

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX040319\
 Data File : VX008609.D
 Acq On : 03 Apr 2019 11:06
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Manual Integrations
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 4/4/2019 3:38:31 PM

Quant Time: Apr 04 04:23:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 04 04:04:04 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	217430	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	366164	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	316032	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	149608	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	306663	96.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	193.40%	
35) Dibromofluoromethane	5.50	113	227659	97.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	194.48%	
50) Toluene-d8	8.72	98	886624	95.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	190.22%	
62) 4-Bromofluorobenzene	11.13	95	314407	95.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	190.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	237532	94.906	ug/l	97
3) Chloromethane	1.32	50	301450	87.182	ug/l	100
4) Vinyl Chloride	1.41	62	321287	94.962	ug/l	100
5) Bromomethane	1.64	94	165925	91.956	ug/l	99
6) Chloroethane	1.70	64	184208	77.486	ug/l	99
7) Trichlorofluoromethane	1.92	101	363768	97.264	ug/l	99
8) Diethyl Ether	2.19	74	170676	96.232	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	236240	98.109	ug/l	99
10) Methyl Iodide	2.50	142	231433	116.602	ug/l	98
11) Tert butyl alcohol	3.07	59	357541	481.568	ug/l	99
12) 1,1-Dichloroethene	2.36	96	242614	96.518	ug/l	95
13) Acrolein	2.29	56	178300	484.318	ug/l	99
14) Allyl chloride	2.72	41	568236	98.747	ug/l	99
15) Acrylonitrile	3.15	53	924322	469.943	ug/l	100
16) Acetone	2.45	43	877860	480.598	ug/l	100
17) Carbon Disulfide	2.56	76	731473	90.599	ug/l	100
18) Methyl Acetate	2.78	43	415412	93.772	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	896243	99.838	ug/l	100
20) Methylene Chloride	2.85	84	277743	90.840	ug/l	99
21) trans-1,2-Dichloroethene	3.16	96	258082	94.920	ug/l	96
22) Diisopropyl ether	3.86	45	1067462	96.245	ug/l	98
23) Vinyl Acetate	3.82	43	4847895	502.446	ug/l	100
24) 1,1-Dichloroethane	3.70	63	540739	98.471	ug/l	99
25) 2-Butanone	4.68	43	1388669	481.009	ug/l	99
26) 2,2-Dichloropropane	4.58	77	398625	103.066	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	299231	95.722	ug/l	100
28) Bromochloromethane	5.02	49	225928	86.687	ug/l	100
29) Tetrahydrofuran	5.13	42	908681	474.219	ug/l	100
30) Chloroform	5.21	83	477635	97.383	ug/l	99
31) Cyclohexane	5.58	56	526958	96.171	ug/l	100
32) 1,1,1-Trichloroethane	5.49	97	403425	101.786	ug/l	99
36) 1,1-Dichloropropene	5.80	75	384123	95.970	ug/l	100
37) Ethyl Acetate	4.84	43	525371	98.337	ug/l	99
38) Carbon Tetrachloride	5.78	117	337648	101.924	ug/l	98

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Quant Time: Apr 04 04:23:17 2019
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 Quant Title : SW846 8260
 QLast Update : Thu Apr 04 04:04:04 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	482066	97.496	ug/l	99
40) Benzene	6.14	78	1157491	97.072	ug/l	99
41) Methacrylonitrile	5.05	41	287978	93.775	ug/l	99
42) 1,2-Dichloroethane	6.19	62	409898	95.888	ug/l	99
43) Isopropyl Acetate	6.45	43	840810	100.466	ug/l	100
44) Trichloroethene	7.21	130	270078	97.249	ug/l	98
45) 1,2-Dichloropropane	7.51	63	330665	97.157	ug/l	99
46) Dibromomethane	7.66	93	188495	95.493	ug/l	99
47) Bromodichloromethane	7.90	83	382101	102.665	ug/l	100
48) Methyl methacrylate	7.77	41	412736	97.492	ug/l	99
49) 1,4-Dioxane	7.74	88	146723	1850.091	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	2550109	473.337	ug/l	99
52) Toluene	8.79	92	677112	96.320	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	442603	106.164	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	493955	103.690	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	267983	94.968	ug/l	100
56) Ethyl methacrylate	9.18	69	502476	98.417	ug/l	100
57) 1,3-Dichloropropane	9.37	76	481660	95.057	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	1375096	527.460	ug/l	99
59) 2-Hexanone	9.49	43	1983647	473.776	ug/l	99
60) Dibromochloromethane	9.59	129	276627	104.032	ug/l	100
61) 1,2-Dibromoethane	9.67	107	281081	95.683	ug/l	98
64) Tetrachloroethene	9.34	164	224442	95.855	ug/l	99
65) Chlorobenzene	10.14	112	670451	95.705	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	247347	100.644	ug/l	99
67) Ethyl Benzene	10.25	91	1277626	97.806	ug/l	99
68) m/p-Xylenes	10.36	106	929740	197.952	ug/l	98
69) o-Xylene	10.70	106	442454	97.206	ug/l	99
70) Styrene	10.71	104	783984	99.921	ug/l	100
71) Bromoform	10.86	173	201656	107.434	ug/l #	99
73) Isopropylbenzene	11.02	105	1175520	94.812	ug/l	100
74) N-amyl acetate	10.90	43	722369	99.029	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	440620	93.444	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	366680m	82.906	ug/l	
77) Bromobenzene	11.26	156	282567	94.802	ug/l	100
78) n-propylbenzene	11.36	91	1404287	97.274	ug/l	100
79) 2-Chlorotoluene	11.42	91	811245	92.860	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	1008409	96.893	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	162576	109.042	ug/l	96
82) 4-Chlorotoluene	11.51	91	962954	95.224	ug/l	100
83) tert-Butylbenzene	11.77	119	982783	98.153	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	1015257	96.340	ug/l	100
85) sec-Butylbenzene	11.94	105	1156336	97.225	ug/l	99
86) p-Isopropyltoluene	12.06	119	1057574	99.072	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	506776	94.974	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	510590	94.497	ug/l	100
89) n-Butylbenzene	12.38	91	1017081	101.596	ug/l	99
90) Hexachloroethane	12.60	117	183173	103.457	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	504922	95.305	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	105396	101.608	ug/l	99

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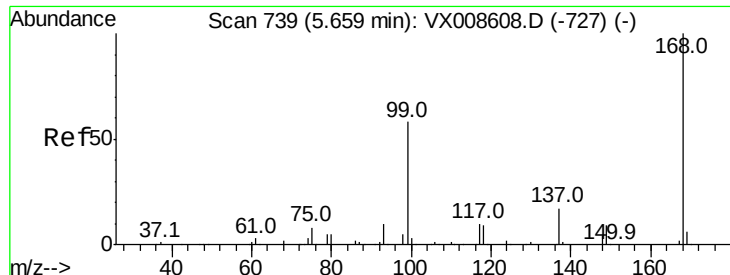
Manual Integrations
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4/4/2019 3:38:31 PM

Quant Time: Apr 04 04:23:17 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
Quant Title : SW846 8260
QLast Update : Thu Apr 04 04:04:04 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	368207	99.958	ug/l	99
94) Hexachlorobutadiene	13.78	225	174756	98.922	ug/l	99
95) Naphthalene	13.83	128	1226021	99.584	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	361044	98.099	ug/l	100

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



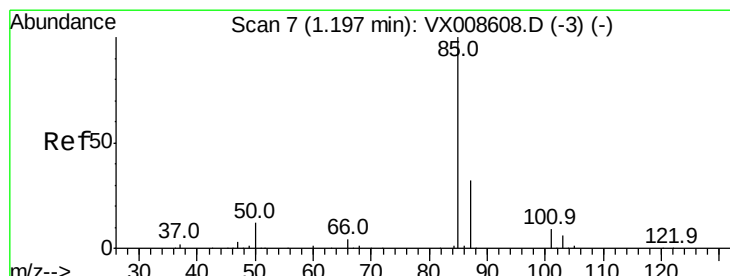
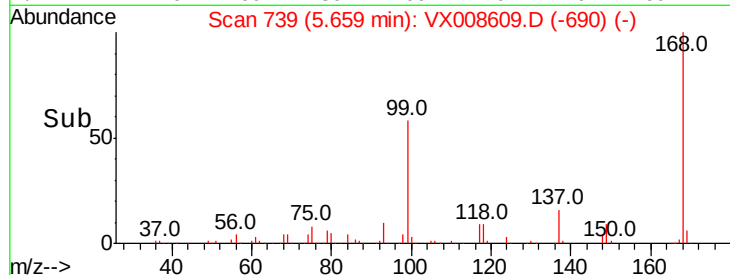
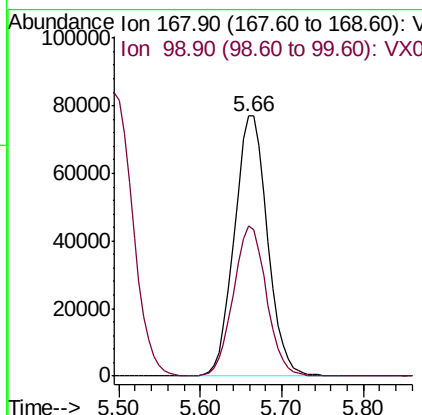
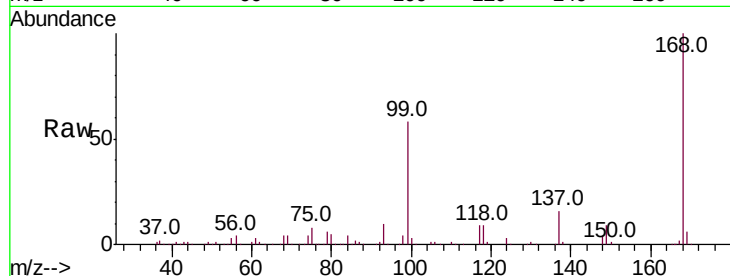
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.00 min
Lab File: VX008609.D
Acq: 03 Apr 2019 11:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion:168 Resp: 217430
Ion Ratio Lower Upper
168 100
99 57.8 46.7 70.1

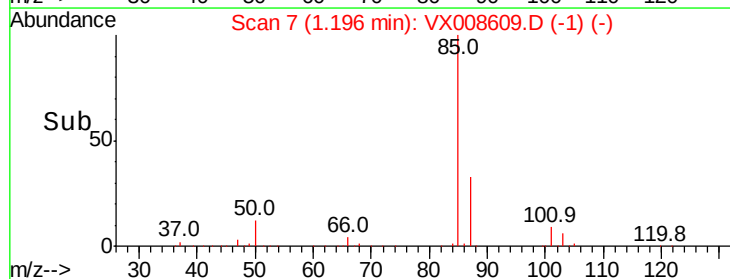
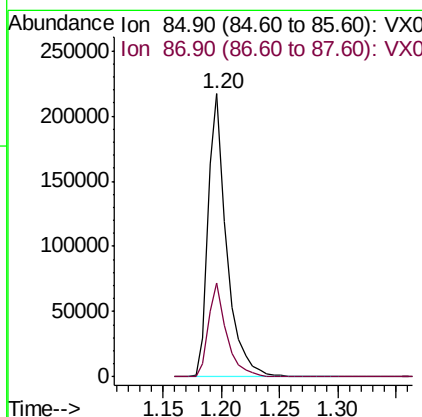
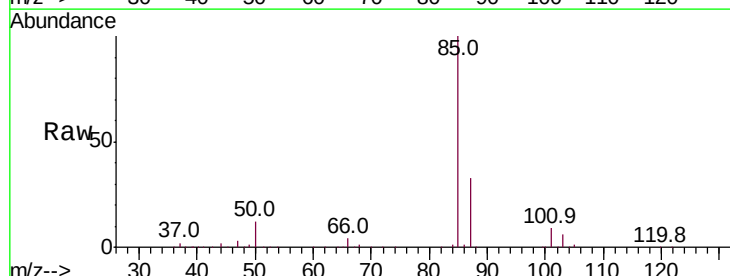
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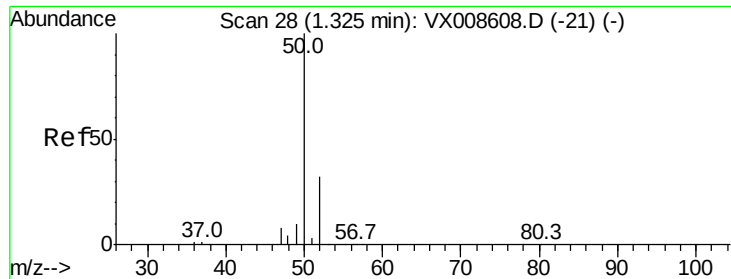
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#2
Dichlorodifluoromethane
Concen: 94.906 ug/l
RT: 1.20 min Scan# 7
Delta R.T. -0.00 min
Lab File: VX008609.D
Acq: 03 Apr 2019 11:06

Tgt Ion: 85 Resp: 237532
Ion Ratio Lower Upper
85 100
87 33.0 15.8 47.3





#3

Chloromethane

Concen: 87.182 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX008609.D

Acq: 03 Apr 2019 11:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 301450

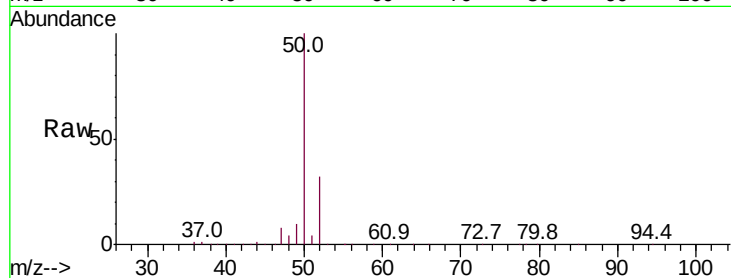
Ion Ratio Lower Upper

50 100

52 32.3 25.8 38.8

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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

300000

250000

200000

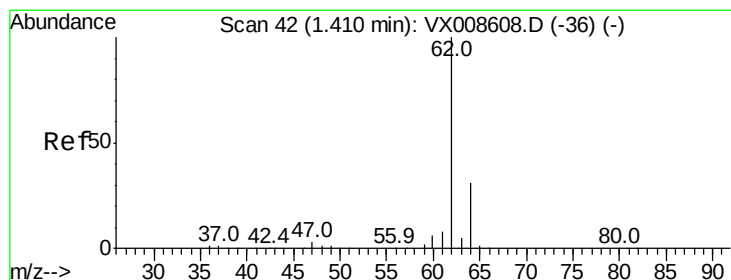
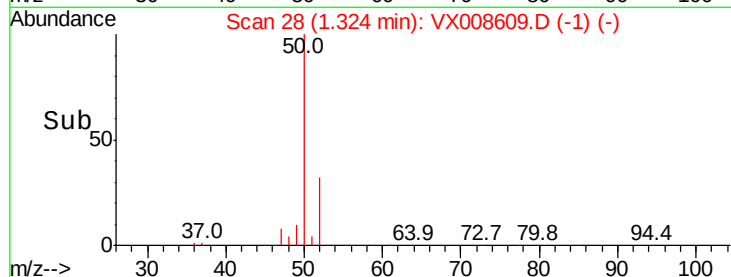
150000

100000

50000

0

Time--> 1.25 1.30 1.35 1.40



#4

Vinyl Chloride

Concen: 94.962 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX008609.D

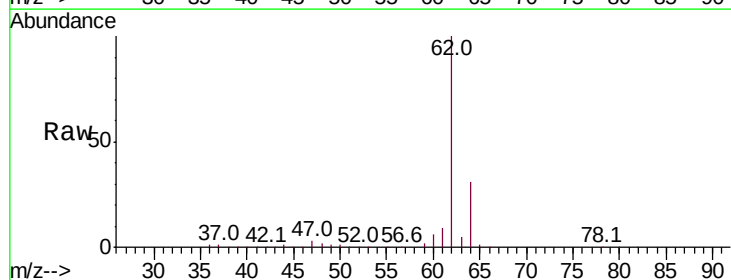
Acq: 03 Apr 2019 11:06

Tgt Ion: 62 Resp: 321287

Ion Ratio Lower Upper

62 100

64 30.8 24.7 37.1



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.41

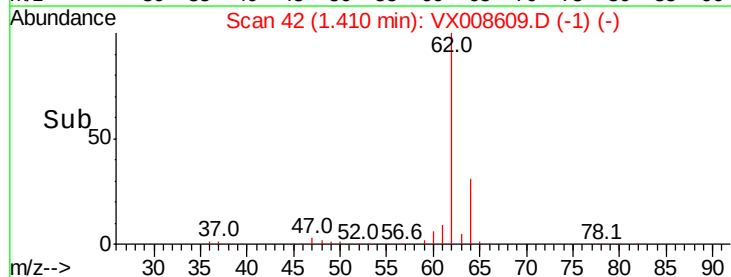
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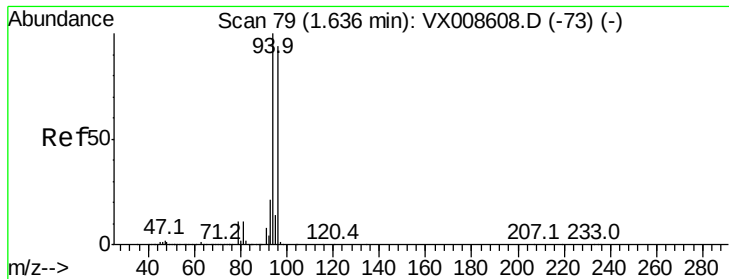
200000

100000

0

Time--> 1.35 1.40 1.45 1.50 1.55





#5

Bromomethane

Concen: 91.956 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX008609.D

Acq: 03 Apr 2019 11:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tot Ion: 94 Resp: 165925

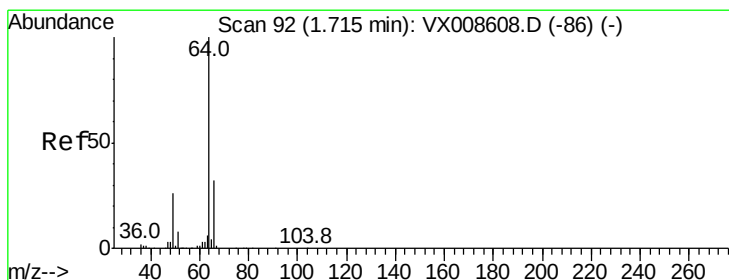
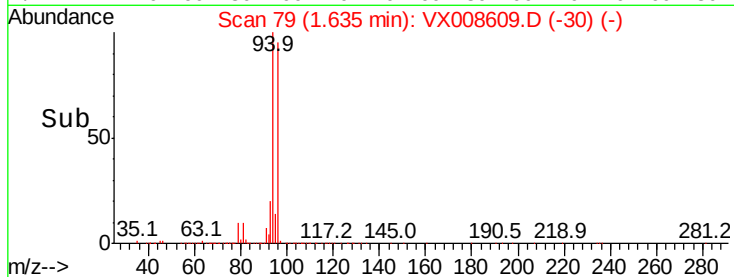
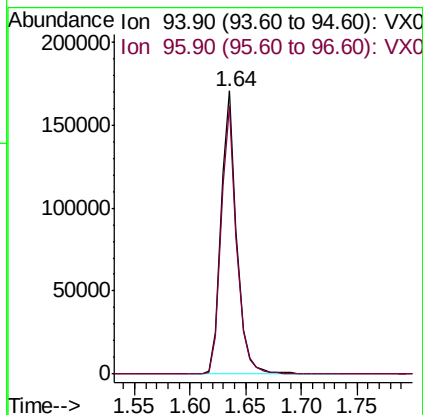
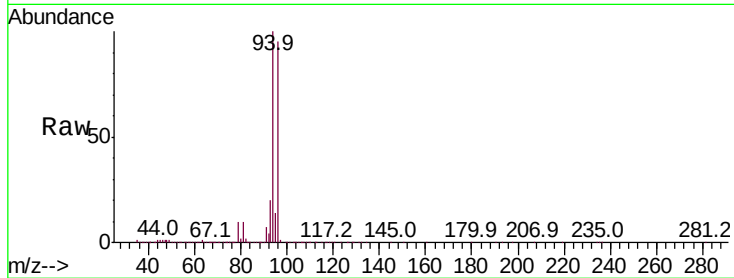
Ion Ratio Lower Upper

94 100

96 94.7 75.2 112.8

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#6

Chloroethane

Concen: 77.486 ug/l

RT: 1.70 min Scan# 90

Delta R.T. -0.01 min

Lab File: VX008609.D

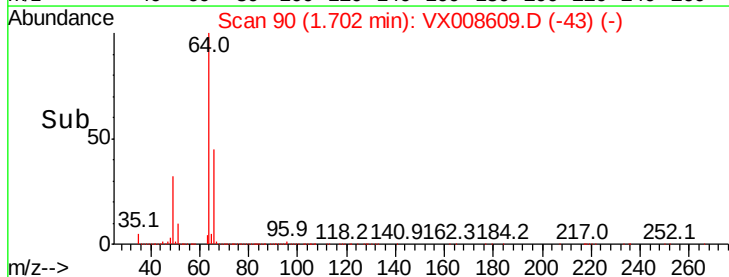
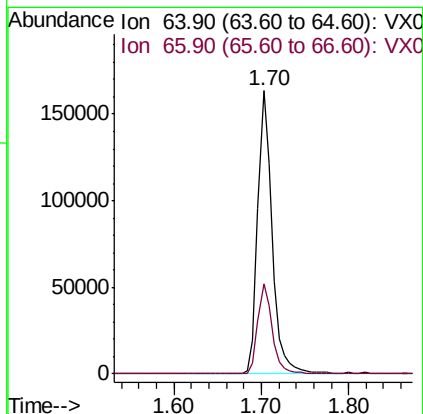
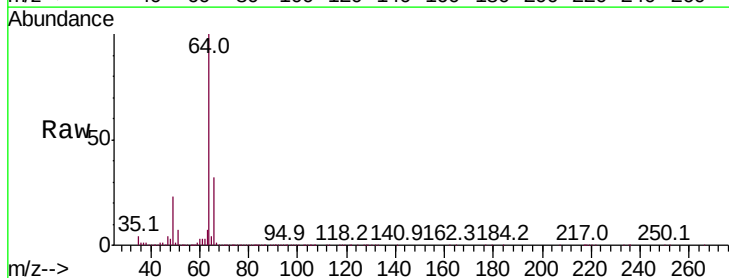
Acq: 03 Apr 2019 11:06

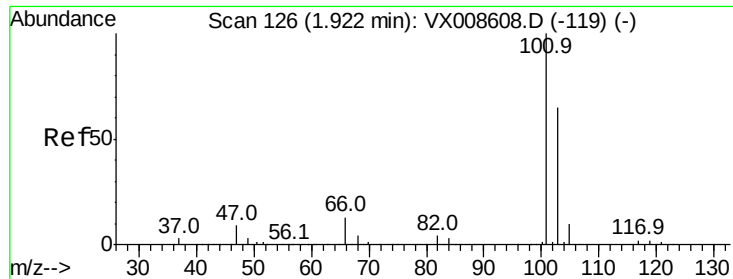
Tgt Ion: 64 Resp: 184208

Ion Ratio Lower Upper

64 100

66 32.0 25.4 38.0





#7

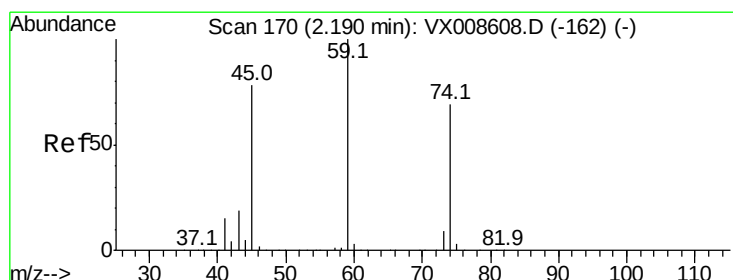
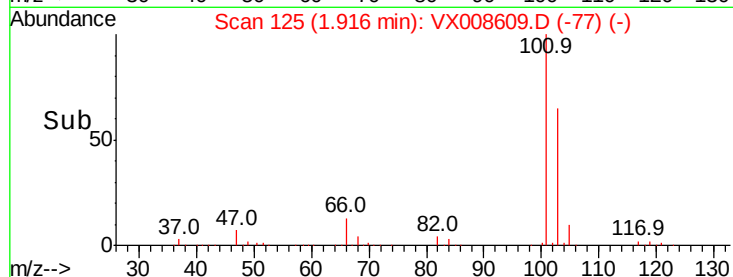
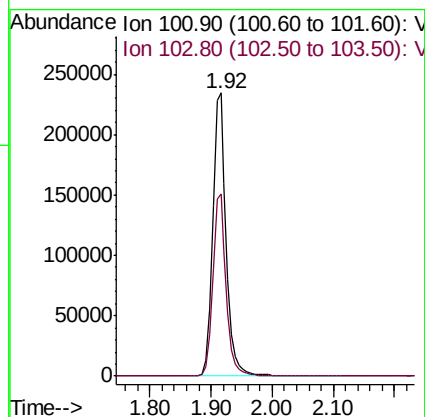
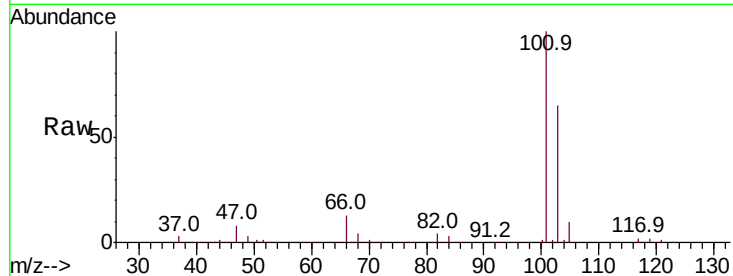
Trichlorofluoromethane
 Concen: 97.264 ug/l
 RT: 1.92 min Scan# 125
 Delta R.T. -0.01 min
 Lab File: VX008609.D
 Acq: 03 Apr 2019 11:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.6	52.3	78.5

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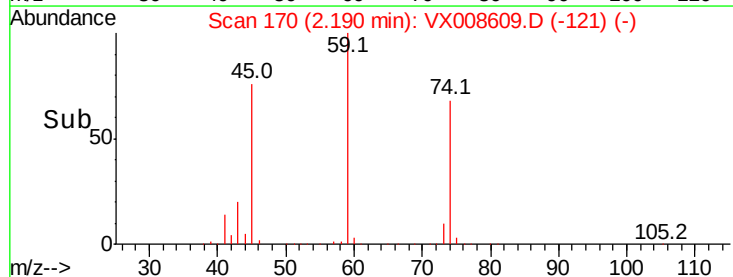
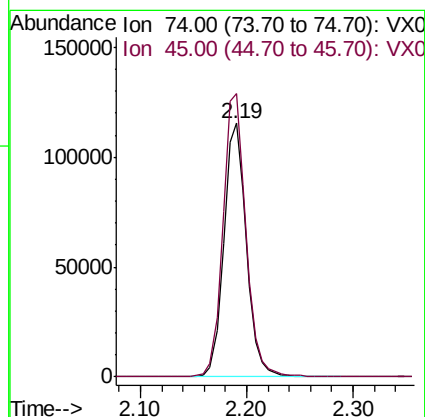
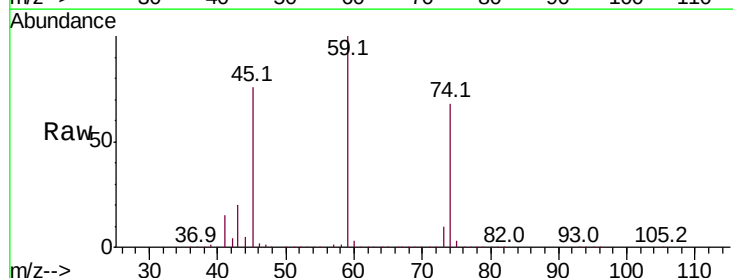
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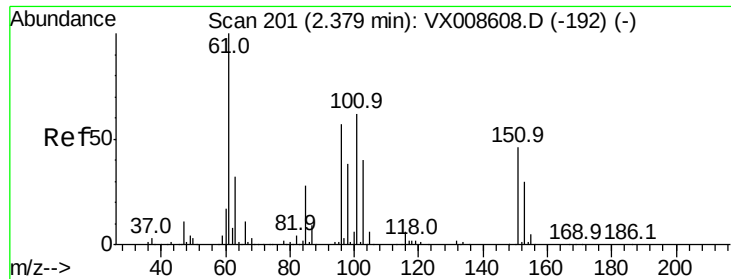


#8

Diethyl Ether
 Concen: 96.232 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. -0.00 min
 Lab File: VX008609.D
 Acq: 03 Apr 2019 11:06

Tgt Ion	Ratio	Lower	Upper
74	100		
45	113.8	56.5	169.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 98.109 ug/l

RT: 2.37 min Scan# 200

Delta R.T. -0.01 min

Lab File: VX008609.D

Acq: 03 Apr 2019 11:06

Instrument :

MSVOA_X

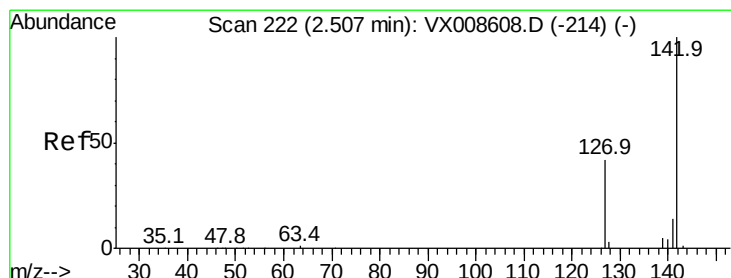
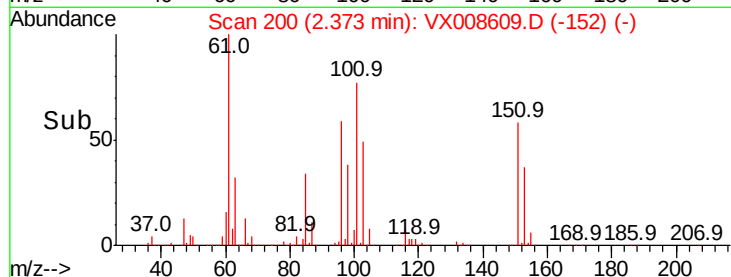
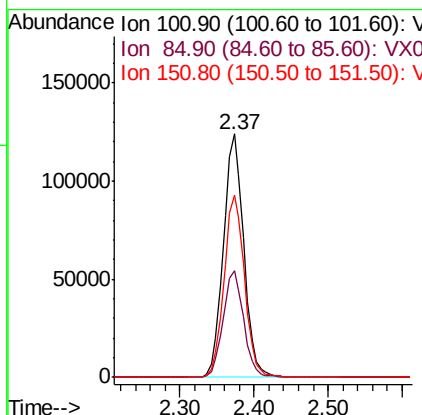
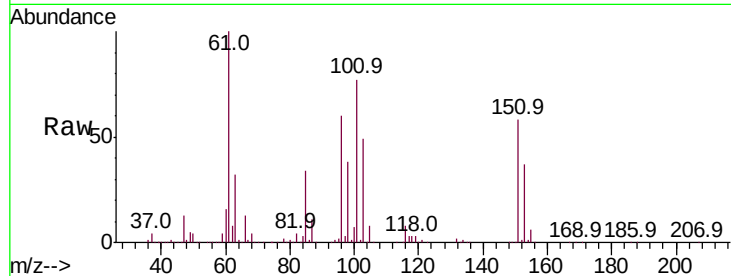
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	236240
Ion Ratio	Lower	Upper	
101	100		
85	44.4	36.0	54.0
151	75.5	59.9	89.9

Manual Integrations
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#10

Methyl Iodide

Concen: 116.602 ug/l

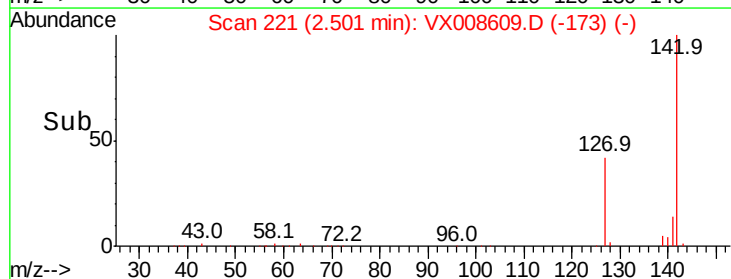
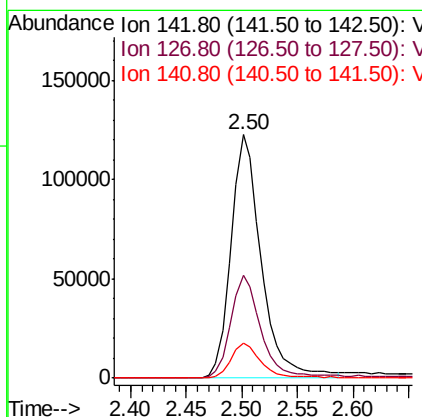
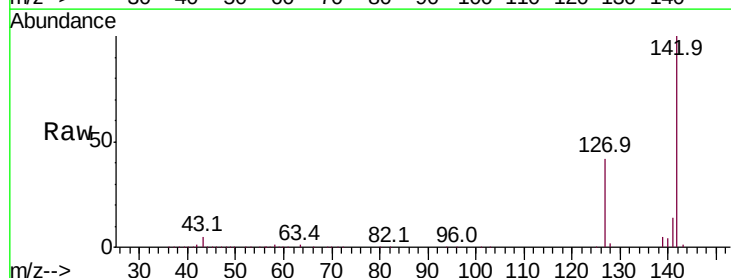
RT: 2.50 min Scan# 221

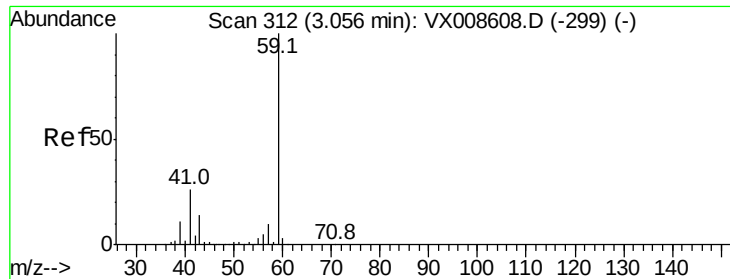
Delta R.T. -0.01 min

Lab File: VX008609.D

Acq: 03 Apr 2019 11:06

Tgt Ion:	142	Resp:	231433
Ion Ratio	Lower	Upper	
142	100		
127	42.4	33.0	49.6
141	14.7	11.4	17.2





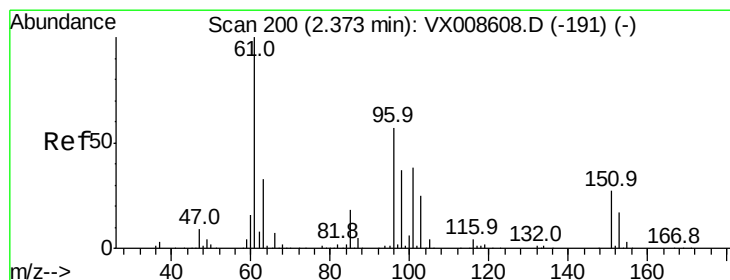
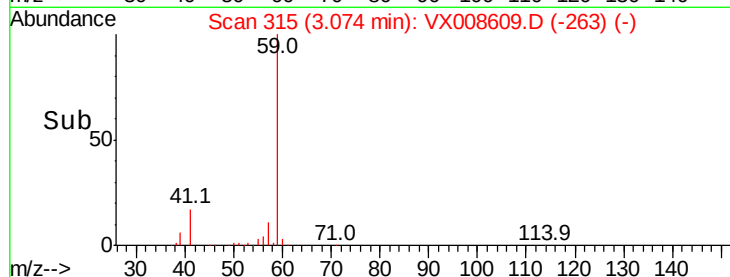
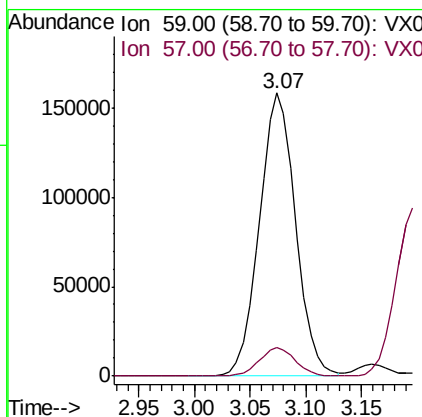
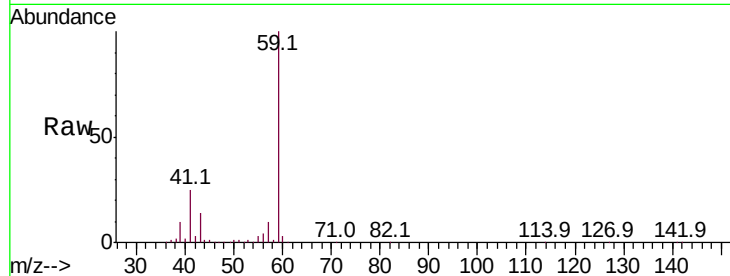
#11
Tert butyl alcohol
Concen: 481.568 ug/l
RT: 3.07 min Scan# 315
Delta R.T. 0.02 min
Lab File: VX008609.D
Acq: 03 Apr 2019 11:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	59	Resp	357541
Ion Ratio	100	Lower	Upper
57	10.2	8.3	12.5

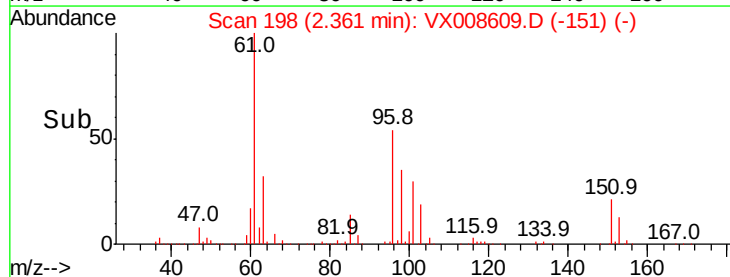
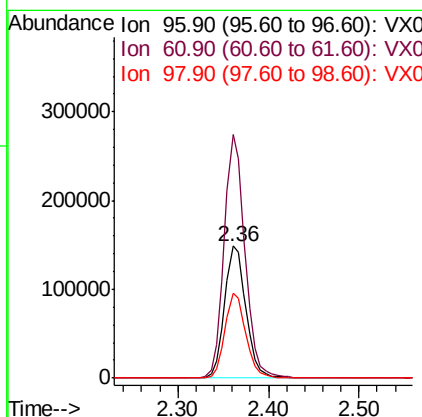
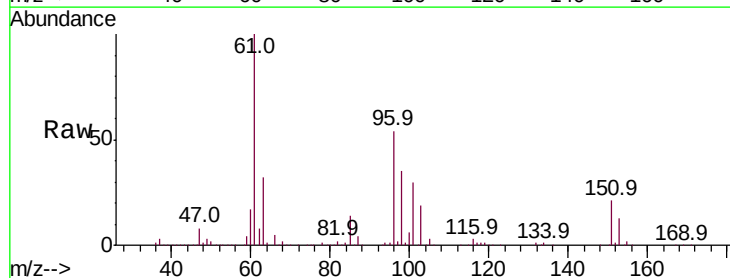
Manual Integrations
APPROVED

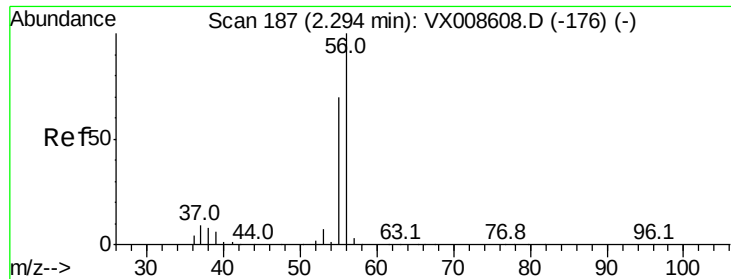
MMDadoda
4/4/2019 3:38:31 PM



#12
1,1-Dichloroethene
Concen: 96.518 ug/l
RT: 2.36 min Scan# 198
Delta R.T. -0.01 min
Lab File: VX008609.D
Acq: 03 Apr 2019 11:06

Tgt Ion	96	Resp	242614
Ion Ratio	100	Lower	Upper
61	184.3	140.9	211.3
98	64.0	52.1	78.1





#13

Acrolein

Concen: 484.318 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX008609.D

Acq: 03 Apr 2019 11:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 178300

Ion Ratio Lower Upper

56 100

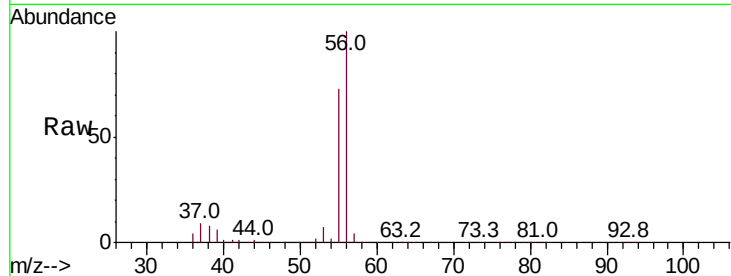
55 71.5 58.0 87.0

Manual Integrations

APPROVED

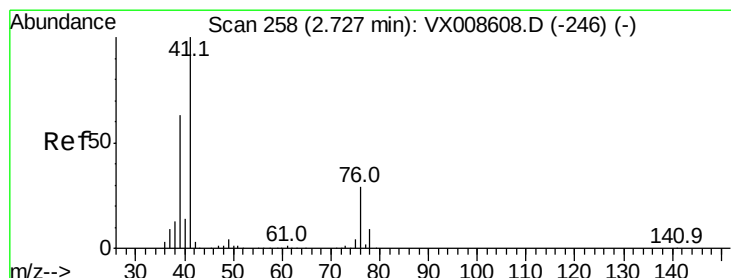
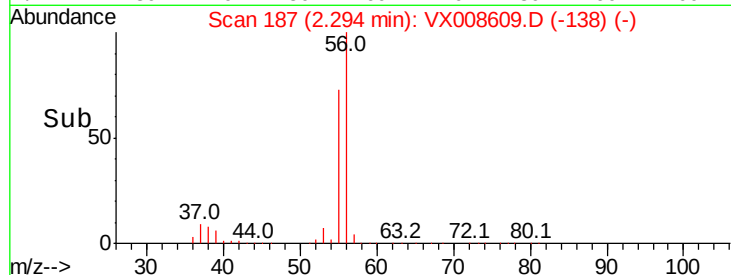
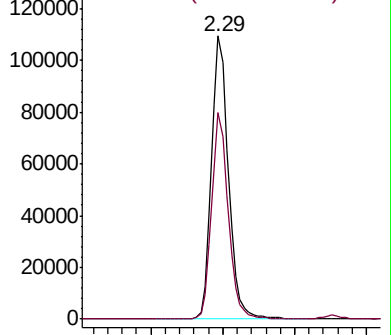
MMDadoda

4/4/2019 3:38:31 PM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 98.747 ug/l

RT: 2.72 min Scan# 257

Delta R.T. -0.01 min

Lab File: VX008609.D

Acq: 03 Apr 2019 11:06

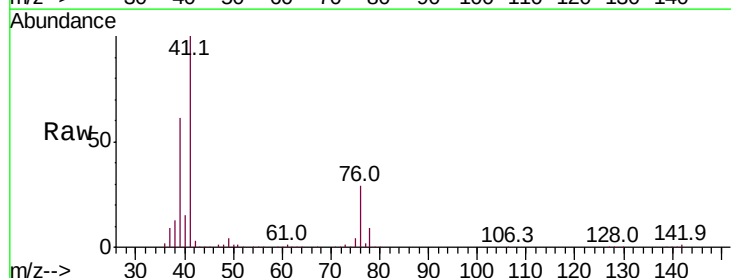
Tgt Ion: 41 Resp: 568236

Ion Ratio Lower Upper

41 100

39 59.3 48.0 72.0

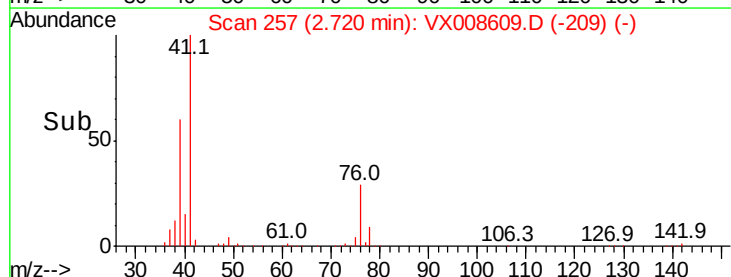
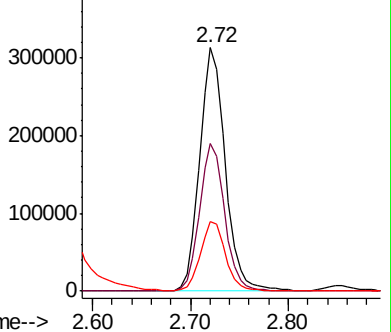
76 28.0 22.0 33.0

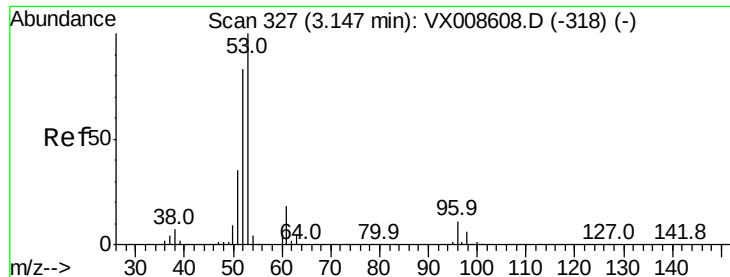


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 469.943 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX008609.D

Acq: 03 Apr 2019 11:06

Instrument :

MSVOA_X

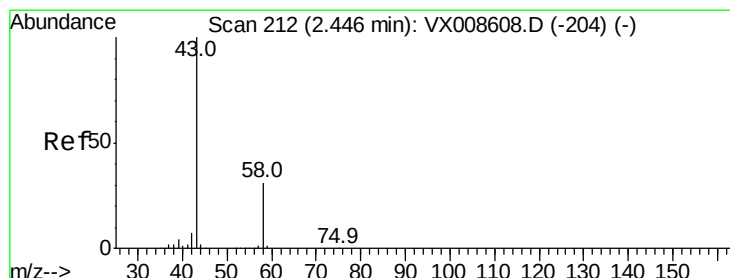
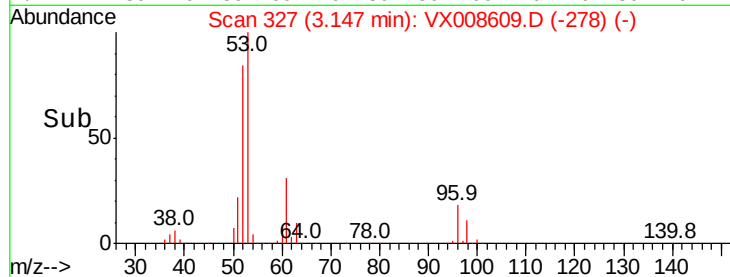
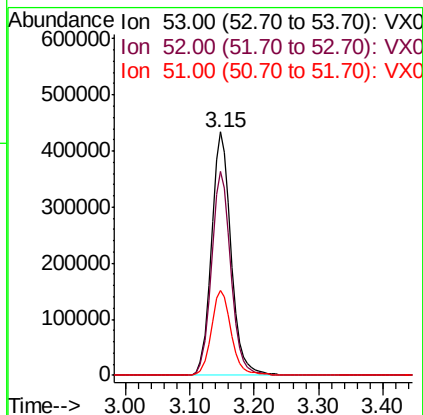
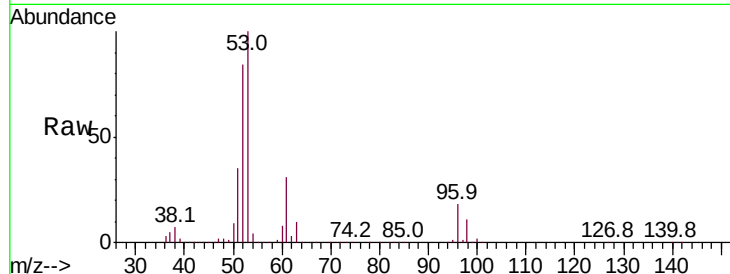
ClientSampled :

VSTDIC100

Tot Ion:	53	Resp:	924322
Ion Ratio	Lower	Upper	
53	100		
52	83.1	66.5	99.7
51	35.4	28.6	42.8

Manual Integrations
APPROVED

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#16

Acetone

Concen: 480.598 ug/l

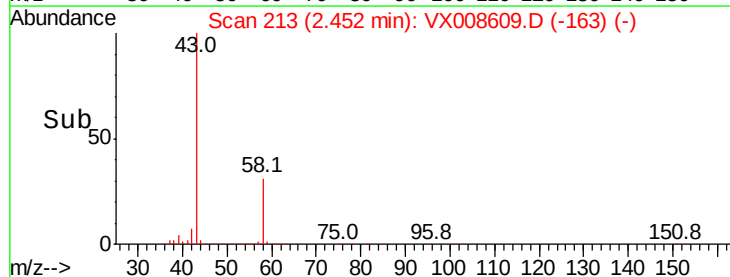
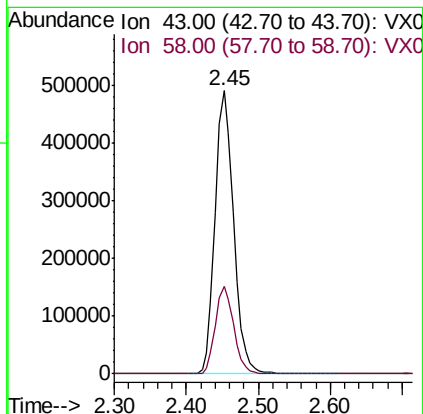
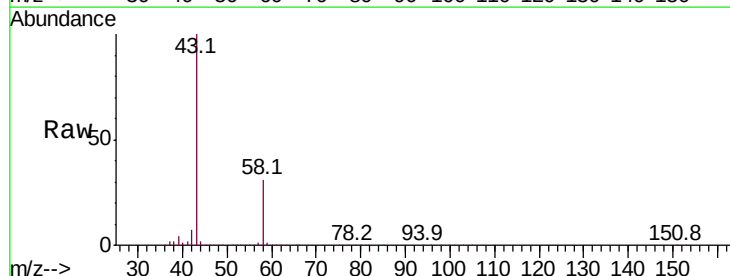
RT: 2.45 min Scan# 213

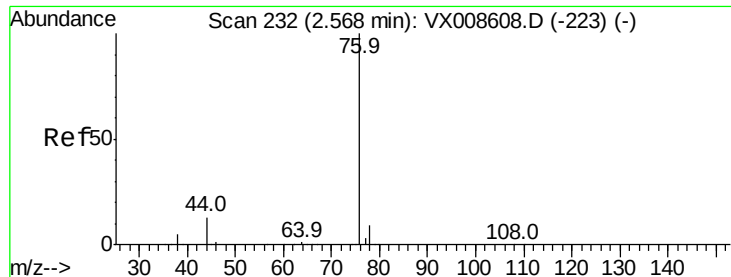
Delta R.T. 0.01 min

Lab File: VX008609.D

Acq: 03 Apr 2019 11:06

Tgt Ion:	43	Resp:	877860
Ion Ratio	Lower	Upper	
43	100		
58	30.8	24.8	37.2





#17

Carbon Disulfide

Concen: 90.599 ug/l

RT: 2.56 min Scan# 231

Delta R.T. -0.01 min

Lab File: VX008609.D

Acq: 03 Apr 2019 11:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 731473

Ion Ratio Lower Upper

76 100

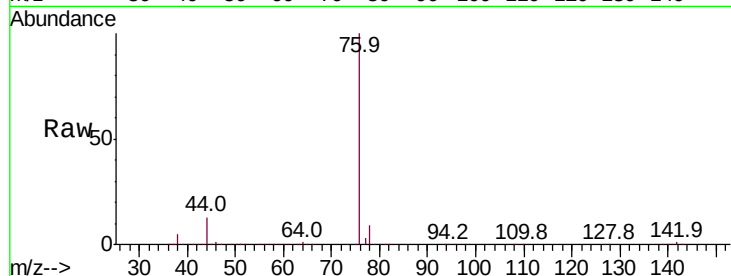
78 9.1 7.1 10.7

Manual Integrations

APPROVED

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

400000

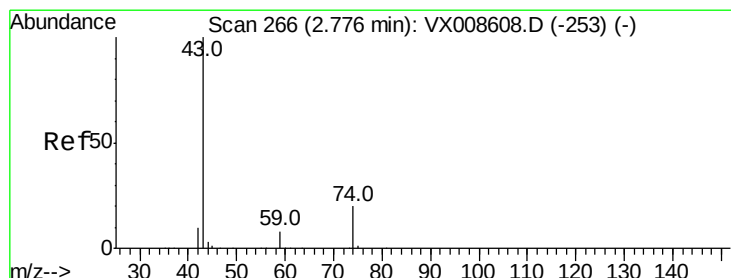
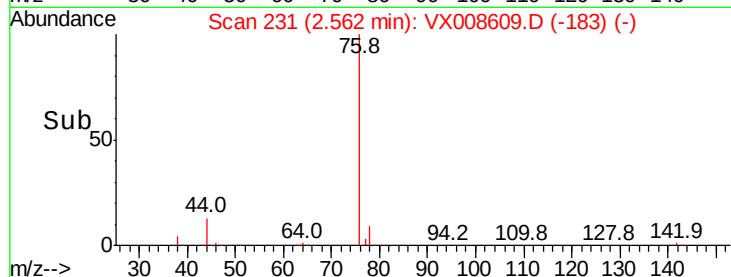
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 93.772 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX008609.D

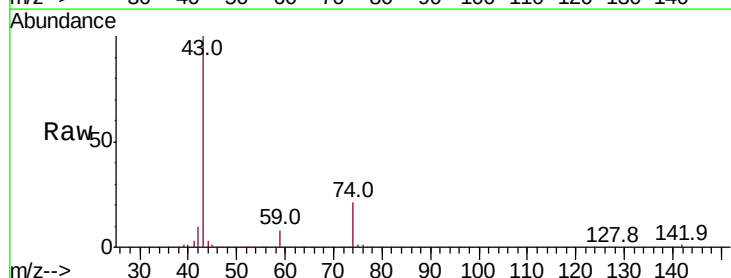
Acq: 03 Apr 2019 11:06

Tgt Ion: 43 Resp: 415412

Ion Ratio Lower Upper

43 100

74 20.3 16.5 24.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

250000

200000

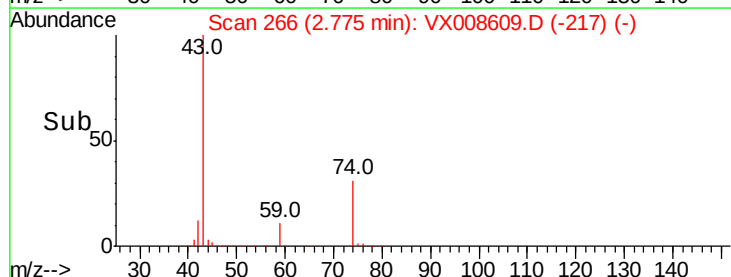
150000

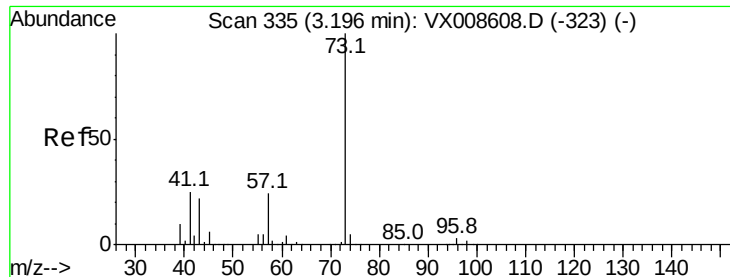
100000

50000

0

Time-->





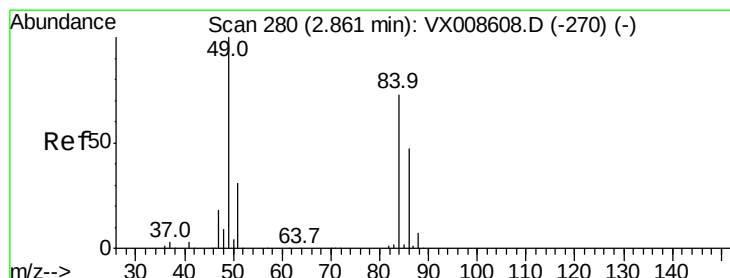
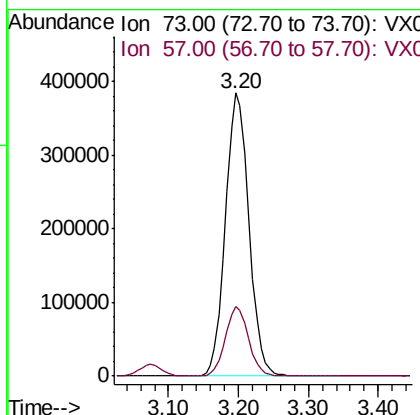
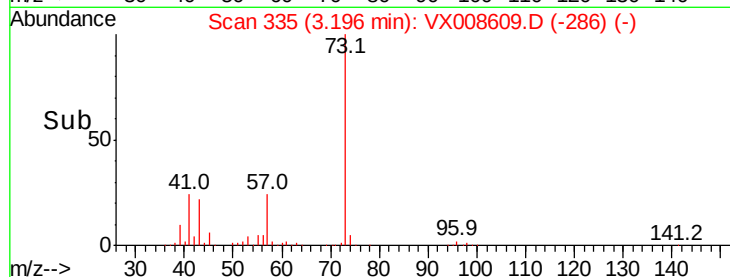
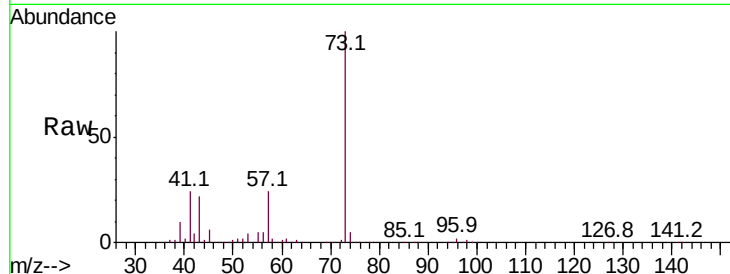
#19
Methyl tert-butyl Ether
Concen: 99.838 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX008609.D
Acq: 03 Apr 2019 11:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 73 Resp: 896243
Ion Ratio Lower Upper
73 100
57 24.5 19.5 29.3

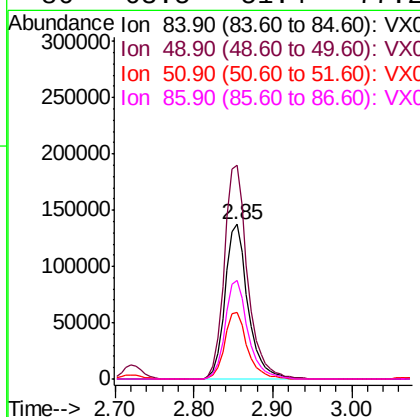
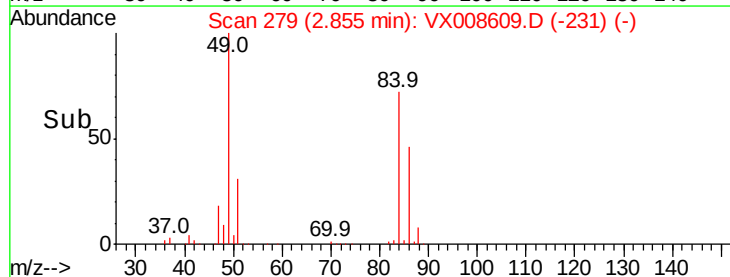
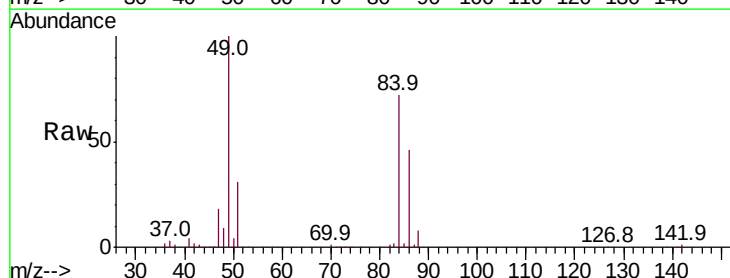
Manual Integrations
APPROVED

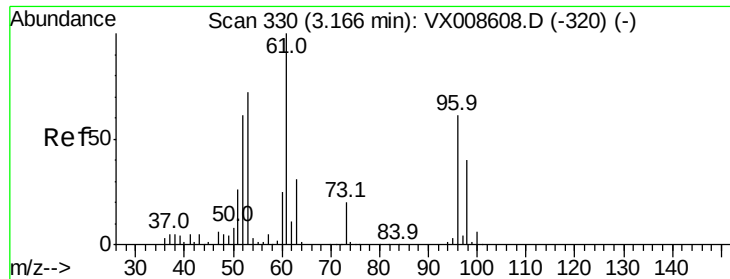
MMDadoda
4/4/2019 3:38:31 PM



#20
Methylene Chloride
Concen: 90.840 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX008609.D
Acq: 03 Apr 2019 11:06

Tgt Ion: 84 Resp: 277743
Ion Ratio Lower Upper
84 100
49 138.0 109.7 164.5
51 42.9 33.6 50.4
86 63.5 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 94.920 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.01 min

Lab File: VX008609.D

Acq: 03 Apr 2019 11:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 96 Resp: 258082

Ion Ratio Lower Upper

96 100

61 158.4 132.1 198.1

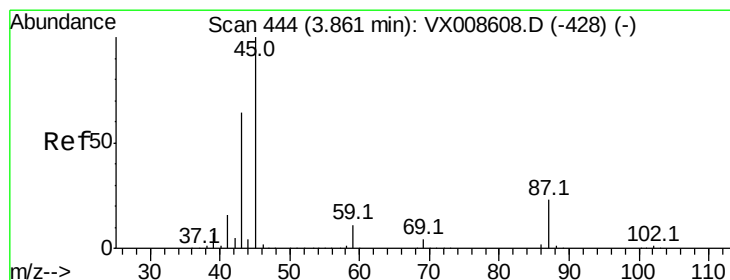
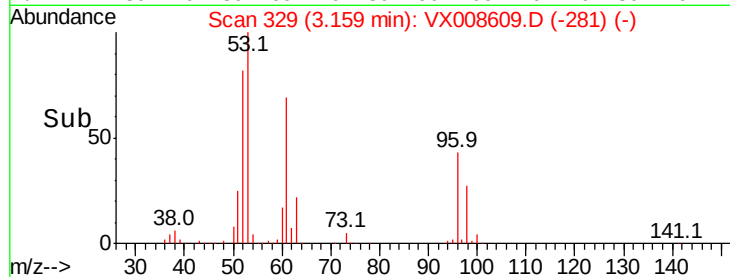
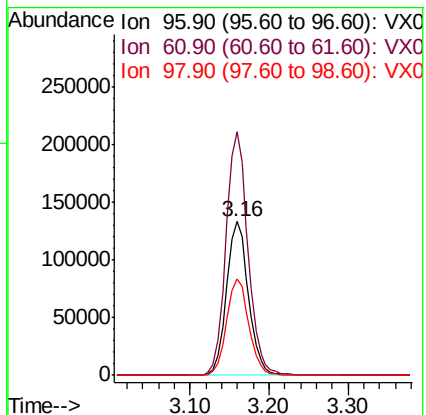
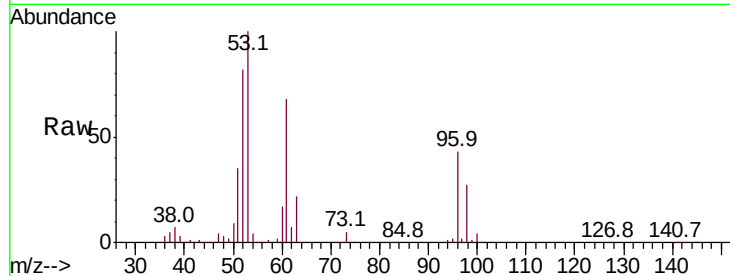
98 63.1 52.2 78.2

Manual Integrations

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4/4/2019 3:38:31 PM



#22

Diisopropyl ether

Concen: 96.245 ug/l

RT: 3.86 min Scan# 444

Delta R.T. -0.00 min

Lab File: VX008609.D

Acq: 03 Apr 2019 11:06

Tgt Ion: 45 Resp: 1067462

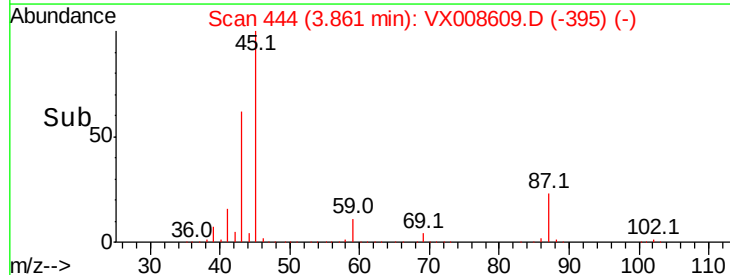
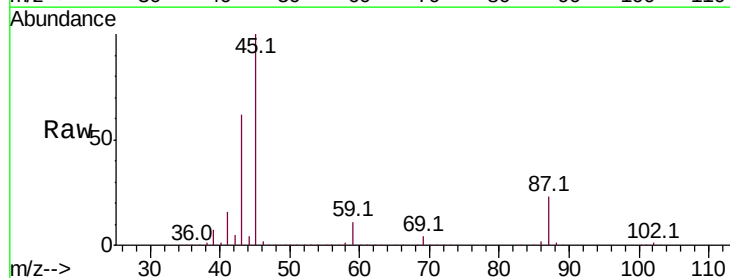
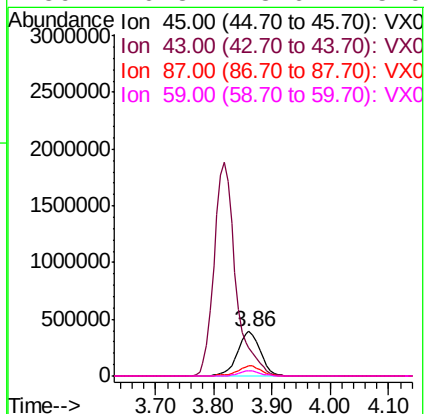
Ion Ratio Lower Upper

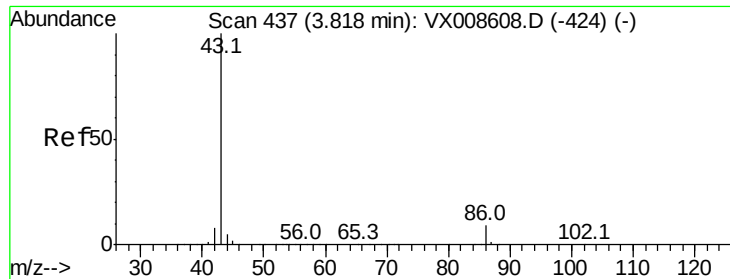
45 100

43 62.1 51.3 76.9

87 22.9 18.1 27.1

59 10.8 8.6 13.0





#23

Vinyl Acetate

Concen: 502.446 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.00 min

Lab File: VX008609.D

Acq: 03 Apr 2019 11:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 4847895

Ion Ratio Lower Upper

43 100

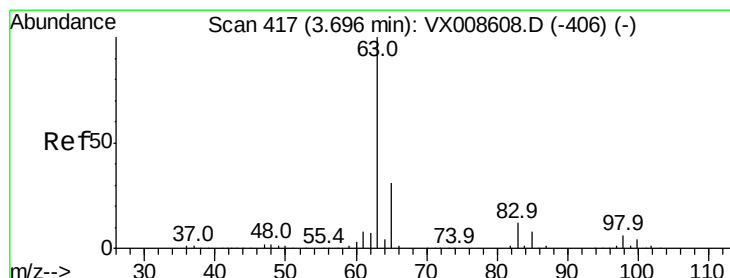
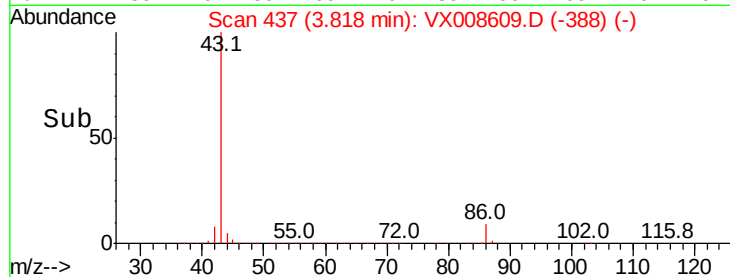
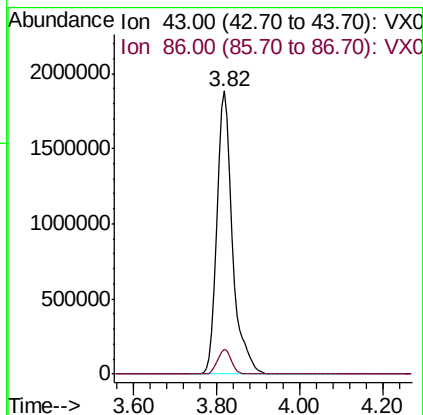
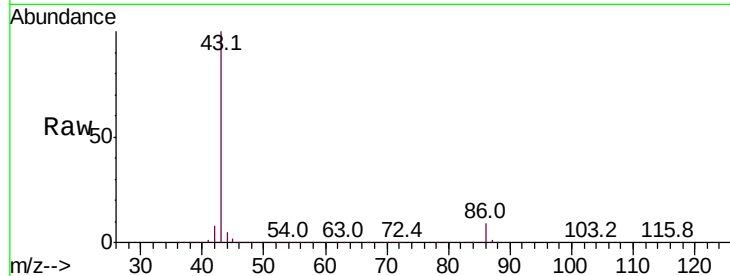
86 8.8 7.0 10.6

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 98.471 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX008609.D

Acq: 03 Apr 2019 11:06

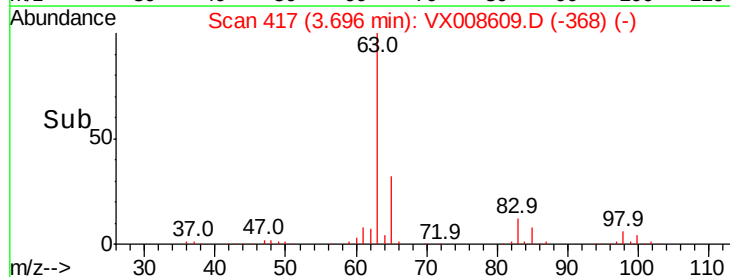
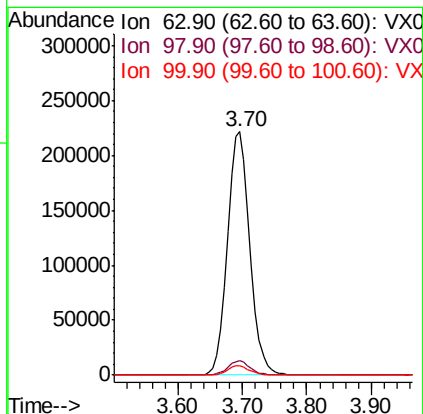
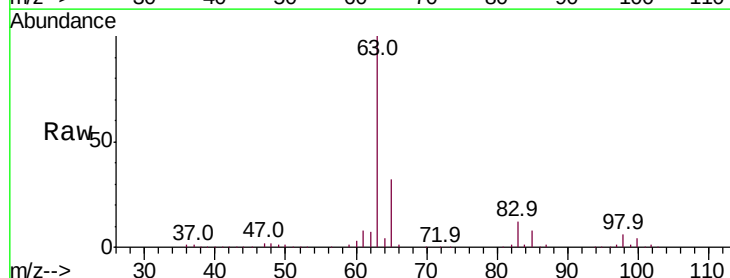
Tgt Ion: 63 Resp: 540739

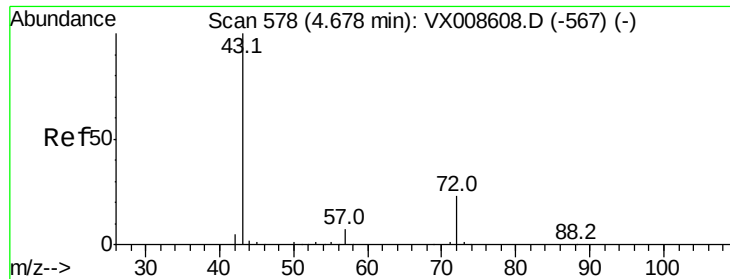
Ion Ratio Lower Upper

63 100

98 5.9 2.8 8.4

100 3.8 1.8 5.5





#25

2-Butanone

Concen: 481.009 ug/l

RT: 4.68 min Scan# 579

Delta R.T. 0.01 min

Lab File: VX008609.D

Acq: 03 Apr 2019 11:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 1388669

Ion Ratio Lower Upper

43 100

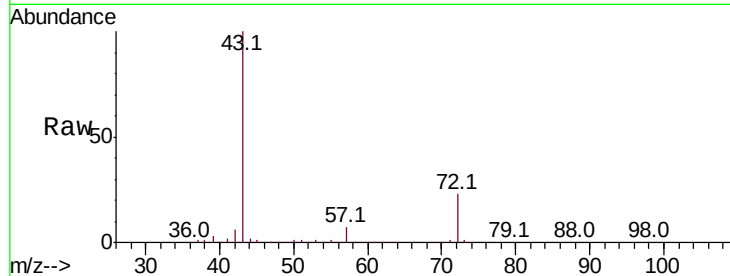
72 23.1 18.2 27.4

Manual Integrations

APPROVED

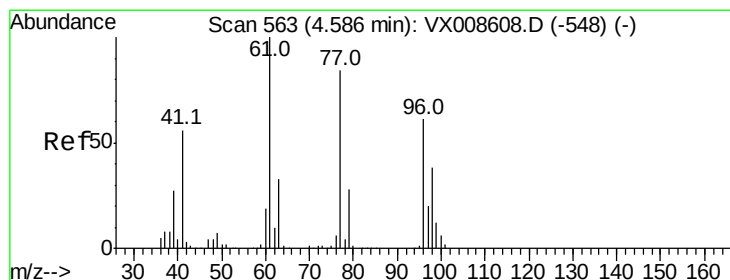
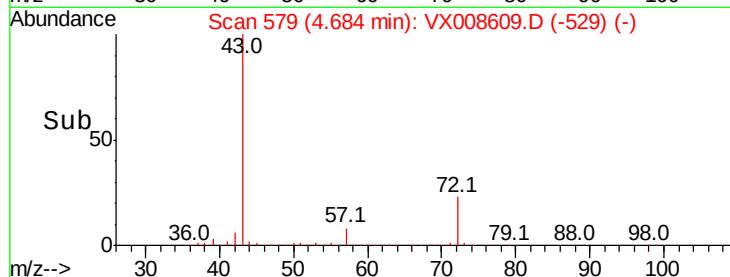
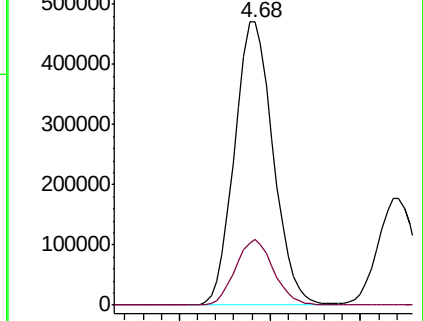
MMDadoda

4/4/2019 3:38:31 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 103.066 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX008609.D

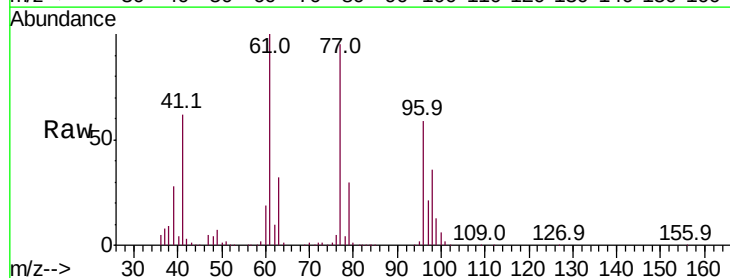
Acq: 03 Apr 2019 11:06

Tgt Ion: 77 Resp: 398625

Ion Ratio Lower Upper

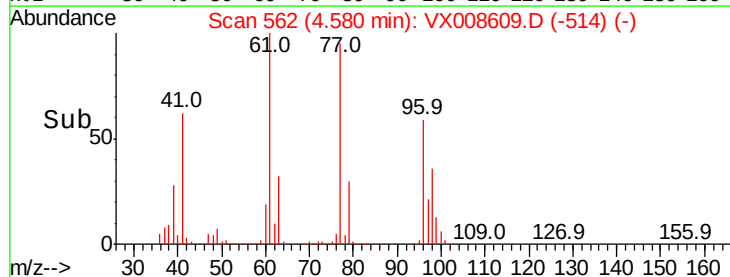
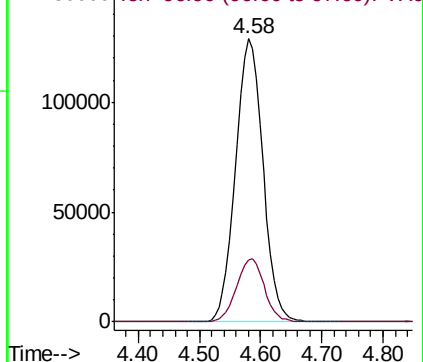
77 100

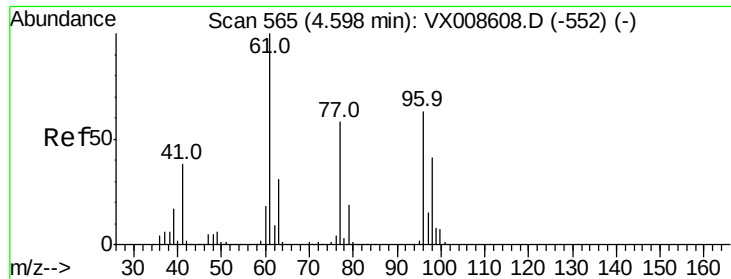
97 22.7 11.5 34.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

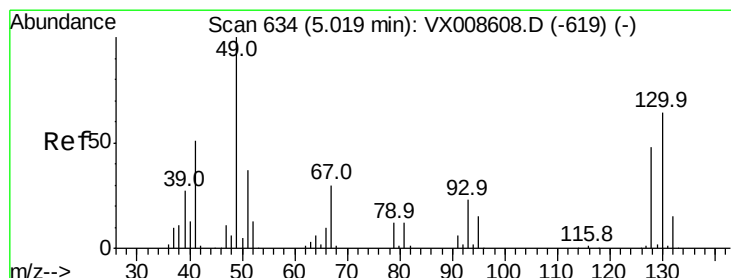
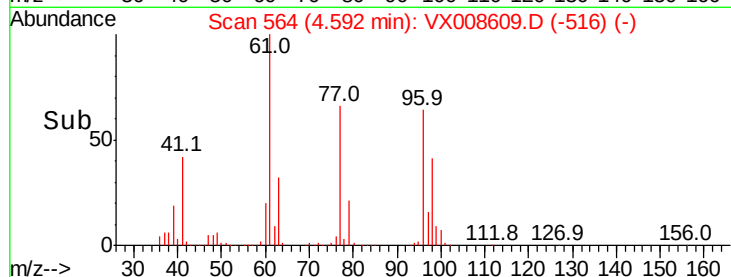
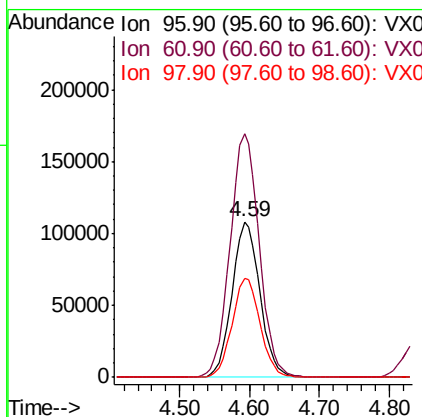
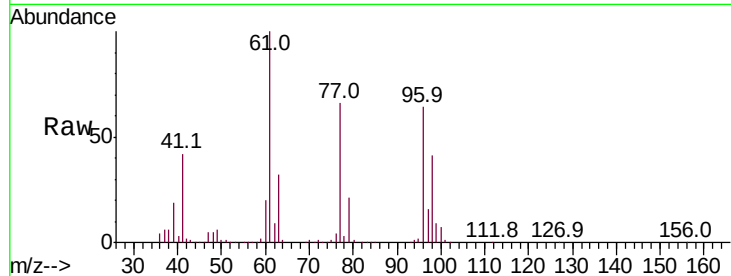
cis-1,2-Dichloroethene
 Concen: 95.722 ug/l
 RT: 4.59 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: VX008609.D
 Acq: 03 Apr 2019 11:06

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
96	100	299231		
61	163.8	0.0	327.6	
98	64.2	0.0	128.6	

Manual Integrations
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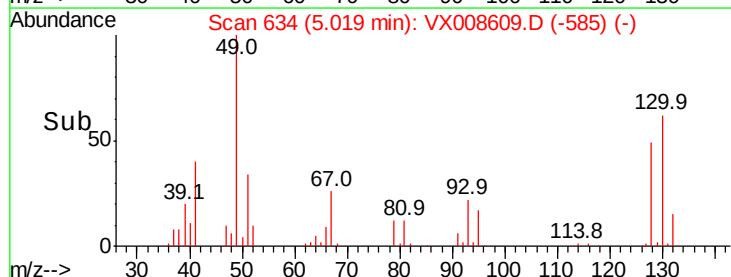
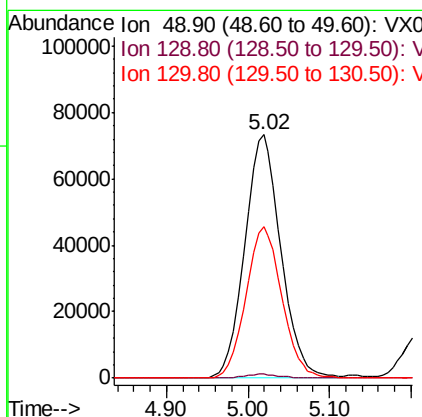
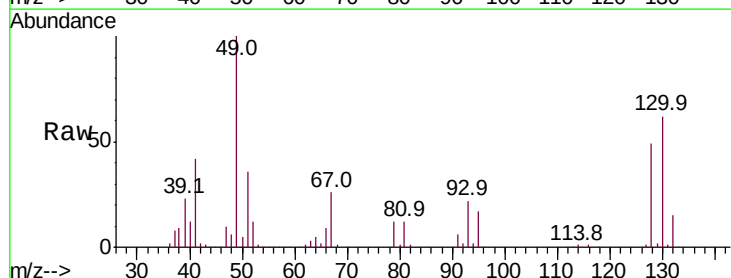
MMDadoda
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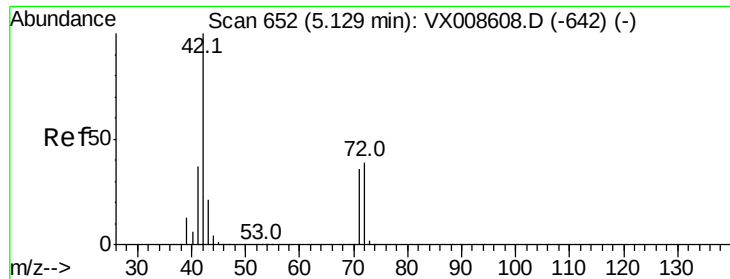


#28

Bromochloromethane
 Concen: 86.687 ug/l
 RT: 5.02 min Scan# 634
 Delta R.T. -0.00 min
 Lab File: VX008609.D
 Acq: 03 Apr 2019 11:06

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	225928		
129	1.6	0.0	3.6	
130	61.8	49.3	73.9	





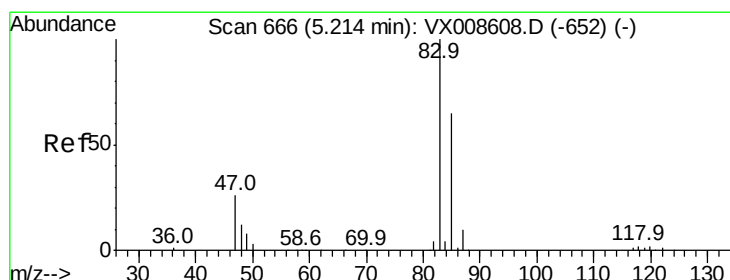
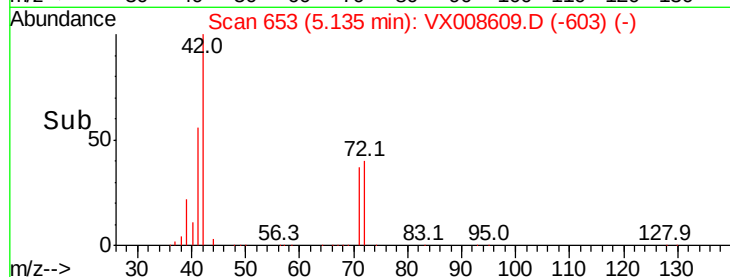
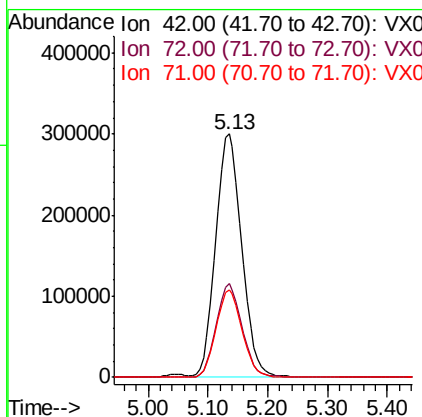
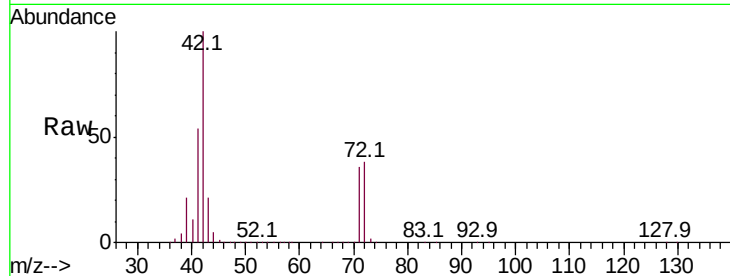
#29
Tetrahydrofuran
Concen: 474.219 ug/l
RT: 5.13 min Scan# 653
Delta R.T. 0.01 min
Lab File: VX008609.D
Acq: 03 Apr 2019 11:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.3	30.5	45.7
71	35.9	28.6	43.0

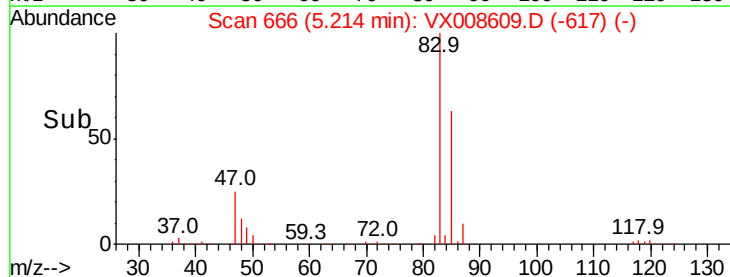
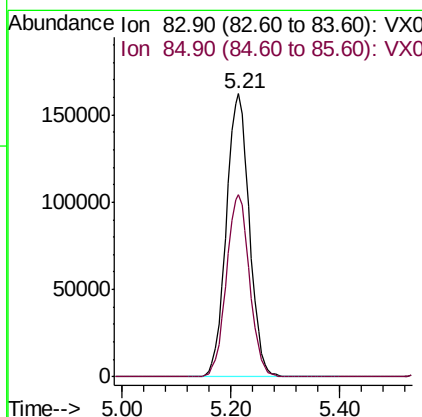
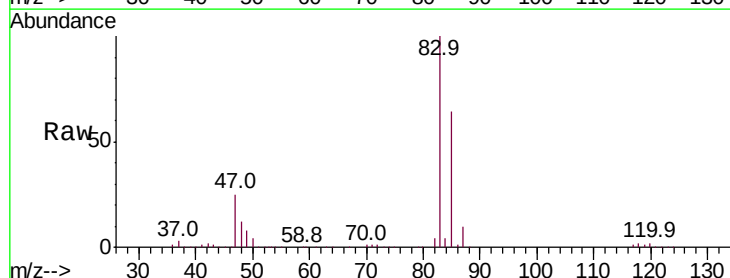
Manual Integrations
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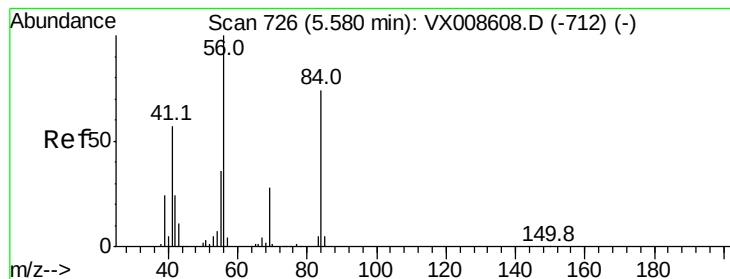
MMDadoda
4/4/2019 3:38:31 PM



#30
Chloroform
Concen: 97.383 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX008609.D
Acq: 03 Apr 2019 11:06

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	52.1	78.1





#31

Cyclohexane

Concen: 96.171 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX008609.D

Acq: 03 Apr 2019 11:06

Instrument :

MSVOA_X

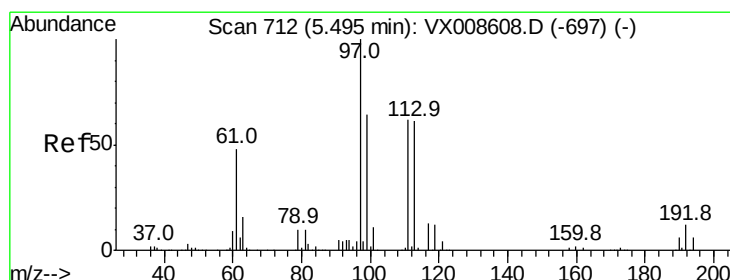
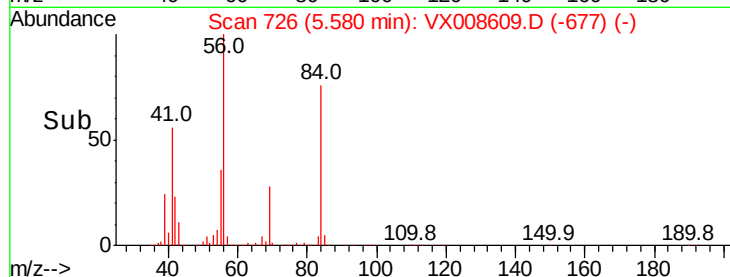
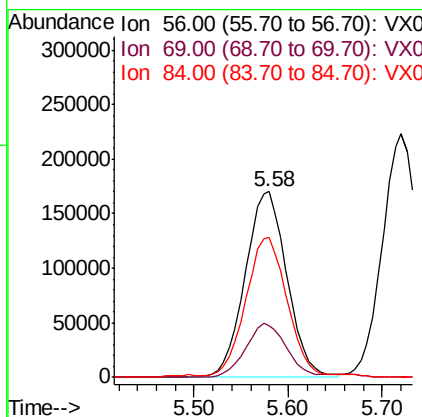
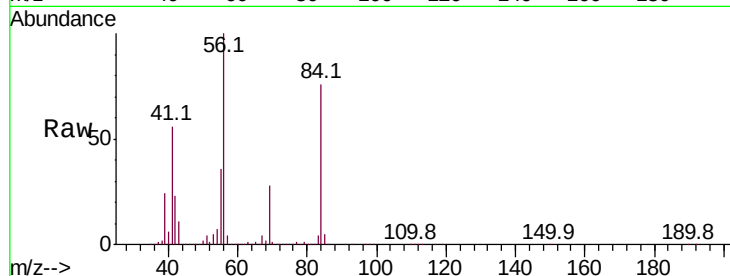
ClientSampleId :

VSTDIC100

Tot Ion	56	Resp	526958
Ion	Ratio	Lower	Upper
56	100		
69	28.1	22.6	33.8
84	74.4	59.3	88.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 101.786 ug/l

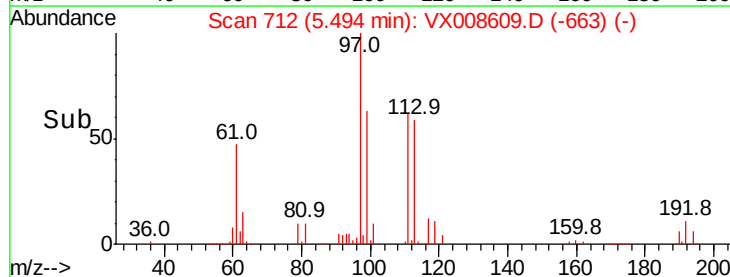
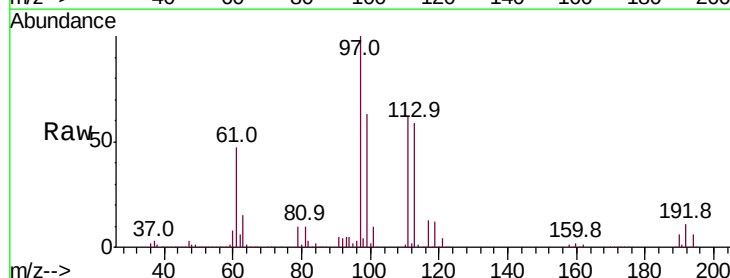
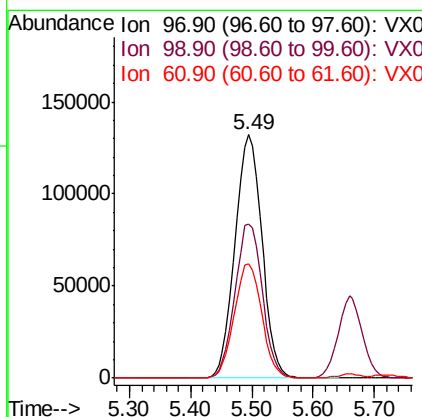
RT: 5.49 min Scan# 712

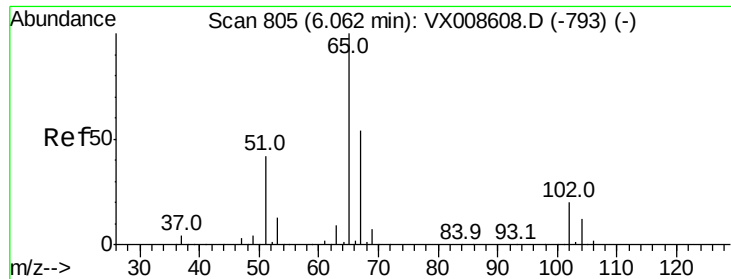
Delta R.T. -0.00 min

Lab File: VX008609.D

Acq: 03 Apr 2019 11:06

Tgt Ion	97	Resp	403425
Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.3	76.9
61	47.8	38.9	58.3





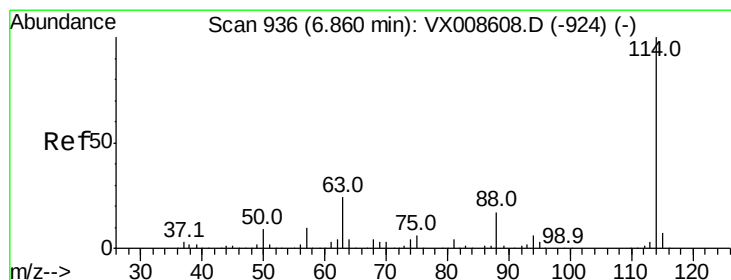
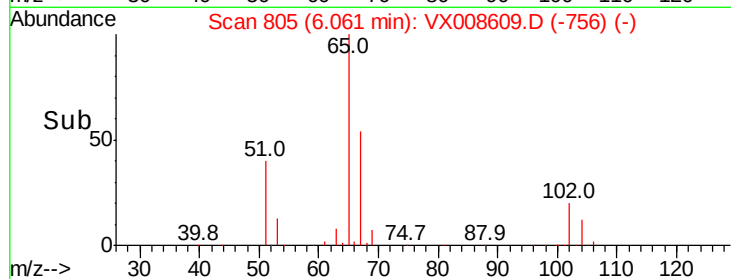
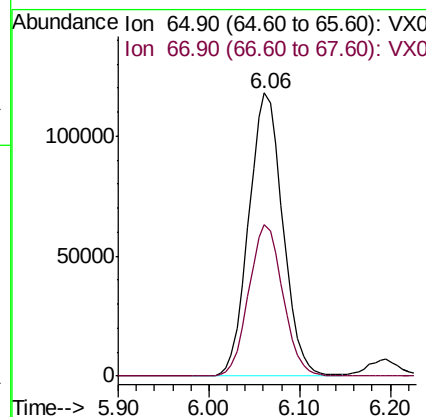
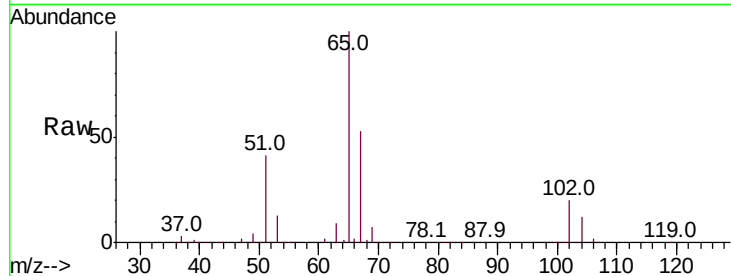
#33
 1,2-Dichloroethane-d4
 Concen: 96.698 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX008609.D
 Acq: 03 Apr 2019 11:06

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.6	0.0	107.2

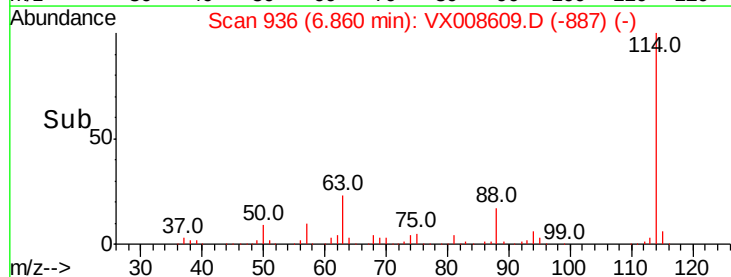
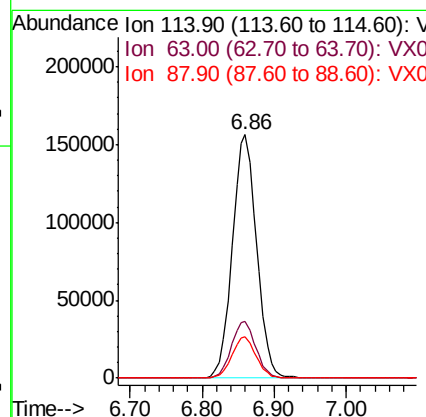
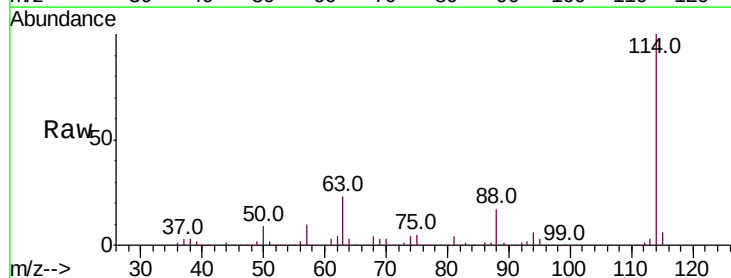
Manual Integrations
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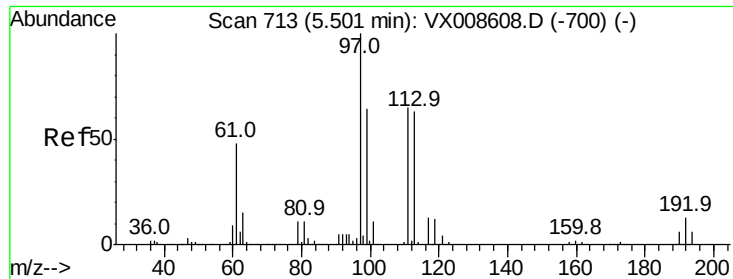
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX008609.D
 Acq: 03 Apr 2019 11:06

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.2	0.0	47.2
88	16.8	0.0	34.0





#35

Dibromofluoromethane

Concen: 97.244 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX008609.D

Acq: 03 Apr 2019 11:06

Instrument :

MSVOA_X

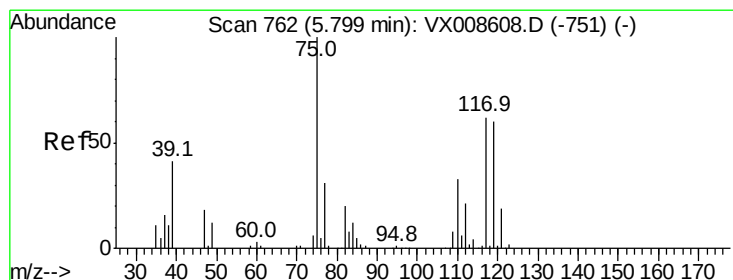
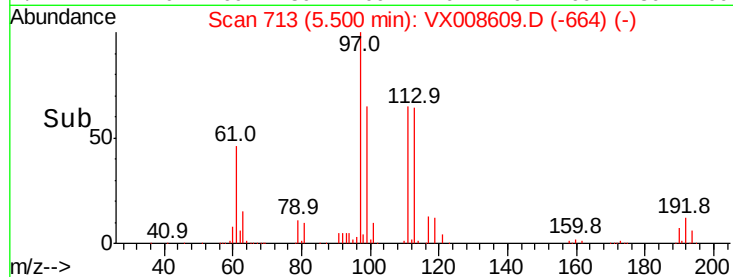
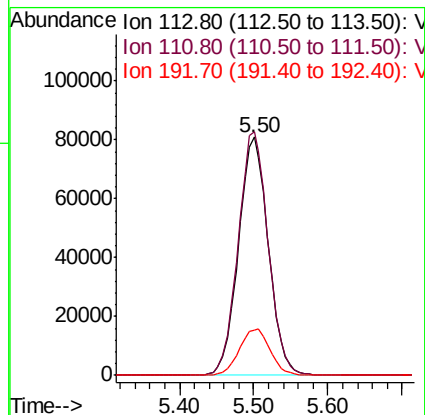
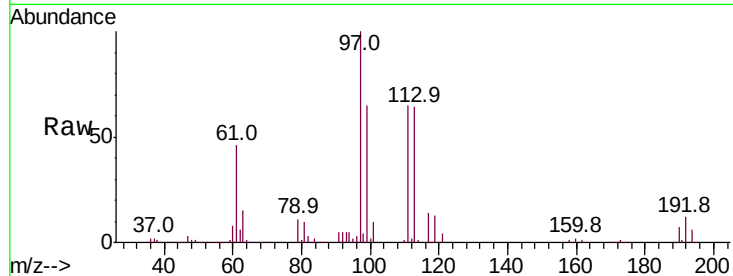
ClientSampled :

VSTDIC100

Tot Ion:	113	Resp:	227659
Ion	Ratio	Lower	Upper
113	100		
111	102.9	83.4	125.2
192	20.1	16.1	24.1

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 95.970 ug/l

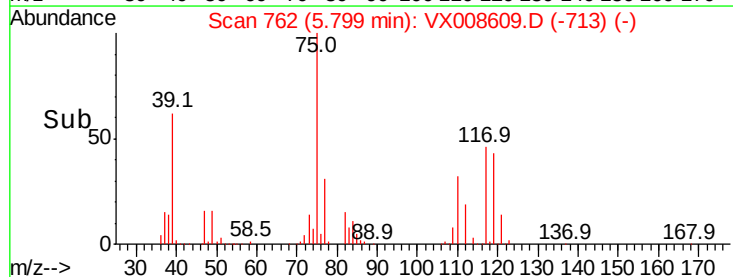
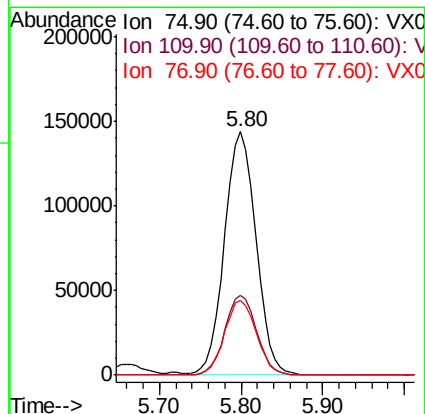
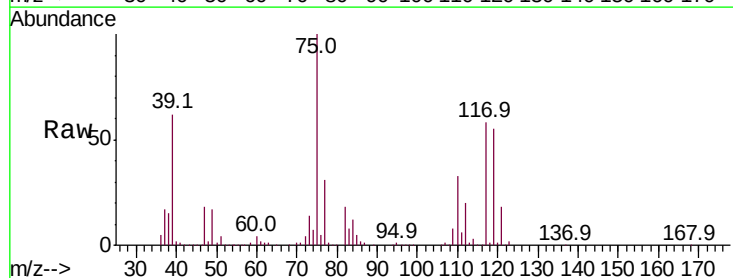
RT: 5.80 min Scan# 762

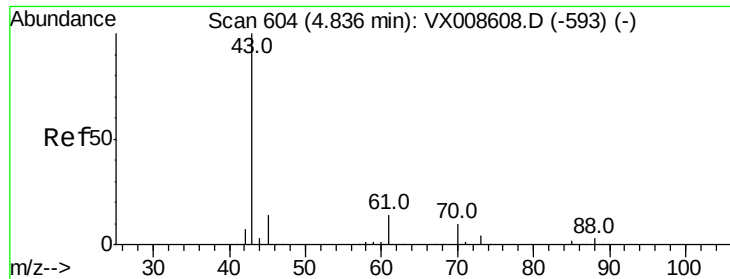
Delta R.T. -0.00 min

Lab File: VX008609.D

Acq: 03 Apr 2019 11:06

Tgt Ion:	75	Resp:	384123
Ion	Ratio	Lower	Upper
75	100		
110	33.1	16.4	49.2
77	31.0	24.7	37.1





#37

Ethyl Acetate

Concen: 98.337 ug/l

RT: 4.84 min Scan# 604

Delta R.T. -0.00 min

Lab File: VX008609.D

Acq: 03 Apr 2019 11:06

Instrument :

MSVOA_X

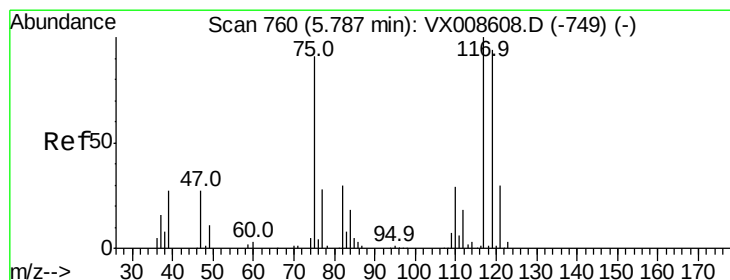
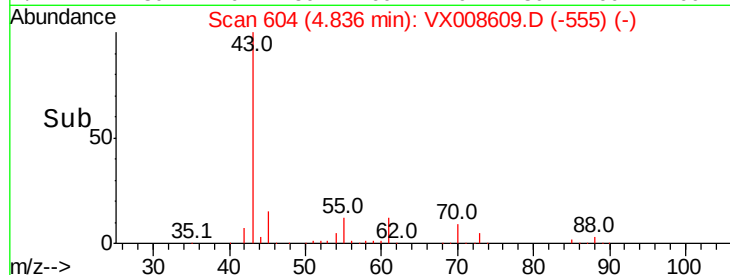
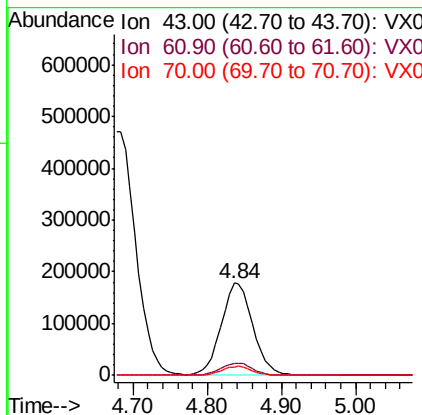
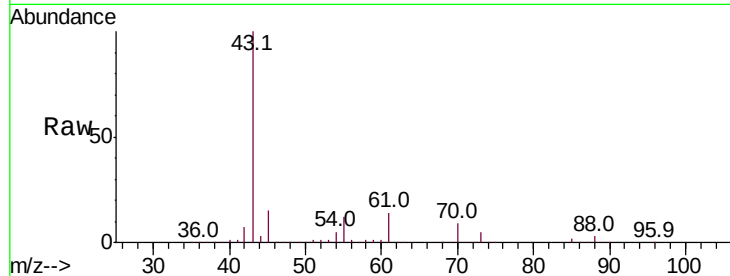
ClientSampleId :

VSTDIC100

Tot Ion:	43	Resp:	525371
Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.3	15.5
70	9.5	7.6	11.4

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 101.924 ug/l

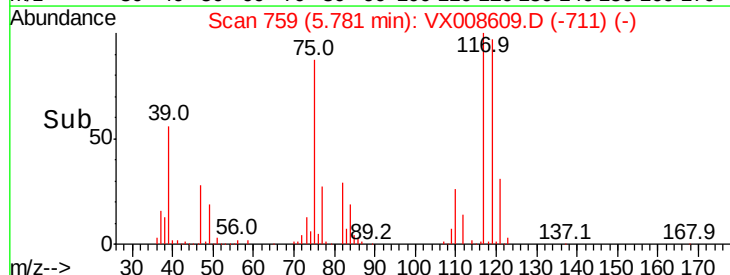
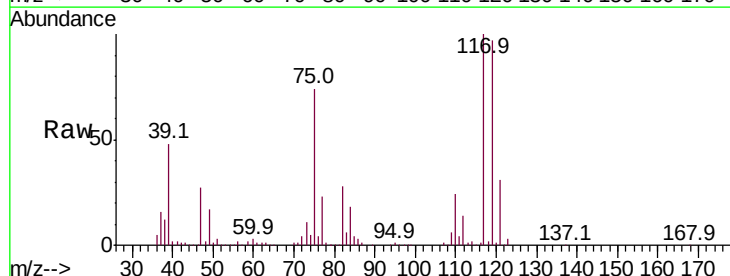
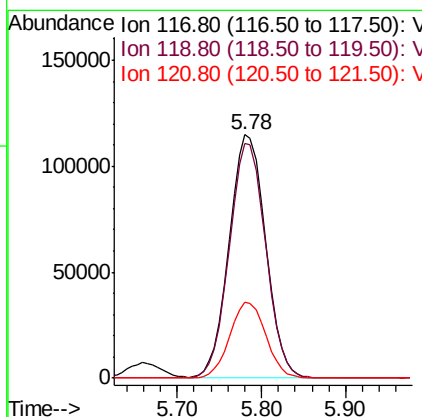
RT: 5.78 min Scan# 759

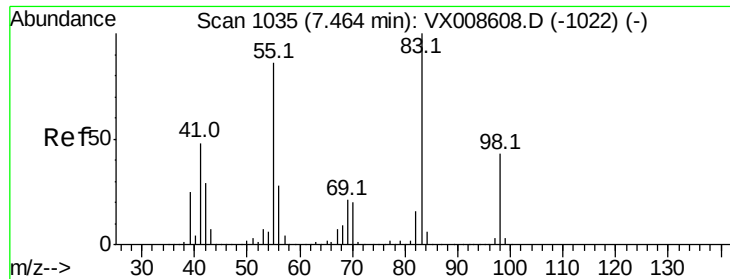
Delta R.T. -0.01 min

Lab File: VX008609.D

Acq: 03 Apr 2019 11:06

Tgt Ion:	117	Resp:	337648
Ion	Ratio	Lower	Upper
117	100		
119	96.6	75.0	112.6
121	30.9	24.3	36.5





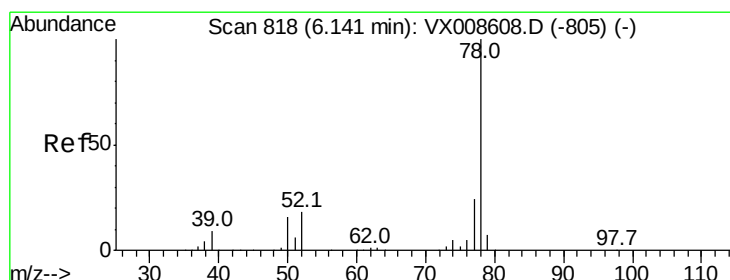
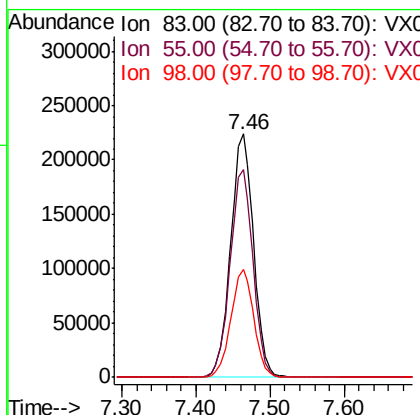
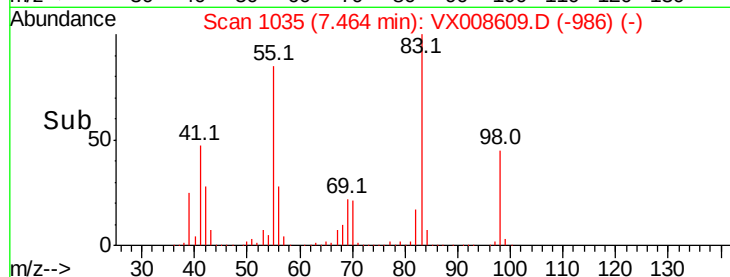
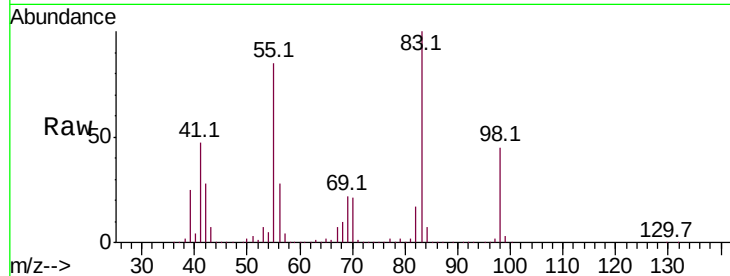
#39
Methylvlcyclohexane
Concen: 97.496 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX008609.D
Acq: 03 Apr 2019 11:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	85.4	69.0	103.6
98	44.5	34.4	51.6

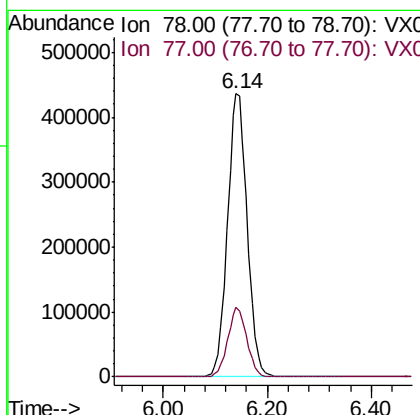
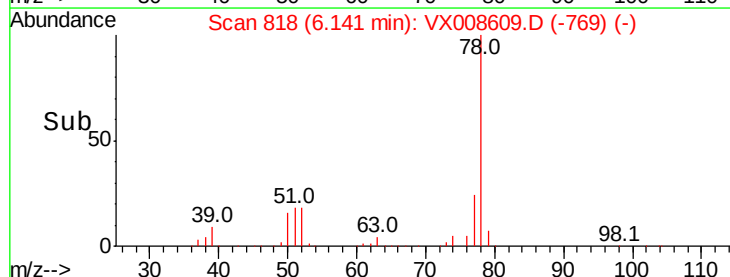
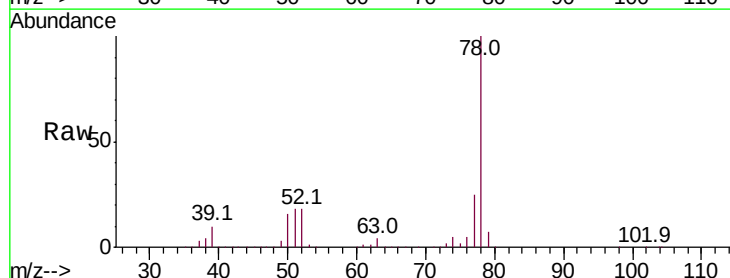
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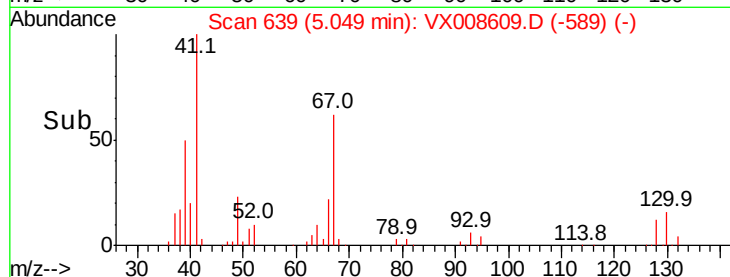
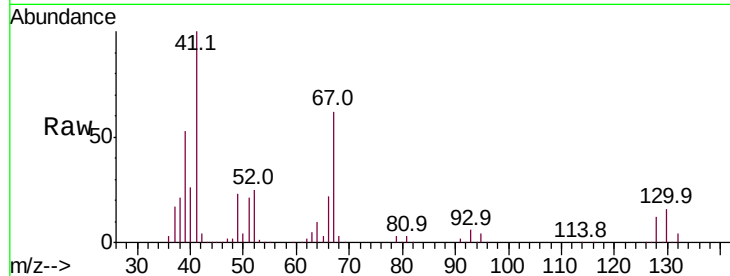
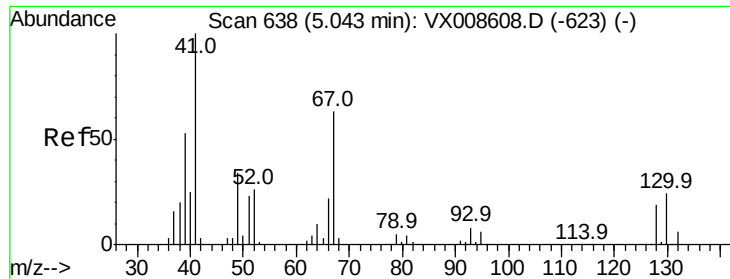
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#40
Benzene
Concen: 97.072 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX008609.D
Acq: 03 Apr 2019 11:06

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.6	19.1	28.7





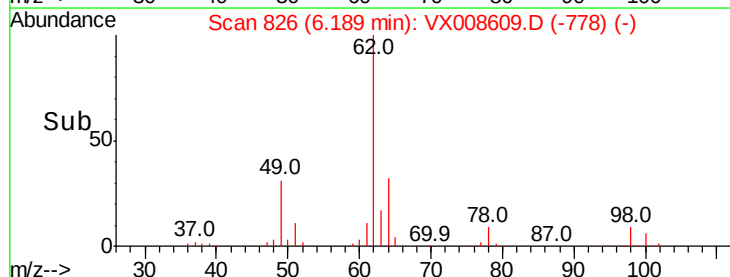
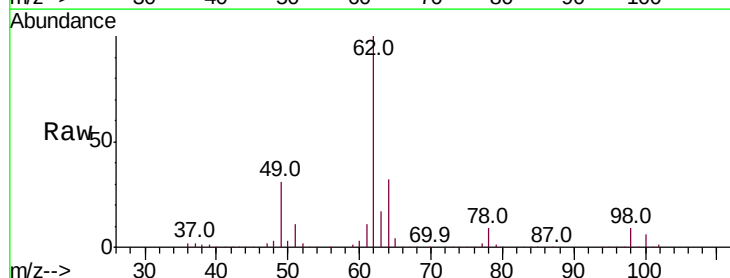
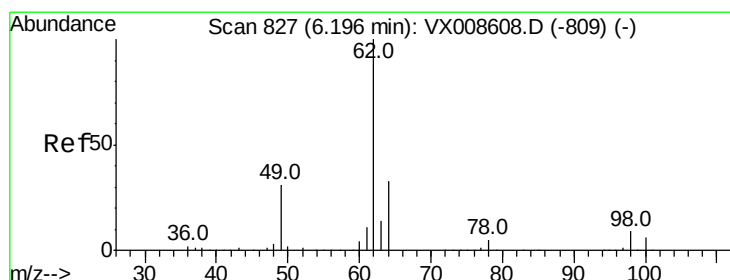
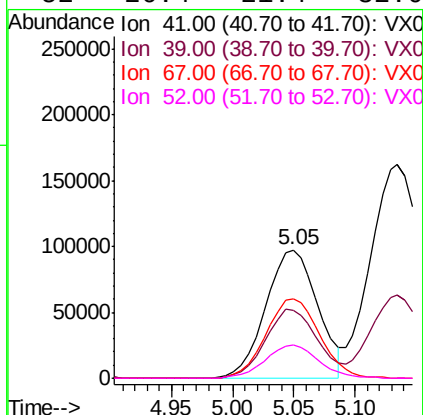
#41
Methacrylonitrile
Concen: 93.775 ug/l
RT: 5.05 min Scan# 639
Delta R.T. 0.01 min
Lab File: VX008609.D
Acq: 03 Apr 2019 11:06

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.5	42.1	63.1	
67	64.4	51.0	76.6	
52	26.4	21.4	32.0	

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

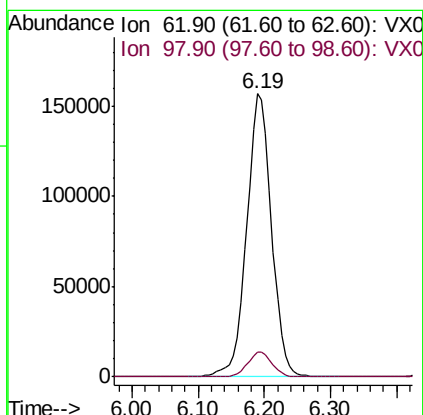
Manual Integrations
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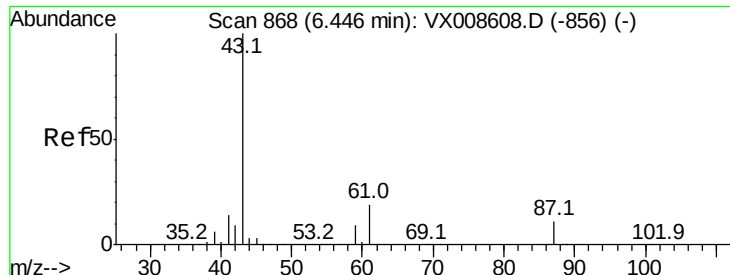
MMDadoda
4/4/2019 3:38:31 PM



#42
1,2-Dichloroethane
Concen: 95.888 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.01 min
Lab File: VX008609.D
Acq: 03 Apr 2019 11:06

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.6	0.0	18.0	





#43

Isopropyl Acetate

Concen: 100.466 ug/l

RT: 6.45 min Scan# 868

Delta R.T. -0.00 min

Lab File: VX008609.D

Acq: 03 Apr 2019 11:06

Instrument :

MSVOA_X

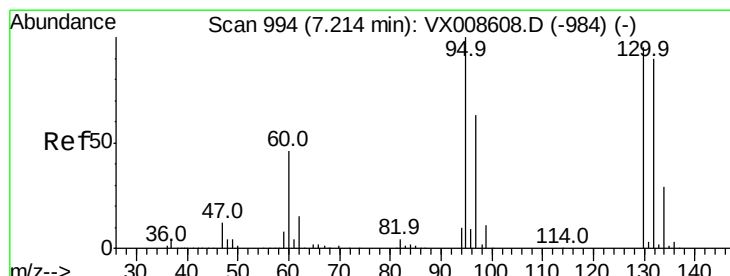
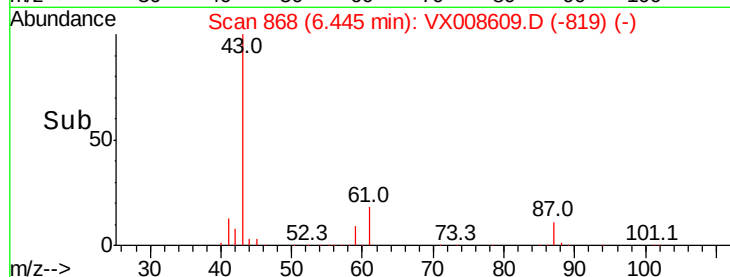
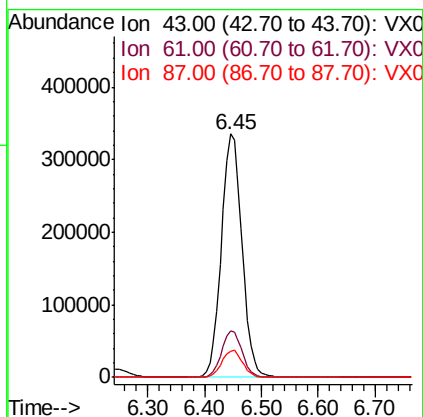
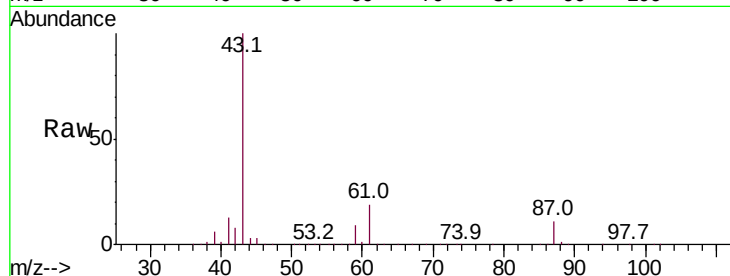
ClientSampleId :

VSTDIC100

Tot Ion:	43	Resp:	840810
Ion	Ratio	Lower	Upper
43	100		
61	19.0	15.3	22.9
87	11.2	9.0	13.6

Manual Integrations
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4/4/2019 3:38:31 PM



#44

Trichloroethene

Concen: 97.249 ug/l

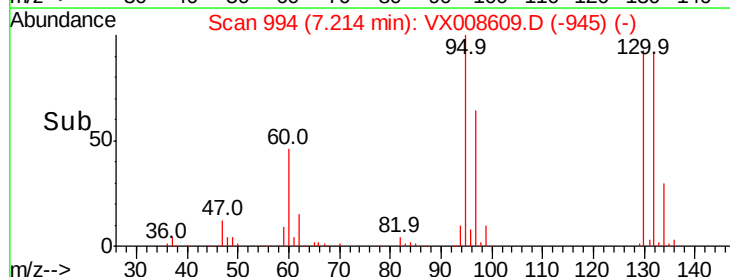
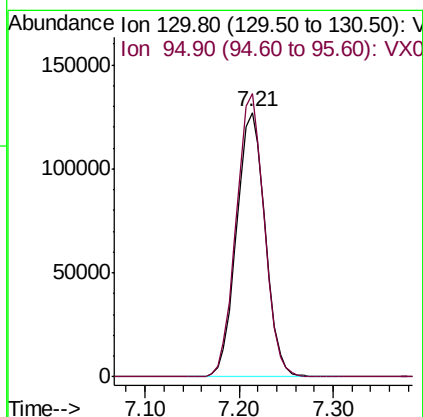
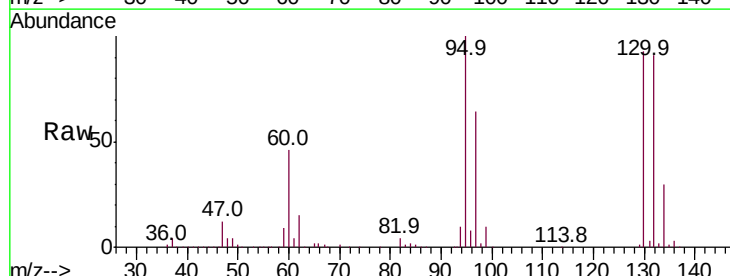
RT: 7.21 min Scan# 994

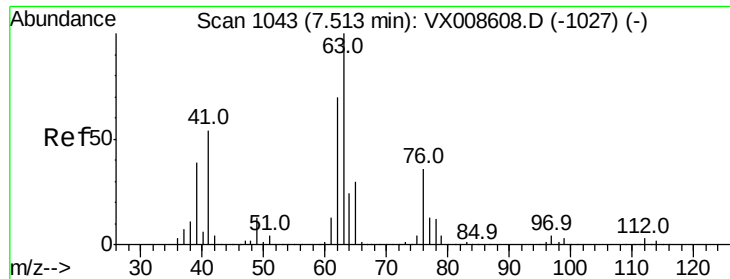
Delta R.T. -0.00 min

Lab File: VX008609.D

Acq: 03 Apr 2019 11:06

Tgt Ion:	130	Resp:	270078
Ion	Ratio	Lower	Upper
130	100		
95	107.1	0.0	209.8





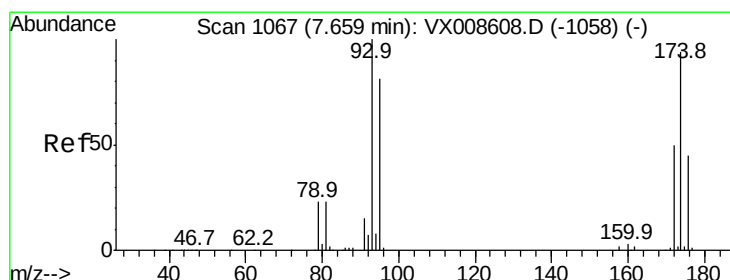
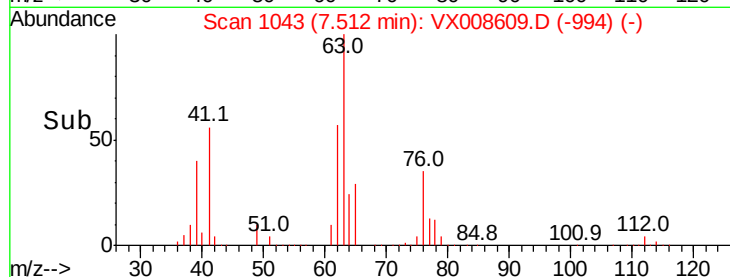
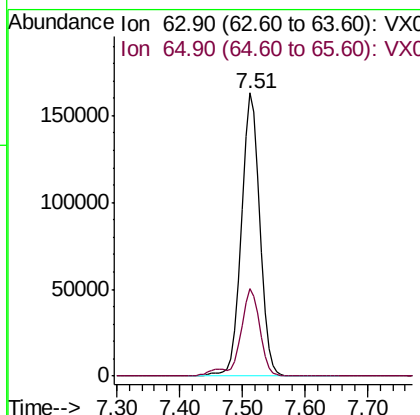
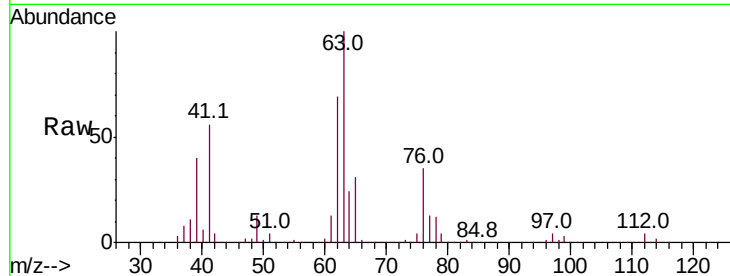
#45
 1,2-Dichloropropane
 Concen: 97.157 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX008609.D
 Acq: 03 Apr 2019 11:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion: 63 Resp: 330665
 Ion Ratio Lower Upper
 63 100
 65 30.9 24.2 36.4

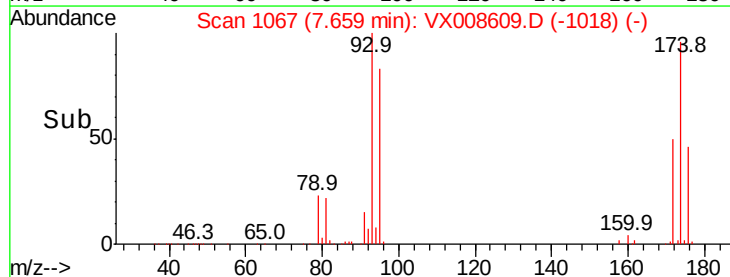
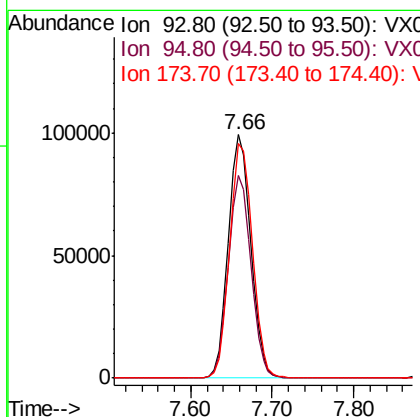
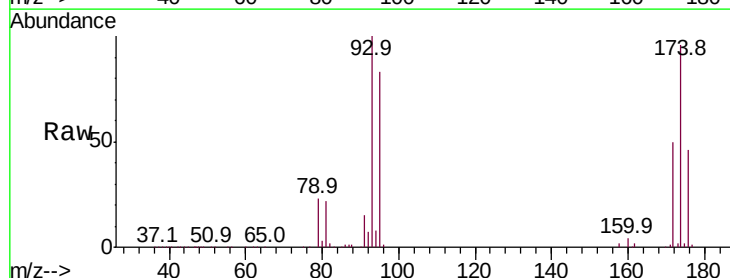
Manual Integrations
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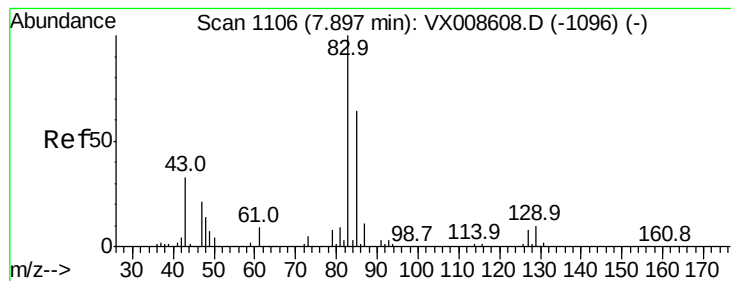
MMDadoda
 4/4/2019 3:38:31 PM



#46
 Dibromomethane
 Concen: 95.493 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX008609.D
 Acq: 03 Apr 2019 11:06

Tgt Ion: 93 Resp: 188495
 Ion Ratio Lower Upper
 93 100
 95 83.6 66.6 99.8
 174 97.8 77.7 116.5





#47

Bromodichloromethane

Concen: 102.665 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX008609.D

Acq: 03 Apr 2019 11:06

Instrument :

MSVOA_X

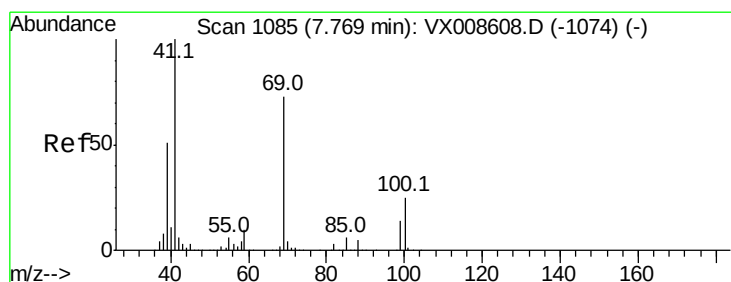
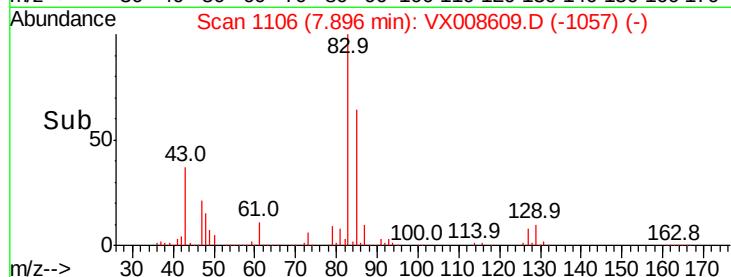
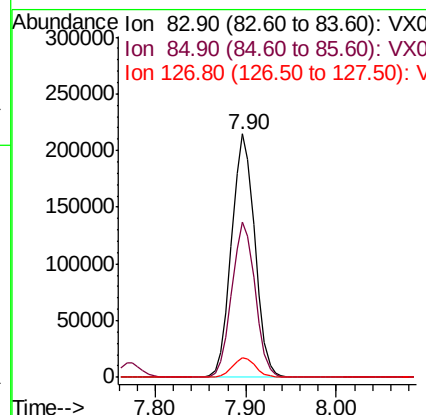
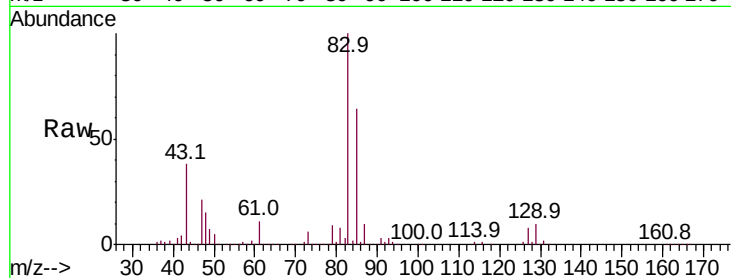
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	382101
Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.2	76.8
127	8.0	6.6	10.0

Manual Integrations
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MMDadoda
4/4/2019 3:38:31 PM



#48

Methyl methacrylate

Concen: 97.492 ug/l

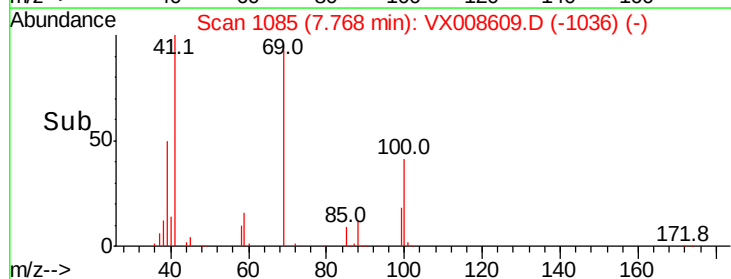
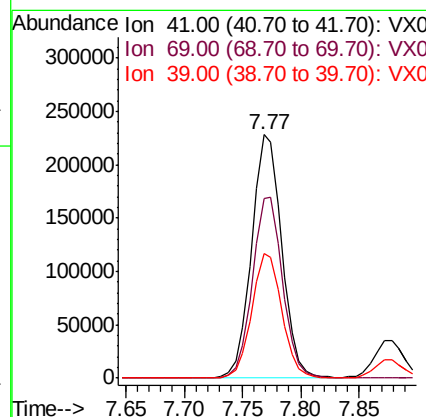
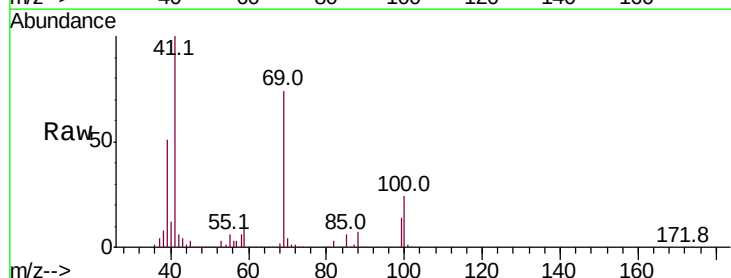
RT: 7.77 min Scan# 1085

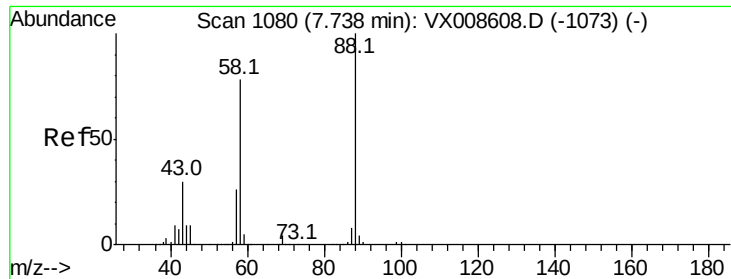
Delta R.T. -0.00 min

Lab File: VX008609.D

Acq: 03 Apr 2019 11:06

Tgt Ion:	41	Resp:	412736
Ion	Ratio	Lower	Upper
41	100		
69	74.5	59.0	88.4
39	51.1	41.0	61.4





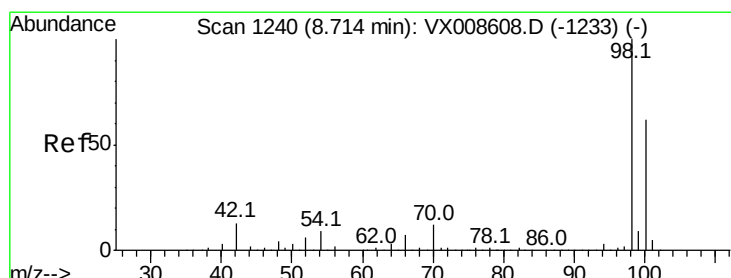
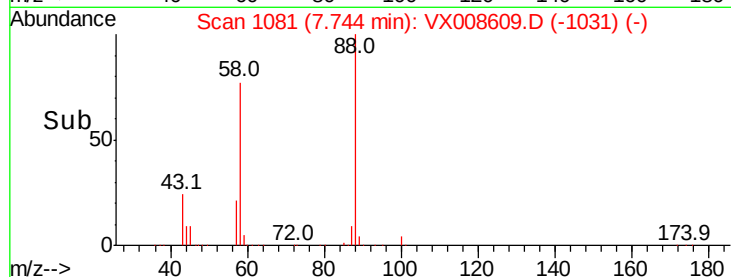
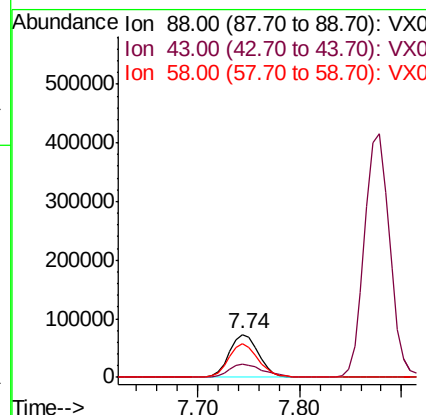
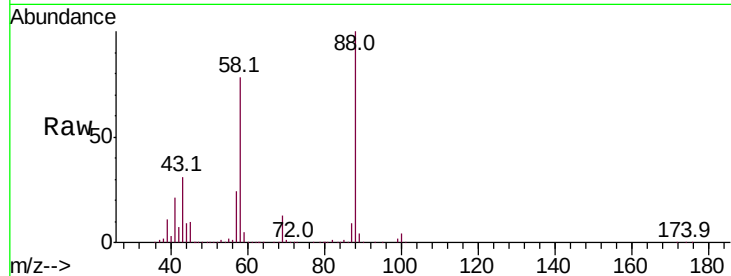
#49
1,4-Dioxane
Concen: 1850.091 ug/l
RT: 7.74 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VX008609.D
Acq: 03 Apr 2019 11:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.4	28.6	43.0
58	79.4	62.2	93.2

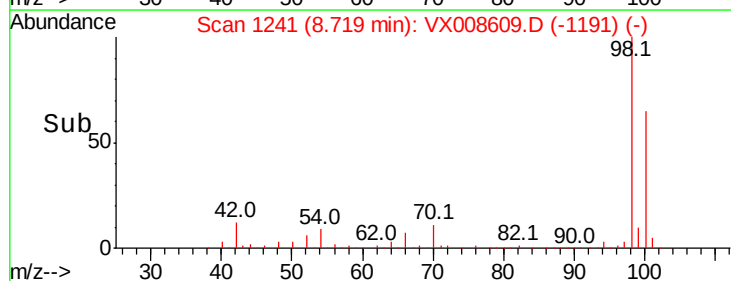
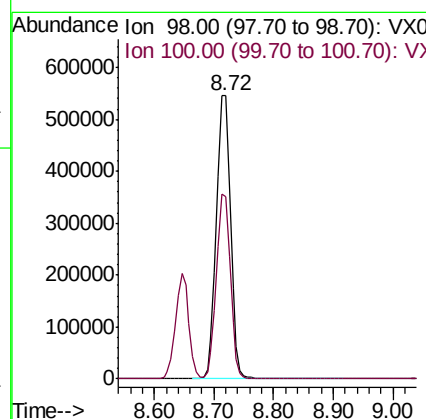
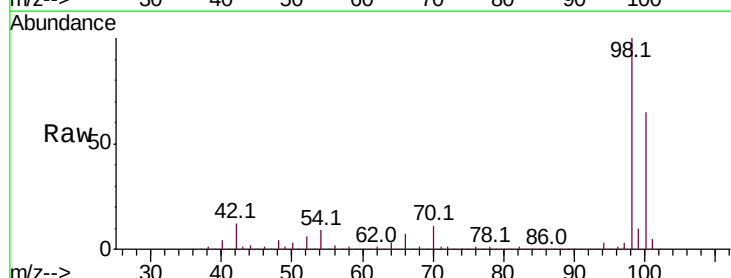
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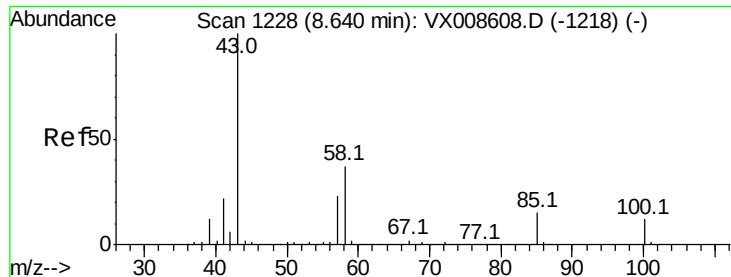
MMDadoda
4/4/2019 3:38:31 PM



#50
Toluene-d8
Concen: 95.114 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. 0.01 min
Lab File: VX008609.D
Acq: 03 Apr 2019 11:06

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.4	77.0





#51

4-Methyl-2-Pentanone

Concen: 473.337 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. 0.01 min

Lab File: VX008609.D

Acq: 03 Apr 2019 11:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 2550109

Ion Ratio Lower Upper

43 100

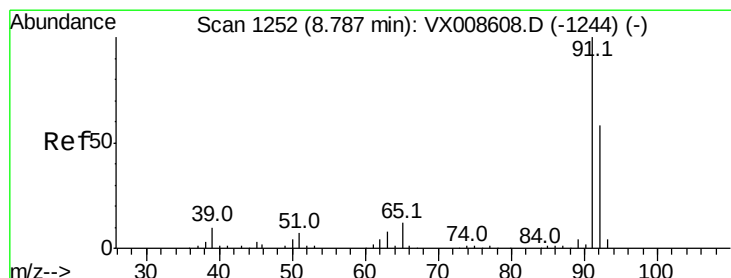
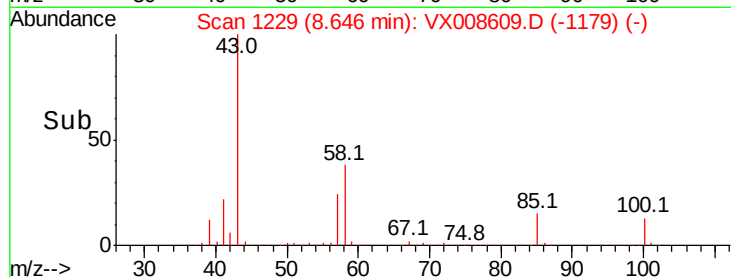
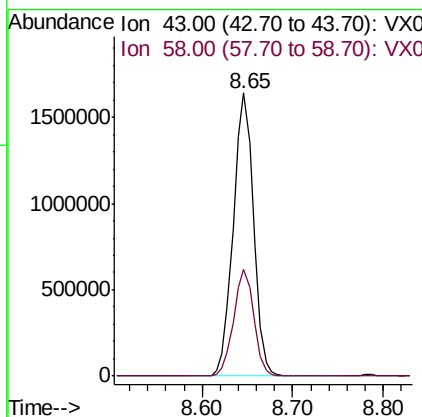
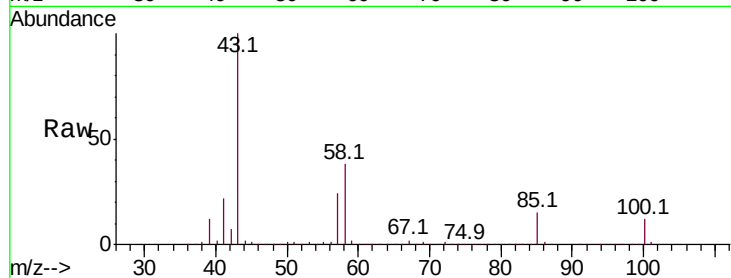
58 37.5 29.5 44.3

Manual Integrations

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#52

Toluene

Concen: 96.320 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX008609.D

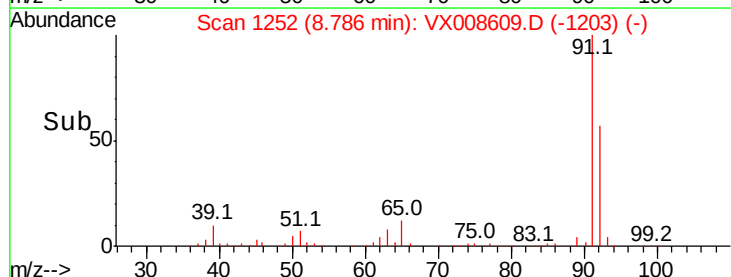
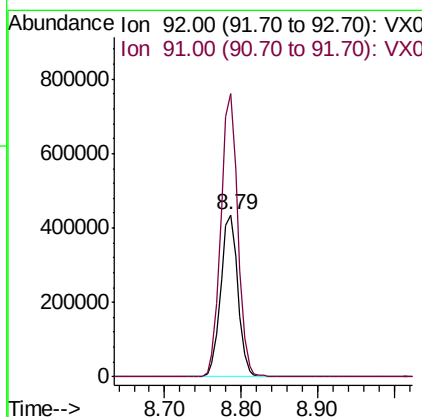
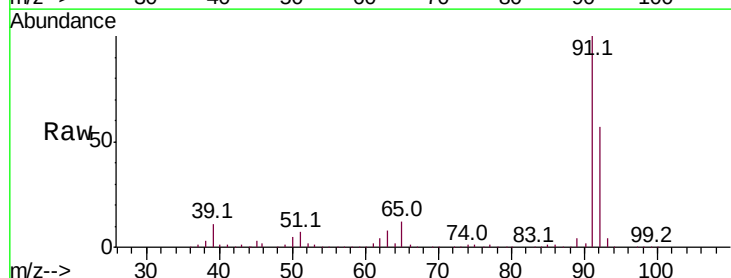
Acq: 03 Apr 2019 11:06

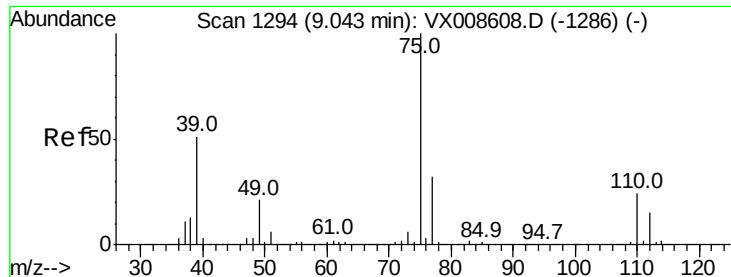
Tgt Ion: 92 Resp: 677112

Ion Ratio Lower Upper

92 100

91 172.7 138.5 207.7





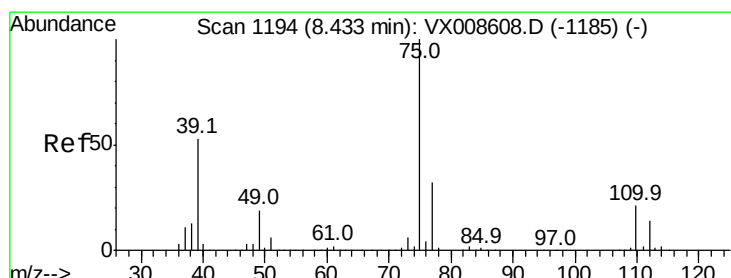
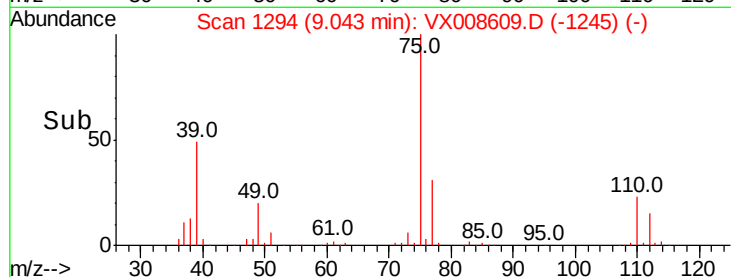
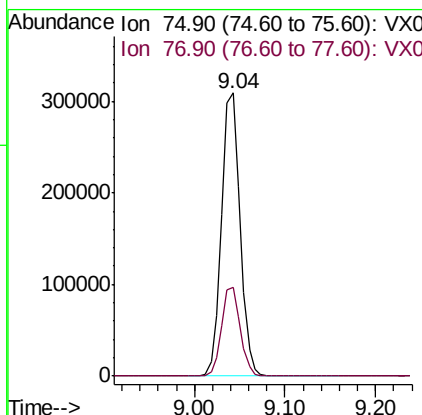
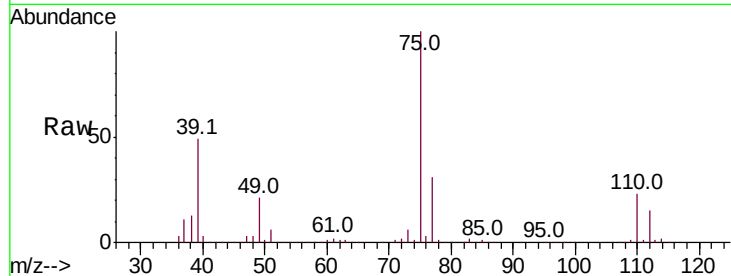
#53
 t-1,3-Dichloropropene
 Concen: 106.164 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. -0.00 min
 Lab File: VX008609.D
 Acq: 03 Apr 2019 11:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.2	37.8

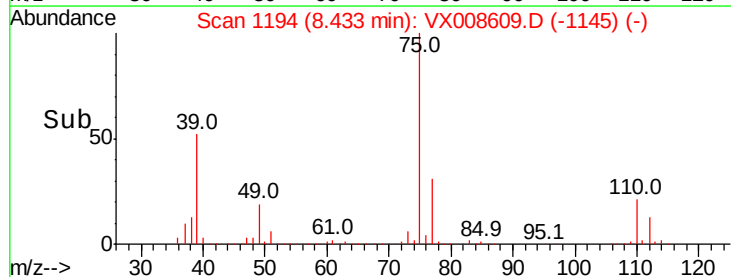
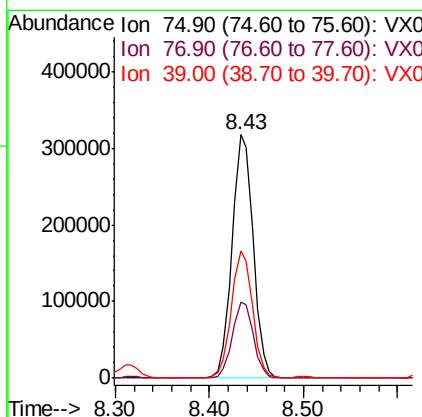
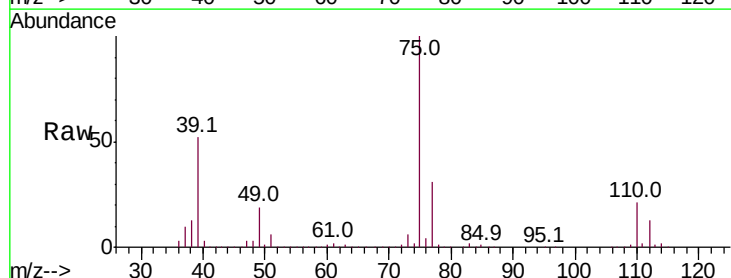
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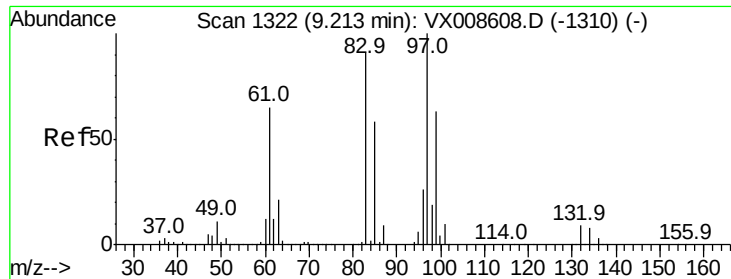
MMDadoda
 4/4/2019 3:38:31 PM



#54
 cis-1,3-Dichloropropene
 Concen: 103.690 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: VX008609.D
 Acq: 03 Apr 2019 11:06

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.0	25.3	37.9
39	52.4	42.6	63.8





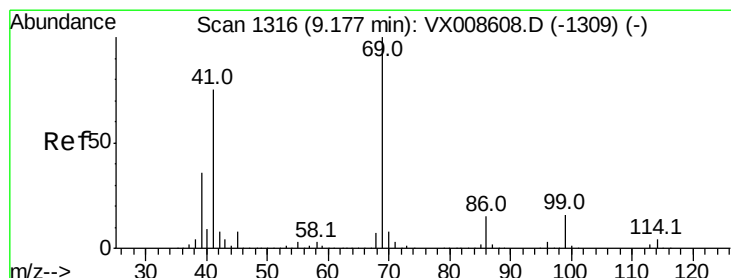
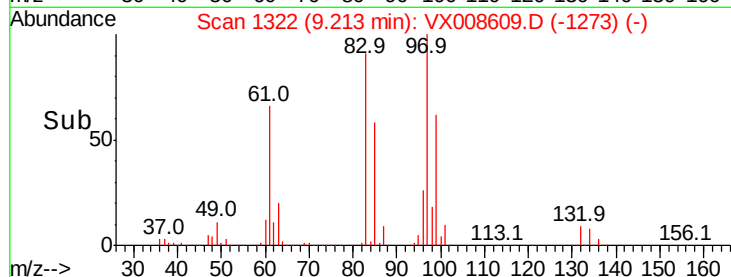
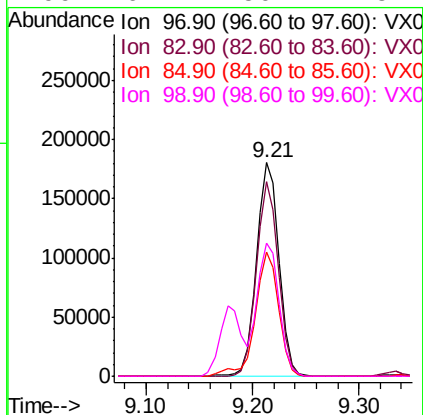
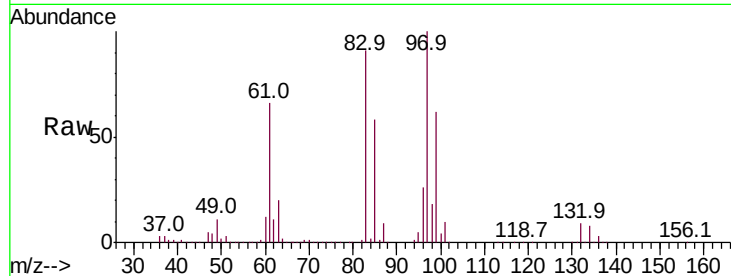
#55
 1,1,2-Trichloroethane
 Concen: 94.968 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX008609.D
 Acq: 03 Apr 2019 11:06

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		267983		
83	91.2	73.2	109.8		
85	58.4	46.6	69.8		
99	62.4	50.1	75.1		

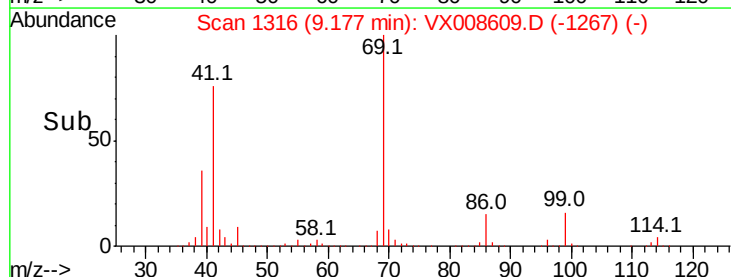
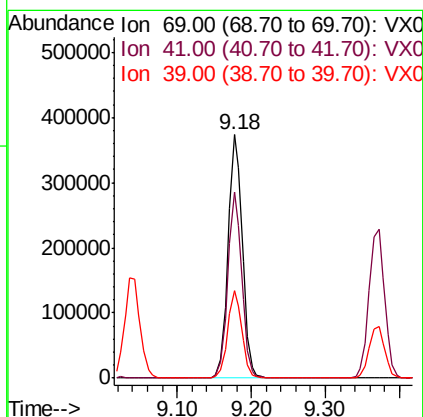
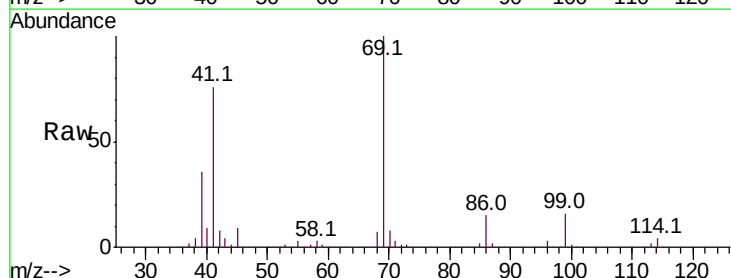
Manual Integrations
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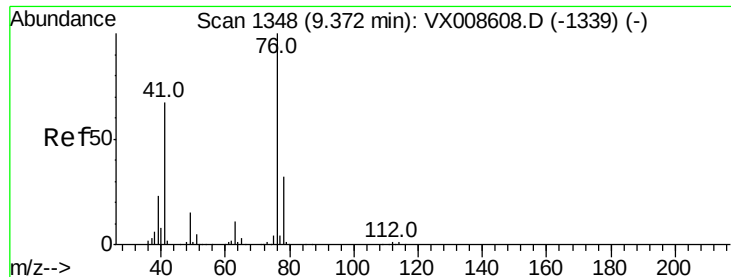
MMDadoda
 4/4/2019 3:38:31 PM



#56
 Ethyl methacrylate
 Concen: 98.417 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX008609.D
 Acq: 03 Apr 2019 11:06

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		502476		
41	74.9	60.1	90.1		
39	35.6	28.9	43.3		





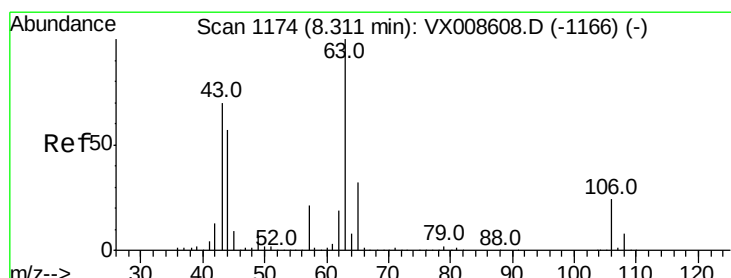
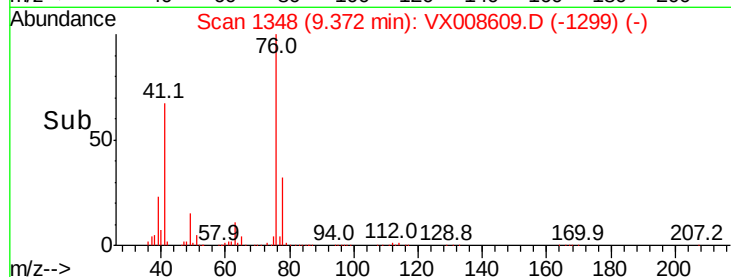
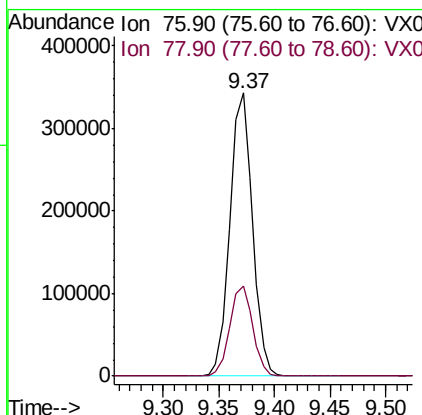
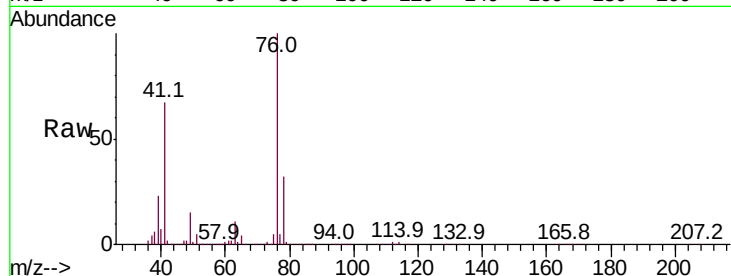
#57
 1,3-Dichloropropane
 Concen: 95.057 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX008609.D
 Acq: 03 Apr 2019 11:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion: 76 Resp: 481660
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.6 38.4

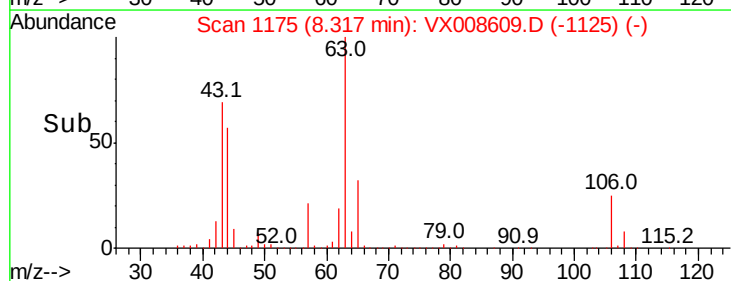
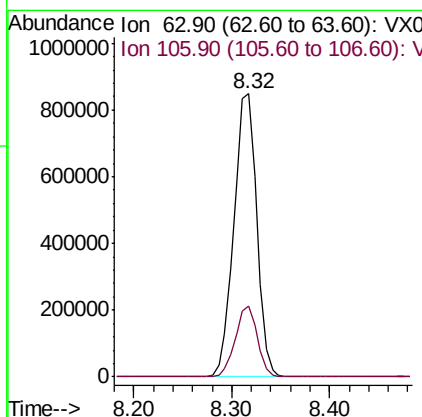
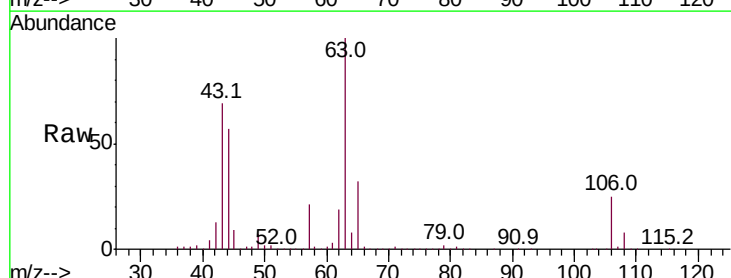
Manual Integrations
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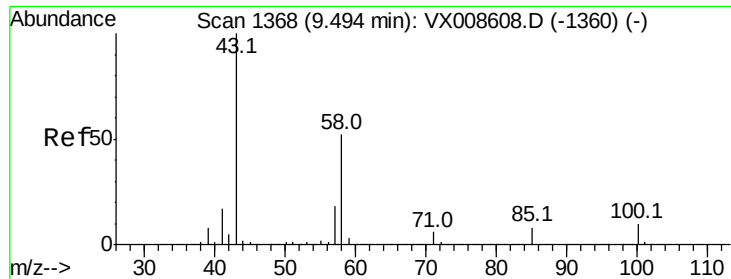
MMDadoda
 4/4/2019 3:38:31 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 527.460 ug/l
 RT: 8.32 min Scan# 1175
 Delta R.T. 0.01 min
 Lab File: VX008609.D
 Acq: 03 Apr 2019 11:06

Tgt Ion: 63 Resp: 1375096
 Ion Ratio Lower Upper
 63 100
 106 24.0 19.0 28.6





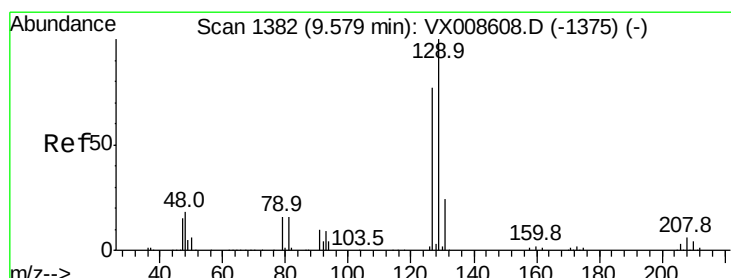
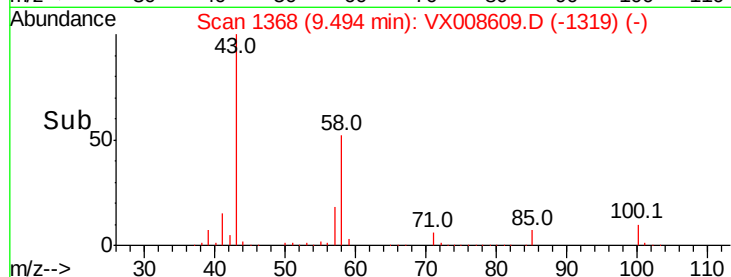
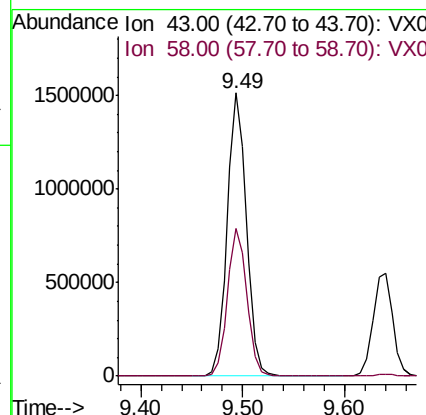
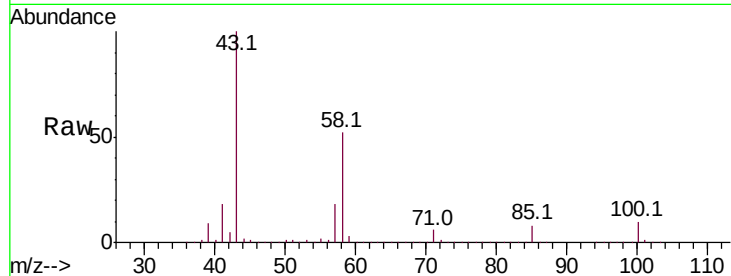
#59
2-Hexanone
Concen: 473.776 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VX008609.D
Acq: 03 Apr 2019 11:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 1983647
Ion Ratio Lower Upper
43 100
58 52.4 25.9 77.7

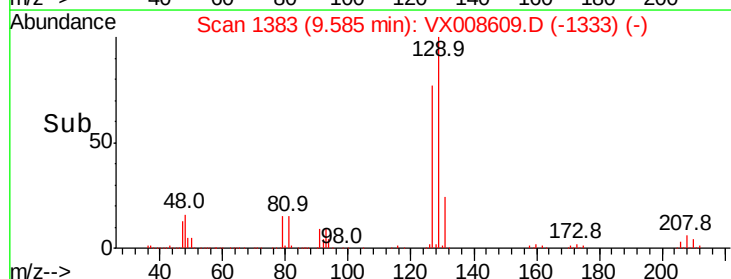
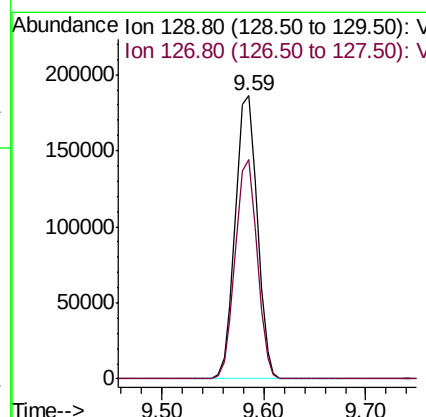
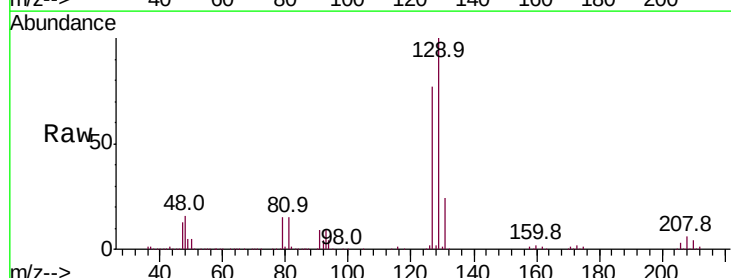
Manual Integrations
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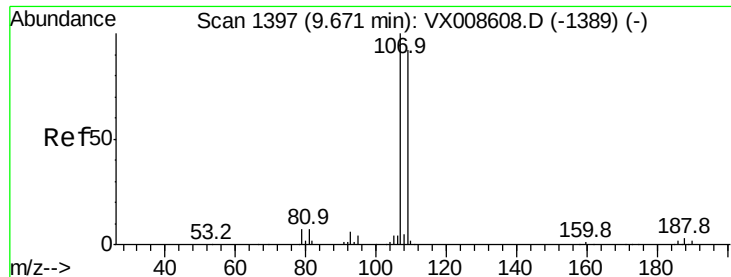
MMDadoda
4/4/2019 3:38:31 PM



#60
Dibromochloromethane
Concen: 104.032 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.01 min
Lab File: VX008609.D
Acq: 03 Apr 2019 11:06

Tgt Ion: 129 Resp: 276627
Ion Ratio Lower Upper
129 100
127 77.2 38.5 115.3





#61

1,2-Dibromoethane

Concen: 95.683 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX008609.D

Acq: 03 Apr 2019 11:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:107 Resp: 281081

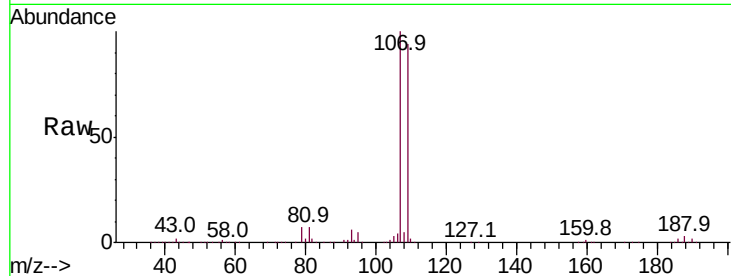
Ion Ratio Lower Upper

107 100

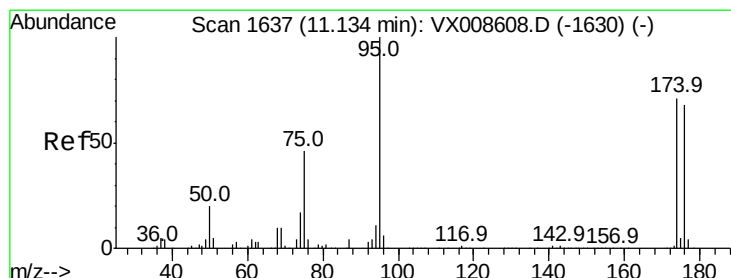
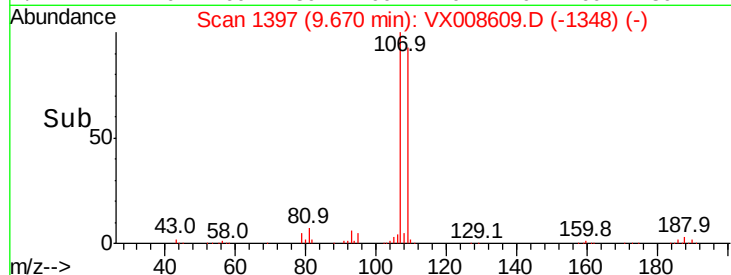
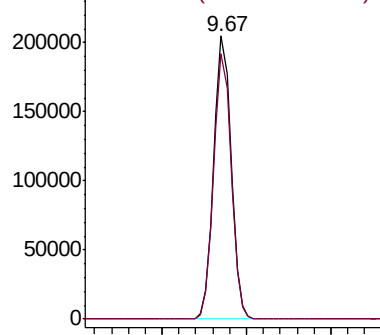
109 94.5 74.1 111.1

Manual Integrations
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Abundance Ion 106.90 (106.60 to 107.60): V



#62

4-Bromofluorobenzene

Concen: 95.113 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008609.D

Acq: 03 Apr 2019 11:06

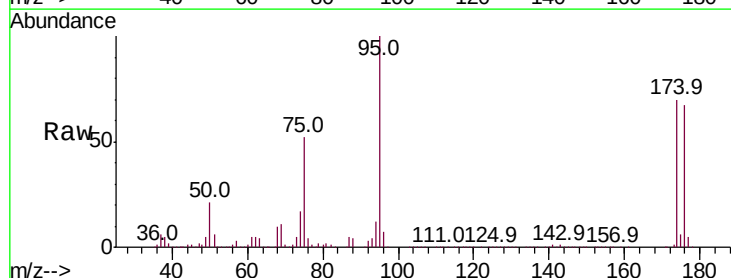
Tgt Ion: 95 Resp: 314407

Ion Ratio Lower Upper

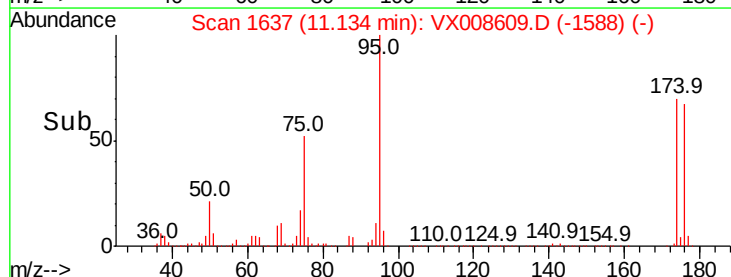
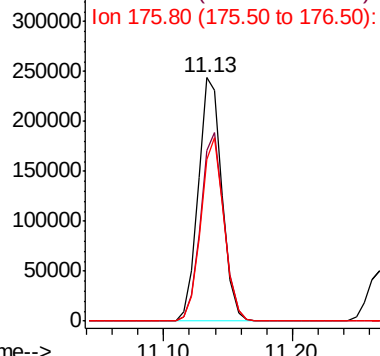
95 100

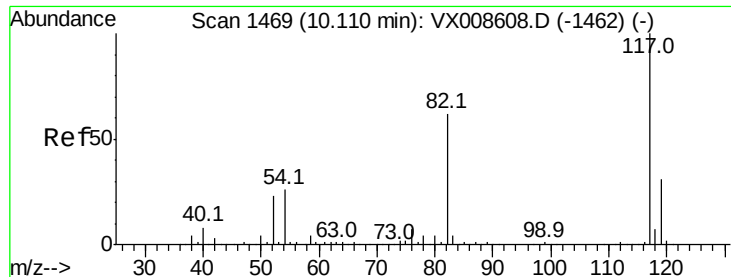
174 76.3 0.0 151.8

176 74.0 0.0 145.8



Abundance Ion 94.90 (94.60 to 95.60): VX0





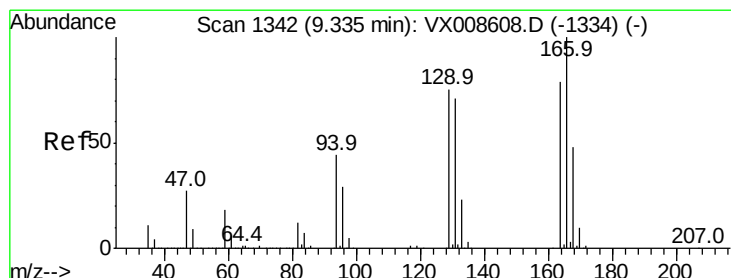
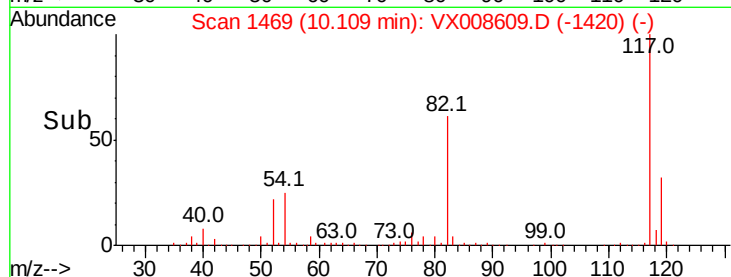
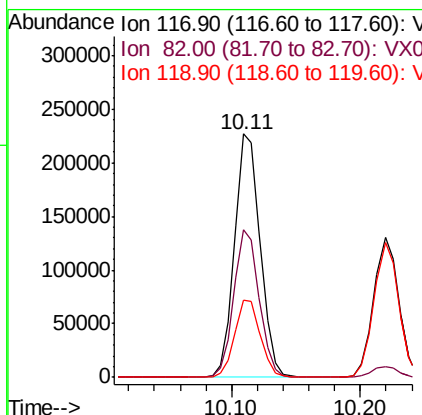
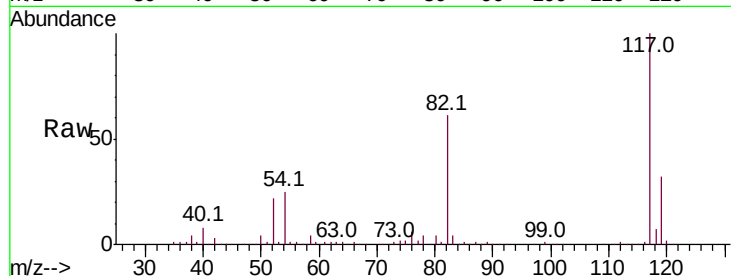
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008609.D
Acq: 03 Apr 2019 11:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.8	49.6	74.4
119	31.7	25.0	37.4

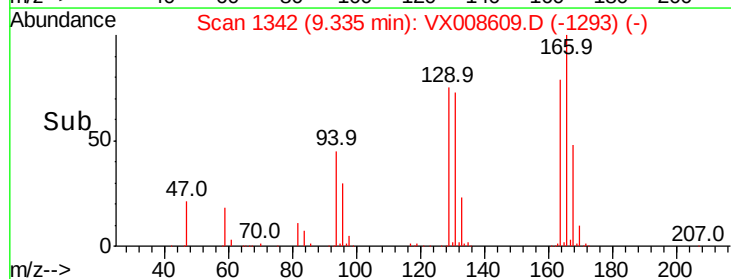
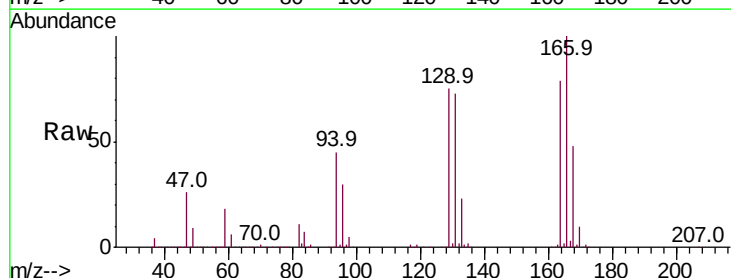
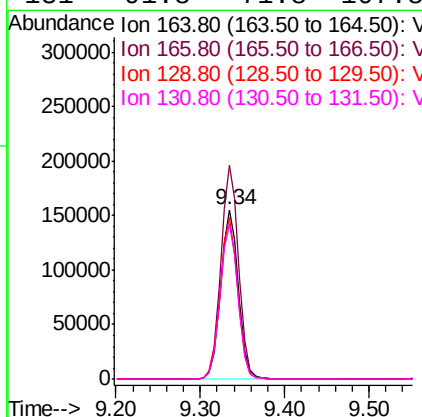
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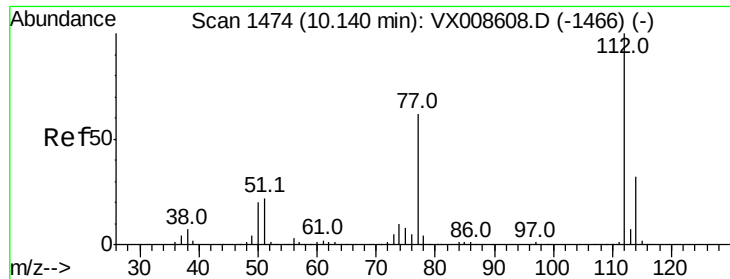
MMDadoda
4/4/2019 3:38:31 PM



#64
Tetrachloroethene
Concen: 95.855 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX008609.D
Acq: 03 Apr 2019 11:06

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.3	101.0	151.6
129	95.3	75.8	113.8
131	91.8	71.8	107.8





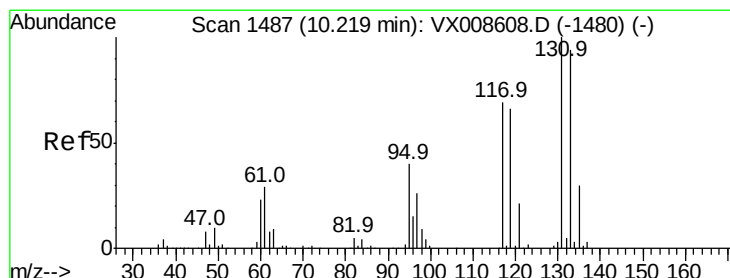
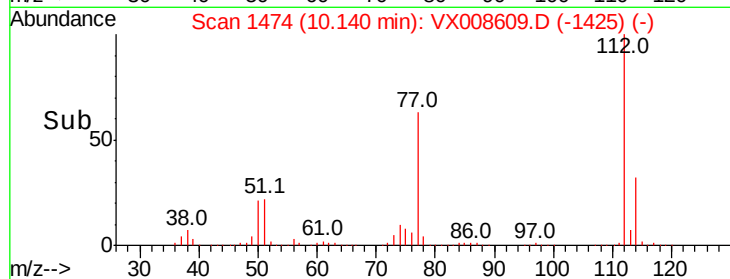
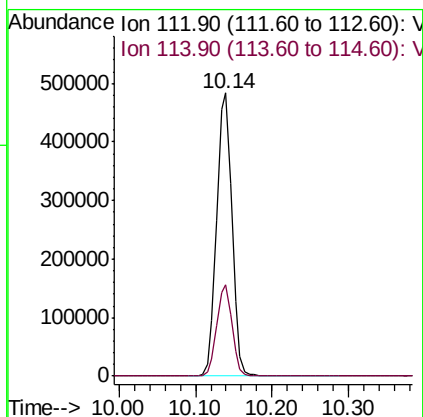
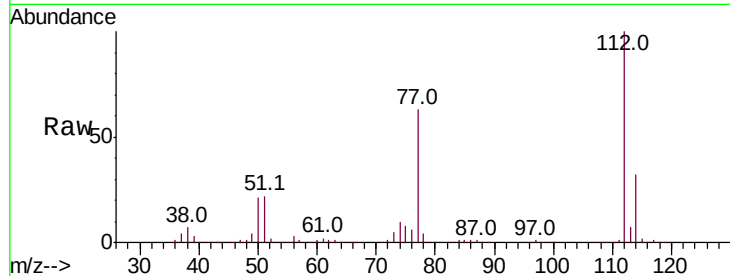
#65
Chlorobenzene
Concen: 95.705 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX008609.D
Acq: 03 Apr 2019 11:06

Instrument :
MSVOA_X
ClientSampled :
VSTDIC100

Tot Ion:112 Resp: 670451
Ion Ratio Lower Upper
112 100
114 32.1 25.8 38.8

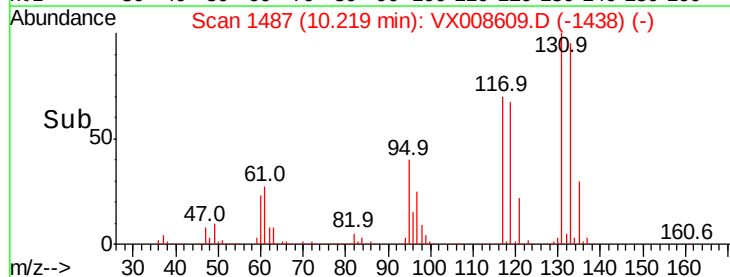
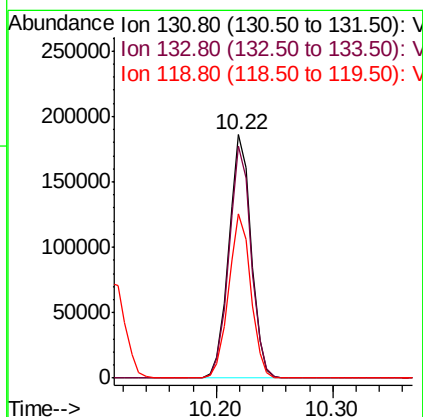
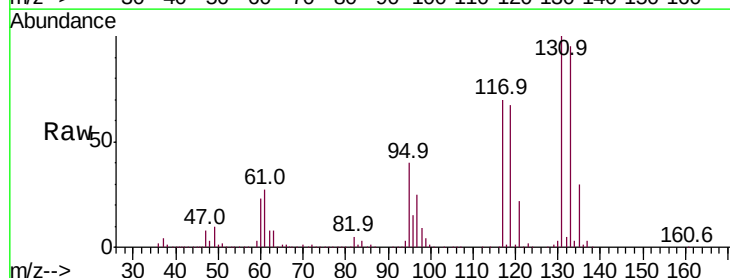
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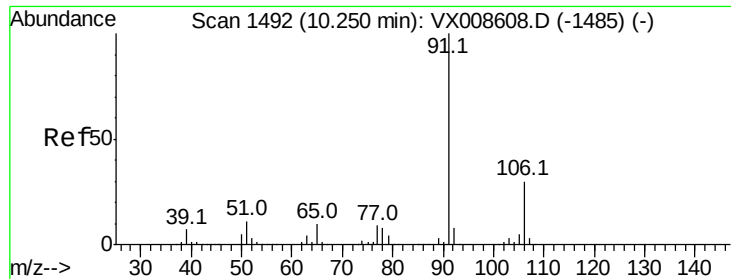
MMDadoda
4/4/2019 3:38:31 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 100.644 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX008609.D
Acq: 03 Apr 2019 11:06

Tgt Ion:131 Resp: 247347
Ion Ratio Lower Upper
131 100
133 95.0 47.0 141.2
119 67.1 33.7 101.0





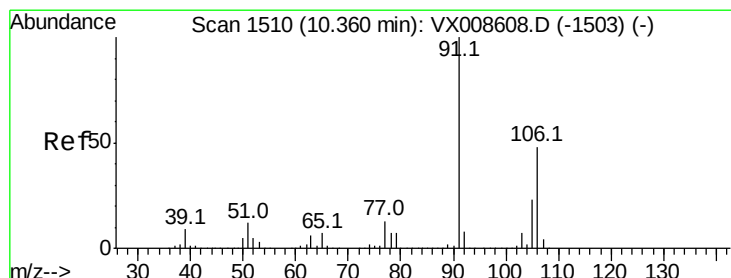
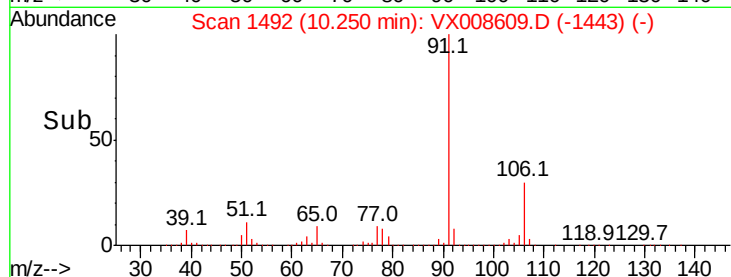
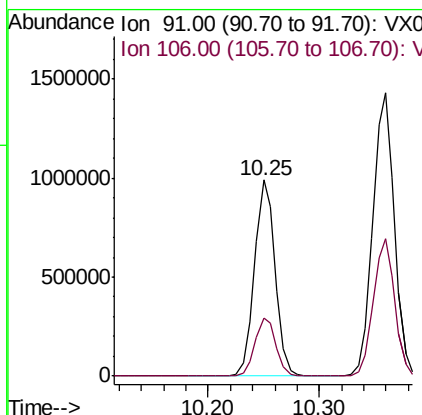
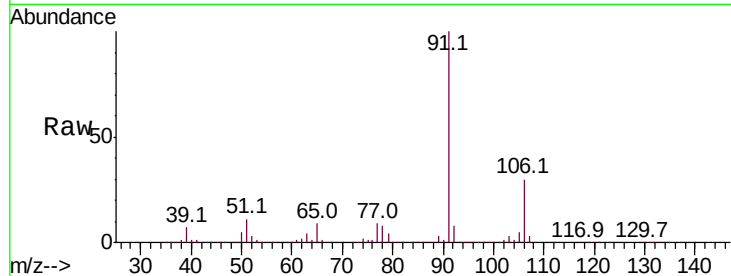
#67
Ethyl Benzene
Concen: 97.806 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX008609.D
Acq: 03 Apr 2019 11:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 1277626
Ion Ratio Lower Upper
91 100
106 30.0 23.7 35.5

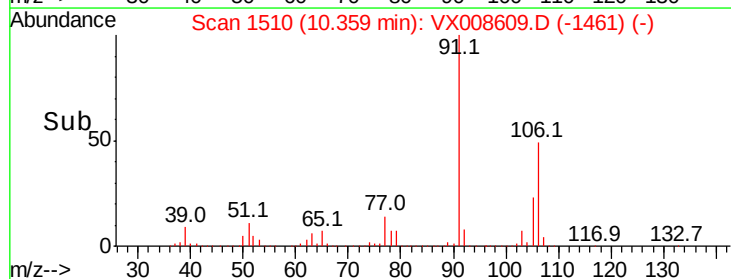
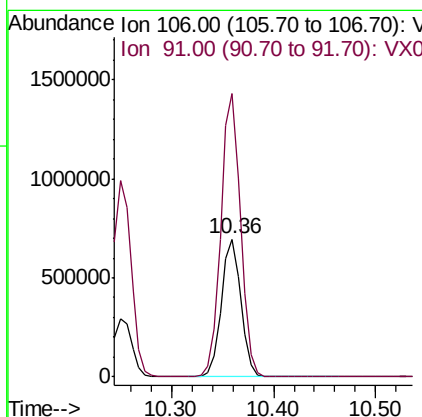
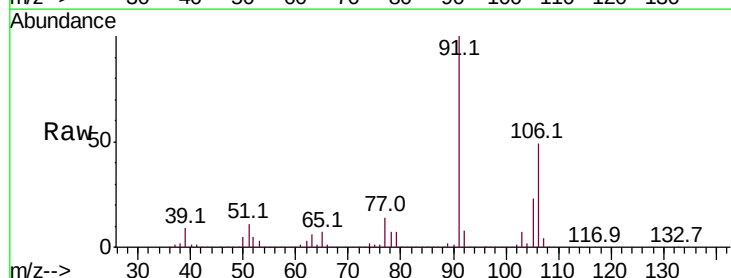
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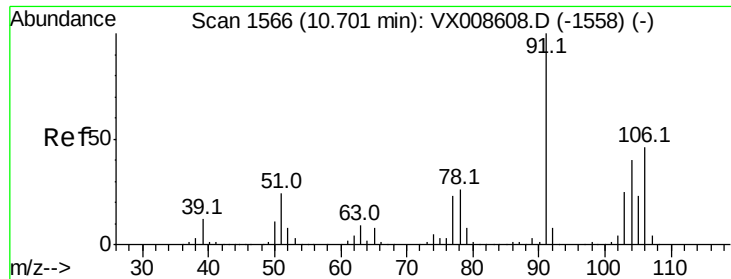
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#68
m/p-Xylenes
Concen: 197.952 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX008609.D
Acq: 03 Apr 2019 11:06

Tgt Ion: 106 Resp: 929740
Ion Ratio Lower Upper
106 100
91 207.2 168.5 252.7





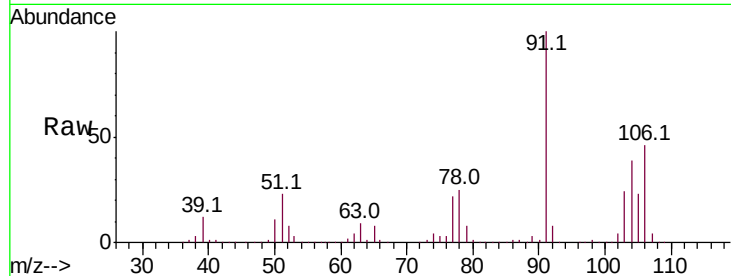
#69
o-Xylene
Concen: 97.206 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX008609.D
Acq: 03 Apr 2019 11:06

Instrument :
MSVOA_X
ClientSampled :
VSTDIC100

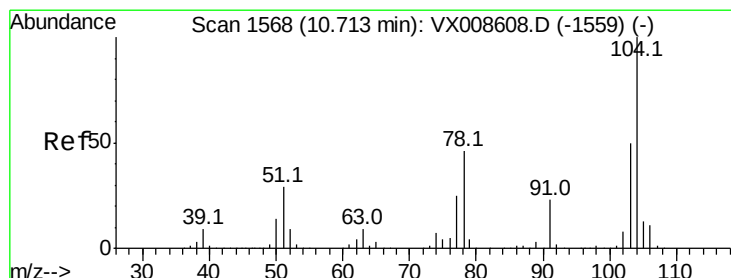
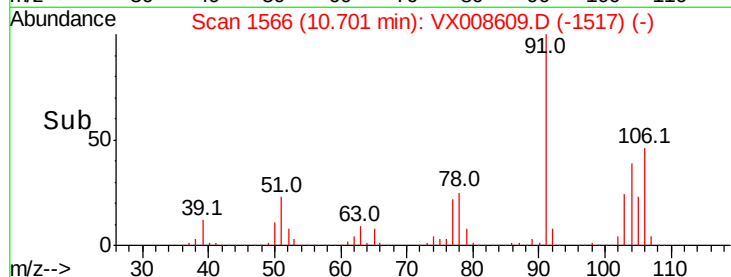
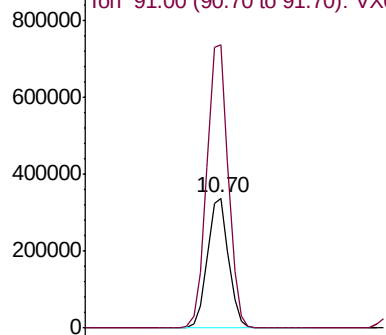
Tot Ion:106 Resp: 442454
Ion Ratio Lower Upper
106 100
91 221.7 111.5 334.4

Manual Integrations
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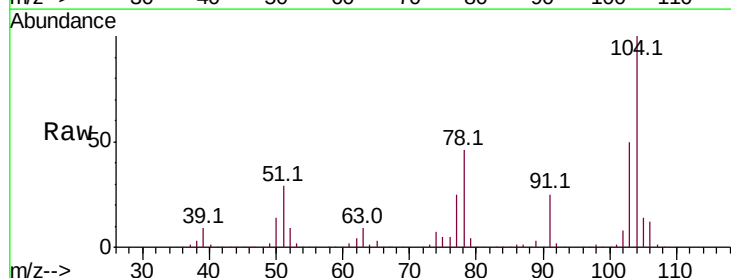


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

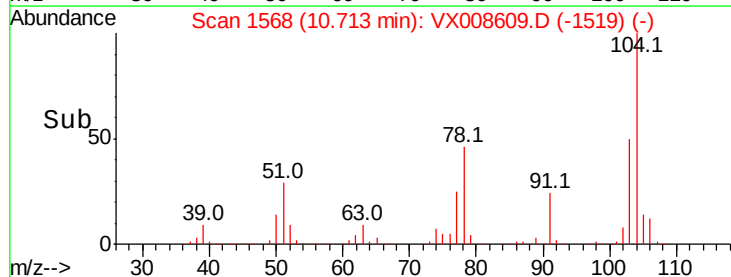
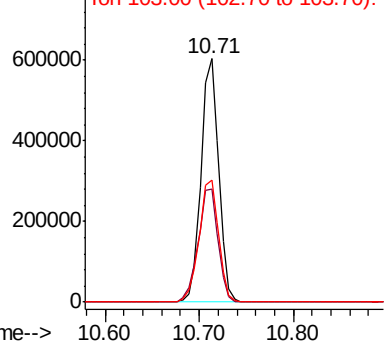


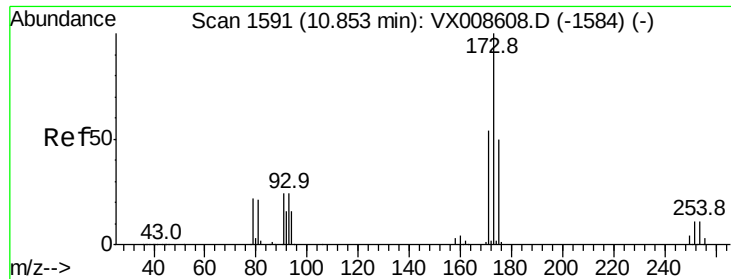
#70
Styrene
Concen: 99.921 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX008609.D
Acq: 03 Apr 2019 11:06

Tgt Ion:104 Resp: 783984
Ion Ratio Lower Upper
104 100
78 52.6 42.3 63.5
103 55.3 44.4 66.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 107.434 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.01 min

Lab File: VX008609.D

Acq: 03 Apr 2019 11:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:173 Resp: 201656

Ion Ratio Lower Upper

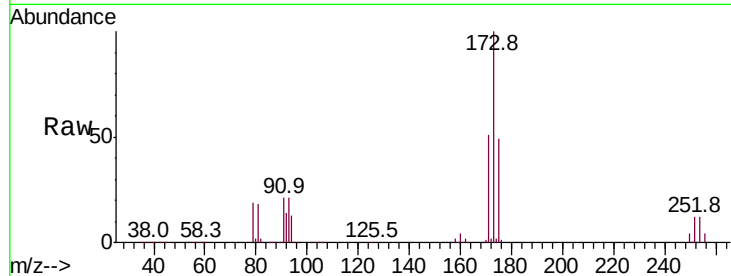
173 100

175 48.8 24.9 74.6

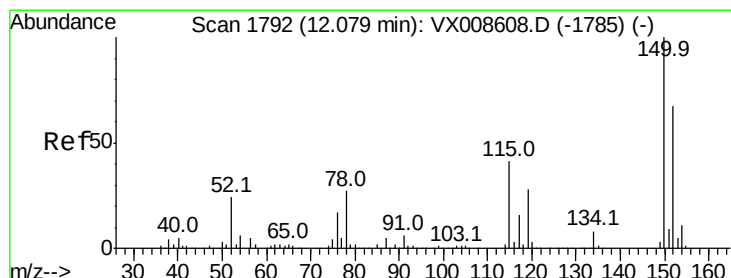
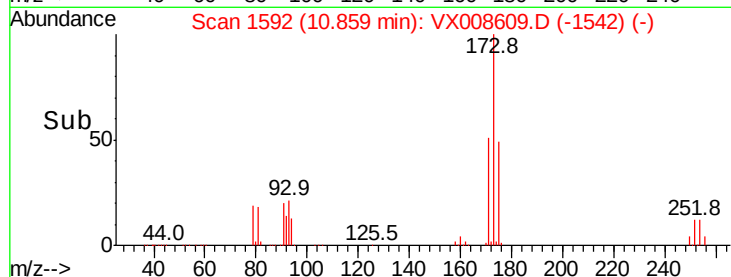
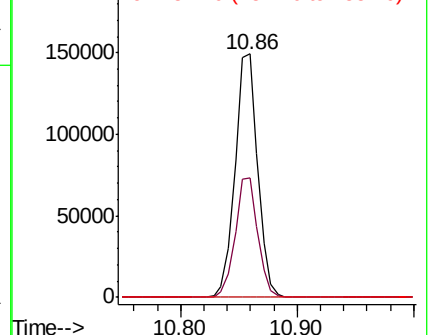
254 0.1 0.1 0.1#

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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX008609.D

Acq: 03 Apr 2019 11:06

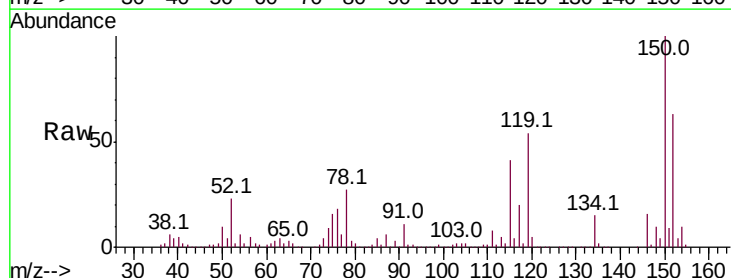
Tgt Ion:152 Resp: 149608

Ion Ratio Lower Upper

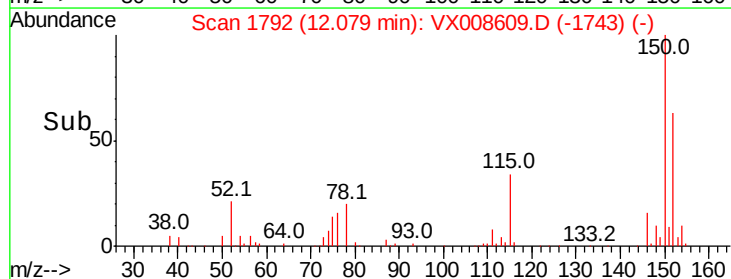
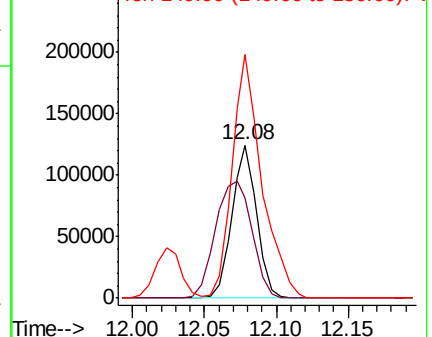
152 100

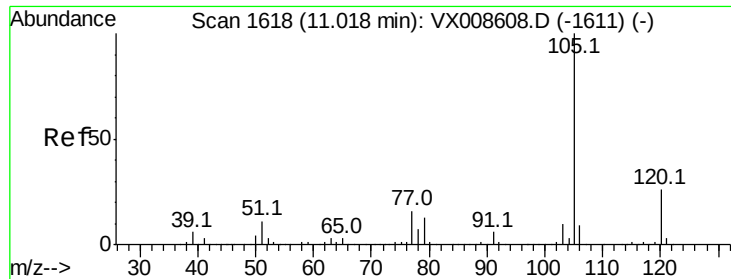
115 112.2 43.5 130.5

150 191.0 0.0 348.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





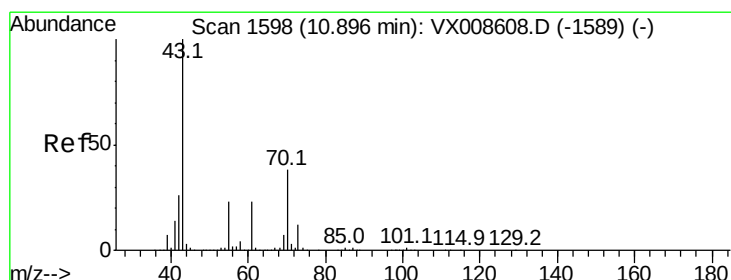
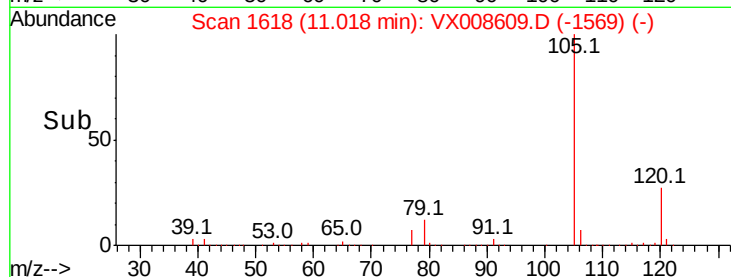
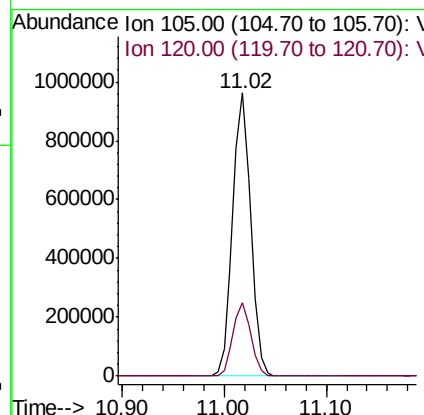
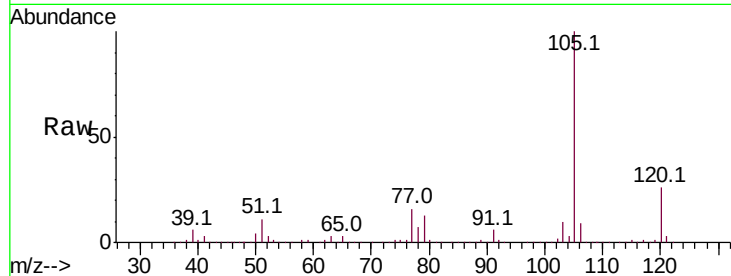
#73
Isopropylbenzene
Concen: 94.812 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX008609.D
Acq: 03 Apr 2019 11:06

Instrument :
MSVOA_X
ClientSampled :
VSTDIC100

Tot Ion:105 Resp: 1175520
Ion Ratio Lower Upper
105 100
120 25.7 12.9 38.6

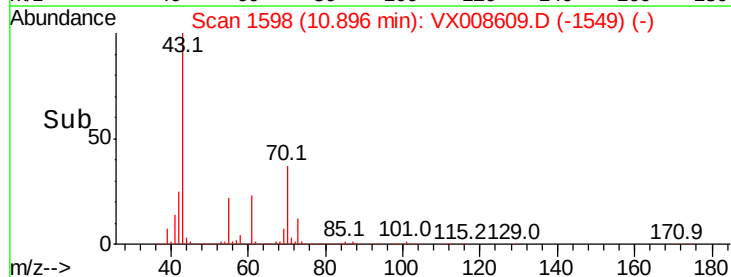
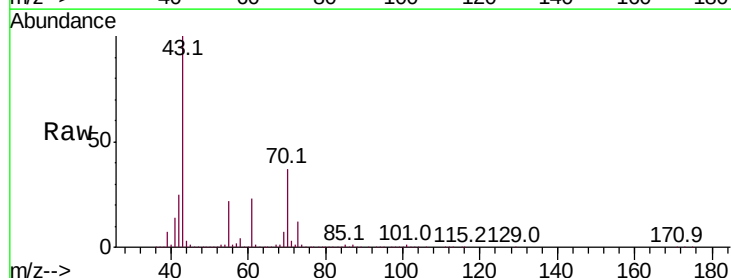
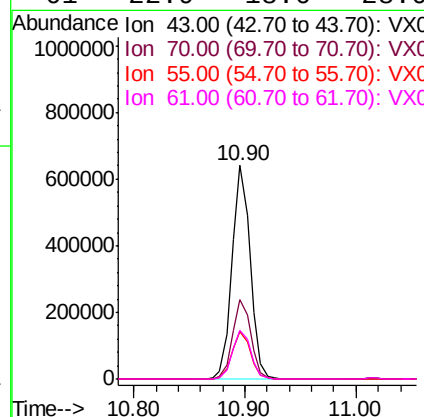
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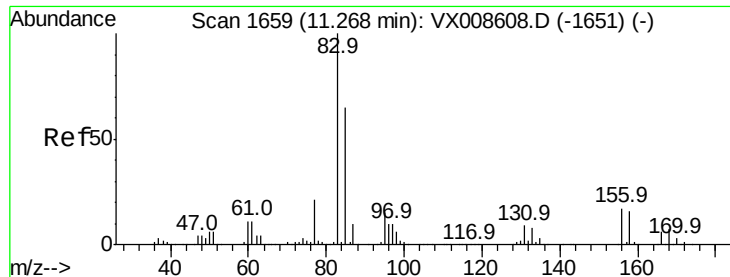
MMDadoda
4/4/2019 3:38:31 PM



#74
N-ethyl acetate
Concen: 99.029 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VX008609.D
Acq: 03 Apr 2019 11:06

Tgt Ion: 43 Resp: 722369
Ion Ratio Lower Upper
43 100
70 37.5 30.2 45.4
55 22.4 18.2 27.4
61 22.9 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 93.444 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX008609.D

Acq: 03 Apr 2019 11:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 83 Resp: 440620

Ion Ratio Lower Upper

83 100

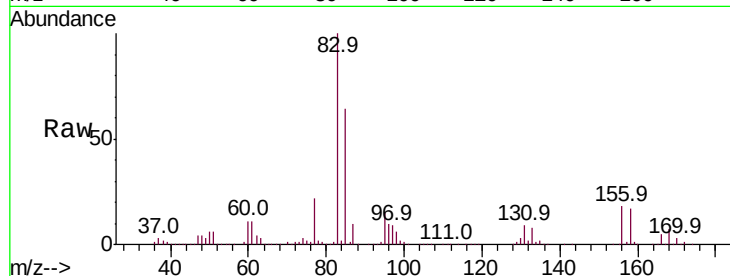
131 9.0 4.5 13.7

85 63.8 32.0 96.2

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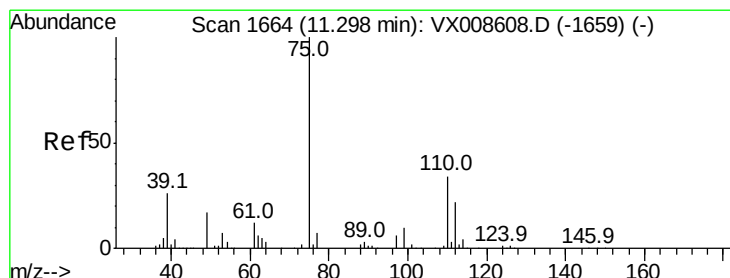
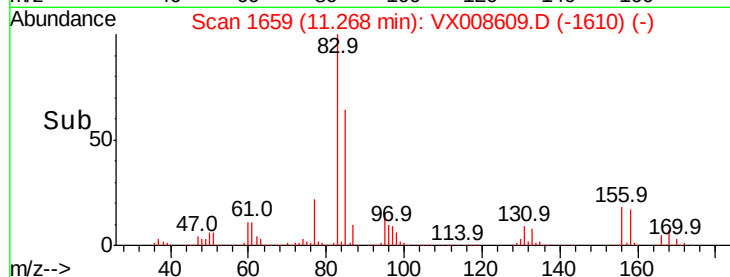
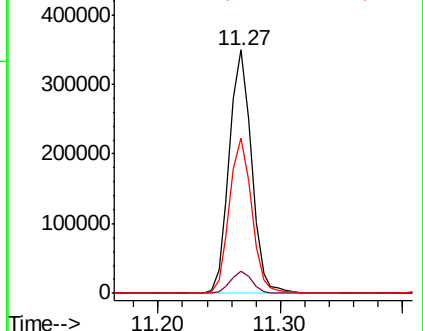
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Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 82.906 ug/l m

RT: 11.29 min Scan# 1663

Delta R.T. -0.01 min

Lab File: VX008609.D

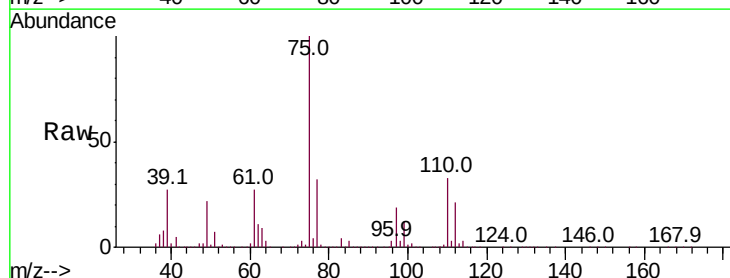
Acq: 03 Apr 2019 11:06

Tgt Ion: 75 Resp: 366680

Ion Ratio Lower Upper

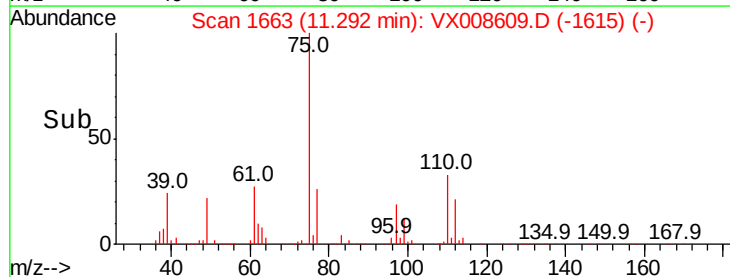
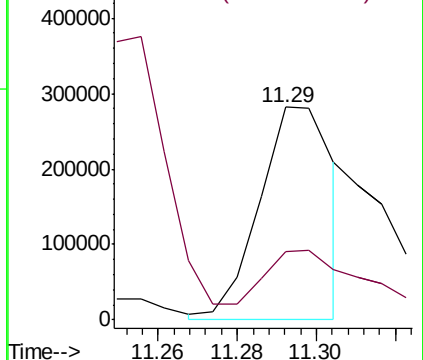
75 100

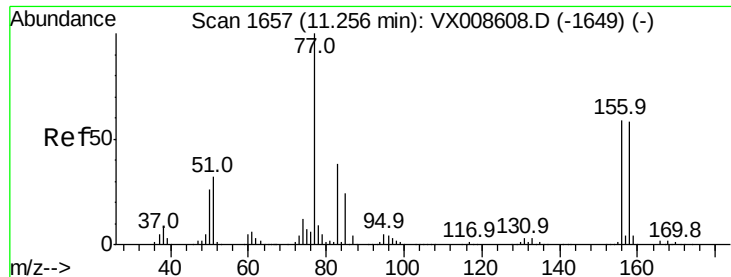
77 44.9 22.3 66.8



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 94.802 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX008609.D

Acq: 03 Apr 2019 11:06

Instrument :

MSVOA_X

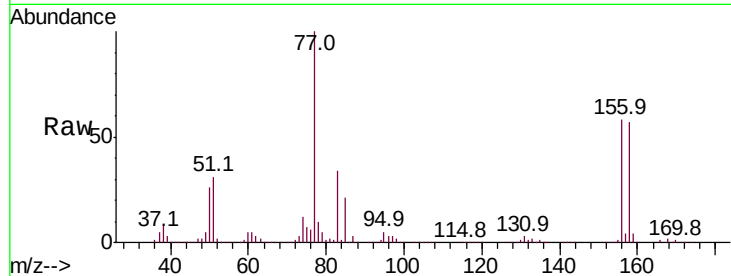
ClientSampleId :

VSTDIC100

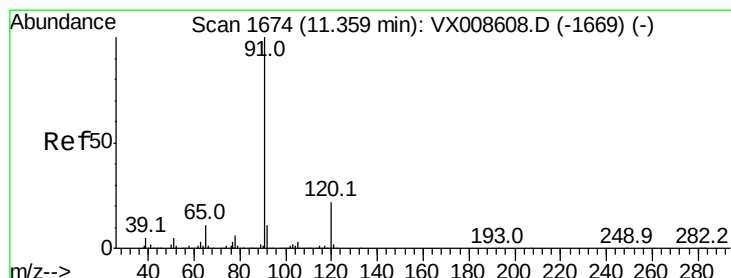
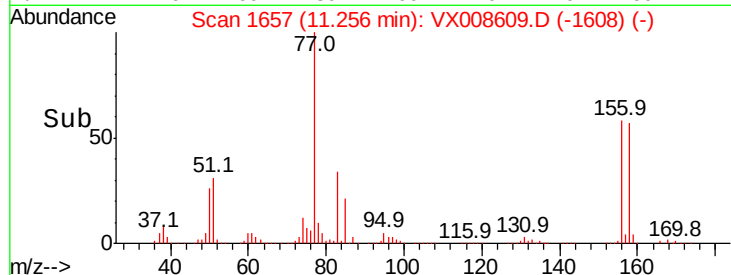
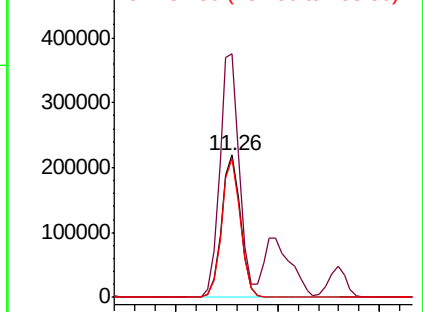
Tot Ion:	156	Resp:	282567
Ion Ratio	Lower	Upper	
156	100		
77	179.5	89.8	269.6
158	96.3	48.6	145.9

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Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VX0
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 97.274 ug/l

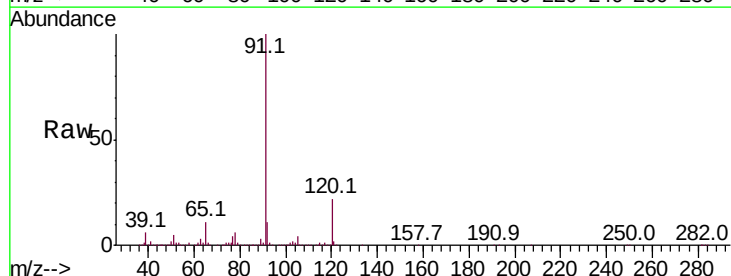
RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

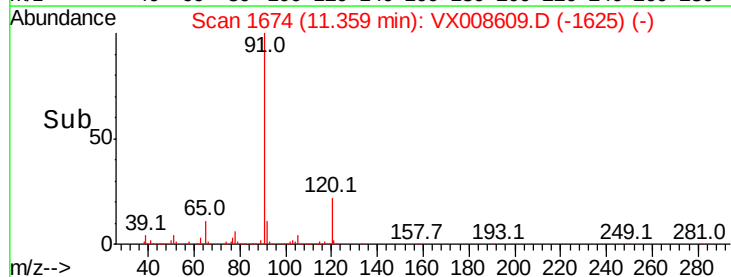
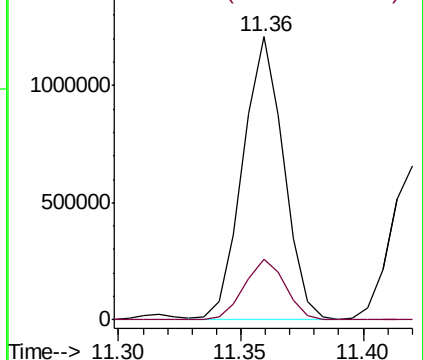
Lab File: VX008609.D

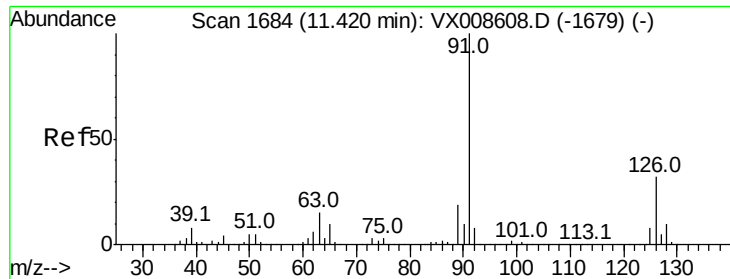
Acq: 03 Apr 2019 11:06

Tgt Ion:	91	Resp:	1404287
Ion Ratio	Lower	Upper	
91	100		
120	21.6	10.9	32.7



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 120.00 (119.70 to 120.70): V





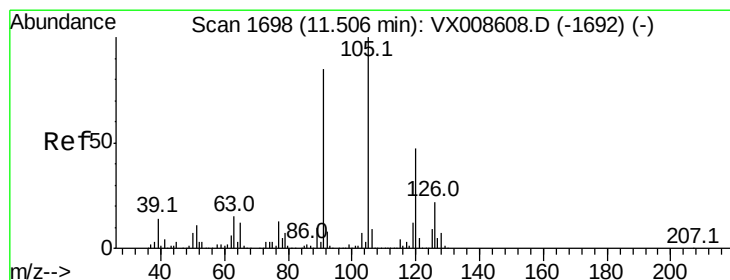
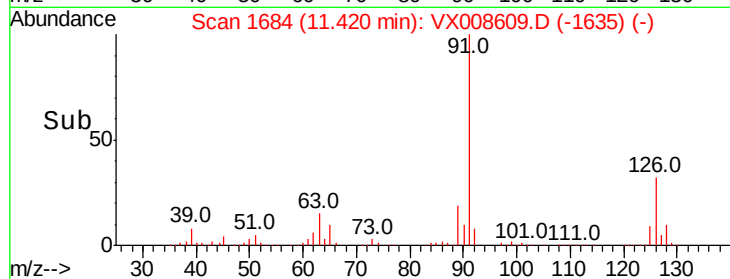
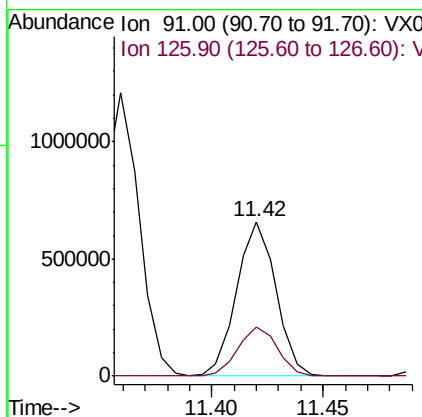
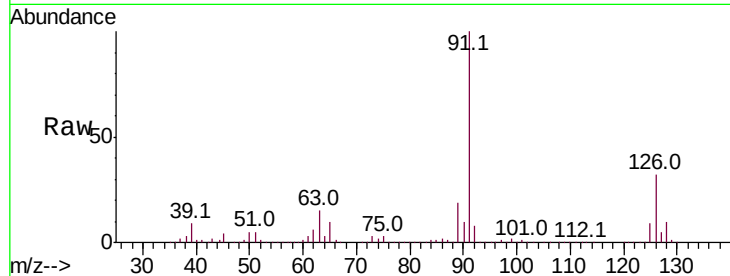
#79
2-Chlorotoluene
Concen: 92.860 ug/l
RT: 11.42 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VX008609.D
Acq: 03 Apr 2019 11:06

Instrument :
MSVOA_X
ClientSampled :
VSTDIC100

Tot Ion: 91 Resp: 811245
Ion Ratio Lower Upper
91 100
126 31.9 16.1 48.3

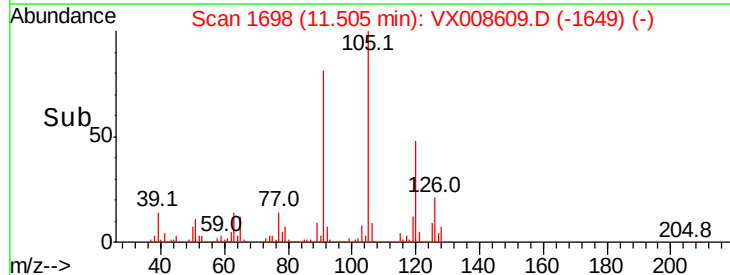
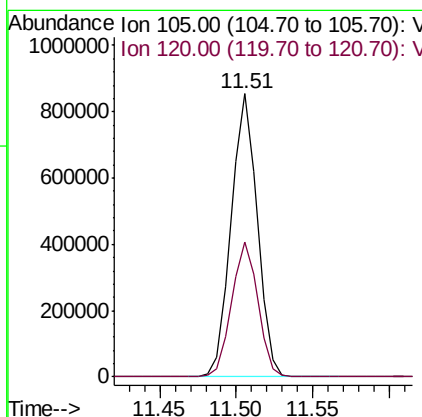
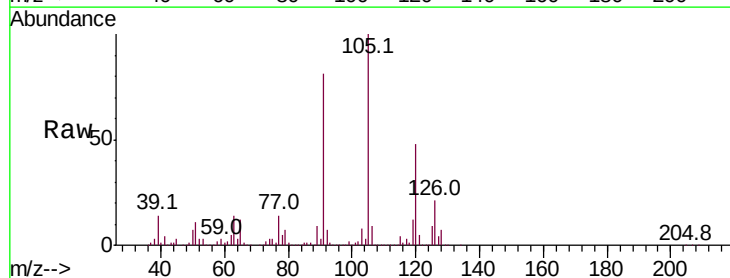
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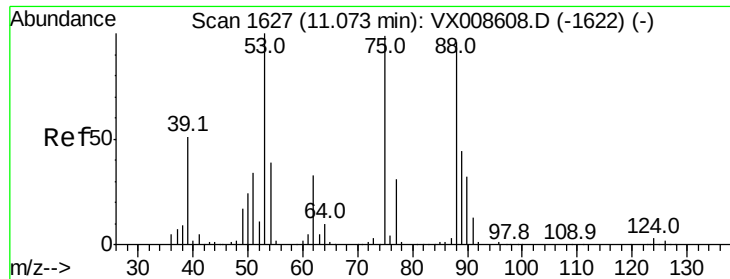
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#80
1,3,5-Trimethylbenzene
Concen: 96.893 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.00 min
Lab File: VX008609.D
Acq: 03 Apr 2019 11:06

Tgt Ion: 105 Resp: 1008409
Ion Ratio Lower Upper
105 100
120 47.8 23.5 70.6





#81

trans-1,4-Dichloro-2-butene

Concen: 109.042 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX008609.D

Acq: 03 Apr 2019 11:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 75 Resp: 162576

Ion Ratio Lower Upper

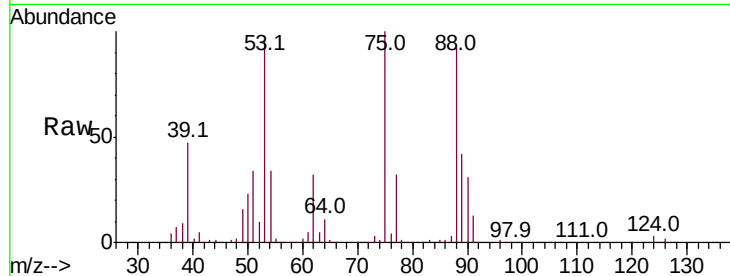
75 100

53 96.6 81.3 121.9

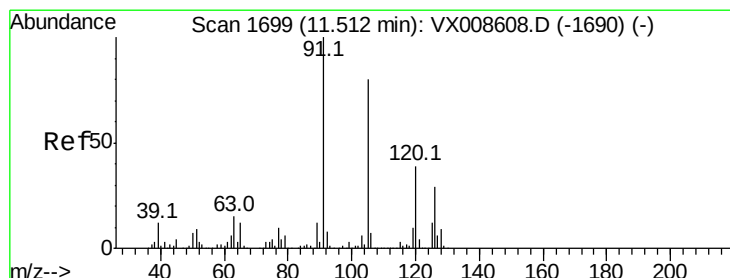
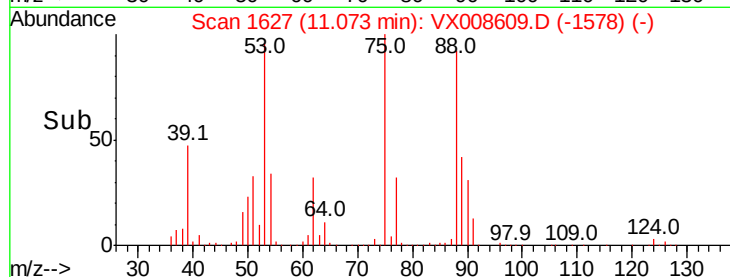
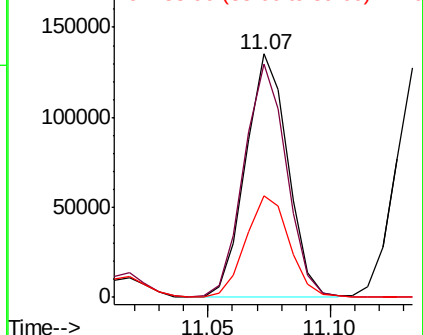
89 43.5 35.6 53.4

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Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 95.224 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX008609.D

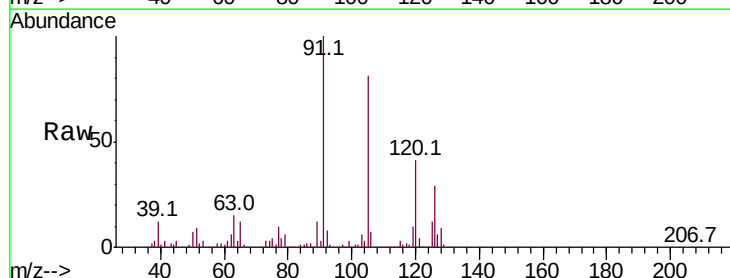
Acq: 03 Apr 2019 11:06

Tgt Ion: 91 Resp: 962954

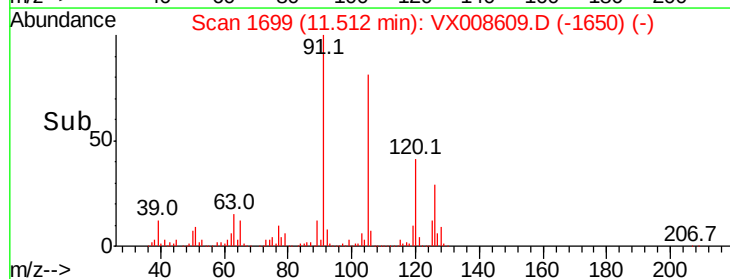
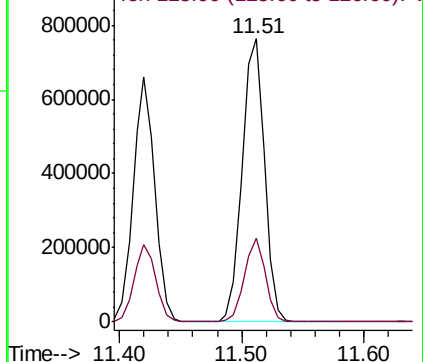
Ion Ratio Lower Upper

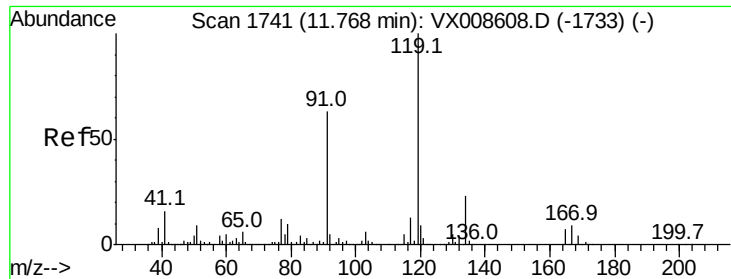
91 100

126 27.9 13.9 41.6



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 125.90 (125.60 to 126.60): V





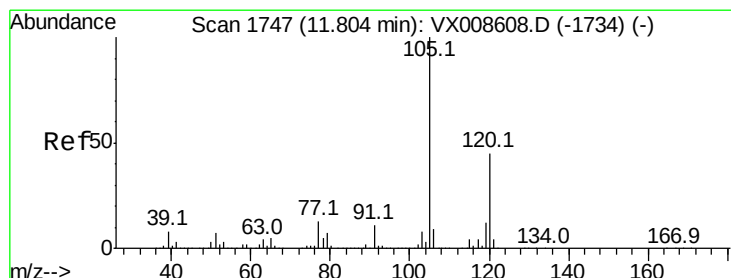
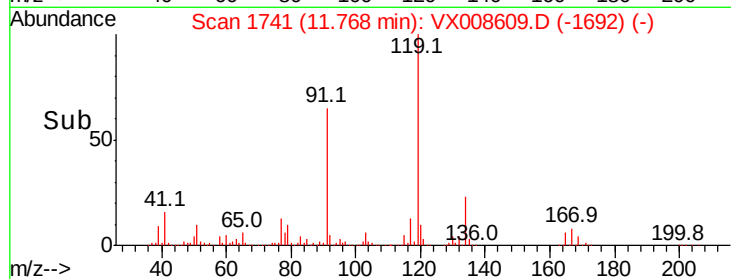
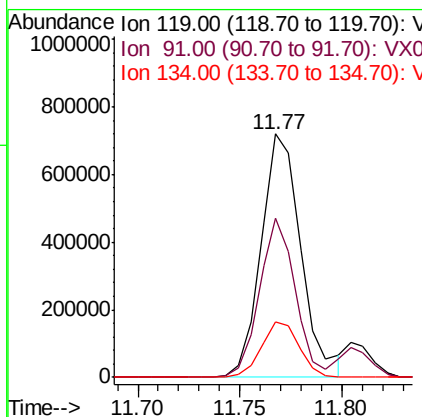
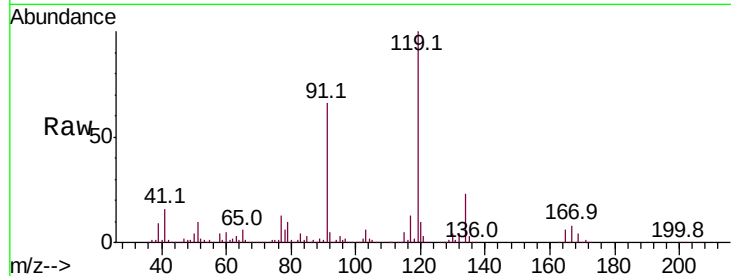
#83
 tert-Butylbenzene
 Concen: 98.153 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX008609.D
 Acq: 03 Apr 2019 11:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
119	100	982783		
91	58.4		30.0	90.1
134	21.6		11.1	33.3

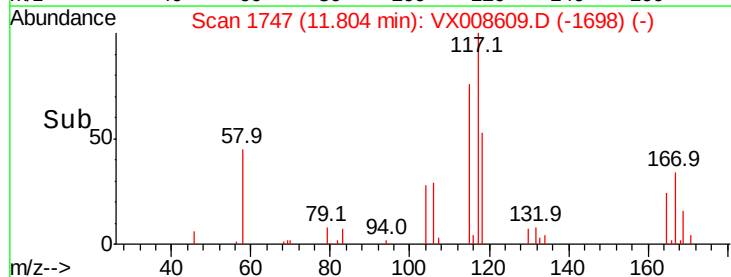
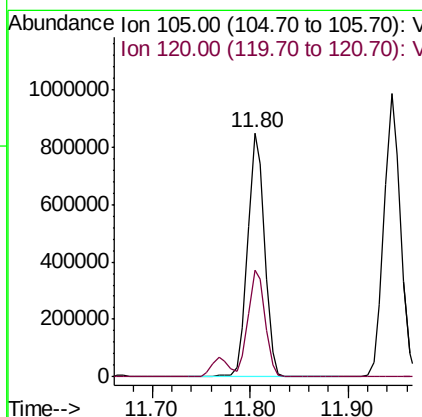
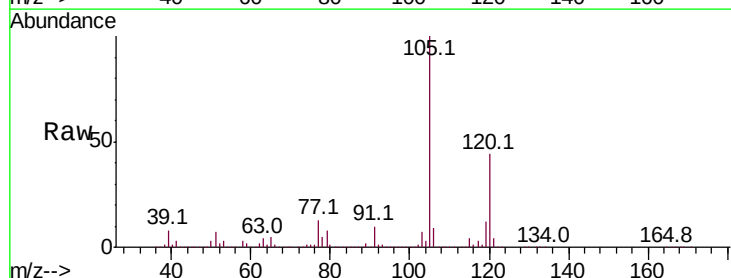
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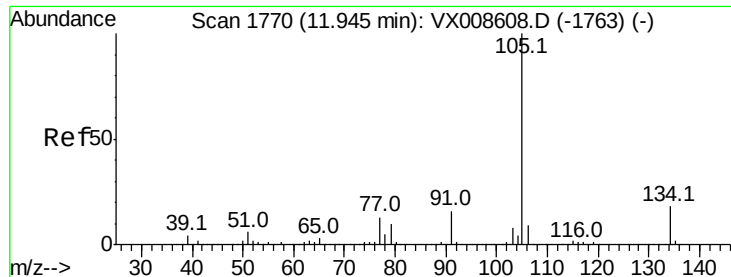
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#84
 1,2,4-Trimethylbenzene
 Concen: 96.340 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX008609.D
 Acq: 03 Apr 2019 11:06

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	1015257		
120	43.7		21.8	65.3





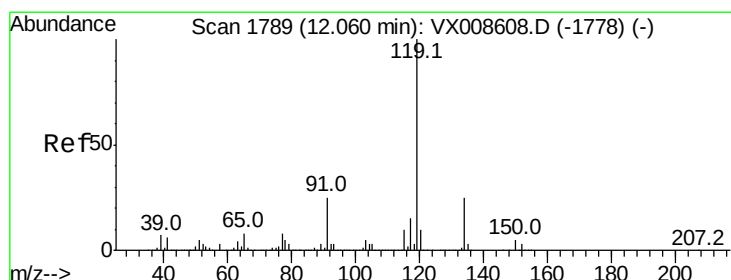
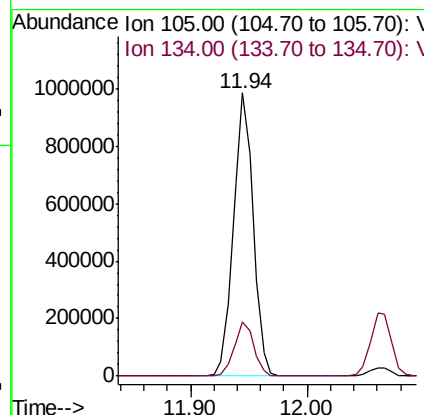
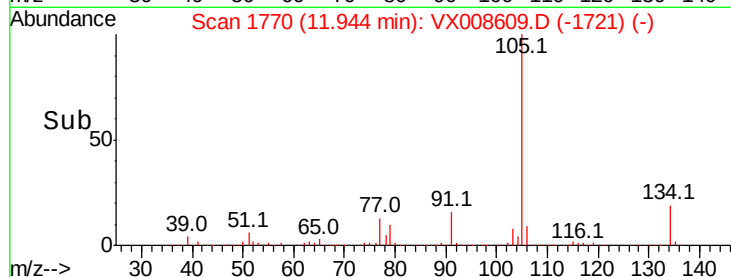
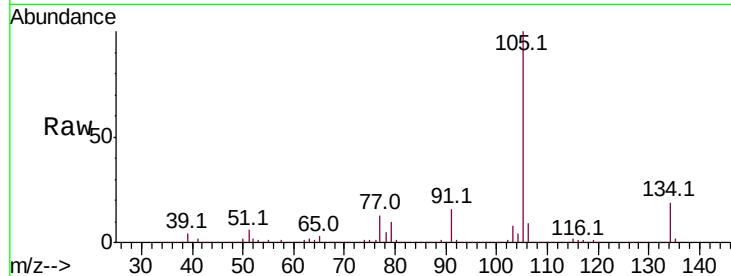
#85
 sec-Butylbenzene
 Concen: 97.225 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX008609.D
 Acq: 03 Apr 2019 11:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion:105 Resp: 1156336
 Ion Ratio Lower Upper
 105 100
 134 19.2 9.4 28.2

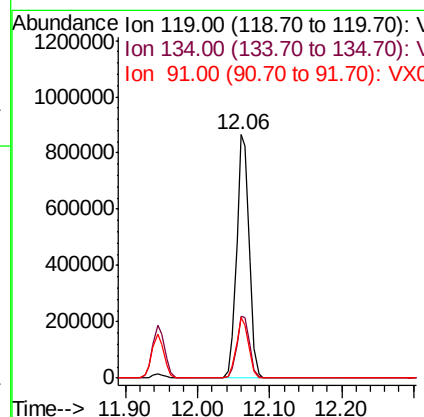
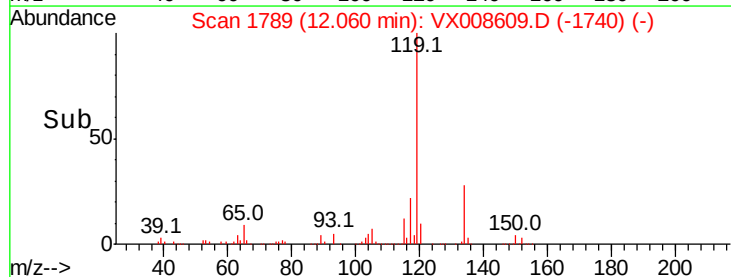
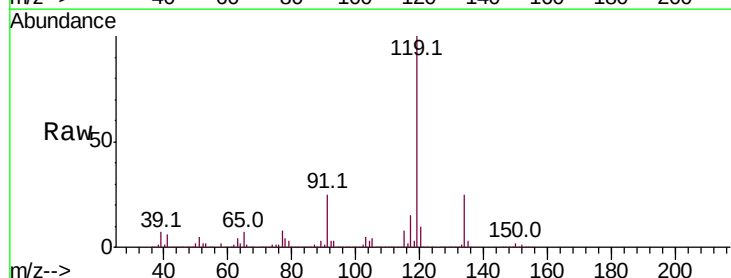
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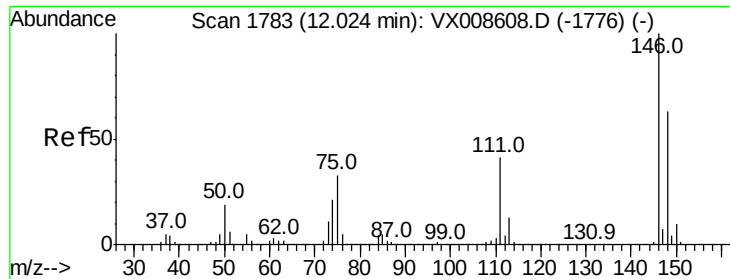
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#86
 p-Isopropyltoluene
 Concen: 99.072 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. -0.00 min
 Lab File: VX008609.D
 Acq: 03 Apr 2019 11:06

Tgt Ion:119 Resp: 1057574
 Ion Ratio Lower Upper
 119 100
 134 25.7 12.8 38.4
 91 24.2 12.2 36.6





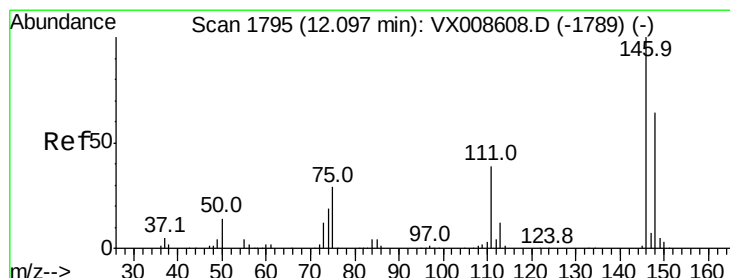
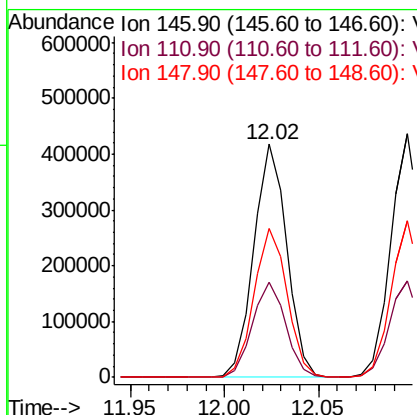
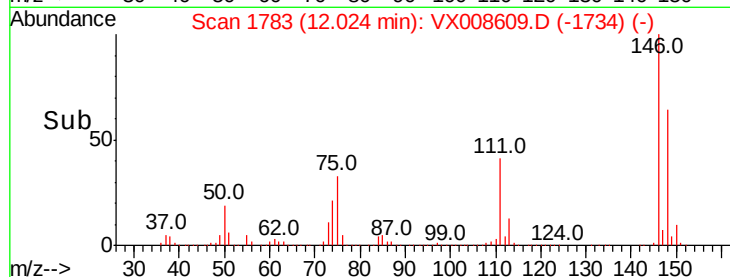
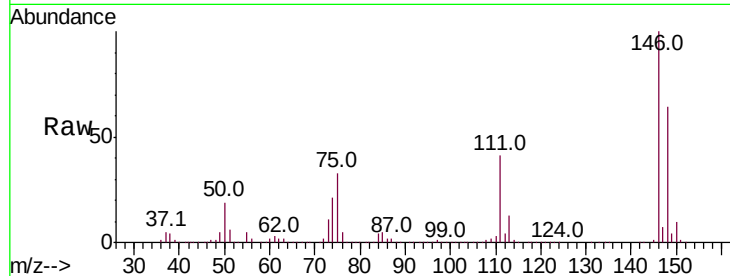
#87
 1,3-Dichlorobenzene
 Concen: 94.974 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX008609.D
 Acq: 03 Apr 2019 11:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.5	61.5
148	64.1	31.6	94.7

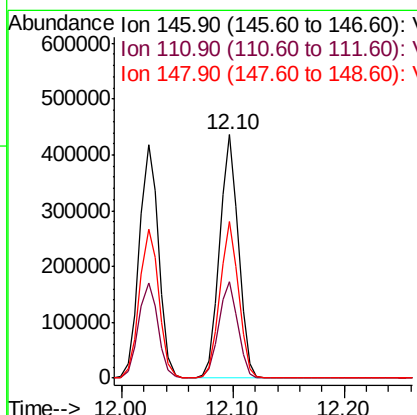
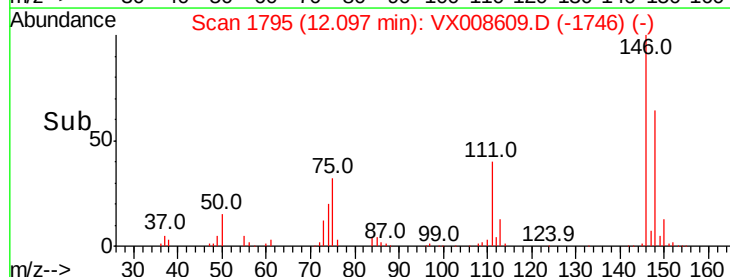
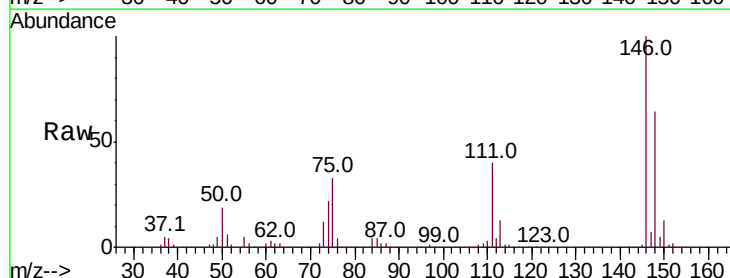
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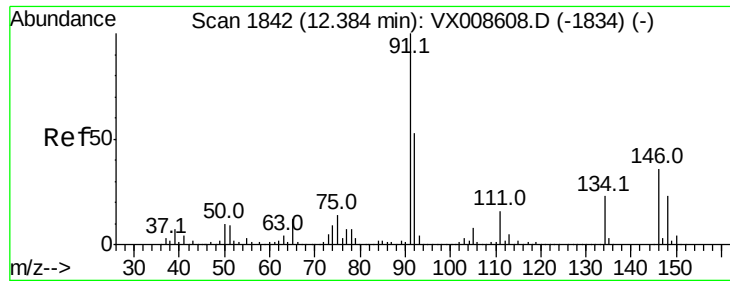
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#88
 1,4-Dichlorobenzene
 Concen: 94.497 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX008609.D
 Acq: 03 Apr 2019 11:06

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.2	60.6
148	64.0	32.0	96.0





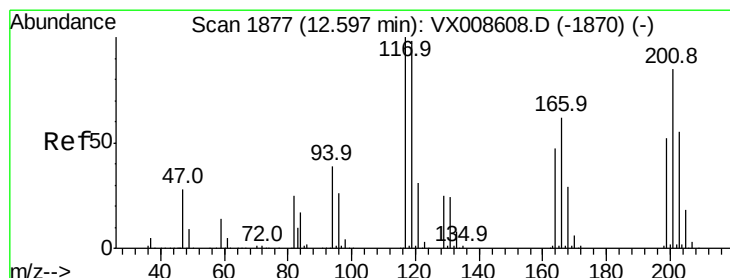
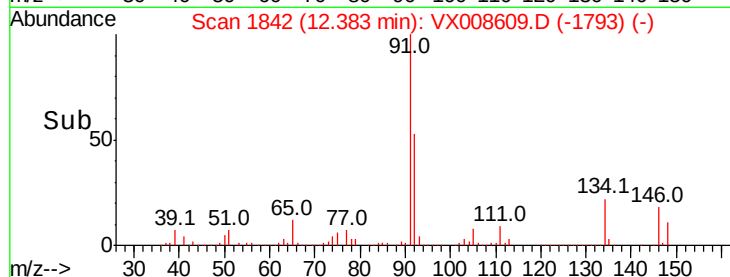
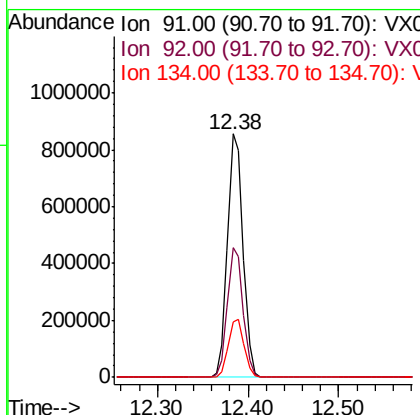
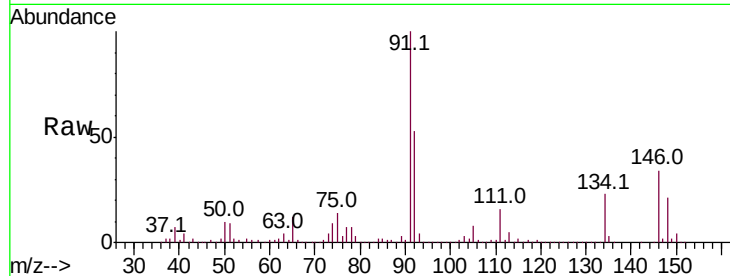
#89
n-Butylbenzene
Concen: 101.596 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX008609.D
Acq: 03 Apr 2019 11:06

Instrument :
MSVOA_X
ClientSampled :
VSTDIC100

Tot Ion: 91 Resp: 1017081
Ion Ratio Lower Upper
91 100
92 53.5 26.4 79.2
134 24.3 12.0 36.0

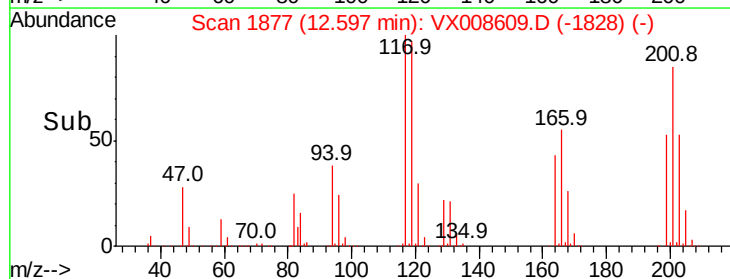
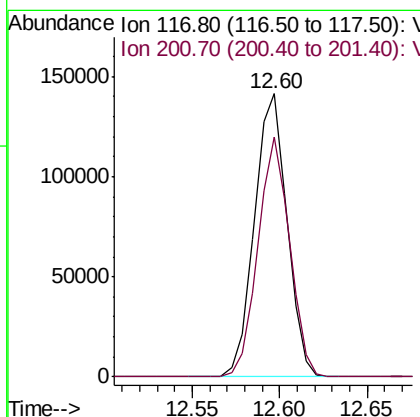
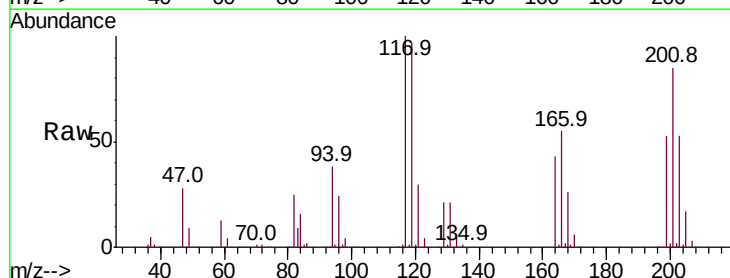
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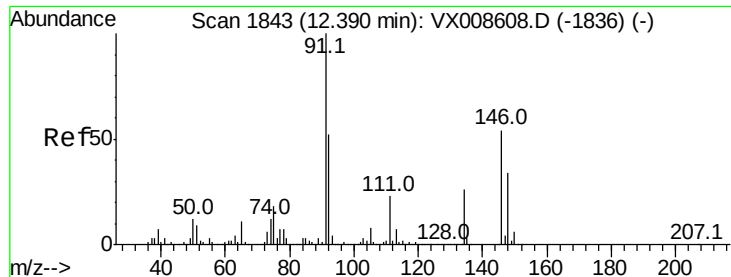
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#90
Hexachloroethane
Concen: 103.457 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX008609.D
Acq: 03 Apr 2019 11:06

Tgt Ion: 117 Resp: 183173
Ion Ratio Lower Upper
117 100
201 82.3 40.6 122.0





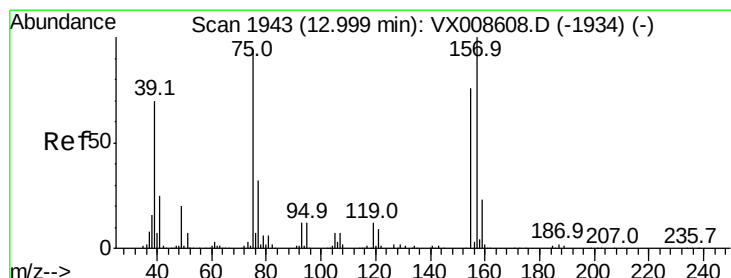
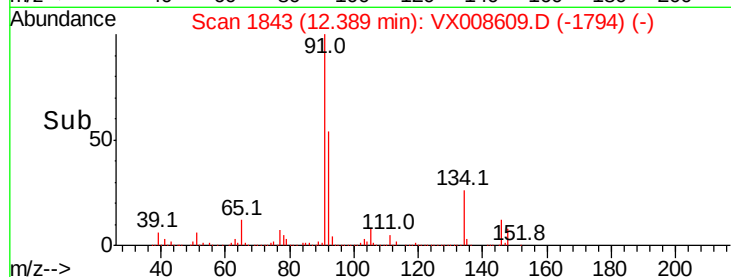
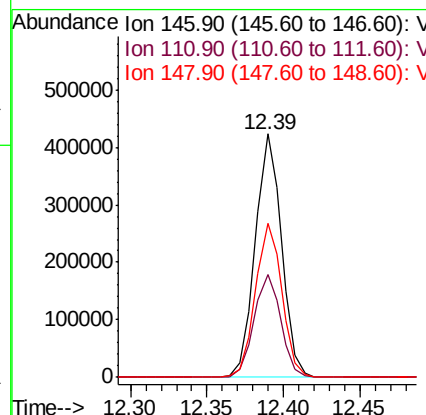
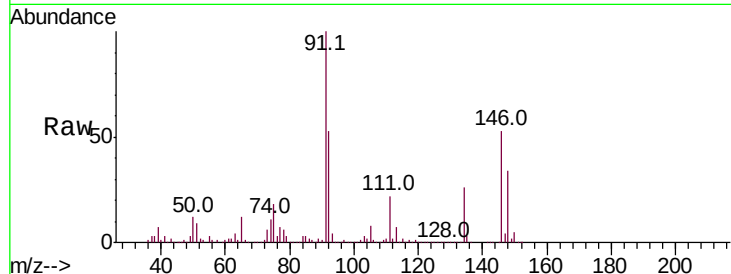
#91
 1,2-Dichlorobenzene
 Concen: 95.305 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX008609.D
 Acq: 03 Apr 2019 11:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.3	63.9
148	63.9	31.7	95.1

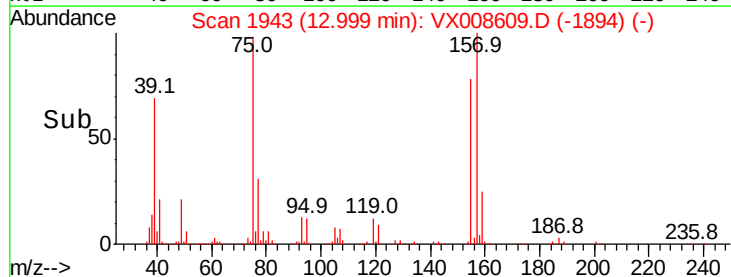
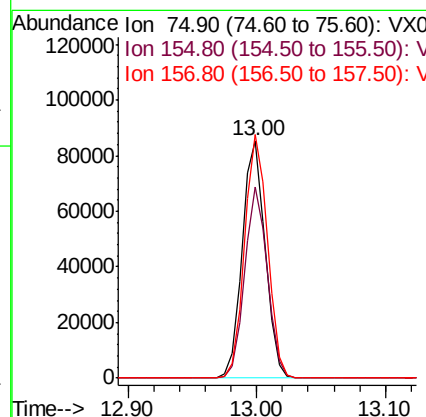
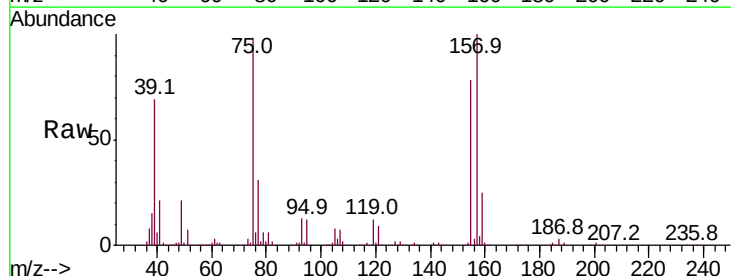
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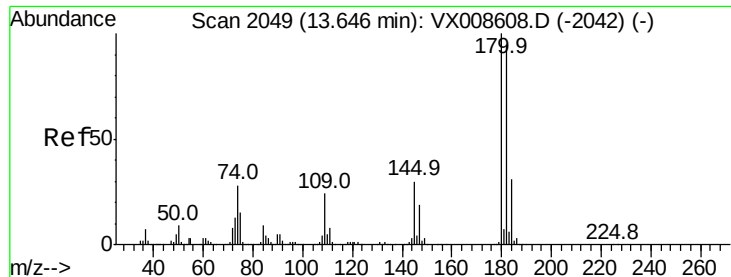
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 101.608 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX008609.D
 Acq: 03 Apr 2019 11:06

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.8	39.9	119.6
157	101.8	51.5	154.7





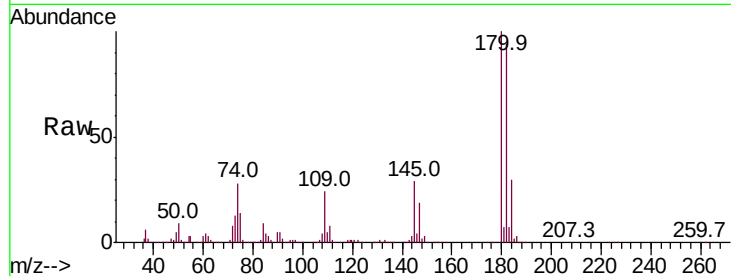
#93
 1,2,4-Trichlorobenzene
 Concen: 99.958 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX008609.D
 Acq: 03 Apr 2019 11:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

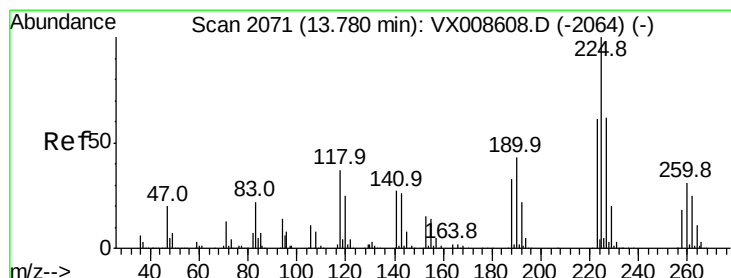
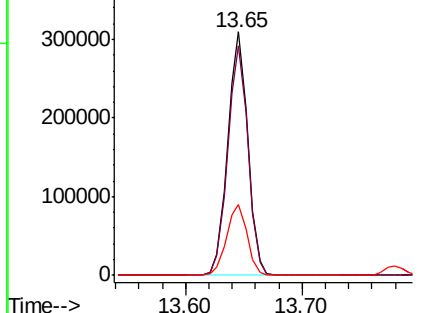
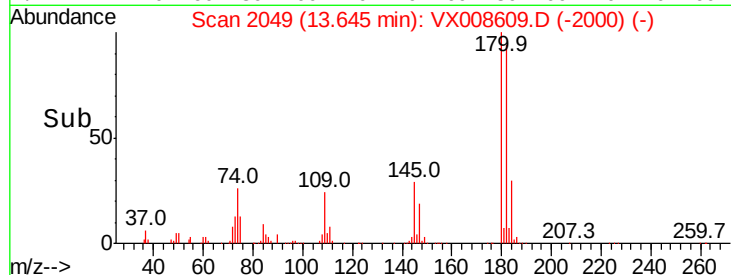
Tot Ion:	180	Resp:	368207
Ion Ratio	Lower	Upper	
180	100		
182	95.1	47.2	141.6
145	29.8	15.3	45.9

Manual Integrations
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MMDadoda
 4/4/2019 3:38:31 PM

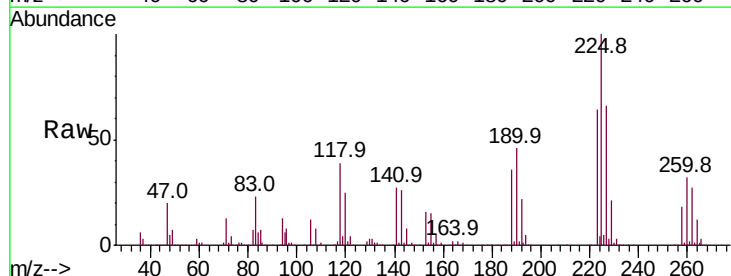


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

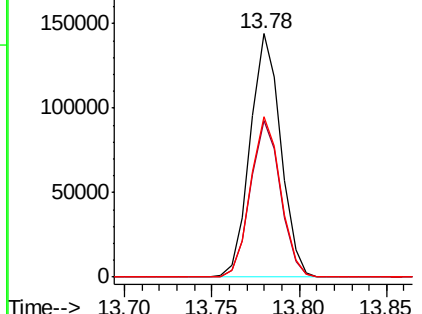
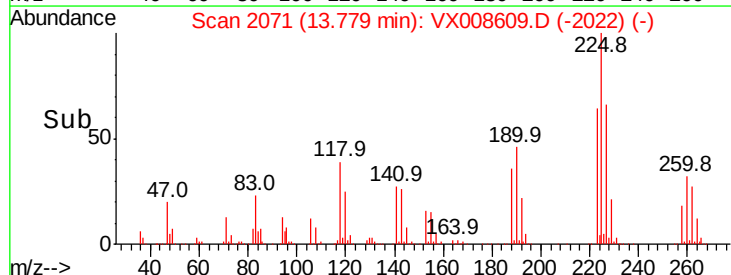


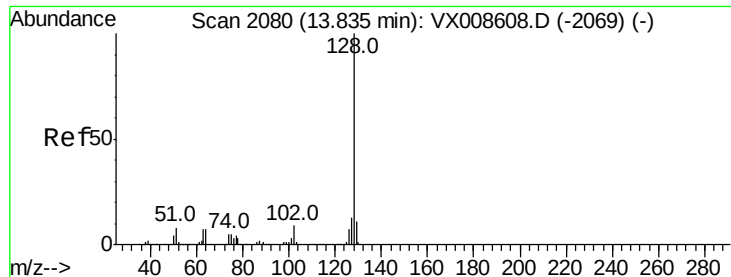
#94
 Hexachlorobutadiene
 Concen: 98.922 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX008609.D
 Acq: 03 Apr 2019 11:06

Tgt Ion:	225	Resp:	174756
Ion Ratio	Lower	Upper	
225	100		
223	63.3	31.2	93.6
227	64.9	31.9	95.5



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





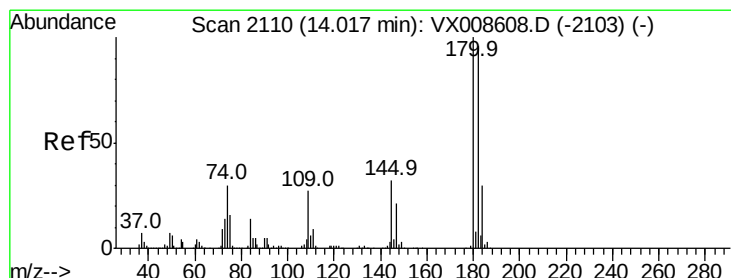
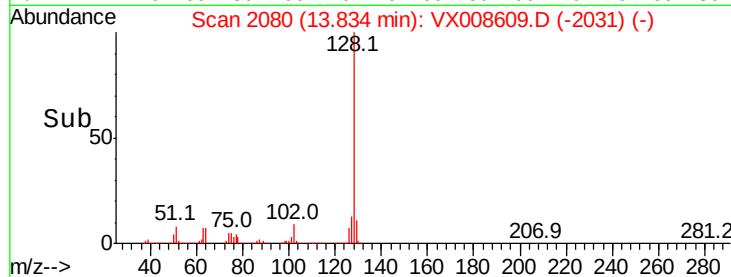
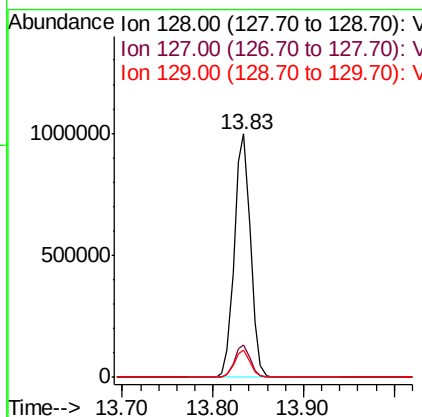
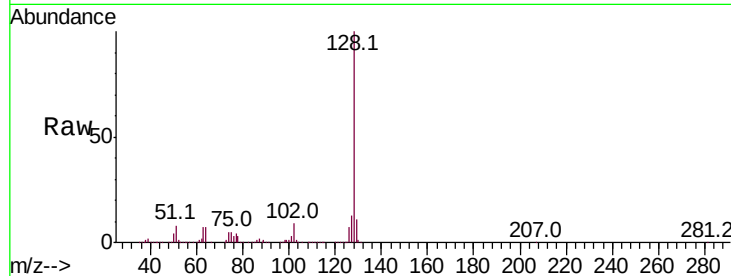
#95
Naphthalene
Concen: 99.584 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX008609.D
Acq: 03 Apr 2019 11:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

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

Manual Integrations
APPROVED

MMDadoda
4/4/2019 3:38:31 PM



#96
1,2,3-Trichlorobenzene
Concen: 98.099 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX008609.D
Acq: 03 Apr 2019 11:06

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	48.1	144.3
145	31.8	16.3	48.8

