

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042919\
 Data File : VX009205.D
 Acq On : 29 Apr 2019 13:43
 Operator : JC/SP
 Sample : VSTDIC150
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 4/30/2019 11:03:39 AM

Quant Time: Apr 30 06:48:00 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	186055	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	300221	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	279735	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	143069	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	373839	141.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	283.64%	
35) Dibromofluoromethane	5.50	113	279885	144.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	289.46%	
50) Toluene-d8	8.71	98	1136942	147.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	294.16%	
62) 4-Bromofluorobenzene	11.13	95	437942	159.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	319.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	261650	126.794	ug/l	100
3) Chloromethane	1.32	50	345175	132.806	ug/l	100
4) Vinyl Chloride	1.41	62	347879	137.875	ug/l	99
5) Bromomethane	1.64	94	229098	139.312	ug/l	96
6) Chloroethane	1.70	64	220403	147.194	ug/l	99
7) Trichlorofluoromethane	1.91	101	413632	139.559	ug/l	99
8) Diethyl Ether	2.18	74	191048	140.088	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	262386	138.184	ug/l	99
10) Methyl Iodide	2.50	142	323439	172.109	ug/l	97
11) Tert butyl alcohol	3.07	59	438974	749.460	ug/l	100
12) 1,1-Dichloroethene	2.36	96	267458	135.441	ug/l	98
13) Acrolein	2.29	56	396303	785.469	ug/l	99
14) Allyl chloride	2.72	41	636384	147.036	ug/l	100
15) Acrylonitrile	3.15	53	1047986	712.563	ug/l	100
16) Acetone	2.45	43	956184	705.036	ug/l	99
17) Carbon Disulfide	2.56	76	767803	126.204	ug/l	100
18) Methyl Acetate	2.78	43	468168	138.065	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	1016548	143.532	ug/l	100
20) Methylene Chloride	2.85	84	314980	135.458	ug/l	100
21) trans-1,2-Dichloroethene	3.16	96	283813	134.621	ug/l	99
22) Diisopropyl ether	3.86	45	1206523	142.862	ug/l	91
23) Vinyl Acetate	3.82	43	5395096	730.727	ug/l	99
24) 1,1-Dichloroethane	3.69	63	597877	141.333	ug/l	100
25) 2-Butanone	4.68	43	1585051	732.270	ug/l	100
26) 2,2-Dichloropropane	4.58	77	459417	144.806	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	337948	140.634	ug/l	99
28) Bromochloromethane	5.01	49	229313	115.326	ug/l	100
29) Tetrahydrofuran	5.13	42	1018381	703.624	ug/l	100
30) Chloroform	5.21	83	543132	143.389	ug/l	100
31) Cyclohexane	5.57	56	572610	138.395	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	461673	147.247	ug/l	99
36) 1,1-Dichloropropene	5.80	75	426400	138.606	ug/l	99
37) Ethyl Acetate	4.84	43	585901	147.956	ug/l	99
38) Carbon Tetrachloride	5.78	117	390133	148.897	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	532208	142.264	ug/l	100
40) Benzene	6.14	78	1290706	141.757	ug/l	99
41) Methacrylonitrile	5.05	41	333606	146.016	ug/l	99
42) 1,2-Dichloroethane	6.19	62	456554	141.518	ug/l	100
43) Isopropyl Acetate	6.45	43	970338	151.510	ug/l	100
44) Trichloroethene	7.21	130	314227	141.039	ug/l	99
45) 1,2-Dichloropropane	7.51	63	370941	146.613	ug/l	99
46) Dibromomethane	7.66	93	212286	144.335	ug/l	99
47) Bromodichloromethane	7.90	83	438014	151.501	ug/l	99
48) Methyl methacrylate	7.77	41	488153	154.288	ug/l	99
49) 1,4-Dioxane	7.74	88	178200	2945.267	ug/l	100
51) 4-Methyl-2-Pentanone	8.65	43	3116240	760.906	ug/l	99
52) Toluene	8.79	92	786996	143.897	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	532791	160.982	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	566742	152.389	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	321018	147.698	ug/l	95
56) Ethyl methacrylate	9.18	69	618854	158.993	ug/l	100
57) 1,3-Dichloropropane	9.37	76	565566	146.604	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	1582538	752.730	ug/l	99
59) 2-Hexanone	9.49	43	2403040	757.125	ug/l	100
60) Dibromochloromethane	9.59	129	344035	165.176	ug/l	99
61) 1,2-Dibromoethane	9.67	107	333431	149.263	ug/l	100
64) Tetrachloroethene	9.34	164	271862	129.376	ug/l	99
65) Chlorobenzene	10.14	112	839307	142.323	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	312724	150.635	ug/l	99
67) Ethyl Benzene	10.25	91	1537212	142.757	ug/l	99
68) m/p-Xylenes	10.36	106	1141947	290.967	ug/l	100
69) o-Xylene	10.70	106	557129	145.895	ug/l	100
70) Styrene	10.71	104	1004774	151.500	ug/l	99
71) Bromoform	10.86	173	275139	166.002	ug/l #	100
73) Isopropylbenzene	11.02	105	1495994	138.818	ug/l	99
74) N-amyl acetate	10.90	43	911028	146.458	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	546927	138.090	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	449408m	129.148	ug/l	
77) Bromobenzene	11.26	156	375656	138.109	ug/l	99
78) n-propylbenzene	11.36	91	1768449	143.264	ug/l	99
79) 2-Chlorotoluene	11.42	91	1041906	139.706	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	1293429	142.927	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	210911	157.104	ug/l	97
82) 4-Chlorotoluene	11.51	91	1222139	141.215	ug/l	100
83) tert-Butylbenzene	11.77	119	1278068	146.637	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	1300331	141.057	ug/l	99
85) sec-Butylbenzene	11.94	105	1501904	144.795	ug/l	100
86) p-Isopropyltoluene	12.06	119	1374002	144.183	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	681919	142.671	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	682433	140.772	ug/l	99
89) n-Butylbenzene	12.38	91	1302313	147.597	ug/l	100
90) Hexachloroethane	12.60	117	241736	153.611	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	674901	142.274	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	130908	144.477	ug/l	99

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VSTDICC150

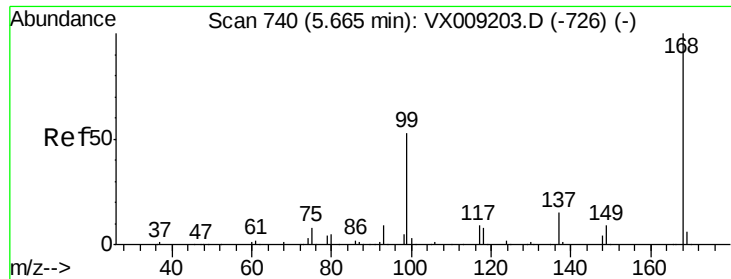
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	493947	145.025	ug/l	99
94) Hexachlorobutadiene	13.78	225	242541	142.704	ug/l	99
95) Naphthalene	13.83	128	1594664	145.616	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	489714	145.063	ug/l	100

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



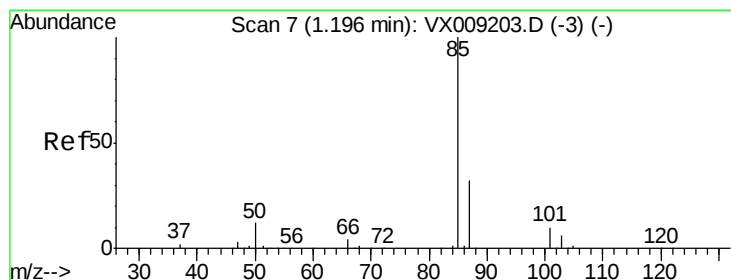
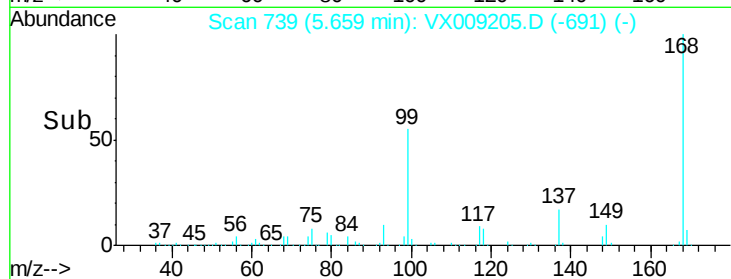
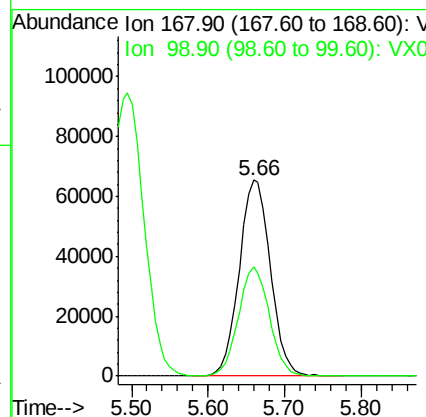
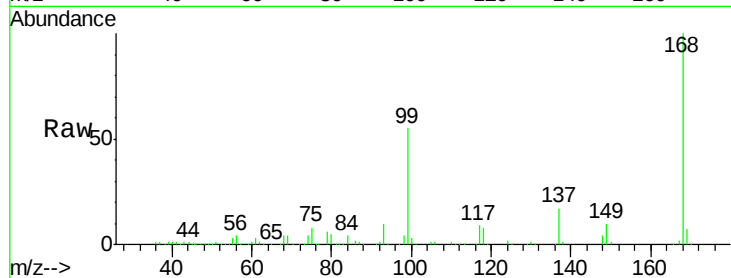
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.01 min
Lab File: VX009205.D
Acq: 29 Apr 2019 13:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
168	100	186055		
99	55.3	42.3	63.5	

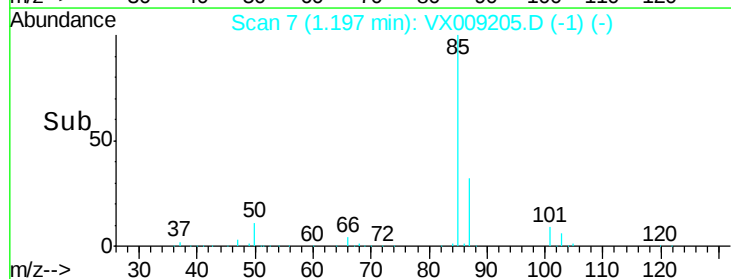
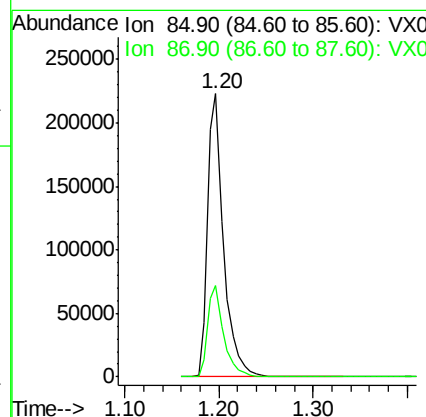
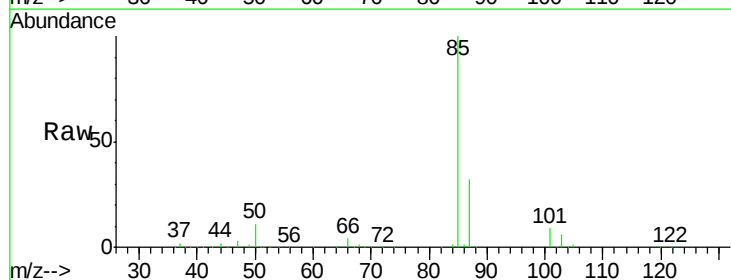
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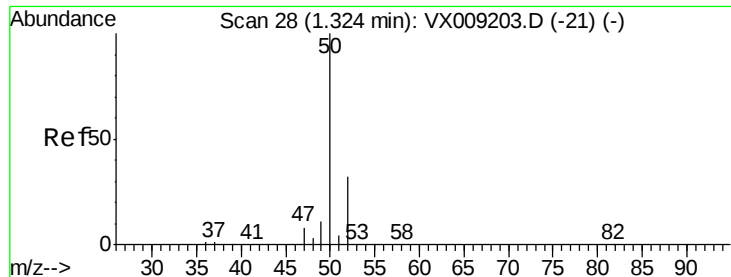
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#2
Dichlorodifluoromethane
Concen: 126.794 ug/l
RT: 1.20 min Scan# 7
Delta R.T. 0.00 min
Lab File: VX009205.D
Acq: 29 Apr 2019 13:43

Tgt Ion	Ratio	Resp	Lower	Upper
85	100	261650		
87	32.2	16.1	48.3	





#3

Chloromethane

Concen: 132.806 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009205.D

Acq: 29 Apr 2019 13:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 345175

Ion Ratio Lower Upper

50 100

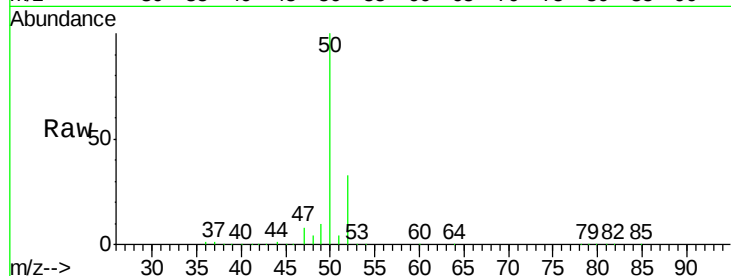
52 32.5 25.9 38.9

Manual Integrations

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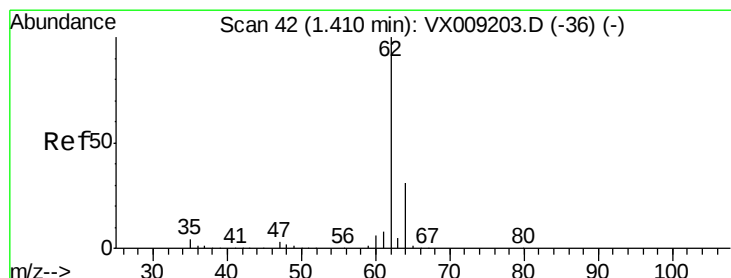
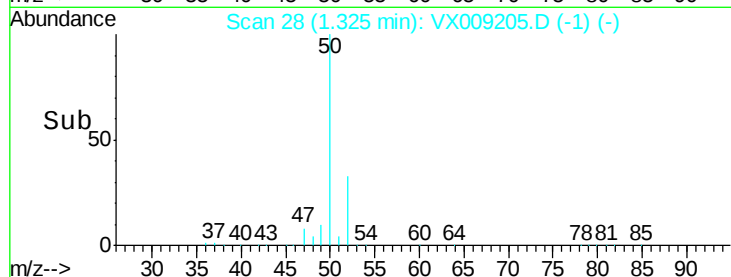
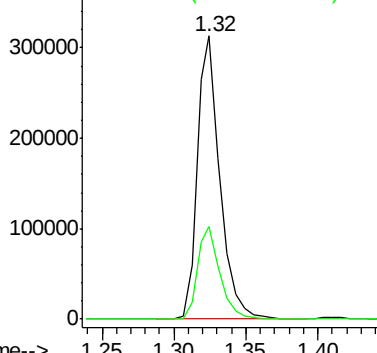
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 137.875 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX009205.D

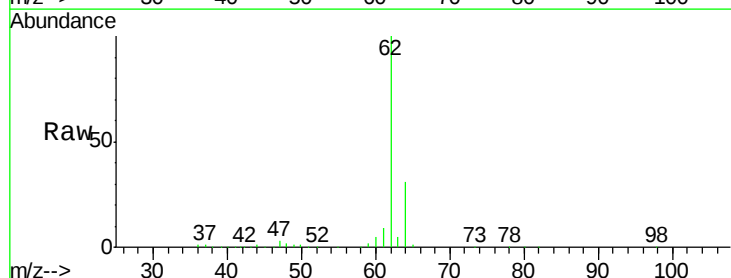
Acq: 29 Apr 2019 13:43

Tgt Ion: 62 Resp: 347879

Ion Ratio Lower Upper

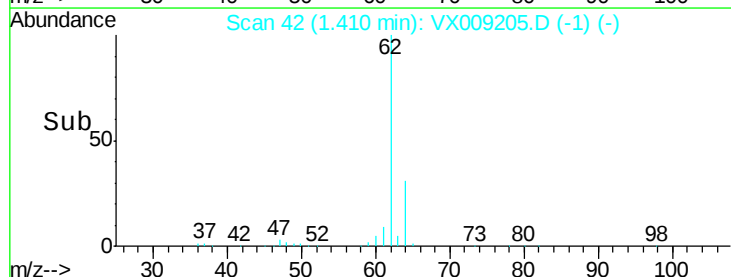
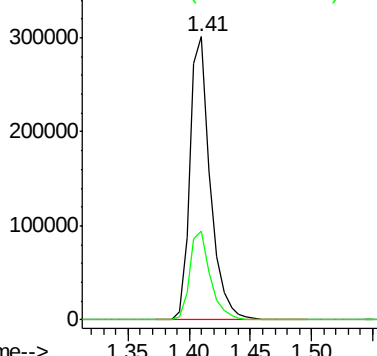
62 100

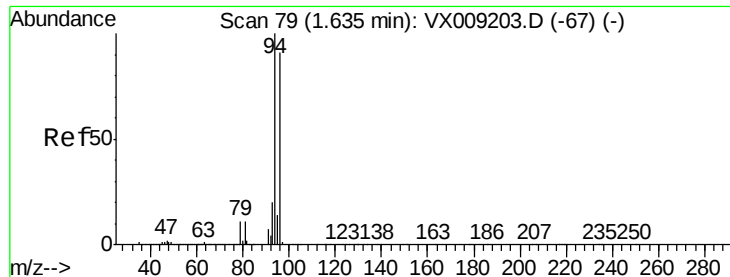
64 31.3 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 139.312 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009205.D

Acq: 29 Apr 2019 13:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 229098

Ion Ratio Lower Upper

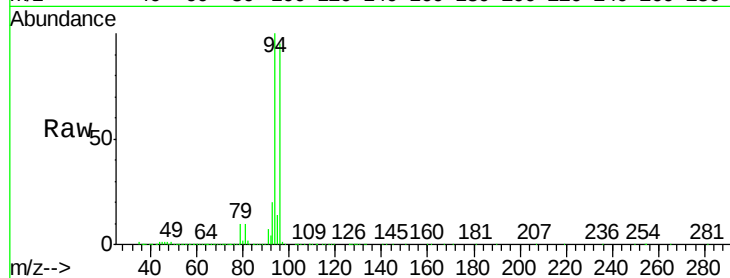
94 100

96 95.5 73.0 109.6

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

200000

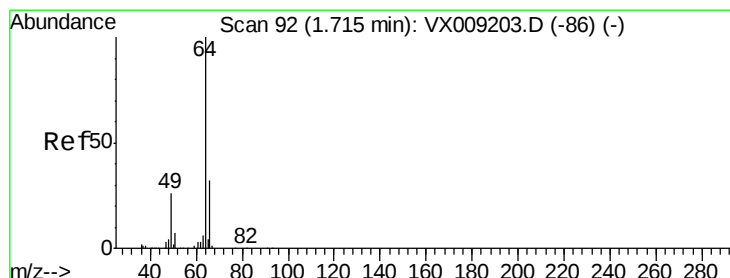
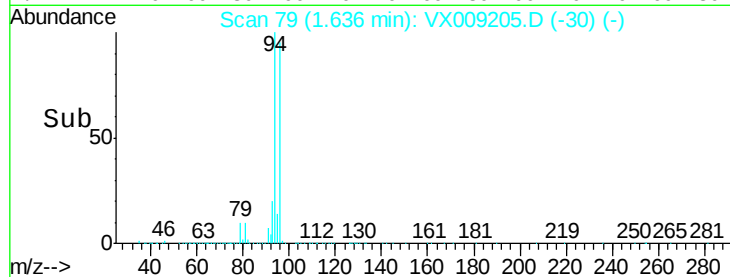
150000

100000

50000

0

Time--> 1.55 1.60 1.65 1.70 1.75



#6

Chloroethane

Concen: 147.194 ug/l

RT: 1.70 min Scan# 90

Delta R.T. -0.01 min

Lab File: VX009205.D

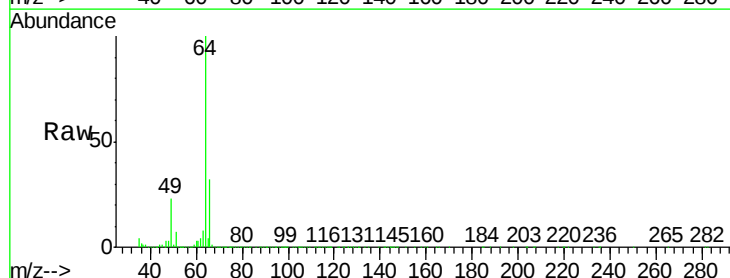
Acq: 29 Apr 2019 13:43

Tgt Ion: 64 Resp: 220403

Ion Ratio Lower Upper

64 100

66 32.2 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.70

200000

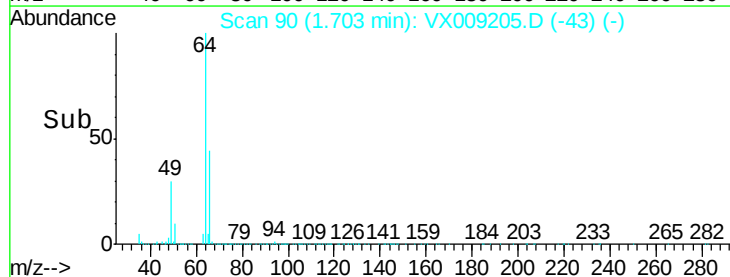
150000

100000

50000

0

Time--> 1.65 1.70 1.75 1.80





#7

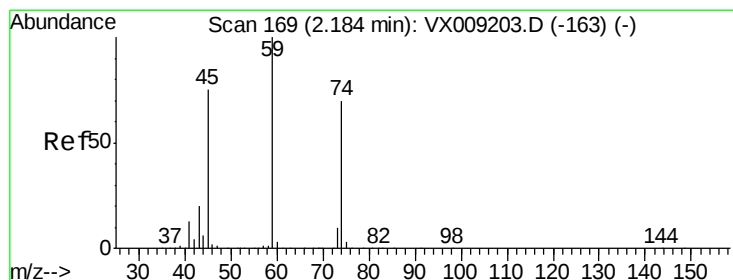
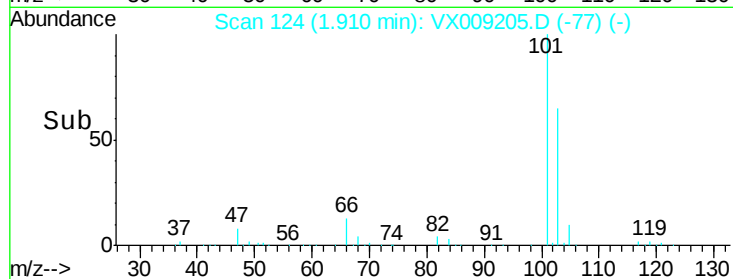
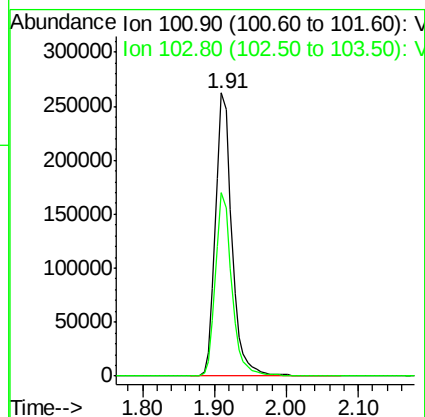
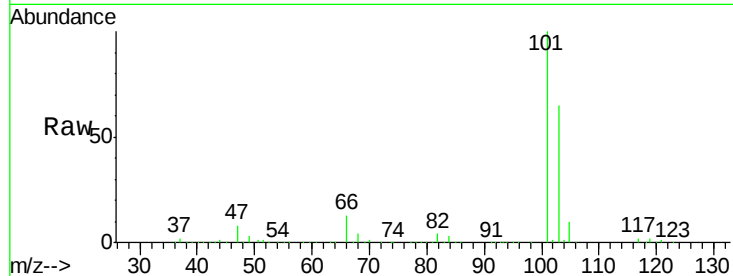
Trichlorofluoromethane
Concen: 139.559 ug/l
RT: 1.91 min Scan# 124
Delta R.T. -0.01 min
Lab File: VX009205.D
Acq: 29 Apr 2019 13:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion:101 Resp: 413632
Ion Ratio Lower Upper
101 100
103 64.8 52.4 78.6

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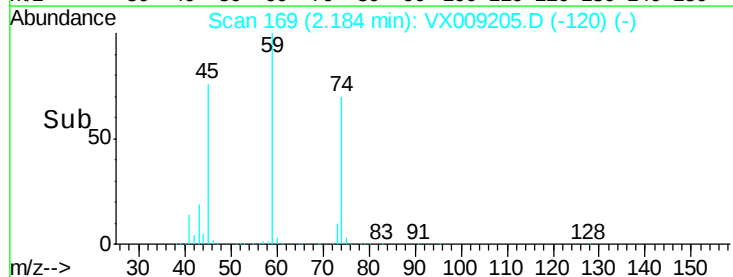
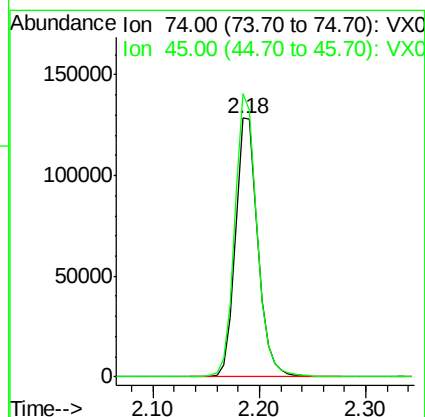
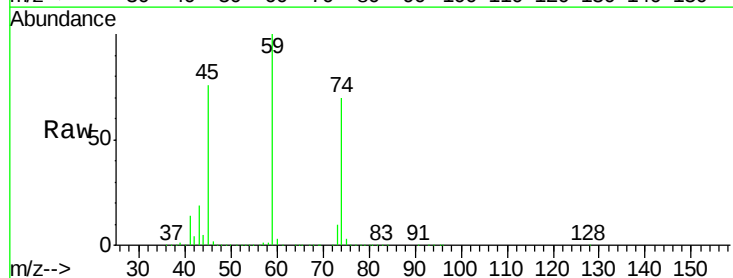
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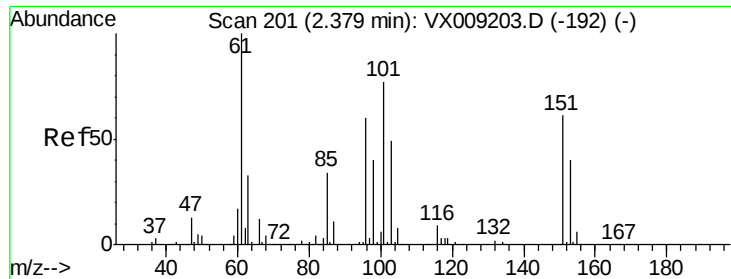


#8

Diethyl Ether
Concen: 140.088 ug/l
RT: 2.18 min Scan# 169
Delta R.T. 0.00 min
Lab File: VX009205.D
Acq: 29 Apr 2019 13:43

Tgt Ion: 74 Resp: 191048
Ion Ratio Lower Upper
74 100
45 108.6 53.3 159.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 138.184 ug/l

RT: 2.37 min Scan# 200

Delta R.T. -0.01 min

Lab File: VX009205.D

Acq: 29 Apr 2019 13:43

Instrument :

MSVOA_X

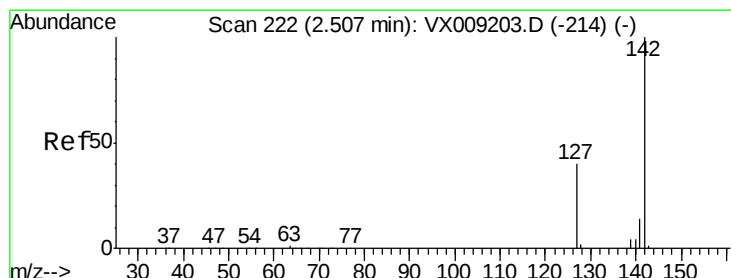
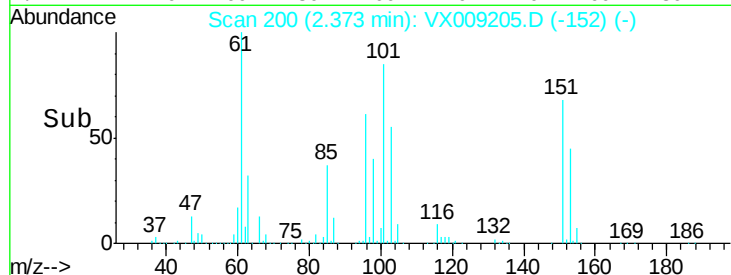
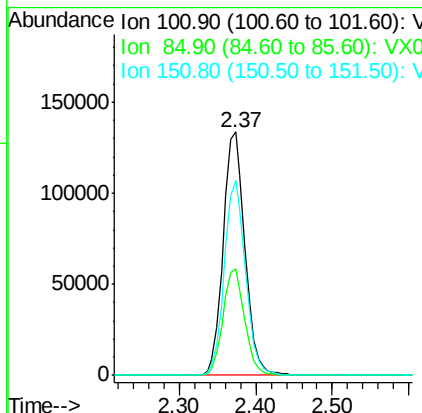
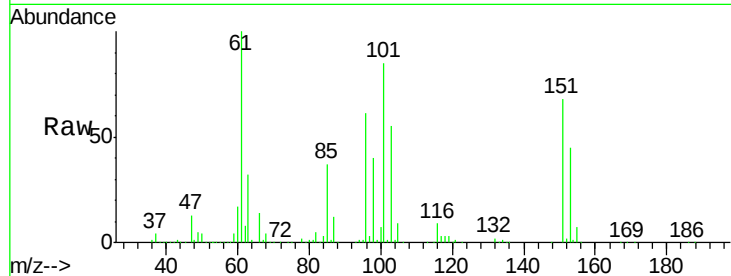
ClientSampleId :

VSTDIC150

Tot Ion:	101	Resp:	262386
Ion Ratio	Lower	Upper	
101	100		
85	43.8	35.7	53.5
151	78.5	62.2	93.2

Manual Integrations
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#10

Methyl Iodide

Concen: 172.109 ug/l

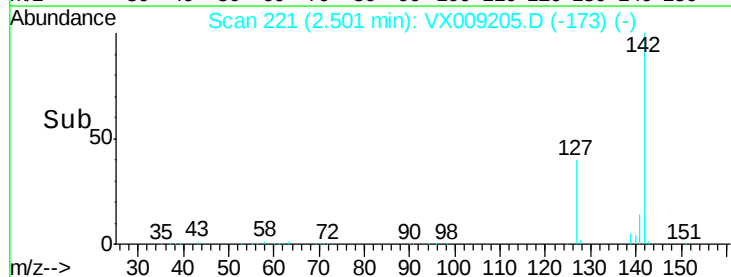
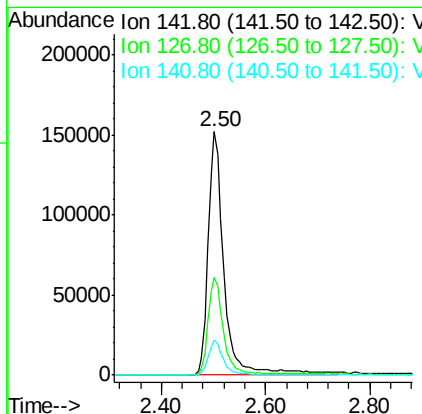
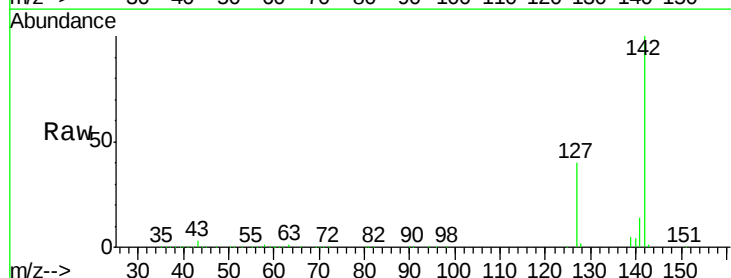
RT: 2.50 min Scan# 221

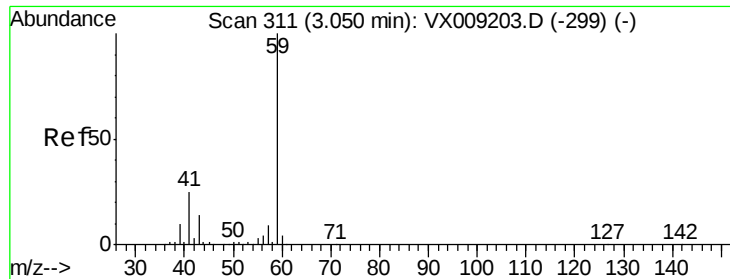
Delta R.T. -0.01 min

Lab File: VX009205.D

Acq: 29 Apr 2019 13:43

Tgt Ion:	142	Resp:	323439
Ion Ratio	Lower	Upper	
142	100		
127	38.6	32.7	49.1
141	13.5	11.5	17.3





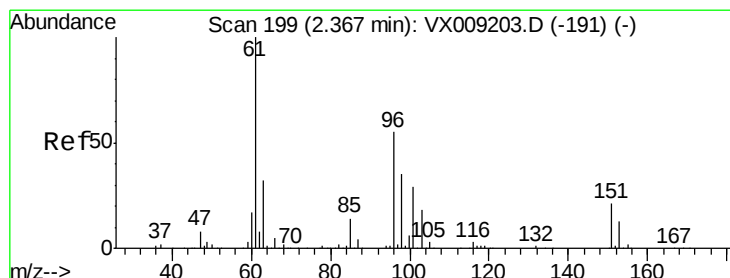
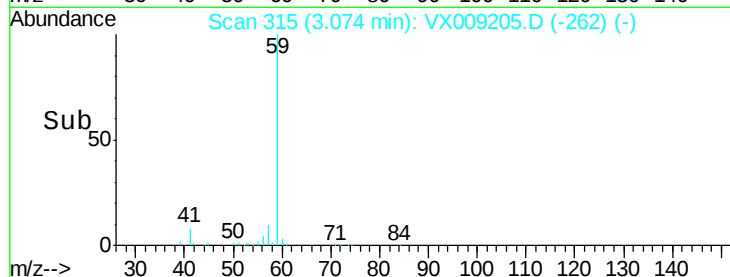
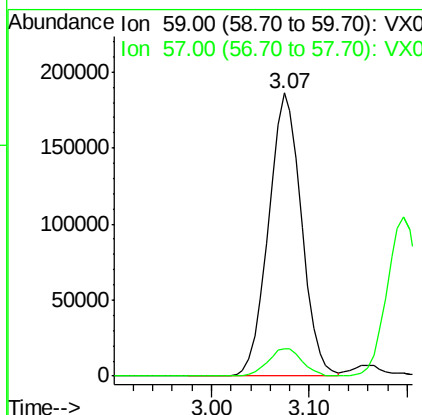
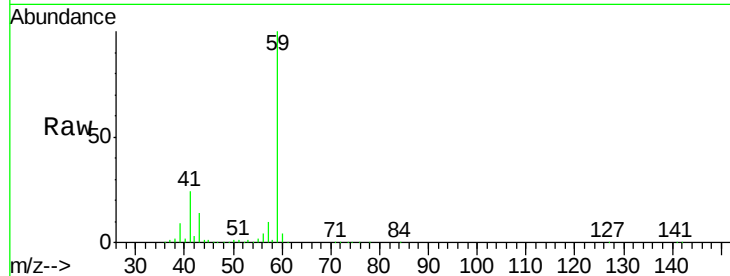
#11
Tert butyl alcohol
Concen: 749.460 ug/l
RT: 3.07 min Scan# 315
Delta R.T. 0.02 min
Lab File: VX009205.D
Acq: 29 Apr 2019 13:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 59 Resp: 438974
Ion Ratio Lower Upper
59 100
57 10.3 8.2 12.2

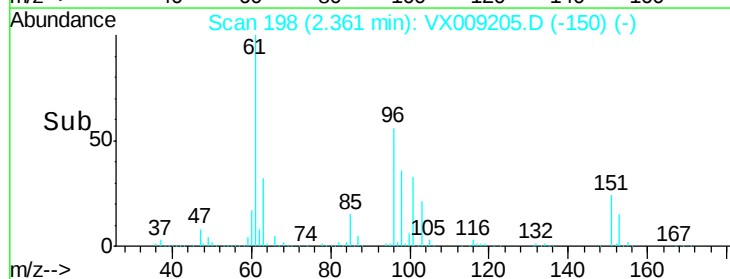
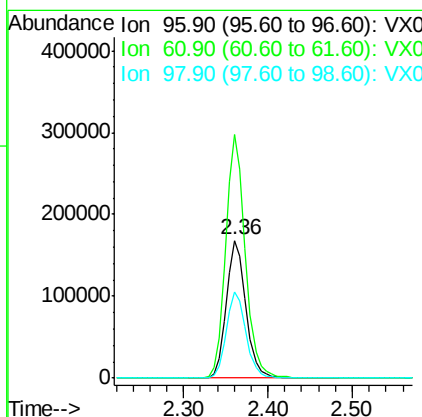
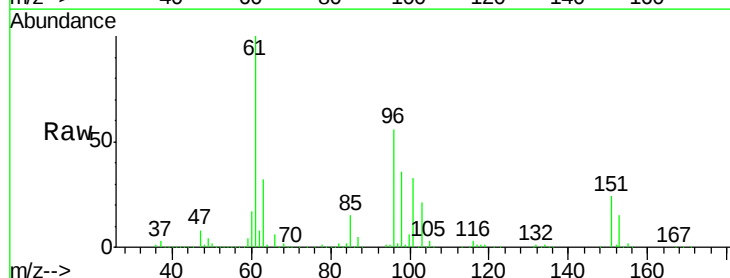
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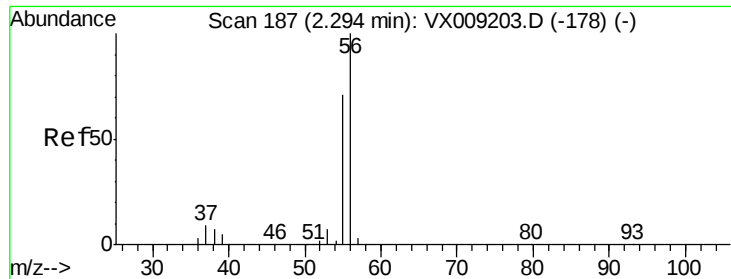
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#12
1,1-Dichloroethene
Concen: 135.441 ug/l
RT: 2.36 min Scan# 198
Delta R.T. -0.01 min
Lab File: VX009205.D
Acq: 29 Apr 2019 13:43

Tgt Ion: 96 Resp: 267458
Ion Ratio Lower Upper
96 100
61 177.0 144.3 216.5
98 62.9 50.3 75.5





#13

Acrolein

Concen: 785.469 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX009205.D

Acq: 29 Apr 2019 13:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 396303

Ion Ratio Lower Upper

56 100

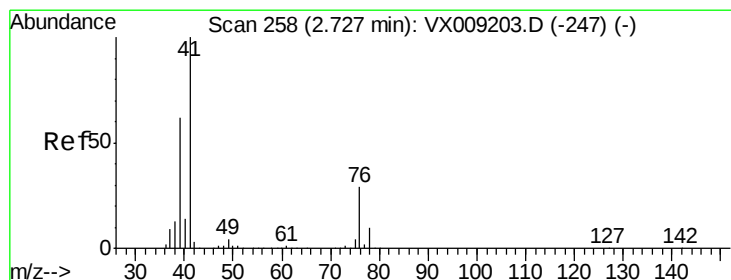
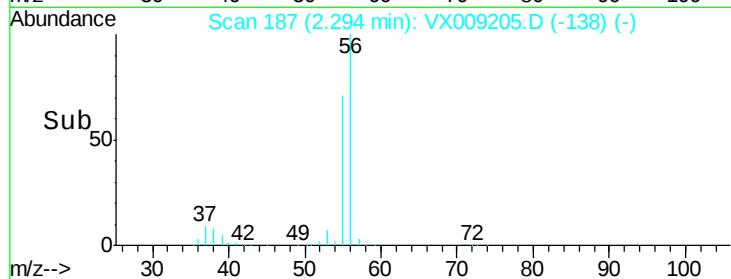
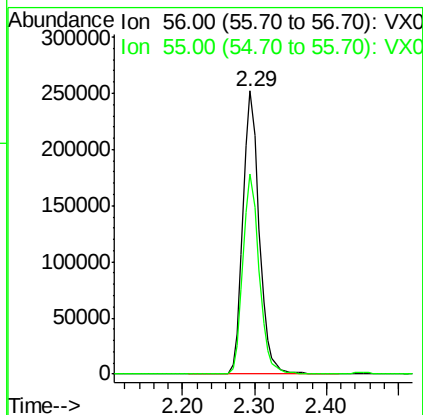
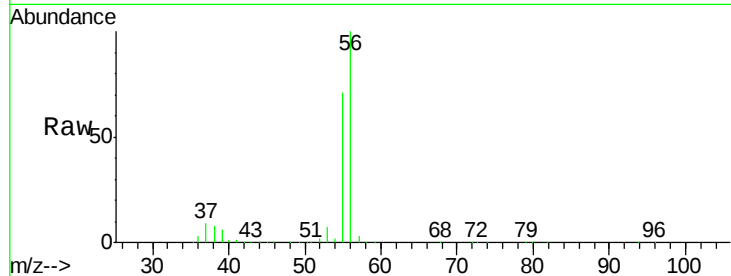
55 70.4 56.6 85.0

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#14

Allyl chloride

Concen: 147.036 ug/l

RT: 2.72 min Scan# 257

Delta R.T. -0.01 min

Lab File: VX009205.D

Acq: 29 Apr 2019 13:43

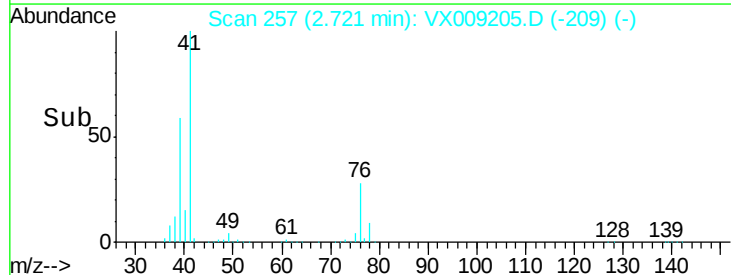
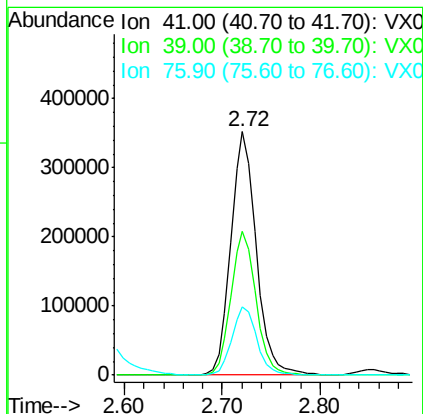
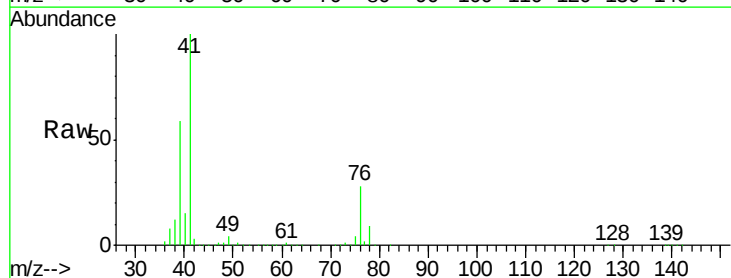
Tgt Ion: 41 Resp: 636384

Ion Ratio Lower Upper

41 100

39 58.1 46.7 70.1

76 27.5 21.8 32.8





#15

Acrylonitrile

Concen: 712.563 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.01 min

Lab File: VX009205.D

Acq: 29 Apr 2019 13:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 53 Resp: 1047986

Ion Ratio Lower Upper

53 100

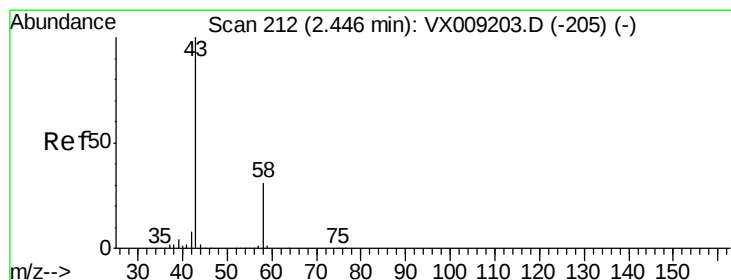
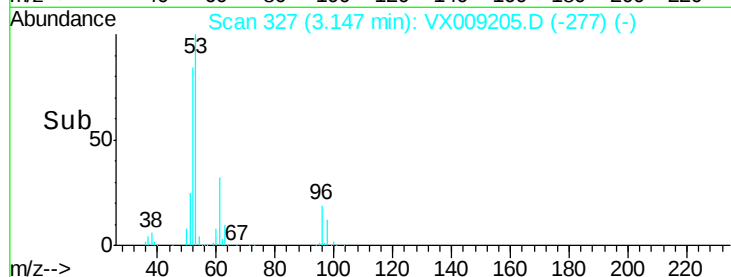
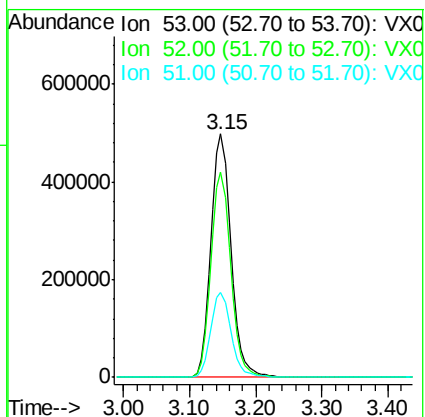
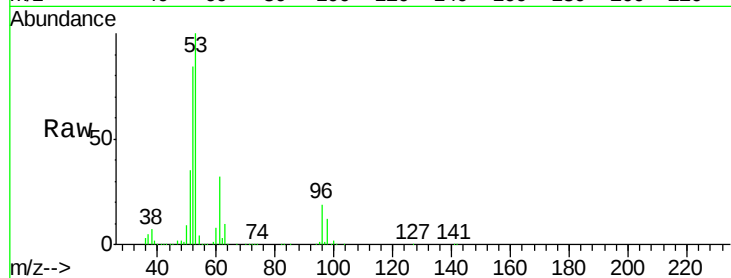
52 83.3 66.9 100.3

51 35.5 28.2 42.2

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#16

Acetone

Concen: 705.036 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX009205.D

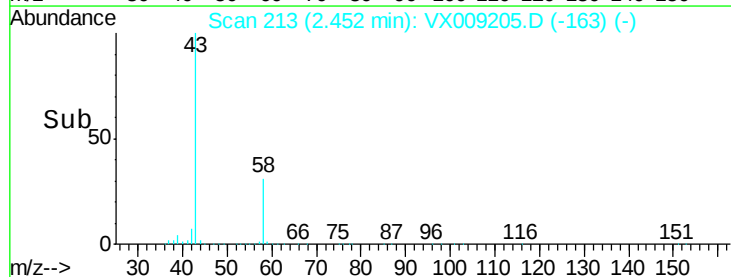
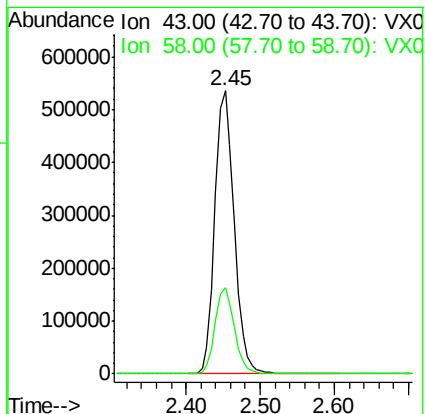
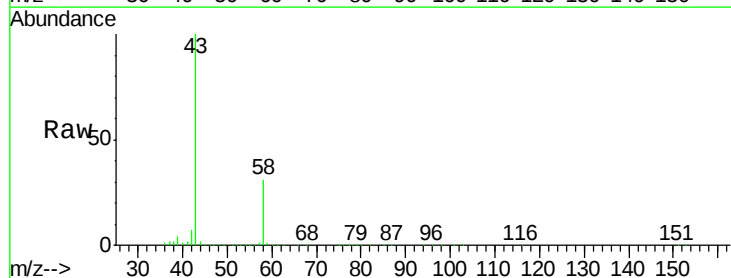
Acq: 29 Apr 2019 13:43

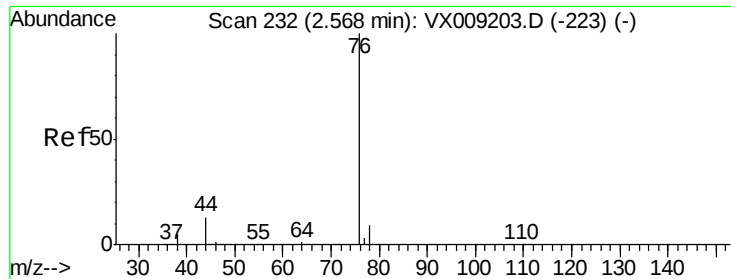
Tgt Ion: 43 Resp: 956184

Ion Ratio Lower Upper

43 100

58 30.5 24.9 37.3





#17

Carbon Disulfide

Concen: 126.204 ug/l

RT: 2.56 min Scan# 231

Delta R.T. -0.01 min

Lab File: VX009205.D

Acq: 29 Apr 2019 13:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 76 Resp: 767803

Ion Ratio Lower Upper

76 100

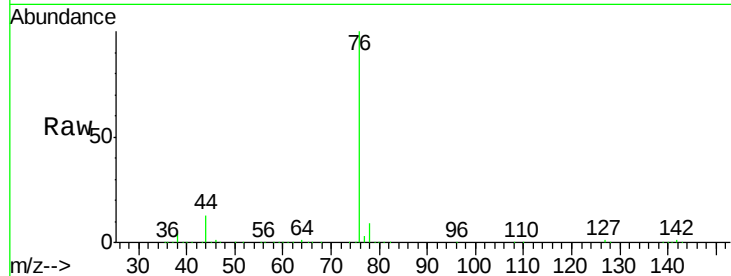
78 9.2 7.4 11.0

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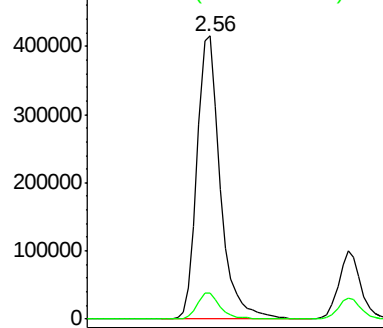
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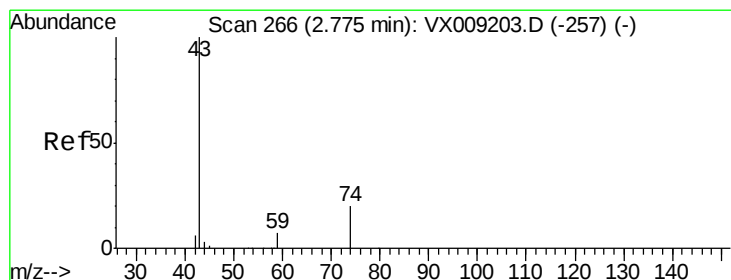
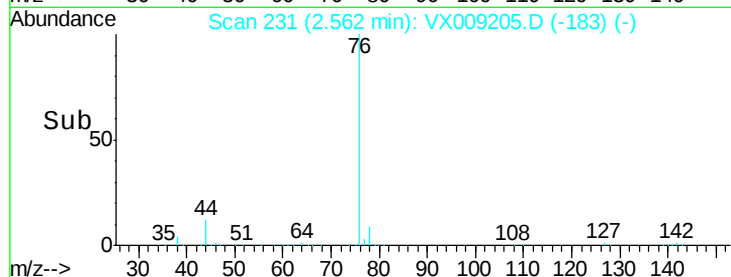


Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



Time-->



#18

Methyl Acetate

Concen: 138.065 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX009205.D

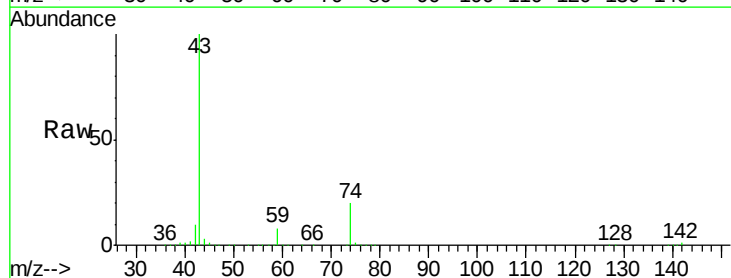
Acq: 29 Apr 2019 13:43

Tgt Ion: 43 Resp: 468168

Ion Ratio Lower Upper

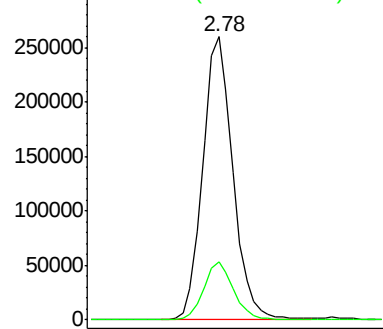
43 100

74 19.8 16.2 24.4

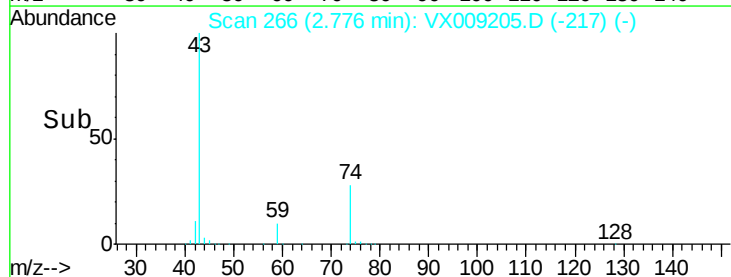


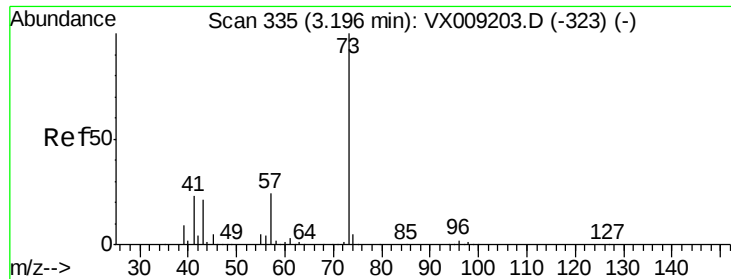
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



Time-->





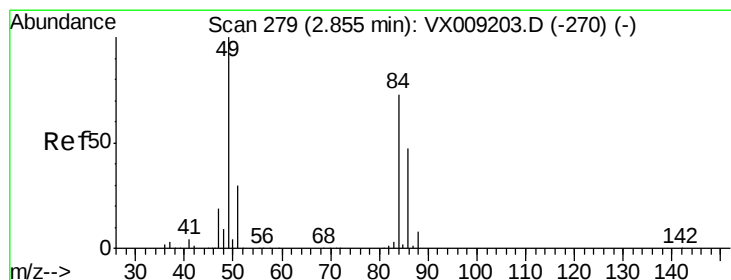
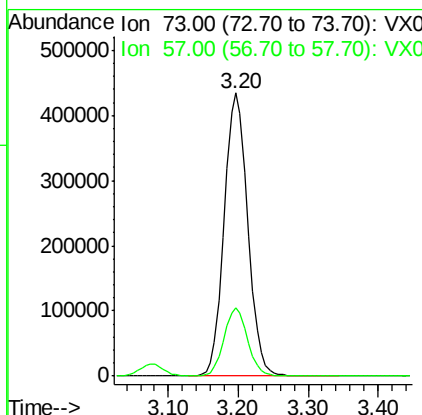
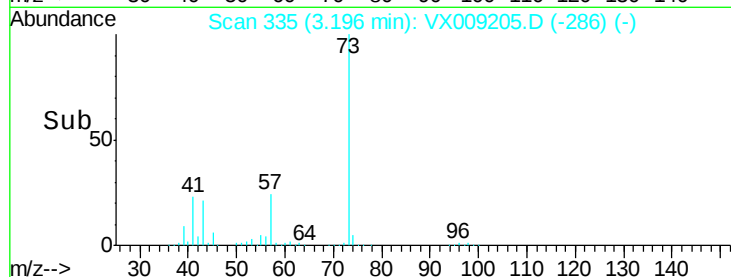
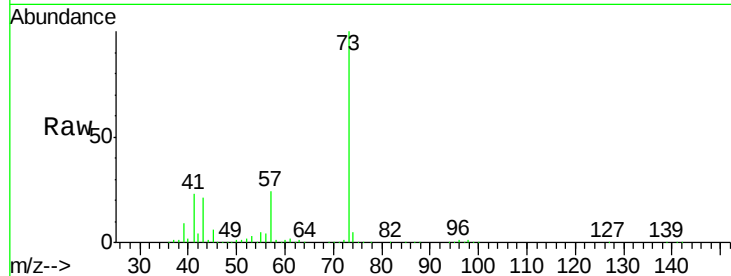
#19
Methvl tert-butvl Ether
Concen: 143.532 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX009205.D
Acq: 29 Apr 2019 13:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 73 Resp: 1016548
Ion Ratio Lower Upper
73 100
57 24.1 19.3 28.9

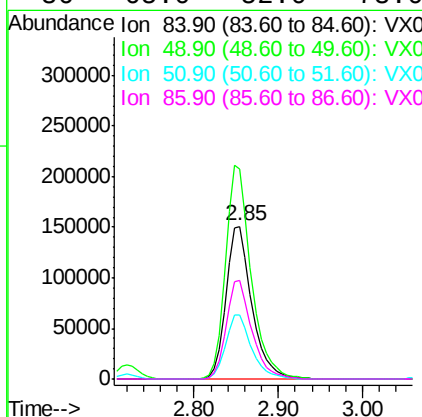
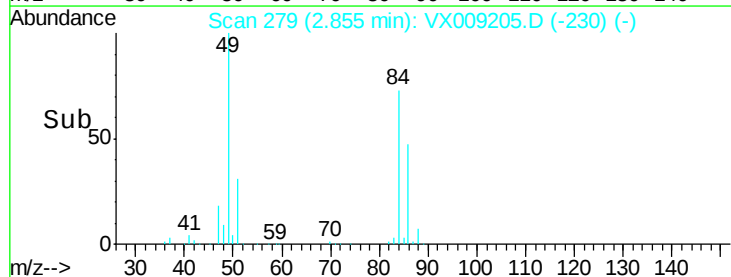
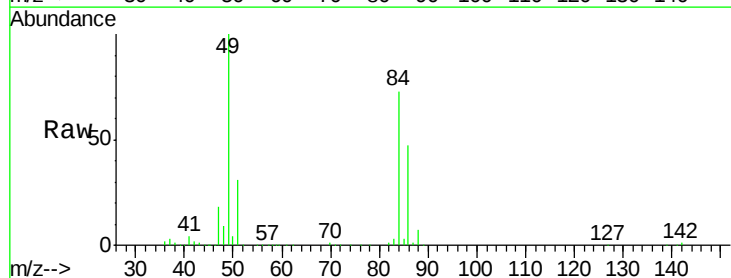
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#20
Methylene Chloride
Concen: 135.458 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX009205.D
Acq: 29 Apr 2019 13:43

Tgt Ion: 84 Resp: 314980
Ion Ratio Lower Upper
84 100
49 137.5 109.9 164.9
51 42.2 32.7 49.1
86 65.0 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 134.621 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX009205.D

Acq: 29 Apr 2019 13:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 96 Resp: 283813

Ion Ratio Lower Upper

96 100

61 155.0 124.5 186.7

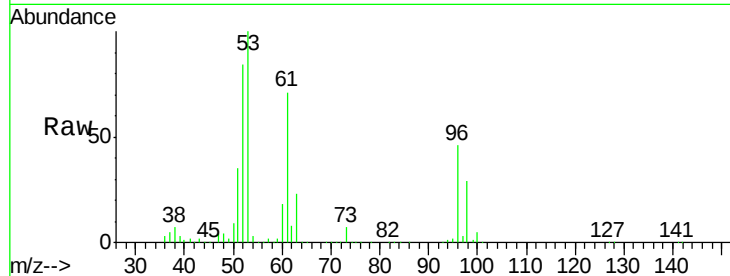
98 63.9 50.4 75.6

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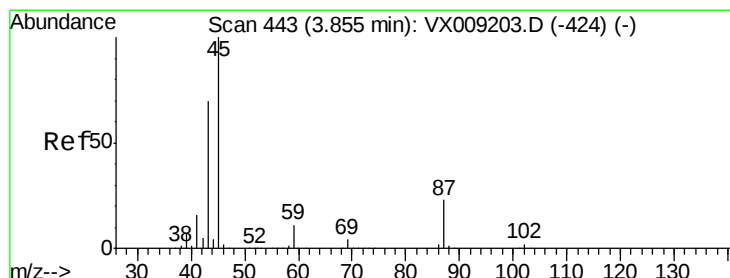
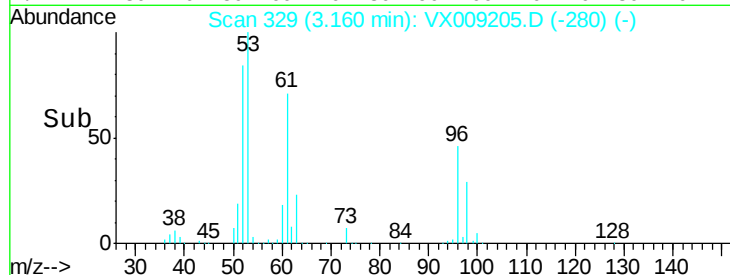
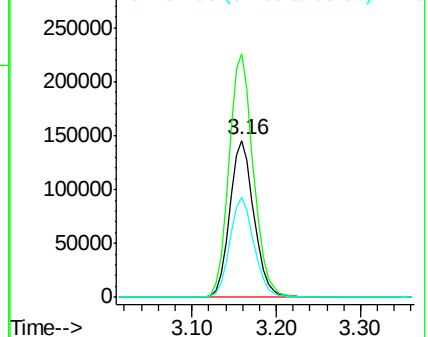


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 142.862 ug/l

RT: 3.86 min Scan# 444

Delta R.T. 0.01 min

Lab File: VX009205.D

Acq: 29 Apr 2019 13:43

Tgt Ion: 45 Resp: 1206523

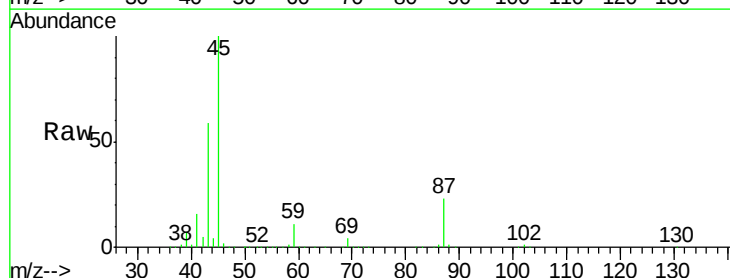
Ion Ratio Lower Upper

45 100

43 59.4 56.1 84.1

87 23.2 18.1 27.1

59 10.7 8.5 12.7



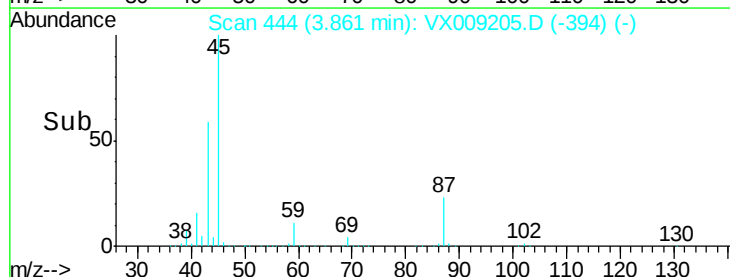
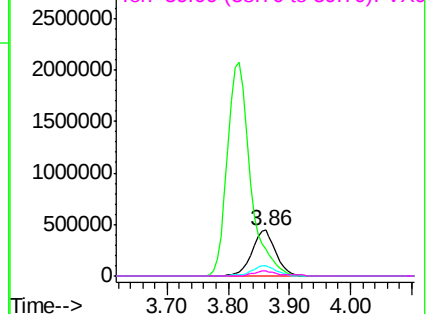
Abundance

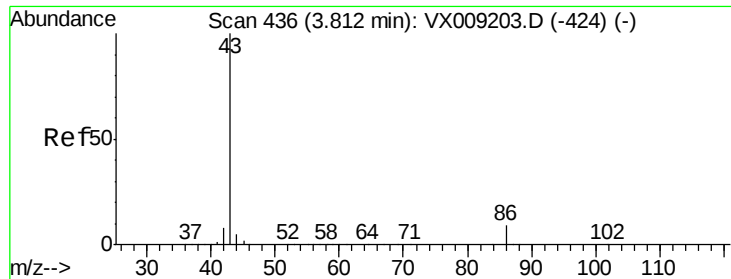
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 730.727 ug/l

RT: 3.82 min Scan# 437

Delta R.T. 0.01 min

Lab File: VX009205.D

Acq: 29 Apr 2019 13:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tot Ion: 43 Resp: 5395096

Ion Ratio Lower Upper

43 100

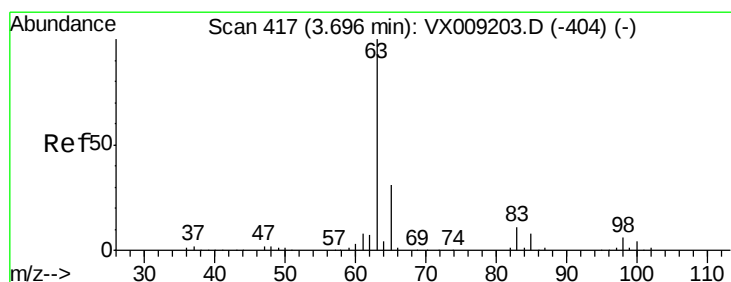
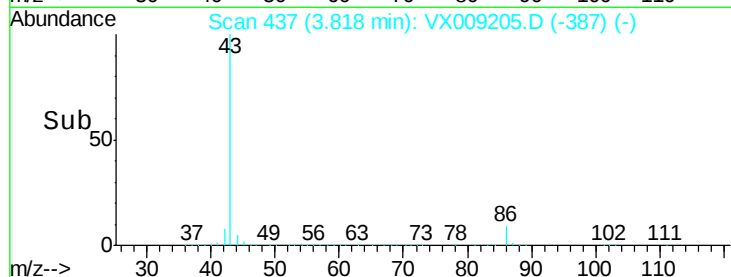
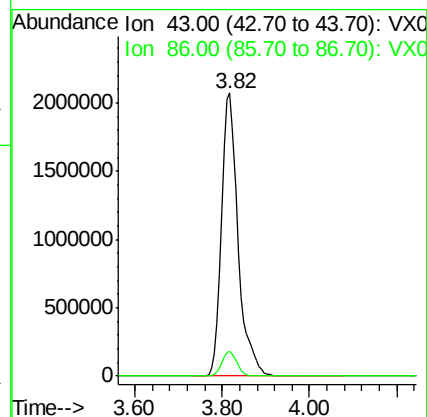
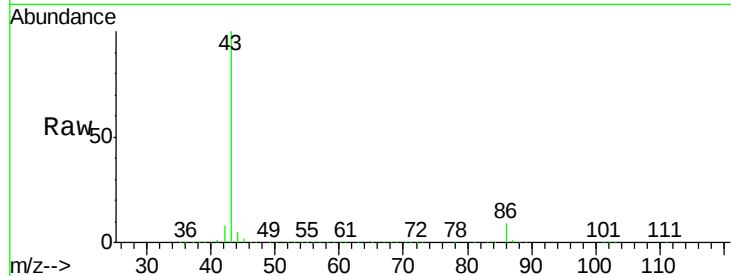
86 8.9 6.9 10.3

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#24

1,1-Dichloroethane

Concen: 141.333 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.01 min

Lab File: VX009205.D

Acq: 29 Apr 2019 13:43

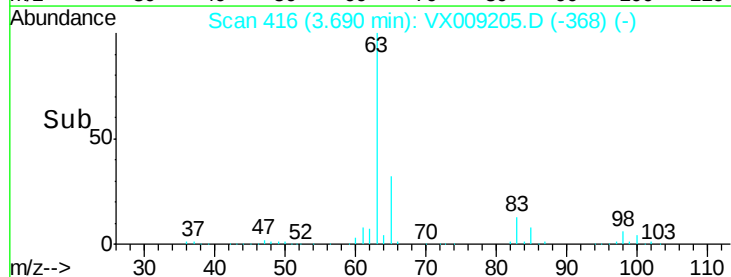
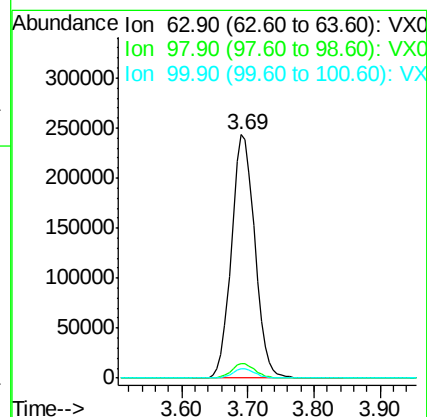
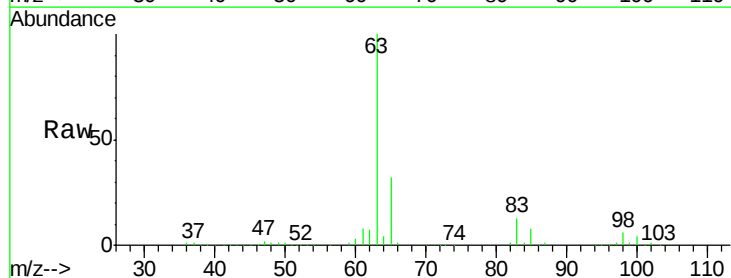
Tgt Ion: 63 Resp: 597877

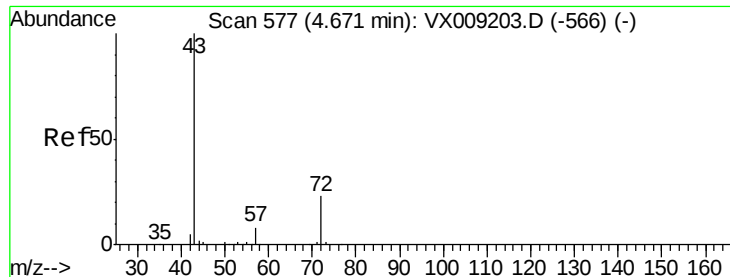
Ion Ratio Lower Upper

63 100

98 6.2 3.0 9.2

100 3.8 2.0 6.0





#25

2-Butanone

Concen: 732.270 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.01 min

Lab File: VX009205.D

Acq: 29 Apr 2019 13:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 1585051

Ion Ratio Lower Upper

43 100

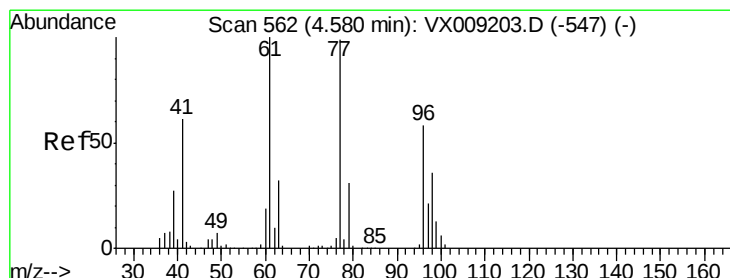
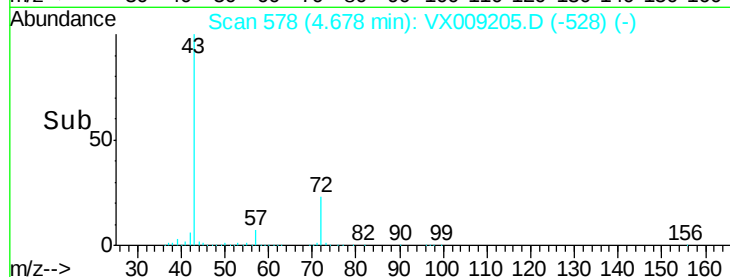
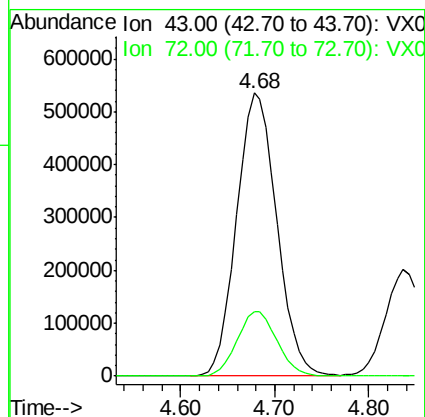
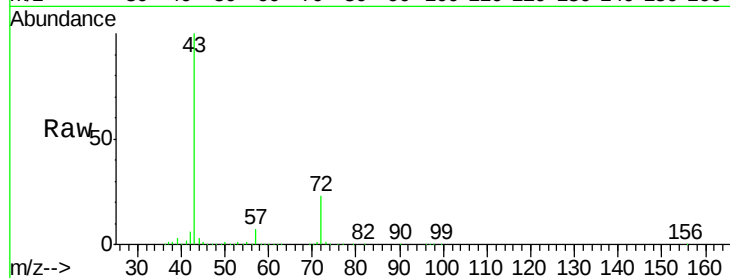
72 22.7 18.2 27.2

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#26

2,2-Dichloropropane

Concen: 144.806 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX009205.D

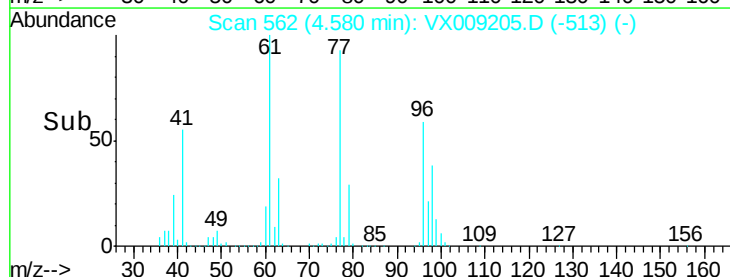
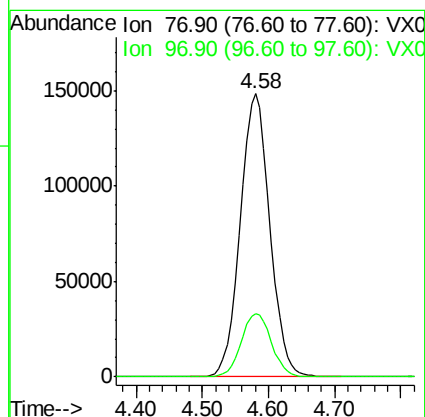
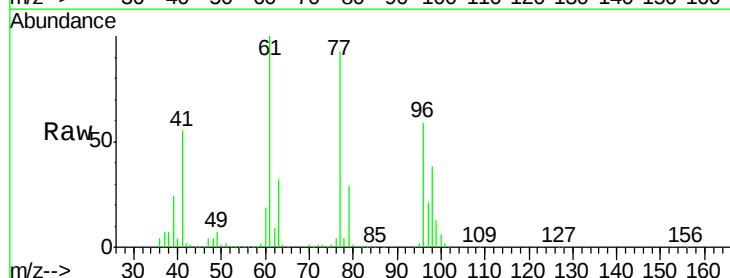
Acq: 29 Apr 2019 13:43

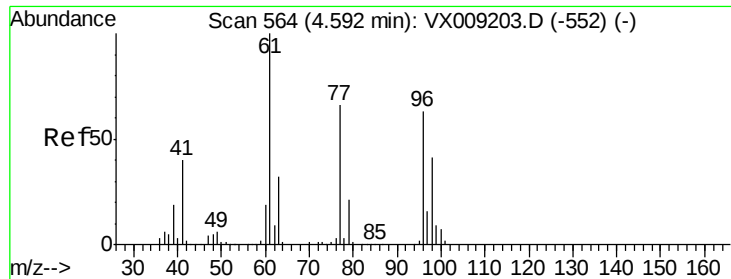
Tgt Ion: 77 Resp: 459417

Ion Ratio Lower Upper

77 100

97 22.9 11.5 34.4





#27

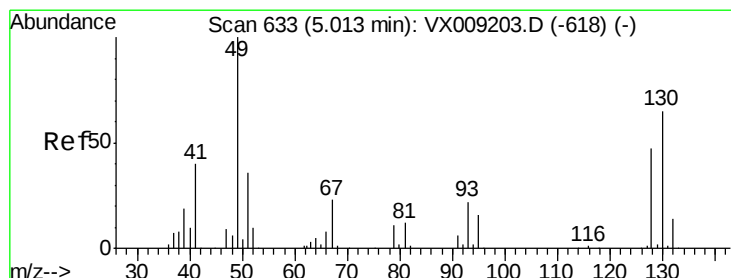
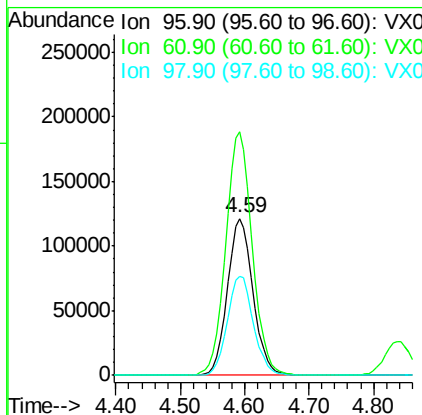
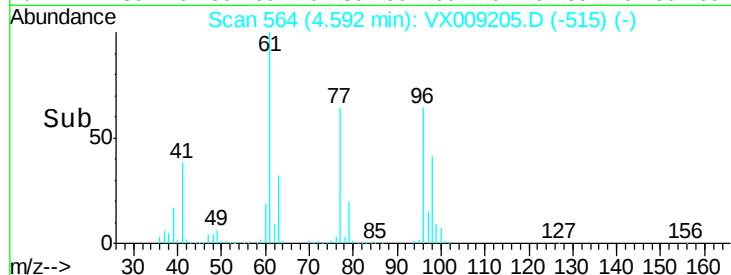
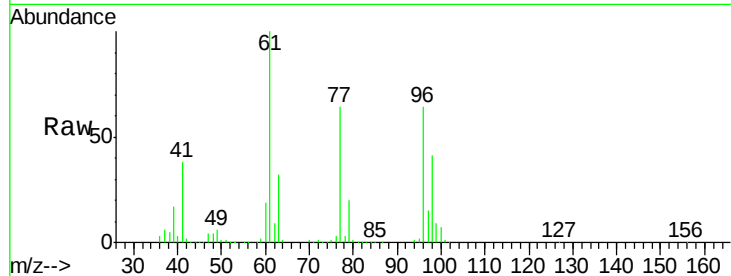
cis-1,2-Dichloroethene
Concen: 140.634 ug/l
RT: 4.59 min Scan# 564
Delta R.T. 0.00 min
Lab File: VX009205.D
Acq: 29 Apr 2019 13:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
96	100		
61	160.9	0.0	324.0
98	64.6	0.0	130.4

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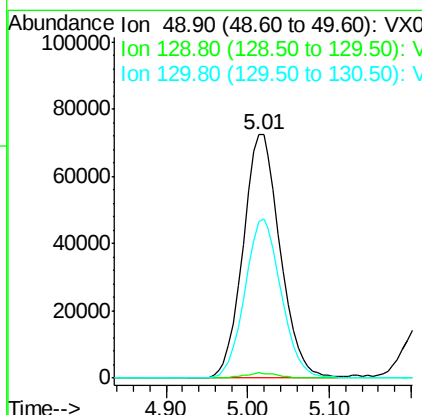
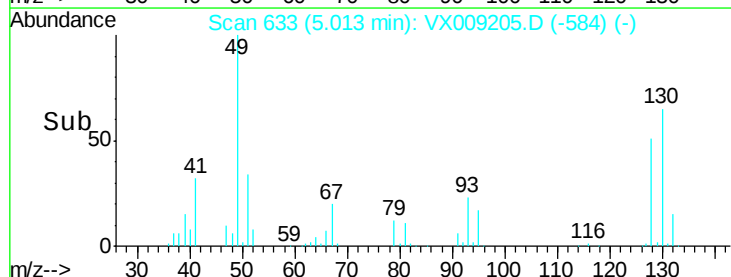
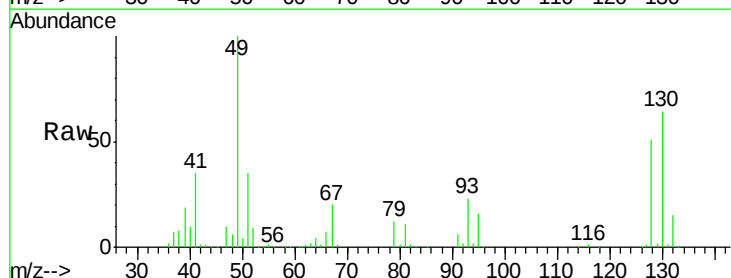
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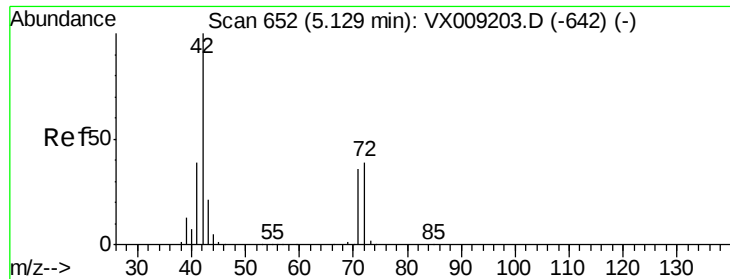


#28

Bromochloromethane
Concen: 115.326 ug/l
RT: 5.01 min Scan# 633
Delta R.T. 0.00 min
Lab File: VX009205.D
Acq: 29 Apr 2019 13:43

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.8
130	64.2	51.2	76.8





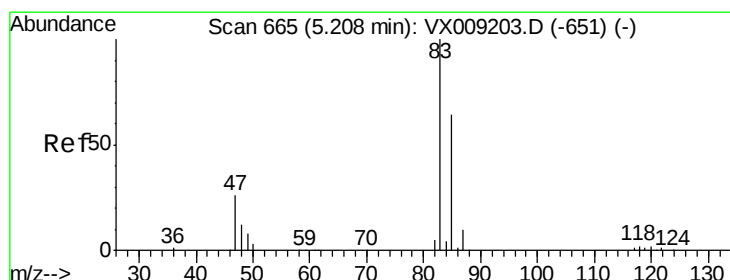
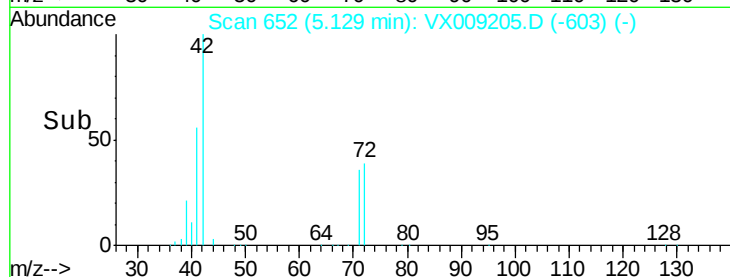
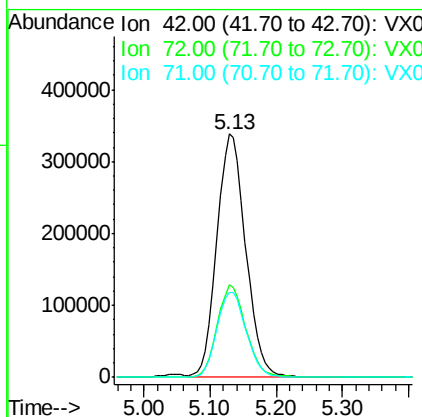
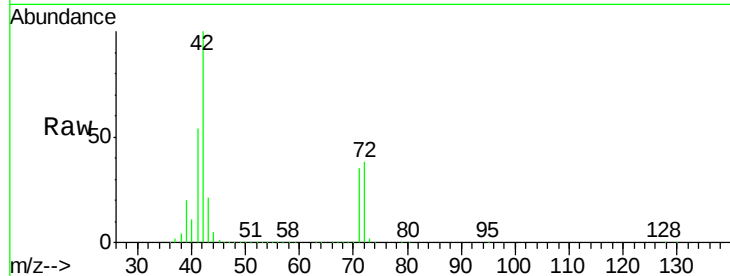
#29
Tetrahydrofuran
Concen: 703.624 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.00 min
Lab File: VX009205.D
Acq: 29 Apr 2019 13:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 42 Resp: 1018381
Ion Ratio Lower Upper
42 100
72 38.0 30.4 45.6
71 35.6 28.6 43.0

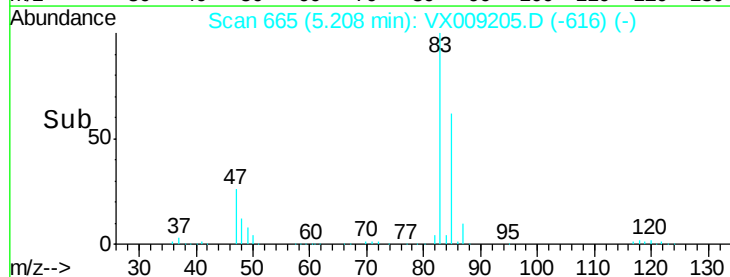
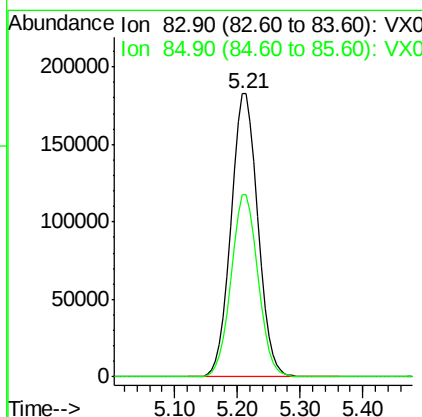
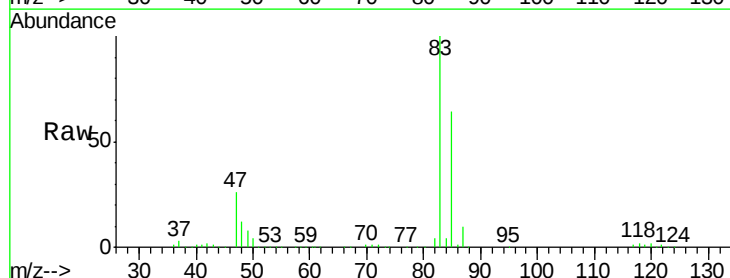
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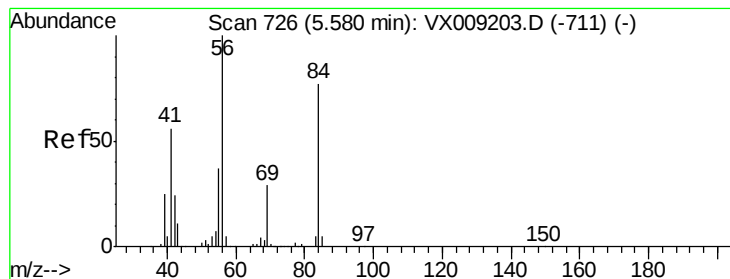
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#30
Chloroform
Concen: 143.389 ug/l
RT: 5.21 min Scan# 665
Delta R.T. 0.00 min
Lab File: VX009205.D
Acq: 29 Apr 2019 13:43

Tgt Ion: 83 Resp: 543132
Ion Ratio Lower Upper
83 100
85 64.3 51.5 77.3





#31

Cyclohexane

Concen: 138.395 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.01 min

Lab File: VX009205.D

Acq: 29 Apr 2019 13:43

Instrument :

MSVOA_X

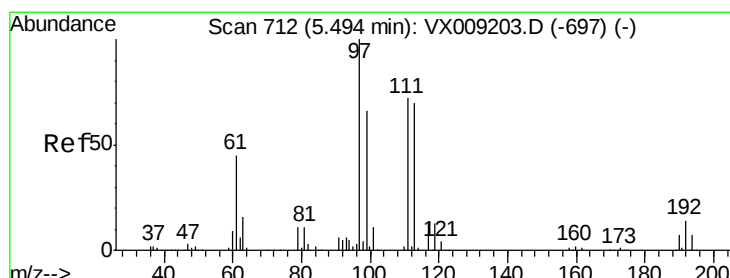
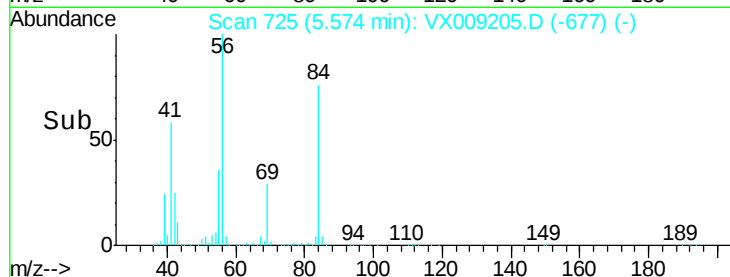
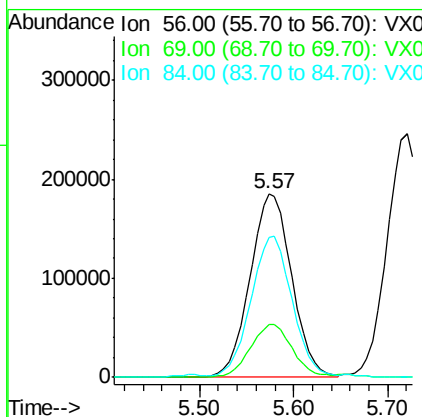
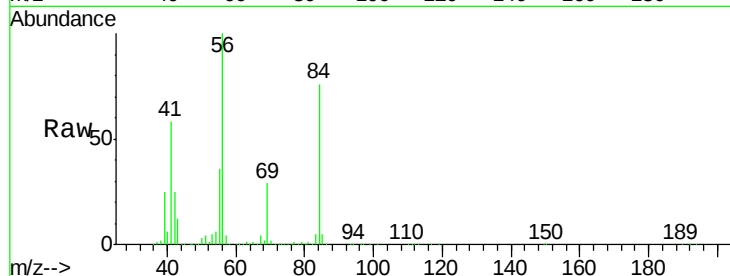
ClientSampleId :

VSTDIC150

Tot Ion:	56	Resp:	572610
Ion	Ratio	Lower	Upper
56	100		
69	28.7	23.4	35.0
84	75.1	61.9	92.9

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#32

1,1,1-Trichloroethane

Concen: 147.247 ug/l

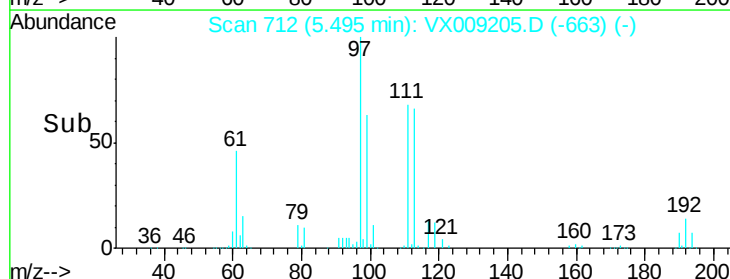
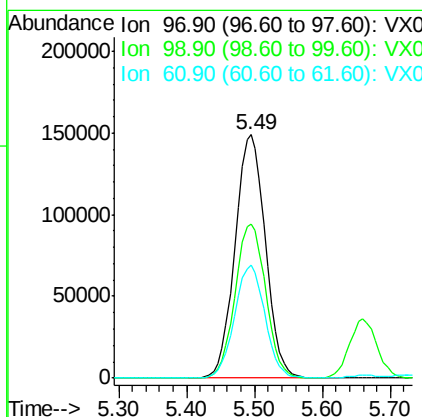
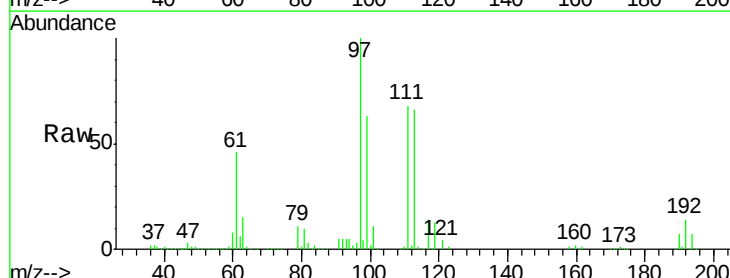
RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX009205.D

Acq: 29 Apr 2019 13:43

Tgt Ion:	97	Resp:	461673
Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.8	77.8
61	46.6	37.8	56.8





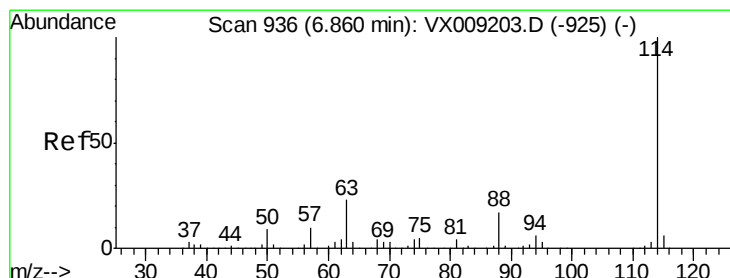
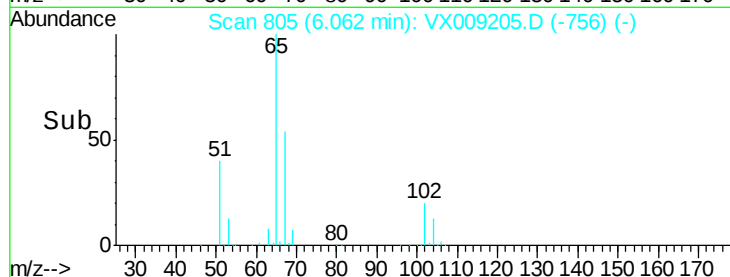
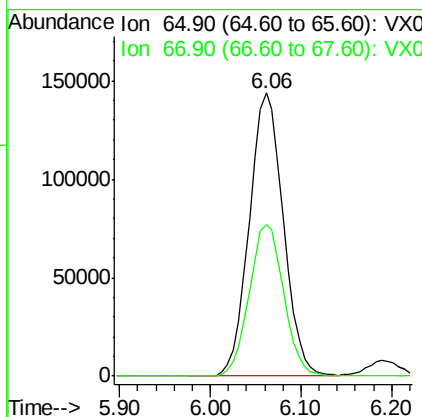
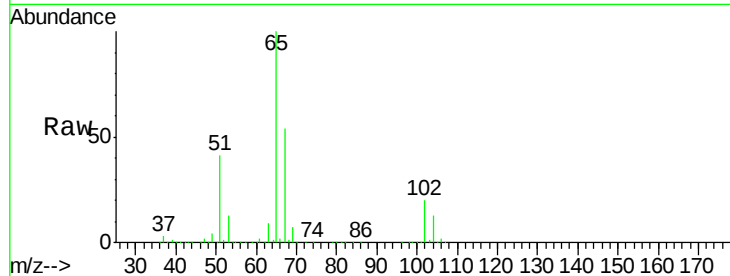
#33
 1,2-Dichloroethane-d4
 Concen: 141.816 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX009205.D
 Acq: 29 Apr 2019 13:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.1	0.0	106.6

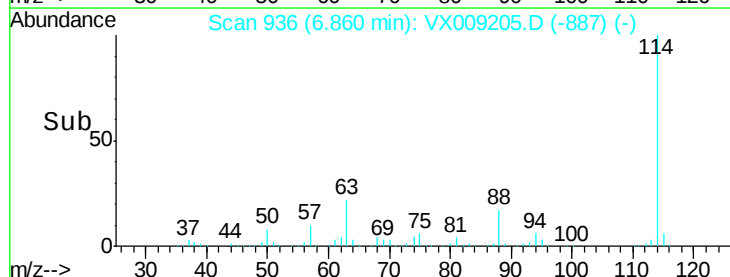
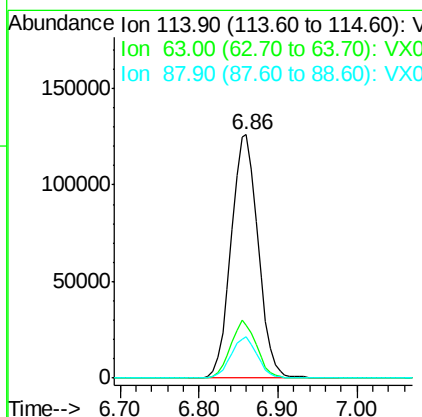
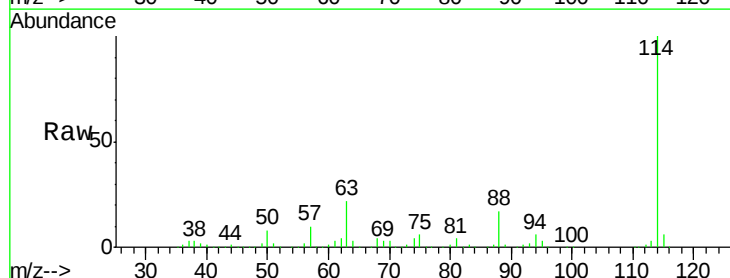
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009205.D
 Acq: 29 Apr 2019 13:43

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.0	0.0	45.6
88	16.9	0.0	33.2





#35

Dibromofluoromethane

Concen: 144.727 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX009205.D

Acq: 29 Apr 2019 13:43

Instrument :

MSVOA_X

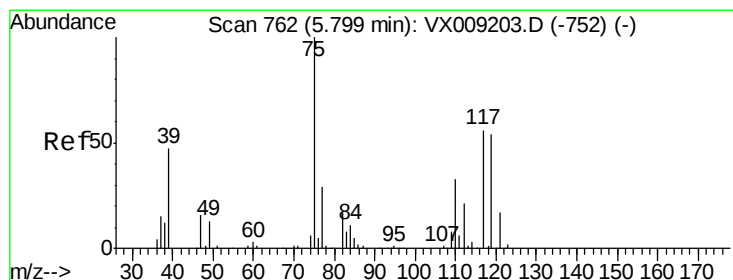
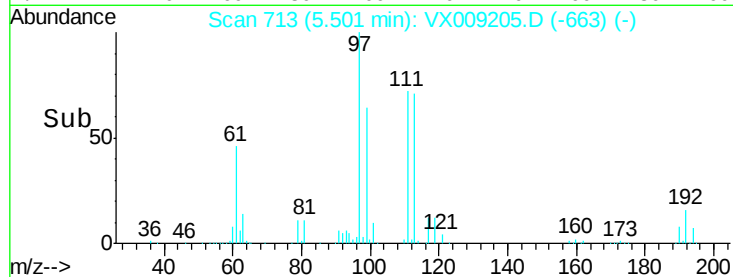
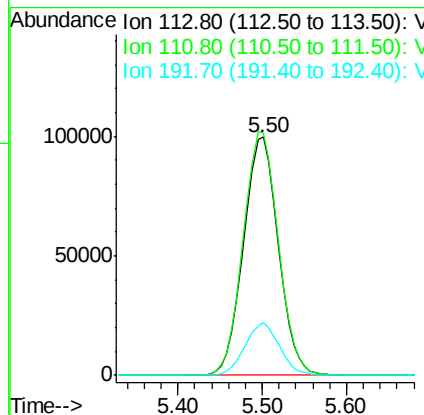
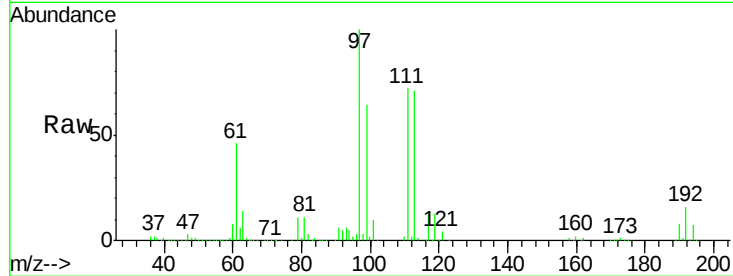
ClientSampleId :

VSTDIC150

Tot Ion:	113	Resp:	279885
Ion Ratio	Lower	Upper	
113	100		
111	103.4	82.8	124.2
192	21.8	17.0	25.6

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#36

1,1-Dichloropropene

Concen: 138.606 ug/l

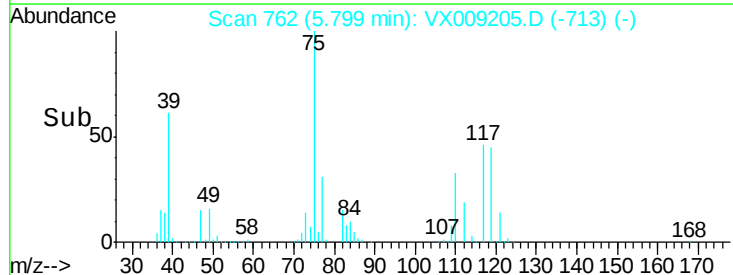
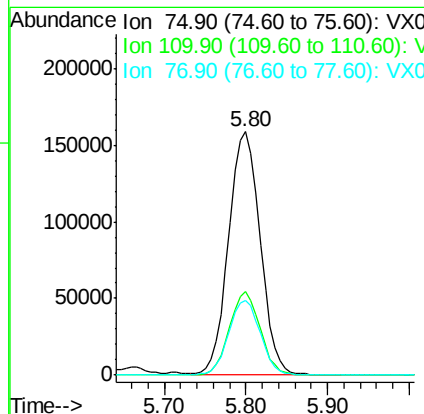
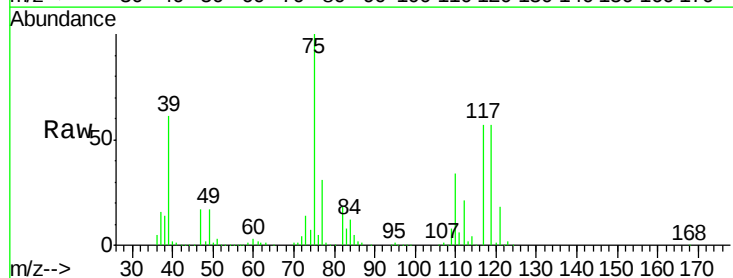
RT: 5.80 min Scan# 762

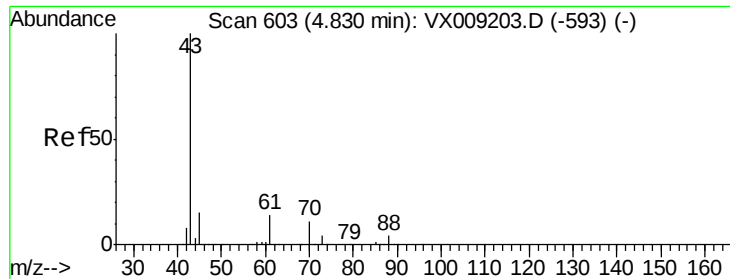
Delta R.T. 0.00 min

Lab File: VX009205.D

Acq: 29 Apr 2019 13:43

Tgt Ion:	75	Resp:	426400
Ion Ratio	Lower	Upper	
75	100		
110	33.3	16.9	50.6
77	30.7	24.8	37.2





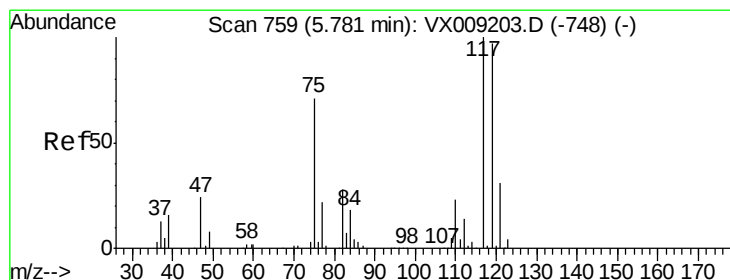
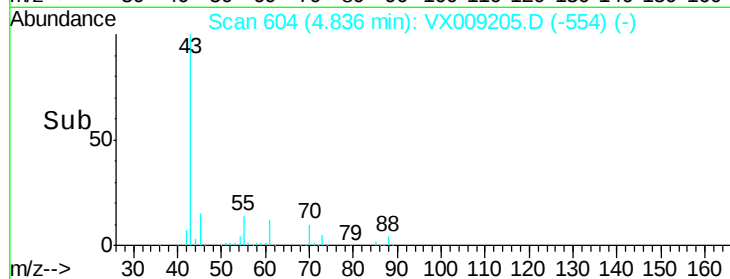
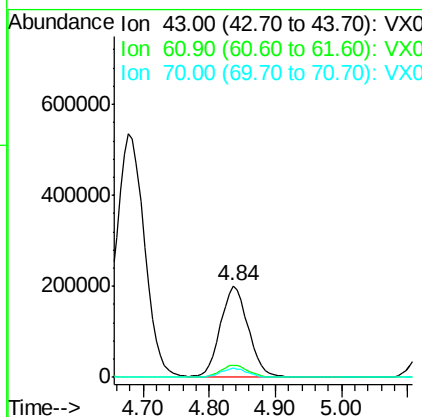
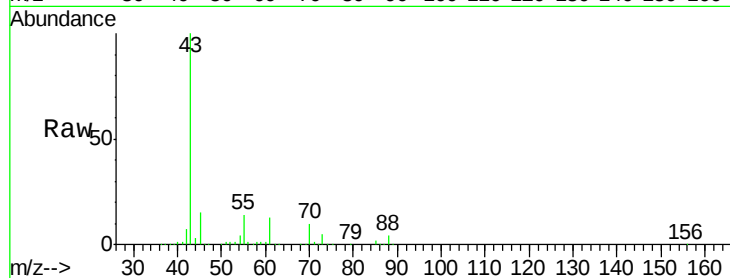
#37
Ethyl Acetate
Concen: 147.956 ug/l
RT: 4.84 min Scan# 604
Delta R.T. 0.01 min
Lab File: VX009205.D
Acq: 29 Apr 2019 13:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.5	15.7
70	9.4	7.9	11.9

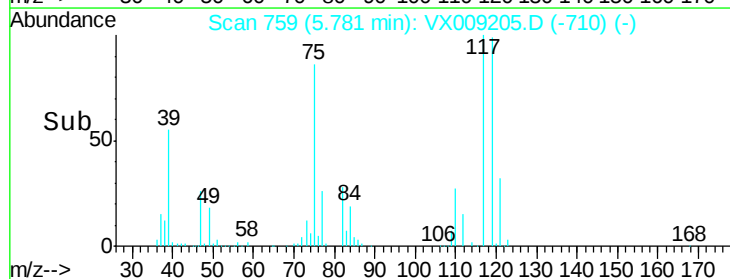
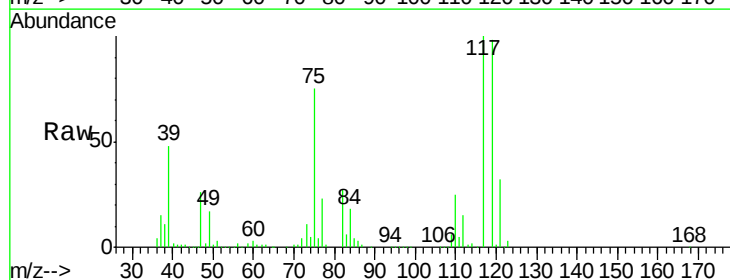
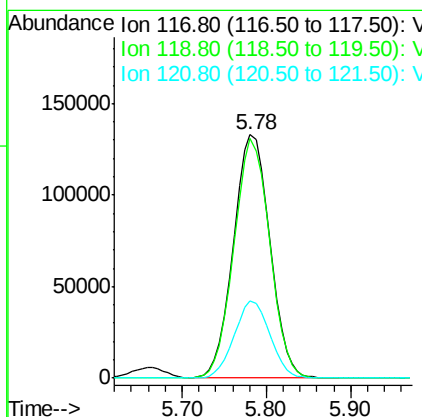
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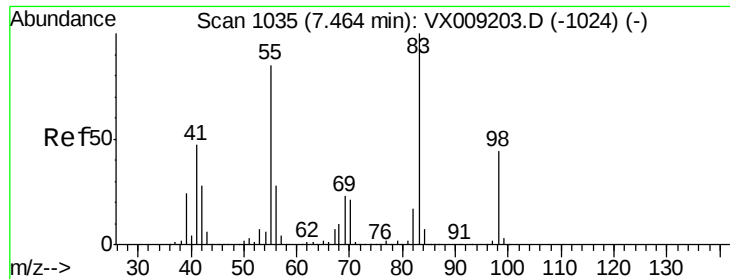
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#38
Carbon Tetrachloride
Concen: 148.897 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX009205.D
Acq: 29 Apr 2019 13:43

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.5	77.5	116.3
121	31.6	24.7	37.1





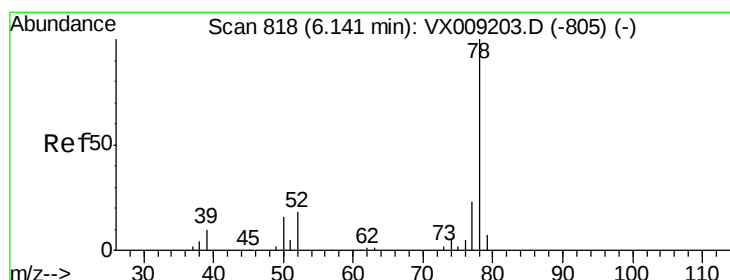
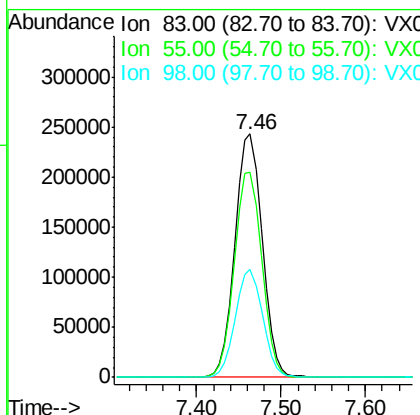
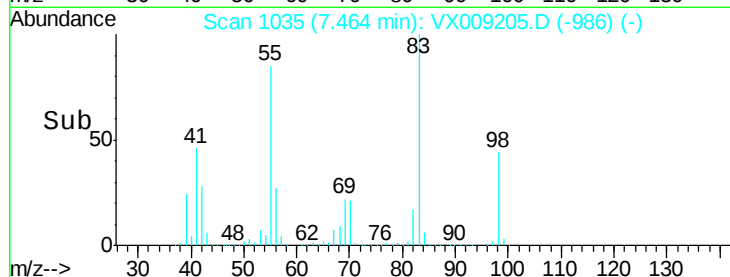
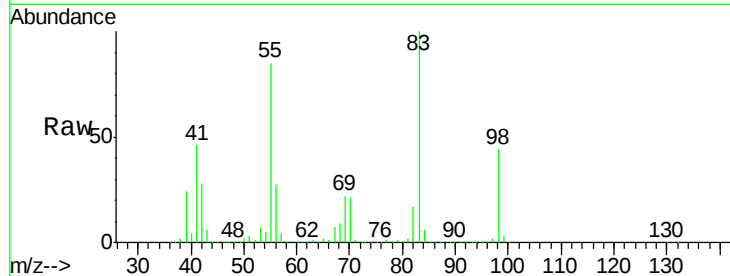
#39
Methvlcvclohexane
Concen: 142.264 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX009205.D
Acq: 29 Apr 2019 13:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tot Ion	Ratio	Lower	Upper
83	100		
55	84.5	67.7	101.5
98	44.3	35.5	53.3

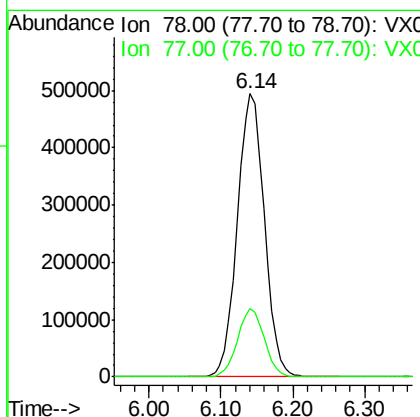
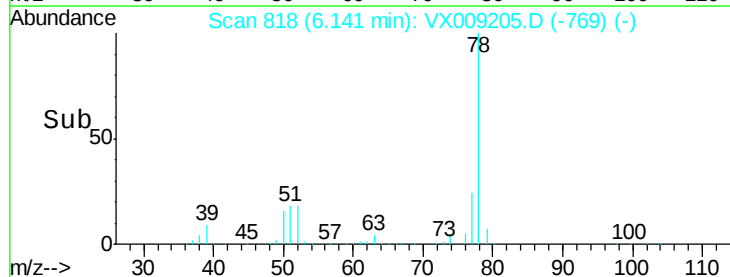
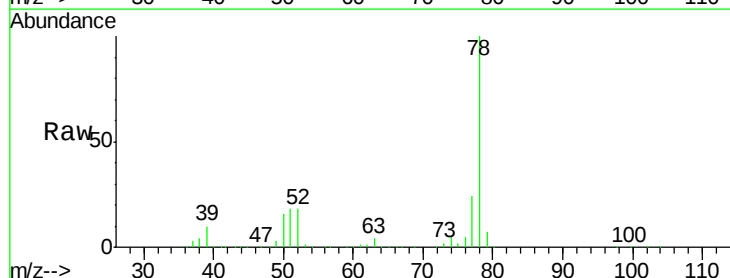
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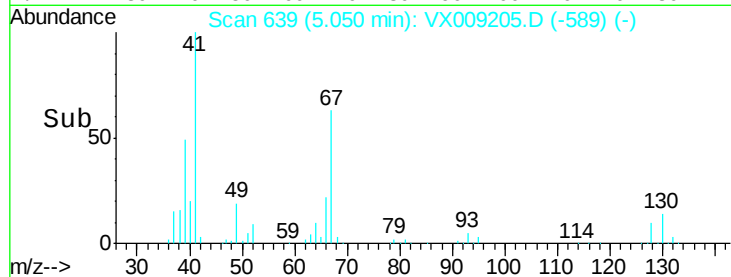
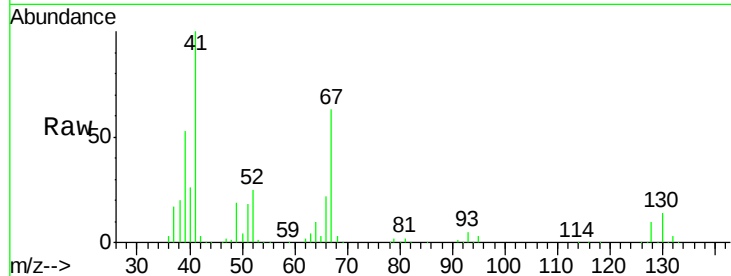
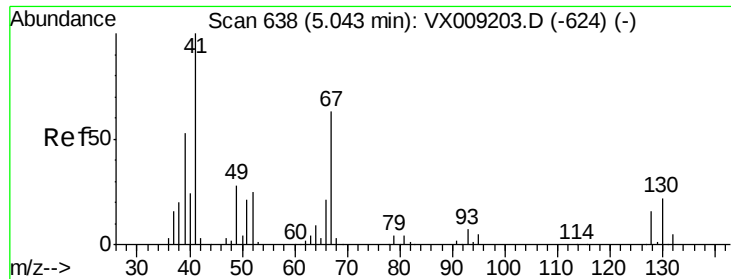
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#40
Benzene
Concen: 141.757 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX009205.D
Acq: 29 Apr 2019 13:43

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	18.8	28.2





#41

Methacrylonitrile

Concen: 146.016 ug/l

RT: 5.05 min Scan# 639

Delta R.T. 0.01 min

Lab File: VX009205.D

Acq: 29 Apr 2019 13:43

Tot Ion:	41	Resp:	333606
Ion Ratio	Lower	Upper	
41	100		
39	52.8	42.0	63.0
67	63.7	49.8	74.8
52	26.0	20.3	30.5

Instrument :

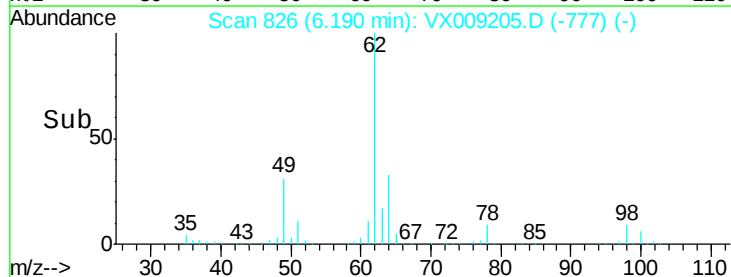
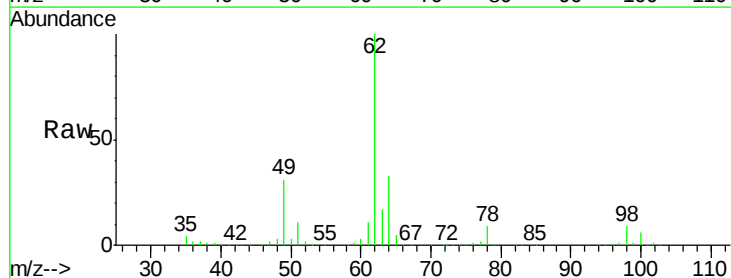
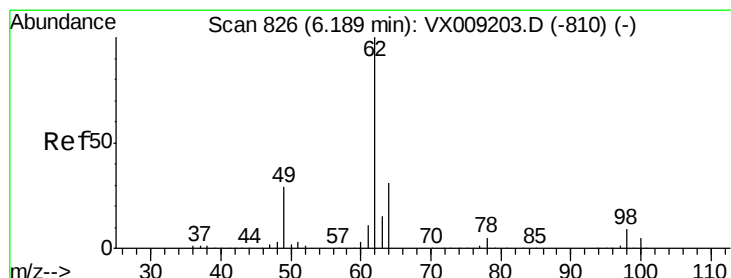
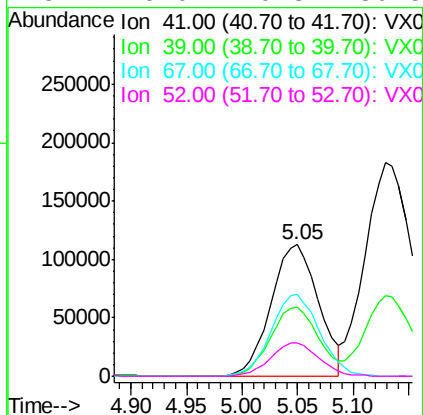
MSVOA_X

ClientSampleId :

VSTDICC150

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#42

1,2-Dichloroethane

Concen: 141.518 ug/l

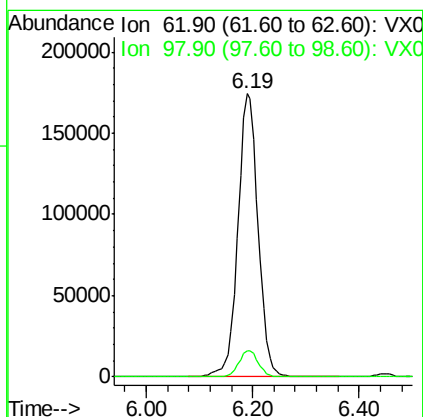
RT: 6.19 min Scan# 826

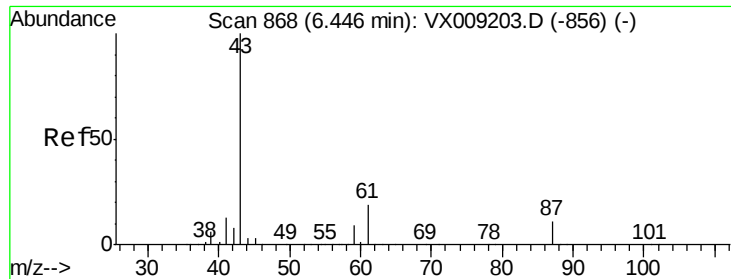
Delta R.T. 0.00 min

Lab File: VX009205.D

Acq: 29 Apr 2019 13:43

Tgt Ion:	62	Resp:	456554
Ion Ratio	Lower	Upper	
62	100		
98	9.1	0.0	18.2





#43

Isopropyl Acetate

Concen: 151.510 ug/l

RT: 6.45 min Scan# 868

Delta R.T. 0.00 min

Lab File: VX009205.D

Acq: 29 Apr 2019 13:43

Instrument :

MSVOA_X

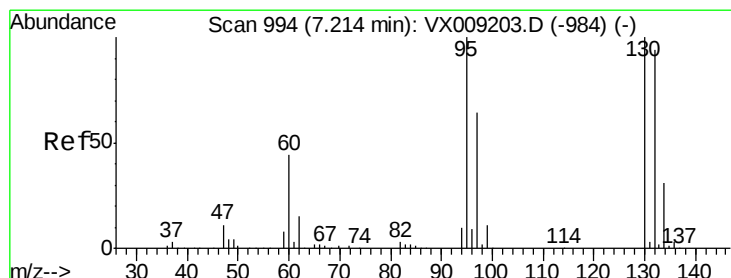
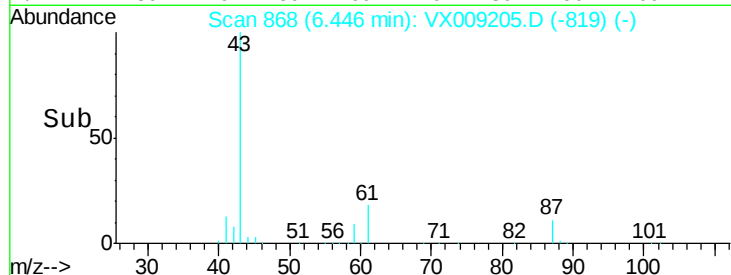
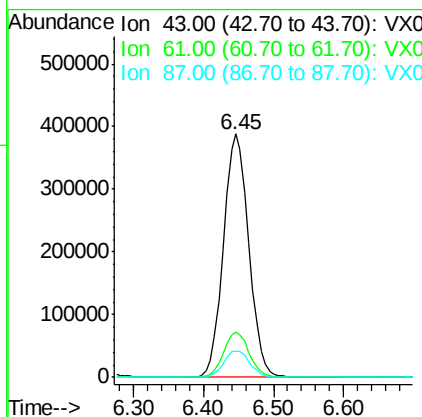
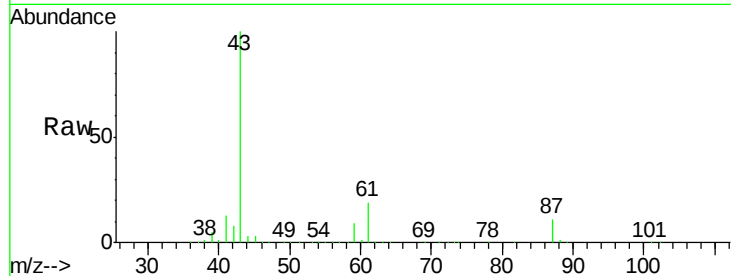
ClientSampleId :

VSTDIC150

Tot Ion:	43	Resp:	970338
Ion	Ratio	Lower	Upper
43	100		
61	19.0	15.1	22.7
87	11.3	9.0	13.6

Manual Integrations
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4/30/2019 11:03:39 AM



#44

Trichloroethene

Concen: 141.039 ug/l

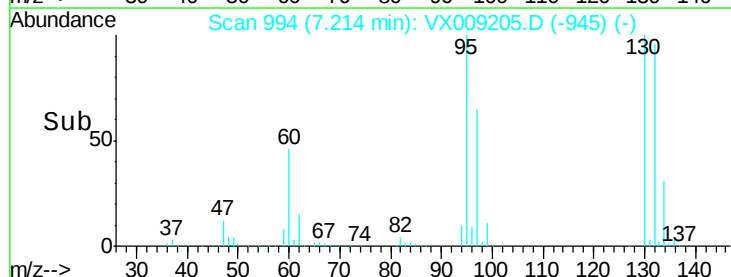
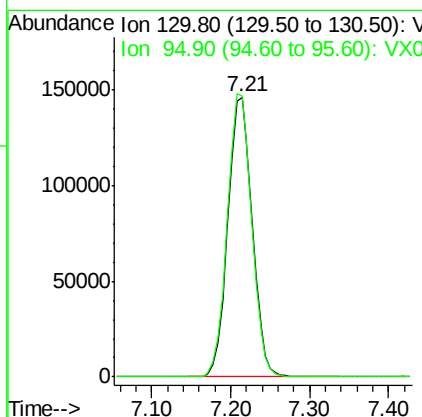
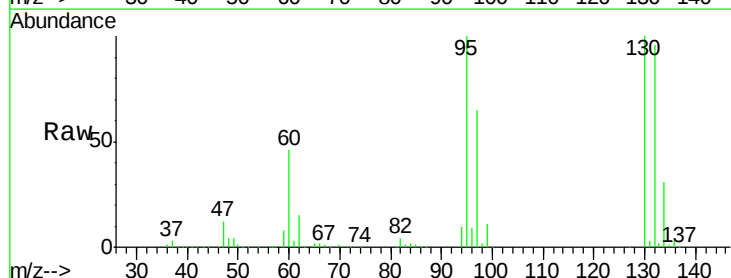
RT: 7.21 min Scan# 994

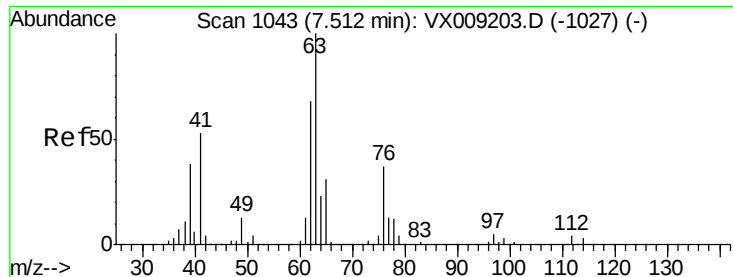
Delta R.T. 0.00 min

Lab File: VX009205.D

Acq: 29 Apr 2019 13:43

Tgt Ion:	130	Resp:	314227
Ion	Ratio	Lower	Upper
130	100		
95	100.2	0.0	199.2





#45

1,2-Dichloropropane

Concen: 146.613 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX009205.D

Acq: 29 Apr 2019 13:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 63 Resp: 370941

Ion Ratio Lower Upper

63 100

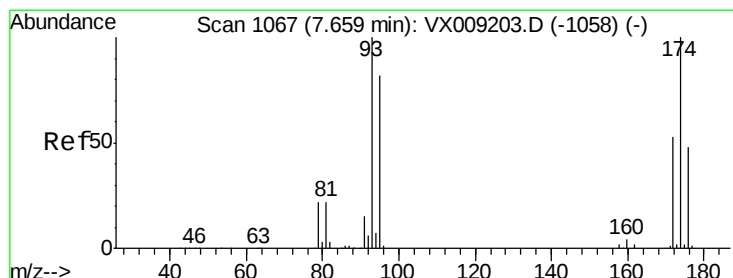
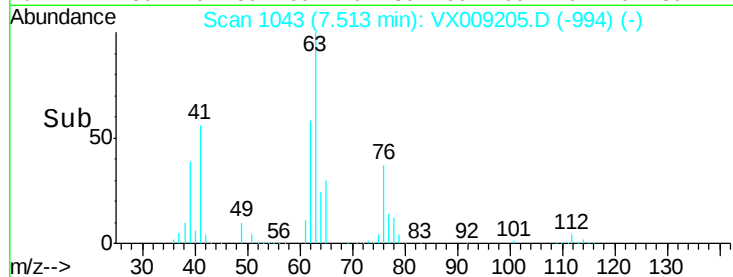
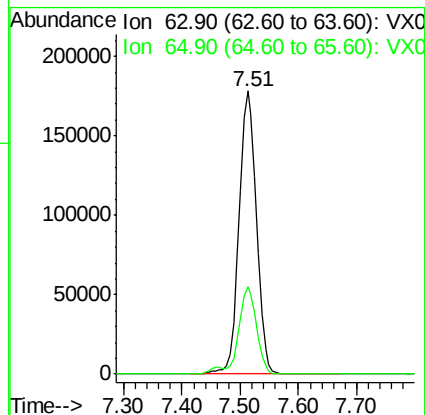
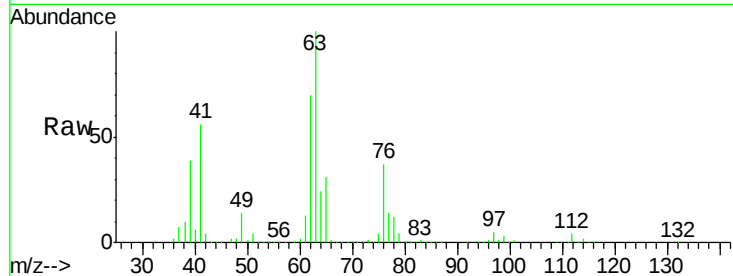
65 30.8 25.0 37.6

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#46

Dibromomethane

Concen: 144.335 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX009205.D

Acq: 29 Apr 2019 13:43

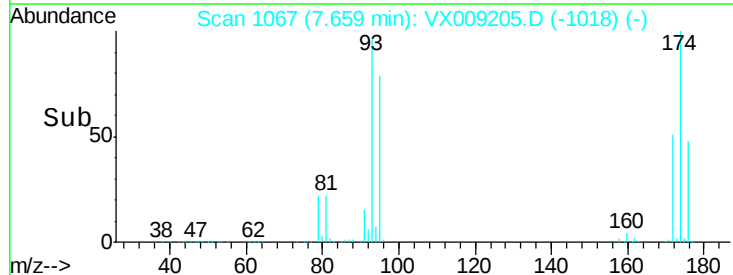
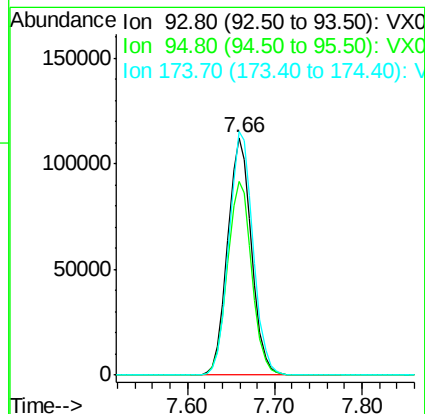
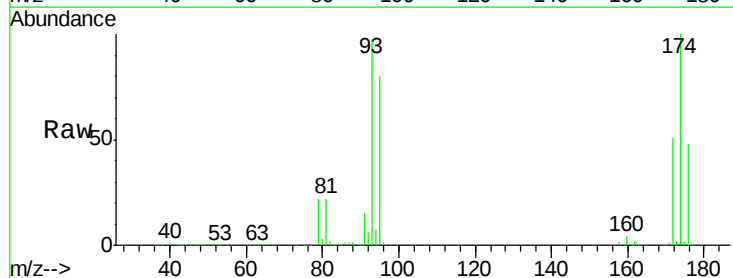
Tgt Ion: 93 Resp: 212286

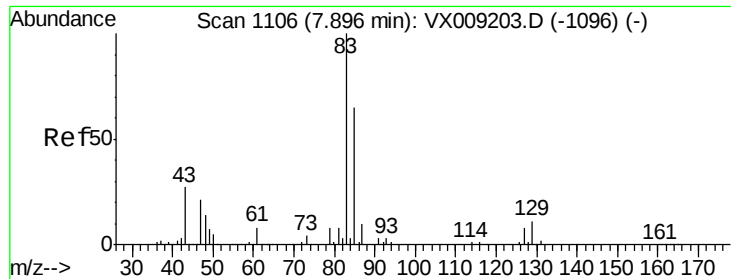
Ion Ratio Lower Upper

93 100

95 82.8 66.5 99.7

174 103.7 82.1 123.1





#47

Bromodichloromethane

Concen: 151.501 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX009205.D

Acq: 29 Apr 2019 13:43

Instrument :

MSVOA_X

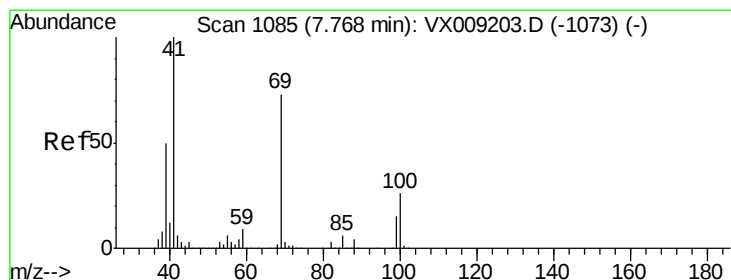
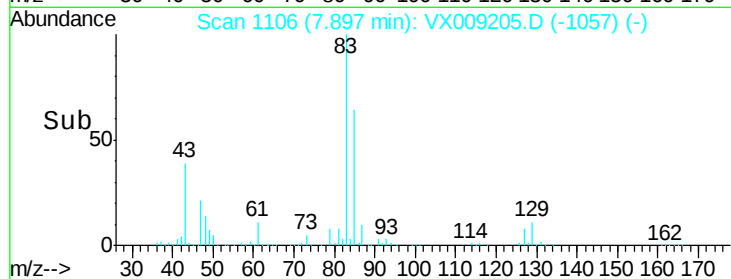
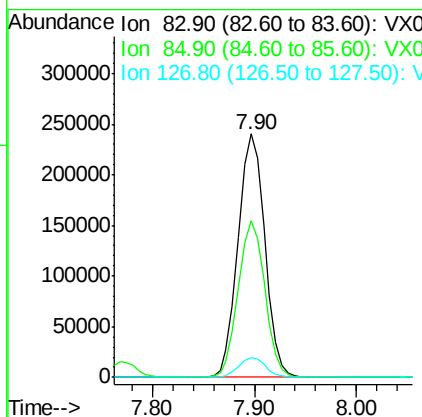
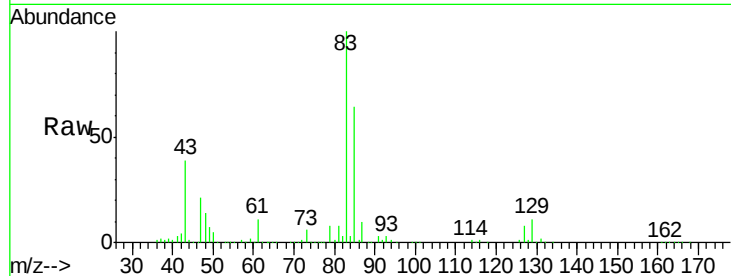
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	438014
Ion Ratio	Lower	Upper	
83	100		
85	64.3	52.4	78.6
127	8.1	6.6	10.0

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#48

Methyl methacrylate

Concen: 154.288 ug/l

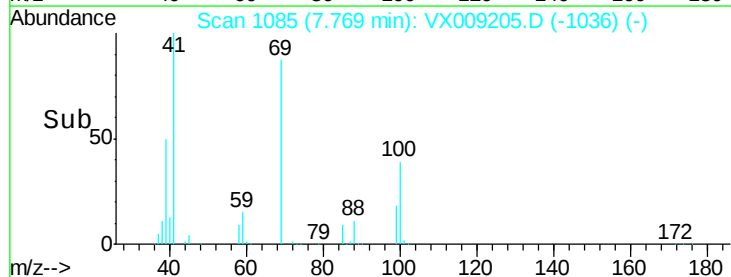
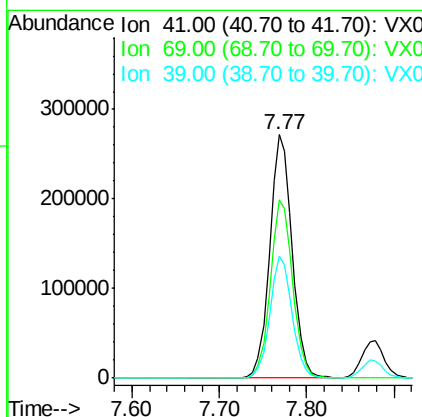
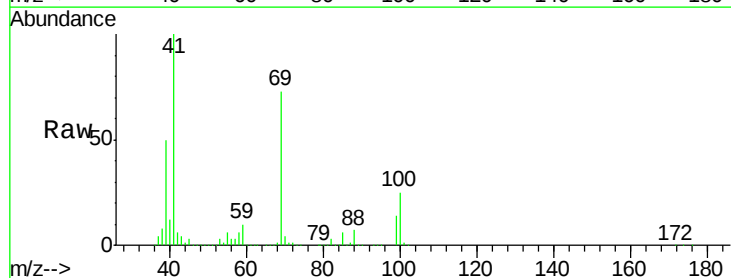
RT: 7.77 min Scan# 1085

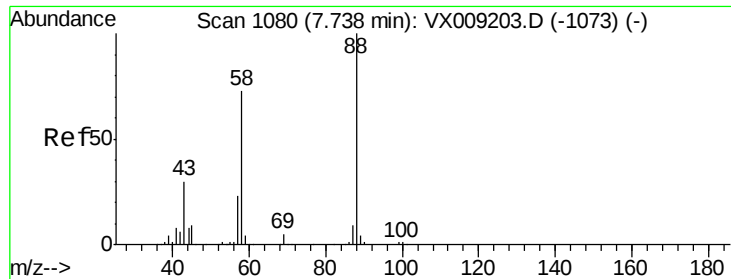
Delta R.T. 0.00 min

Lab File: VX009205.D

Acq: 29 Apr 2019 13:43

Tgt Ion:	41	Resp:	488153
Ion Ratio	Lower	Upper	
41	100		
69	73.5	59.1	88.7
39	49.5	40.4	60.6





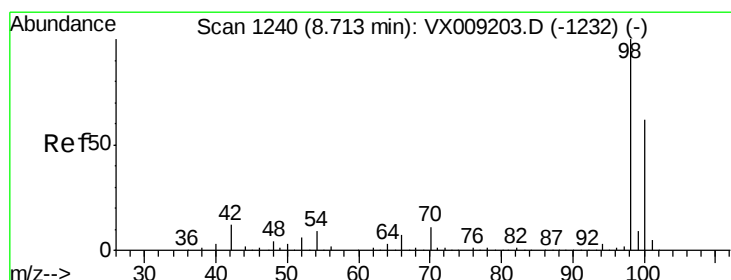
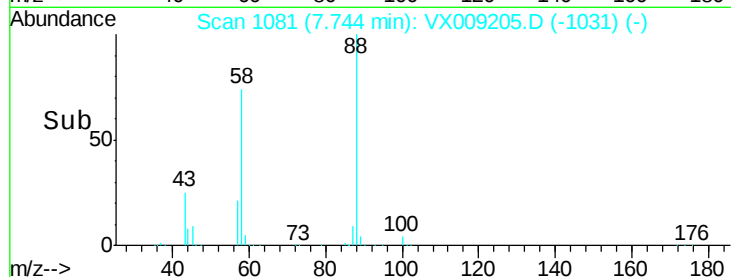
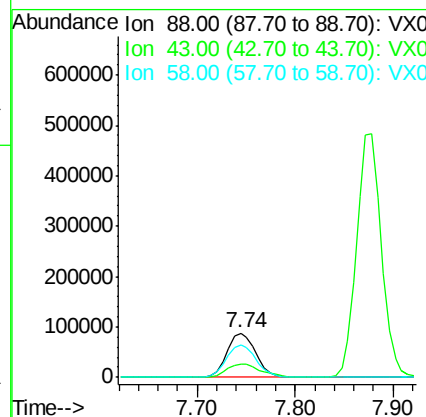
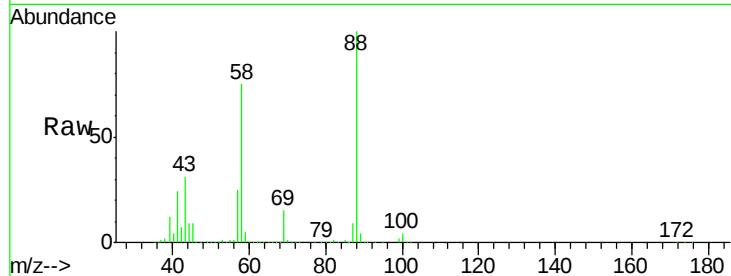
#49
1,4-Dioxane
Concen: 2945.267 ug/l
RT: 7.74 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VX009205.D
Acq: 29 Apr 2019 13:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	88	Resp	178200
Ion Ratio	Lower	Upper	
88	100		
43	36.3	28.6	42.8
58	77.2	61.7	92.5

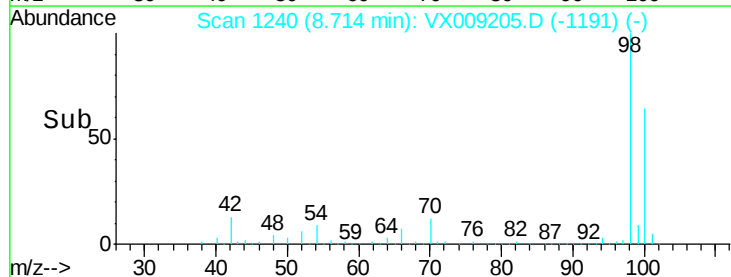
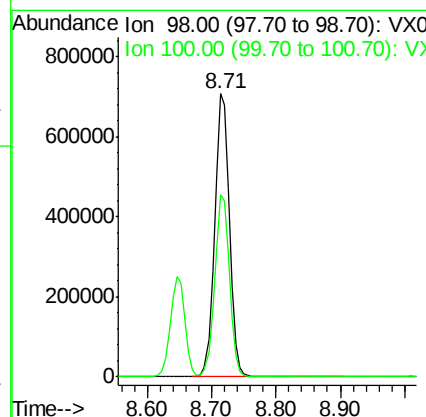
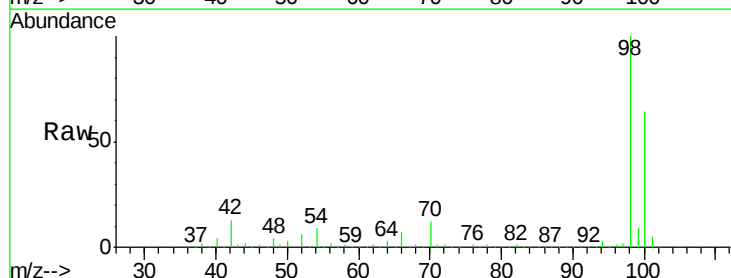
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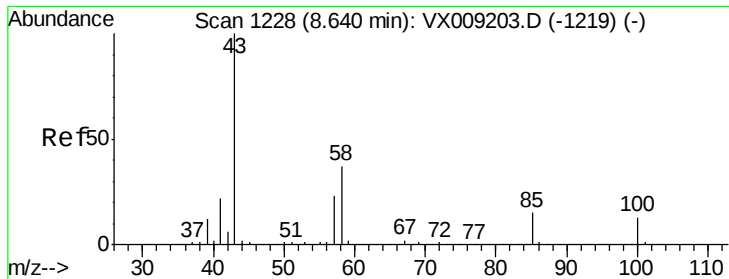
MMDadoda
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#50
Toluene-d8
Concen: 147.084 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009205.D
Acq: 29 Apr 2019 13:43

Tgt Ion	98	Resp	1136942
Ion Ratio	Lower	Upper	
98	100		
100	64.6	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 760.906 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. 0.01 min

Lab File: VX009205.D

Acq: 29 Apr 2019 13:43

Tot Ion: 43 Resp: 3116240

Ion Ratio Lower Upper

43 100

58 37.4 29.5 44.3

Instrument :

MSVOA_X

ClientSampleId :

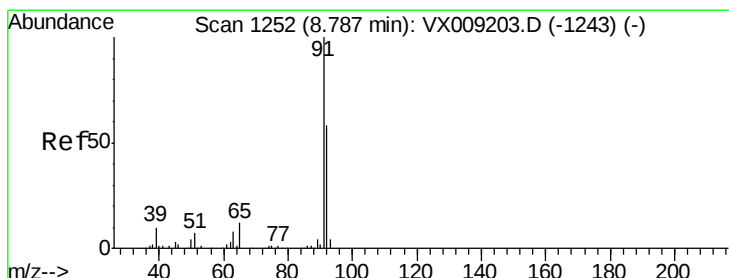
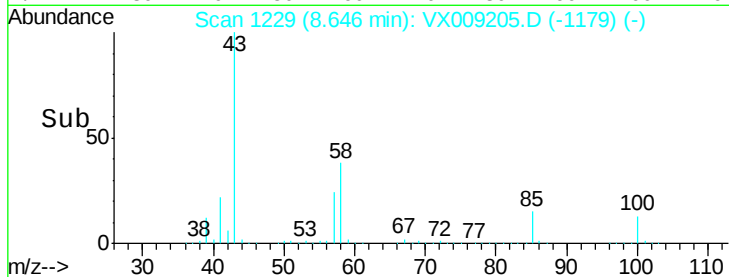
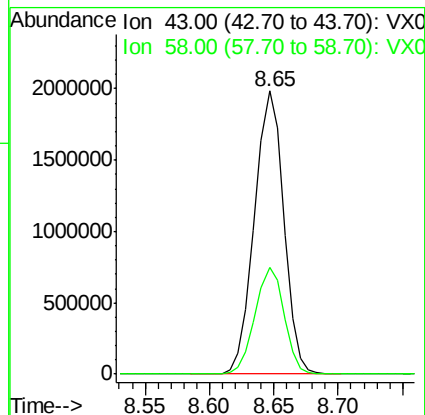
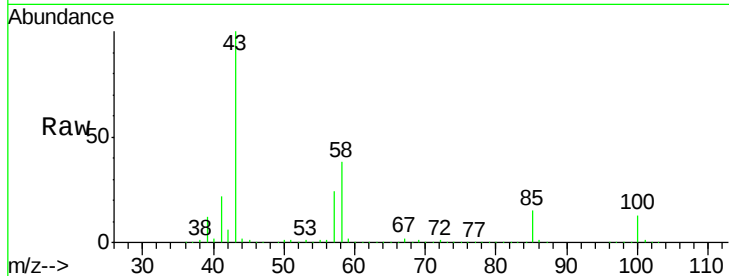
VSTDIC150

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#52

Toluene

Concen: 143.897 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX009205.D

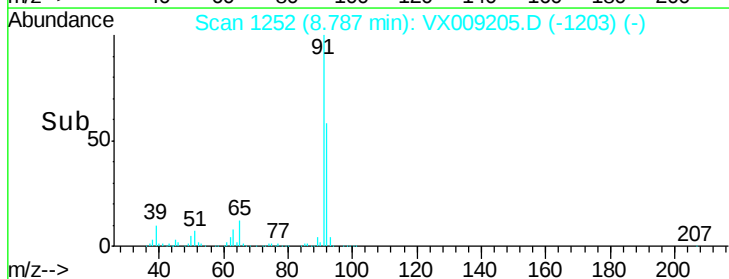
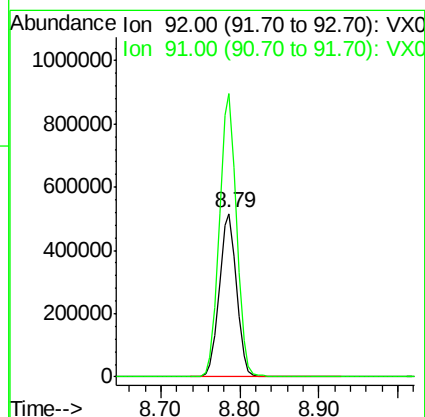
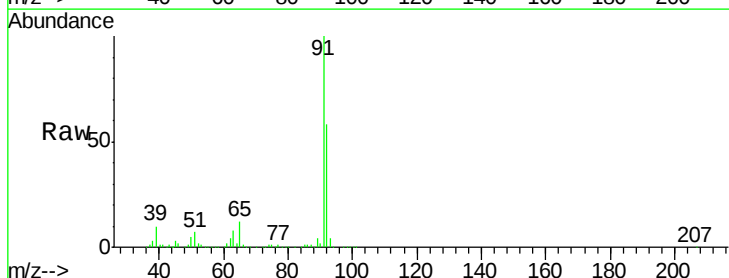
Acq: 29 Apr 2019 13:43

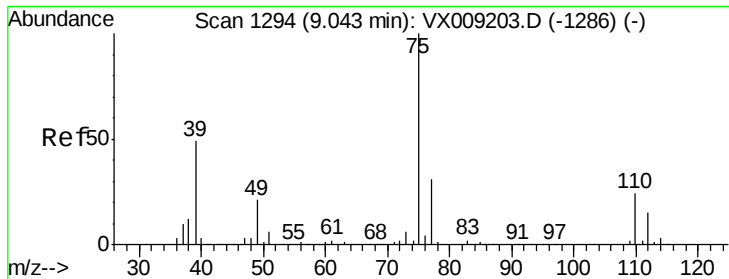
Tgt Ion: 92 Resp: 786996

Ion Ratio Lower Upper

92 100

91 172.7 138.8 208.2





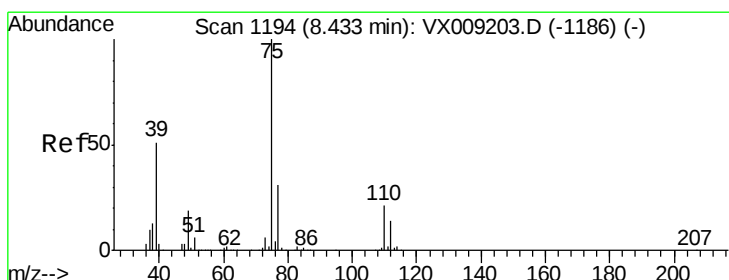
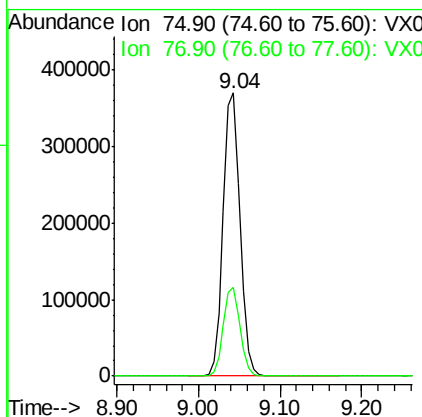
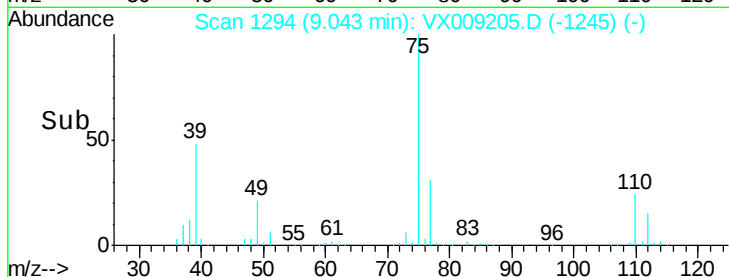
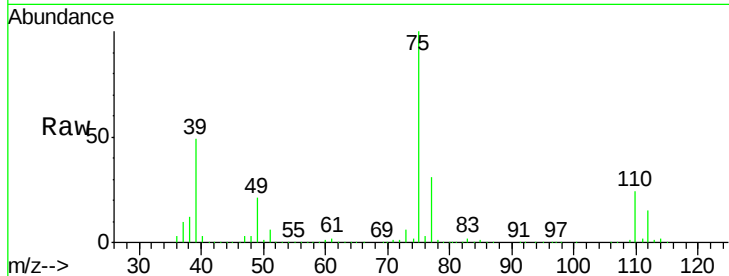
#53
 t-1,3-Dichloropropene
 Concen: 160.982 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. 0.00 min
 Lab File: VX009205.D
 Acq: 29 Apr 2019 13:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion: 75 Resp: 532791
 Ion Ratio Lower Upper
 75 100
 77 31.4 25.0 37.6

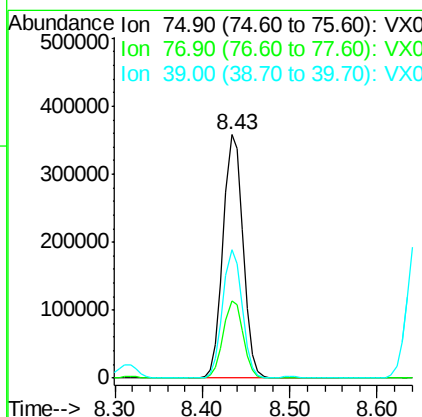
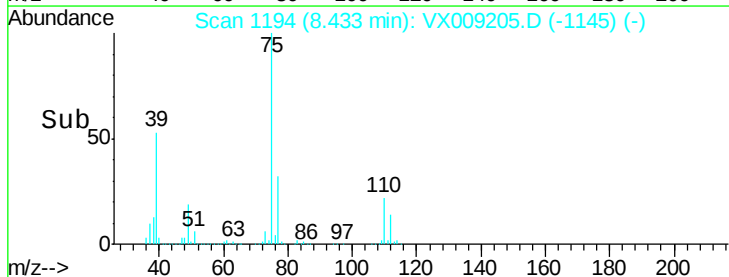
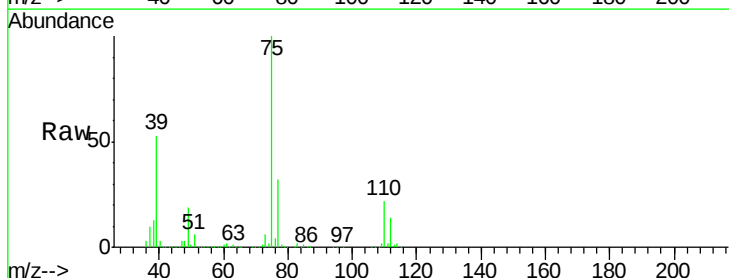
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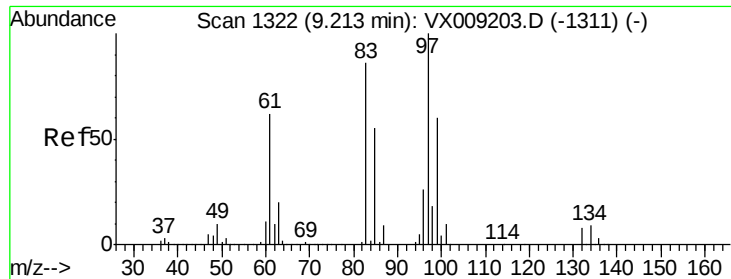
MMDadoda
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#54
 cis-1,3-Dichloropropene
 Concen: 152.389 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VX009205.D
 Acq: 29 Apr 2019 13:43

Tgt Ion: 75 Resp: 566742
 Ion Ratio Lower Upper
 75 100
 77 31.7 24.6 36.8
 39 52.6 40.6 60.8





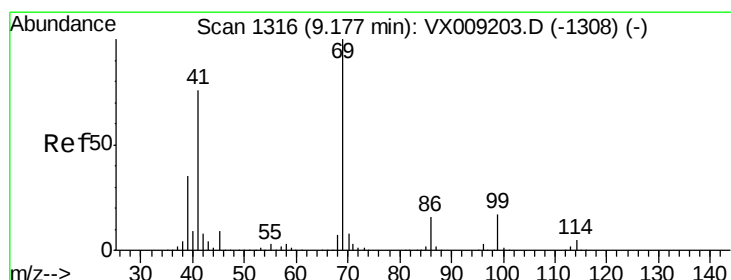
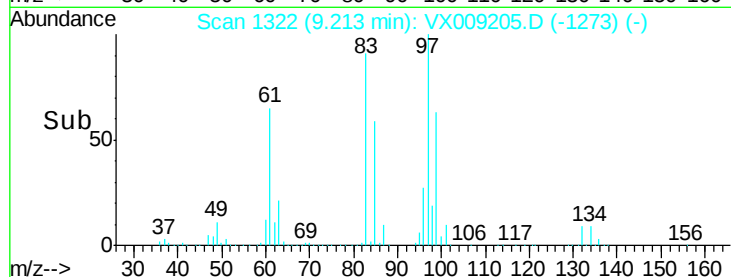
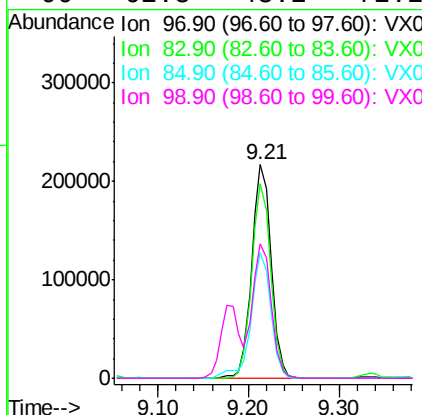
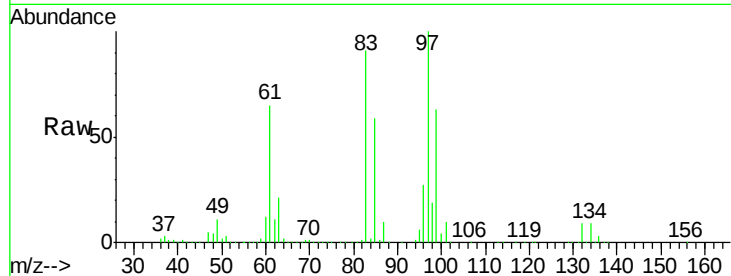
#55
 1,1,2-Trichloroethane
 Concen: 147.698 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX009205.D
 Acq: 29 Apr 2019 13:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		321018		
83	91.1	68.9	103.3		
85	58.8	43.8	65.6		
99	62.8	48.2	72.2		

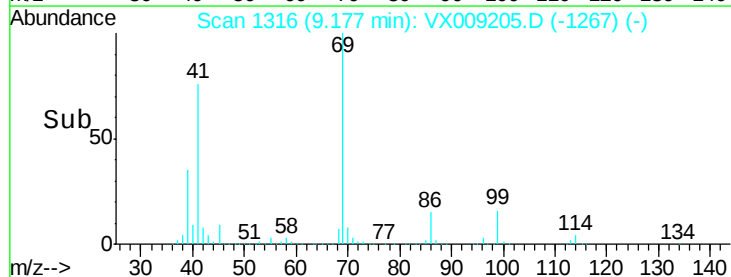
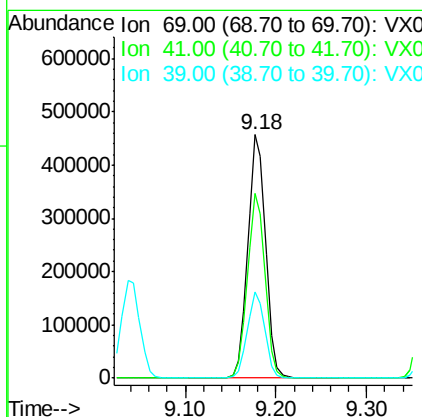
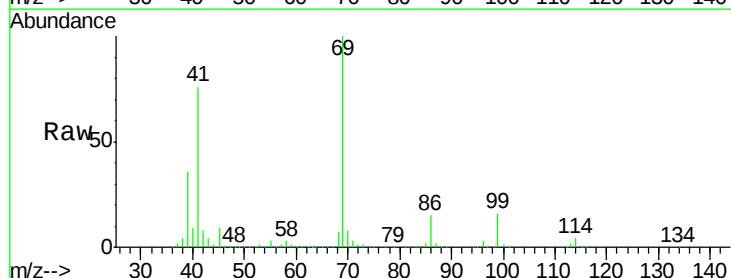
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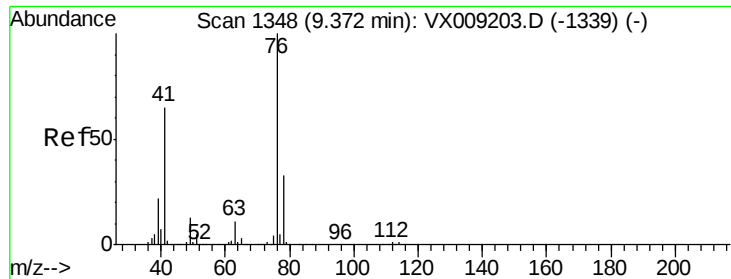
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#56
 Ethyl methacrylate
 Concen: 158.993 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX009205.D
 Acq: 29 Apr 2019 13:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		618854		
41	75.6	60.6	90.8		
39	35.2	28.2	42.4		





#57

1,3-Dichloropropane

Concen: 146.604 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX009205.D

Acq: 29 Apr 2019 13:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 76 Resp: 565566

Ion Ratio Lower Upper

76 100

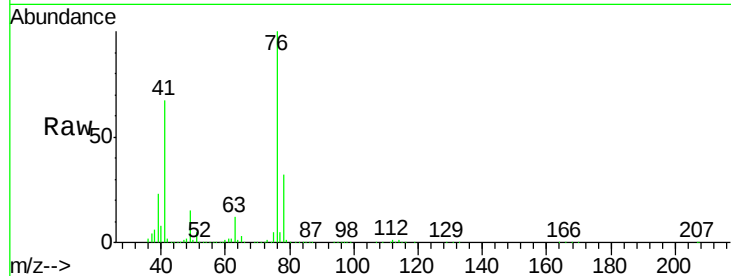
78 32.1 25.5 38.3

Manual Integrations

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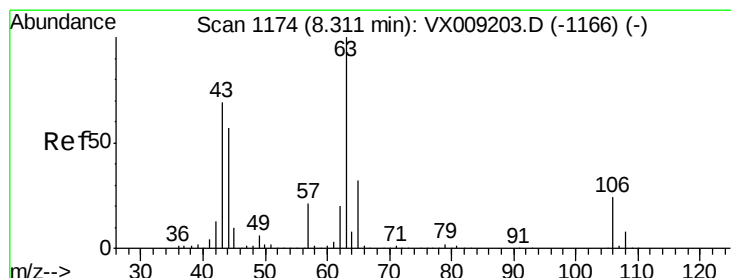
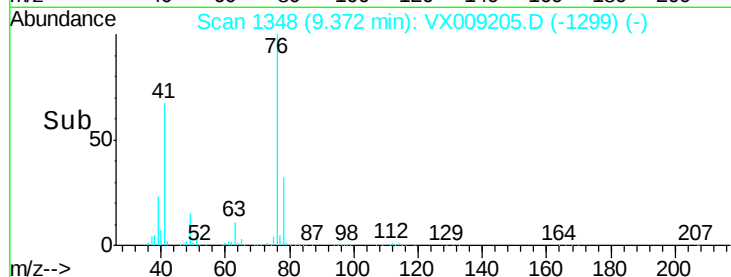
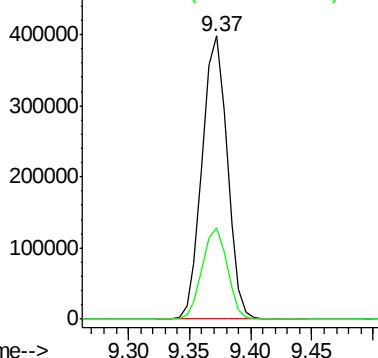
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 752.730 ug/l

RT: 8.32 min Scan# 1175

Delta R.T. 0.01 min

Lab File: VX009205.D

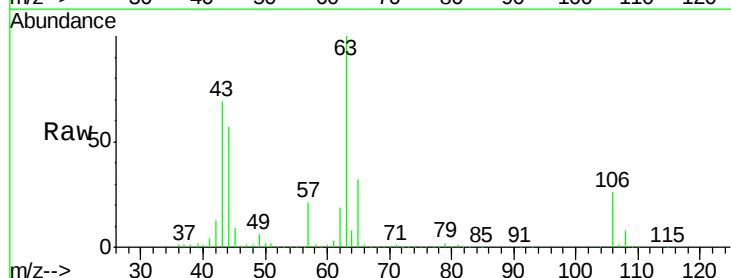
Acq: 29 Apr 2019 13:43

Tgt Ion: 63 Resp: 1582538

Ion Ratio Lower Upper

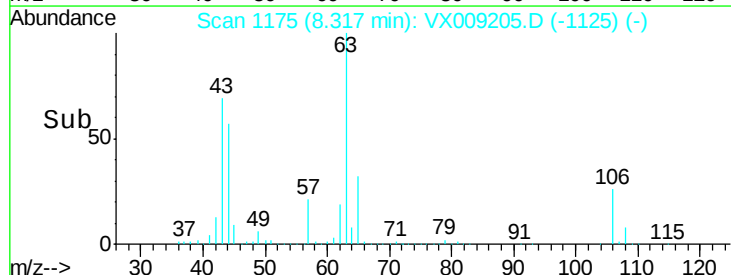
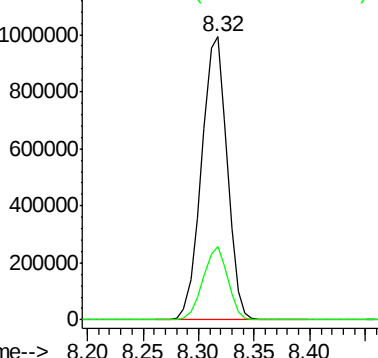
63 100

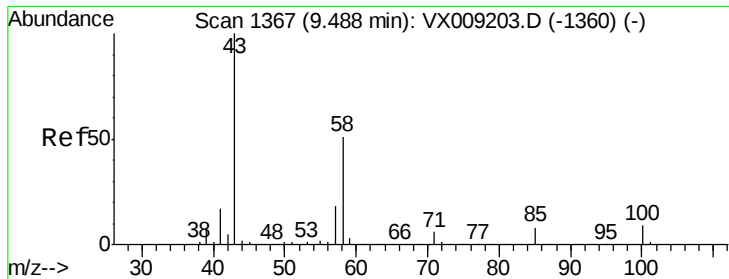
106 25.1 19.7 29.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





#59

2-Hexanone

Concen: 757.125 ug/l

RT: 9.49 min Scan# 1368

Delta R.T. 0.01 min

Lab File: VX009205.D

Acq: 29 Apr 2019 13:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 2403040

Ion Ratio Lower Upper

43 100

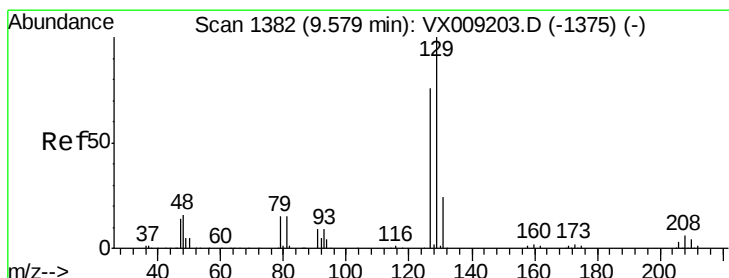
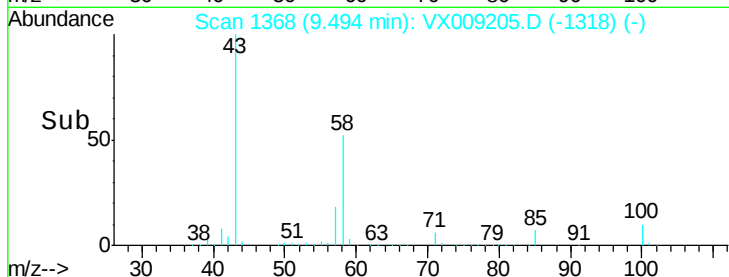
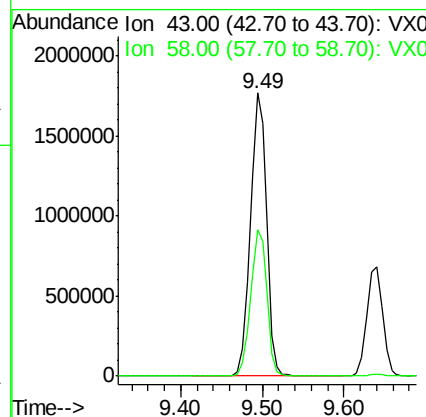
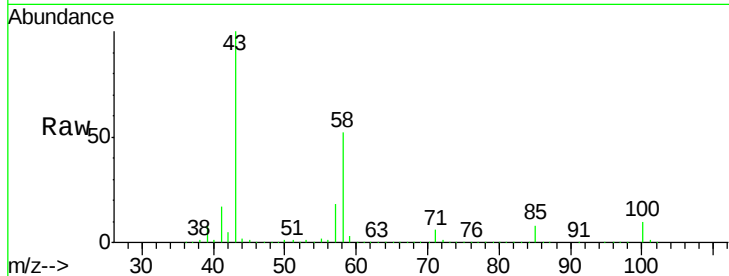
58 52.0 25.9 77.7

Manual Integrations

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#60

Dibromochloromethane

Concen: 165.176 ug/l

RT: 9.59 min Scan# 1383

Delta R.T. 0.01 min

Lab File: VX009205.D

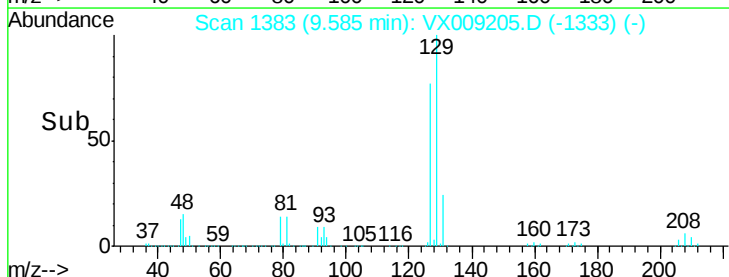
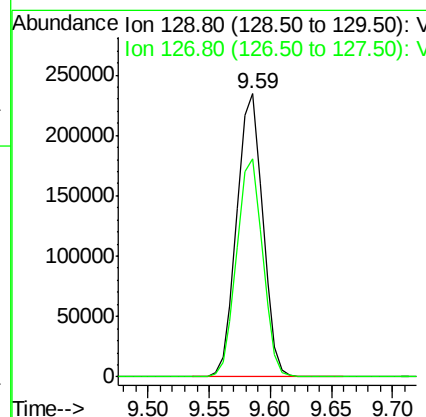
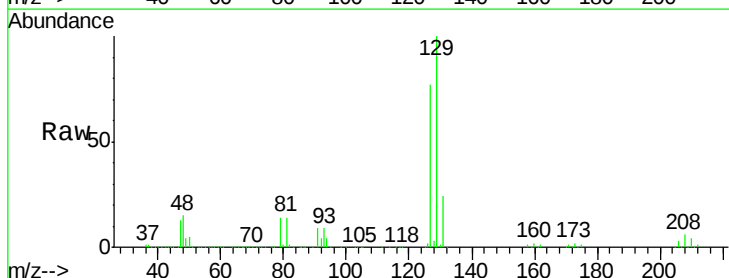
Acq: 29 Apr 2019 13:43

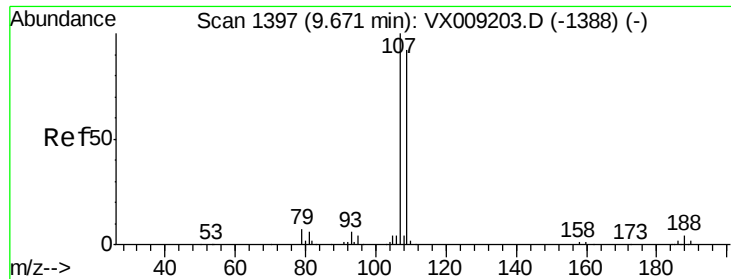
Tgt Ion: 129 Resp: 344035

Ion Ratio Lower Upper

129 100

127 77.2 38.4 115.1





#61

1,2-Dibromoethane

Concen: 149.263 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX009205.D

Acq: 29 Apr 2019 13:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tot Ion:107 Resp: 333431

Ion Ratio Lower Upper

107 100

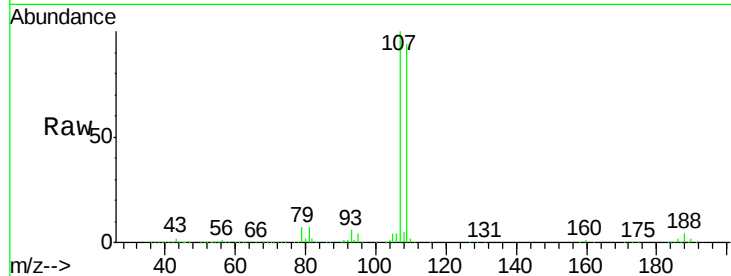
109 94.5 75.2 112.8

Manual Integrations

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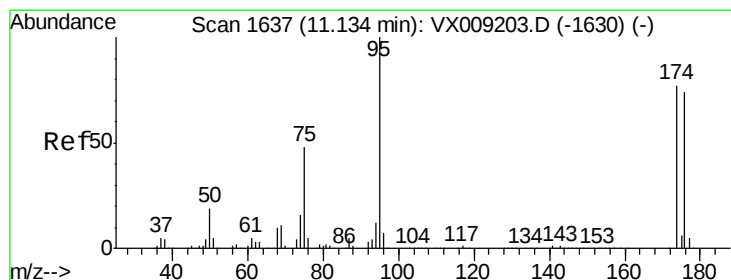
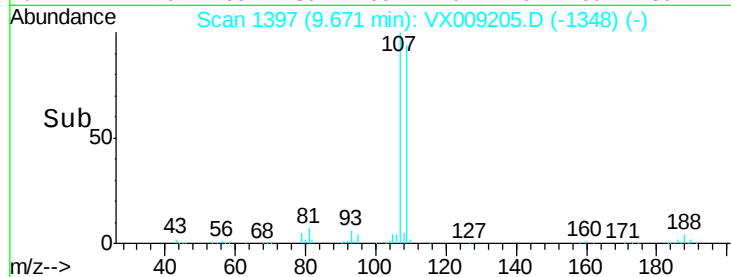
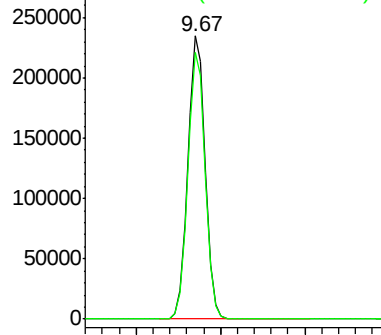
MMDadoda

4/30/2019 11:03:39 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 159.875 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009205.D

Acq: 29 Apr 2019 13:43

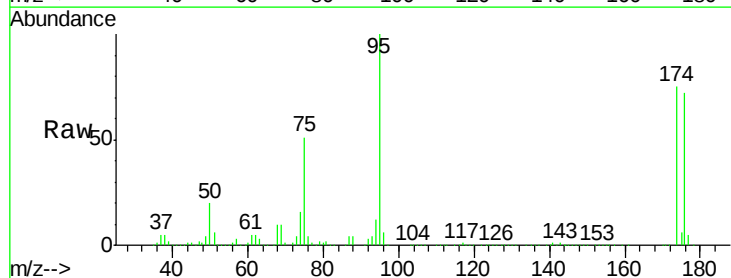
Tgt Ion: 95 Resp: 437942

Ion Ratio Lower Upper

95 100

174 81.6 0.0 161.6

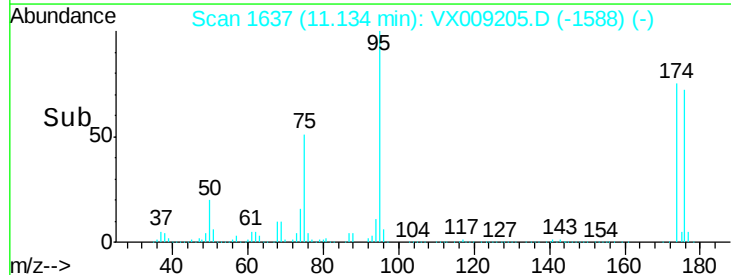
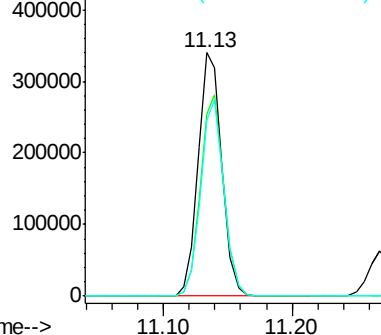
176 79.0 0.0 159.2

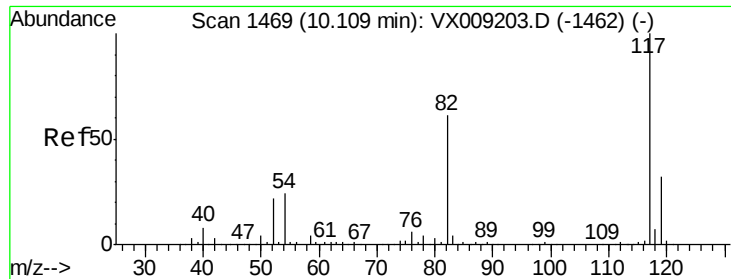


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





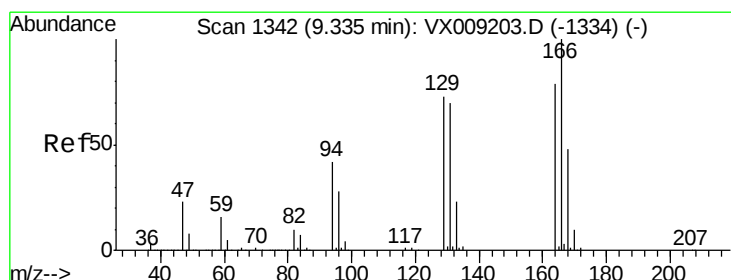
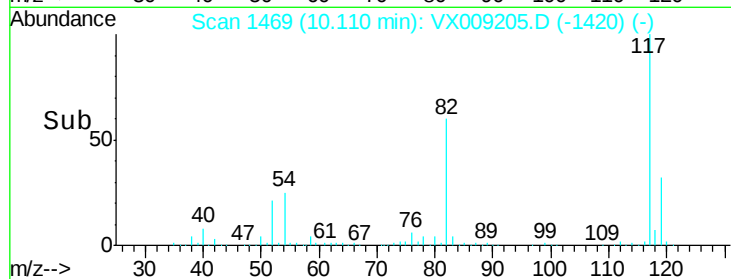
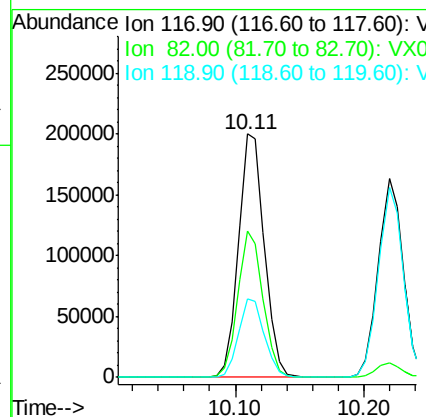
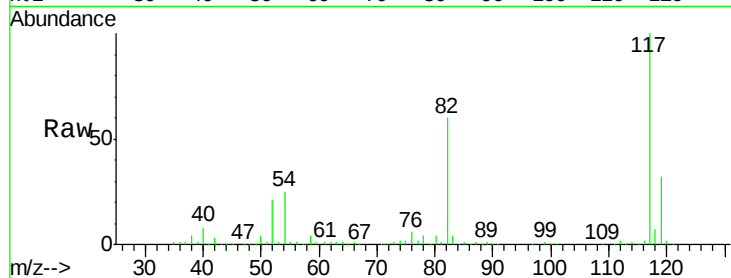
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009205.D
Acq: 29 Apr 2019 13:43

Instrument :
MSVOA_X
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.3	48.8	73.2
119	32.3	25.8	38.6

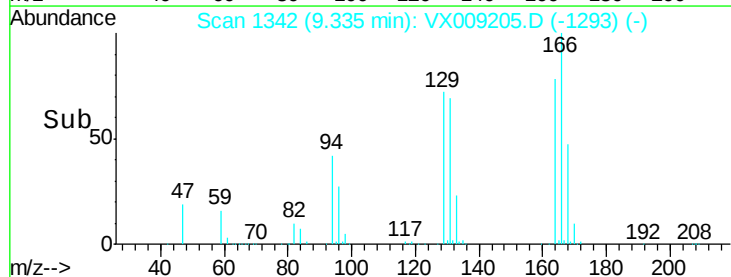
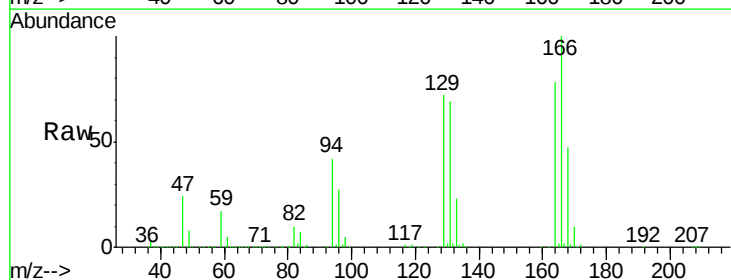
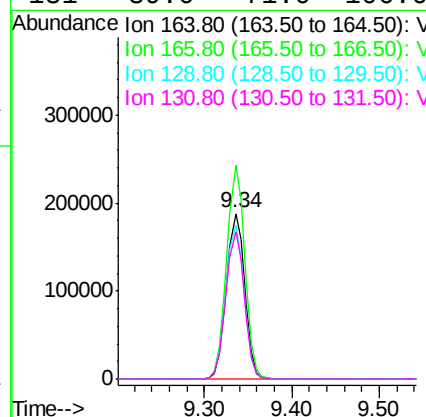
Manual Integrations
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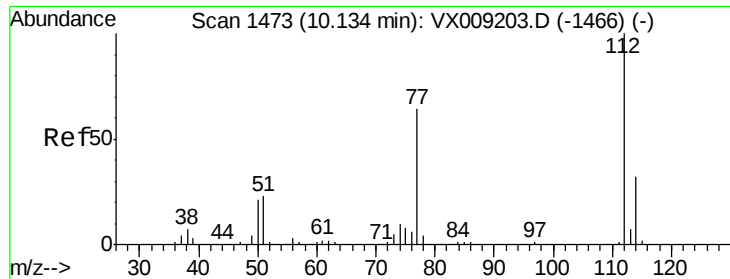
MMDadoda
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#64
Tetrachloroethene
Concen: 129.376 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX009205.D
Acq: 29 Apr 2019 13:43

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.0	101.2	151.8
129	92.4	74.3	111.5
131	89.0	71.0	106.6





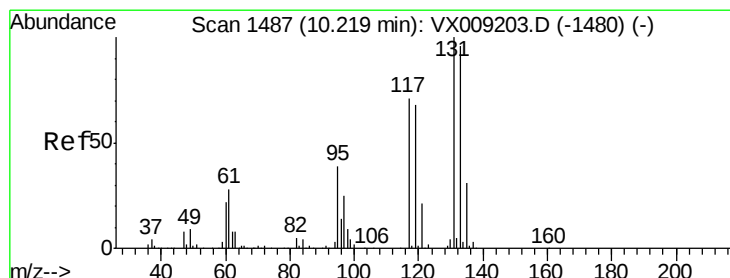
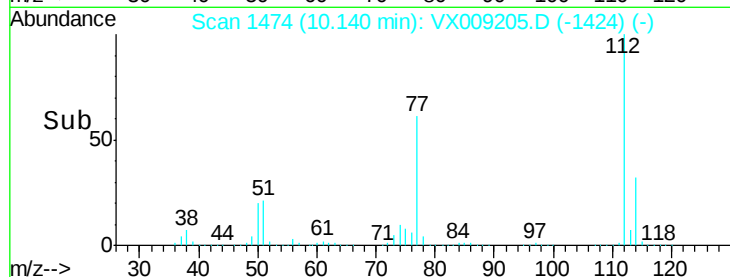
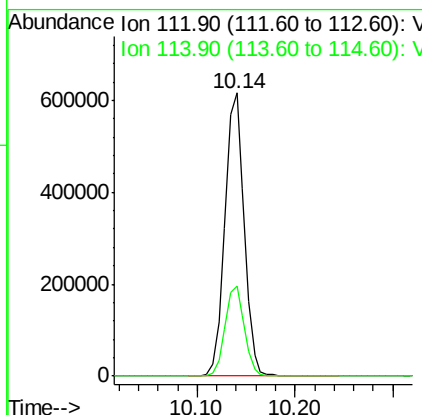
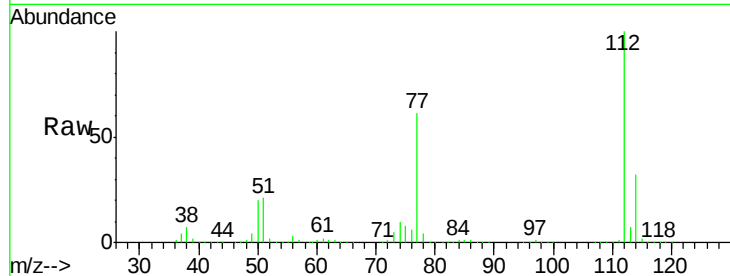
#65
Chlorobenzene
Concen: 142.323 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX009205.D
Acq: 29 Apr 2019 13:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion:112 Resp: 839307
Ion Ratio Lower Upper
112 100
114 31.7 25.5 38.3

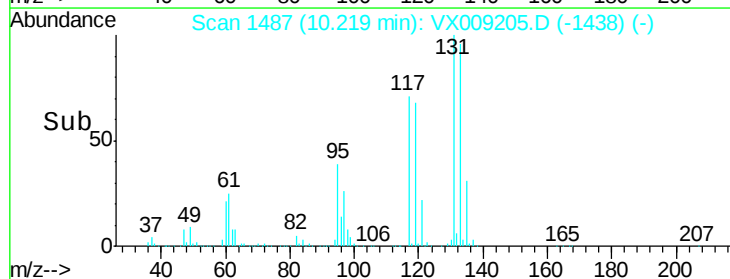
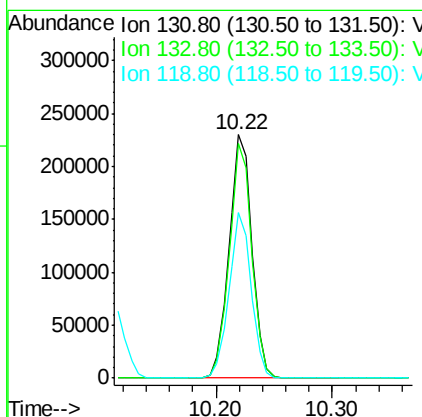
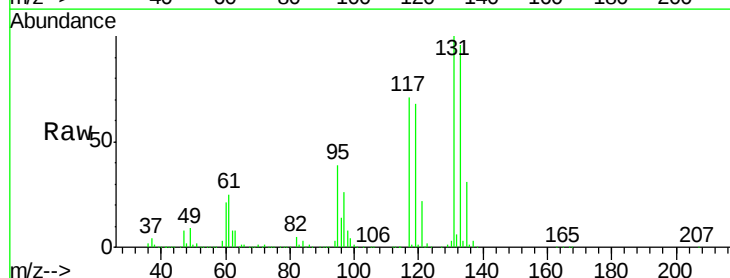
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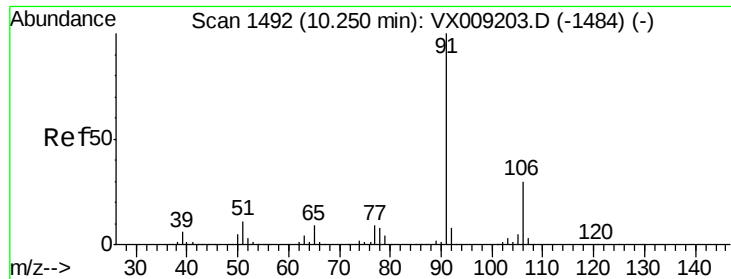
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#66
1,1,1,2-Tetrachloroethane
Concen: 150.635 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX009205.D
Acq: 29 Apr 2019 13:43

Tgt Ion:131 Resp: 312724
Ion Ratio Lower Upper
131 100
133 95.2 47.7 143.1
119 66.1 33.5 100.4





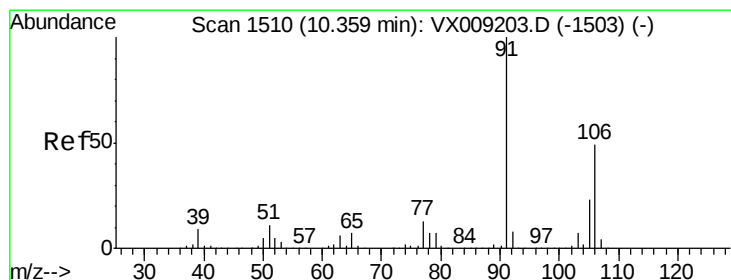
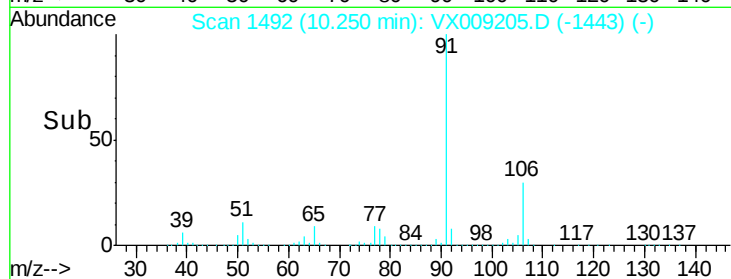
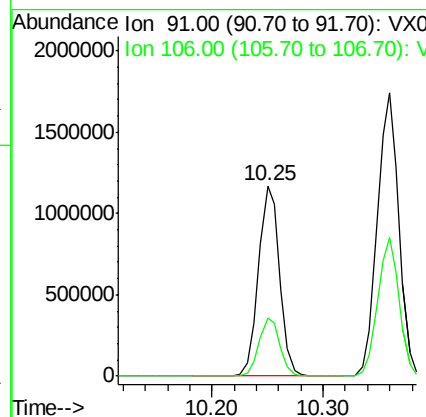
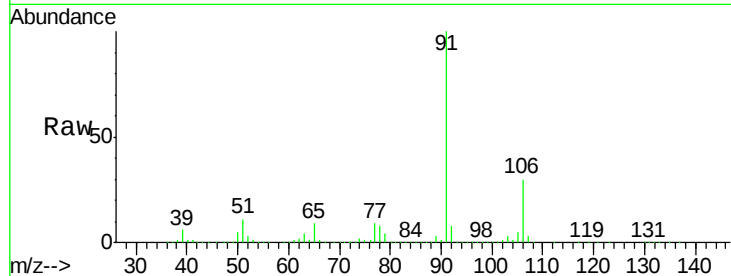
#67
Ethyl Benzene
Concen: 142.757 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX009205.D
Acq: 29 Apr 2019 13:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 1537212
Ion Ratio Lower Upper
91 100
106 30.5 24.0 36.0

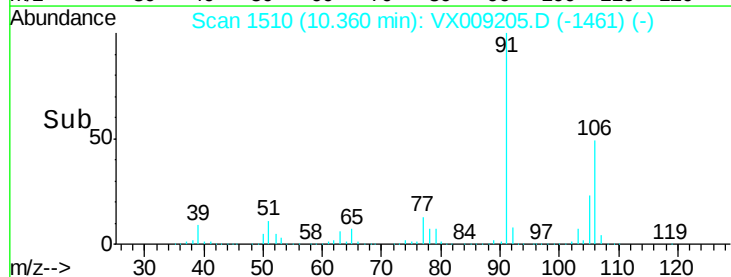
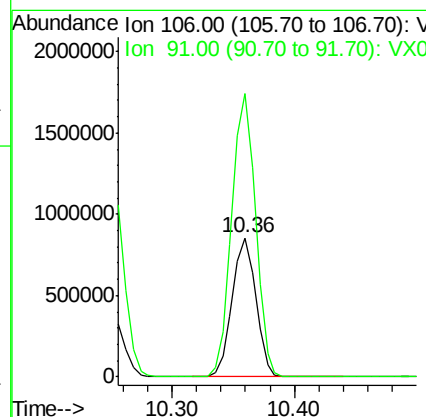
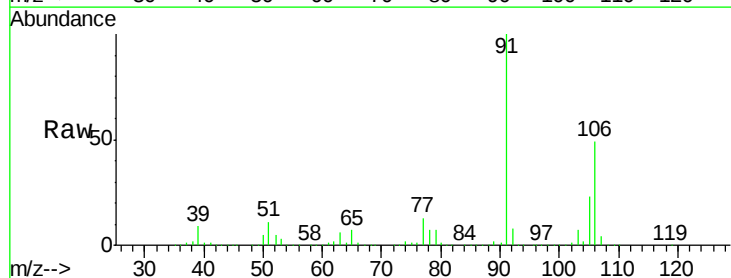
Manual Integrations
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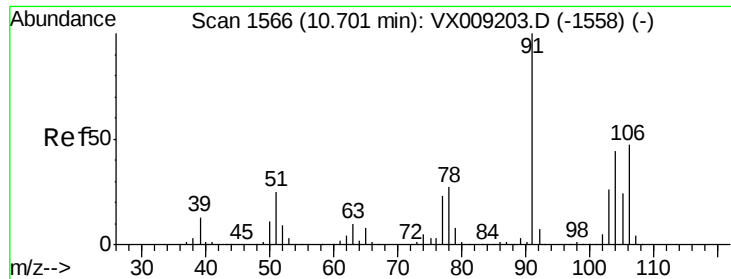
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4/30/2019 11:03:39 AM



#68
m/p-Xylenes
Concen: 290.967 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX009205.D
Acq: 29 Apr 2019 13:43

Tgt Ion: 106 Resp: 1141947
Ion Ratio Lower Upper
106 100
91 205.7 164.0 246.0





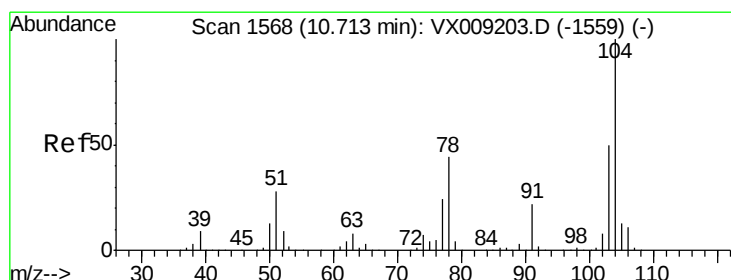
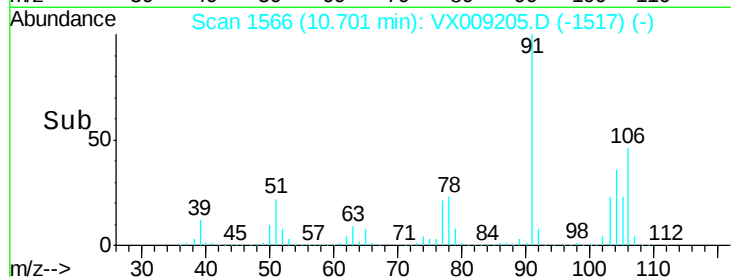
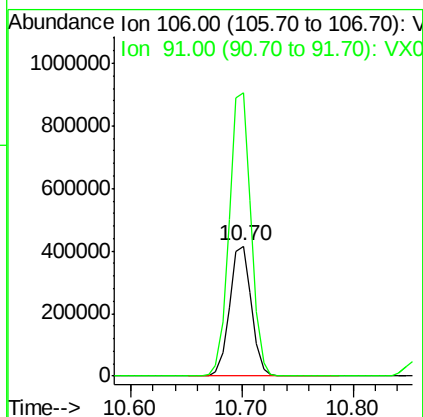
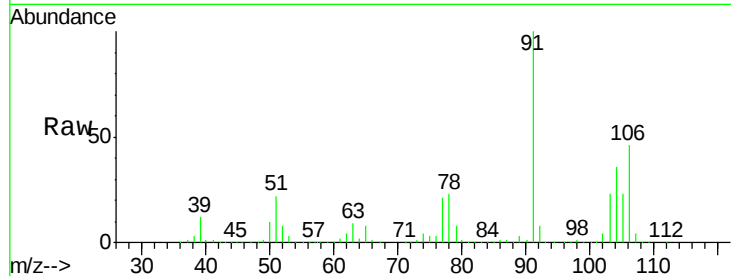
#69
o-Xylene
Concen: 145.895 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX009205.D
Acq: 29 Apr 2019 13:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
106	100		
91	218.9	109.5	328.4

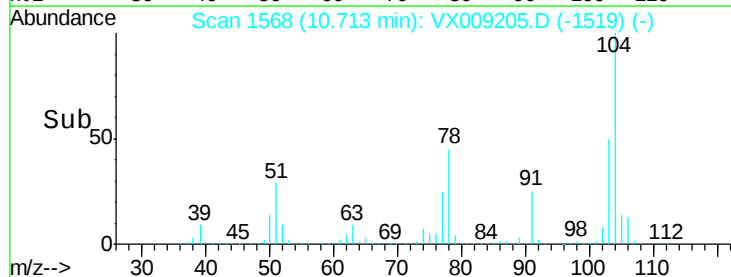
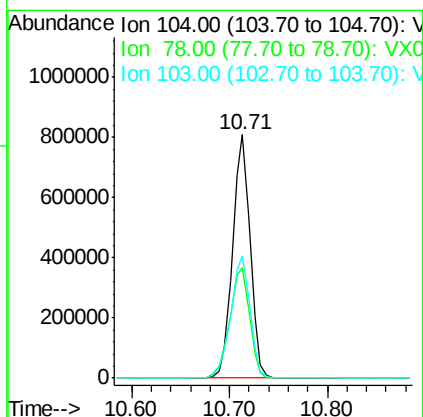
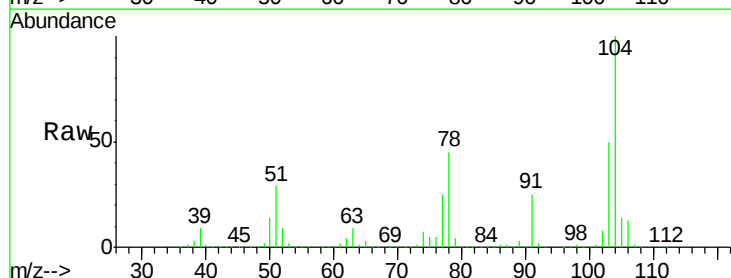
Manual Integrations
APPROVED

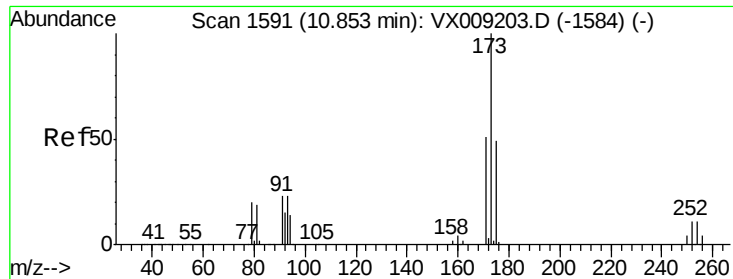
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#70
Styrene
Concen: 151.500 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX009205.D
Acq: 29 Apr 2019 13:43

Tgt Ion	Ratio	Lower	Upper
104	100		
78	51.6	41.0	61.4
103	55.1	43.8	65.6





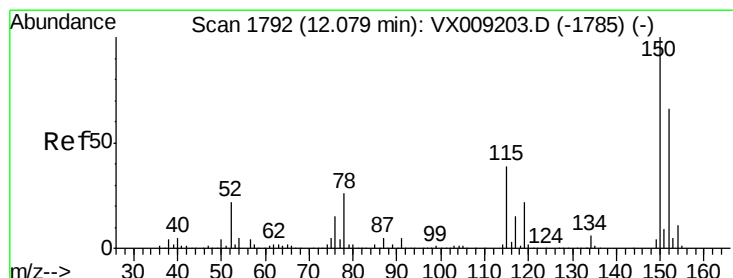
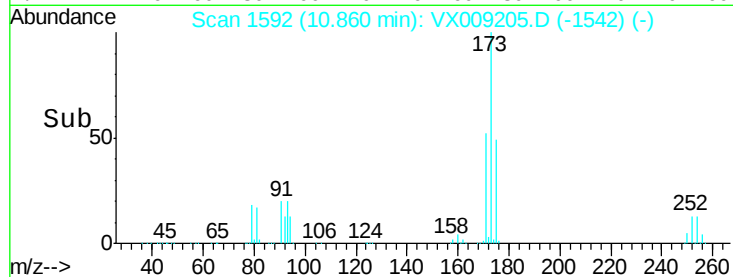
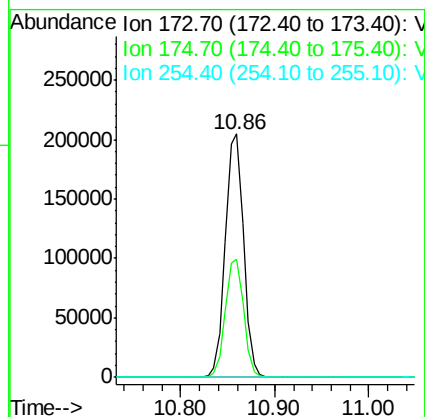
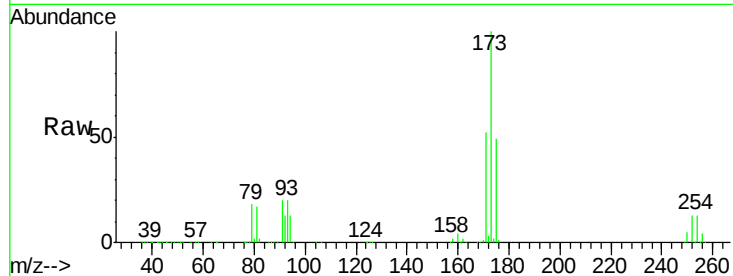
#71
Bromoform
Concen: 166.002 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. 0.01 min
Lab File: VX009205.D
Acq: 29 Apr 2019 13:43

Instrument :
MSVOA_X
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.5	73.5
254	0.2	0.1	0.1

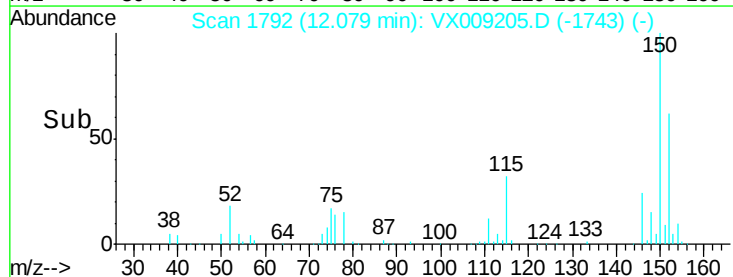
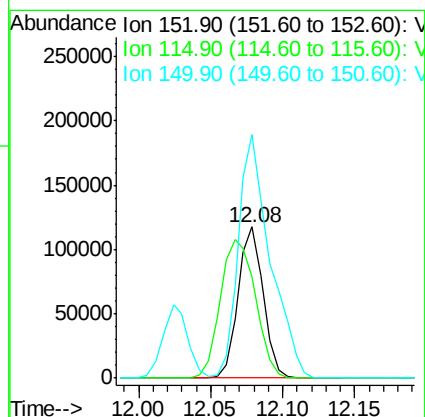
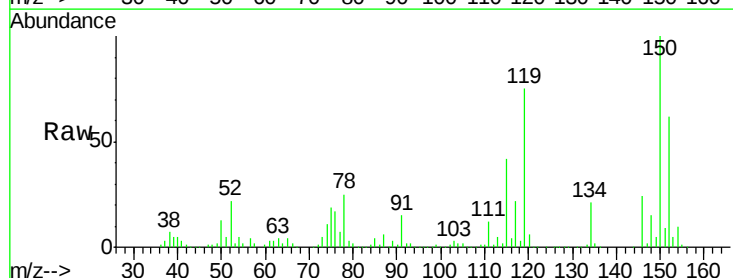
Manual Integrations
APPROVED

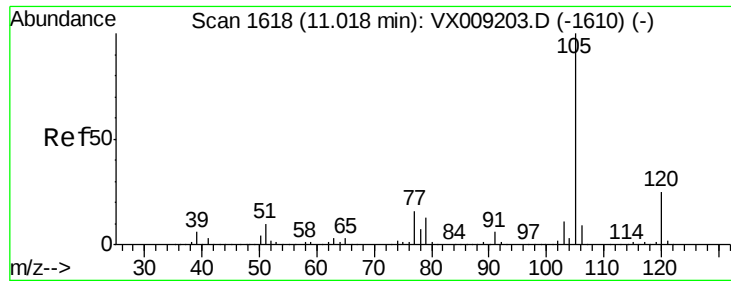
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX009205.D
Acq: 29 Apr 2019 13:43

Tgt Ion	Ratio	Lower	Upper
152	100		
115	128.4	41.2	123.6
150	204.3	0.0	346.4





#73

Isopropylbenzene

Concen: 138.818 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX009205.D

Acq: 29 Apr 2019 13:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 1495994

Ion Ratio Lower Upper

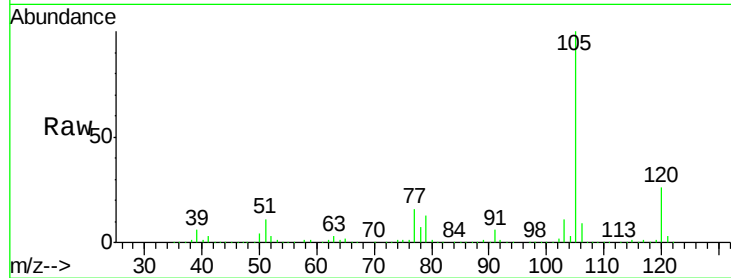
105 100

120 26.0 12.8 38.3

Manual Integrations
APPROVED

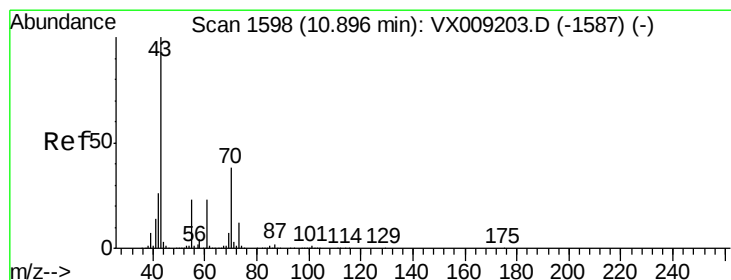
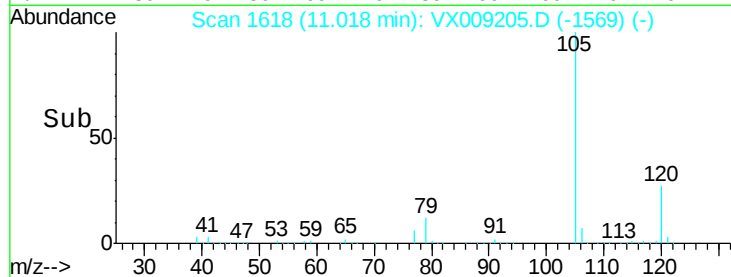
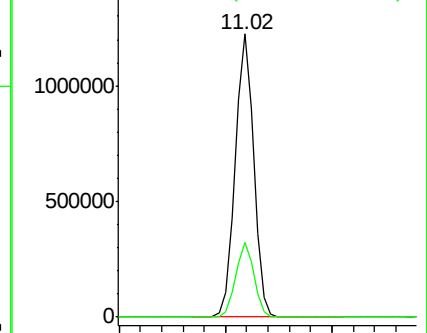
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 146.458 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX009205.D

Acq: 29 Apr 2019 13:43

Tgt Ion: 43 Resp: 911028

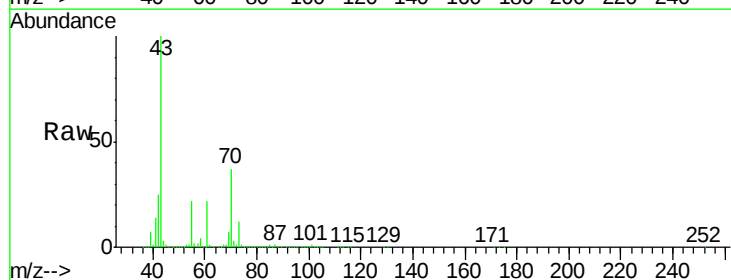
Ion Ratio Lower Upper

43 100

70 37.4 30.0 45.0

55 22.1 17.9 26.9

61 22.7 18.4 27.6

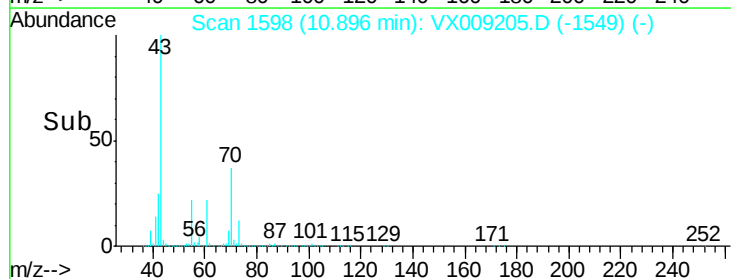
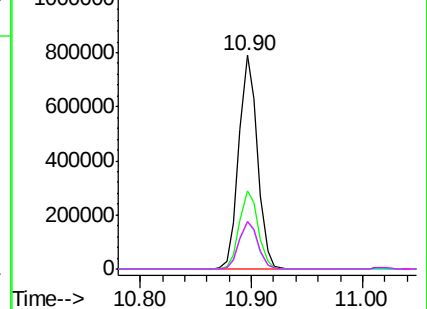


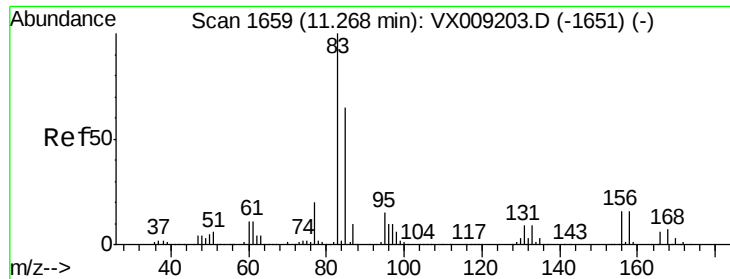
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 138.090 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX009205.D

Acq: 29 Apr 2019 13:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 546927

Ion Ratio Lower Upper

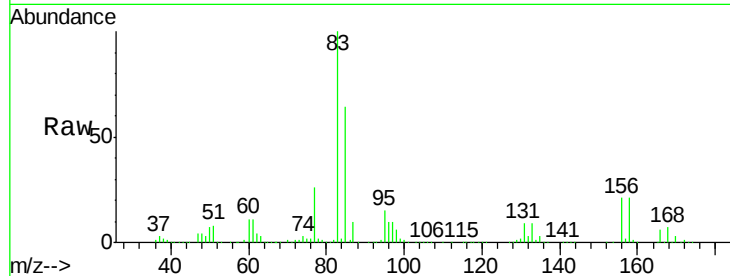
83 100

131 9.5 4.6 13.8

85 63.8 32.0 96.2

Manual Integrations
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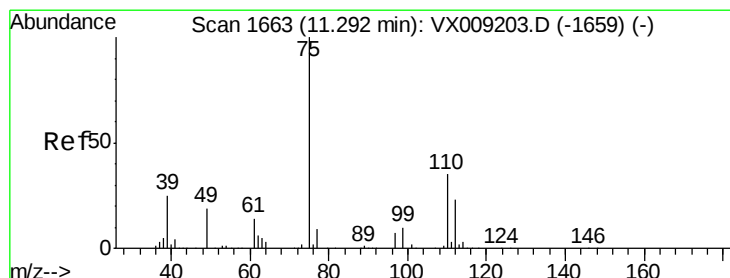
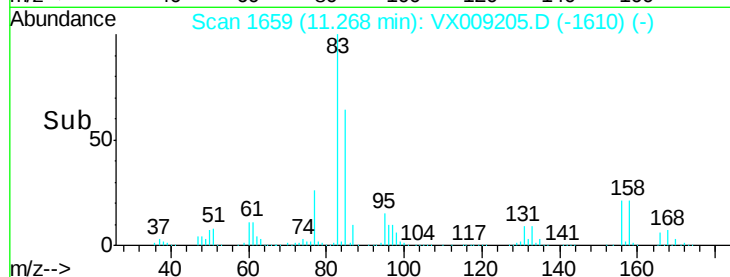
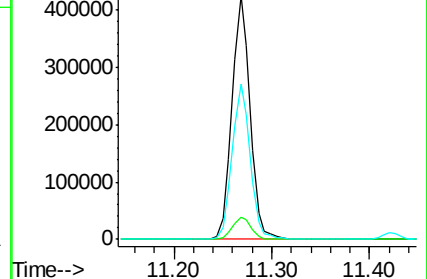
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Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 129.148 ug/l m

RT: 11.30 min Scan# 1664

Delta R.T. 0.01 min

Lab File: VX009205.D

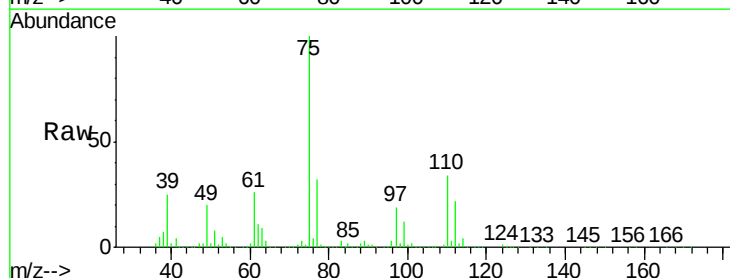
Acq: 29 Apr 2019 13:43

Tgt Ion: 75 Resp: 449408

Ion Ratio Lower Upper

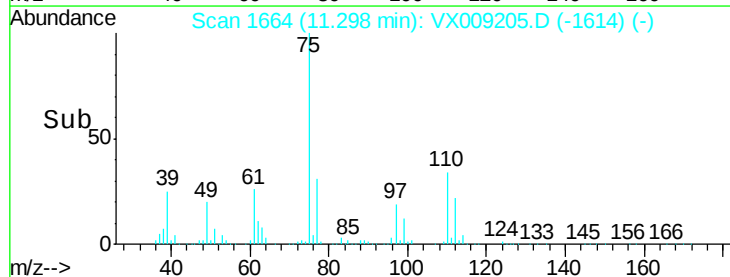
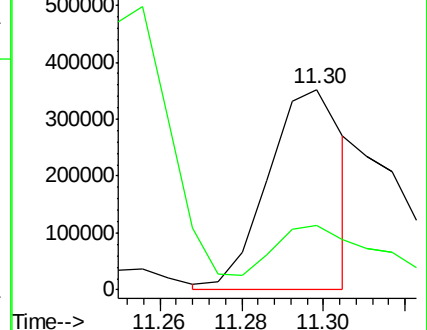
75 100

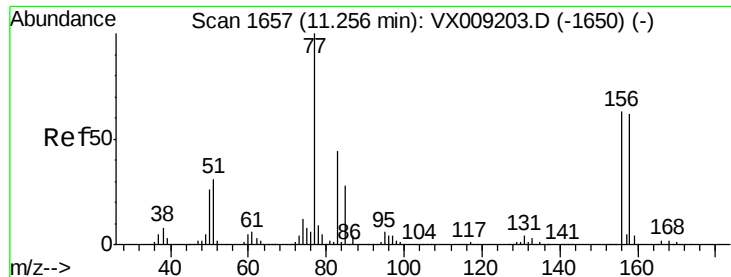
77 45.9 22.1 66.1



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 138.109 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX009205.D

Acq: 29 Apr 2019 13:43

Instrument :

MSVOA_X

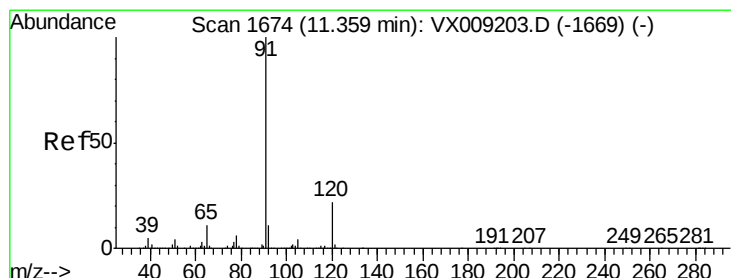
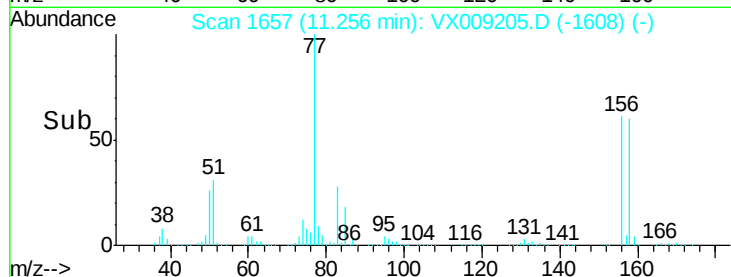
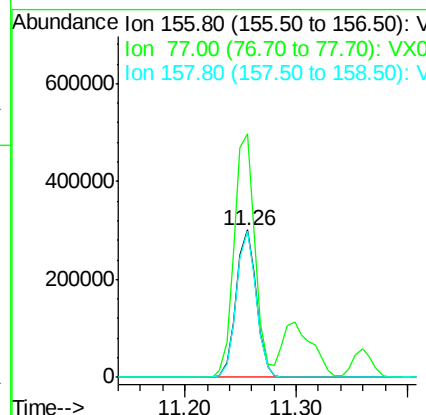
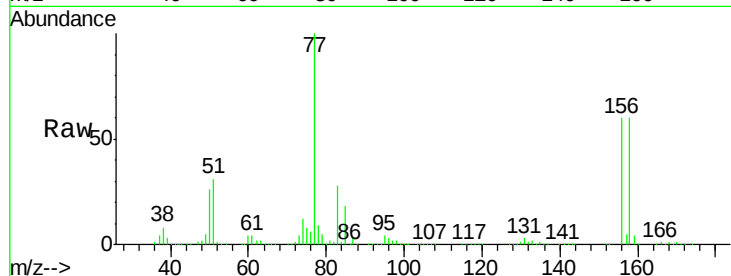
ClientSampleId :

VSTDIC150

Tot Ion	Ratio	Lower	Upper
156	100		
77	172.2	84.8	254.3
158	98.4	49.1	147.3

Manual Integrations
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#78

n-propylbenzene

Concen: 143.264 ug/l

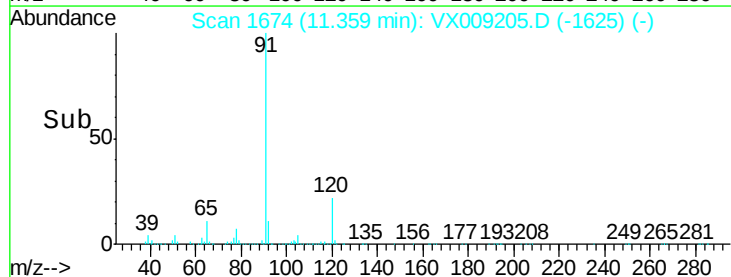
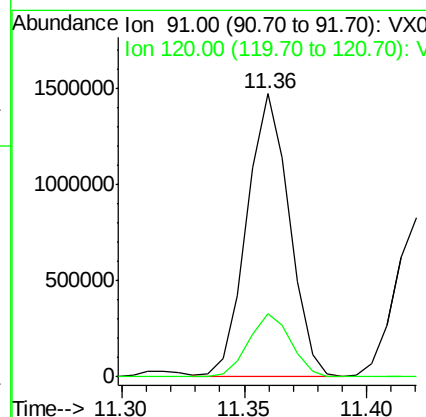
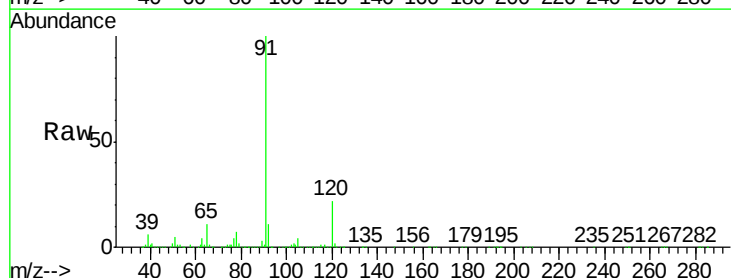
RT: 11.36 min Scan# 1674

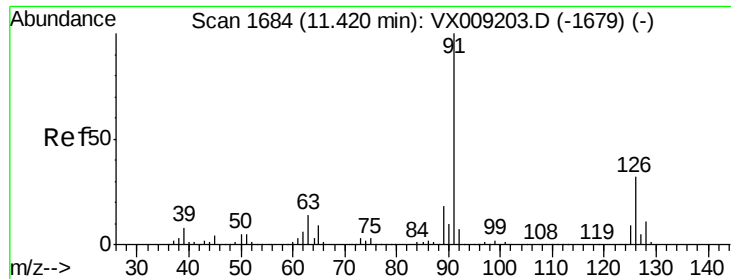
Delta R.T. 0.00 min

Lab File: VX009205.D

Acq: 29 Apr 2019 13:43

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.0	33.0





#79

2-Chlorotoluene

Concen: 139.706 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX009205.D

Acq: 29 Apr 2019 13:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 1041906

Ion Ratio Lower Upper

91 100

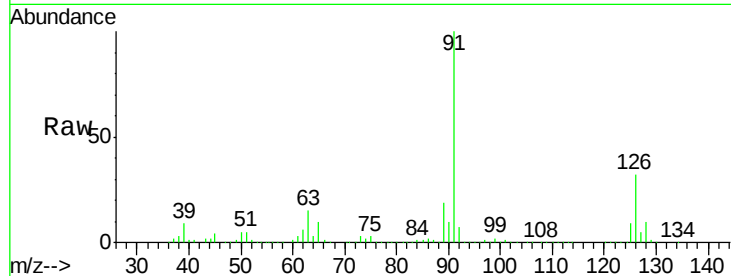
126 32.4 16.3 48.9

Manual Integrations

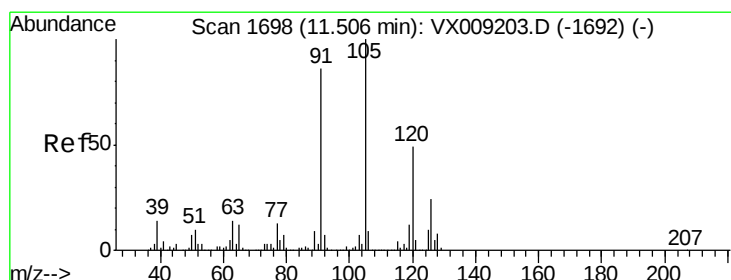
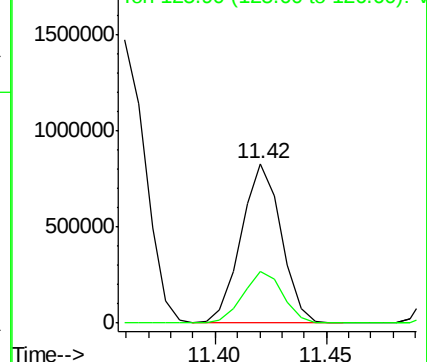
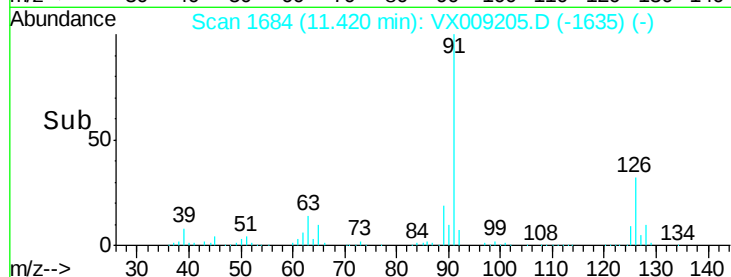
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Abundance Ion 91.00 (90.70 to 91.70): VX009205.D (-1635) (-)



#80

1,3,5-Trimethylbenzene

Concen: 142.927 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX009205.D

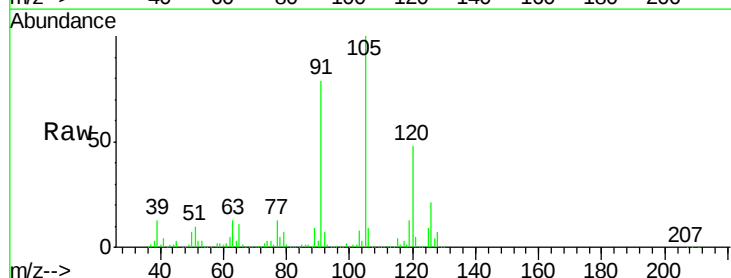
Acq: 29 Apr 2019 13:43

Tgt Ion:105 Resp: 1293429

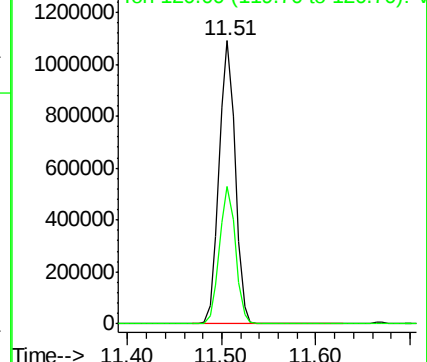
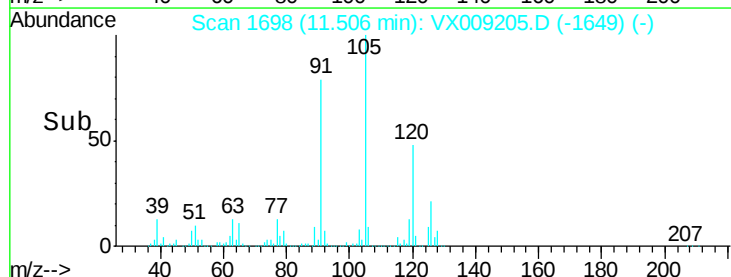
Ion Ratio Lower Upper

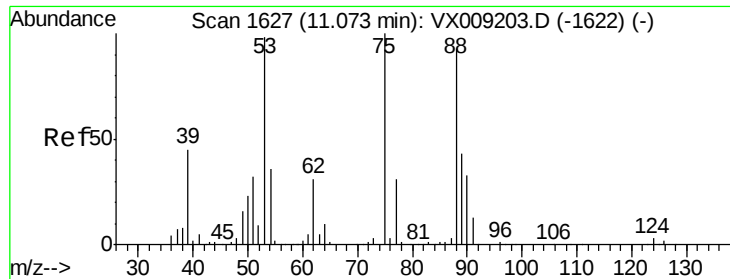
105 100

120 48.2 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): VX009205.D (-1649) (-)





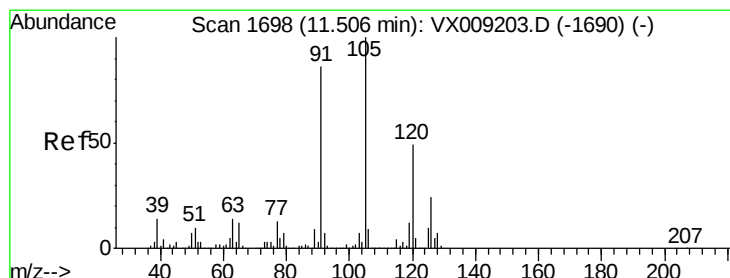
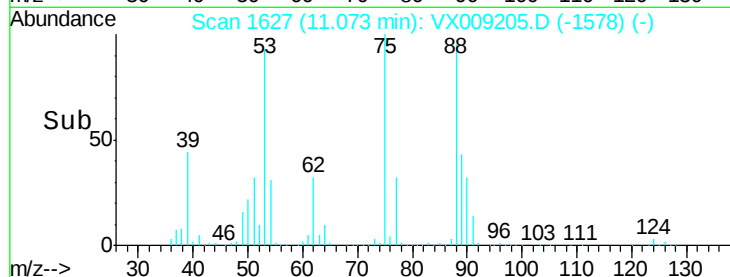
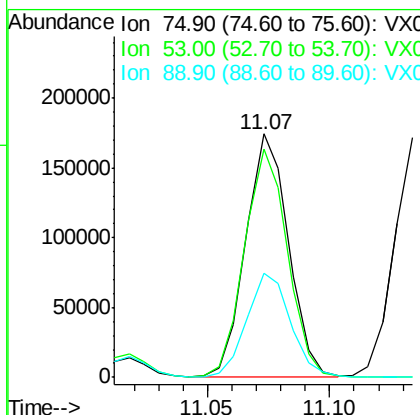
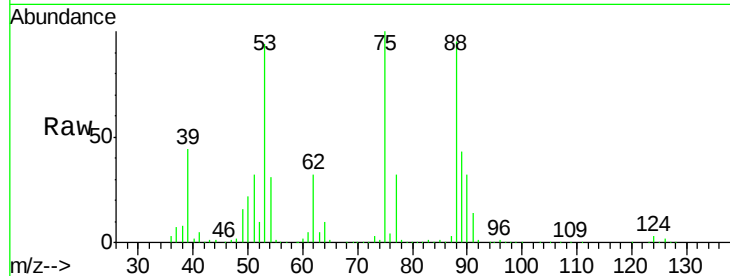
#81
trans-1,4-Dichloro-2-butene
Concen: 157.104 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX009205.D
Acq: 29 Apr 2019 13:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
53	94.5	79.0	118.6
89	44.1	34.7	52.1

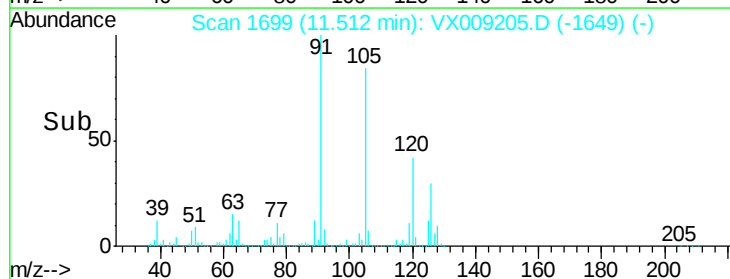
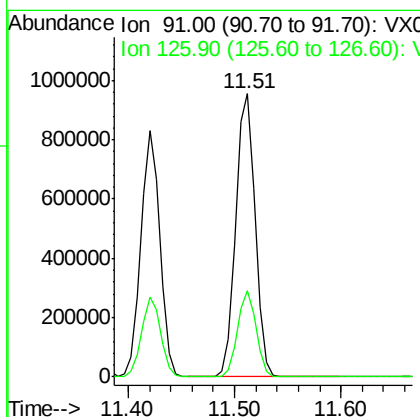
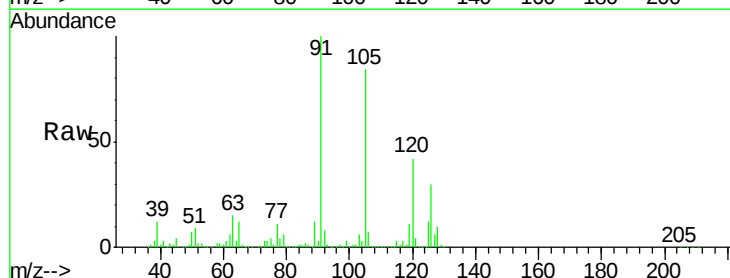
Manual Integrations
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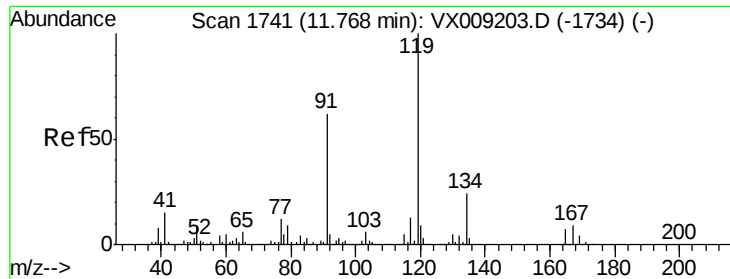
MMDadoda
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#82
4-Chlorotoluene
Concen: 141.215 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.01 min
Lab File: VX009205.D
Acq: 29 Apr 2019 13:43

Tgt Ion	Ratio	Lower	Upper
91	100		
126	29.0	14.5	43.6





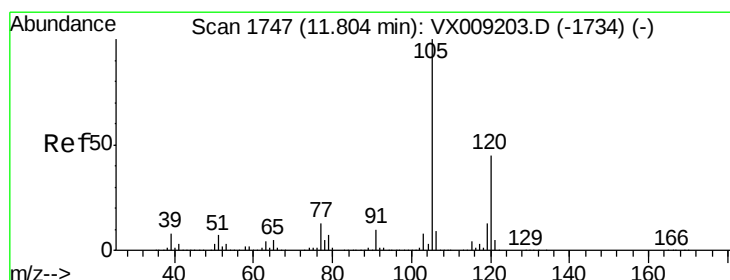
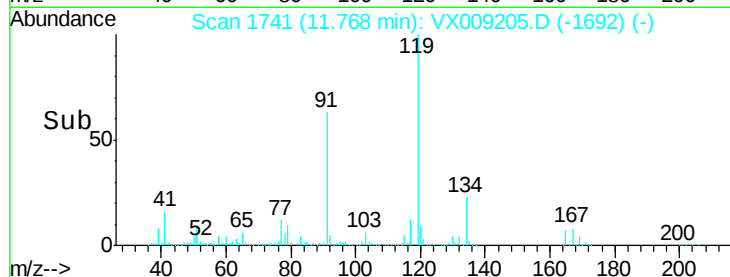
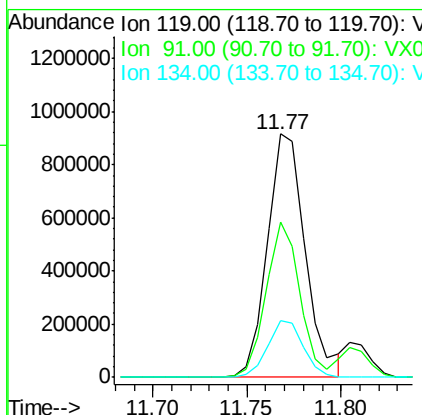
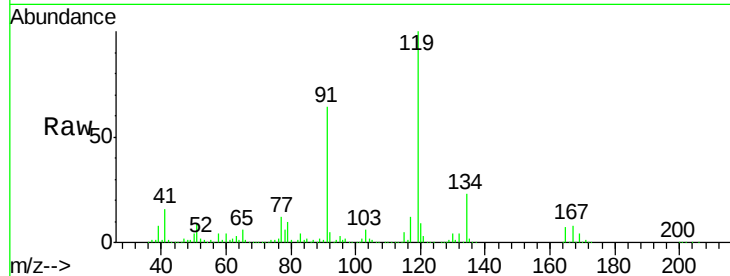
#83
tert-Butylbenzene
Concen: 146.637 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX009205.D
Acq: 29 Apr 2019 13:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
119	100		
91	56.8	29.5	88.5
134	21.8	11.4	34.1

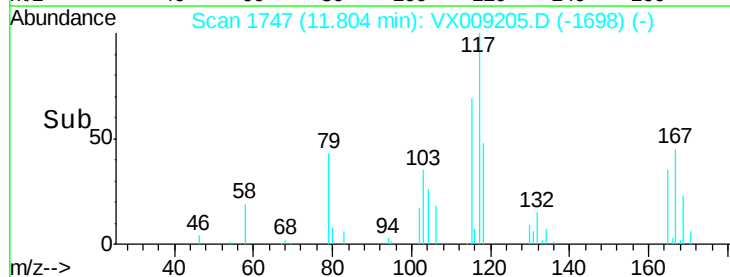
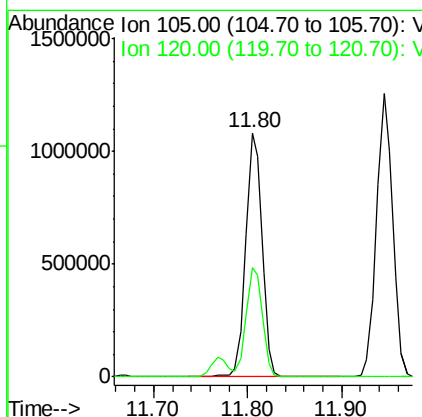
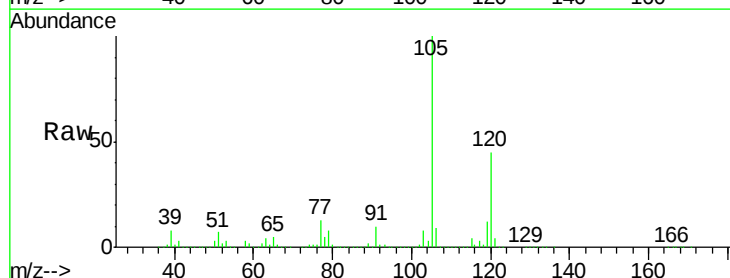
Manual Integrations
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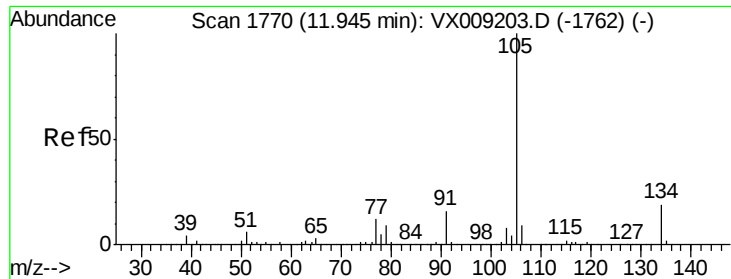
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#84
1,2,4-Trimethylbenzene
Concen: 141.057 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX009205.D
Acq: 29 Apr 2019 13:43

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.5	22.0	66.0





#85

sec-Butylbenzene

Concen: 144.795 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX009205.D

Acq: 29 Apr 2019 13:43

Instrument :

MSVOA_X

ClientSampled :

VSTDIC150

Tot Ion:105 Resp: 1501904

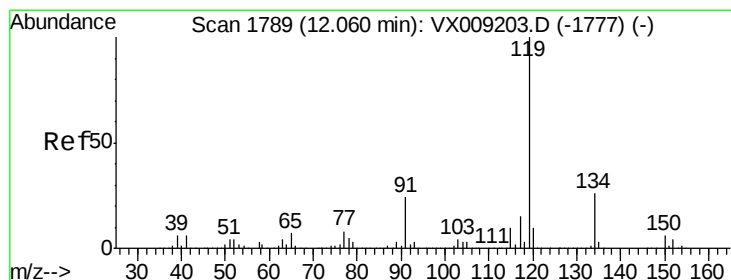
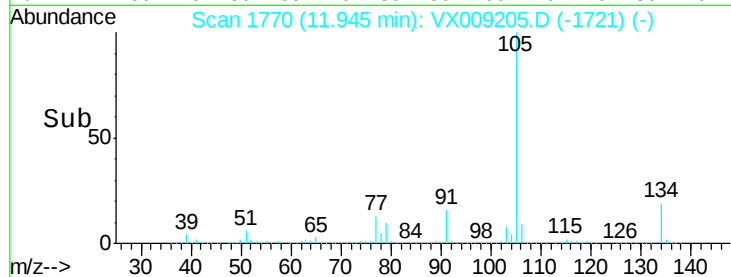
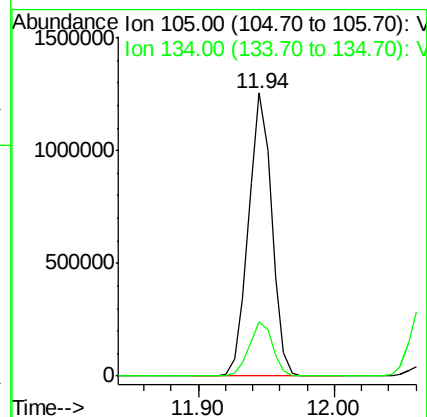
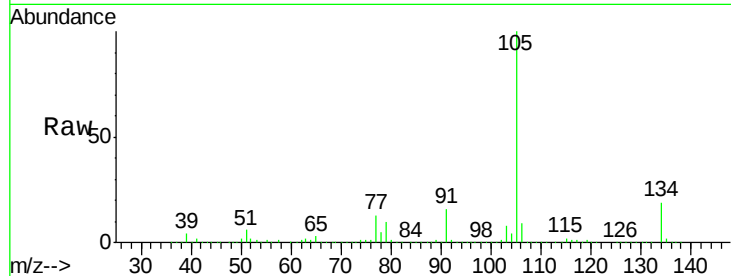
Ion Ratio Lower Upper

105 100

134 19.4 9.7 28.9

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 144.183 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX009205.D

Acq: 29 Apr 2019 13:43

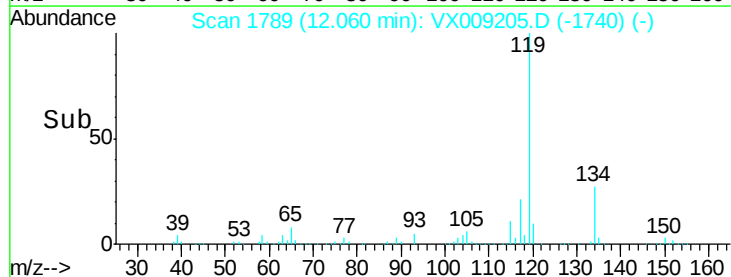
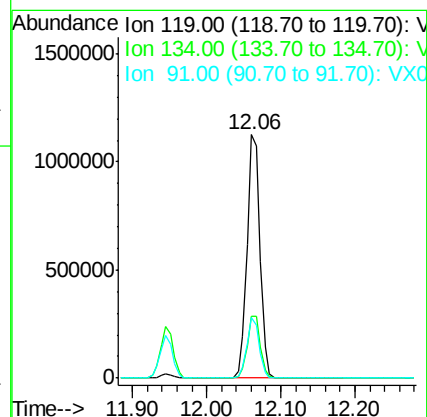
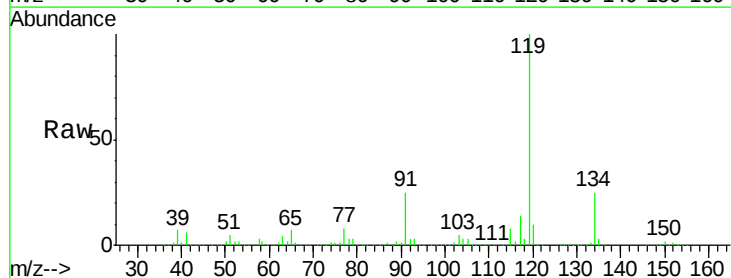
Tgt Ion:119 Resp: 1374002

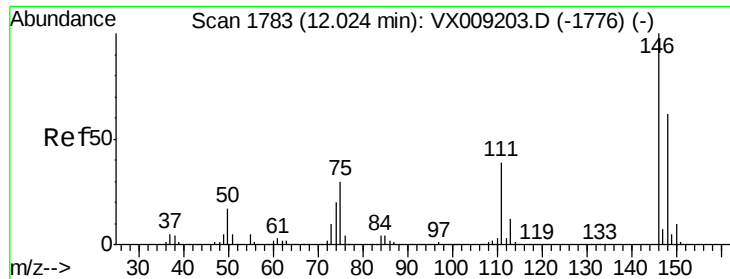
Ion Ratio Lower Upper

119 100

134 25.8 12.9 38.7

91 23.8 11.8 35.4





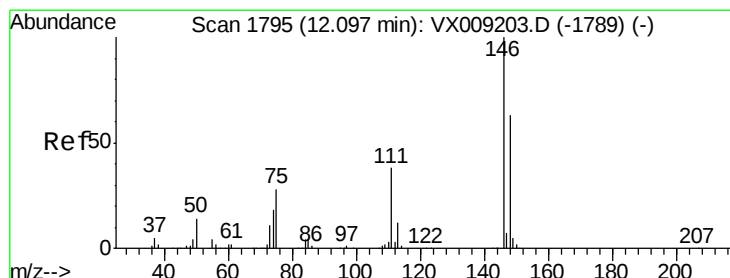
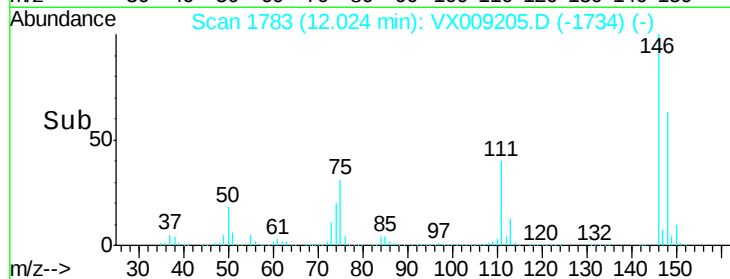
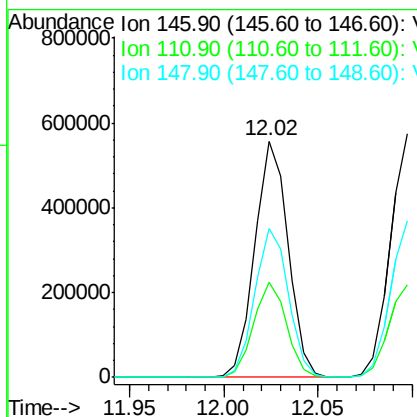
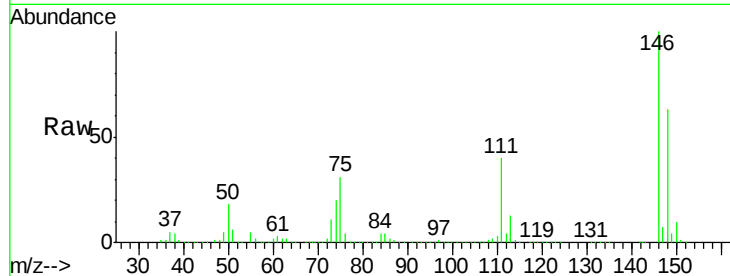
#87
 1,3-Dichlorobenzene
 Concen: 142.671 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX009205.D
 Acq: 29 Apr 2019 13:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.0	59.9
148	63.8	31.8	95.3

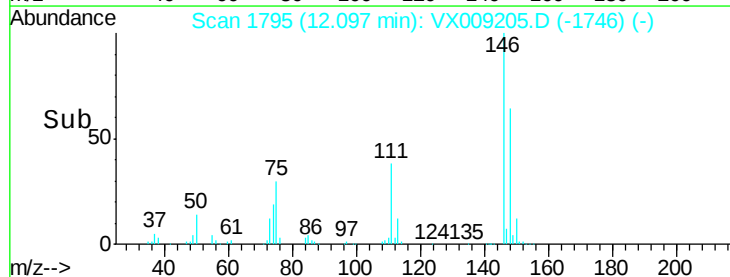
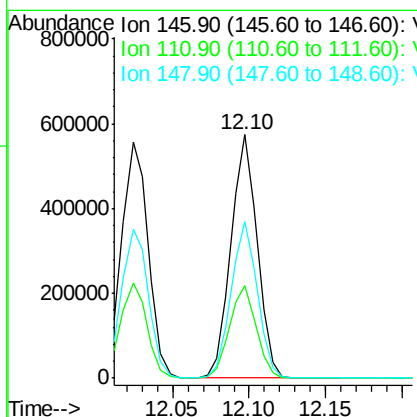
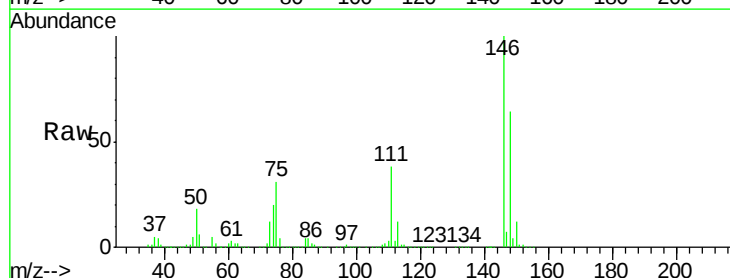
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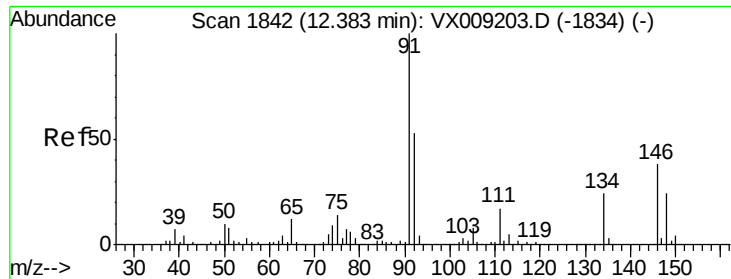
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#88
 1,4-Dichlorobenzene
 Concen: 140.772 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX009205.D
 Acq: 29 Apr 2019 13:43

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.6	58.8
148	64.2	31.8	95.3





#89

n-Butylbenzene

Concen: 147.597 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. 0.00 min

Lab File: VX009205.D

Acq: 29 Apr 2019 13:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 1302313

Ion Ratio Lower Upper

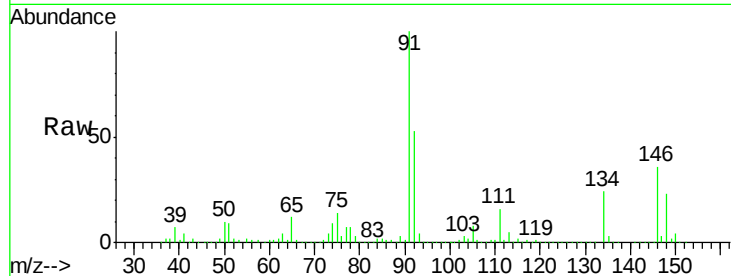
91 100

92 53.2 26.5 79.5

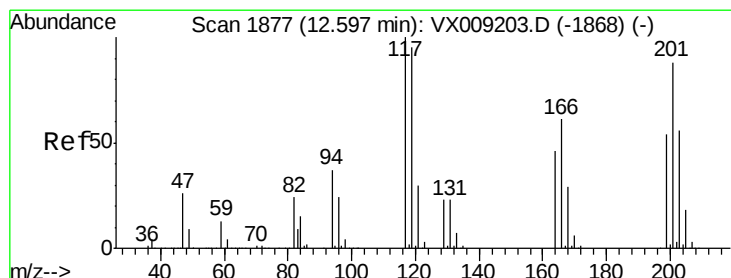
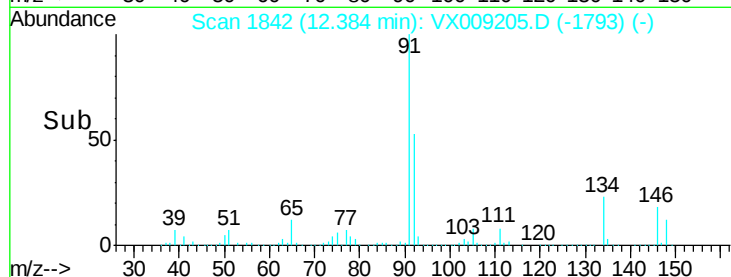
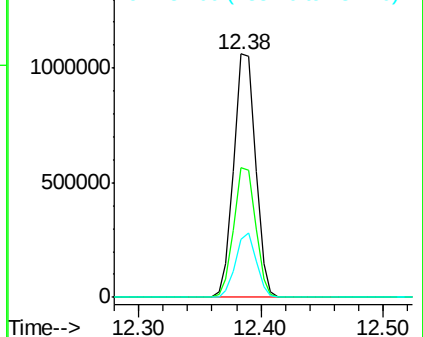
134 25.2 12.4 37.2

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Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 92.00 (91.70 to 92.70): VX0
Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 153.611 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX009205.D

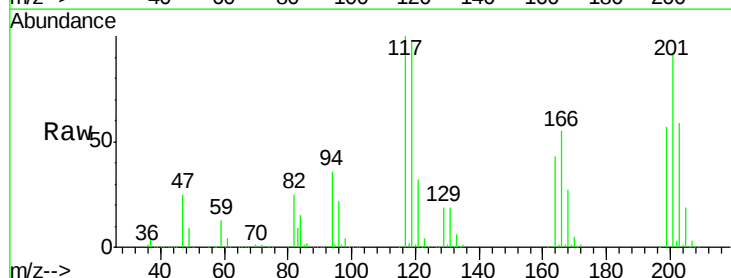
Acq: 29 Apr 2019 13:43

Tgt Ion: 117 Resp: 241736

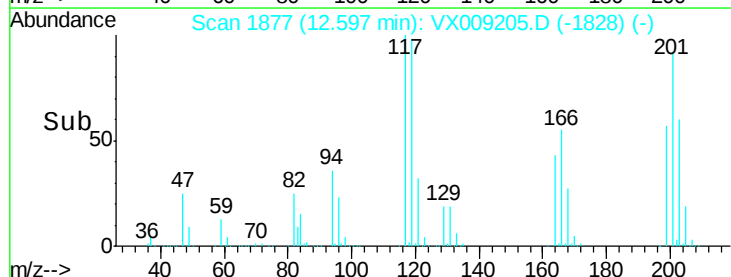
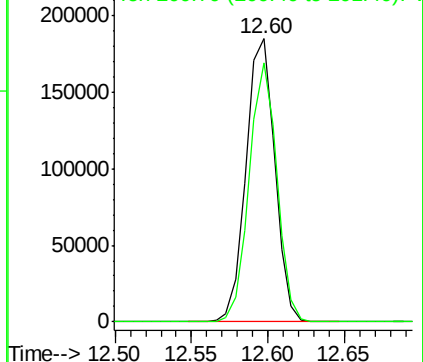
Ion Ratio Lower Upper

117 100

201 88.3 42.3 126.9



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V





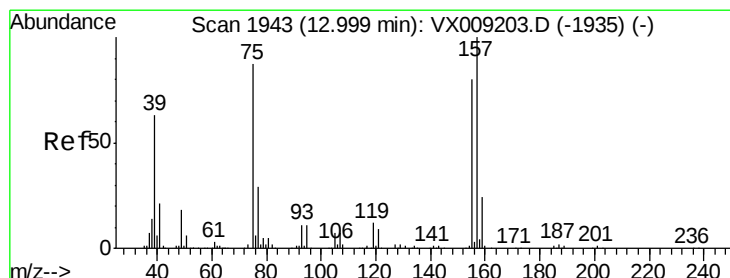
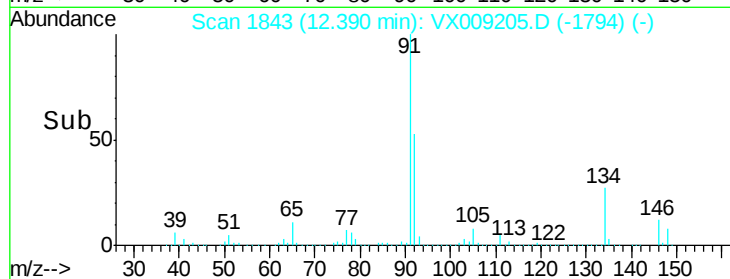
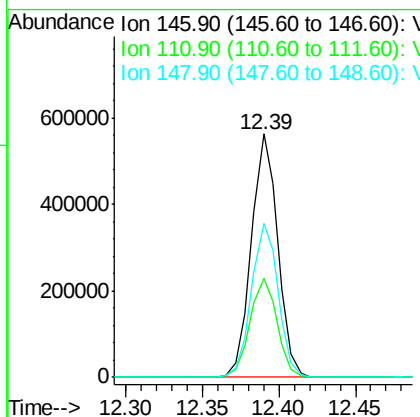
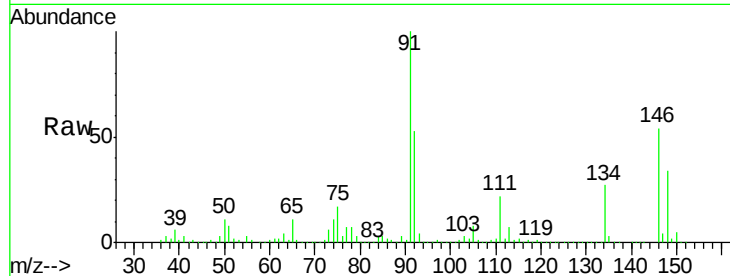
#91
 1,2-Dichlorobenzene
 Concen: 142.274 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX009205.D
 Acq: 29 Apr 2019 13:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.8	62.4
148	64.1	31.9	95.9

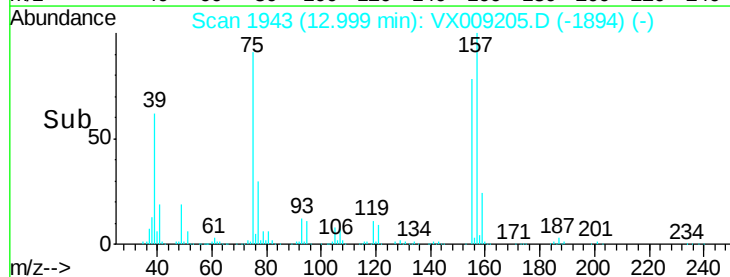
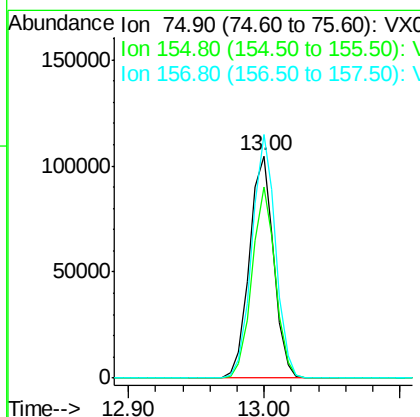
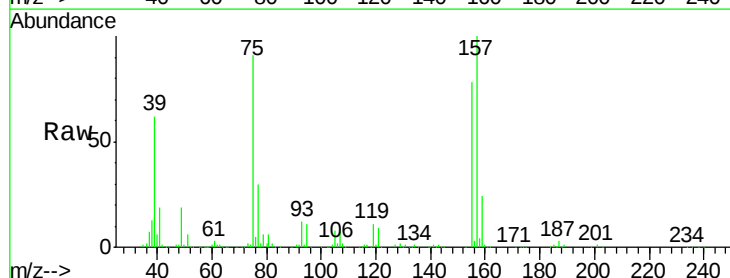
Manual Integrations
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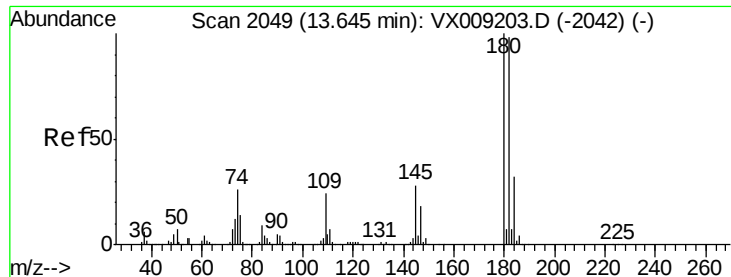
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 144.477 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX009205.D
 Acq: 29 Apr 2019 13:43

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.5	42.0	126.0
157	106.6	53.2	159.6





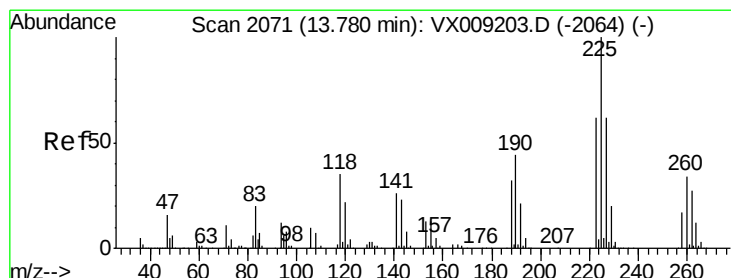
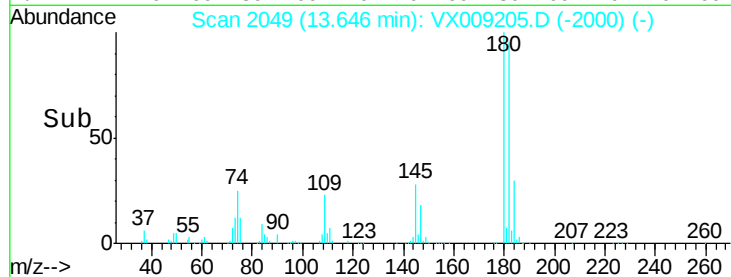
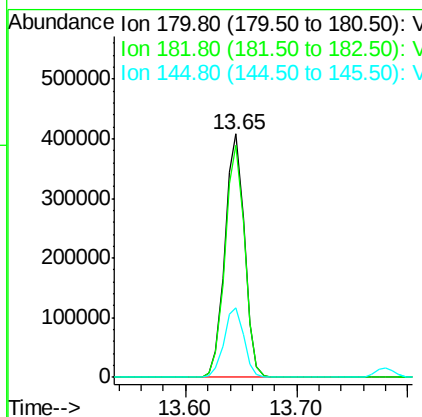
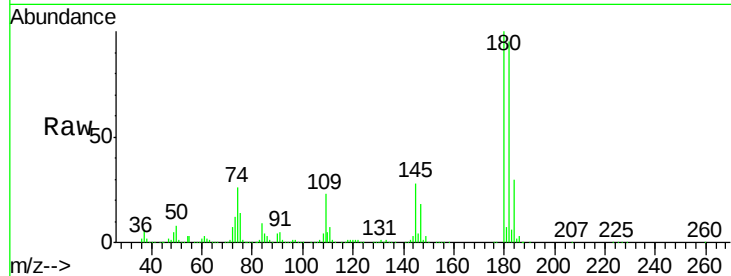
#93
 1,2,4-Trichlorobenzene
 Concen: 145.025 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX009205.D
 Acq: 29 Apr 2019 13:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
180	100	493947		
182	95.6	48.4	145.2	
145	29.2	14.6	43.8	

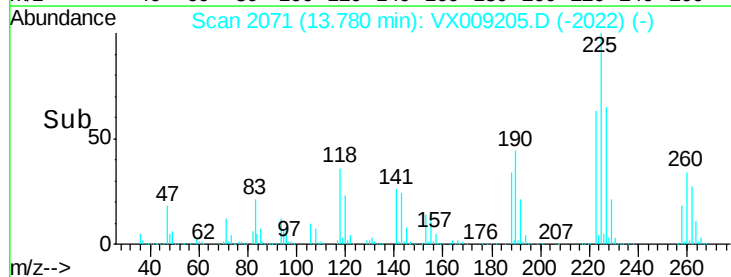
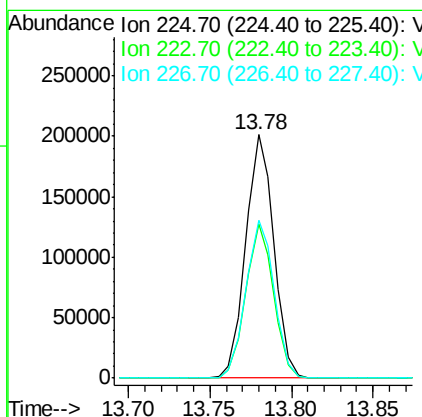
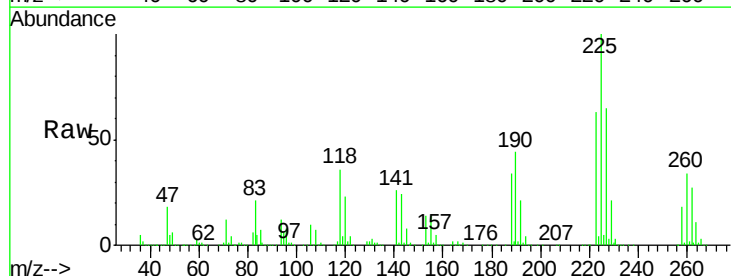
Manual Integrations
 APPROVED

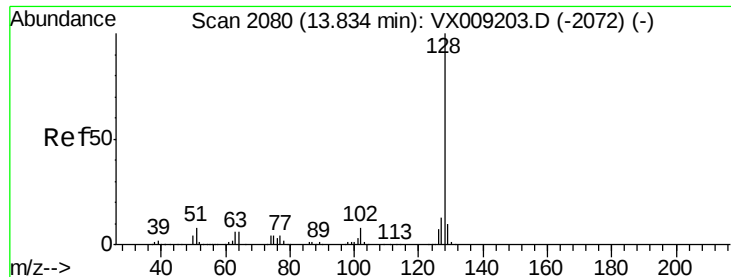
MMDadoda
 4/30/2019 11:03:39 AM



#94
 Hexachlorobutadiene
 Concen: 142.704 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX009205.D
 Acq: 29 Apr 2019 13:43

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	242541		
223	62.7	31.3	93.8	
227	65.1	31.8	95.3	





#95

Naphthalene

Concen: 145.616 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX009205.D

Acq: 29 Apr 2019 13:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:128 Resp: 1594664

Ion Ratio Lower Upper

128 100

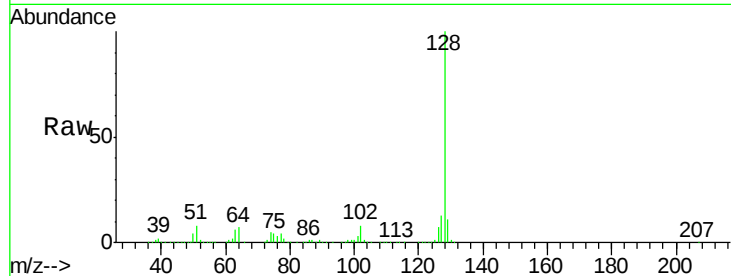
127 13.2 10.4 15.6

129 10.9 8.6 13.0

Manual Integrations
APPROVED

MMDadoda

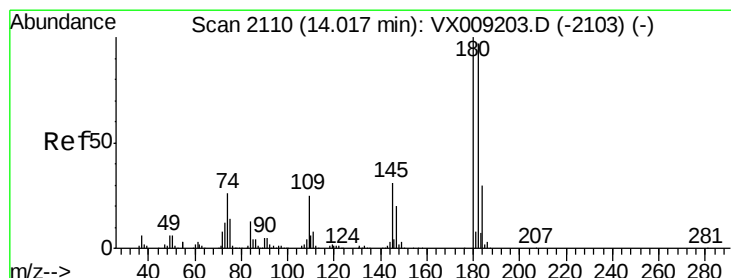
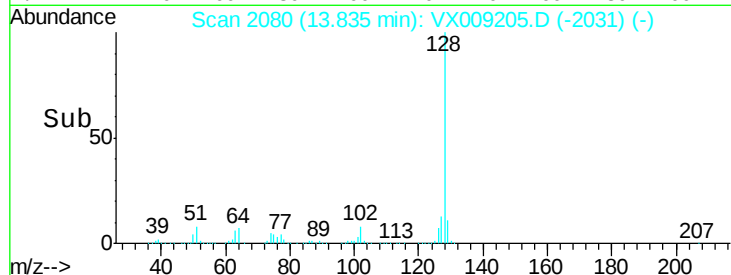
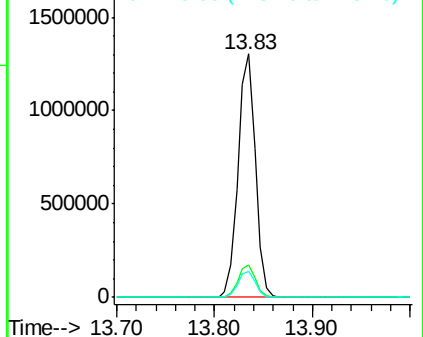
4/30/2019 11:03:39 AM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 145.063 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX009205.D

Acq: 29 Apr 2019 13:43

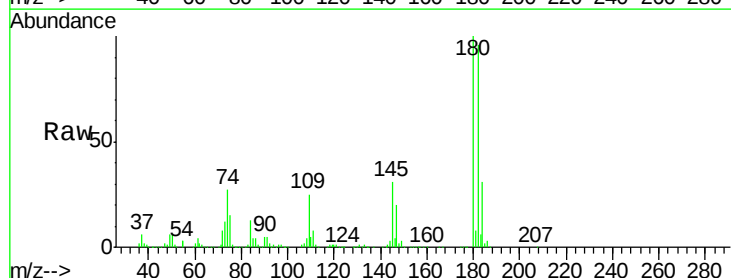
Tgt Ion:180 Resp: 489714

Ion Ratio Lower Upper

180 100

182 95.5 47.8 143.4

145 31.0 15.4 46.4



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

