

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051719\
 Data File : VL033712.D
 Acq On : 17 May 2019 12:02
 Operator : SY/AP
 Sample : K2893-02
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-02

Manual Integrations
 APPROVED

MMDadoda
 5/20/2019 12:05:48 PM

Quant Time: May 18 01:30:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri May 18 2019
 QLast Update : Fri May 17 08:15:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	1001755	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2516254	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2305794	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	2064171	11.04	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	110.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.07	85	52810	0.250	ppbv	93
4) Chloromethane	3.17	50	21135	0.322	ppbv	92
6) Bromomethane	3.51	94	5456m	0.134	ppbv	
9) Propene	3.05	41	1735558m	35.560	ppbv	
10) Heptane	8.25	43	738656	5.344	ppbv	97
11) Trichlorofluoromethane	4.00	101	94257	0.468	ppbv	84
13) Ethanol	3.66	45	872988	55.340	ppbv	99
15) Acetone	3.89	43	4359421	31.365	ppbv	94
17) tert-Butyl alcohol	4.37	59	113529	1.010	ppbv #	72
20) Methylene Chloride	4.41	84	183520	3.429	ppbv	97
26) Hexane	5.78	57	1033365	9.845	ppbv #	49
27) Carbon Disulfide	4.62	76	688486	4.781	ppbv	98
29) Chloroform	5.85	83	33022	0.171	ppbv	92
30) Cyclohexane	7.25	84	243894	2.764	ppbv	89
32) 1,1,1-Trichloroethane	6.62	97	13336m	0.069	ppbv	
34) 2-Butanone	5.33	43	460260	2.951	ppbv	96
35) Carbon Tetrachloride	7.14	117	18789	0.093	ppbv	87
36) Benzene	7.00	78	816920	3.569	ppbv	97
37) 1,2-Dichloroethane	6.41	62	20396	0.138	ppbv #	83
38) Trichloroethene	7.96	130	11731	0.138	ppbv #	77
41) Tetrahydrofuran	6.15	42	217218	2.486	ppbv	98
44) 2,2,4-Trimethylpentane	7.99	57	78163m	0.202	ppbv	
50) 4-Methyl-2-Pentanone	8.88	43	97534	0.407	ppbv	96
52) Tetrachloroethene	11.37	164	35128m	0.437	ppbv	
53) Toluene	9.94	91	3831064	15.518	ppbv	99
58) Ethyl Benzene	12.86	91	4024384	13.180	ppbv	99
59) m/p-Xylene	13.12	91	9681977	36.273	ppbv	96
60) o-Xylene	13.84	91	2506609	9.316	ppbv	99
61) Styrene	13.68	104	56746	0.313	ppbv	94
62) Isopropylbenzene	14.83	105	81934	0.226	ppbv	97
64) n-propylbenzene	15.73	120	17431m	0.186	ppbv	
65) tert-Butylbenzene	16.91	119	44371m	0.134	ppbv	
69) p-Isopropyltoluene	17.82	119	71555m	0.187	ppbv	
70) n-Butylbenzene	18.71	91	60662m	0.148	ppbv	
72) 4-Ethyltoluene	15.99	105	77379m	0.252	ppbv	
73) 1,3,5-Trimethylbenzene	16.15	105	74143m	0.247	ppbv	
74) 1,2,4-Trimethylbenzene	16.92	105	174805	0.535	ppbv #	82
76) 1,4-Dichlorobenzene	17.30	146	75707	0.398	ppbv #	10
79) Naphthalene	22.41	128	75360m	0.248	ppbv	
80) Naphthalene,2-methyl-	25.11	142	18701	0.162	ppbv	97

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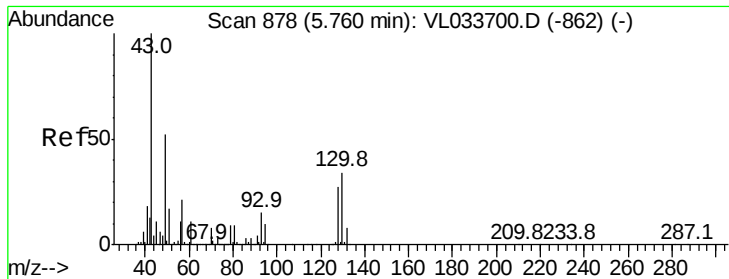
Manual Integrations
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5/20/2019 12:05:48 PM

Quant Time: May 18 01:30:24 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri May 18 01:30:24 2019
QLast Update : Fri May 17 08:15:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 878

Delta R.T. 0.00 min

Lab File: VL033712.D

Acq: 17 May 2019 12:02

Instrument :

MSVOA_L

ClientSampled :

SV-02

Tot Ion: 49 Resp: 1001755

Ion Ratio Lower Upper

49 100

128 50.9 25.2 75.6

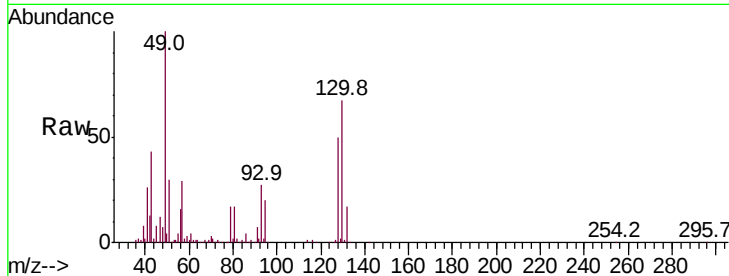
130 64.6 32.5 97.5

Manual Integrations

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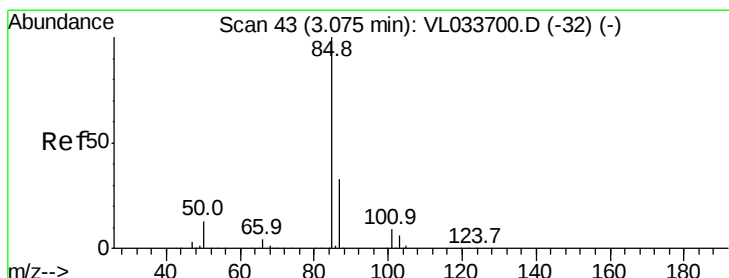
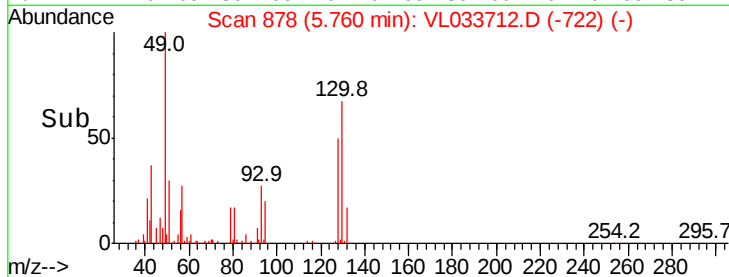
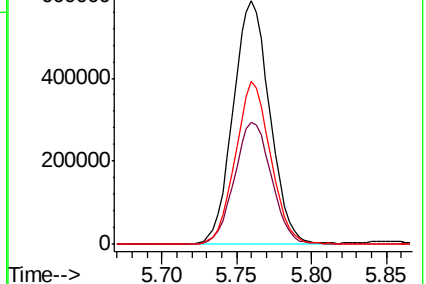
5/20/2019 12:05:48 PM



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 0.250 ppbv

RT: 3.07 min Scan# 43

Delta R.T. 0.00 min

Lab File: VL033712.D

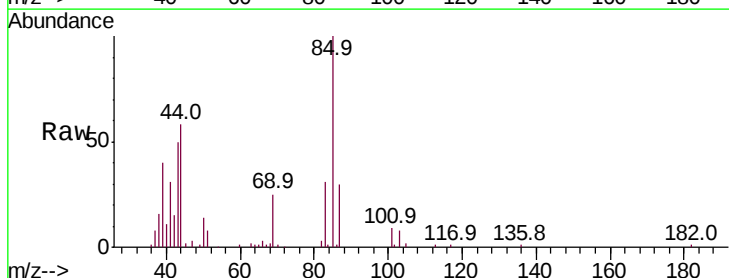
Acq: 17 May 2019 12:02

Tgt Ion: 85 Resp: 52810

Ion Ratio Lower Upper

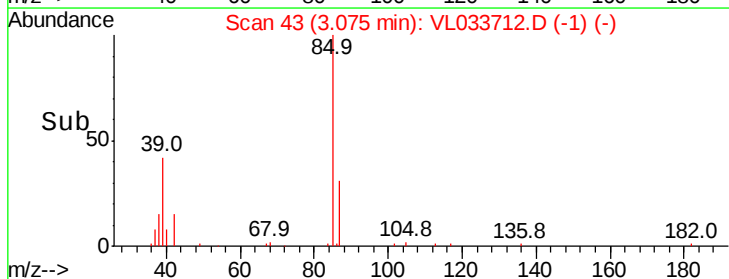
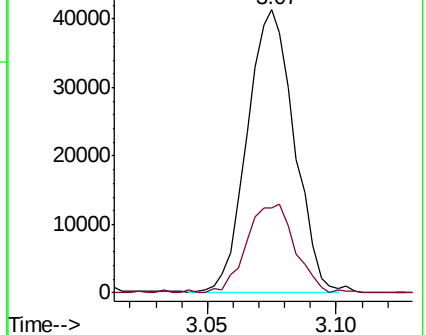
85 100

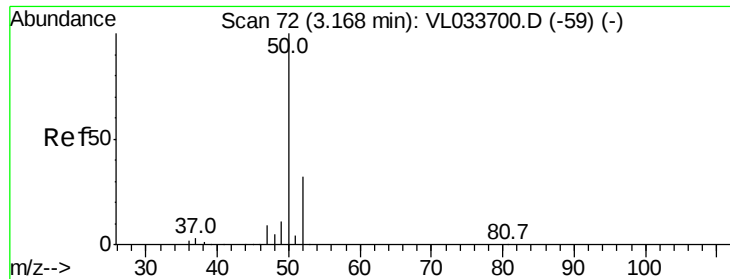
87 29.0 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#4

Chloromethane

Concen: 0.322 ppbv

RT: 3.17 min Scan# 73

Delta R.T. 0.00 min

Lab File: VL033712.D

Acq: 17 May 2019 12:02

Instrument :

MSVOA_L

ClientSampled :

SV-02

Tot Ion: 50 Resp: 21135

Ion Ratio Lower Upper

50 100

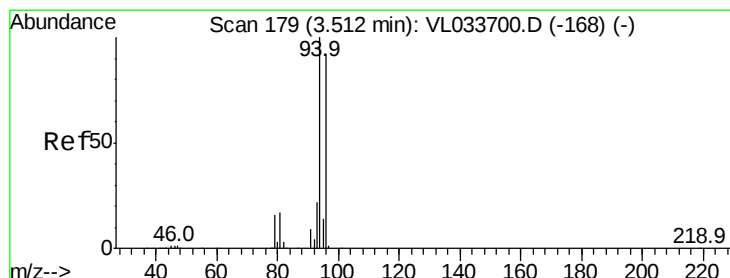
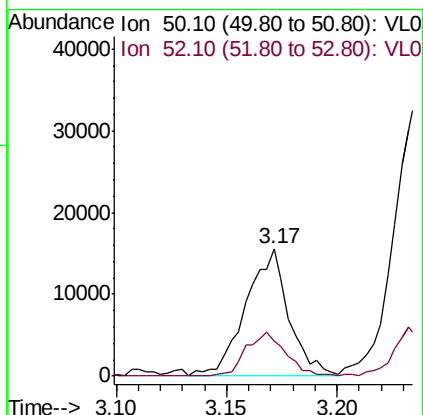
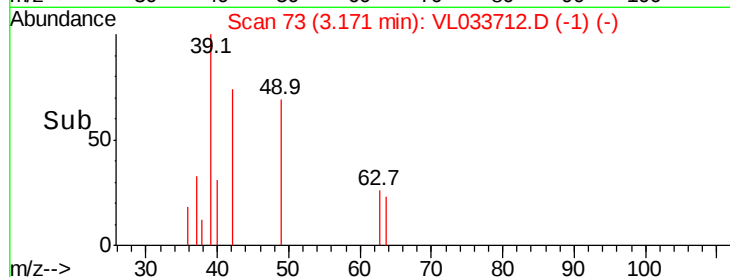
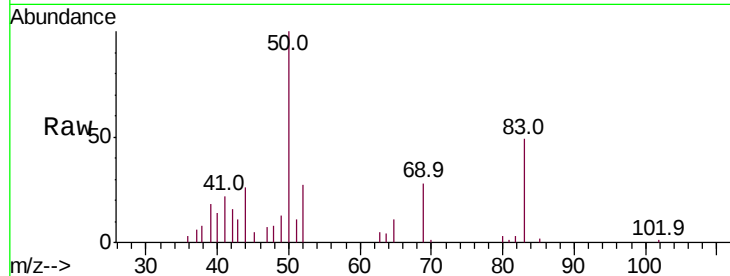
52 27.4 25.7 38.5

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#6

Bromomethane

Concen: 0.134 ppbv m

RT: 3.51 min Scan# 178

Delta R.T. -0.00 min

Lab File: VL033712.D

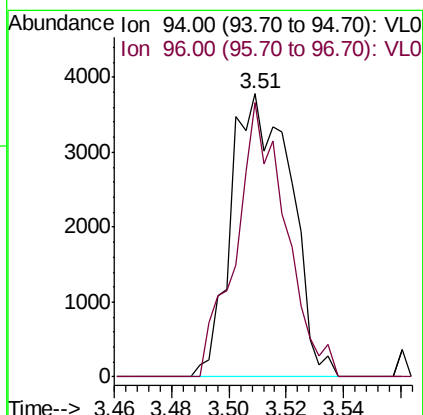
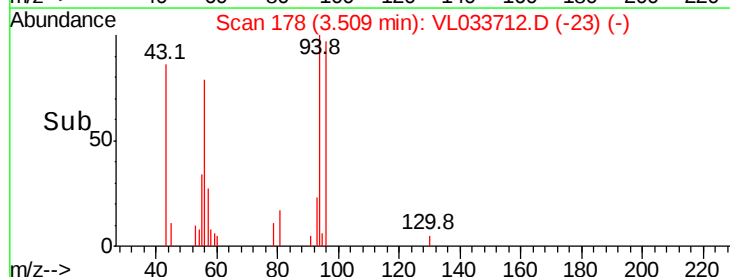
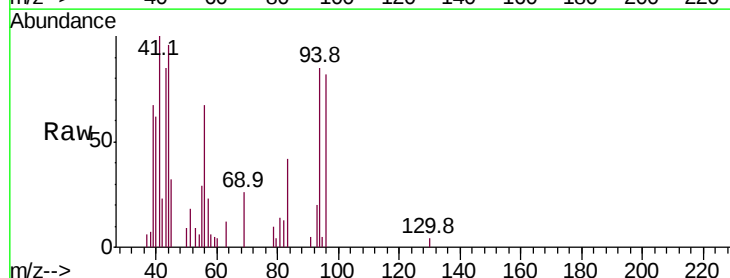
Acq: 17 May 2019 12:02

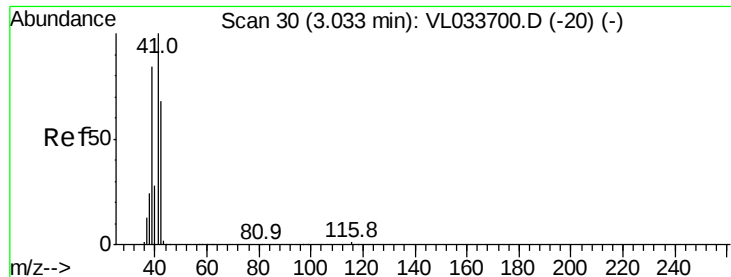
Tgt Ion: 94 Resp: 5456

Ion Ratio Lower Upper

94 100

96 97.1 73.6 110.4





#9

Propene

Concen: 35.560 ppbv m

RT: 3.05 min Scan# 34

Delta R.T. 0.01 min

Lab File: VL033712.D

Acq: 17 May 2019 12:02

Instrument :

MSVOA_L

ClientSampled :

SV-02

Tot Ion: 41 Resp: 1735558

Ion Ratio Lower Upper

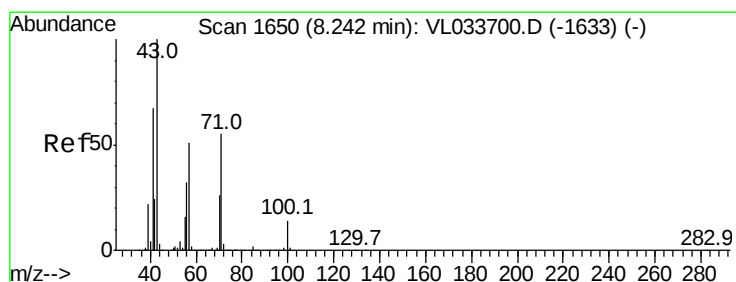
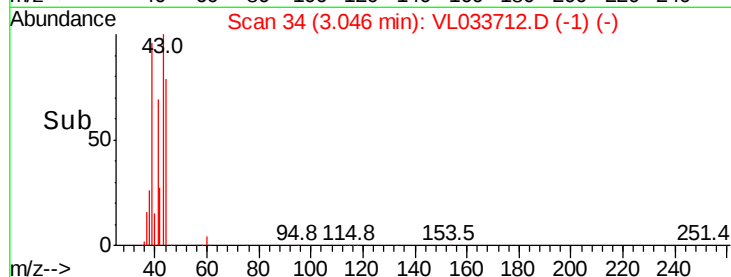
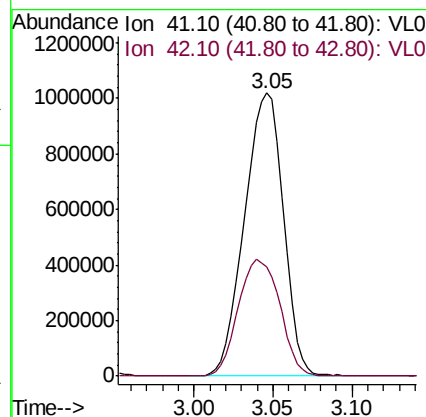
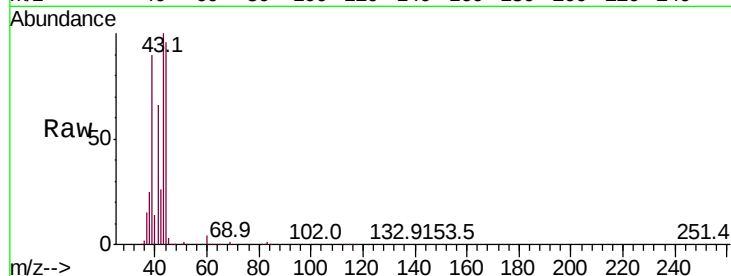
41 100

42 65.4 56.1 84.1

Manual Integrations
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#10

Heptane

Concen: 5.344 ppbv

RT: 8.25 min Scan# 1651

Delta R.T. 0.00 min

Lab File: VL033712.D

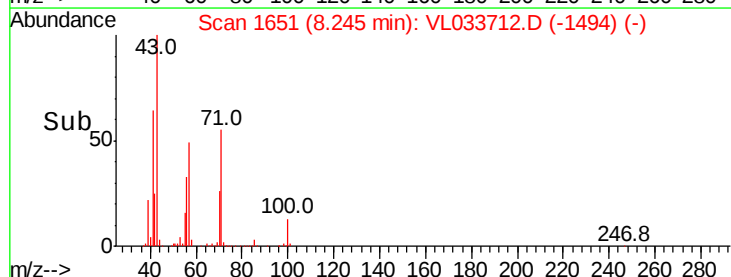
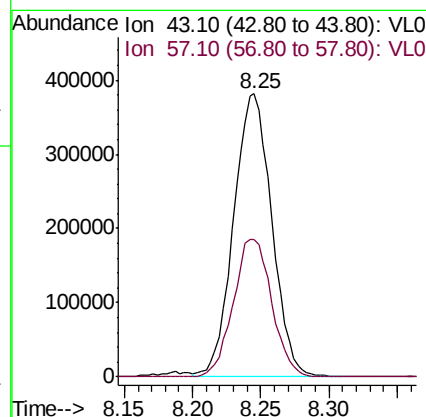
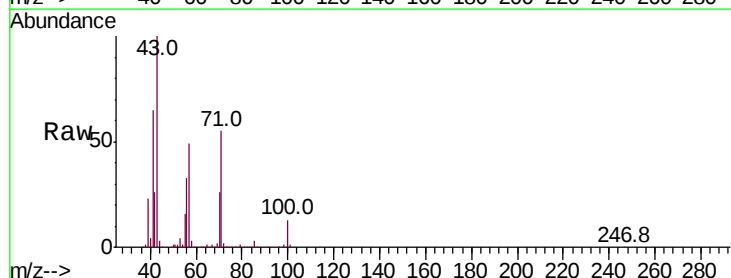
Acq: 17 May 2019 12:02

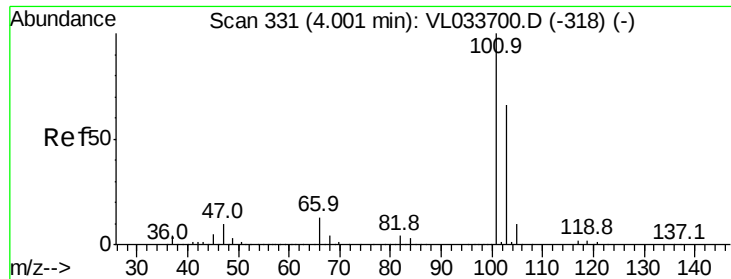
Tgt Ion: 43 Resp: 738656

Ion Ratio Lower Upper

43 100

57 49.3 41.4 62.0





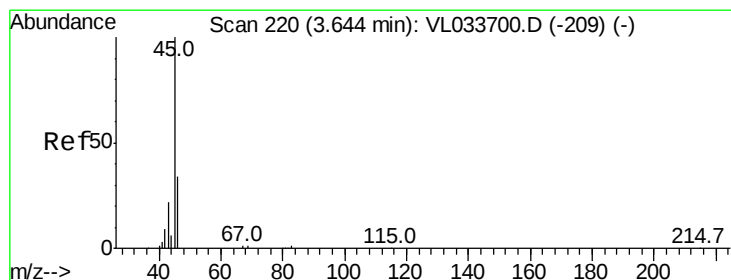
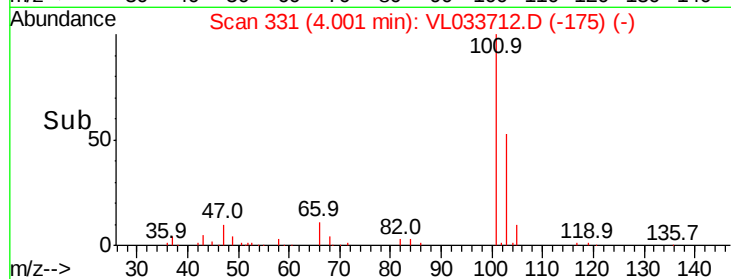
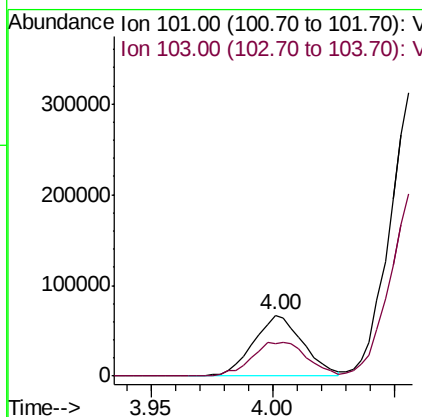
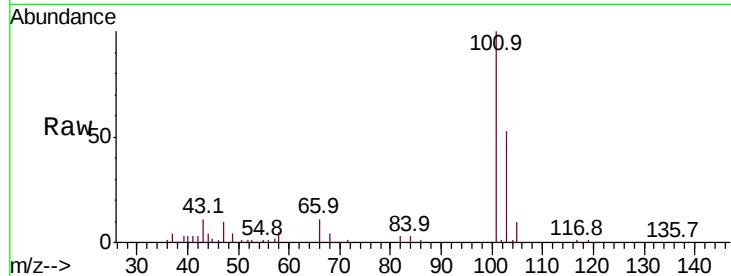
#11
 Trichlorofluoromethane
 Concen: 0.468 ppbv
 RT: 4.00 min Scan# 331
 Delta R.T. 0.00 min
 Lab File: VL033712.D
 Acq: 17 May 2019 12:02

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-02

Tot Ion	Ratio	Lower	Upper
101	100		
103	52.8	52.6	78.8

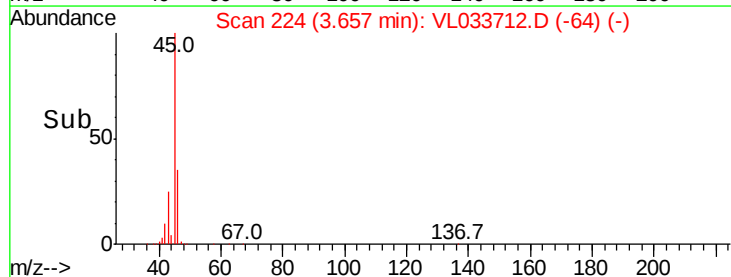
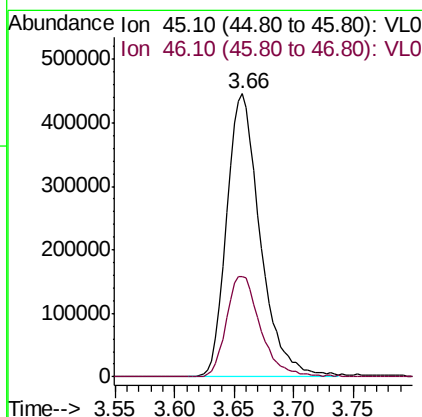
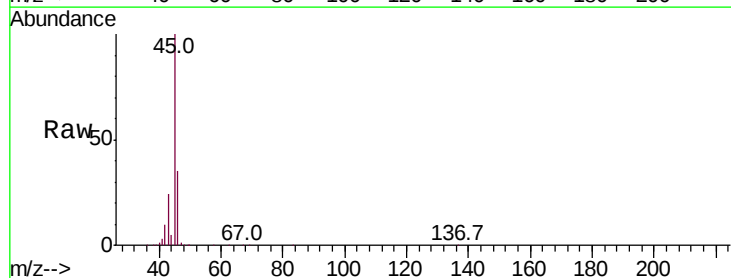
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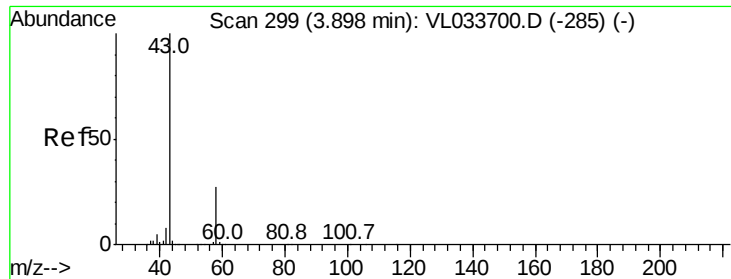
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#13
 Ethanol
 Concen: 55.340 ppbv
 RT: 3.66 min Scan# 224
 Delta R.T. 0.01 min
 Lab File: VL033712.D
 Acq: 17 May 2019 12:02

Tgt Ion	Ratio	Lower	Upper
45	100		
46	36.1	14.8	59.0





#15

Acetone

Concen: 31.365 ppbv

RT: 3.89 min Scan# 297

Delta R.T. -0.01 min

Lab File: VL033712.D

Acq: 17 May 2019 12:02

Instrument :

MSVOA_L

ClientSampleId :

SV-02

Tot Ion: 43 Resp: 4359421

Ion Ratio Lower Upper

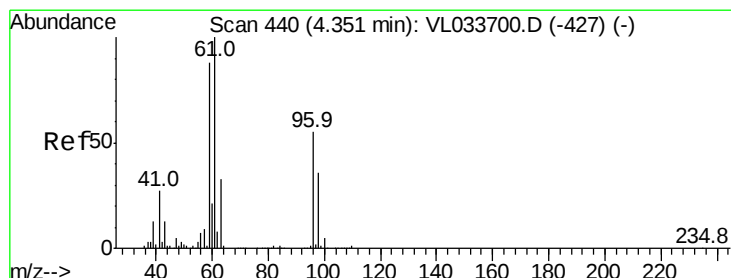
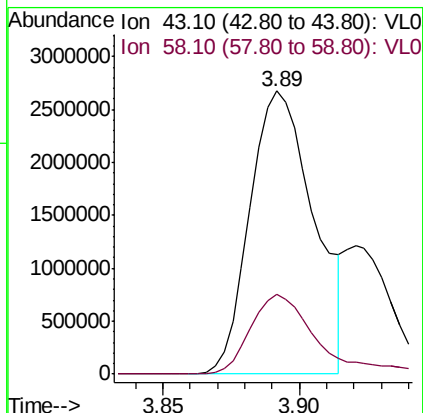
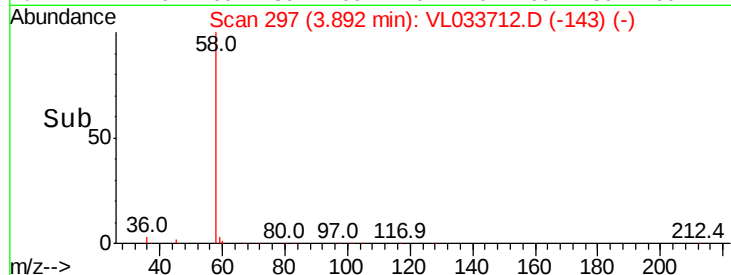
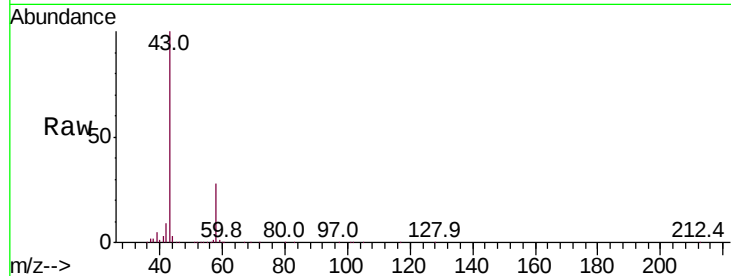
43 100

58 29.7 21.3 31.9

Manual Integrations
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#17

tert-Butyl alcohol

Concen: 1.010 ppbv

RT: 4.37 min Scan# 445

Delta R.T. 0.02 min

Lab File: VL033712.D

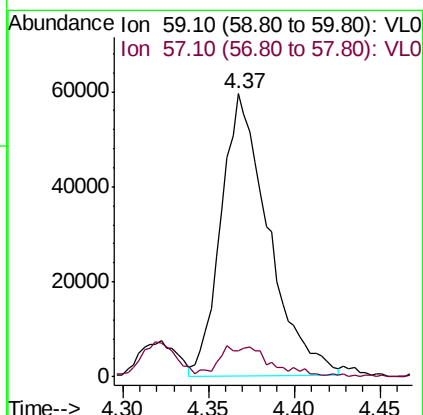
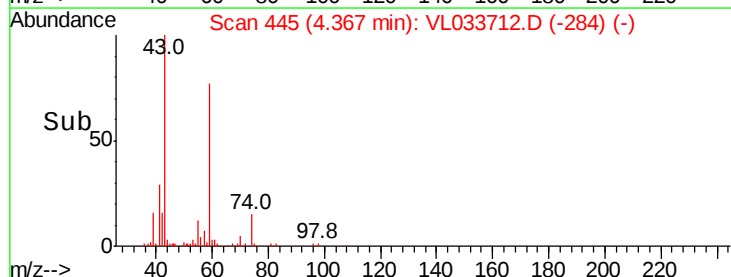
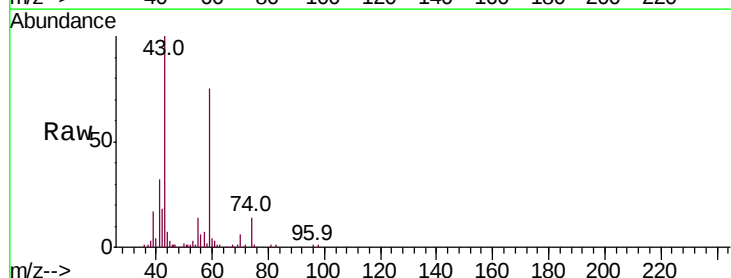
Acq: 17 May 2019 12:02

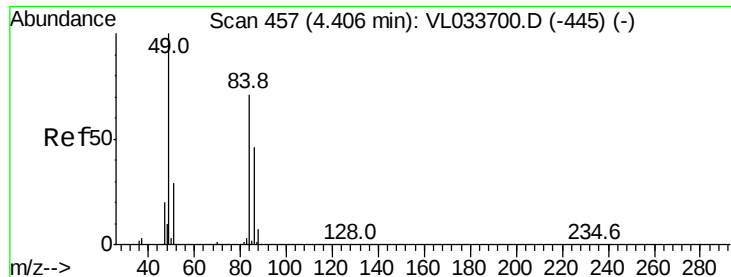
Tgt Ion: 59 Resp: 113529

Ion Ratio Lower Upper

59 100

57 0.0 8.4 12.6#





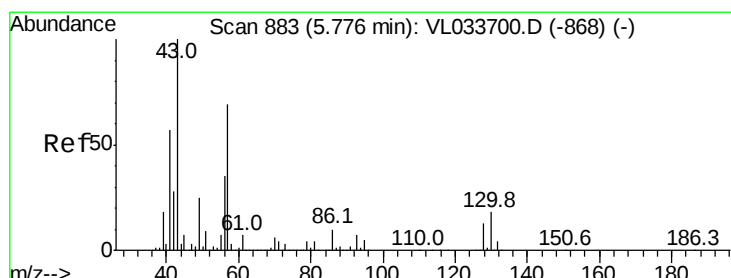
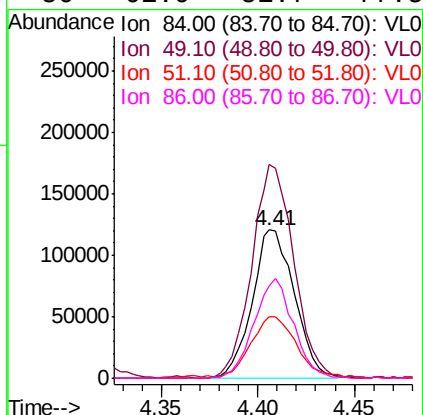
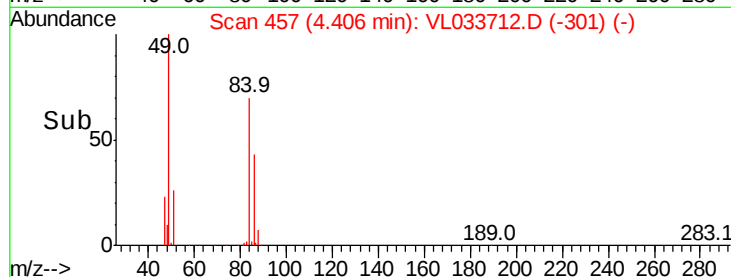
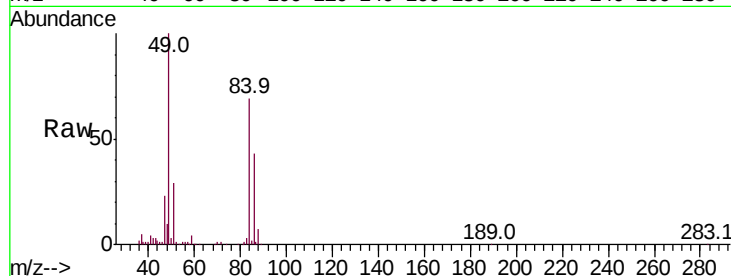
#20
Methvlene Chloride
Concen: 3.429 ppbv
RT: 4.41 min Scan# 457
Delta R.T. 0.00 min
Lab File: VL033712.D
Acq: 17 May 2019 12:02

Instrument :
MSVOA_L
ClientSampled :
SV-02

Tot Ion	Ratio	Lower	Upper
84	100		
49	143.5	112.8	169.2
51	39.9	33.4	50.0
86	61.9	51.7	77.5

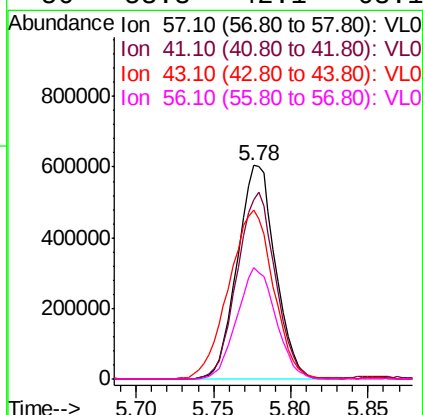
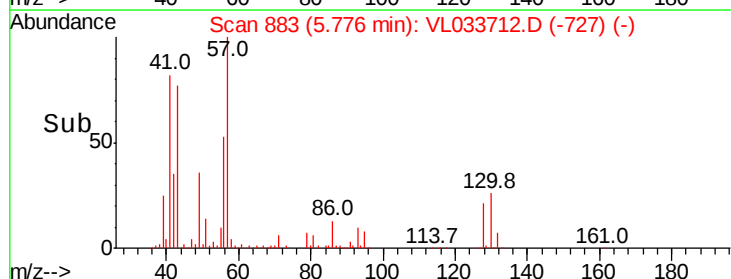
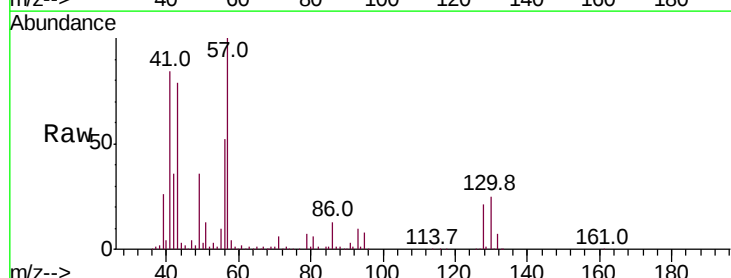
Manual Integrations
APPROVED

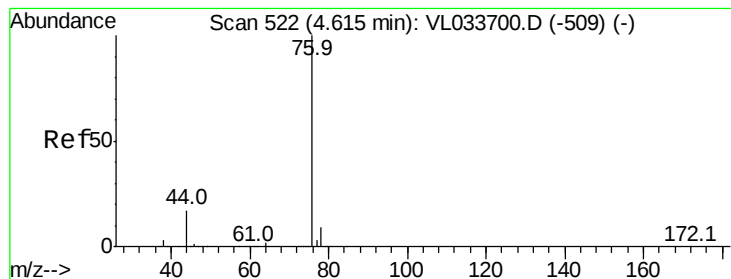
MMDadoda
5/20/2019 12:05:48 PM



#26
Hexane
Concen: 9.845 ppbv
RT: 5.78 min Scan# 883
Delta R.T. 0.00 min
Lab File: VL033712.D
Acq: 17 May 2019 12:02

Tgt Ion	Ratio	Lower	Upper
57	100		
41	88.1	69.8	104.6
43	92.4	181.8	272.6
56	53.3	42.1	63.1





#27

Carbon Disulfide

Concen: 4.781 ppbv

RT: 4.62 min Scan# 523

Delta R.T. 0.00 min

Lab File: VL033712.D

Acq: 17 May 2019 12:02

Instrument :

MSVOA_L

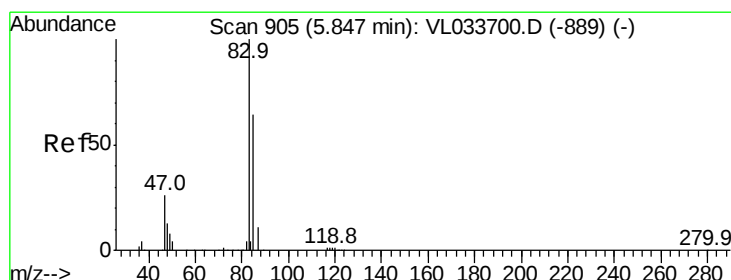
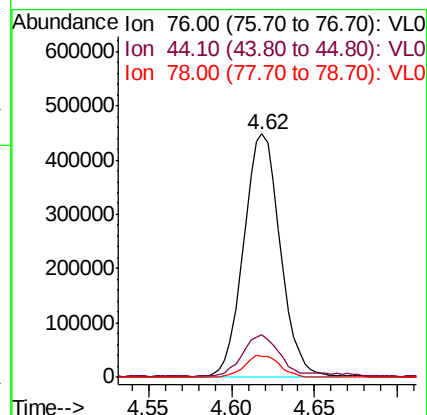
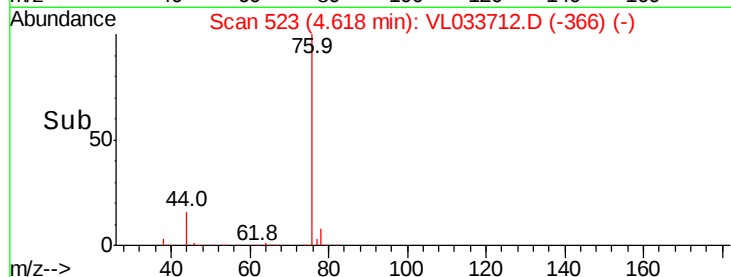
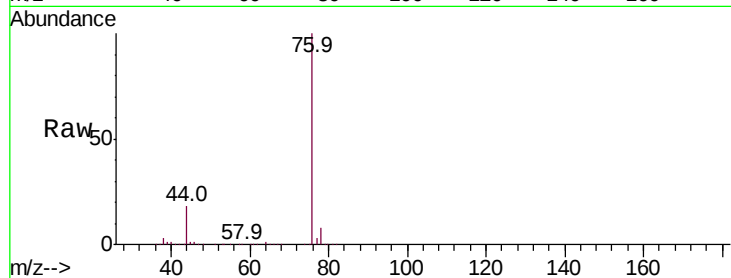
ClientSampleId :

SV-02

Tot Ion:	76	Resp:	688486
Ion Ratio	Lower	Upper	
76	100		
44	18.6	13.8	20.8
78	9.1	7.4	11.0

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#29

Chloroform

Concen: 0.171 ppbv

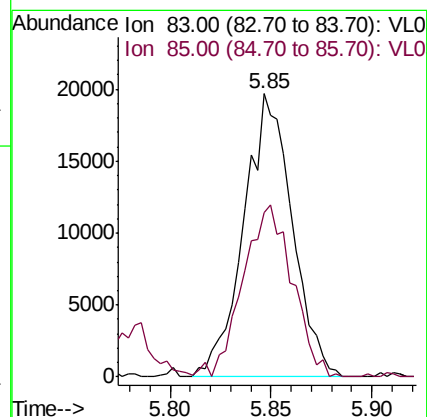
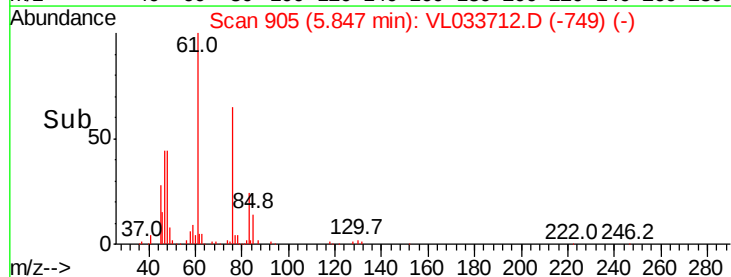
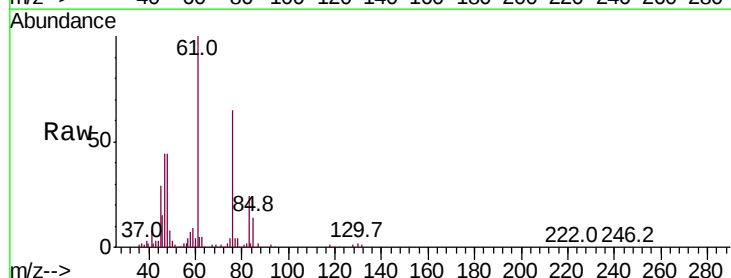
RT: 5.85 min Scan# 905

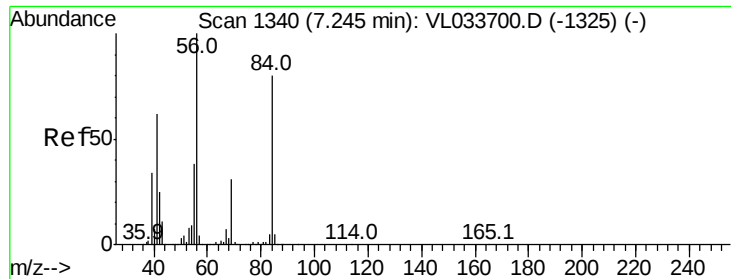
Delta R.T. 0.00 min

Lab File: VL033712.D

Acq: 17 May 2019 12:02

Tgt Ion:	83	Resp:	33022
Ion Ratio	Lower	Upper	
83	100		
85	58.0	51.5	77.3





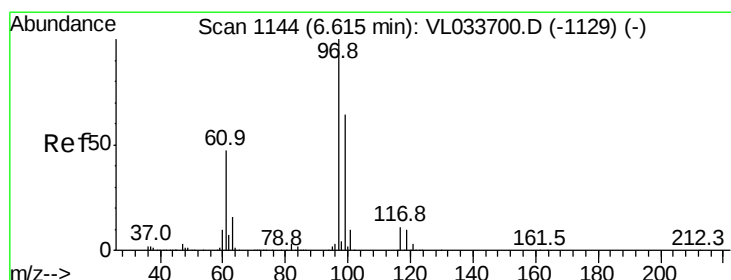
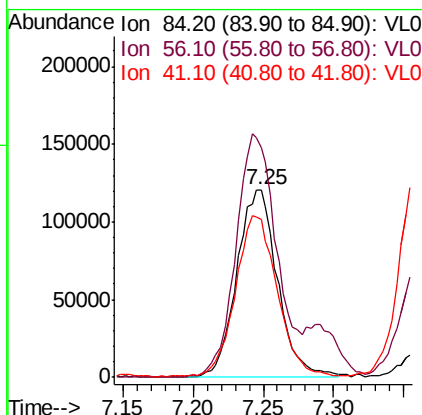
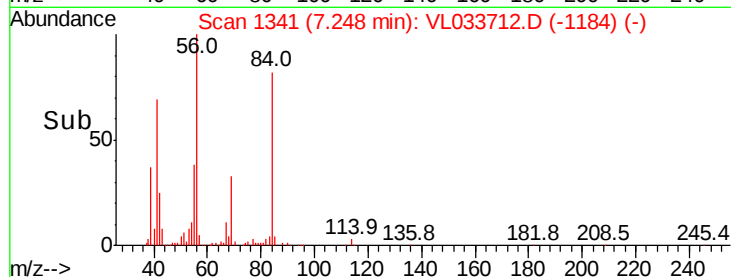
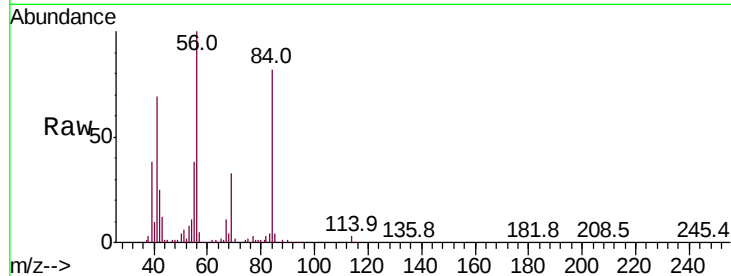
#30
Cvclohexane
Concen: 2.764 ppbv
RT: 7.25 min Scan# 1341
Delta R.T. 0.00 min
Lab File: VL033712.D
Acq: 17 May 2019 12:02

Instrument :
MSVOA_L
ClientSampleId :
SV-02

Tot Ion	Ratio	Lower	Upper
84	100		
56	151.8	107.7	161.5
41	87.9	66.0	99.0

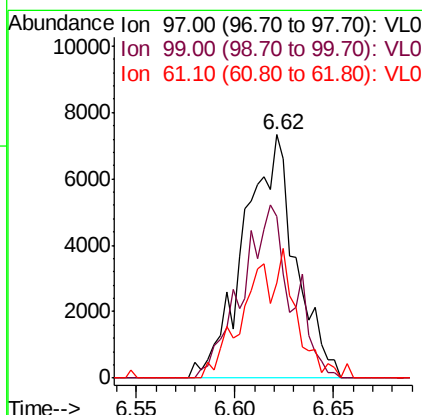
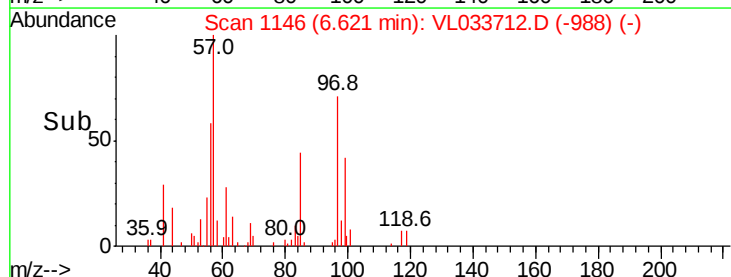
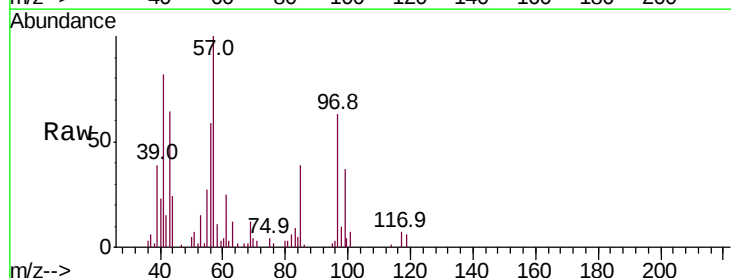
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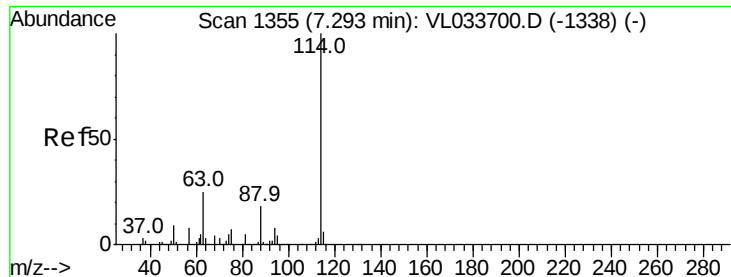
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#32
1,1,1-Trichloroethane
Concen: 0.069 ppbv m
RT: 6.62 min Scan# 1146
Delta R.T. 0.01 min
Lab File: VL033712.D
Acq: 17 May 2019 12:02

Tgt Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.5	77.3#
61	0.0	37.8	56.8#





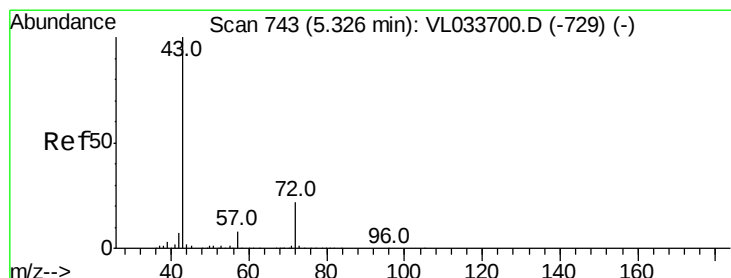
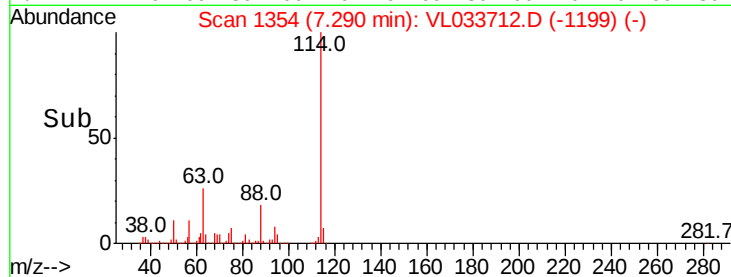
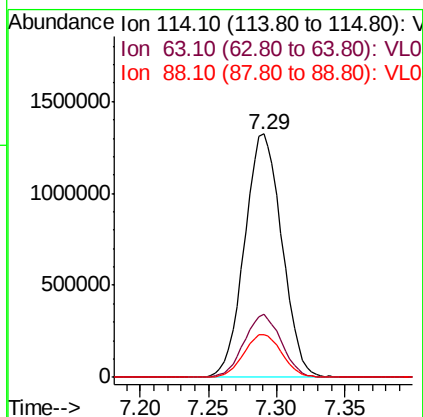
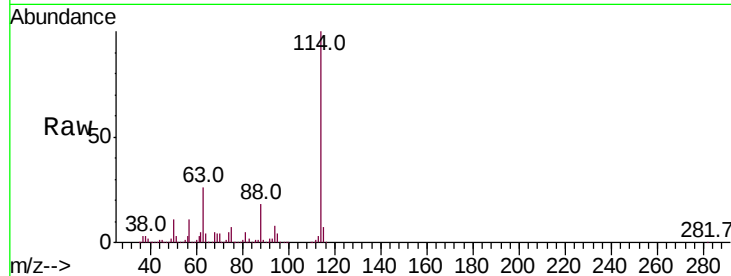
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1354
 Delta R.T. -0.00 min
 Lab File: VL033712.D
 Acq: 17 May 2019 12:02

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-02

Tot Ion	Ratio	Lower	Upper
114	100		
63	26.0	20.9	31.3
88	17.8	14.3	21.5

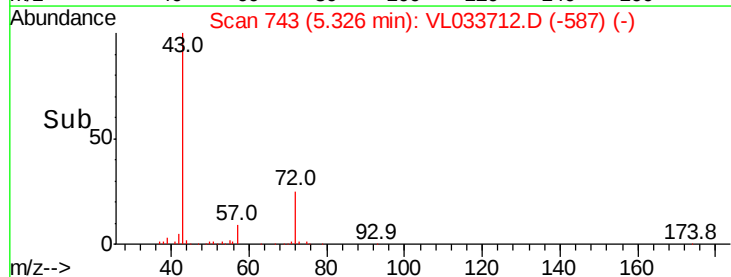
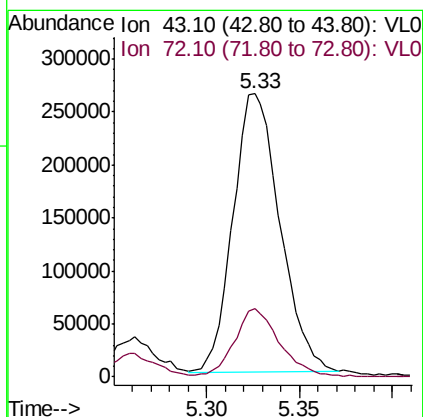
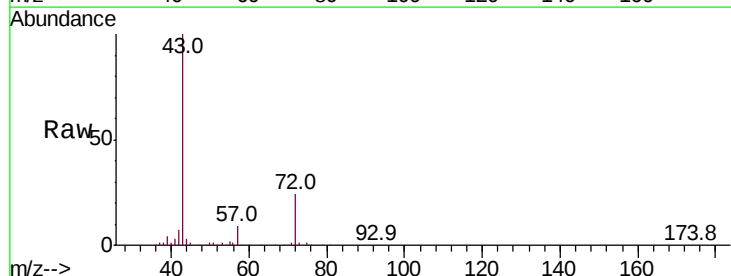
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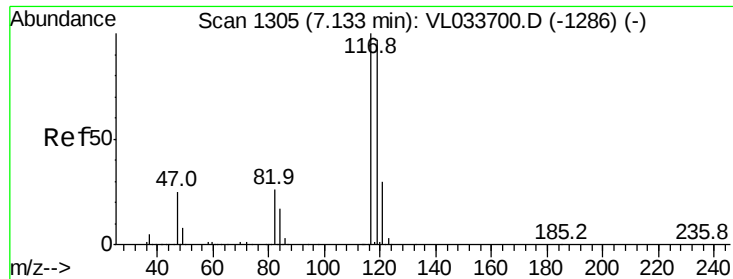
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#34
 2-Butanone
 Concen: 2.951 ppbv
 RT: 5.33 min Scan# 743
 Delta R.T. 0.00 min
 Lab File: VL033712.D
 Acq: 17 May 2019 12:02

Tgt Ion	Ratio	Lower	Upper
43	100		
72	24.1	17.8	26.6





#35

Carbon Tetrachloride

Concen: 0.093 ppbv

RT: 7.14 min Scan# 1306

Delta R.T. 0.00 min

Lab File: VL033712.D

Acq: 17 May 2019 12:02

Instrument :

MSVOA_L

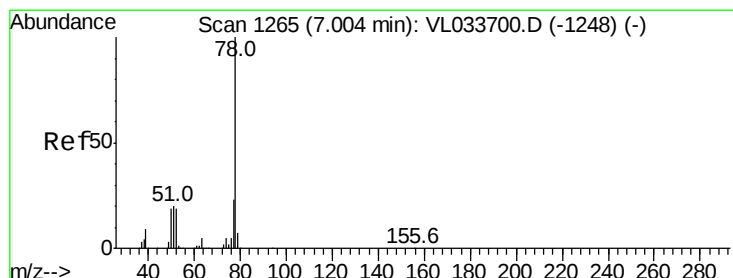
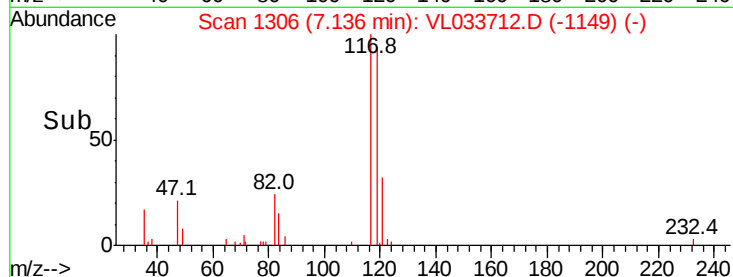
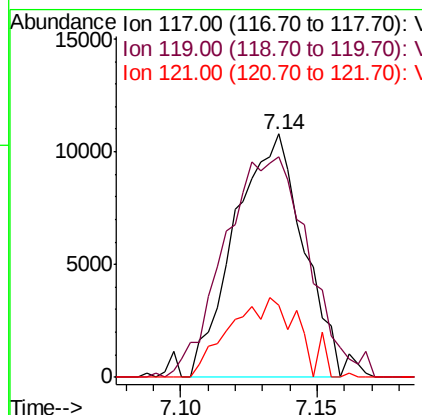
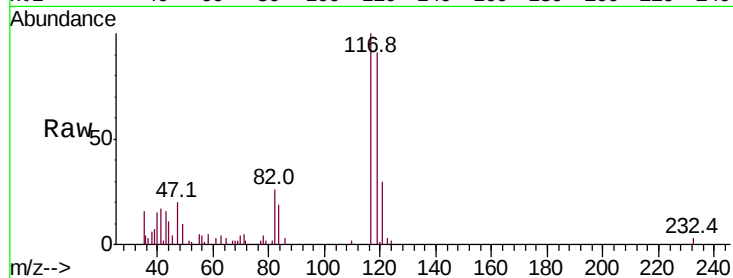
ClientSampled :

SV-02

Tot Ion:	117	Resp:	18789
Ion	Ratio	Lower	Upper
117	100		
119	79.8	77.2	115.8
121	29.8	24.1	36.1

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#36

Benzene

Concen: 3.569 ppbv

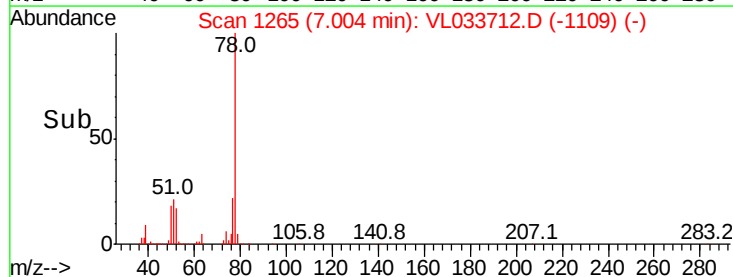
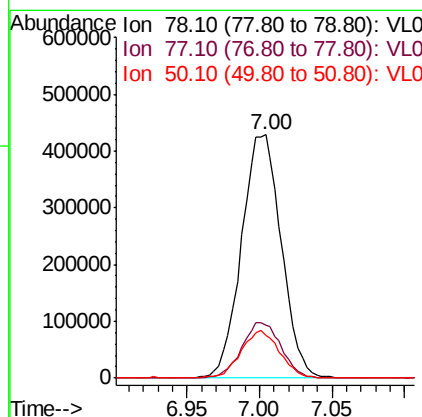
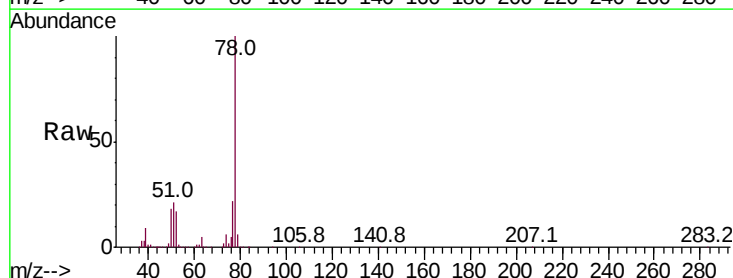
RT: 7.00 min Scan# 1265

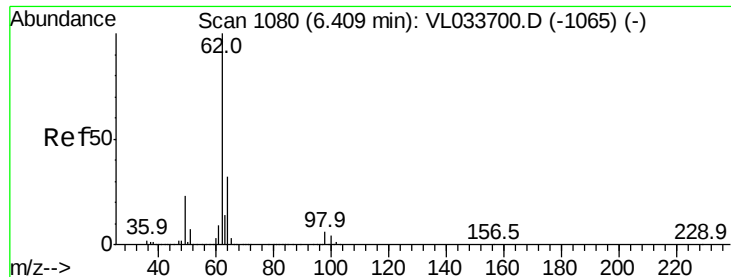
Delta R.T. 0.00 min

Lab File: VL033712.D

Acq: 17 May 2019 12:02

Tgt Ion:	78	Resp:	816920
Ion	Ratio	Lower	Upper
78	100		
77	21.6	18.4	27.6
50	17.6	15.5	23.3





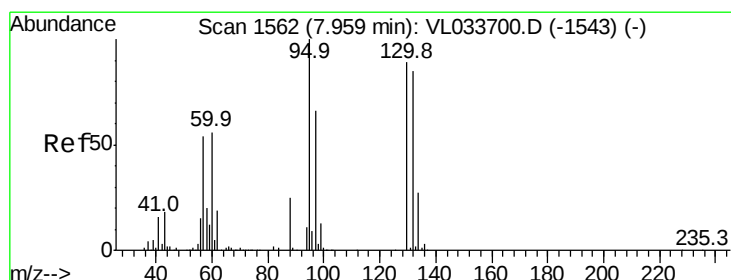
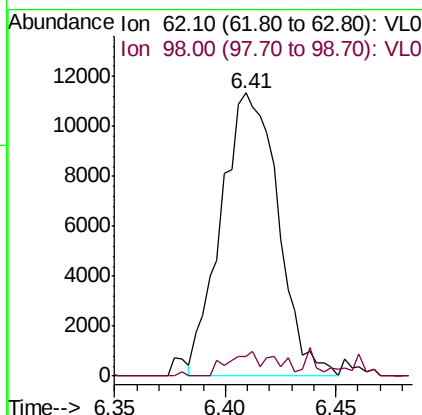
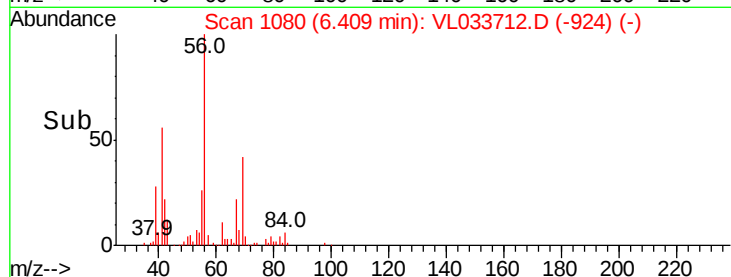
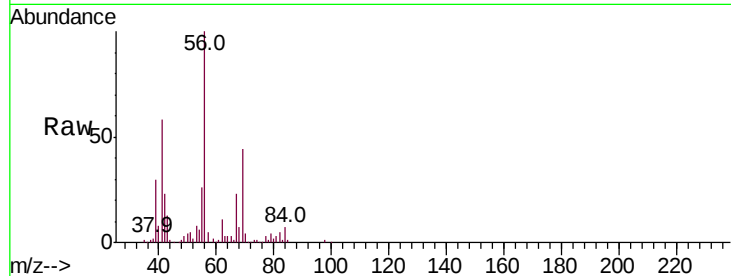
#37
 1,2-Dichloroethane
 Concen: 0.138 ppbv
 RT: 6.41 min Scan# 1080
 Delta R.T. 0.00 min
 Lab File: VL033712.D
 Acq: 17 May 2019 12:02

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-02

Tot Ion	Ratio	Lower	Upper
62	100		
98	0.0	4.5	6.7#

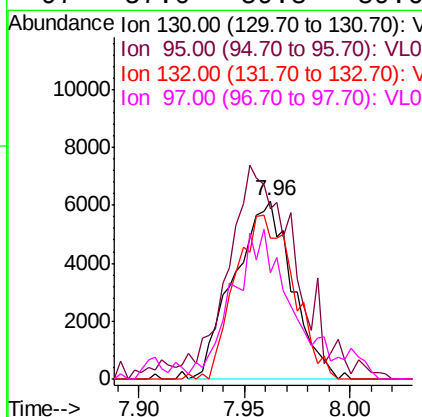
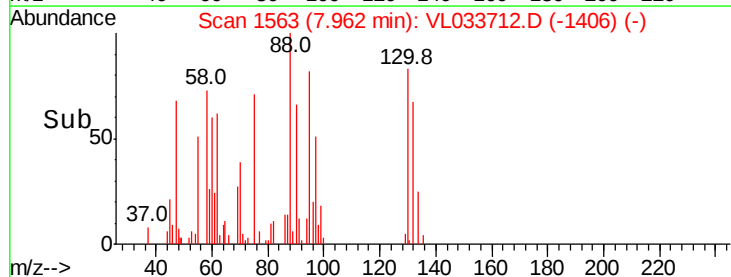
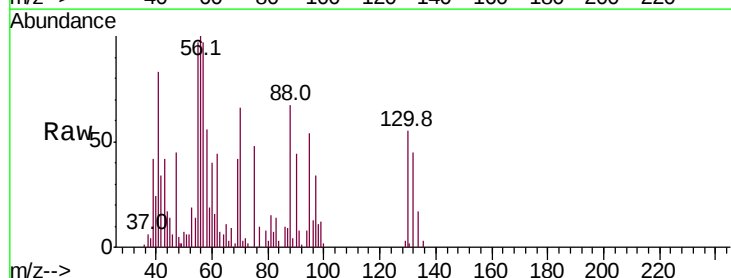
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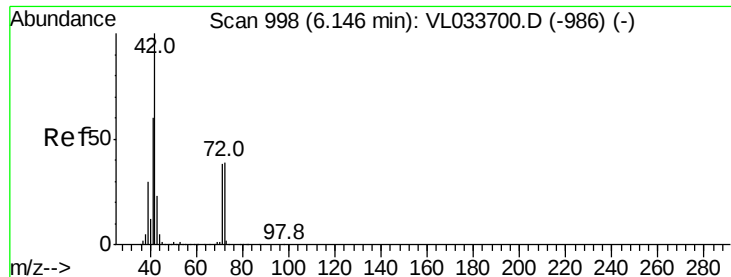
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#38
 Trichloroethene
 Concen: 0.138 ppbv
 RT: 7.96 min Scan# 1563
 Delta R.T. 0.00 min
 Lab File: VL033712.D
 Acq: 17 May 2019 12:02

Tgt Ion	Ratio	Lower	Upper
130	100		
95	81.1	90.2	135.4#
132	78.8	76.4	114.6
97	57.0	59.8	89.6#





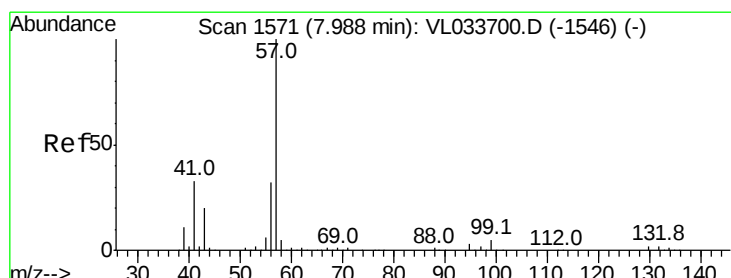
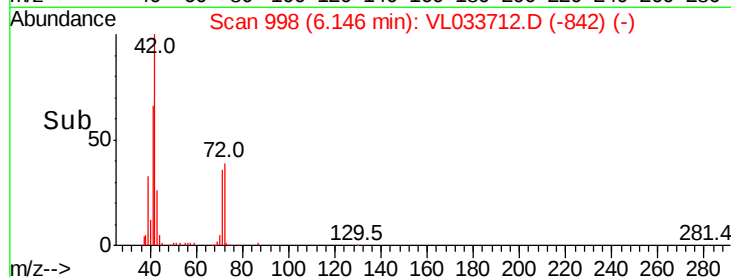
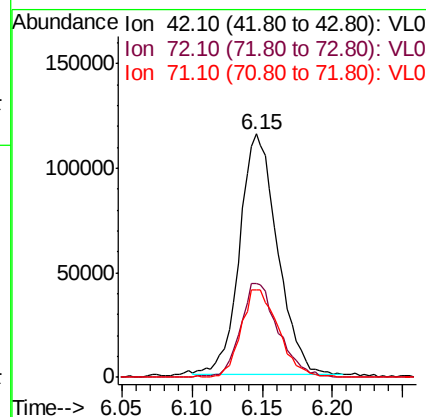
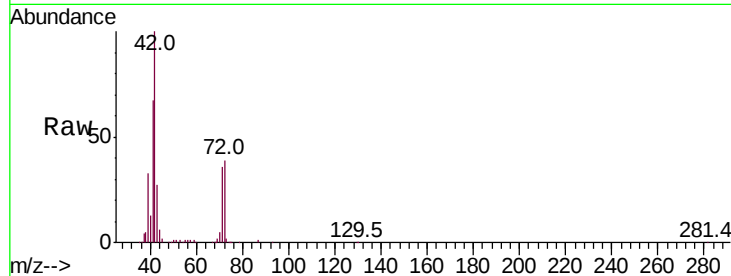
#41
Tetrahydrofuran
Concen: 2.486 ppbv
RT: 6.15 min Scan# 998
Delta R.T. 0.00 min
Lab File: VL033712.D
Acq: 17 May 2019 12:02

Instrument :
MSVOA_L
ClientSampled :
SV-02

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.9	32.0	48.0
71	36.2	30.4	45.6

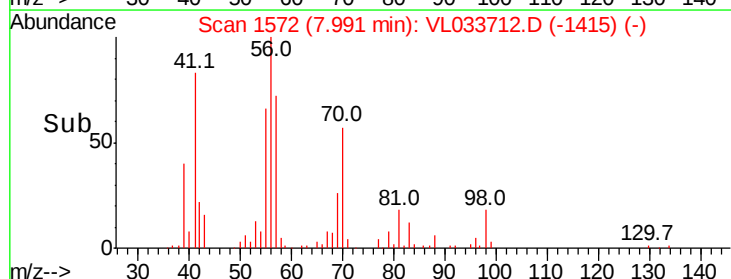
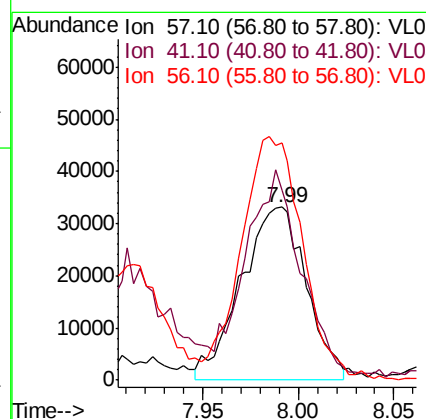
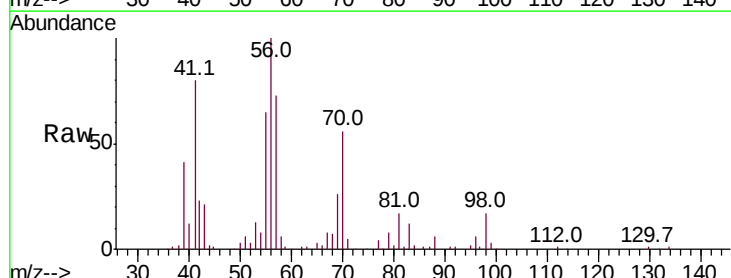
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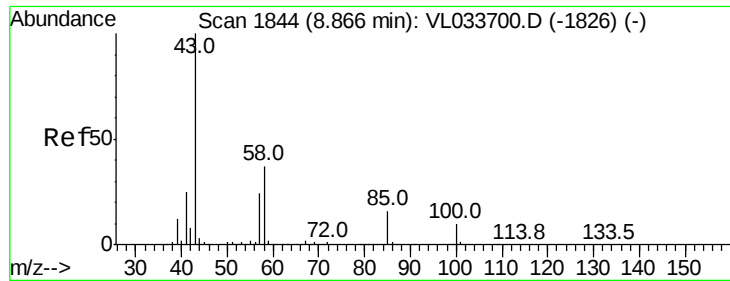
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#44
2,2,4-Trimethylpentane
Concen: 0.202 ppbv m
RT: 7.99 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VL033712.D
Acq: 17 May 2019 12:02

Tgt Ion	Ratio	Lower	Upper
57	100		
41	100.1	25.4	38.0#
56	133.3	24.7	37.1#





#50

4-Methyl-2-Pentanone

Concen: 0.407 ppbv

RT: 8.88 min Scan# 1848

Delta R.T. 0.01 min

Lab File: VL033712.D

Acq: 17 May 2019 12:02

Instrument :

MSVOA_L

ClientSampled :

SV-02

Tot Ion: 43 Resp: 97534

Ion Ratio Lower Upper

43 100

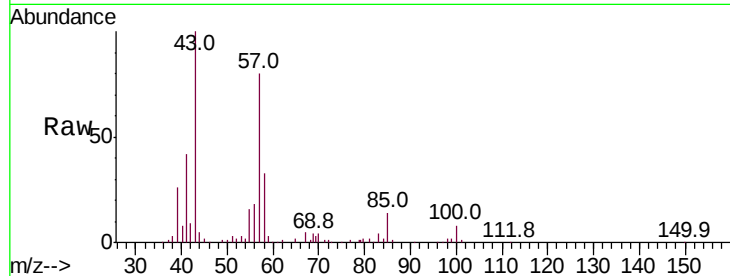
58 38.2 28.6 43.0

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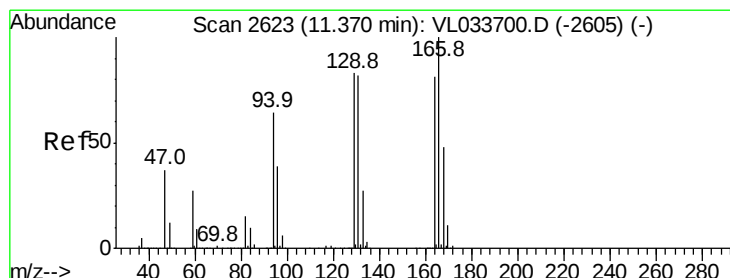
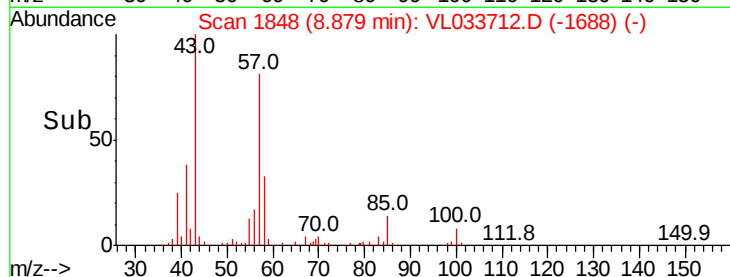
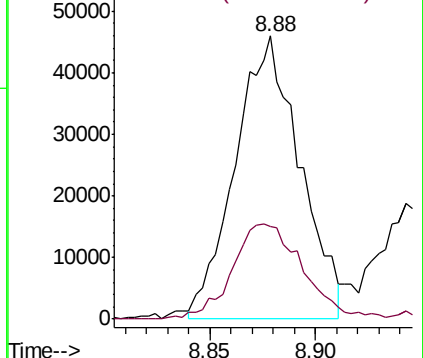
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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#52

Tetrachloroethene

Concen: 0.437 ppbv m

RT: 11.37 min Scan# 2623

Delta R.T. 0.00 min

Lab File: VL033712.D

Acq: 17 May 2019 12:02

Tgt Ion: 164 Resp: 35128

Ion Ratio Lower Upper

164 100

166 102.0 98.9 148.3

129 105.5 81.8 122.6

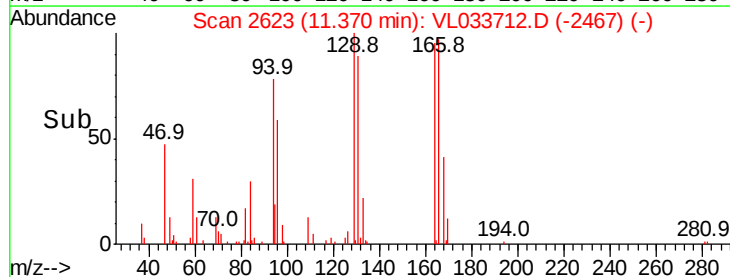
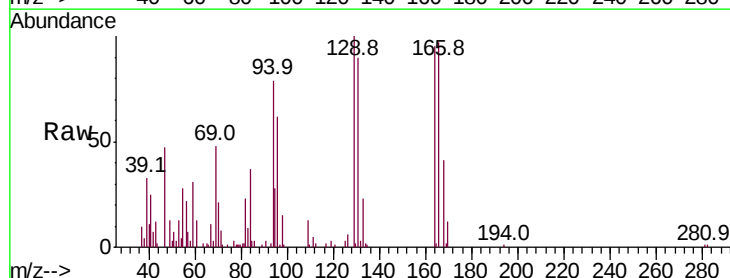
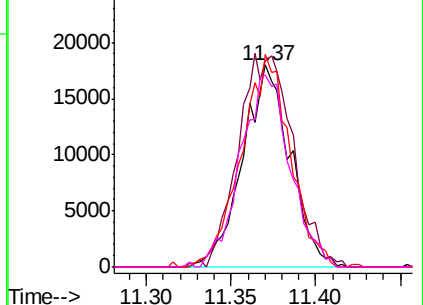
131 95.0 81.1 121.7

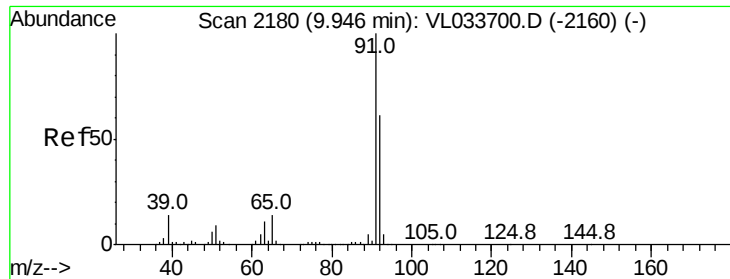
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 15.518 ppbv

RT: 9.94 min Scan# 2179

Delta R.T. -0.00 min

Lab File: VL033712.D

Acq: 17 May 2019 12:02

Instrument :

MSVOA_L

ClientSampleId :

SV-02

Tot Ion: 91 Resp: 3831064

Ion Ratio Lower Upper

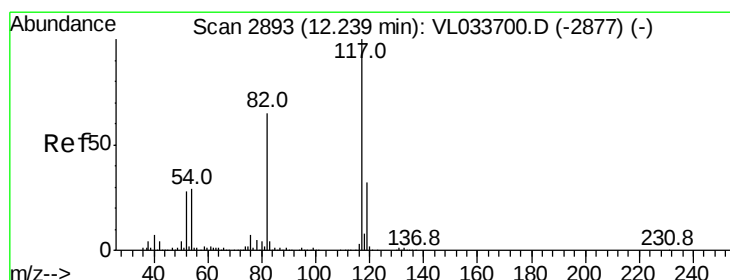
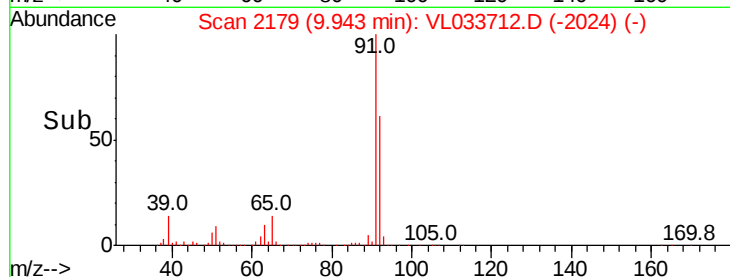
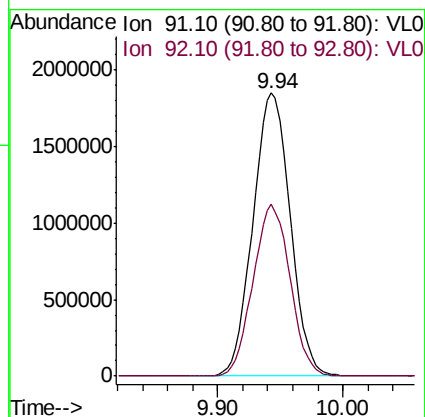
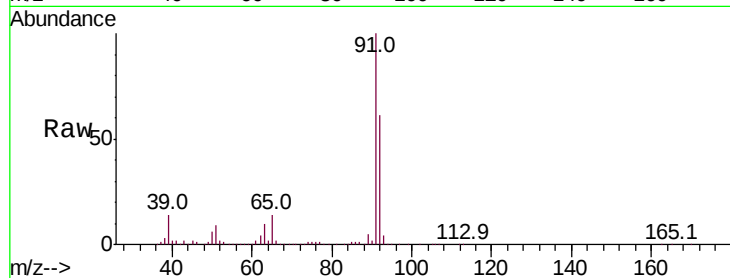
91 100

92 60.4 47.6 71.4

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.24 min Scan# 2892

Delta R.T. -0.00 min

Lab File: VL033712.D

Acq: 17 May 2019 12:02

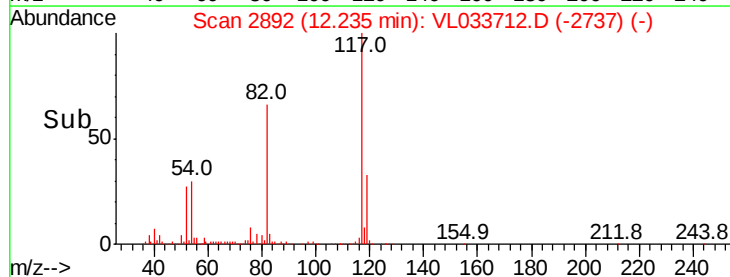
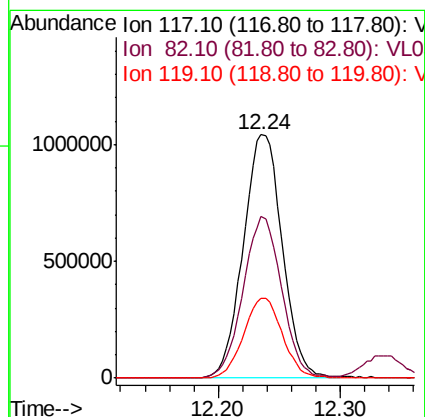
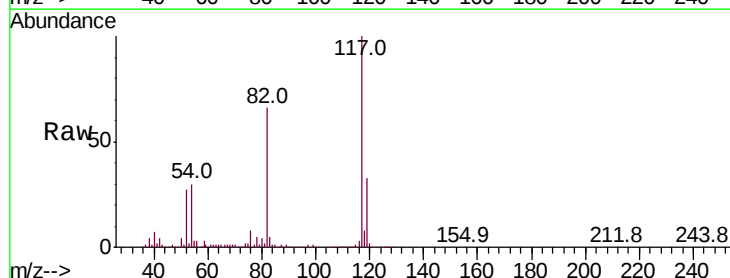
Tgt Ion: 117 Resp: 2305794

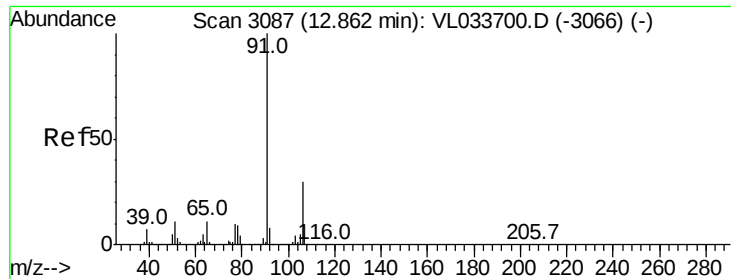
Ion Ratio Lower Upper

117 100

82 65.6 49.4 74.0

119 32.8 24.9 37.3





#58

Ethyl Benzene

Concen: 13.180 ppbv

RT: 12.86 min Scan# 3086

Delta R.T. -0.00 min

Lab File: VL033712.D

Acq: 17 May 2019 12:02

Instrument :

MSVOA_L

ClientSampled :

SV-02

Tot Ion: 91 Resp: 4024384

Ion Ratio Lower Upper

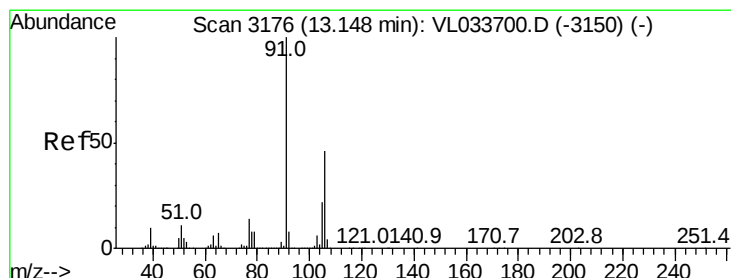
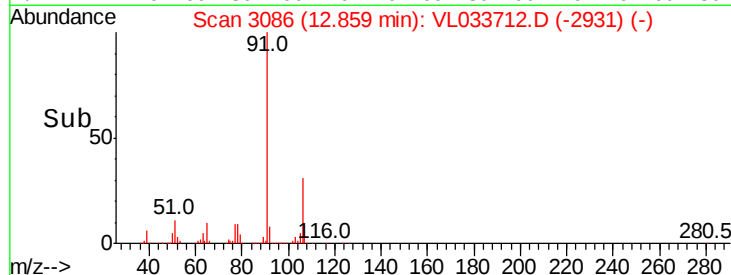
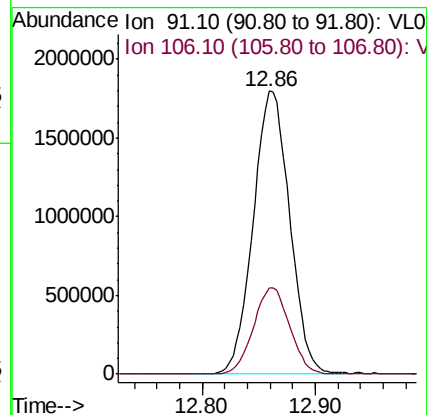
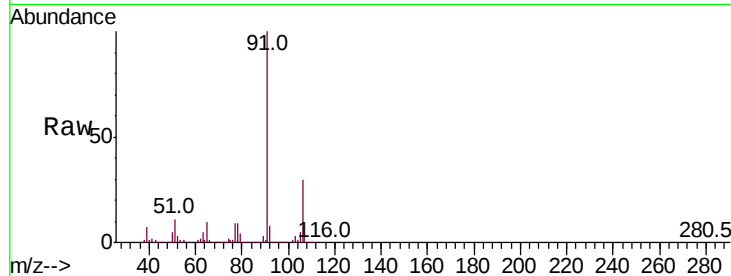
91 100

106 30.5 23.9 35.9

Manual Integrations
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#59

m/p-Xylene

Concen: 36.273 ppbv

RT: 13.12 min Scan# 3167

Delta R.T. -0.03 min

Lab File: VL033712.D

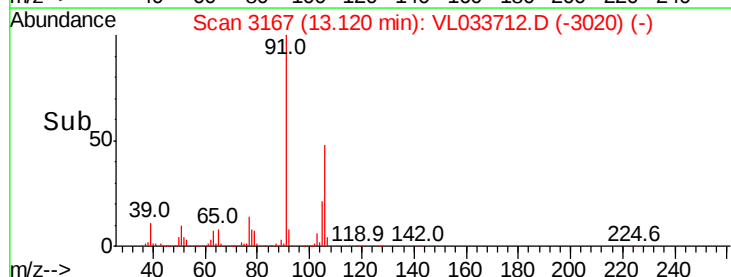
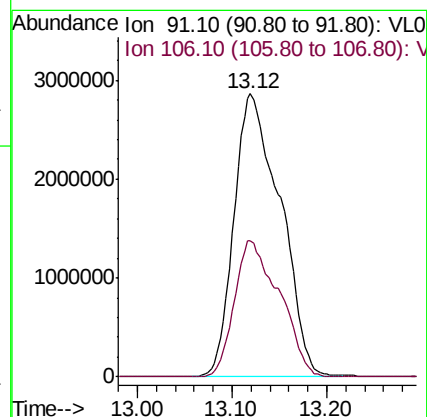
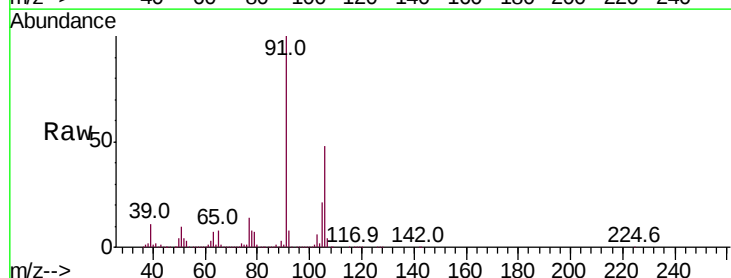
Acq: 17 May 2019 12:02

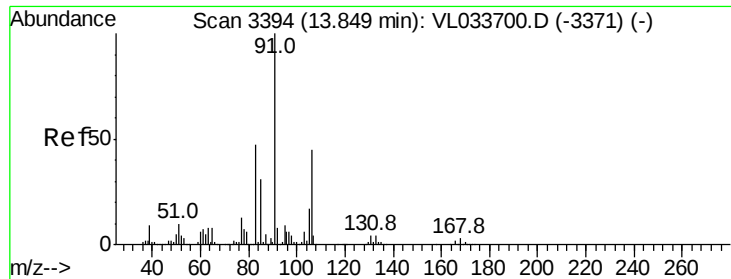
Tgt Ion: 91 Resp: 9681977

Ion Ratio Lower Upper

91 100

106 47.4 35.8 53.6





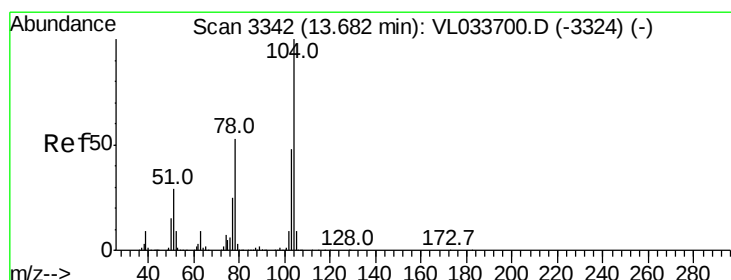
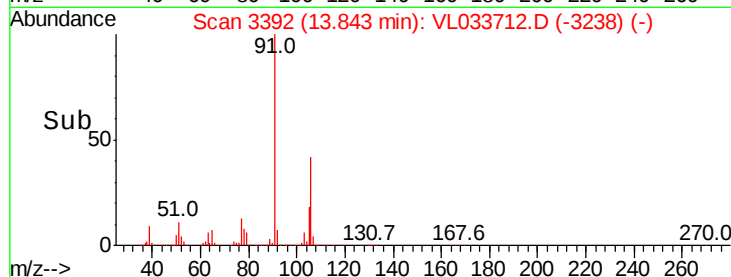
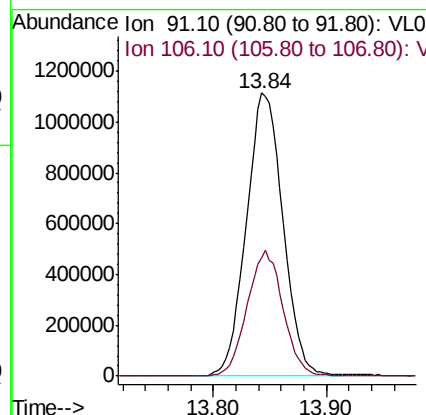
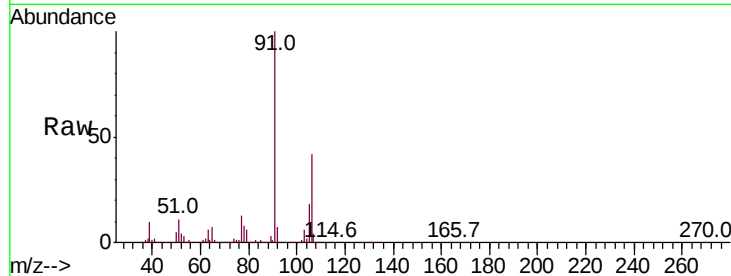
#60
o-Xylene
Concen: 9.316 ppbv
RT: 13.84 min Scan# 3392
Delta R.T. -0.01 min
Lab File: VL033712.D
Acq: 17 May 2019 12:02

Instrument :
MSVOA_L
ClientSampleId :
SV-02

Tot Ion: 91 Resp: 2506609
Ion Ratio Lower Upper
91 100
106 43.8 21.6 64.8

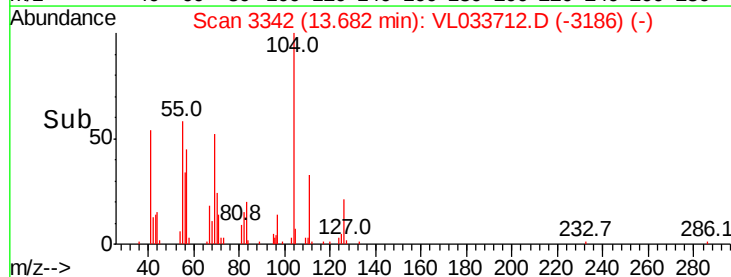
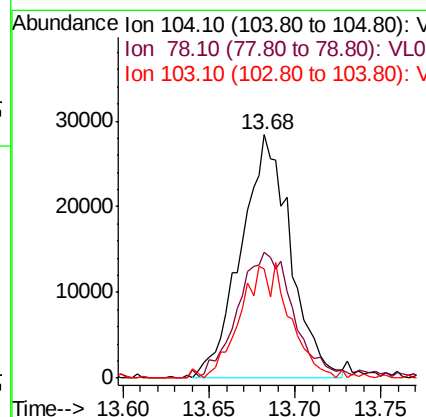
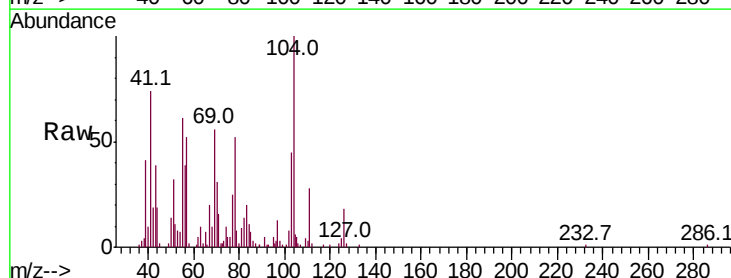
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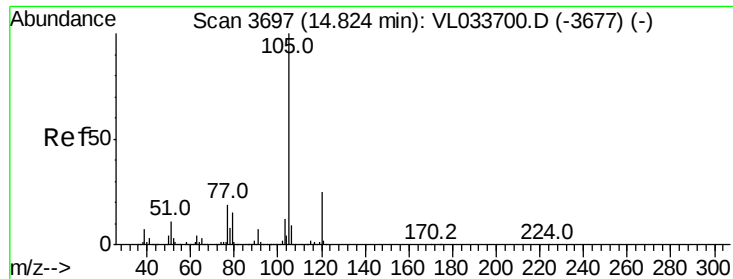
MMDadoda
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#61
Styrene
Concen: 0.313 ppbv
RT: 13.68 min Scan# 3342
Delta R.T. 0.00 min
Lab File: VL033712.D
Acq: 17 May 2019 12:02

Tgt Ion:104 Resp: 56746
Ion Ratio Lower Upper
104 100
78 61.1 42.6 64.0
103 47.7 37.8 56.6





#62

Isopropylbenzene

Concen: 0.226 ppbv

RT: 14.83 min Scan# 3698

Delta R.T. 0.00 min

Lab File: VL033712.D

Acq: 17 May 2019 12:02

Instrument :

MSVOA_L

ClientSampleId :

SV-02

Tot Ion:105 Resp: 81934

Ion Ratio Lower Upper

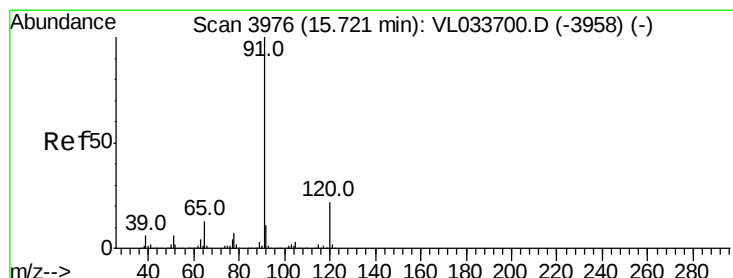
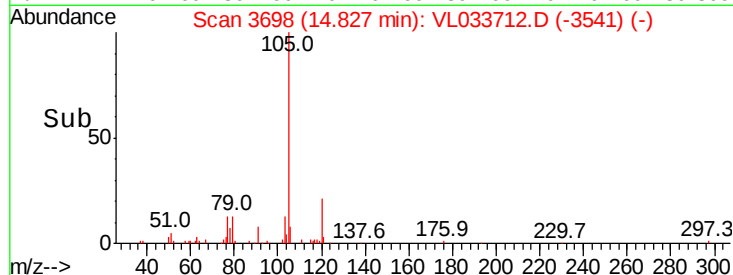
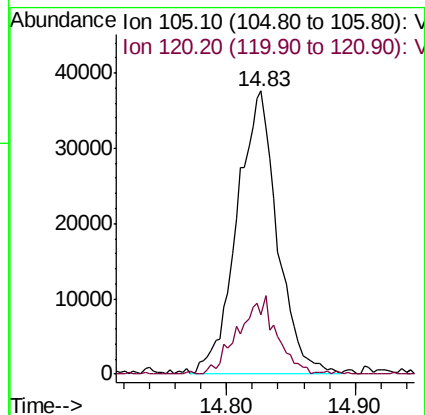
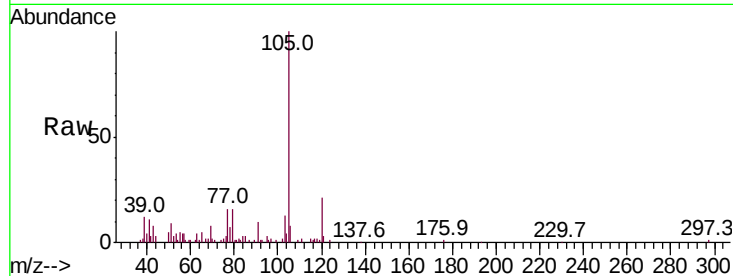
105 100

120 26.5 20.1 30.1

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#64

n-propylbenzene

Concen: 0.186 ppbv m

RT: 15.73 min Scan# 3979

Delta R.T. 0.01 min

Lab File: VL033712.D

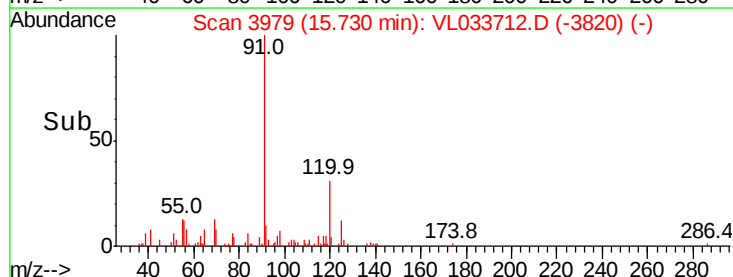
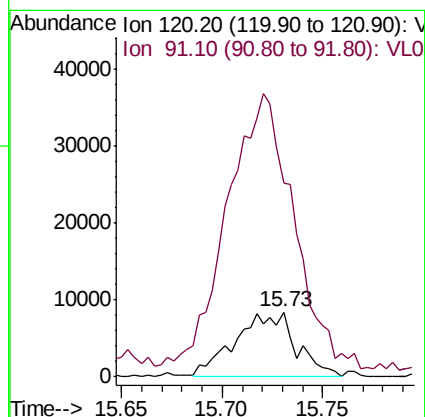
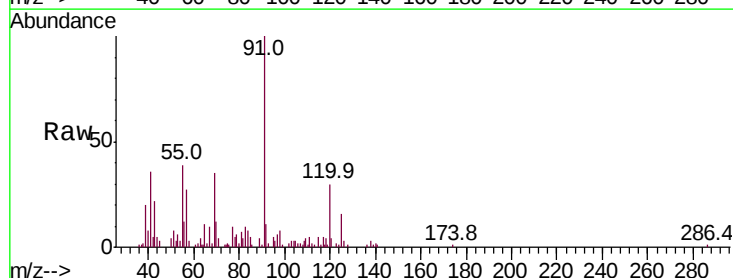
Acq: 17 May 2019 12:02

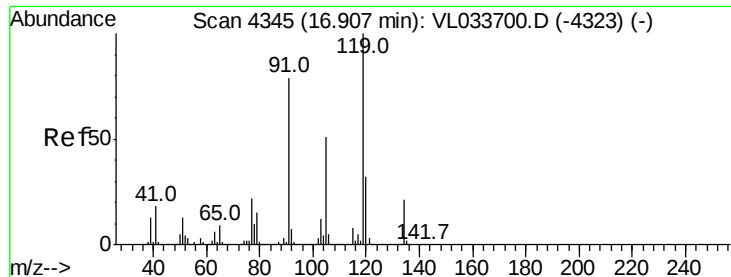
Tgt Ion:120 Resp: 17431

Ion Ratio Lower Upper

120 100

91 506.4 379.1 568.7





#65

tert-Butylbenzene

Concen: 0.134 ppbv

RT: 16.91 min Scan# 4347

Delta R.T. 0.01 min

Lab File: VL033712.D

Acq: 17 May 2019 12:02

Instrument :

MSVOA_L

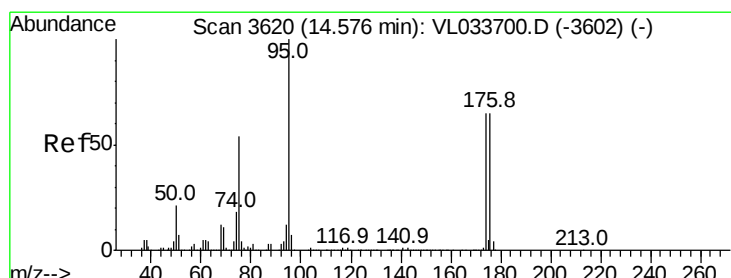
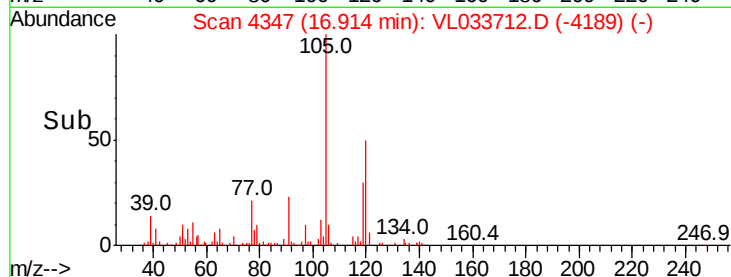
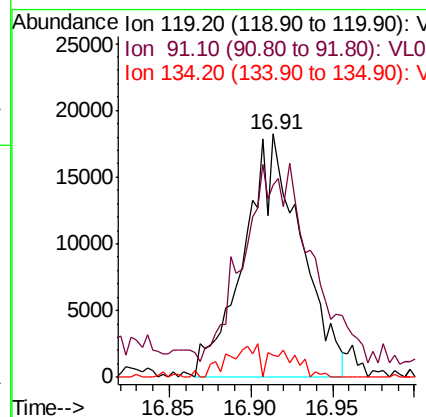
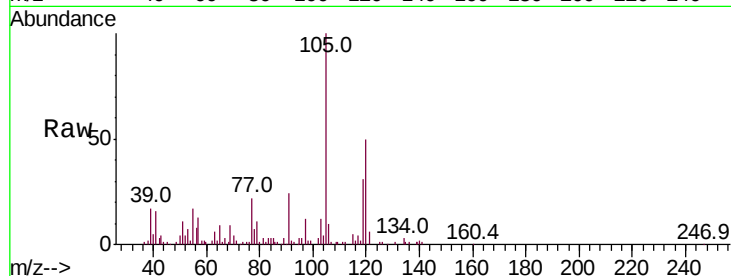
ClientSampled :

SV-02

Tot Ion:	119	Resp:	44371
Ion Ratio	Lower	Upper	
119	100		
91	0.0	65.3	97.9#
134	13.3	15.7	23.5#

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#68

1-Bromo-4-Fluorobenzene

Concen: 11.043 ppbv

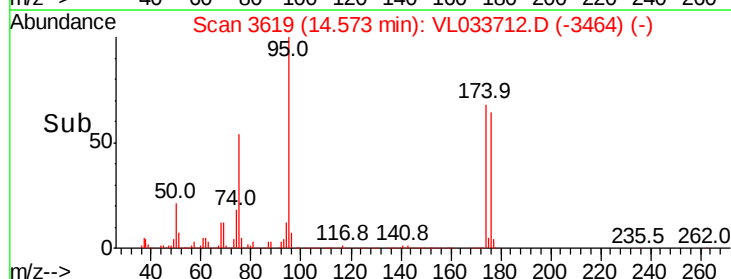
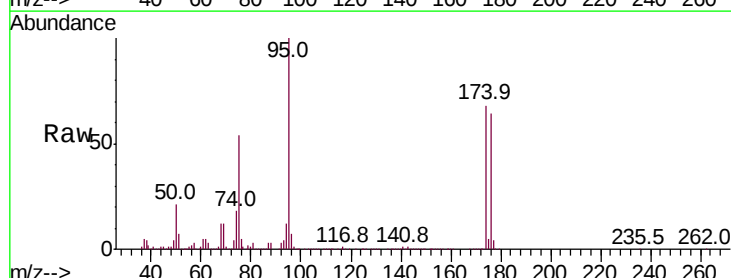
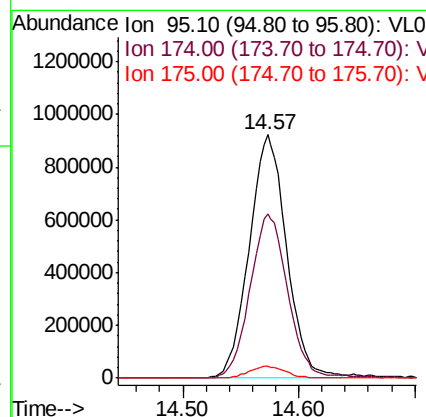
RT: 14.57 min Scan# 3619

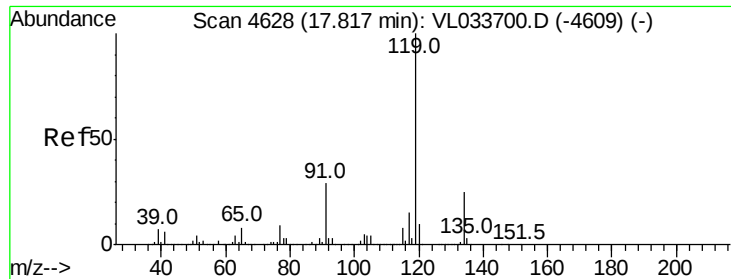
Delta R.T. -0.00 min

Lab File: VL033712.D

Acq: 17 May 2019 12:02

Tgt Ion:	95	Resp:	2064171
Ion Ratio	Lower	Upper	
95	100		
174	68.6	53.9	80.9
175	4.7	3.8	5.8





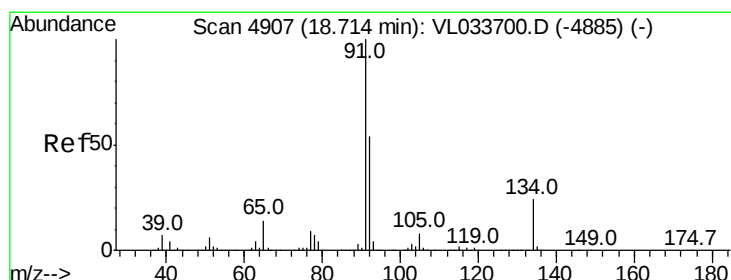
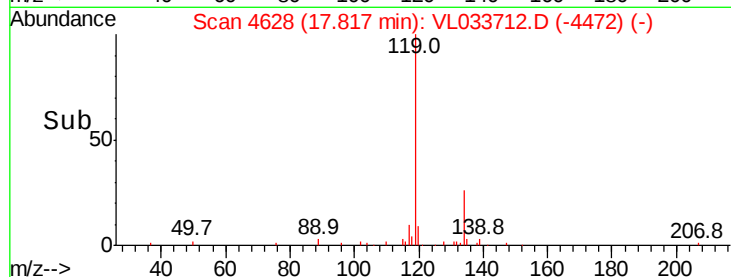
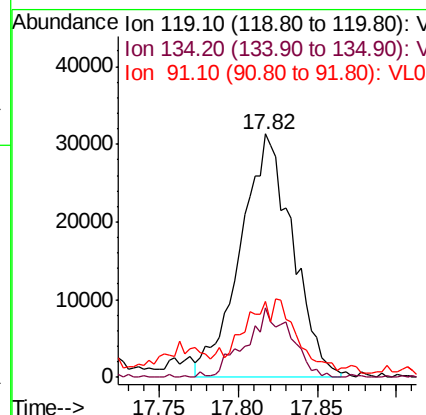
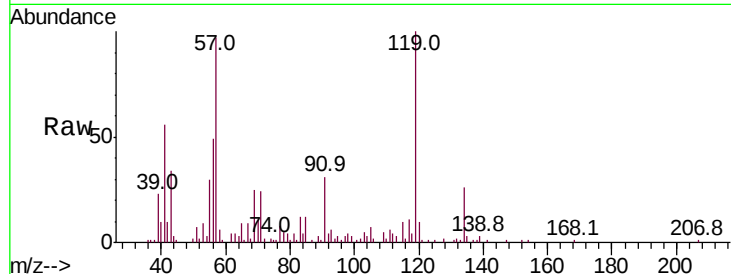
#69
 p-Isopropyltoluene
 Concen: 0.187 ppbv m
 RT: 17.82 min Scan# 4628
 Delta R.T. 0.00 min
 Lab File: VL033712.D
 Acq: 17 May 2019 12:02

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-02

Tot Ion	Ratio	Resp Lower	Upper
119	100		
134	24.5	20.3	30.5
91	0.0	23.1	34.7#

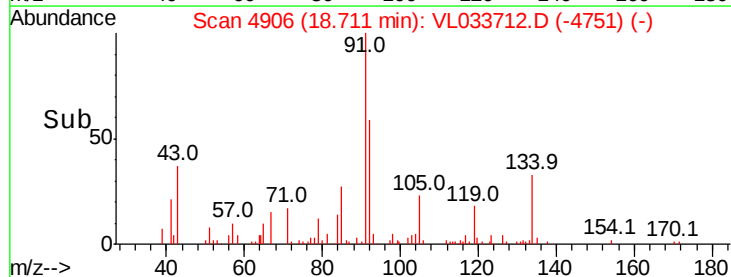
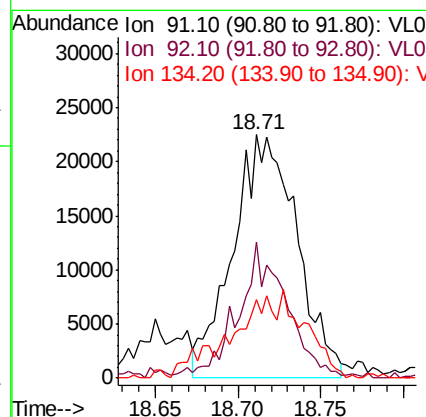
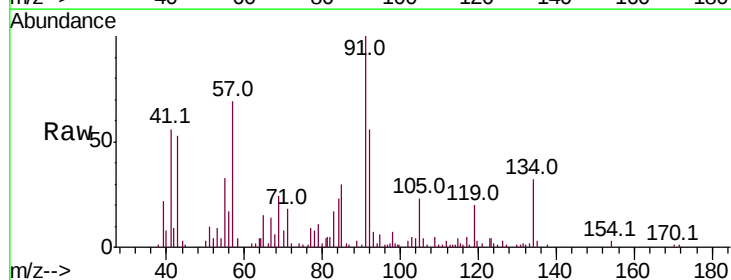
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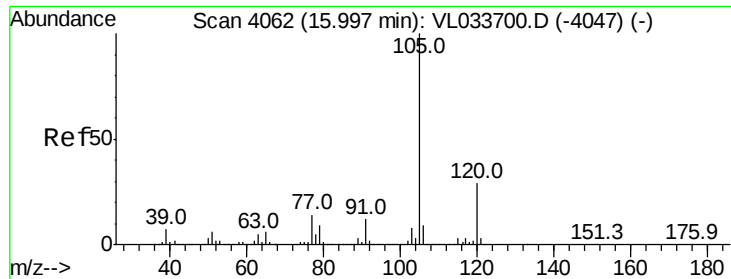
MMDadoda
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#70
 n-Butylbenzene
 Concen: 0.148 ppbv m
 RT: 18.71 min Scan# 4906
 Delta R.T. -0.00 min
 Lab File: VL033712.D
 Acq: 17 May 2019 12:02

Tgt Ion	Ratio	Resp Lower	Upper
91	100		
92	43.6	42.6	63.8
134	0.0	18.1	27.1#





#72

4-Ethyltoluene

Concen: 0.252 ppbv m

RT: 15.99 min Scan# 4060

Delta R.T. -0.01 min

Lab File: VL033712.D

Acq: 17 May 2019 12:02

Instrument :

MSVOA_L

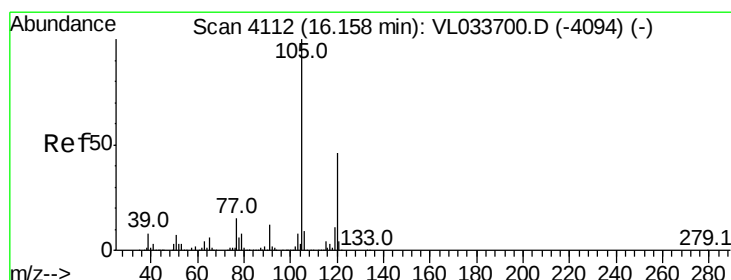
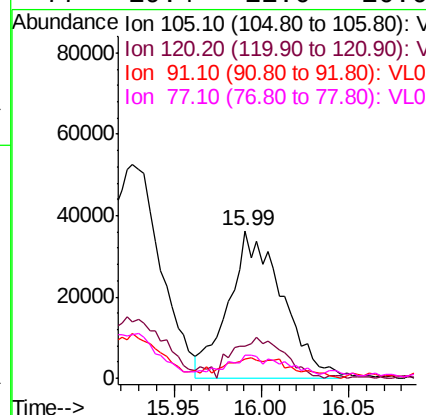
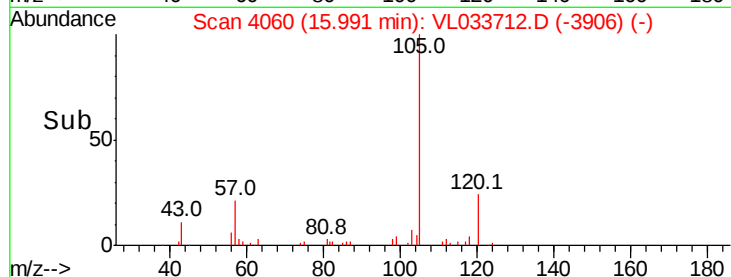
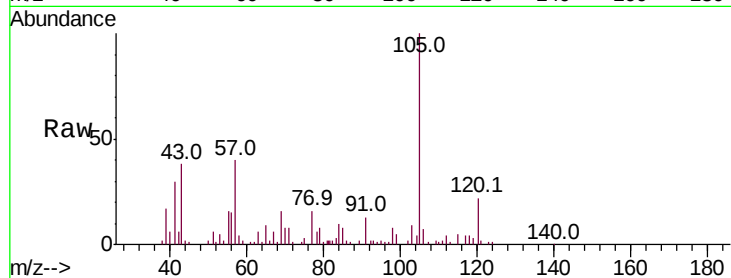
ClientSampleId :

SV-02

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.0	23.1	34.7
91	14.2	10.4	15.6
77	19.4	11.0	16.6

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#73

1,3,5-Trimethylbenzene

Concen: 0.247 ppbv m

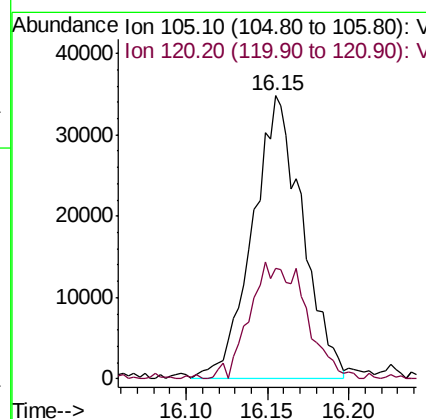
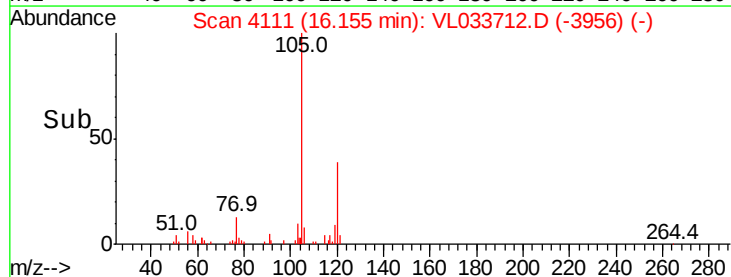
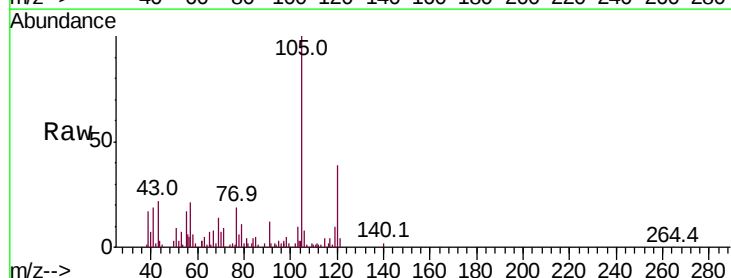
RT: 16.15 min Scan# 4111

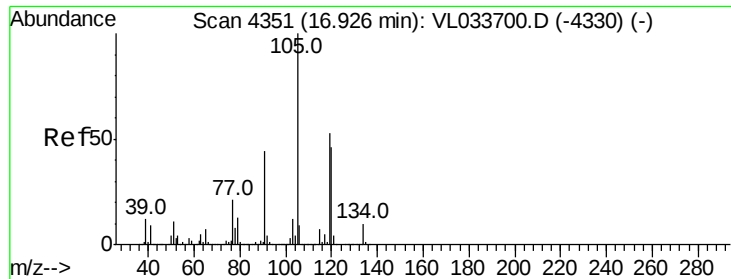
Delta R.T. -0.00 min

Lab File: VL033712.D

Acq: 17 May 2019 12:02

Tgt Ion	Ratio	Lower	Upper
105	100		
120	39.0	37.0	55.4





#74

1,2,4-Trimethylbenzene

Concen: 0.535 ppbv

RT: 16.92 min Scan# 4350

Delta R.T. -0.00 min

Lab File: VL033712.D

Acq: 17 May 2019 12:02

Instrument :

MSVOA_L

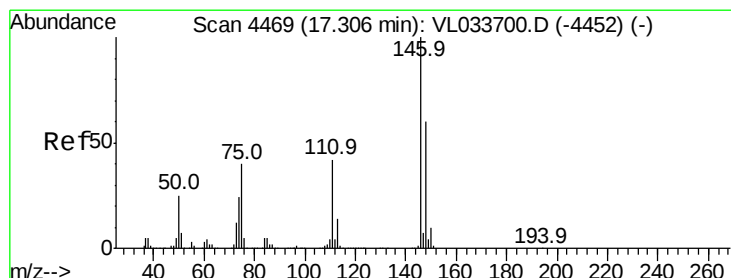
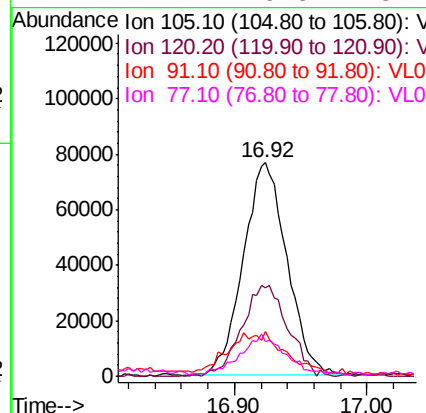
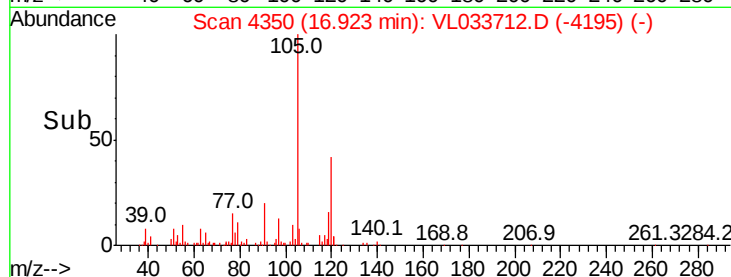
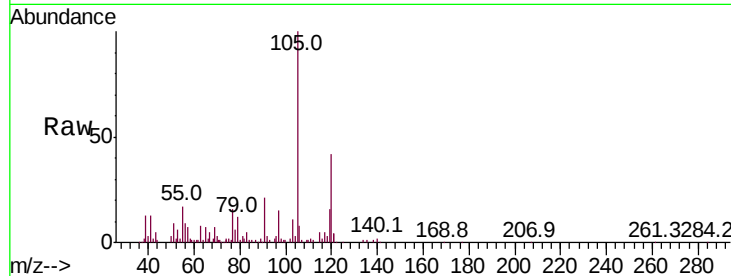
ClientSampleId :

SV-02

Tot Ion	Ratio	Resp	Lower	Upper
105	100			
120	45.7	36.8	55.2	
91	18.8	35.4	53.0	
77	14.7	16.8	25.2	

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#76

1,4-Dichlorobenzene

Concen: 0.398 ppbv

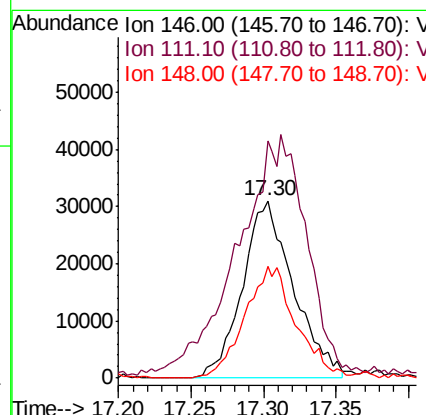
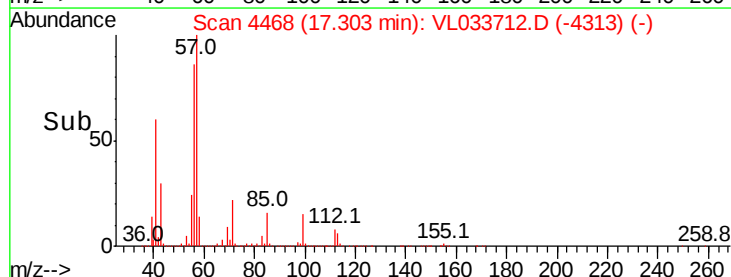
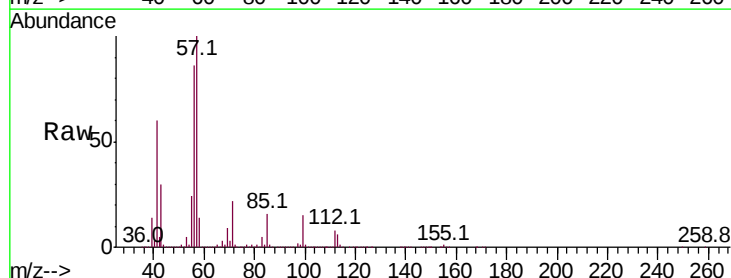
RT: 17.30 min Scan# 4468

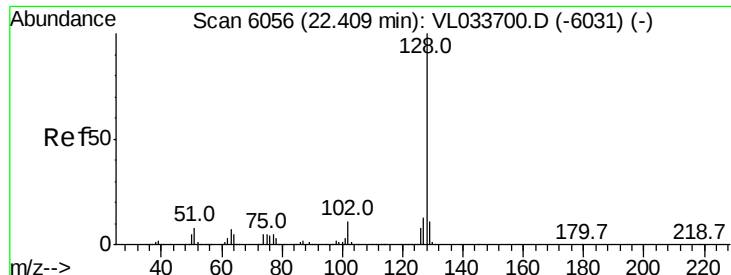
Delta R.T. -0.00 min

Lab File: VL033712.D

Acq: 17 May 2019 12:02

Tgt Ion	Ratio	Resp	Lower	Upper
146	100			
111	186.8	21.9	65.8	
148	64.5	32.1	96.3	





#79

Naphthalene

Concen: 0.248 ppbv m

RT: 22.41 min Scan# 6057

Delta R.T. 0.00 min

Lab File: VL033712.D

Acq: 17 May 2019 12:02

Instrument :

MSVOA_L

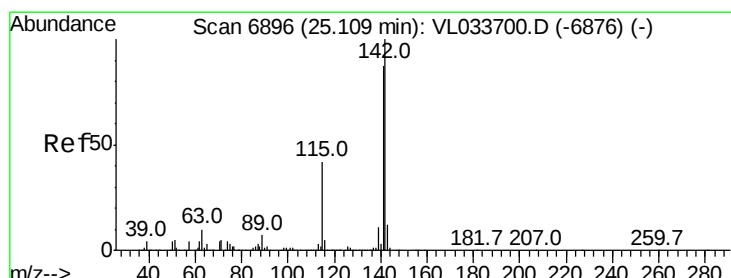
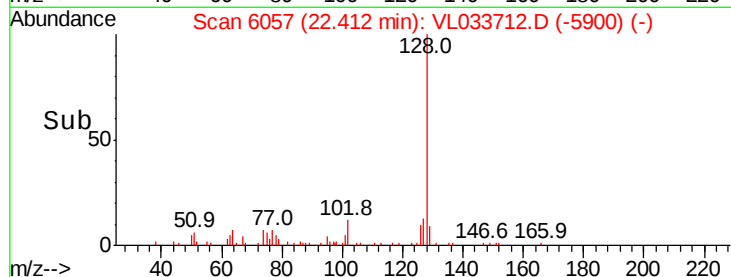
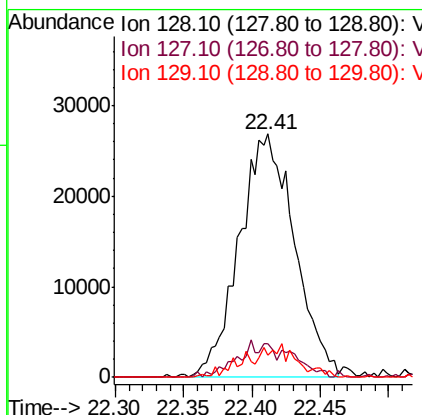
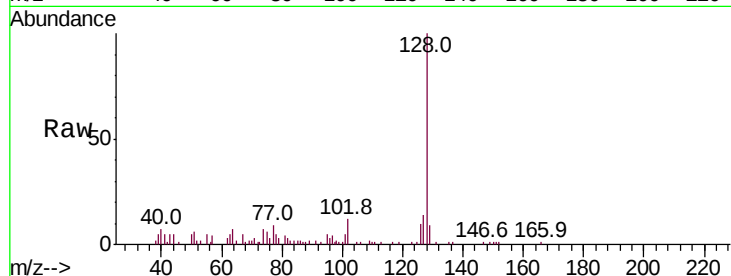
ClientSampled :

SV-02

Tot Ion:	128	Resp:	75360
Ion Ratio	Lower	Upper	
128	100		
127	14.0	10.6	16.0
129	9.1	8.9	13.3

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#80

Naphthalene, 2-methyl-

Concen: 0.162 ppbv

RT: 25.11 min Scan# 6897

Delta R.T. 0.00 min

Lab File: VL033712.D

Acq: 17 May 2019 12:02

Tgt Ion:	142	Resp:	18701
Ion Ratio	Lower	Upper	
142	100		
141	83.6	67.2	100.8
115	48.6	34.1	51.1

