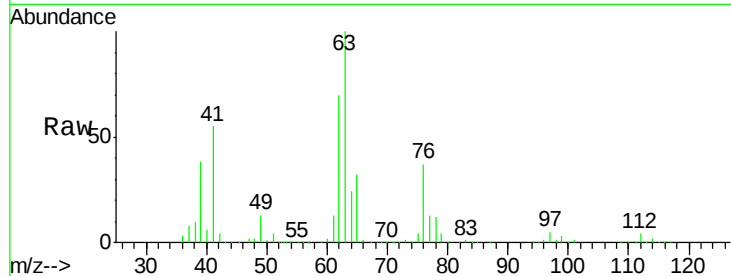
#45
 1,2-Dichloropropane
 Concen: 98.379 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX009204.D
 Acq: 29 Apr 2019 13:20

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC100

Tot Ion: 63 Resp: 256412
 Ion Ratio Lower Upper
 63 100
 65 31.6 25.0 37.6

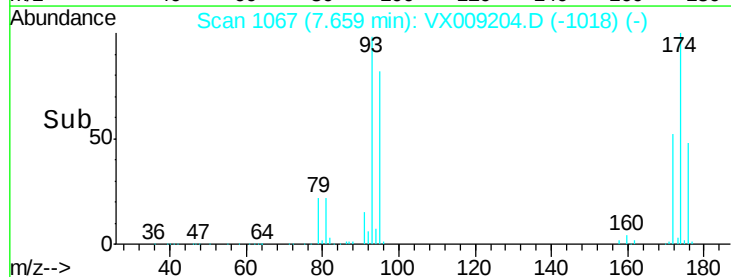
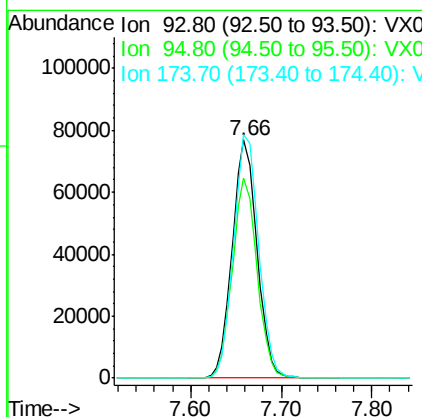
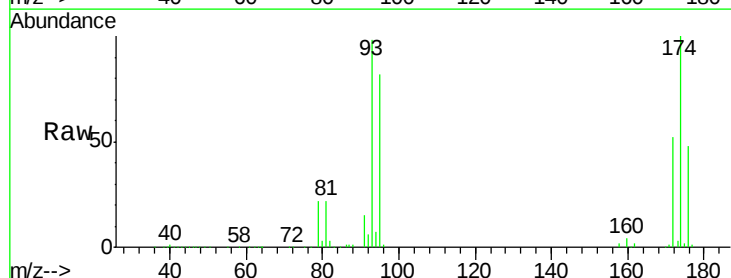
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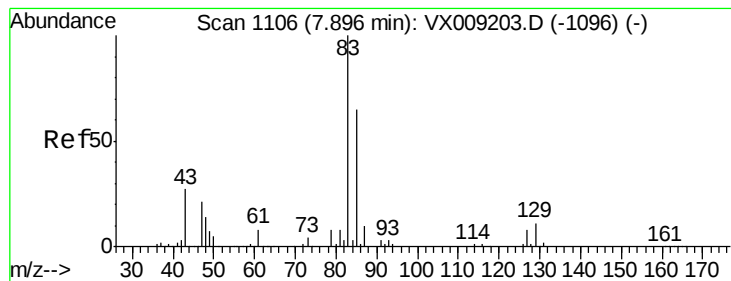
MMDadoda
 4/30/2019 11:03:35 AM



#46
 Dibromomethane
 Concen: 96.834 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX009204.D
 Acq: 29 Apr 2019 13:20

Tgt Ion: 93 Resp: 146716
 Ion Ratio Lower Upper
 93 100
 95 83.4 66.5 99.7
 174 103.4 82.1 123.1





#47

Bromodichloromethane

Concen: 101.642 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX009204.D

Acq: 29 Apr 2019 13:20

Instrument :

MSVOA_X

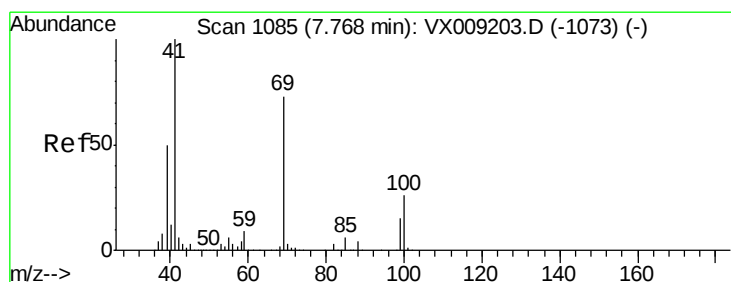
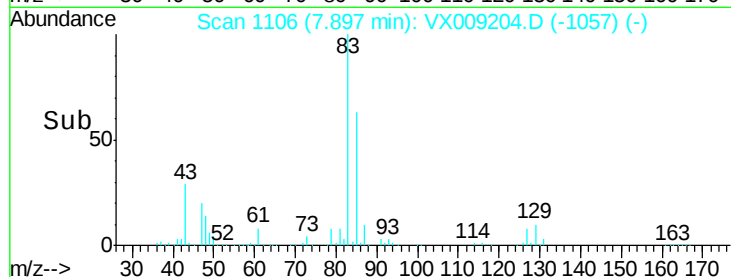
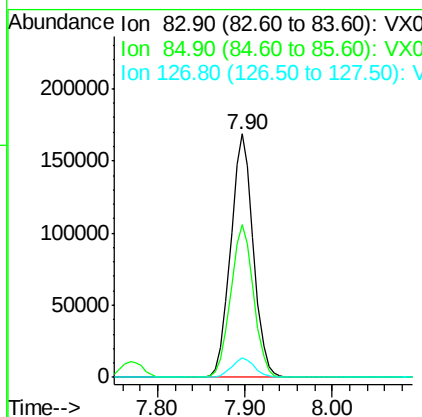
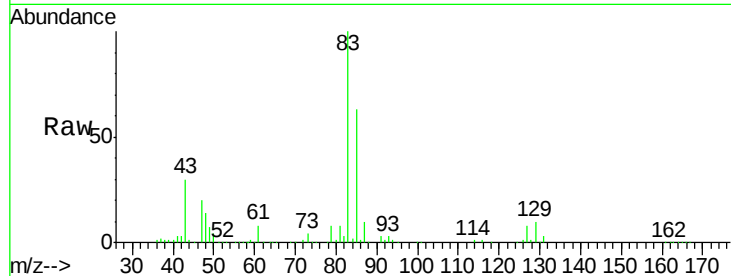
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	302725
Ion Ratio	Lower	Upper	
83	100		
85	62.6	52.4	78.6
127	7.9	6.6	10.0

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MMDadoda
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#48

Methyl methacrylate

Concen: 103.687 ug/l

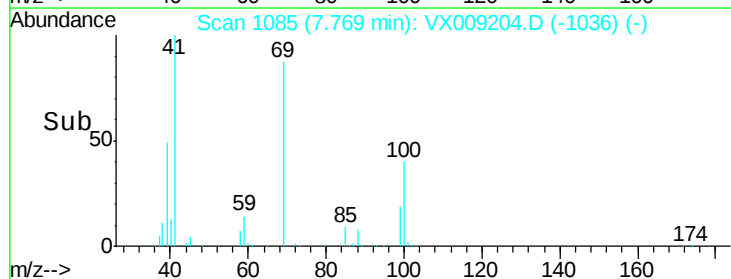
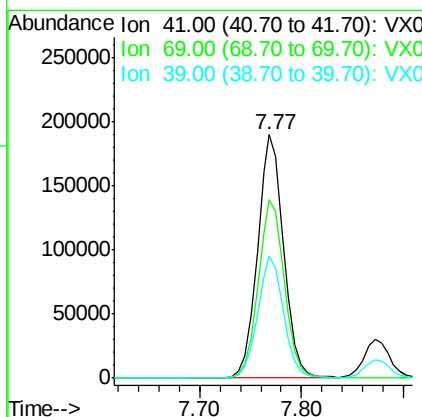
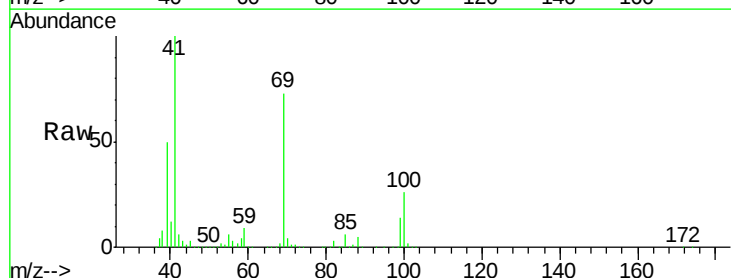
RT: 7.77 min Scan# 1085

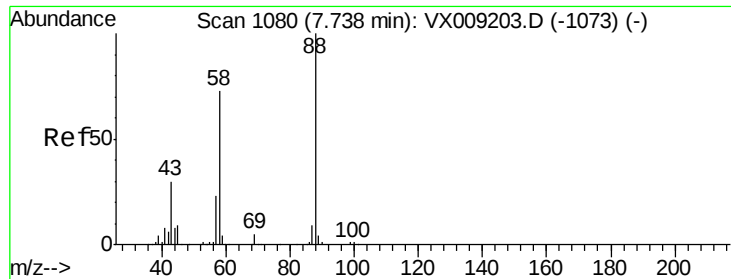
Delta R.T. 0.00 min

Lab File: VX009204.D

Acq: 29 Apr 2019 13:20

Tgt Ion:	41	Resp:	337948
Ion Ratio	Lower	Upper	
41	100		
69	73.8	59.1	88.7
39	49.9	40.4	60.6





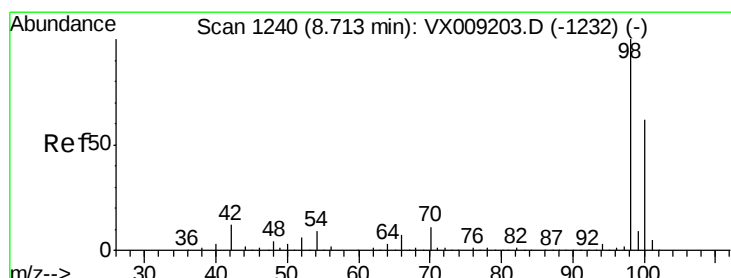
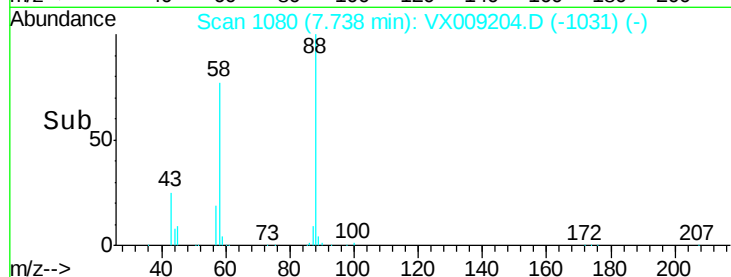
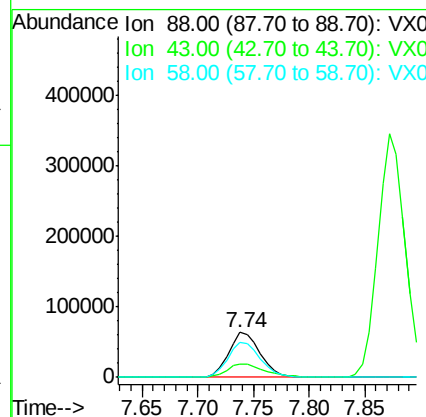
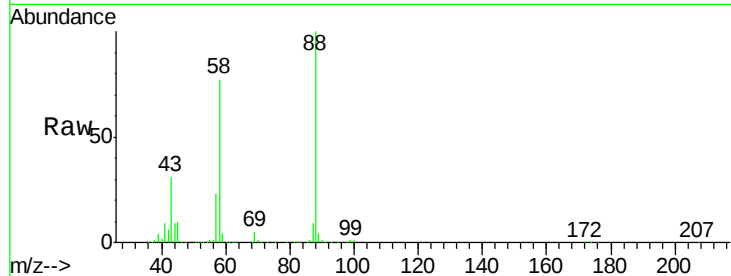
#49
 1,4-Dioxane
 Concen: 2000.648 ug/l
 RT: 7.74 min Scan# 1080
 Delta R.T. 0.00 min
 Lab File: VX009204.D
 Acq: 29 Apr 2019 13:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
88	100	124697		
43	36.1		28.6	42.8
58	80.7		61.7	92.5

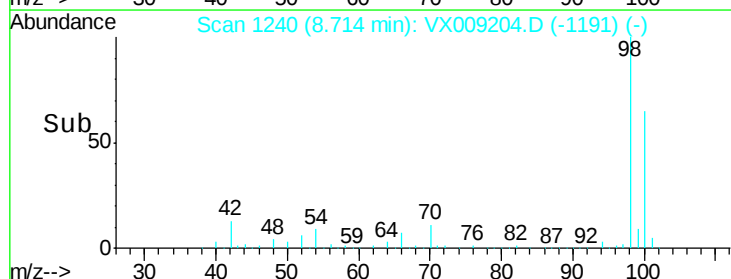
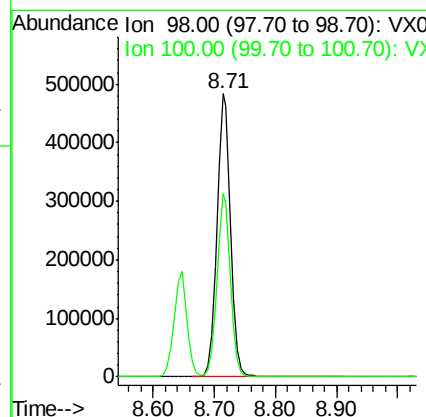
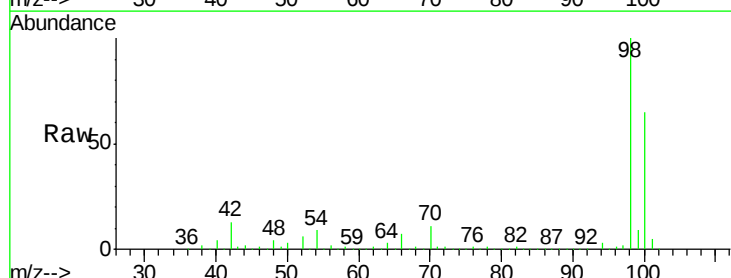
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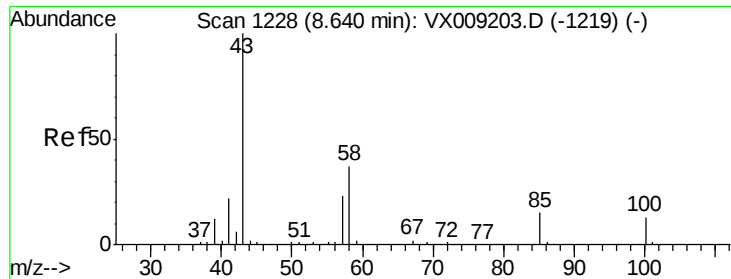
MMDadoda
 4/30/2019 11:03:35 AM



#50
 Toluene-d8
 Concen: 96.712 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VX009204.D
 Acq: 29 Apr 2019 13:20

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	770117		
100	64.5		51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 519.552 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. 0.01 min

Lab File: VX009204.D

Acq: 29 Apr 2019 13:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 2191956

Ion Ratio Lower Upper

43 100

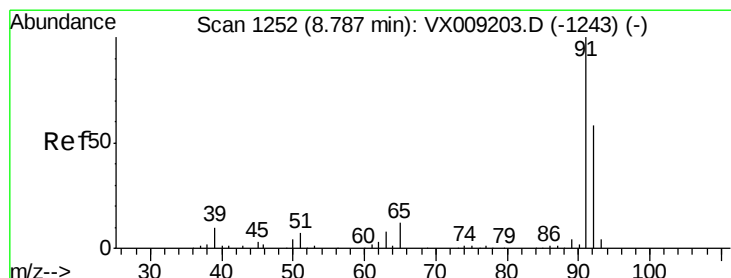
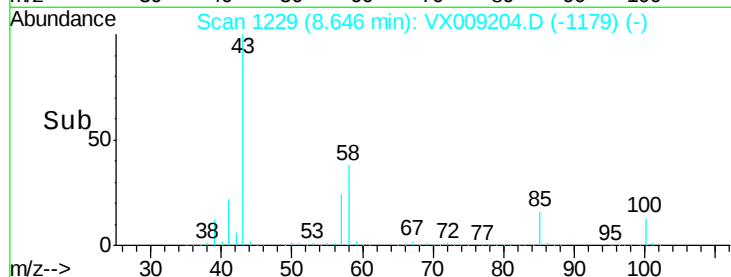
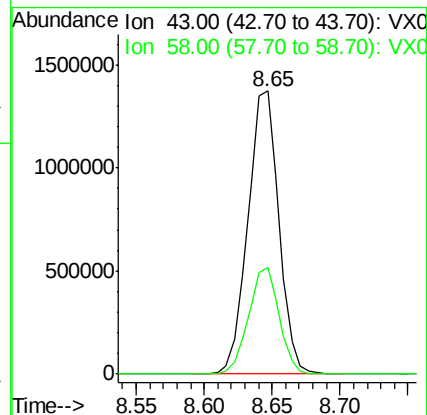
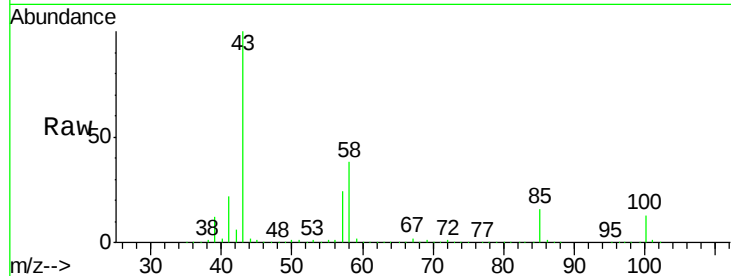
58 37.1 29.5 44.3

Manual Integrations

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MMDadoda

4/30/2019 11:03:35 AM



#52

Toluene

Concen: 97.891 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX009204.D

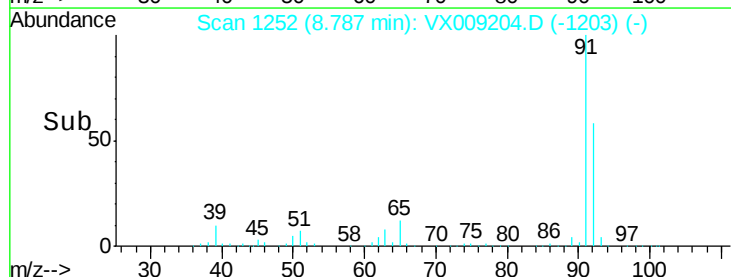
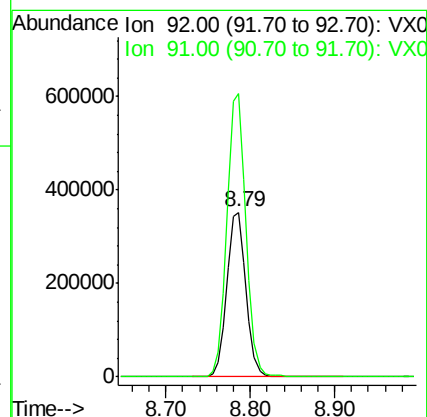
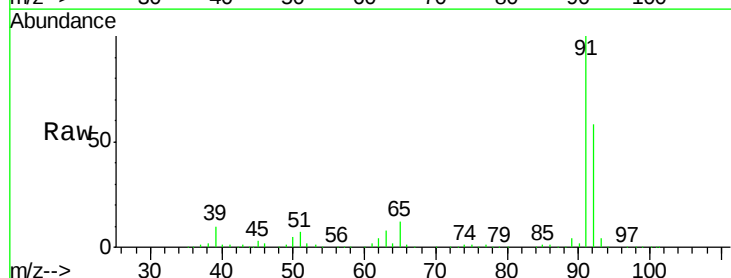
Acq: 29 Apr 2019 13:20

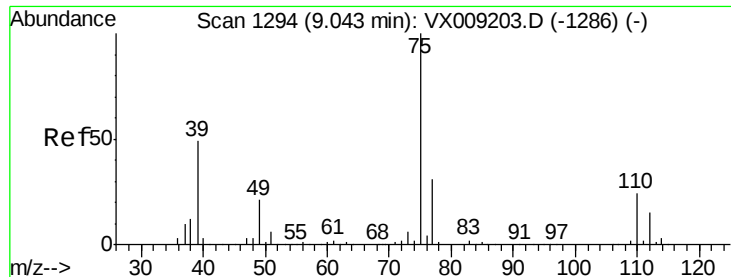
Tgt Ion: 92 Resp: 551527

Ion Ratio Lower Upper

92 100

91 172.4 138.8 208.2





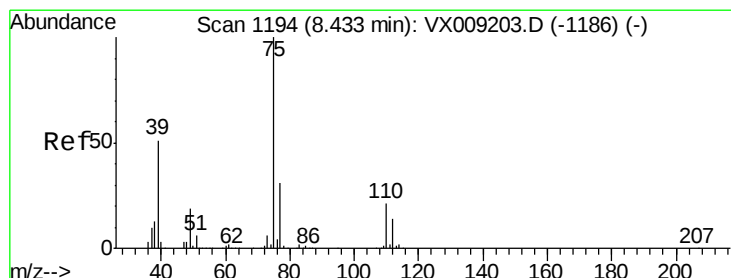
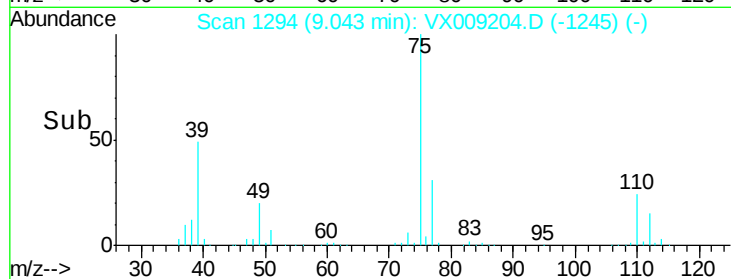
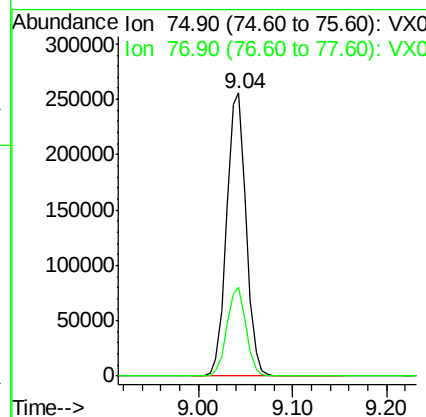
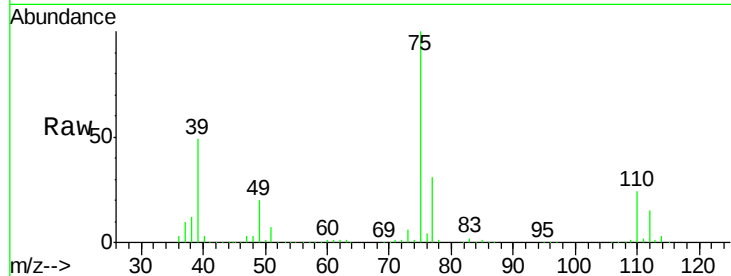
#53
t-1,3-Dichloropropene
Concen: 106.700 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX009204.D
Acq: 29 Apr 2019 13:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	75	Resp	363787
Ion Ratio	Lower	Upper	
75	100		
77	31.3	25.0	37.6

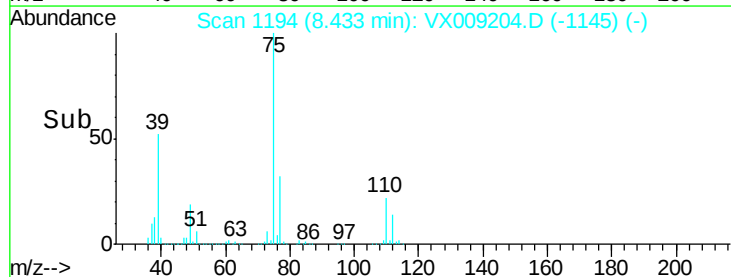
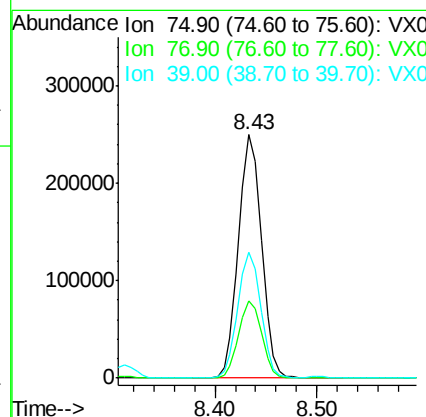
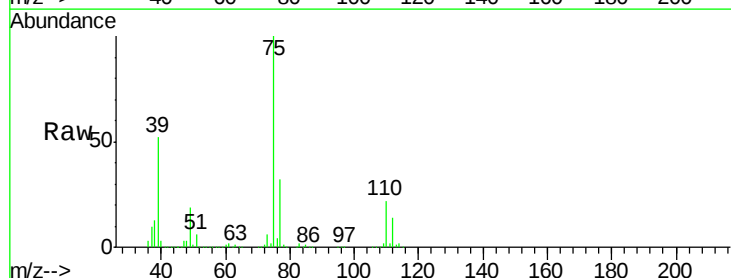
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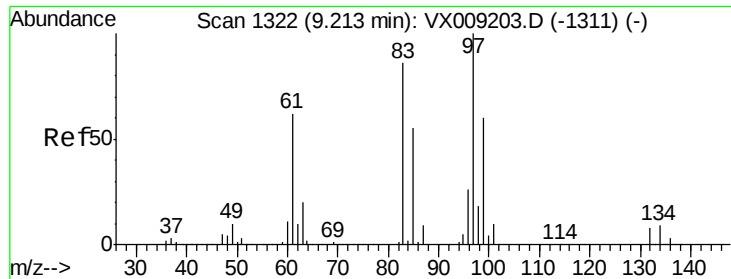
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 101.977 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX009204.D
Acq: 29 Apr 2019 13:20

Tgt Ion	75	Resp	390694
Ion Ratio	Lower	Upper	
75	100		
77	31.6	24.6	36.8
39	51.8	40.6	60.8





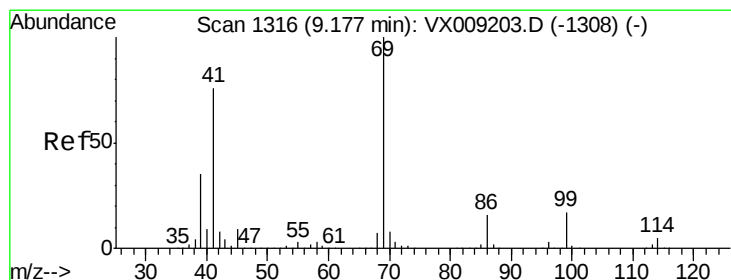
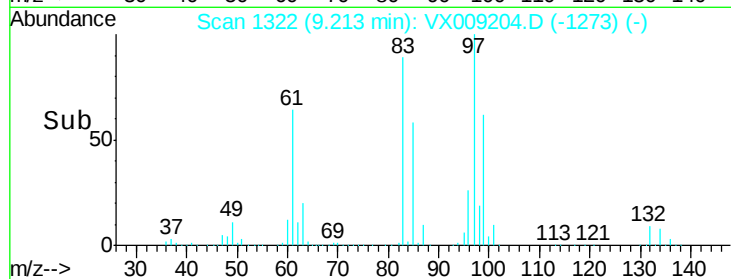
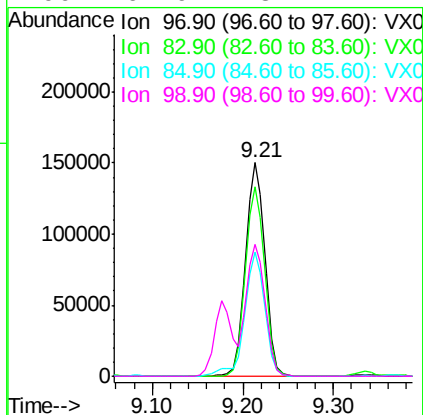
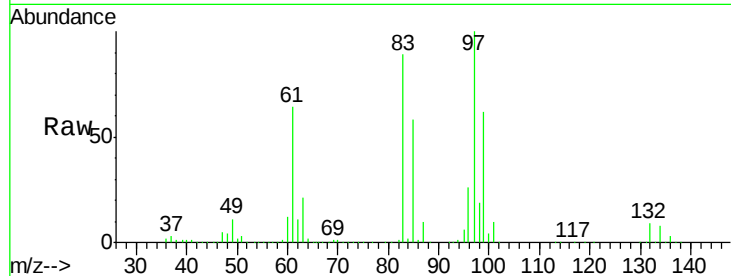
#55
 1,1,2-Trichloroethane
 Concen: 99.298 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX009204.D
 Acq: 29 Apr 2019 13:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion:	97	Resp:	222330
Ion	Ratio	Lower	Upper
97	100		
83	88.5	68.9	103.3
85	58.0	43.8	65.6
99	61.9	48.2	72.2

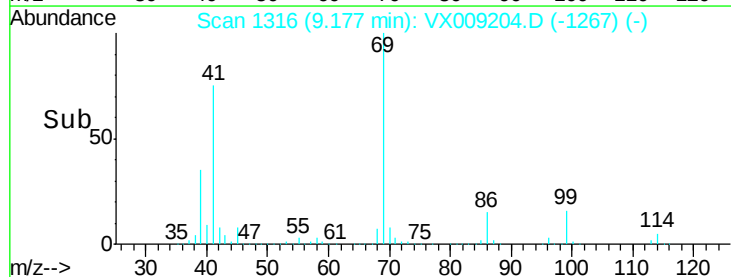
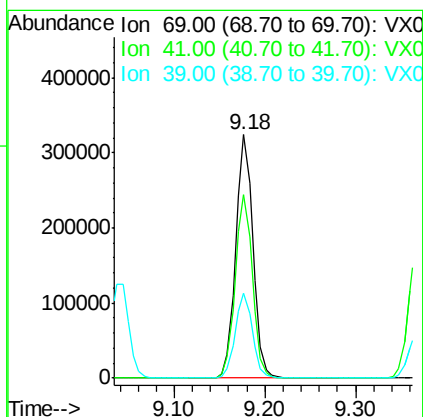
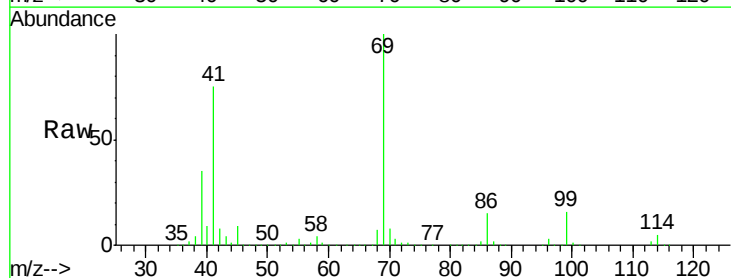
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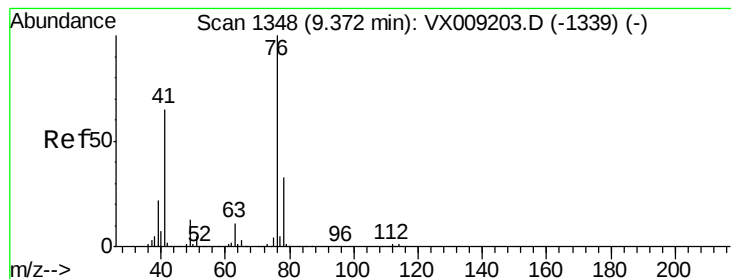
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#56
 Ethyl methacrylate
 Concen: 106.480 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX009204.D
 Acq: 29 Apr 2019 13:20

Tgt Ion:	69	Resp:	426953
Ion	Ratio	Lower	Upper
69	100		
41	75.3	60.6	90.8
39	35.0	28.2	42.4





#57

1,3-Dichloropropane

Concen: 98.859 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX009204.D

Acq: 29 Apr 2019 13:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tot Ion: 76 Resp: 392876

Ion Ratio Lower Upper

76 100

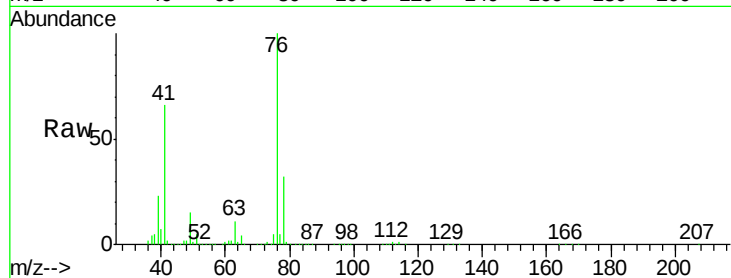
78 32.2 25.5 38.3

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

250000

200000

150000

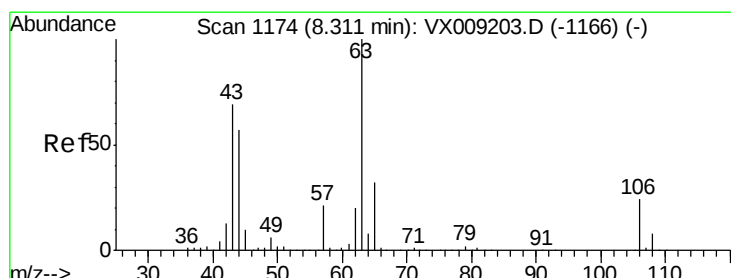
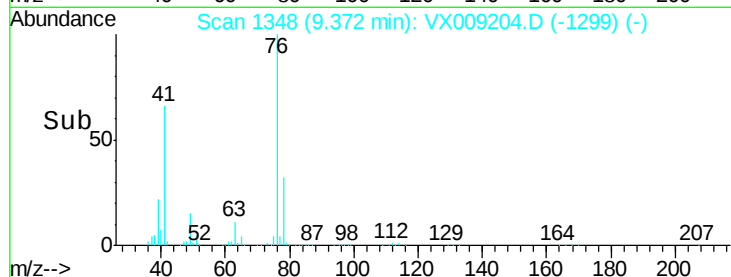
100000

50000

0

9.30 9.40 9.50

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 498.252 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX009204.D

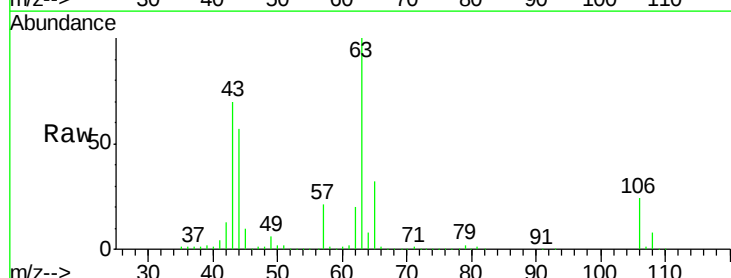
Acq: 29 Apr 2019 13:20

Tgt Ion: 63 Resp: 1079112

Ion Ratio Lower Upper

63 100

106 24.9 19.7 29.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.31

800000

600000

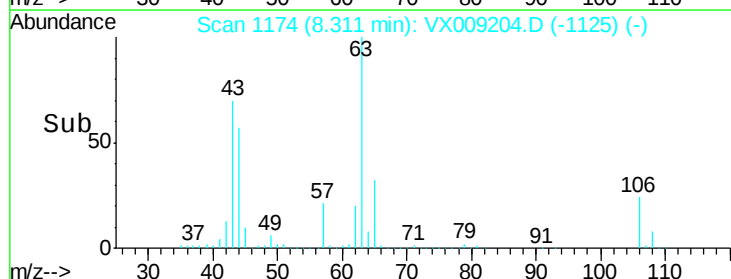
400000

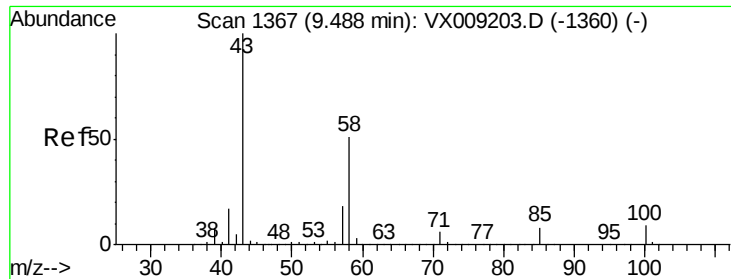
200000

0

8.20 8.30 8.40

Time-->





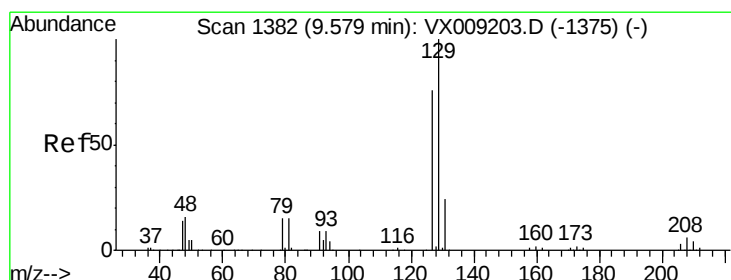
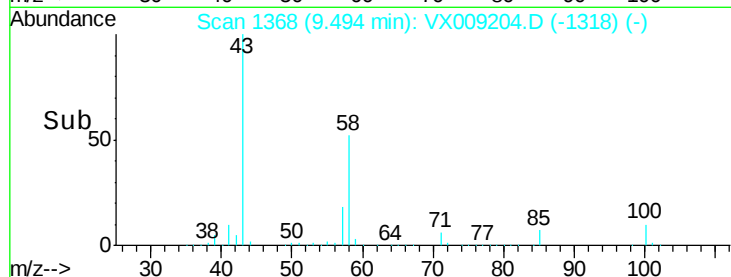
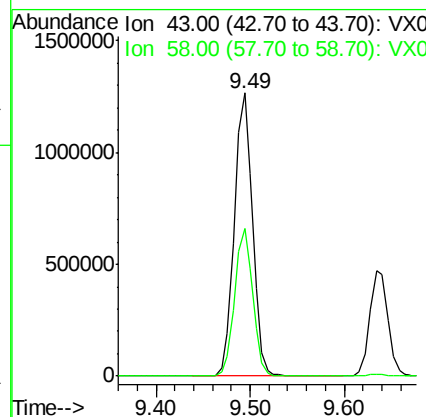
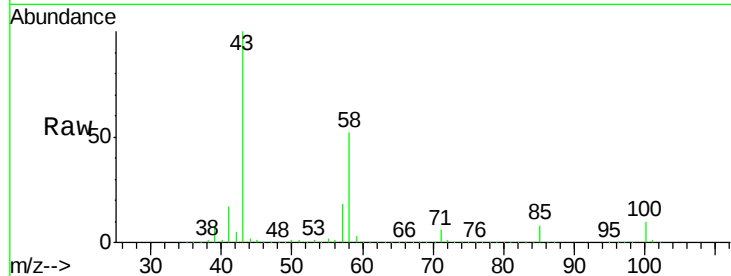
#59
2-Hexanone
Concen: 518.541 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.01 min
Lab File: VX009204.D
Acq: 29 Apr 2019 13:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion: 43 Resp: 1695428
Ion Ratio Lower Upper
43 100
58 51.8 25.9 77.7

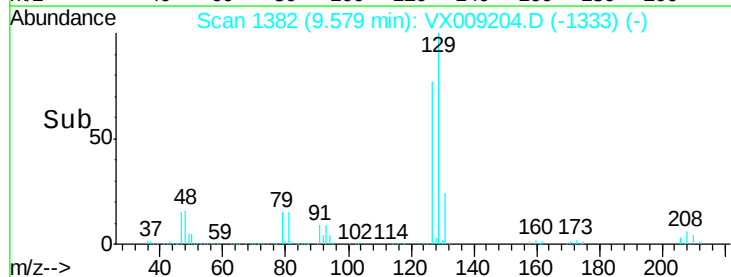
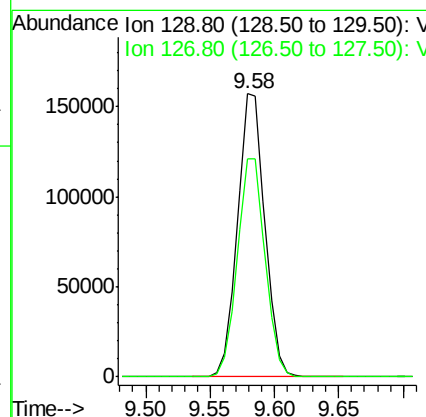
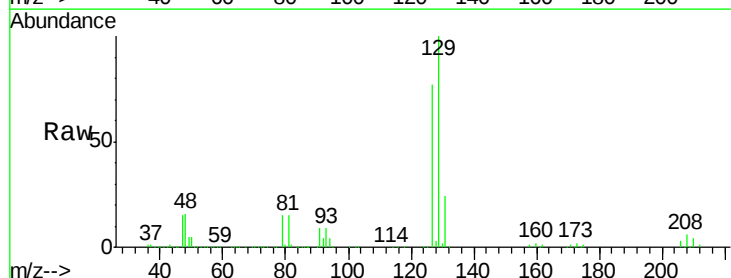
Manual Integrations
APPROVED

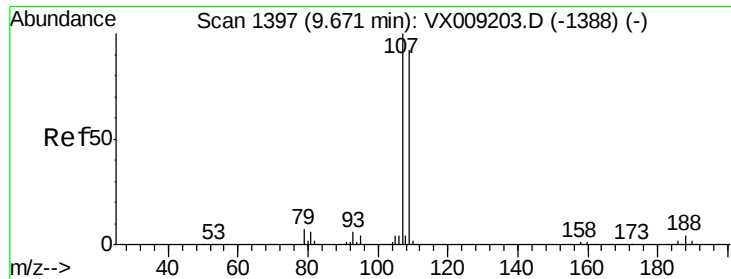
MMDadoda
4/30/2019 11:03:35 AM



#60
Dibromochloromethane
Concen: 108.441 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX009204.D
Acq: 29 Apr 2019 13:20

Tgt Ion: 129 Resp: 232676
Ion Ratio Lower Upper
129 100
127 78.1 38.4 115.1





#61

1,2-Dibromoethane

Concen: 99.892 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX009204.D

Acq: 29 Apr 2019 13:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:107 Resp: 229873

Ion Ratio Lower Upper

107 100

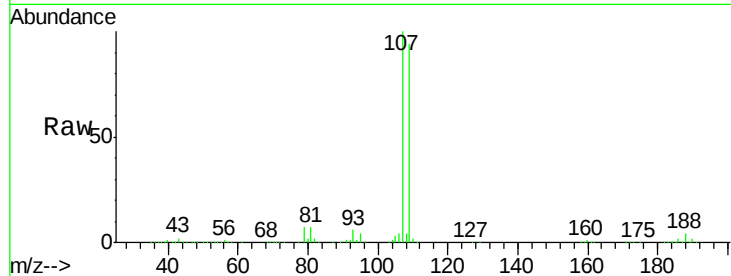
109 94.3 75.2 112.8

Manual Integrations

APPROVED

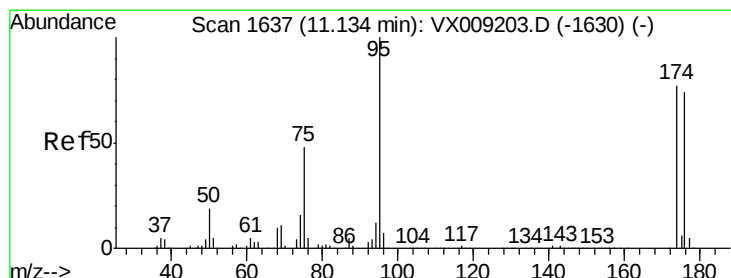
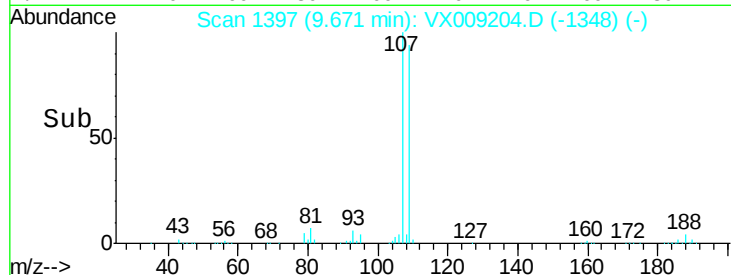
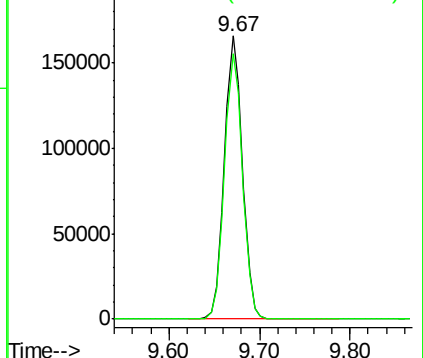
MMDadoda

4/30/2019 11:03:35 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 104.376 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009204.D

Acq: 29 Apr 2019 13:20

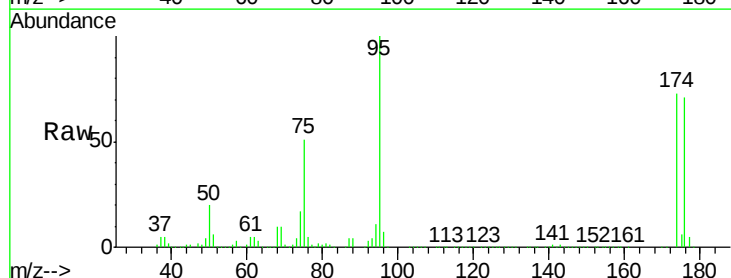
Tgt Ion: 95 Resp: 294537

Ion Ratio Lower Upper

95 100

174 80.1 0.0 161.6

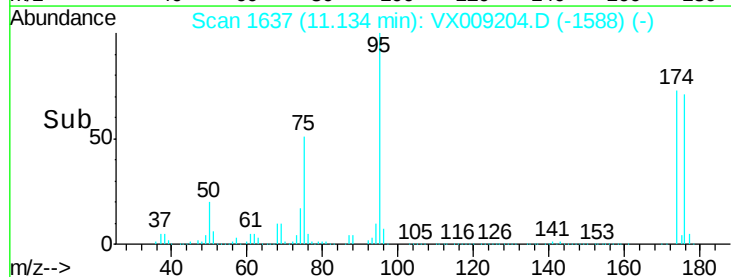
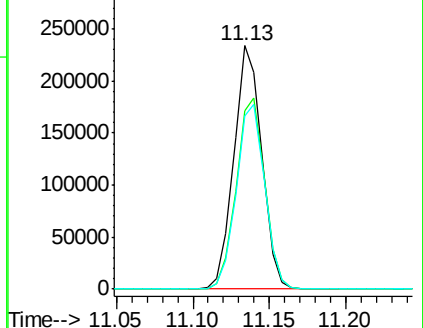
176 77.7 0.0 159.2

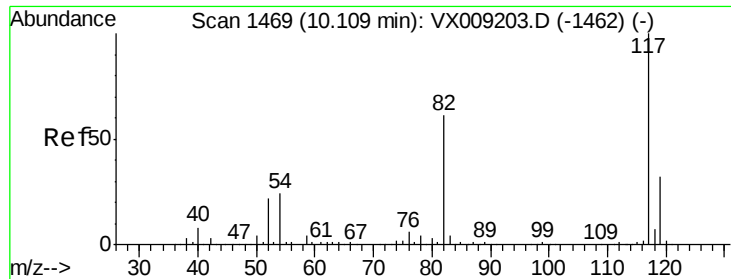


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





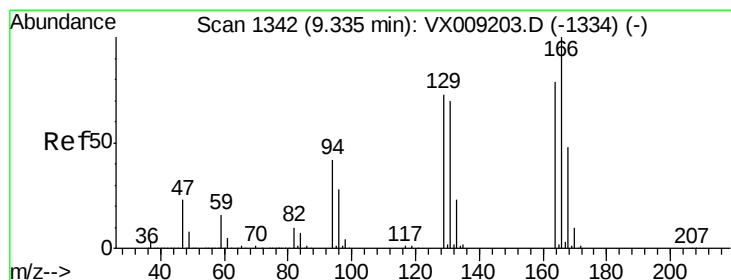
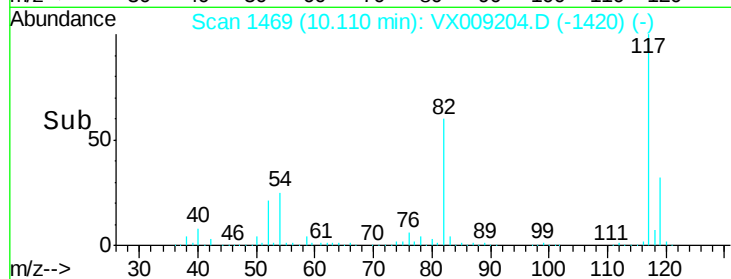
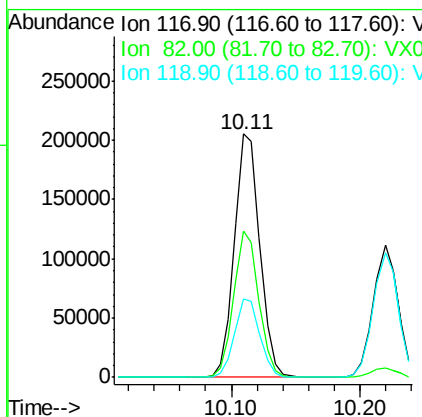
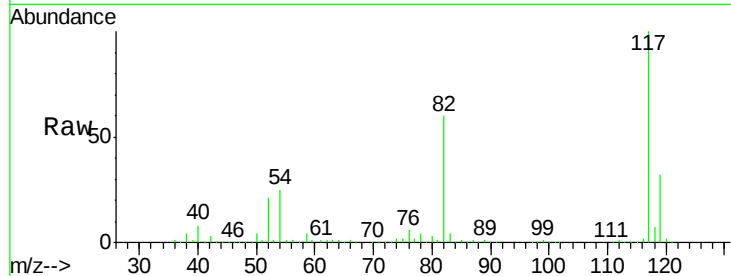
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009204.D
Acq: 29 Apr 2019 13:20

Instrument :
MSVOA_X
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
117	100	283520		
82	59.9	48.8	73.2	
119	32.2	25.8	38.6	

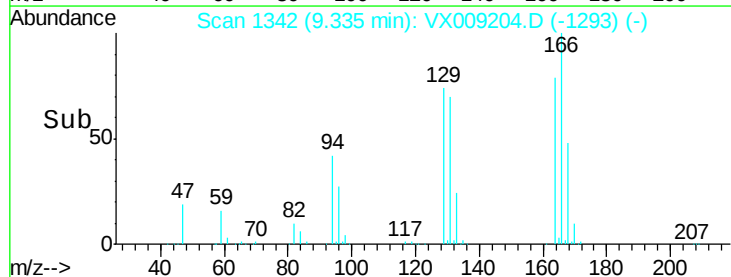
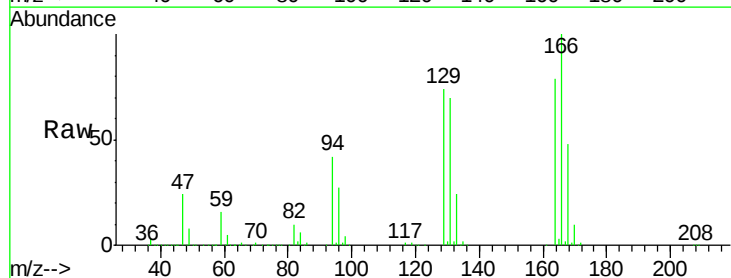
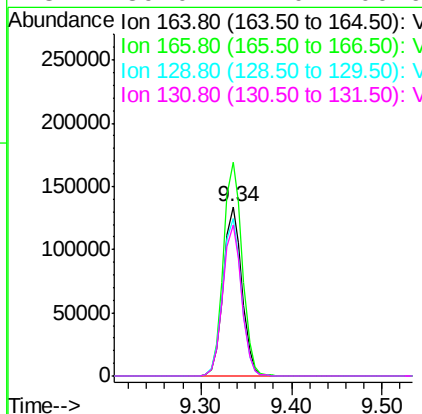
Manual Integrations
APPROVED

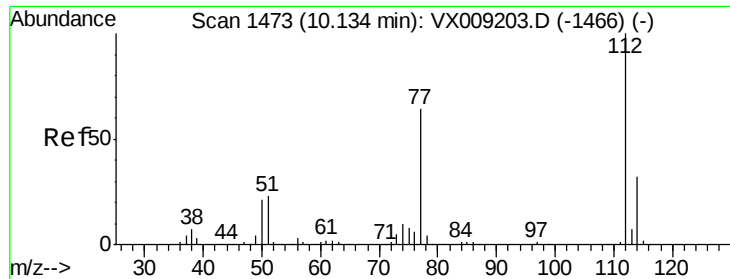
MMDadoda
4/30/2019 11:03:35 AM



#64
Tetrachloroethene
Concen: 89.397 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX009204.D
Acq: 29 Apr 2019 13:20

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	190396		
166	126.3	101.2	151.8	
129	93.1	74.3	111.5	
131	89.0	71.0	106.6	





#65

Chlorobenzene

Concen: 96.282 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.01 min

Lab File: VX009204.D

Acq: 29 Apr 2019 13:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:112 Resp: 575478

Ion Ratio Lower Upper

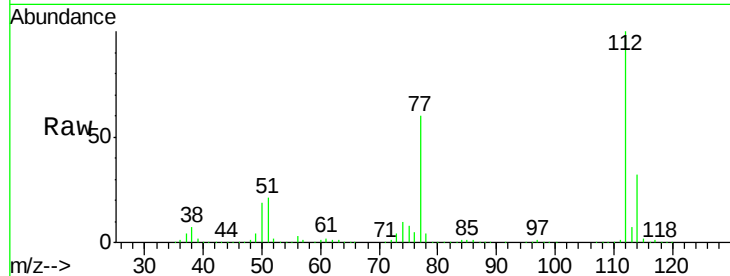
112 100

114 32.0 25.5 38.3

Manual Integrations
APPROVED

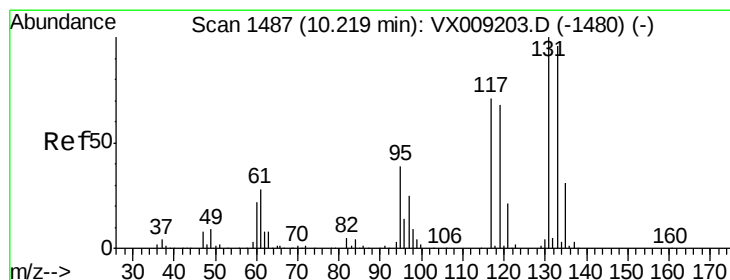
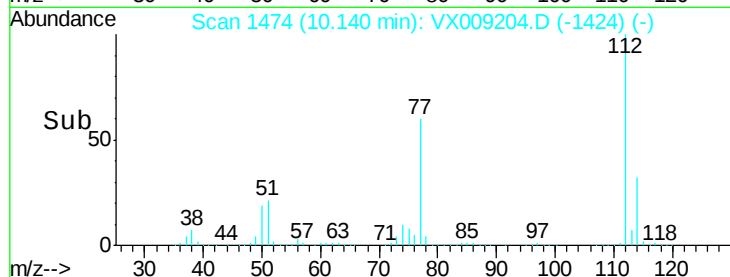
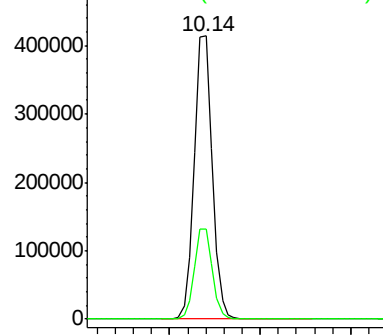
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 100.100 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX009204.D

Acq: 29 Apr 2019 13:20

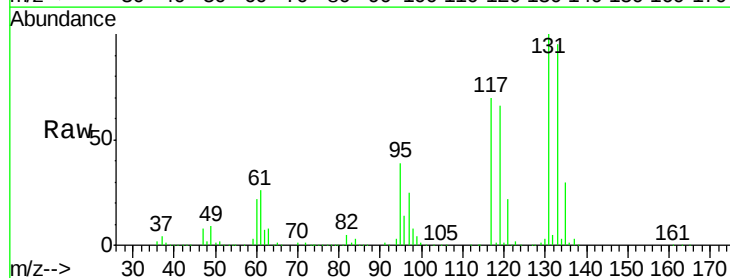
Tgt Ion:131 Resp: 210624

Ion Ratio Lower Upper

131 100

133 96.1 47.7 143.1

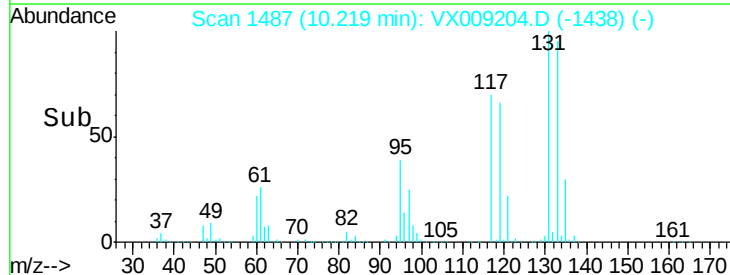
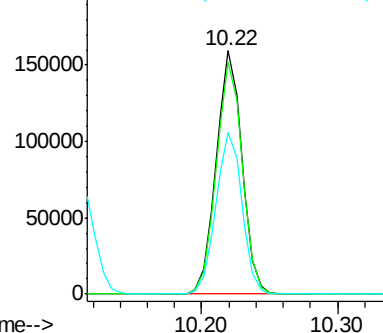
119 67.2 33.5 100.4

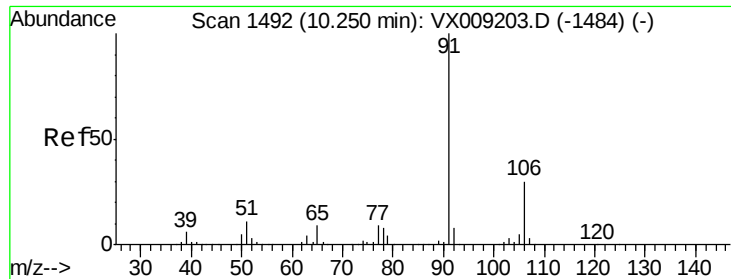


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 98.009 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX009204.D

Acq: 29 Apr 2019 13:20

Instrument :

MSVOA_X

ClientSampled :

VSTDIC100

Tot Ion: 91 Resp: 1069641

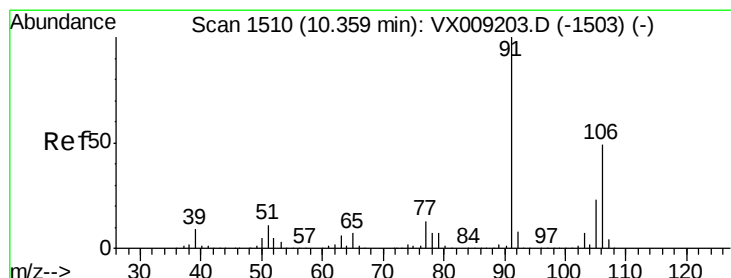
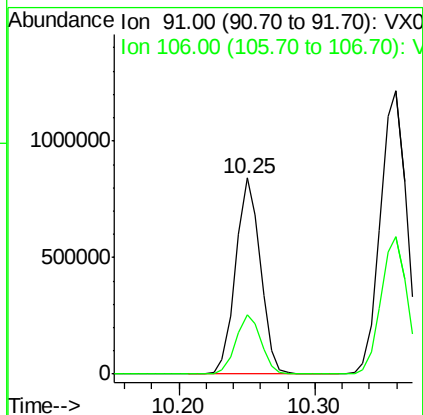
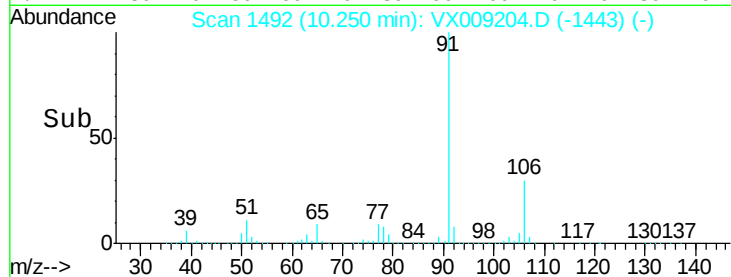
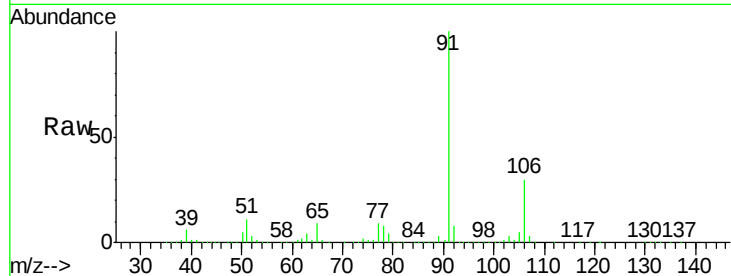
Ion Ratio Lower Upper

91 100

106 30.4 24.0 36.0

Manual Integrations
APPROVED

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#68

m/p-Xylenes

Concen: 197.755 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX009204.D

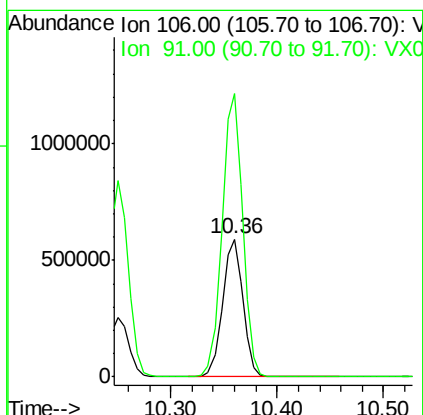
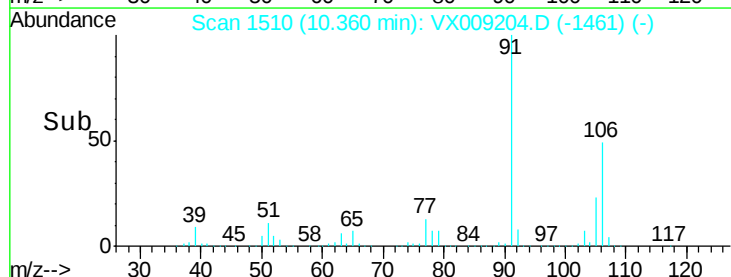
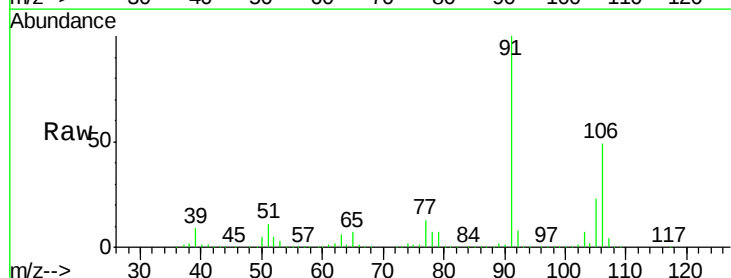
Acq: 29 Apr 2019 13:20

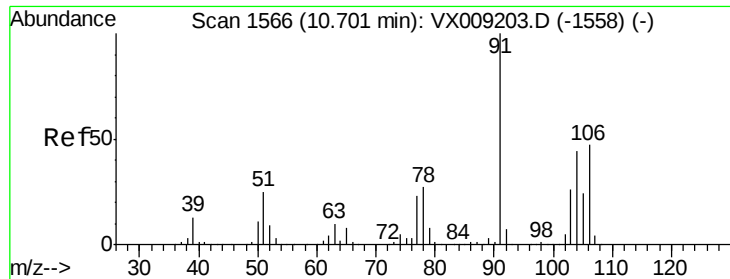
Tgt Ion: 106 Resp: 786625

Ion Ratio Lower Upper

106 100

91 207.5 164.0 246.0





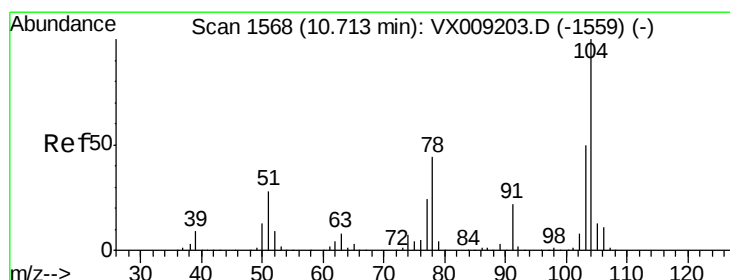
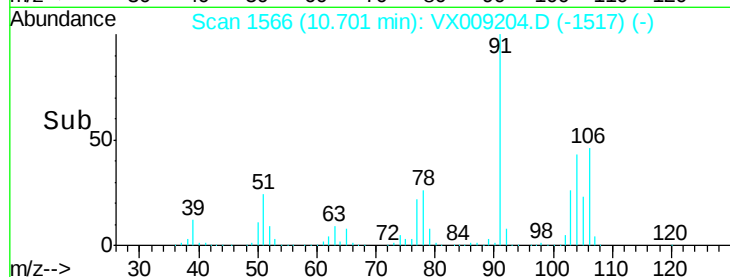
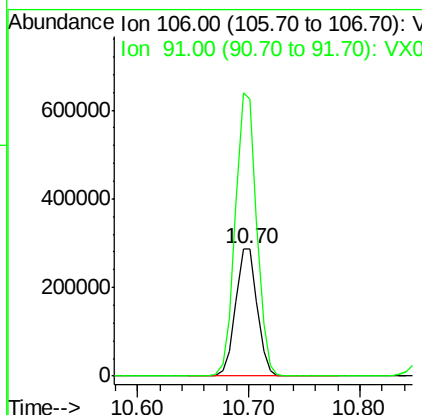
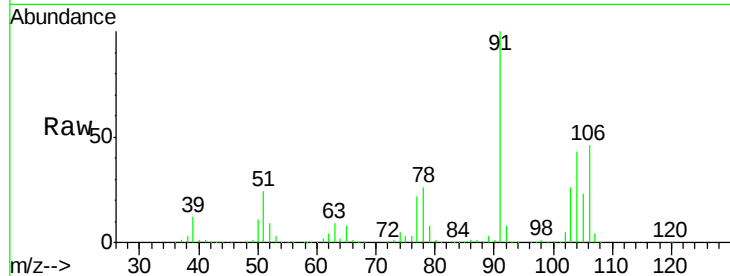
#69
o-Xylene
Concen: 99.601 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX009204.D
Acq: 29 Apr 2019 13:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
106	100		
91	219.1	109.5	328.4

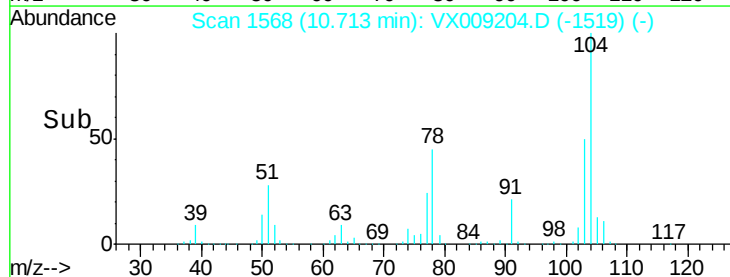
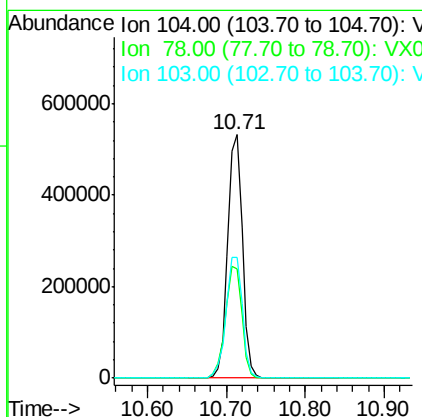
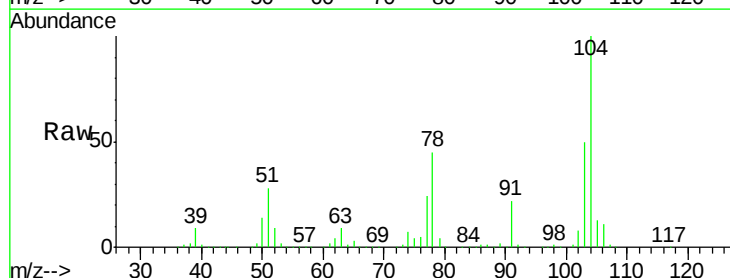
Manual Integrations
APPROVED

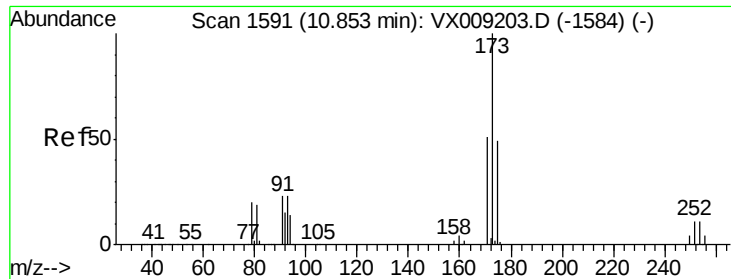
MMDadoda
4/30/2019 11:03:35 AM



#70
Styrene
Concen: 102.513 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX009204.D
Acq: 29 Apr 2019 13:20

Tgt Ion	Ratio	Lower	Upper
104	100		
78	51.4	41.0	61.4
103	55.5	43.8	65.6





#71

Bromoform

Concen: 109.757 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX009204.D

Acq: 29 Apr 2019 13:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:173 Resp: 184378

Ion Ratio Lower Upper

173 100

175 48.9 24.5 73.5

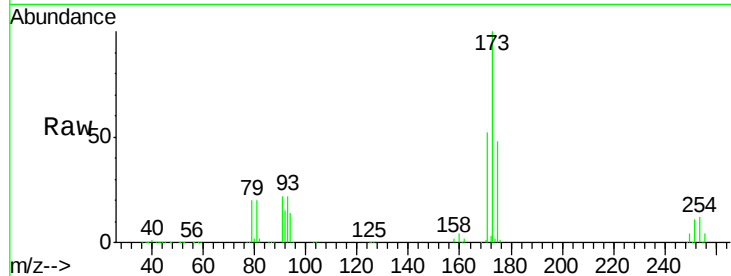
254 0.2 0.1 0.1#

Manual Integrations

APPROVED

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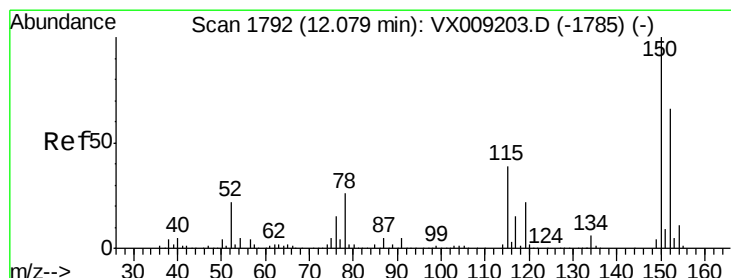
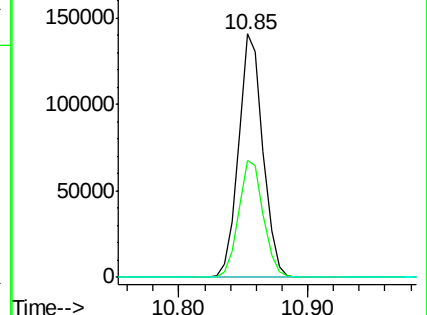
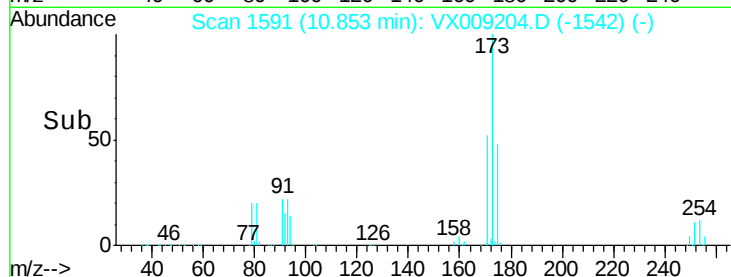
4/30/2019 11:03:35 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX009204.D

Acq: 29 Apr 2019 13:20

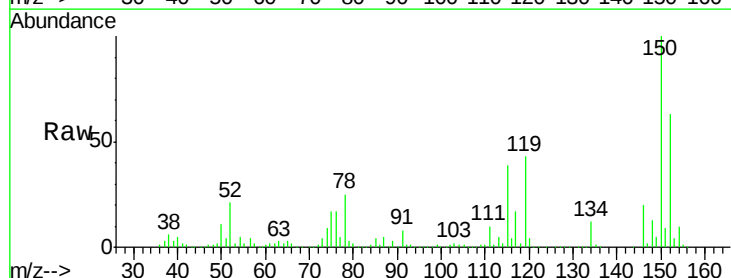
Tgt Ion:152 Resp: 143425

Ion Ratio Lower Upper

152 100

115 106.0 41.2 123.6

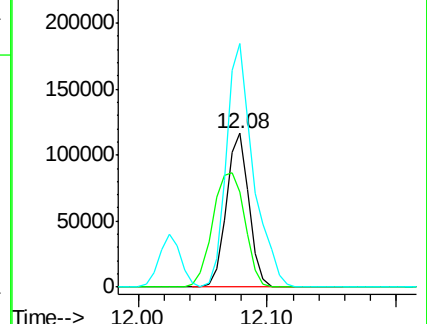
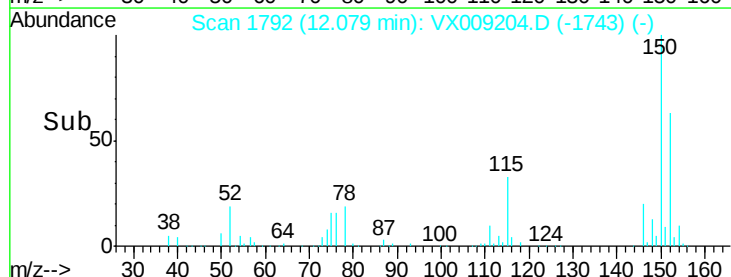
150 188.8 0.0 346.4

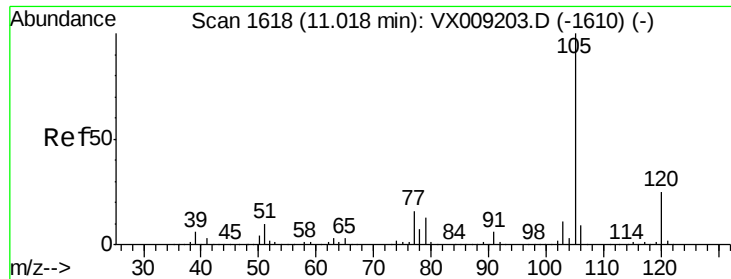


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 94.923 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX009204.D

Acq: 29 Apr 2019 13:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1025504

Ion Ratio Lower Upper

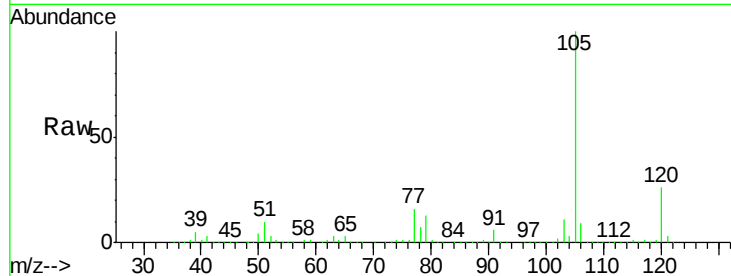
105 100

120 26.1 12.8 38.3

Manual Integrations
APPROVED

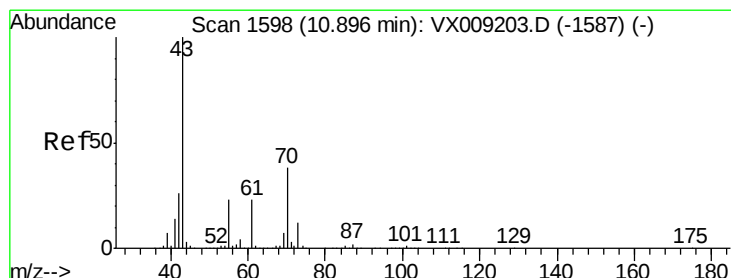
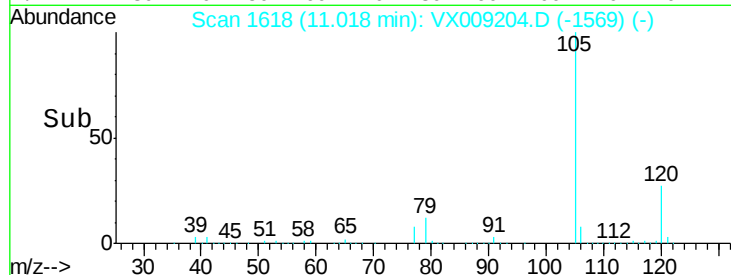
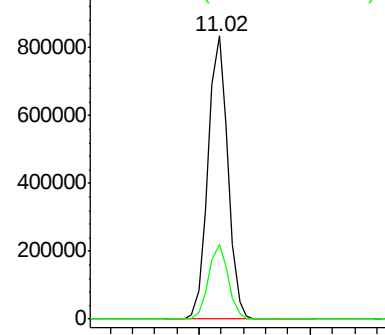
MMDadoda

4/30/2019 11:03:35 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 98.889 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX009204.D

Acq: 29 Apr 2019 13:20

Tgt Ion: 43 Resp: 616659

Ion Ratio Lower Upper

43 100

70 37.5 30.0 45.0

55 22.2 17.9 26.9

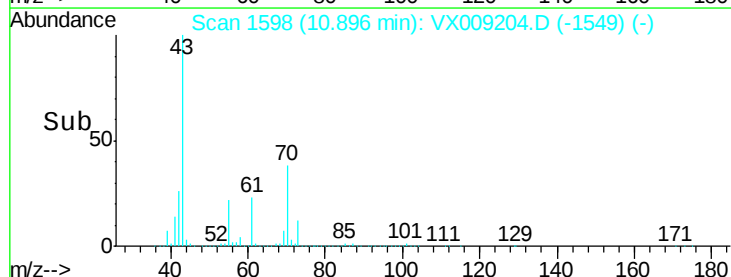
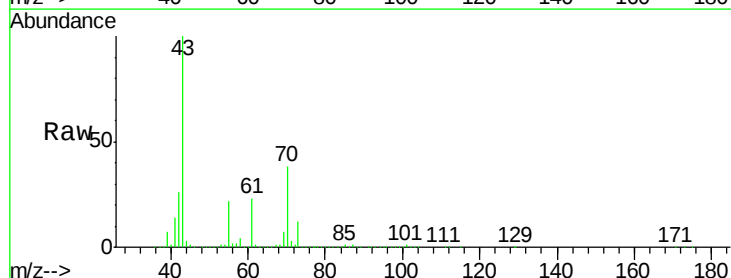
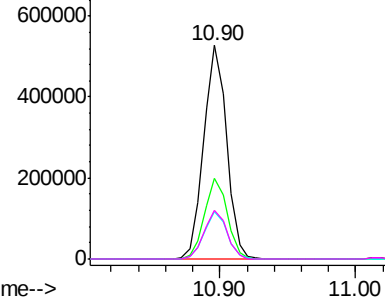
61 22.6 18.4 27.6

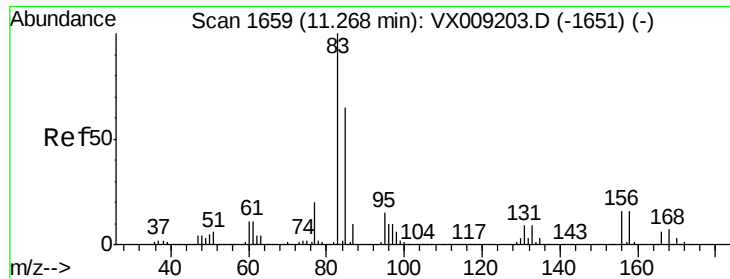
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 94.339 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX009204.D

Acq: 29 Apr 2019 13:20

Instrument :

MSVOA_X

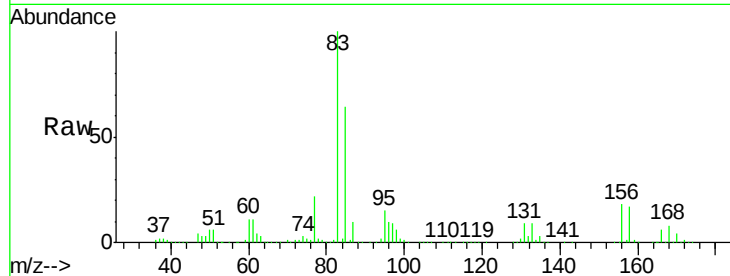
ClientSampleId :

VSTDIC100

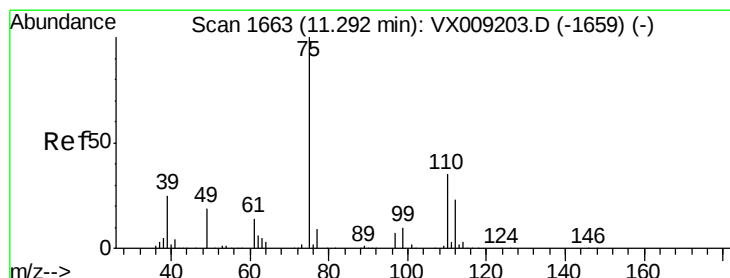
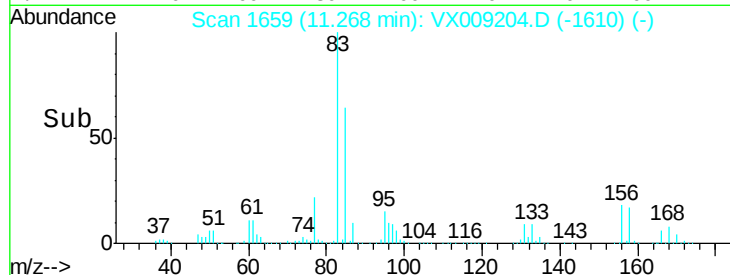
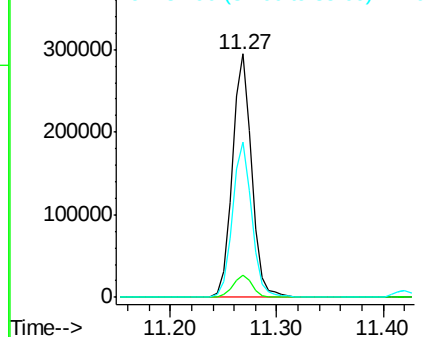
Tot Ion:	83	Resp:	374574
Ion Ratio	Lower	Upper	
83	100		
131	9.2	4.6	13.8
85	63.9	32.0	96.2

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 91.399 ug/l m

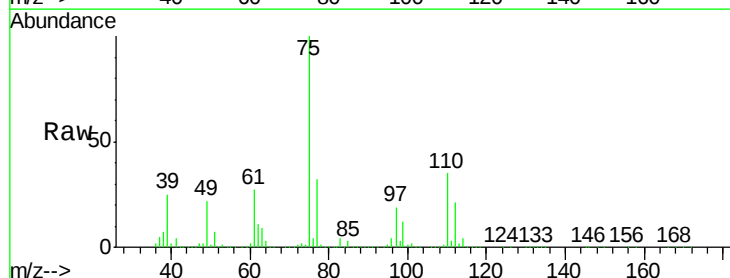
RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

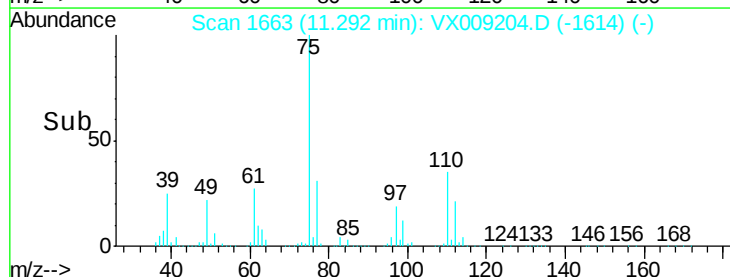
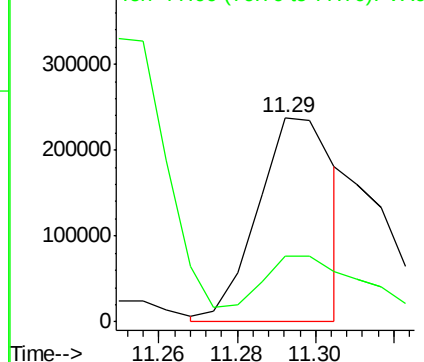
Lab File: VX009204.D

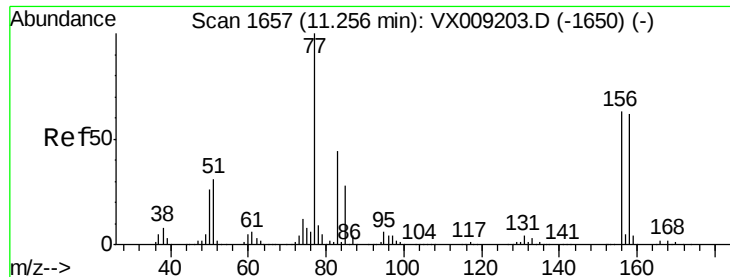
Acq: 29 Apr 2019 13:20

Tgt Ion:	75	Resp:	318842
Ion Ratio	Lower	Upper	
75	100		
77	45.6	22.1	66.1



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 95.834 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX009204.D

Acq: 29 Apr 2019 13:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:156 Resp: 261318

Ion Ratio Lower Upper

156 100

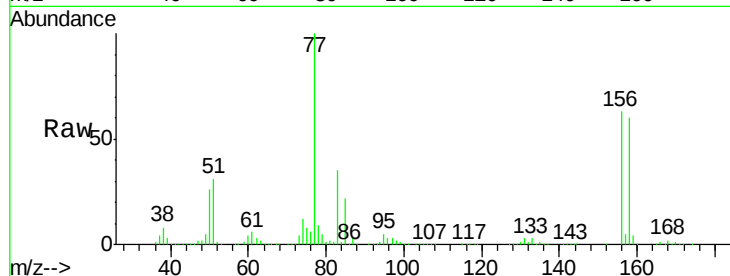
77 167.8 84.8 254.3

158 95.6 49.1 147.3

Manual Integrations
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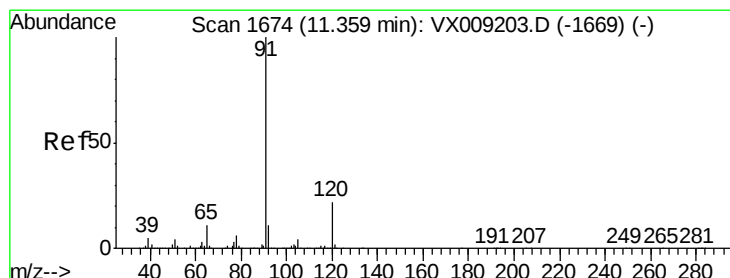
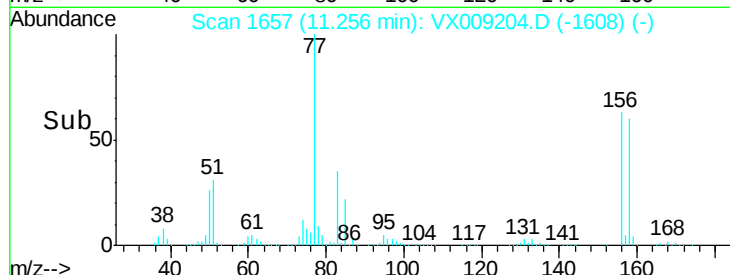
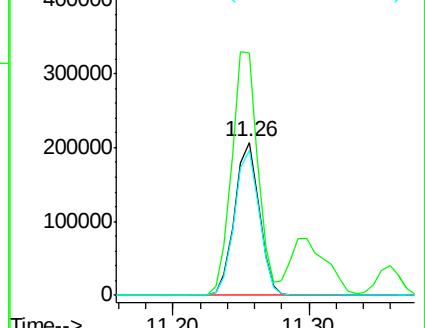
4/30/2019 11:03:35 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 97.950 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX009204.D

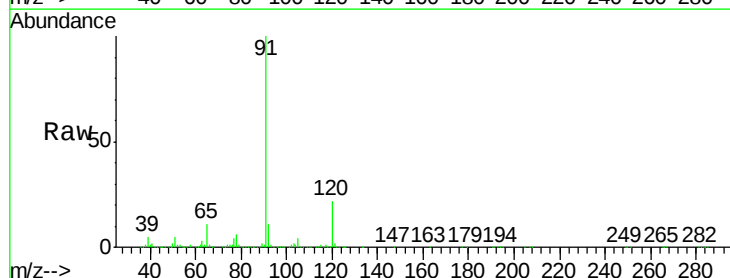
Acq: 29 Apr 2019 13:20

Tgt Ion: 91 Resp: 1212104

Ion Ratio Lower Upper

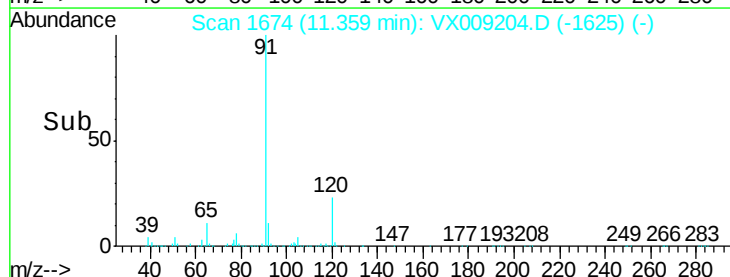
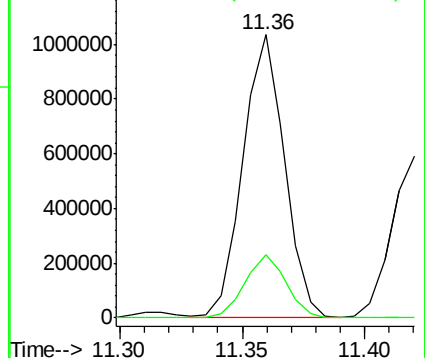
91 100

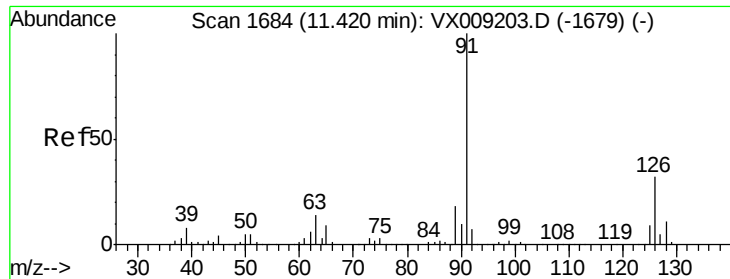
120 22.1 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 95.772 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX009204.D

Acq: 29 Apr 2019 13:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 716030

Ion Ratio Lower Upper

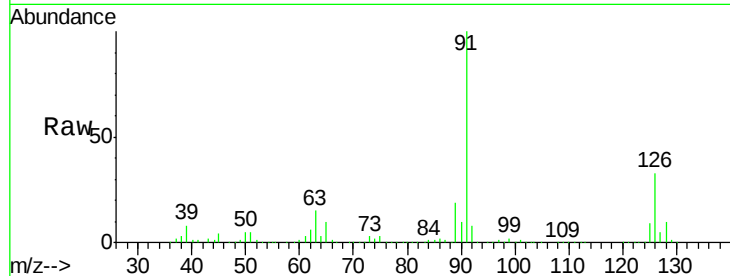
91 100

126 32.8 16.3 48.9

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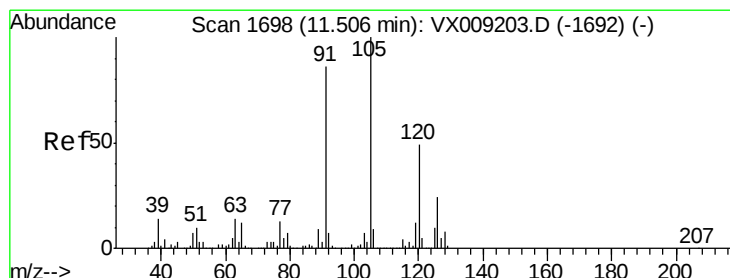
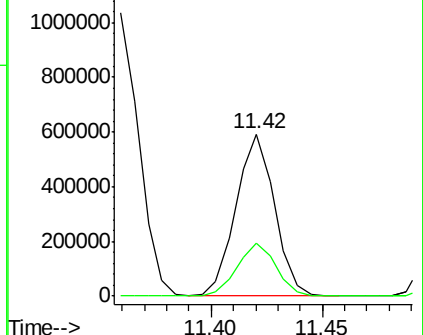
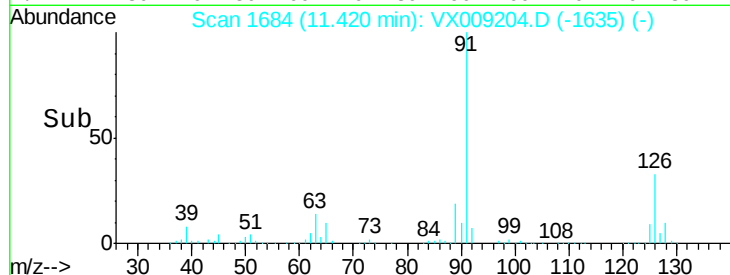
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Abundance Ion 91.00 (90.70 to 91.70): VX009204.D (-1635) (-)

Ion 125.90 (125.60 to 126.60): VX009204.D (-1635) (-)



#80

1,3,5-Trimethylbenzene

Concen: 96.687 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX009204.D

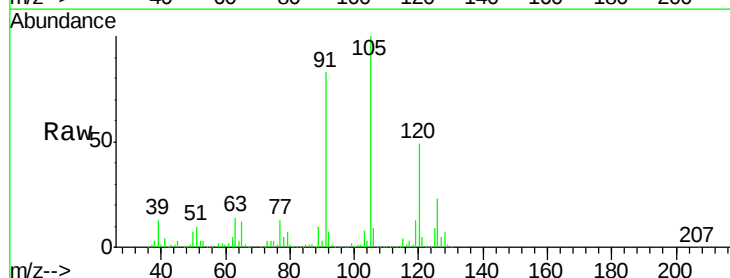
Acq: 29 Apr 2019 13:20

Tgt Ion: 105 Resp: 877153

Ion Ratio Lower Upper

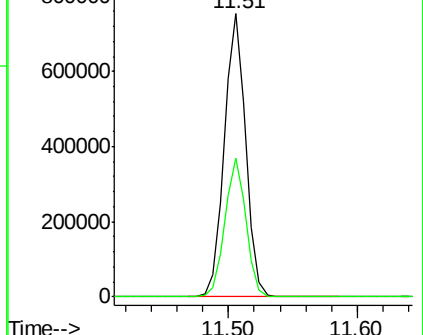
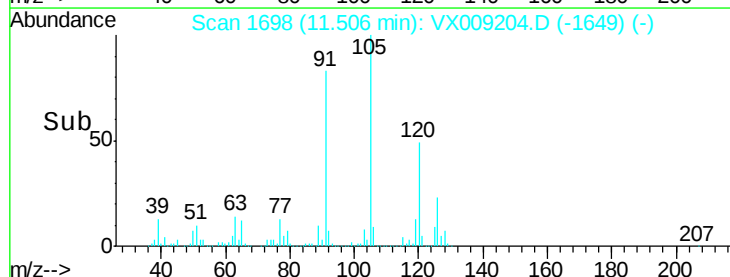
105 100

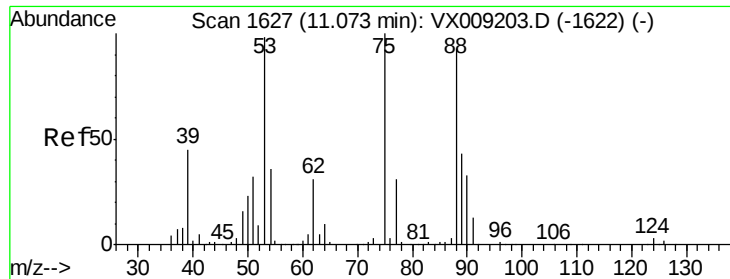
120 48.3 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): VX009204.D (-1649) (-)

Ion 120.00 (119.70 to 120.70): VX009204.D (-1649) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 105.095 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX009204.D

Acq: 29 Apr 2019 13:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 75 Resp: 141440

Ion Ratio Lower Upper

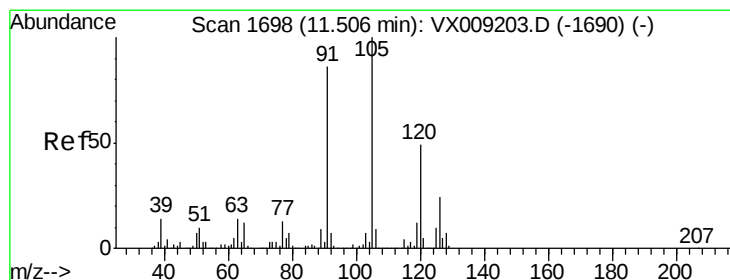
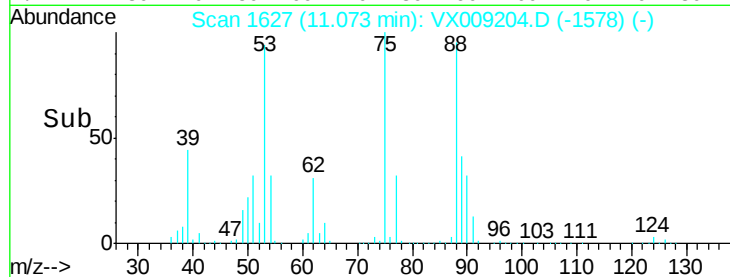
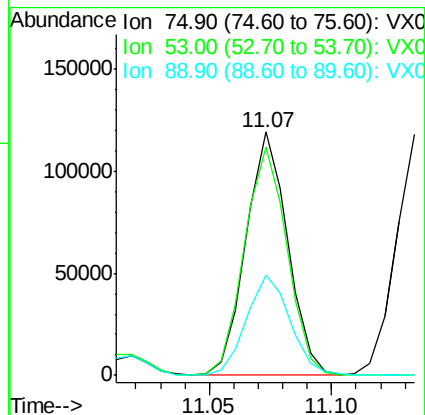
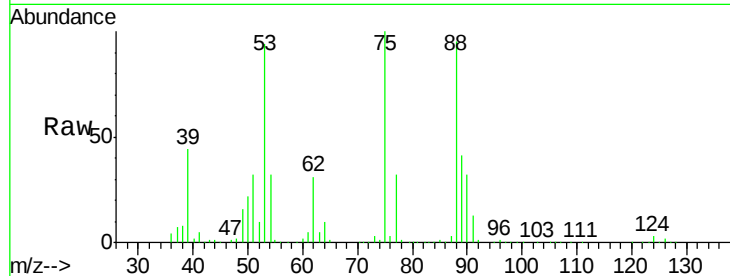
75 100

53 95.4 79.0 118.6

89 43.3 34.7 52.1

Manual Integrations
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#82

4-Chlorotoluene

Concen: 96.244 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.01 min

Lab File: VX009204.D

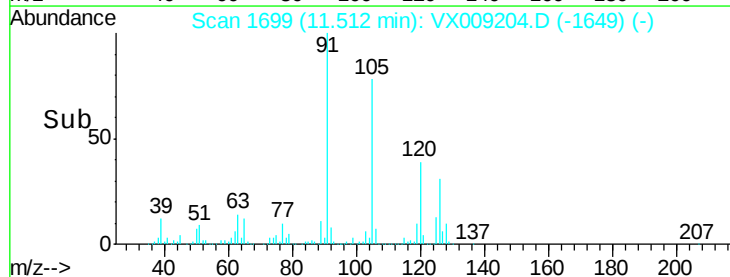
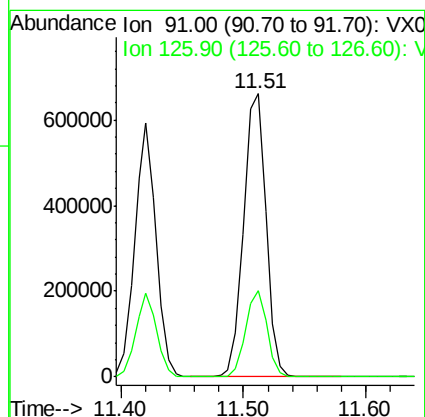
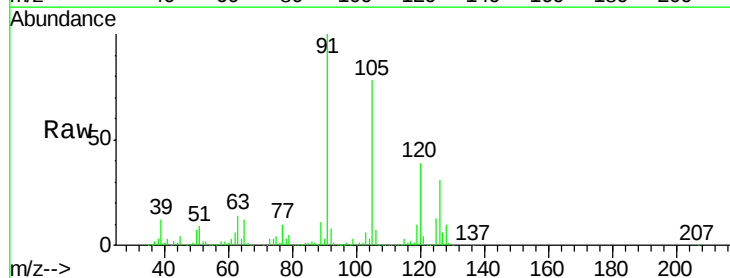
Acq: 29 Apr 2019 13:20

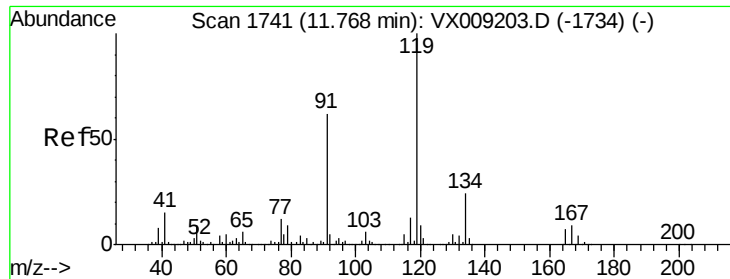
Tgt Ion: 91 Resp: 835013

Ion Ratio Lower Upper

91 100

126 29.1 14.5 43.6





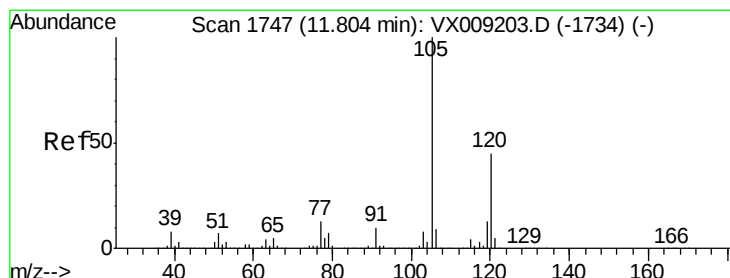
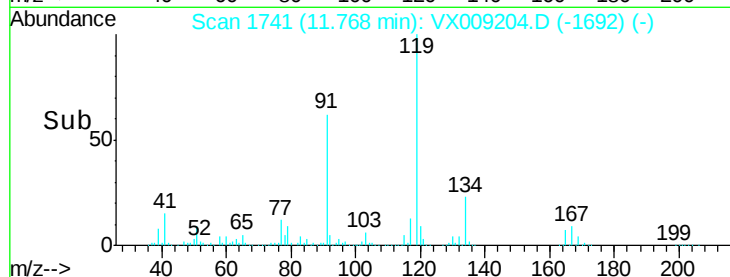
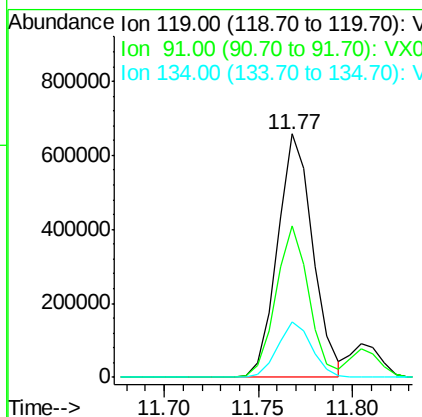
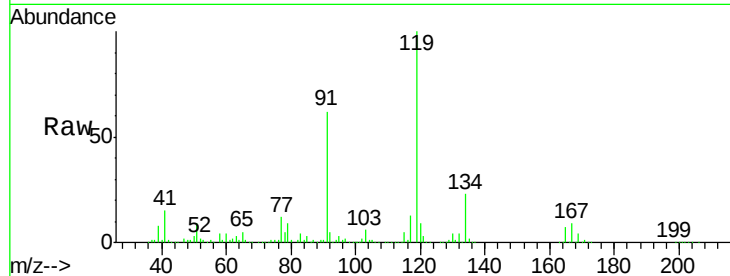
#83
 tert-Butylbenzene
 Concen: 97.557 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX009204.D
 Acq: 29 Apr 2019 13:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
119	100	852411		
91	58.4	29.5	88.5	
134	22.1	11.4	34.1	

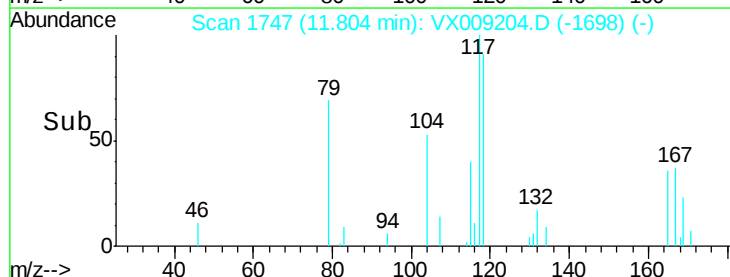
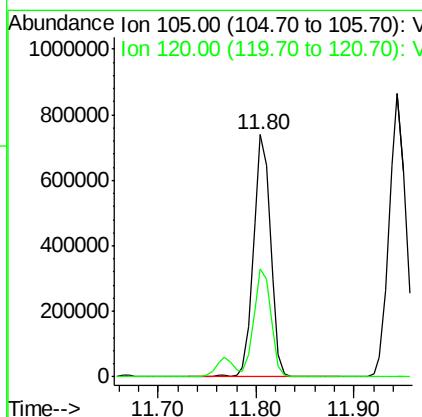
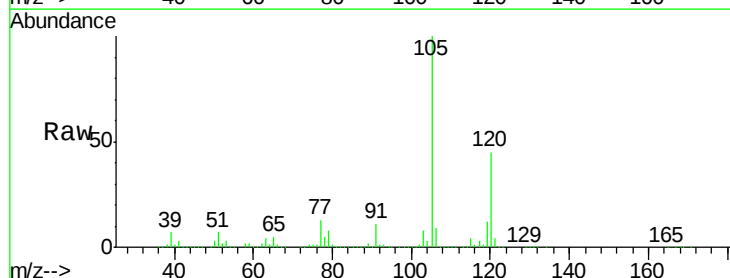
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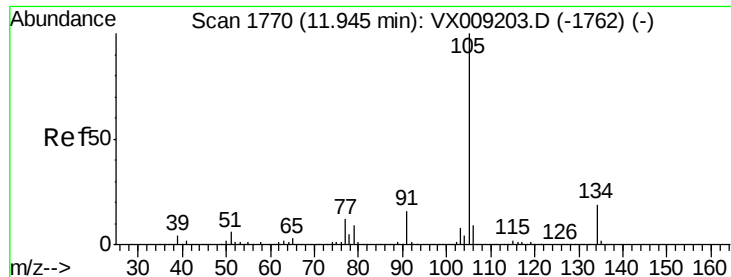
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#84
 1,2,4-Trimethylbenzene
 Concen: 96.634 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX009204.D
 Acq: 29 Apr 2019 13:20

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	893036		
120	44.3	22.0	66.0	





#85

sec-Butylbenzene

Concen: 98.094 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX009204.D

Acq: 29 Apr 2019 13:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1020026

Ion Ratio Lower Upper

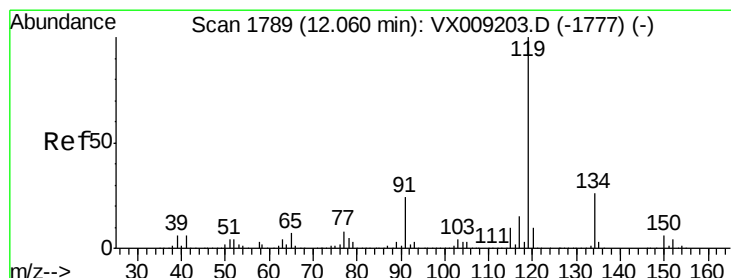
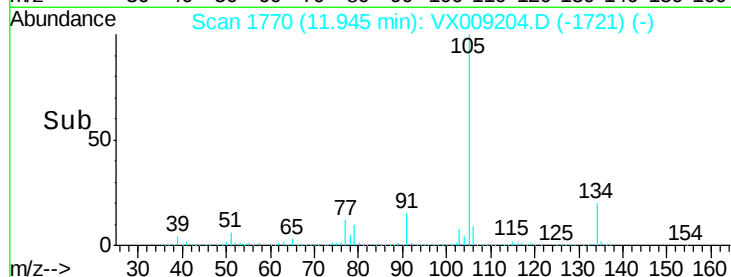
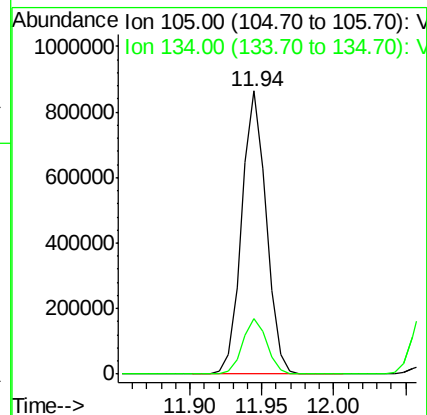
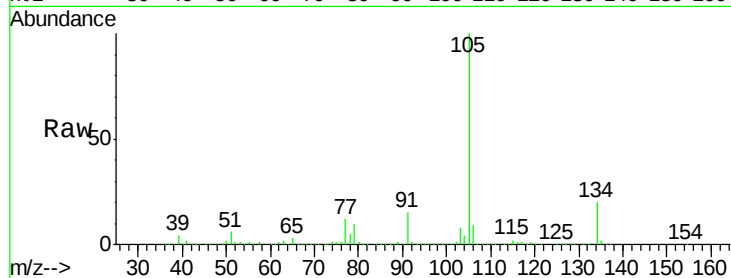
105 100

134 19.4 9.7 28.9

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 97.723 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX009204.D

Acq: 29 Apr 2019 13:20

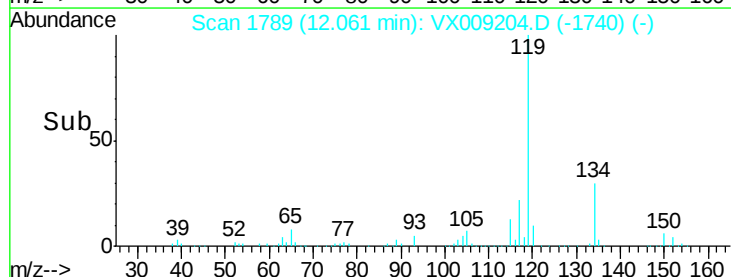
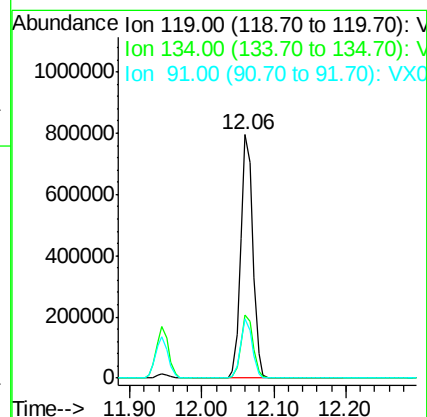
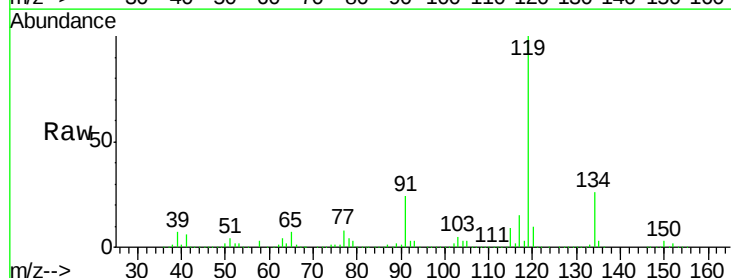
Tgt Ion:119 Resp: 933575

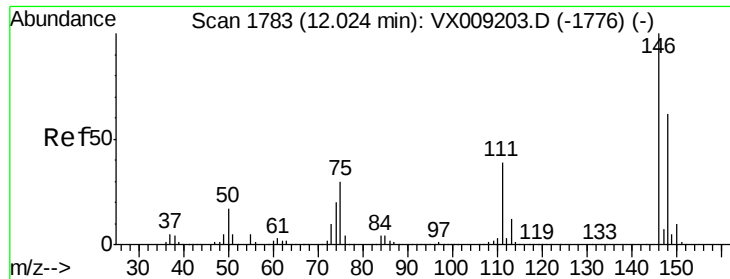
Ion Ratio Lower Upper

119 100

134 26.0 12.9 38.7

91 23.7 11.8 35.4





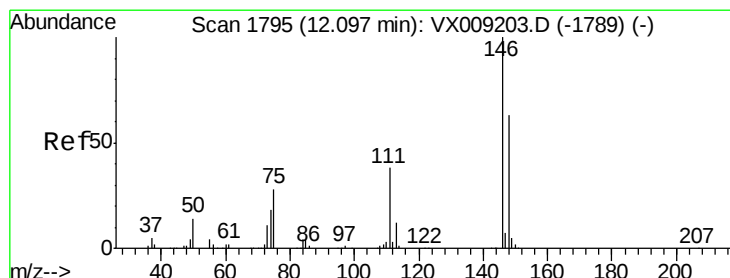
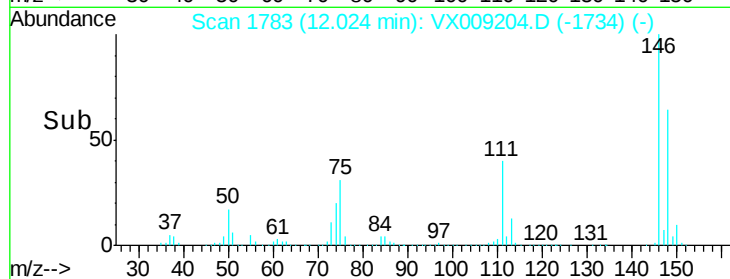
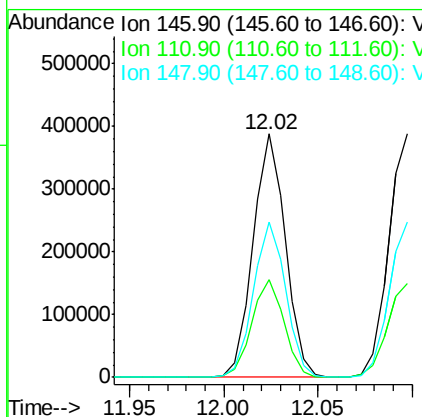
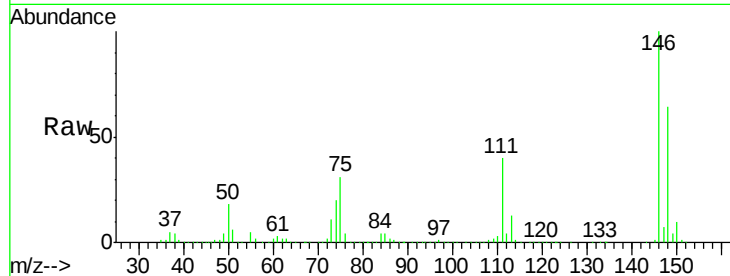
#87
 1,3-Dichlorobenzene
 Concen: 96.238 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX009204.D
 Acq: 29 Apr 2019 13:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.0	59.9
148	63.8	31.8	95.3

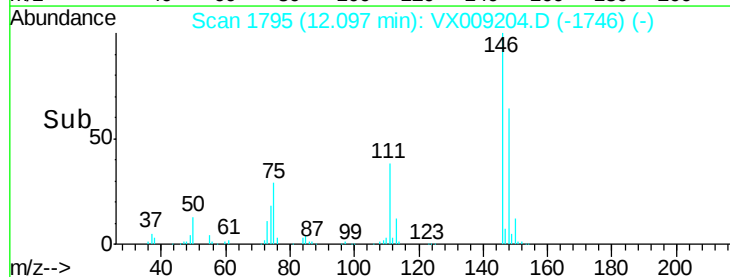
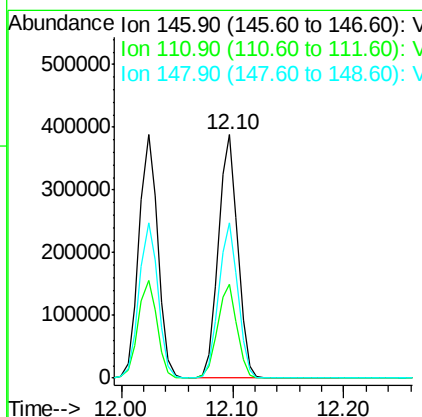
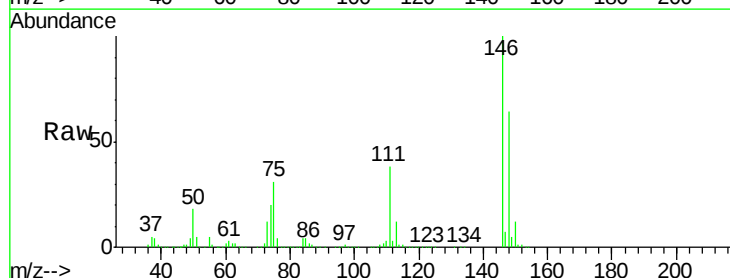
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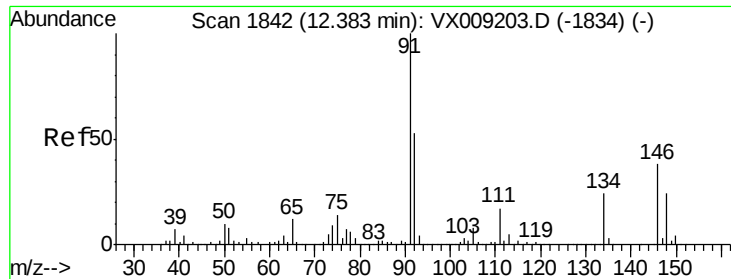
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#88
 1,4-Dichlorobenzene
 Concen: 95.652 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX009204.D
 Acq: 29 Apr 2019 13:20

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.6	58.8
148	63.7	31.8	95.3





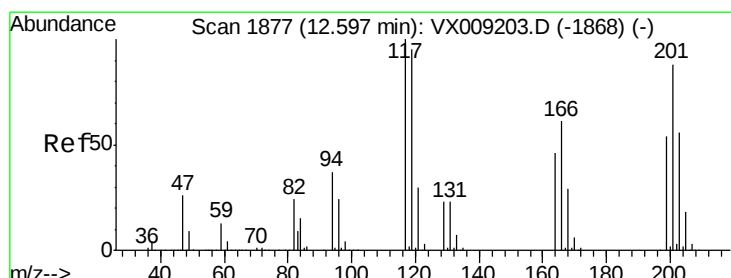
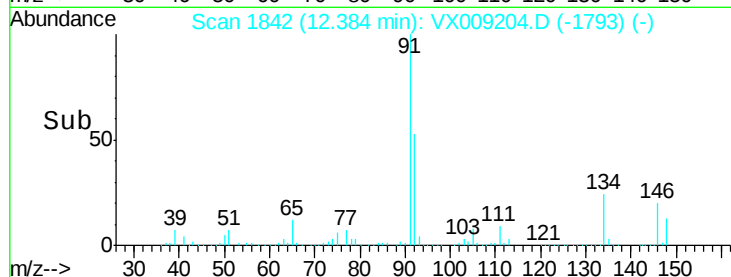
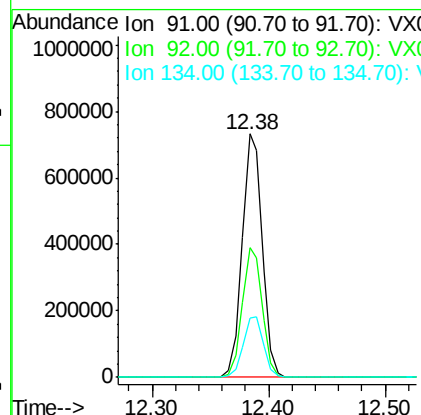
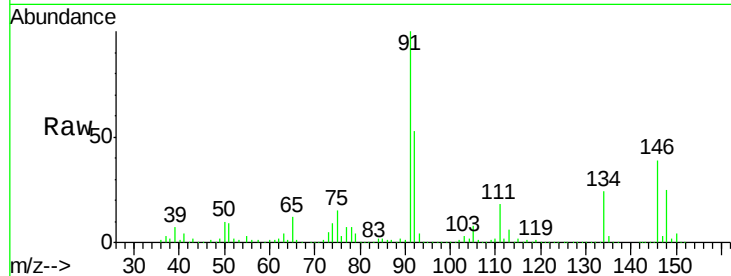
#89
n-Butylbenzene
Concen: 99.044 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX009204.D
Acq: 29 Apr 2019 13:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.5	79.5
134	25.1	12.4	37.2

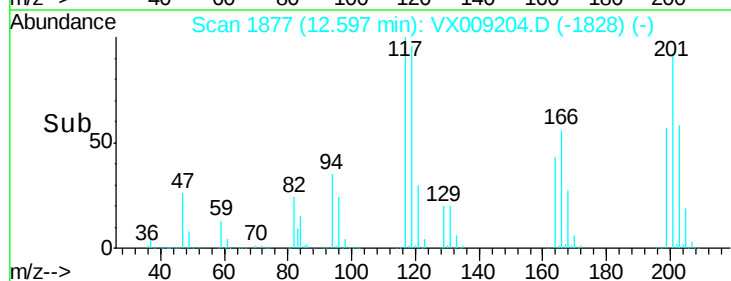
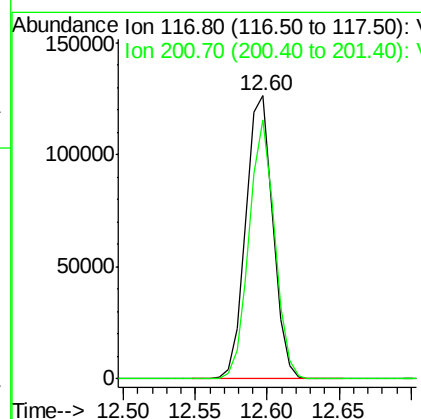
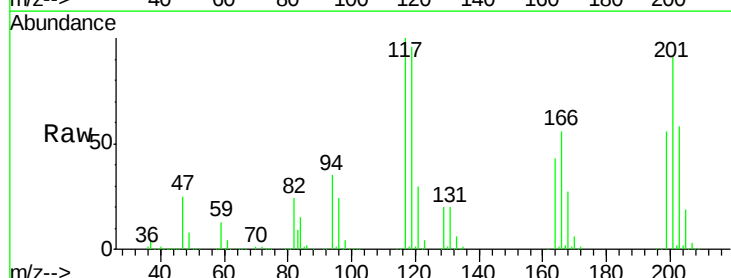
Manual Integrations
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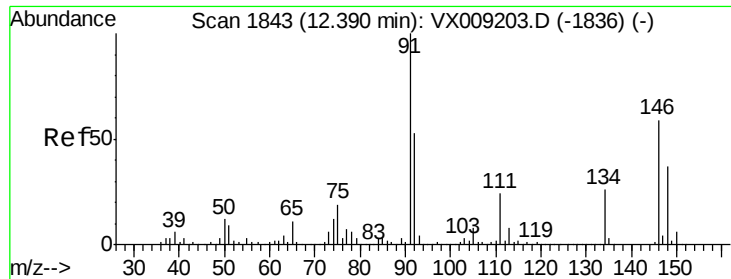
MMDadoda
4/30/2019 11:03:35 AM



#90
Hexachloroethane
Concen: 104.100 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX009204.D
Acq: 29 Apr 2019 13:20

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.1	42.3	126.9





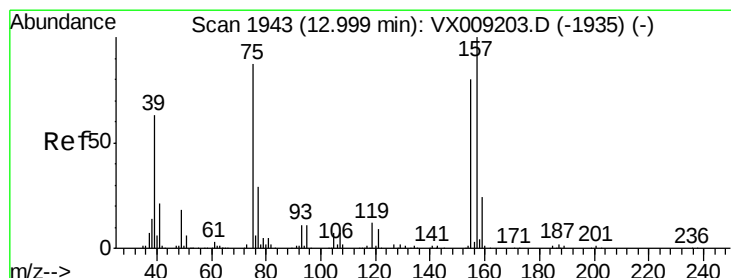
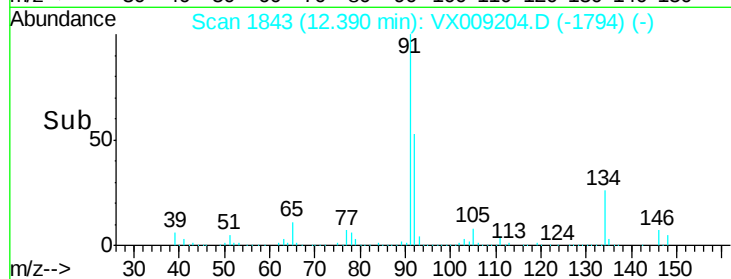
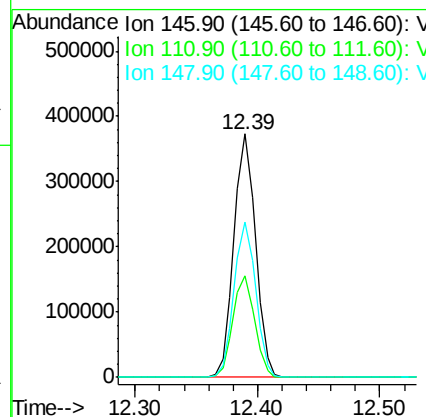
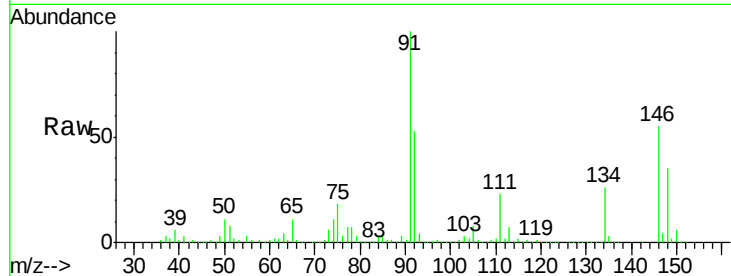
#91
 1,2-Dichlorobenzene
 Concen: 95.634 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX009204.D
 Acq: 29 Apr 2019 13:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.8	62.4
148	64.0	31.9	95.9

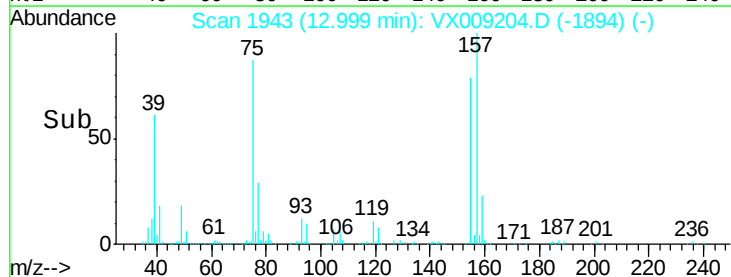
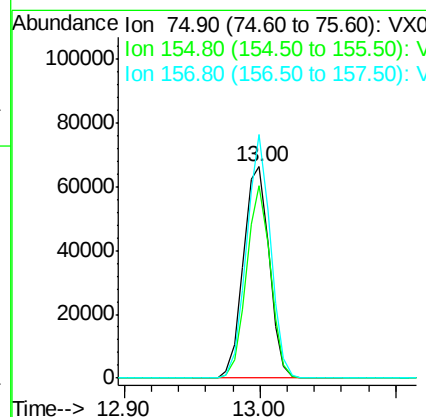
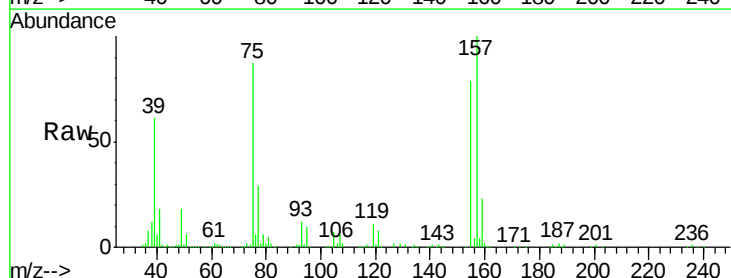
Manual Integrations
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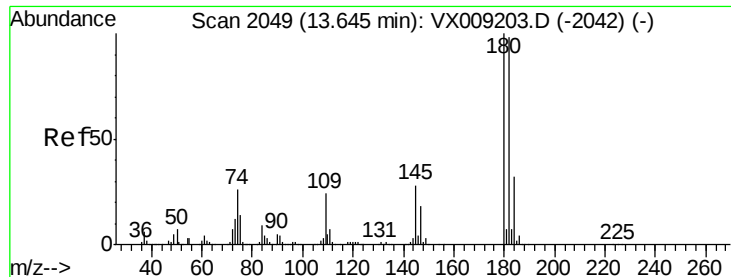
MMDadoda
 4/30/2019 11:03:35 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 96.659 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX009204.D
 Acq: 29 Apr 2019 13:20

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.7	42.0	126.0
157	106.2	53.2	159.6





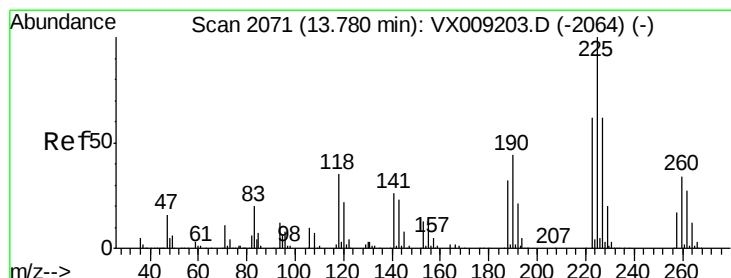
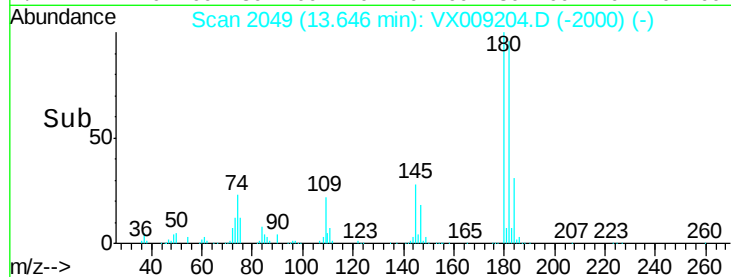
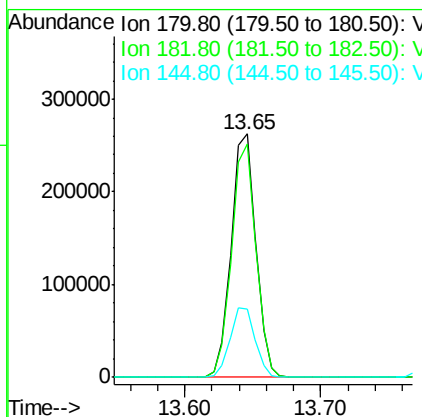
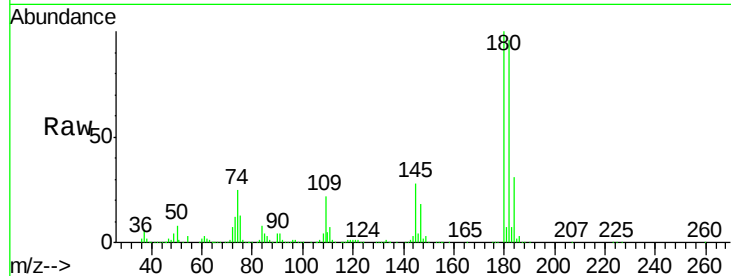
#93
 1,2,4-Trichlorobenzene
 Concen: 96.847 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX009204.D
 Acq: 29 Apr 2019 13:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	330678		
182	95.1	48.4	145.2	
145	29.3	14.6	43.8	

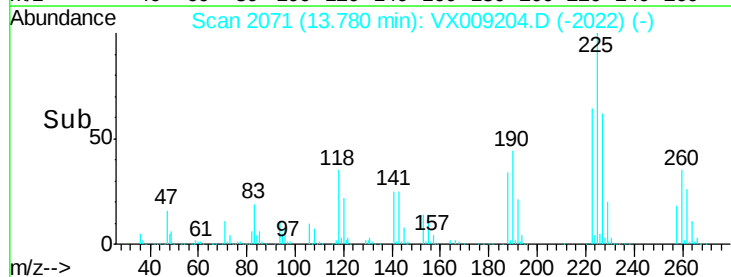
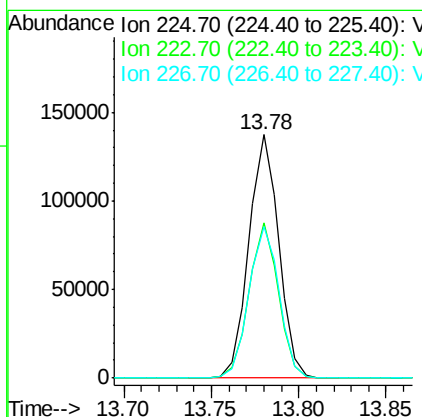
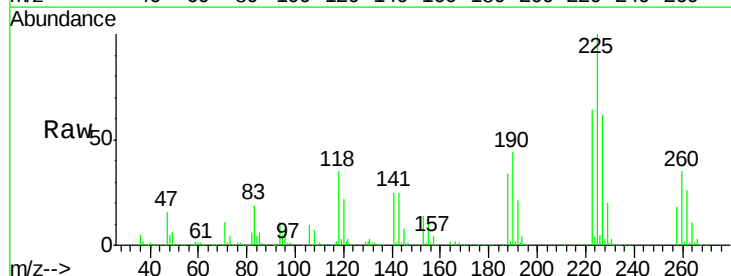
Manual Integrations
 APPROVED

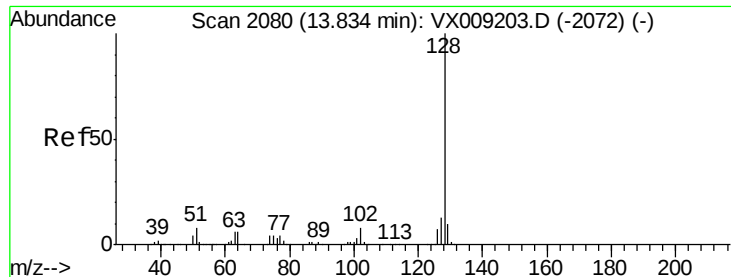
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 4/30/2019 11:03:35 AM



#94
 Hexachlorobutadiene
 Concen: 95.902 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX009204.D
 Acq: 29 Apr 2019 13:20

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	163401		
223	62.8	31.3	93.8	
227	63.1	31.8	95.3	





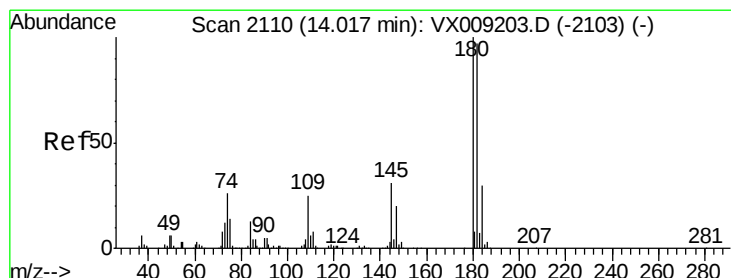
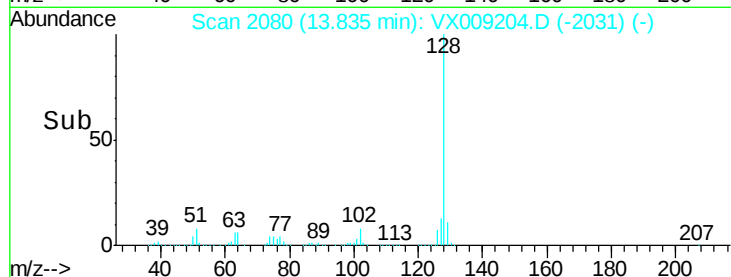
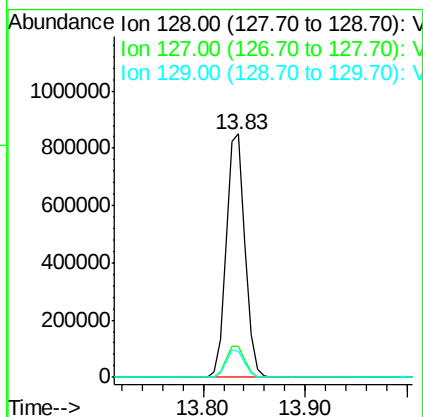
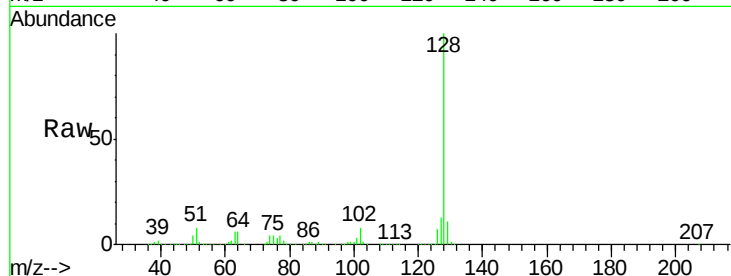
#95
Naphthalene
Concen: 97.184 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX009204.D
Acq: 29 Apr 2019 13:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.4	15.6
129	11.0	8.6	13.0

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 96.176 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX009204.D
Acq: 29 Apr 2019 13:20

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	47.8	143.4
145	31.0	15.4	46.4

