

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051719\
 Data File : VL033716.D
 Acq On : 17 May 2019 14:44
 Operator : SY/AP
 Sample : K2893-02DUP
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-02DUP

Manual Integrations
 APPROVED

MMDadoda
 5/20/2019 12:06:17 PM

Quant Time: May 18 01:30:13 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	1070803	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2725983	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2438286	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	2097162	10.61	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.08	85	63330	0.281	ppbv	97
4) Chloromethane	3.17	50	19269	0.275	ppbv #	88
6) Bromomethane	3.51	94	4418m	0.101	ppbv	
9) Propene	3.05	41	1792773m	34.364	ppbv	
10) Heptane	8.25	43	742156	5.024	ppbv	100
11) Trichlorofluoromethane	4.01	101	77512	0.360	ppbv	97
13) Ethanol	3.66	45	893360	52.980	ppbv	100
15) Acetone	3.89	43	4026868	27.104	ppbv	92
17) tert-Butyl alcohol	4.37	59	109126	0.908	ppbv #	72
20) Methylene Chloride	4.41	84	216384	3.783	ppbv	98
26) Hexane	5.78	57	1107234	9.869	ppbv #	48
27) Carbon Disulfide	4.62	76	658434	4.278	ppbv	97
29) Chloroform	5.85	83	27376	0.132	ppbv	98
30) Cyclohexane	7.25	84	245739	2.605	ppbv	87
32) 1,1,1-Trichloroethane	6.61	97	6627m	0.032	ppbv	
34) 2-Butanone	5.33	43	464022	2.746	ppbv	96
35) Carbon Tetrachloride	7.13	117	14015m	0.064	ppbv	
36) Benzene	7.00	78	820785	3.310	ppbv	96
37) 1,2-Dichloroethane	6.41	62	15233m	0.095	ppbv	
38) Trichloroethene	7.96	130	4889m	0.053	ppbv	
41) Tetrahydrofuran	6.15	42	226826	2.396	ppbv	98
44) 2,2,4-Trimethylpentane	7.99	57	64266	0.153	ppbv #	1
50) 4-Methyl-2-Pentanone	8.87	43	99023	0.381	ppbv	96
52) Tetrachloroethene	11.37	164	32281	0.370	ppbv	95
53) Toluene	9.95	91	3891878	14.551	ppbv	99
58) Ethyl Benzene	12.86	91	4040105	12.512	ppbv	99
59) m/p-Xylene	13.12	91	9542638	33.808	ppbv	96
60) o-Xylene	13.85	91	2502366	8.795	ppbv	99
61) Styrene	13.69	104	54131m	0.283	ppbv	
62) Isopropylbenzene	14.82	105	68574	0.179	ppbv	96
64) n-propylbenzene	15.72	120	14509m	0.146	ppbv	
65) tert-Butylbenzene	16.91	119	31803m	0.091	ppbv	
69) p-Isopropyltoluene	17.82	119	55554	0.137	ppbv #	87
70) n-Butylbenzene	18.72	91	43792m	0.101	ppbv	
72) 4-Ethyltoluene	16.00	105	63871	0.196	ppbv #	93
73) 1,3,5-Trimethylbenzene	16.15	105	68282	0.215	ppbv	89
74) 1,2,4-Trimethylbenzene	16.93	105	165278	0.478	ppbv #	78
76) 1,4-Dichlorobenzene	17.30	146	68521	0.341	ppbv #	1
79) Naphthalene	22.41	128	64331m	0.200	ppbv	
80) Naphthalene,2-methyl-	25.11	142	14028m	0.115	ppbv	

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Misc : 400ml/MSVOA L
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Instrument :
MSVOA_L
ClientSampleId :
SV-02DUP

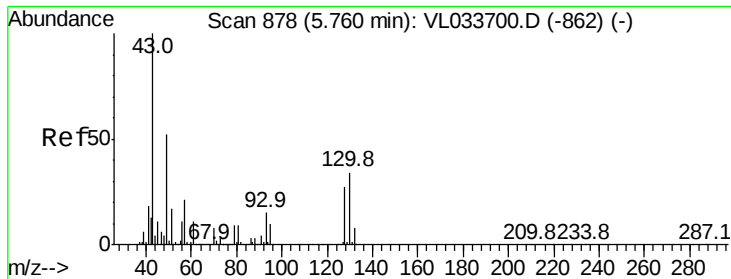
Manual Integrations
APPROVED

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5/20/2019 12:06:17 PM

Quant Time: May 18 01:30:13 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 01:30:13 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: VL033716.D

Acq: 17 May 2019 14:44

Instrument :

MSVOA_L

ClientSampleId :

SV-02DUP

Tot Ion: 49 Resp: 1070803

Ion Ratio Lower Upper

49 100

128 51.2 25.2 75.6

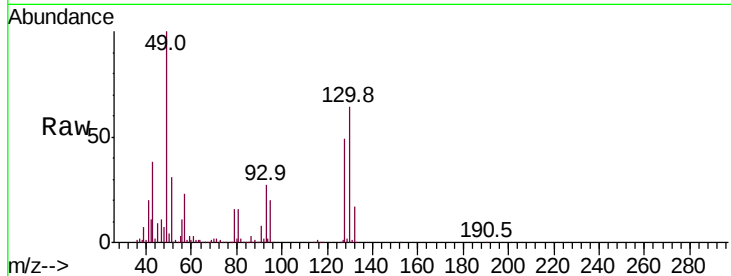
130 65.6 32.5 97.5

Manual Integrations

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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

5.76

800000

600000

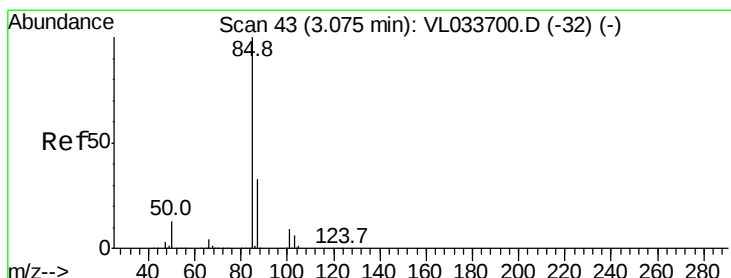
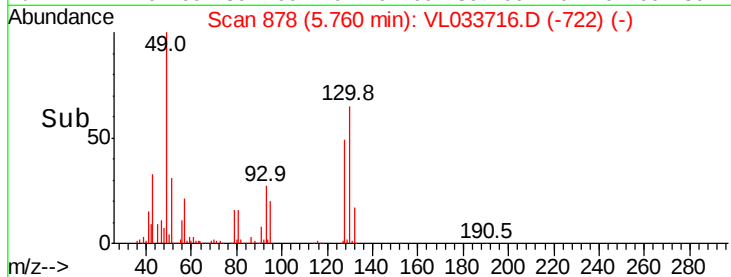
400000

200000

0

5.70 5.75 5.80 5.85

Time-->



#2

Dichlorodifluoromethane

Concen: 0.281 ppbv

RT: 3.08 min Scan# 43

Delta R.T. 0.00 min

Lab File: VL033716.D

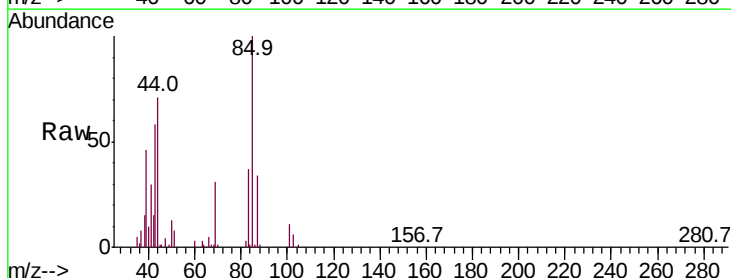
Acq: 17 May 2019 14:44

Tgt Ion: 85 Resp: 63330

Ion Ratio Lower Upper

85 100

87 34.4 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

60000

50000

40000

30000

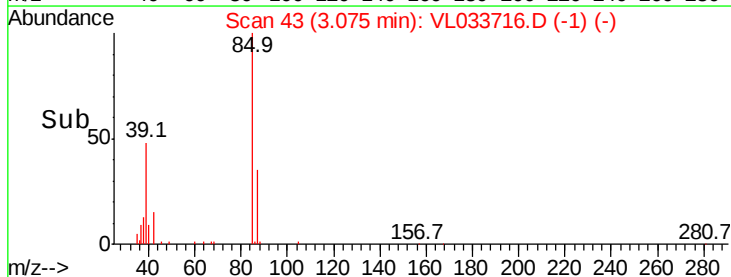
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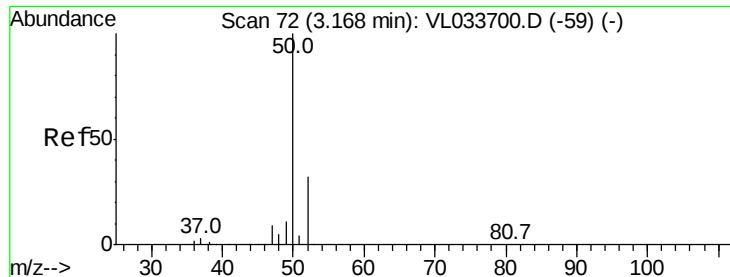
10000

0

3.05 3.10

Time-->





#4

Chloromethane

Concen: 0.275 ppbv

RT: 3.17 min Scan# 72

Delta R.T. 0.00 min

Lab File: VL033716.D

Acq: 17 May 2019 14:44

Instrument :

MSVOA_L

ClientSampleId :

SV-02DUP

Tot Ion: 50 Resp: 19269

Ion Ratio Lower Upper

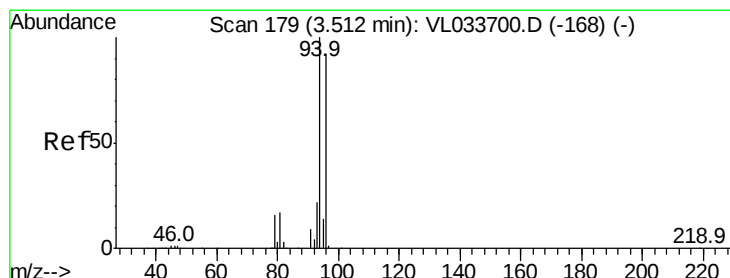
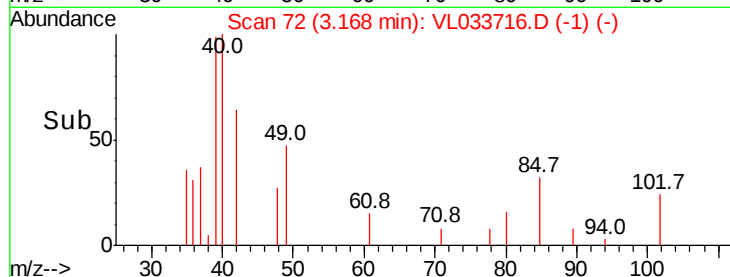
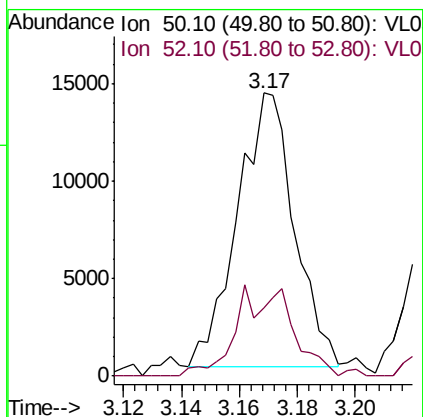
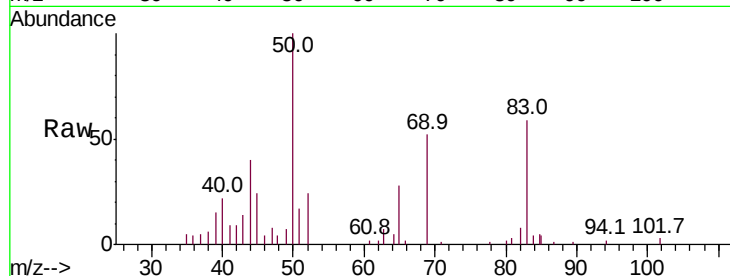
50 100

52 25.2 25.7 38.5#

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#6

Bromomethane

Concen: 0.101 ppbv m

RT: 3.51 min Scan# 177

Delta R.T. -0.01 min

Lab File: VL033716.D

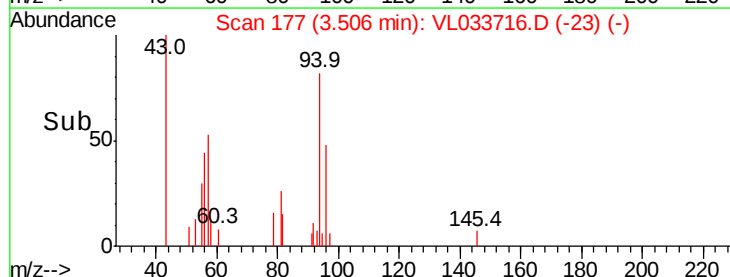
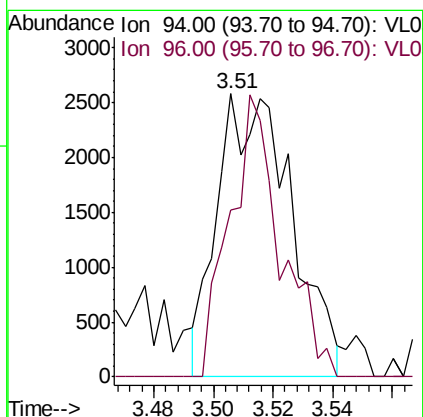
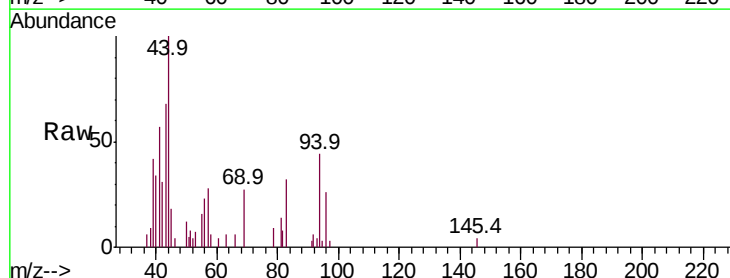
Acq: 17 May 2019 14:44

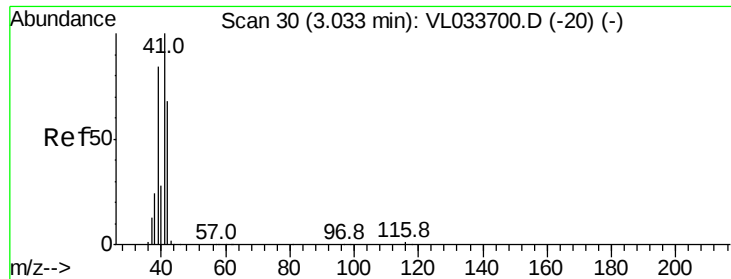
Tgt Ion: 94 Resp: 4418

Ion Ratio Lower Upper

94 100

96 59.2 73.6 110.4#





#9

Propene

Concen: 34.364 ppbv m

RT: 3.05 min Scan# 34

Delta R.T. 0.01 min

Lab File: VL033716.D

Acq: 17 May 2019 14:44

Instrument :

MSVOA_L

ClientSampled :

SV-02DUP

Tot Ion: 41 Resp: 1792773

Ion Ratio Lower Upper

41 100

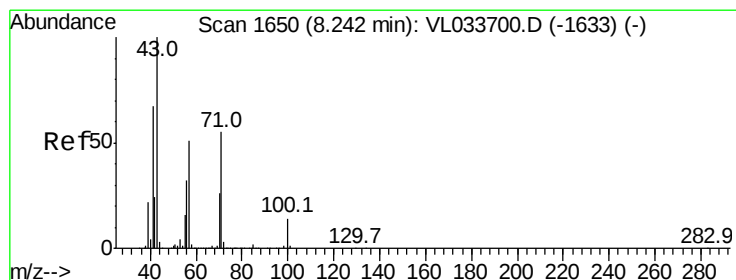
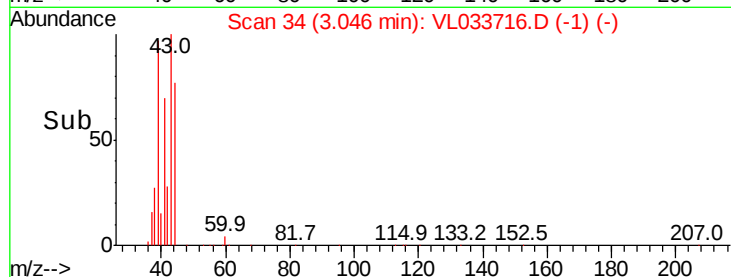
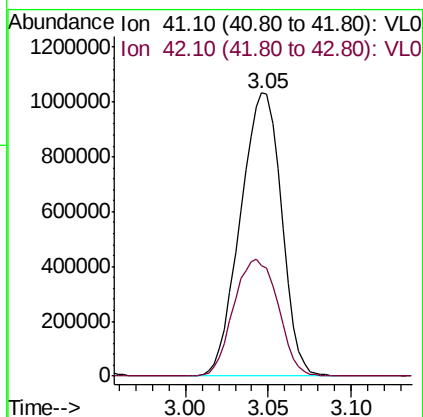
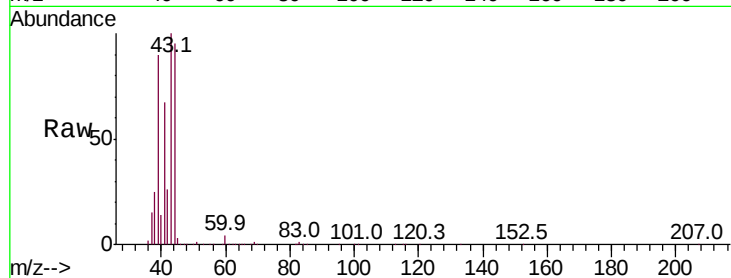
42 69.2 56.1 84.1

Manual Integrations

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#10

Heptane

Concen: 5.024 ppbv

RT: 8.25 min Scan# 1651

Delta R.T. 0.00 min

Lab File: VL033716.D

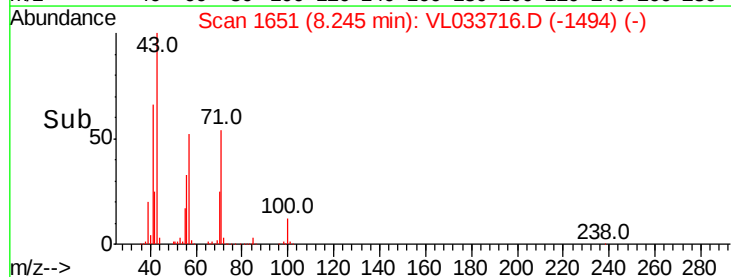
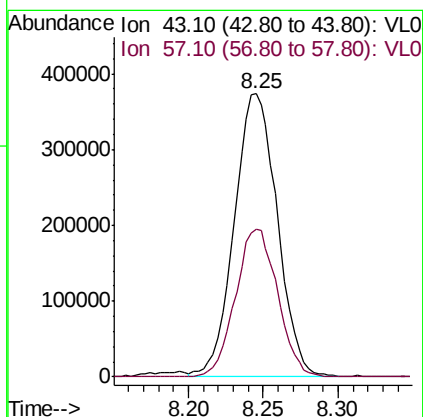
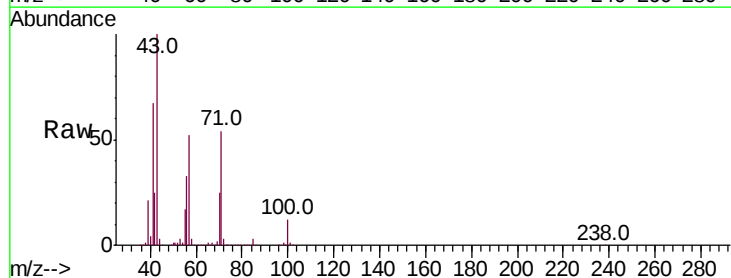
Acq: 17 May 2019 14:44

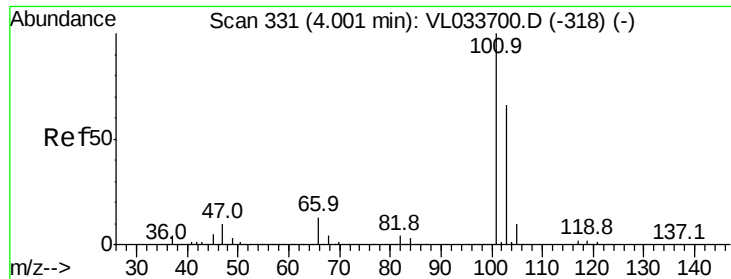
Tgt Ion: 43 Resp: 742156

Ion Ratio Lower Upper

43 100

57 51.7 41.4 62.0





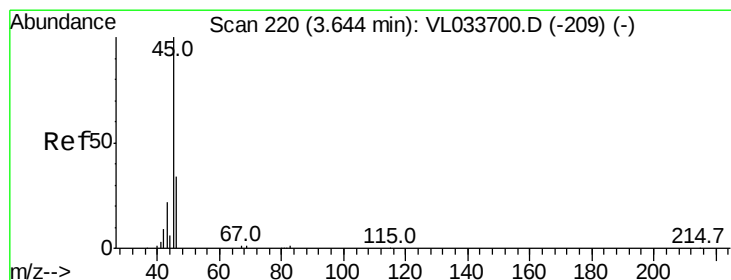
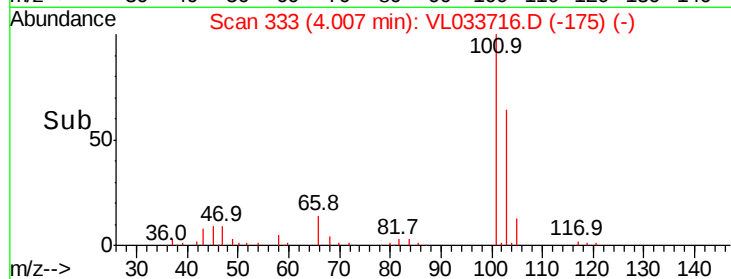
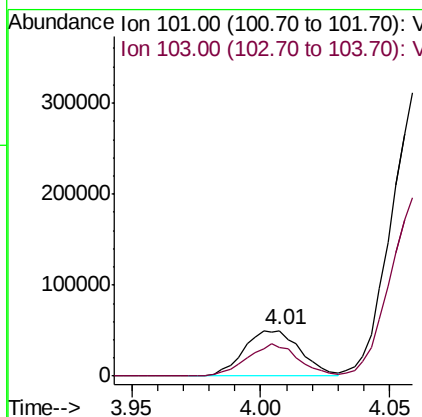
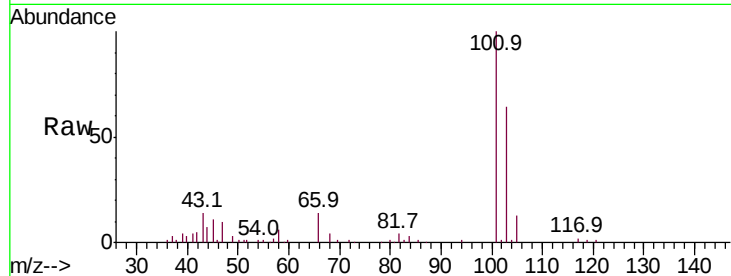
#11
 Trichlorofluoromethane
 Concen: 0.360 ppbv
 RT: 4.01 min Scan# 333
 Delta R.T. 0.01 min
 Lab File: VL033716.D
 Acq: 17 May 2019 14:44

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-02DUP

Tot Ion:101 Resp: 77512
 Ion Ratio Lower Upper
 101 100
 103 63.4 52.6 78.8

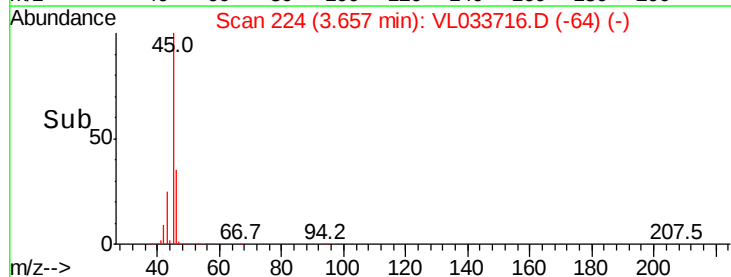
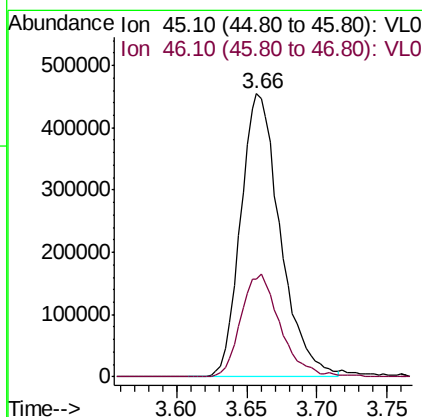
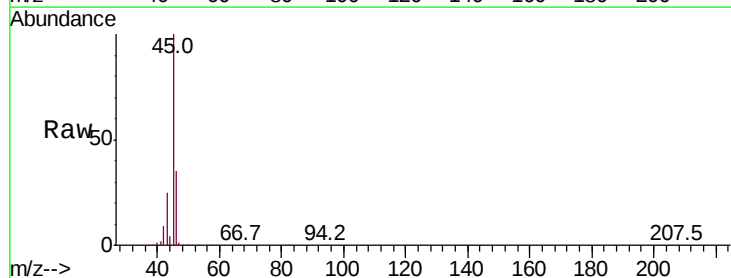
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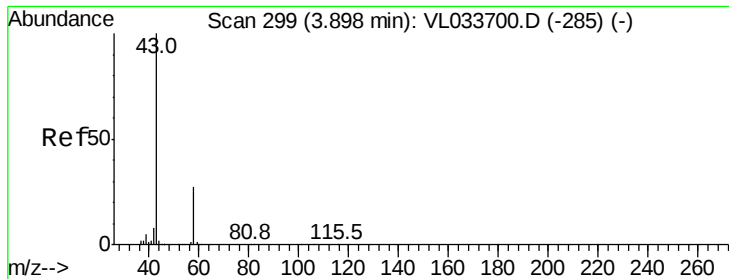
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#13
 Ethanol
 Concen: 52.980 ppbv
 RT: 3.66 min Scan# 224
 Delta R.T. 0.01 min
 Lab File: VL033716.D
 Acq: 17 May 2019 14:44

Tgt Ion: 45 Resp: 893360
 Ion Ratio Lower Upper
 45 100
 46 36.7 14.8 59.0





#15

Acetone

Concen: 27.104 ppbv

RT: 3.89 min Scan# 298

Delta R.T. -0.00 min

Lab File: VL033716.D

Acq: 17 May 2019 14:44

Instrument :

MSVOA_L

ClientSampleId :

SV-02DUP

Tot Ion: 43 Resp: 4026868

Ion Ratio Lower Upper

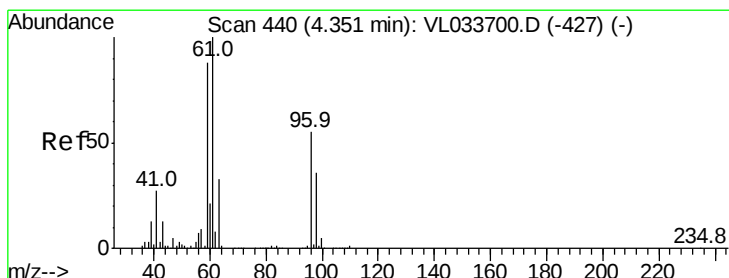
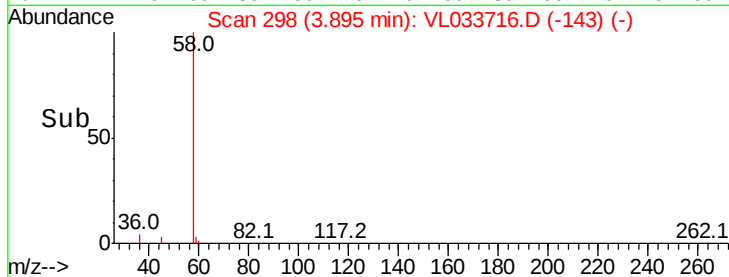
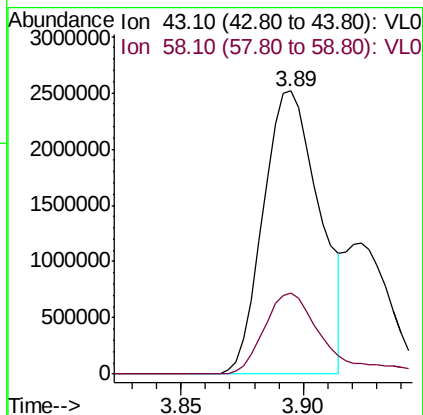
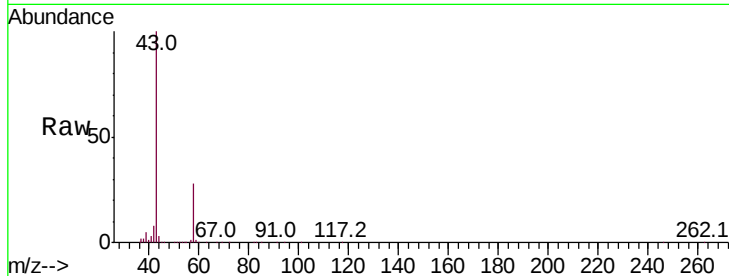
43 100

58 30.9 21.3 31.9

Manual Integrations
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#17

tert-Butyl alcohol

Concen: 0.908 ppbv

RT: 4.37 min Scan# 446

Delta R.T. 0.02 min

Lab File: VL033716.D

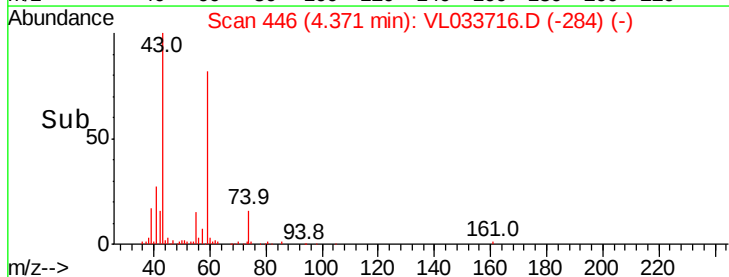
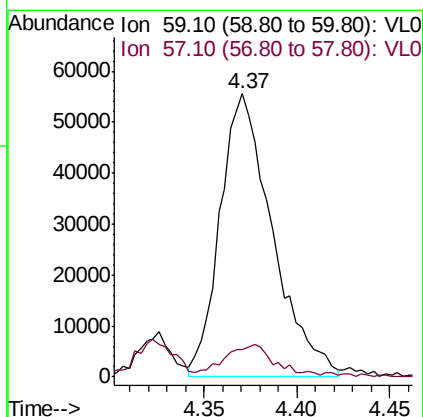
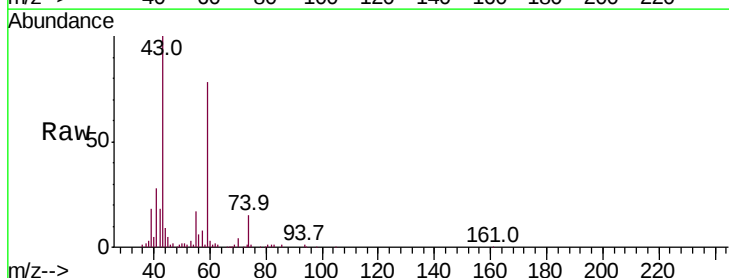
Acq: 17 May 2019 14:44

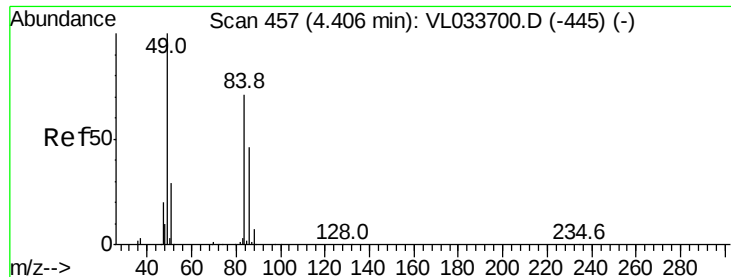
Tgt Ion: 59 Resp: 109126

Ion Ratio Lower Upper

59 100

57 0.0 8.4 12.6#





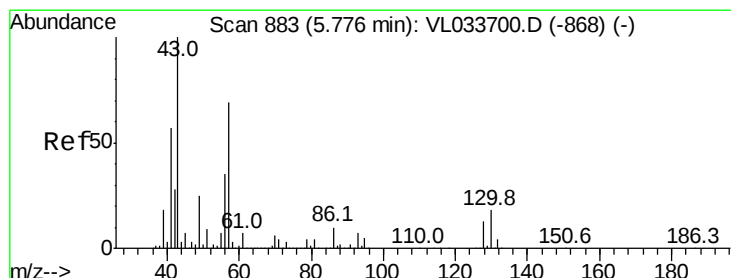
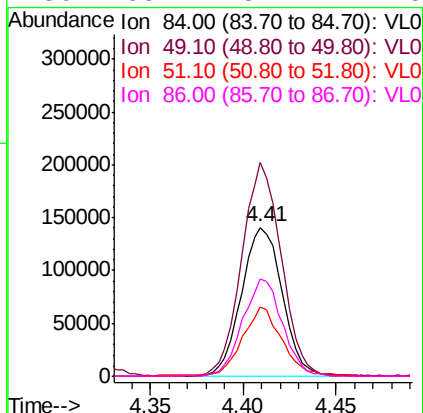
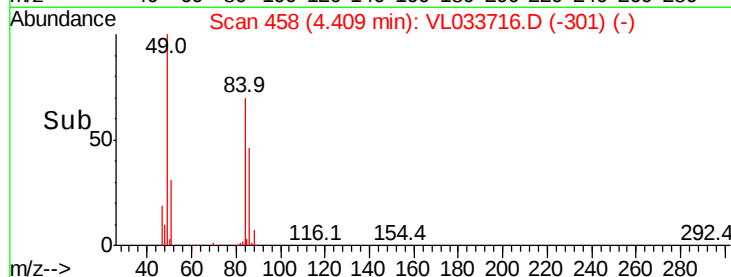
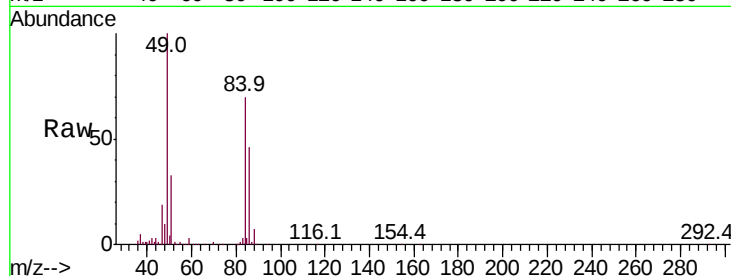
#20
Methvlene Chloride
Concen: 3.783 ppbv
RT: 4.41 min Scan# 458
Delta R.T. 0.00 min
Lab File: VL033716.D
Acq: 17 May 2019 14:44

Instrument :
MSVOA_L
ClientSampleId :
SV-02DUP

Tot Ion	84	Resp	216384
Ion	Ratio	Lower	Upper
84	100		
49	143.0	112.8	169.2
51	46.0	33.4	50.0
86	65.2	51.7	77.5

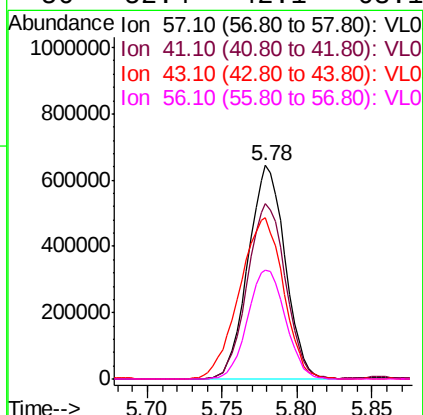
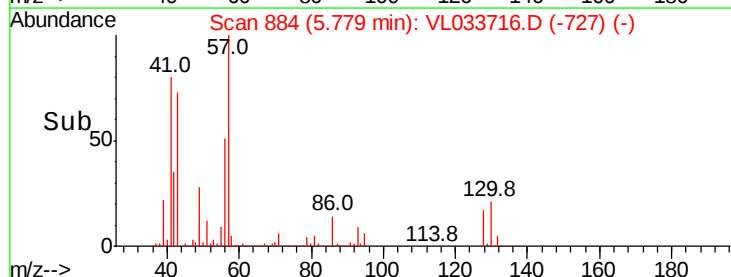
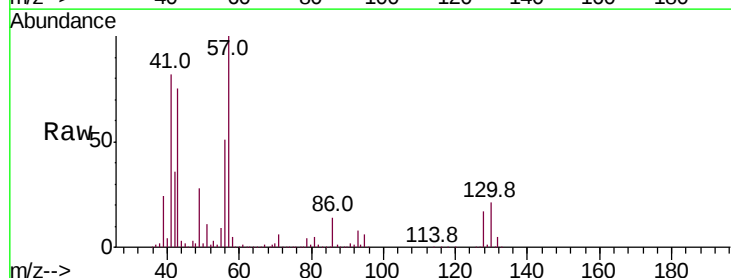
Manual Integrations
APPROVED

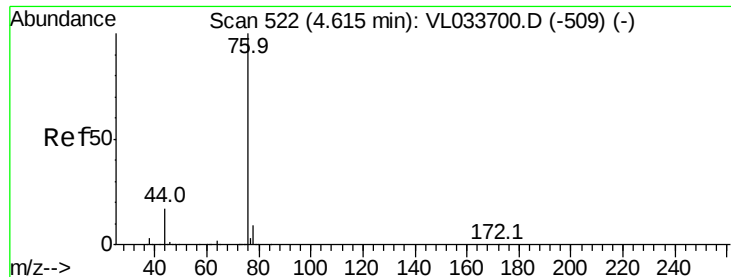
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#26
Hexane
Concen: 9.869 ppbv
RT: 5.78 min Scan# 884
Delta R.T. 0.00 min
Lab File: VL033716.D
Acq: 17 May 2019 14:44

Tgt Ion	57	Resp	1107234
Ion	Ratio	Lower	Upper
57	100		
41	85.0	69.8	104.6
43	89.8	181.8	272.6
56	52.4	42.1	63.1





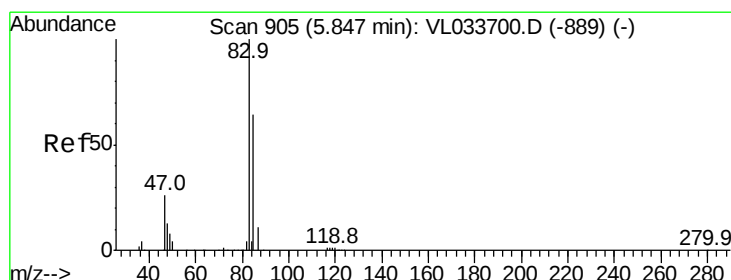
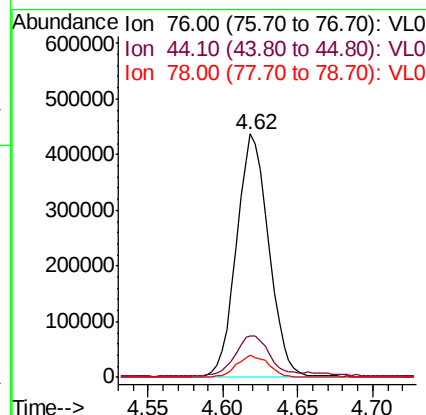
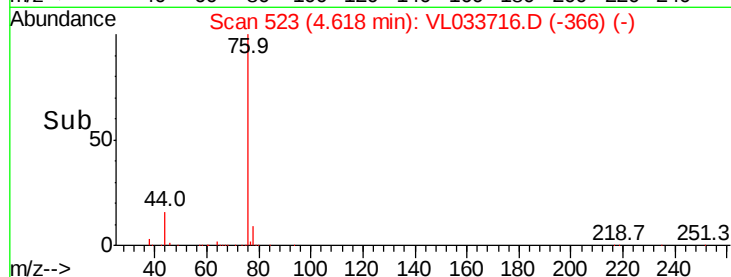
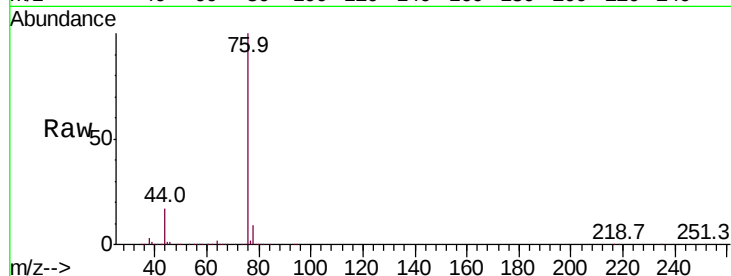
#27
Carbon Disulfide
Concen: 4.278 ppbv
RT: 4.62 min Scan# 523
Delta R.T. 0.00 min
Lab File: VL033716.D
Acq: 17 May 2019 14:44

Instrument :
MSVOA_L
ClientSampled :
SV-02DUP

Tot Ion	Ratio	Lower	Upper
76	100		
44	19.5	13.8	20.8
78	9.0	7.4	11.0

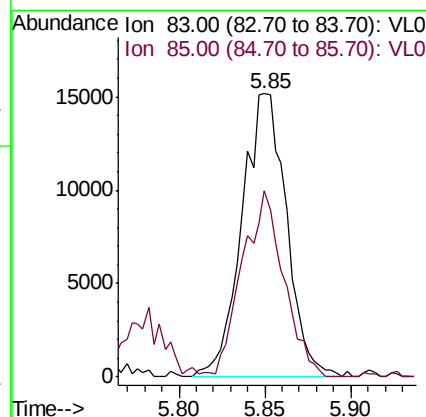
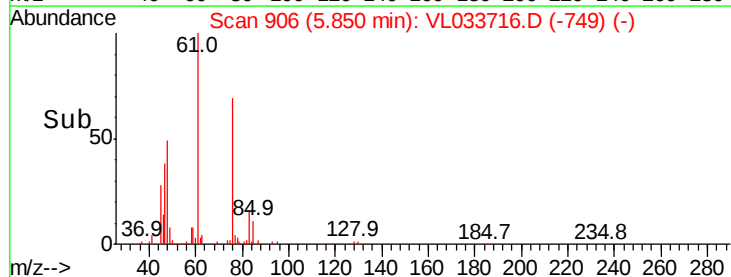
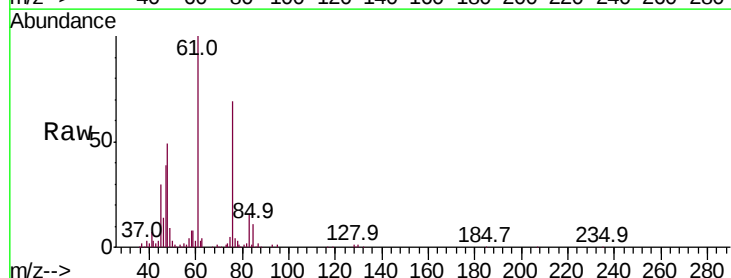
Manual Integrations
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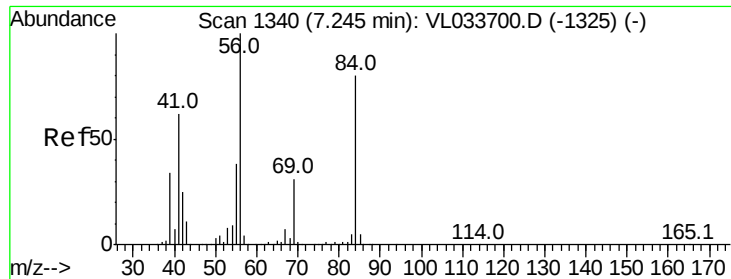
MMDadoda
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#29
Chloroform
Concen: 0.132 ppbv
RT: 5.85 min Scan# 906
Delta R.T. 0.00 min
Lab File: VL033716.D
Acq: 17 May 2019 14:44

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	51.5	77.3





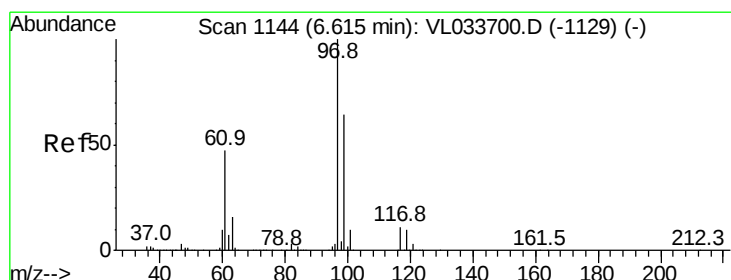
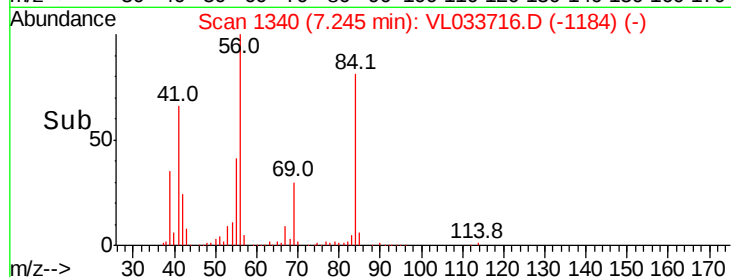
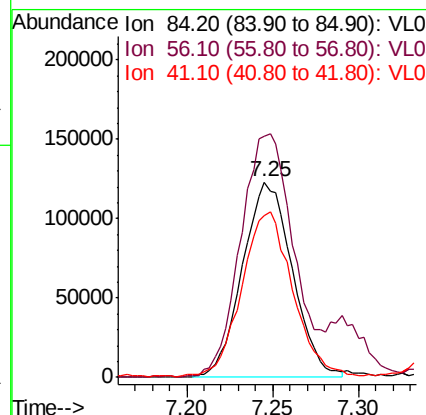
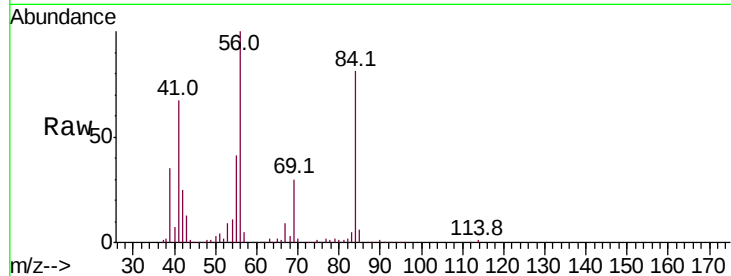
#30
Cvclohexane
Concen: 2.605 ppbv
RT: 7.25 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VL033716.D
Acq: 17 May 2019 14:44

Instrument :
MSVOA_L
ClientSampleId :
SV-02DUP

Tot Ion	Ratio	Lower	Upper
84	100		
56	157.1	107.7	161.5
41	85.9	66.0	99.0

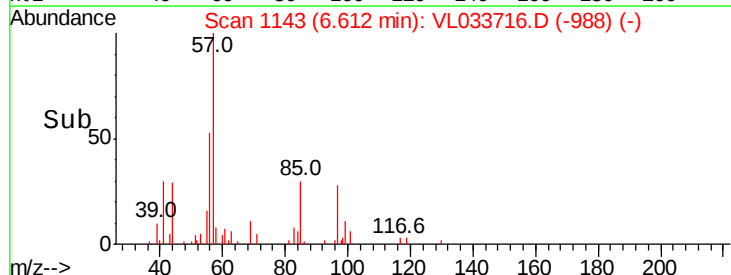
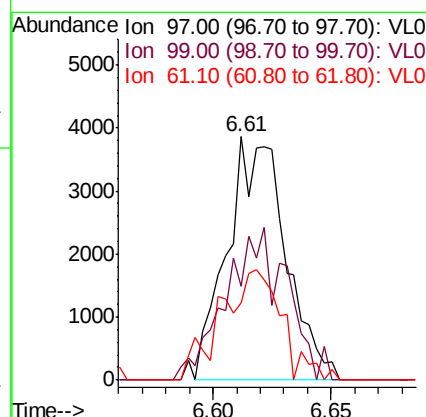
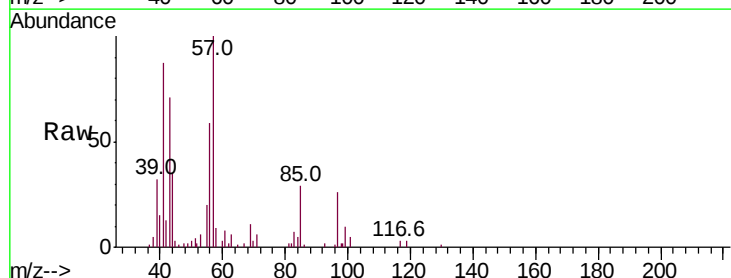
Manual Integrations
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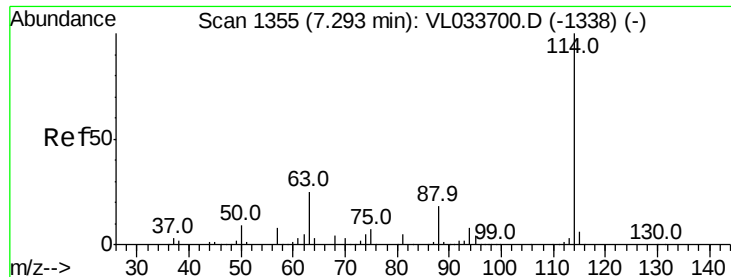
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 0.032 ppbv m
RT: 6.61 min Scan# 1143
Delta R.T. -0.00 min
Lab File: VL033716.D
Acq: 17 May 2019 14:44

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





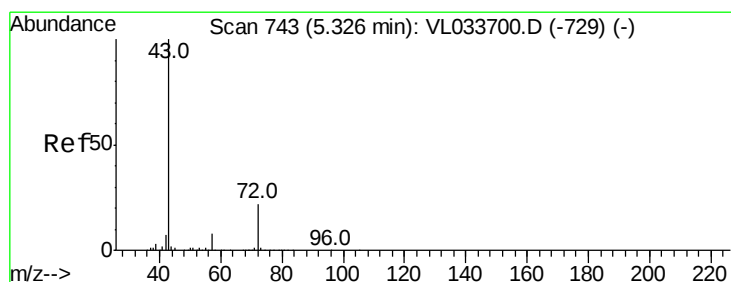
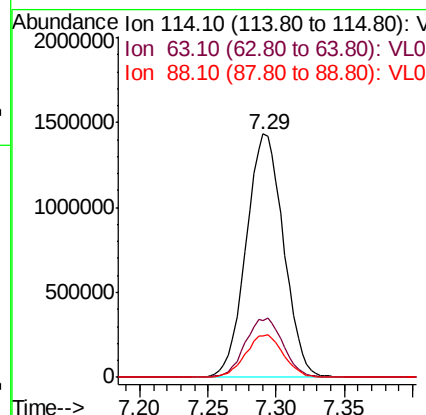
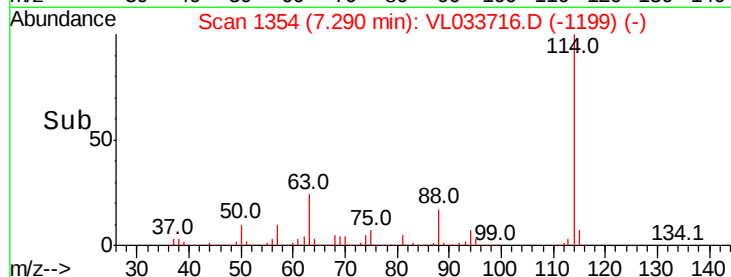
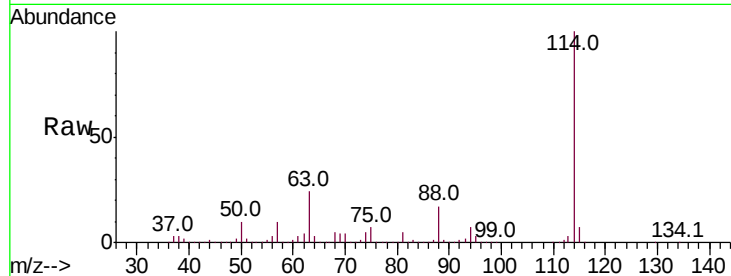
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1354
 Delta R.T. -0.00 min
 Lab File: VL033716.D
 Acq: 17 May 2019 14:44

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-02DUP

Tot Ion	Ratio	Lower	Upper
114	100		
63	24.9	20.9	31.3
88	17.5	14.3	21.5

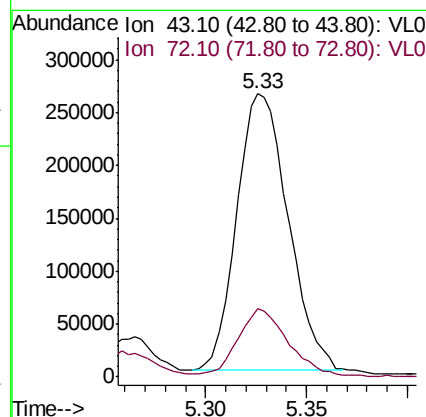
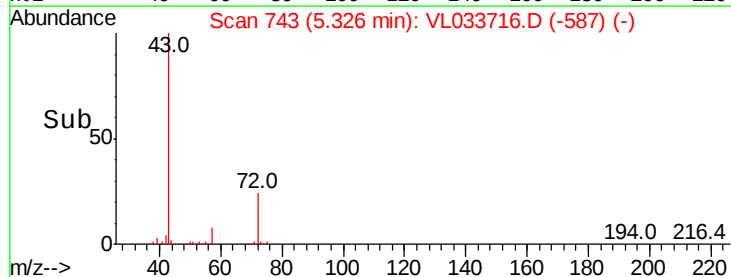
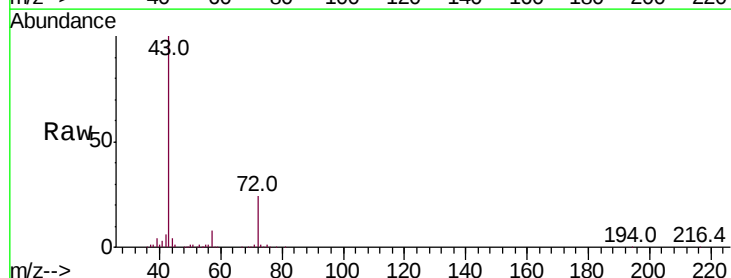
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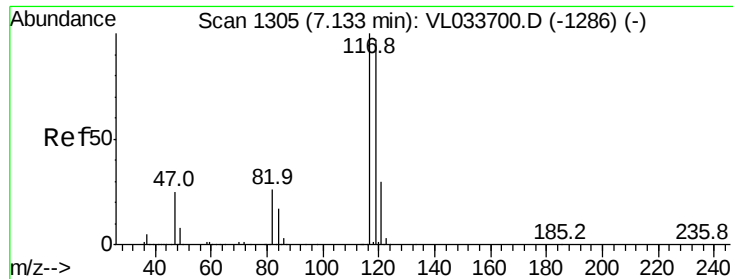
MMDadoda
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#34
 2-Butanone
 Concen: 2.746 ppbv
 RT: 5.33 min Scan# 743
 Delta R.T. 0.00 min
 Lab File: VL033716.D
 Acq: 17 May 2019 14:44

Tgt Ion	Ratio	Lower	Upper
43	100		
72	24.1	17.8	26.6





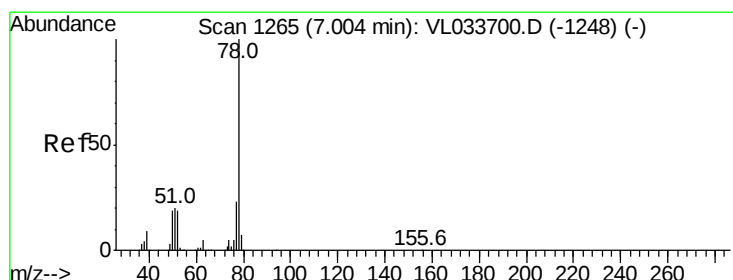
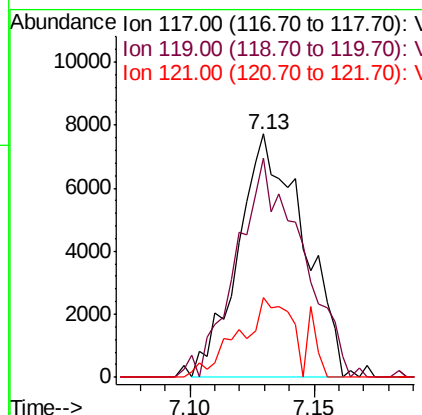
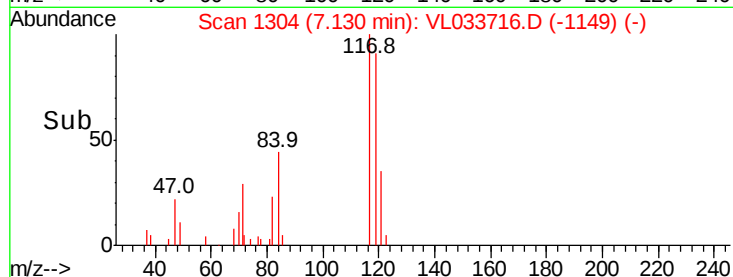
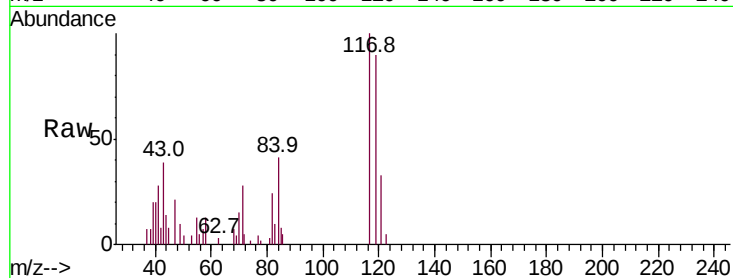
#35
Carbon Tetrachloride
Concen: 0.064 ppbv m
RT: 7.13 min Scan# 1304
Delta R.T. -0.00 min
Lab File: VL033716.D
Acq: 17 May 2019 14:44

Instrument :
MSVOA_L
ClientSampleId :
SV-02DUP

Tot Ion	Ratio	Lower	Upper
117	100		
119	89.8	77.2	115.8
121	32.8	24.1	36.1

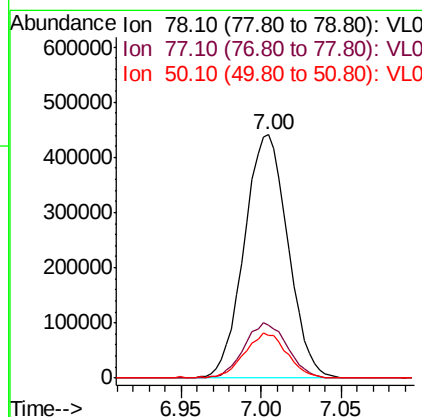
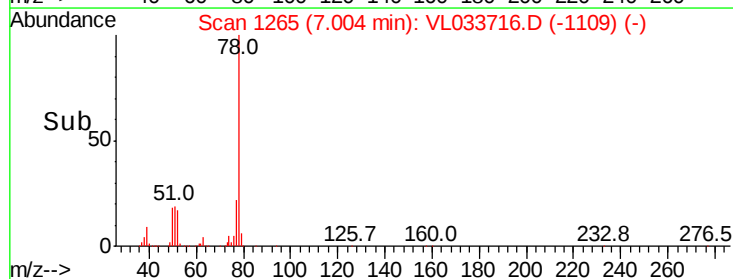
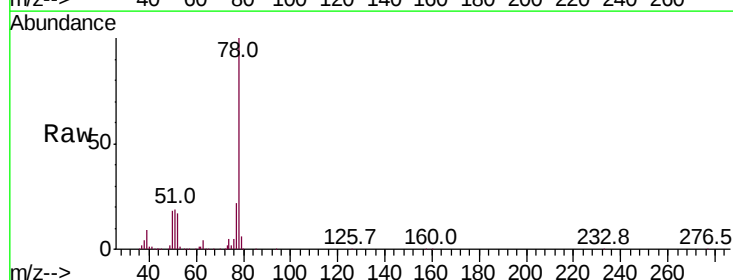
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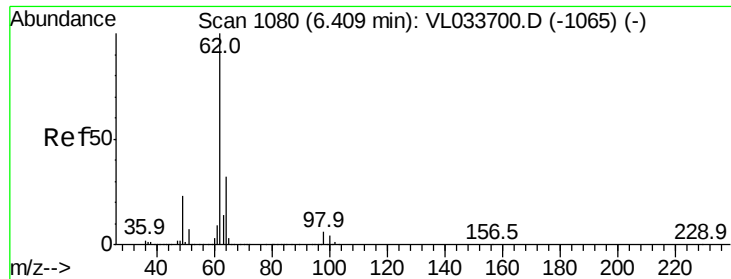
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#36
Benzene
Concen: 3.310 ppbv
RT: 7.00 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VL033716.D
Acq: 17 May 2019 14:44

Tgt Ion	Ratio	Lower	Upper
78	100		
77	21.4	18.4	27.6
50	17.5	15.5	23.3





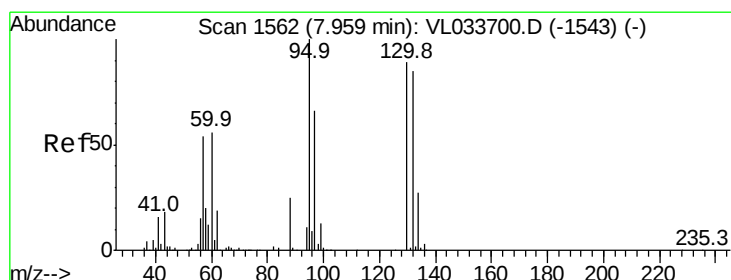
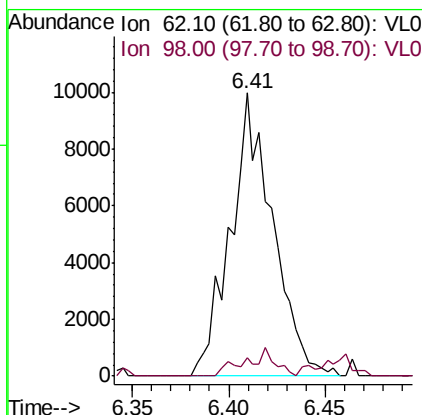
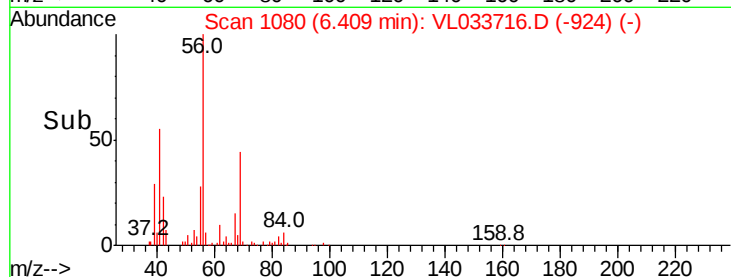
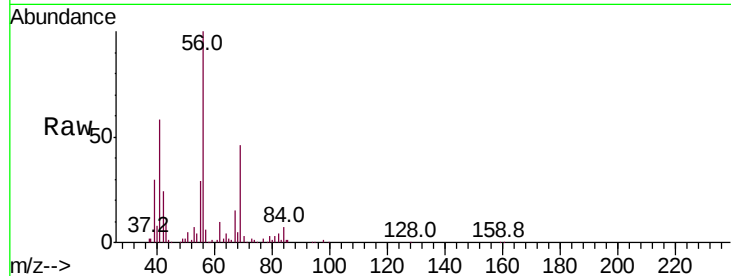
#37
 1,2-Dichloroethane
 Concen: 0.095 ppbv m
 RT: 6.41 min Scan# 1080
 Delta R.T. 0.00 min
 Lab File: VL033716.D
 Acq: 17 May 2019 14:44

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-02DUP

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

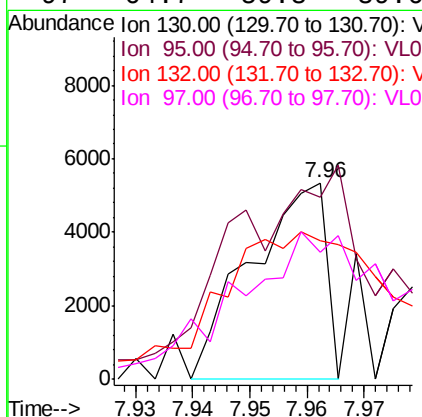
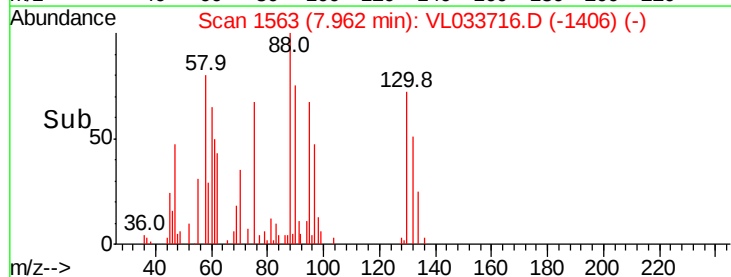
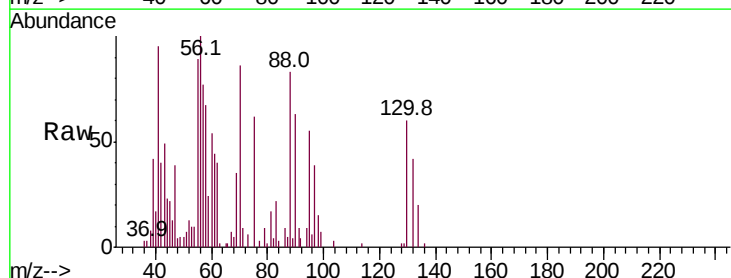
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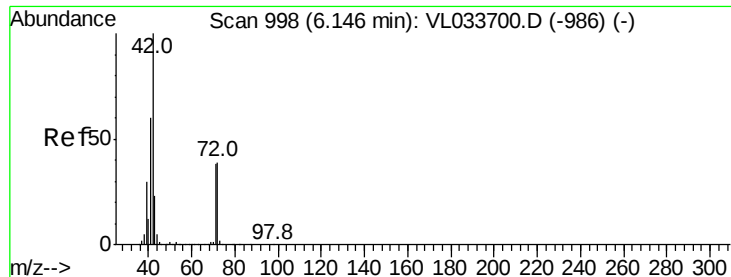
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#38
 Trichloroethene
 Concen: 0.053 ppbv m
 RT: 7.96 min Scan# 1563
 Delta R.T. 0.00 min
 Lab File: VL033716.D
 Acq: 17 May 2019 14:44

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.5	90.2	135.4
132	70.4	76.4	114.6#
97	64.7	59.8	89.6





#41

Tetrahydrofuran

Concen: 2.396 ppbv

RT: 6.15 min Scan# 999

Delta R.T. 0.00 min

Lab File: VL033716.D

Acq: 17 May 2019 14:44

Instrument :

MSVOA_L

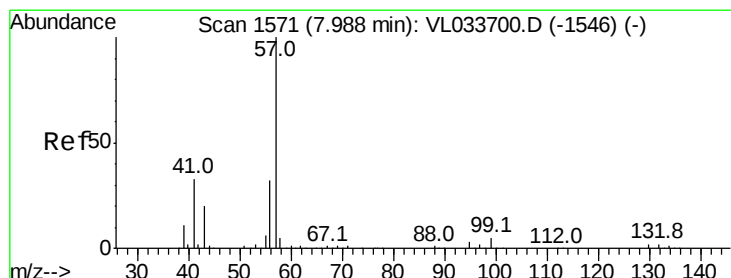
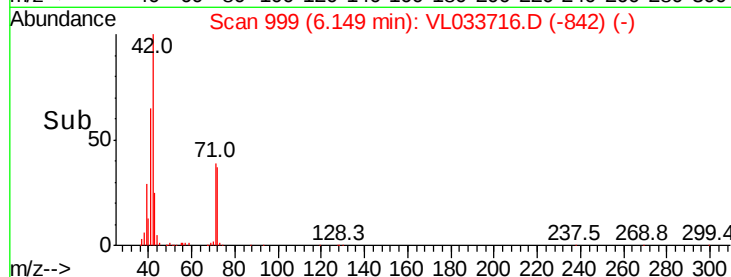
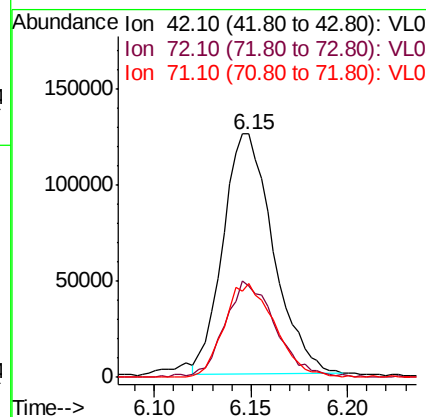
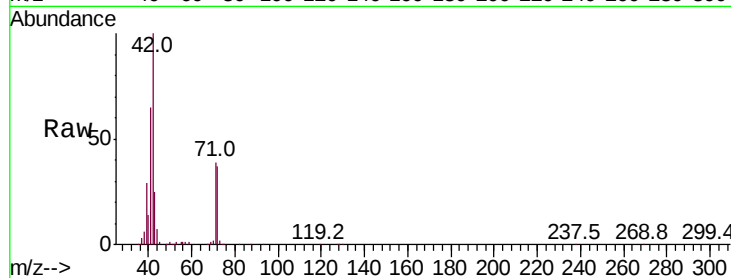
ClientSampleId :

SV-02DUP

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.5	32.0	48.0
71	39.7	30.4	45.6

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#44

2,2,4-Trimethylpentane

Concen: 0.153 ppbv

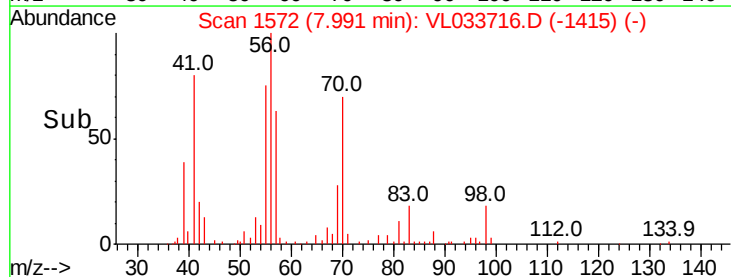
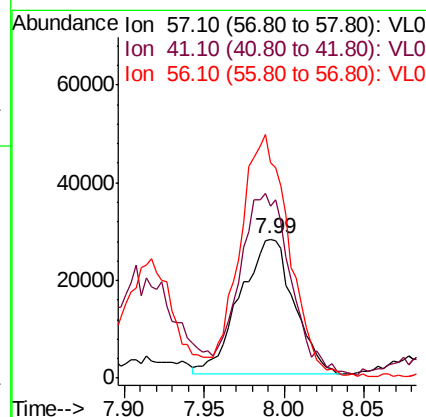
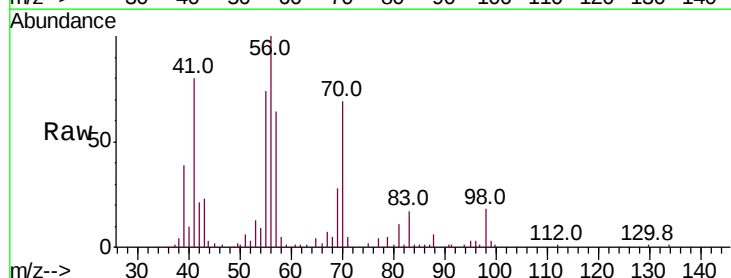
RT: 7.99 min Scan# 1572

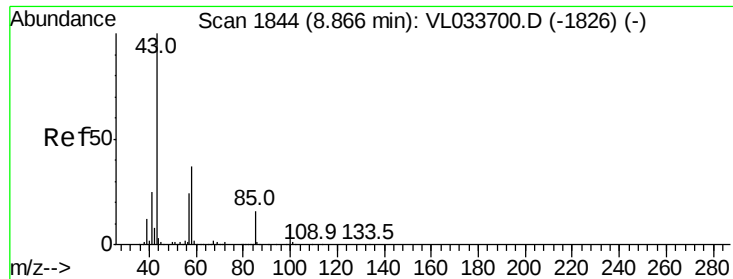
Delta R.T. 0.00 min

Lab File: VL033716.D

Acq: 17 May 2019 14:44

Tgt Ion	Ratio	Lower	Upper
57	100		
41	124.2	25.4	38.0#
56	160.3	24.7	37.1#





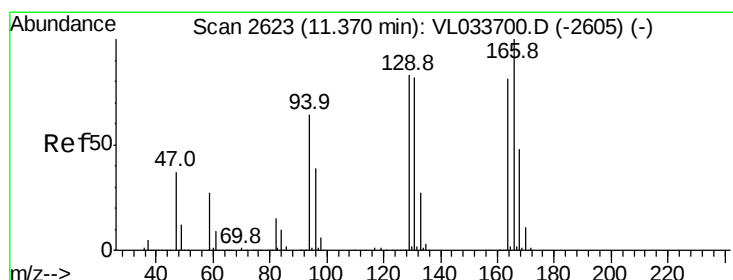
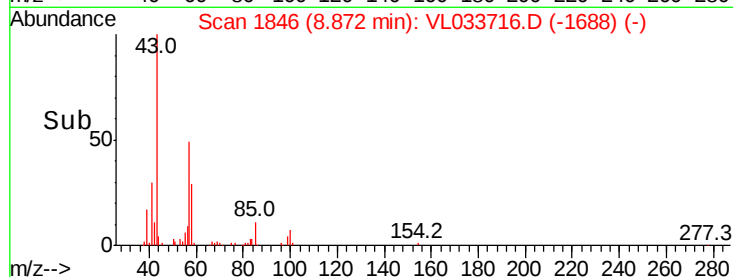
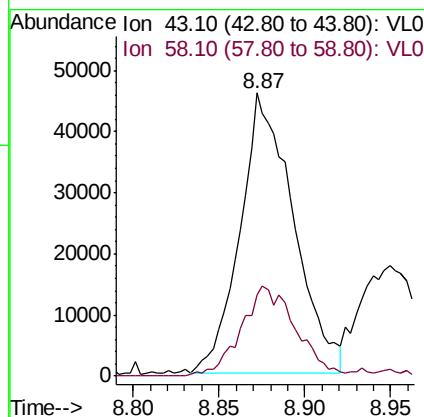
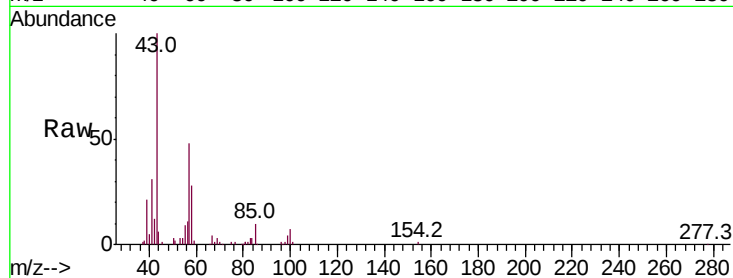
#50
4-Methyl-2-Pentanone
Concen: 0.381 ppbv
RT: 8.87 min Scan# 1846
Delta R.T. 0.01 min
Lab File: VL033716.D
Acq: 17 May 2019 14:44

Instrument :
MSVOA_L
ClientSampled :
SV-02DUP

Tot Ion: 43 Resp: 99023
Ion Ratio Lower Upper
43 100
58 33.3 28.6 43.0

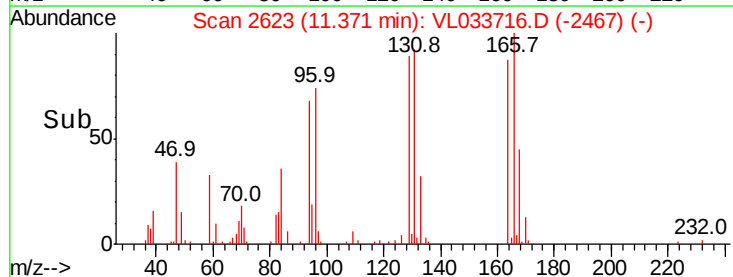
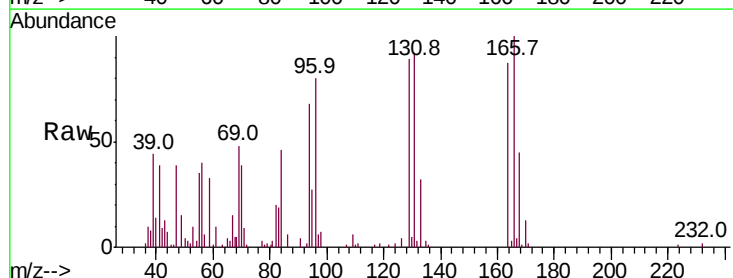
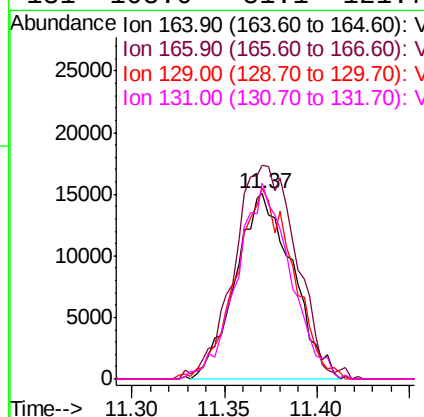
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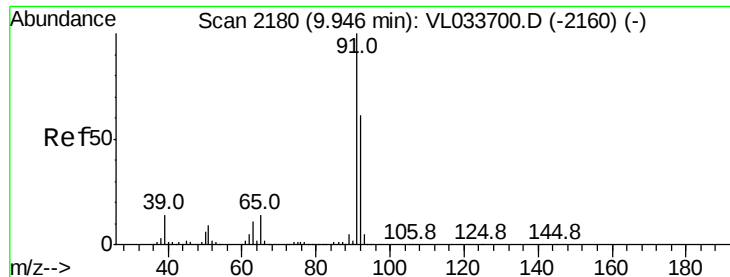
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#52
Tetrachloroethene
Concen: 0.370 ppbv
RT: 11.37 min Scan# 2623
Delta R.T. 0.00 min
Lab File: VL033716.D
Acq: 17 May 2019 14:44

Tgt Ion: 164 Resp: 32281
Ion Ratio Lower Upper
164 100
166 116.6 98.9 148.3
129 101.7 81.8 122.6
131 108.0 81.1 121.7





#53

Toluene

Concen: 14.551 ppbv

RT: 9.95 min Scan# 2180

Delta R.T. 0.00 min

Lab File: VL033716.D

Acq: 17 May 2019 14:44

Instrument :

MSVOA_L

ClientSampleId :

SV-02DUP

Tot Ion: 91 Resp: 3891878

Ion Ratio Lower Upper

91 100

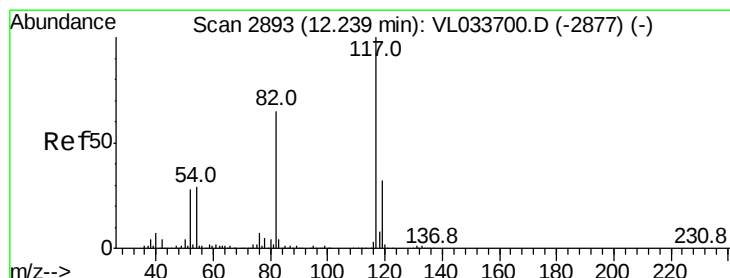
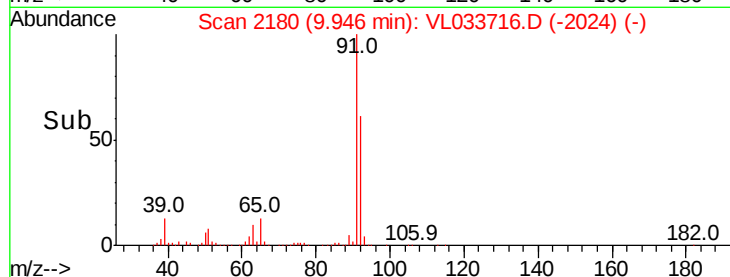
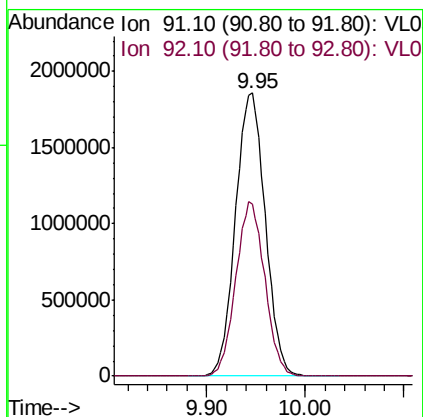
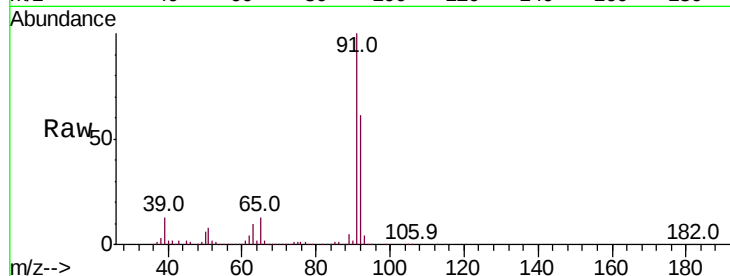
92 60.0 47.6 71.4

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.24 min Scan# 2893

Delta R.T. 0.00 min

Lab File: VL033716.D

Acq: 17 May 2019 14:44

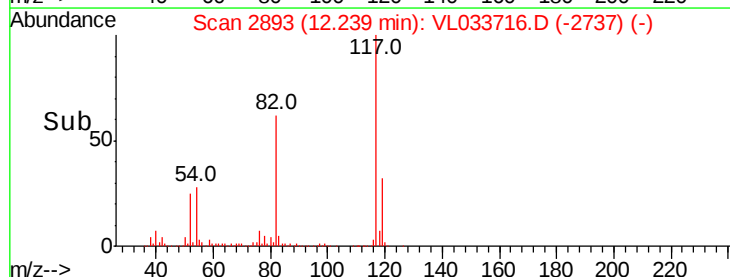
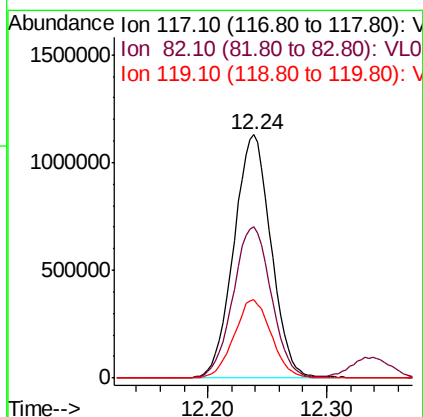
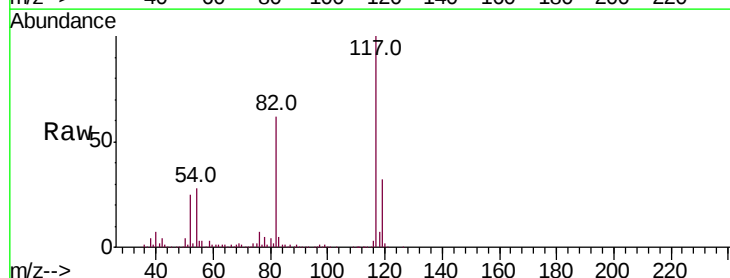
Tgt Ion: 117 Resp: 2438286

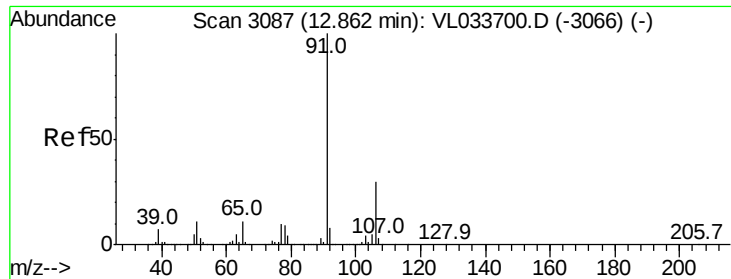
Ion Ratio Lower Upper

117 100

82 64.2 49.4 74.0

119 32.4 24.9 37.3





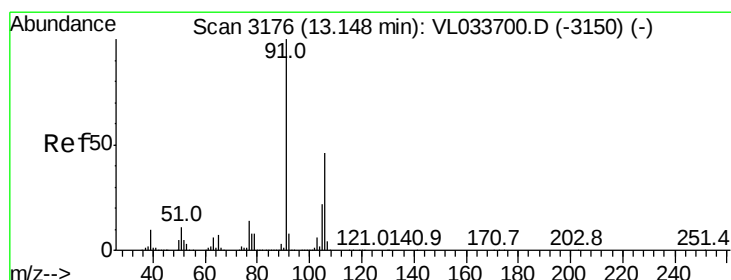
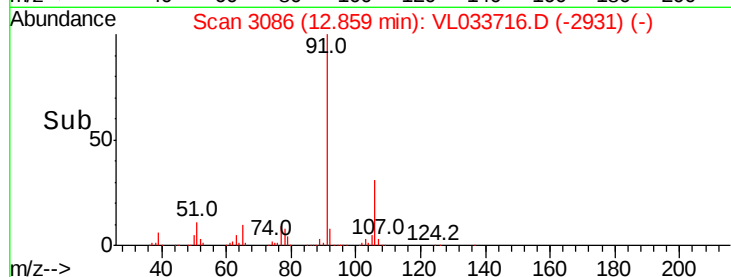
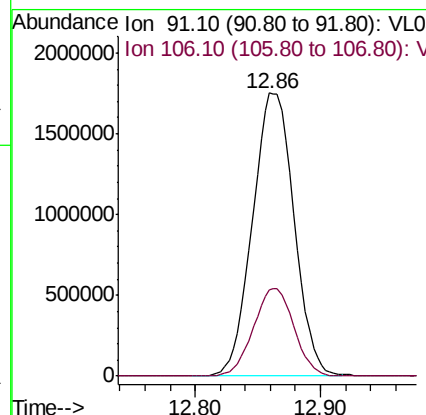
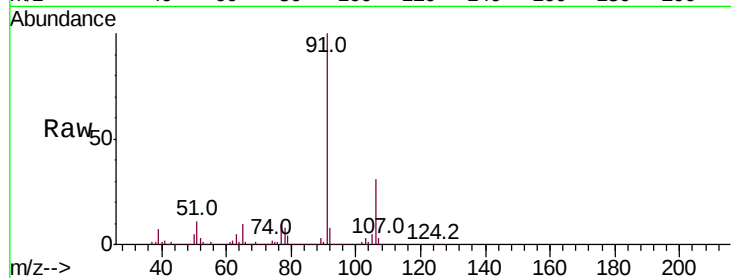
#58
Ethyl Benzene
Concen: 12.512 ppbv
RT: 12.86 min Scan# 3086
Delta R.T. -0.00 min
Lab File: VL033716.D
Acq: 17 May 2019 14:44

Instrument :
MSVOA_L
ClientSampleId :
SV-02DUP

Tot Ion: 91 Resp: 4040105
Ion Ratio Lower Upper
91 100
106 30.6 23.9 35.9

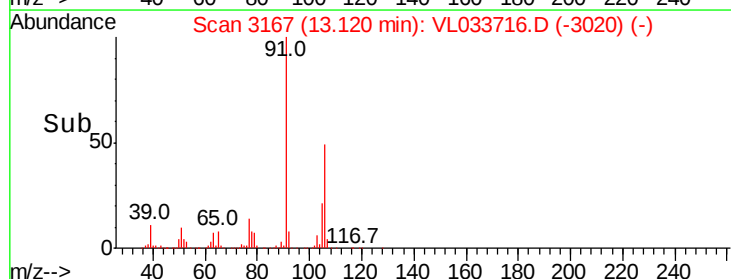
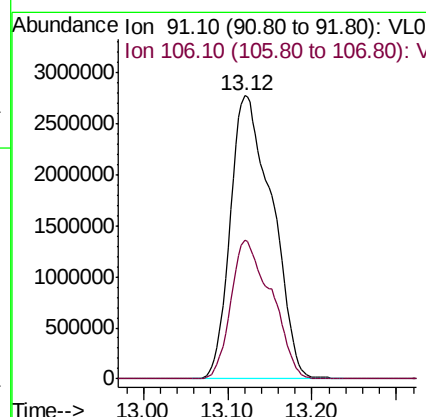
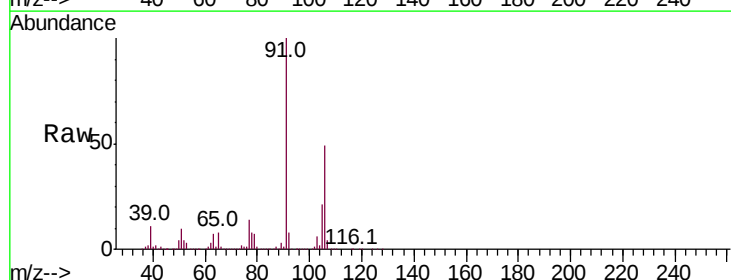
Manual Integrations
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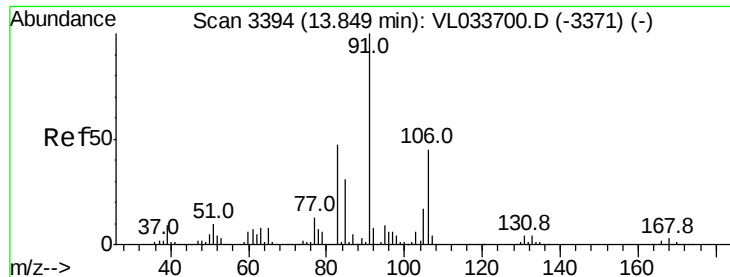
MMDadoda
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#59
m/p-Xylene
Concen: 33.808 ppbv
RT: 13.12 min Scan# 3167
Delta R.T. -0.03 min
Lab File: VL033716.D
Acq: 17 May 2019 14:44

Tgt Ion: 91 Resp: 9542638
Ion Ratio Lower Upper
91 100
106 47.6 35.8 53.6





#60

o-Xylene

Concen: 8.795 ppbv

RT: 13.85 min Scan# 3393

Delta R.T. -0.00 min

Lab File: VL033716.D

Acq: 17 May 2019 14:44

Instrument :

MSVOA_L

ClientSampleId :

SV-02DUP

Tot Ion: 91 Resp: 2502366

Ion Ratio Lower Upper

91 100

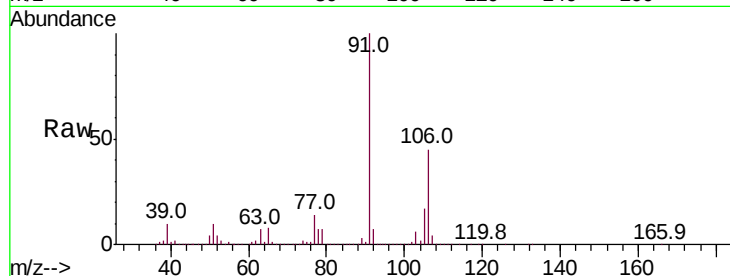
106 44.0 21.6 64.8

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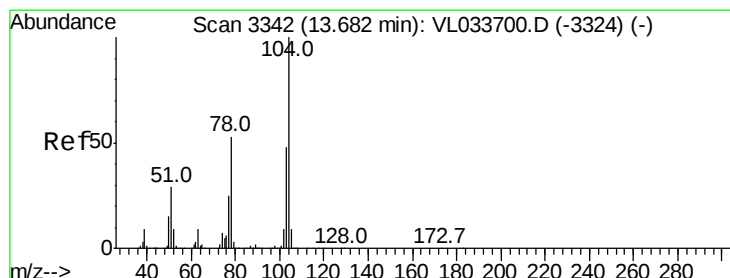
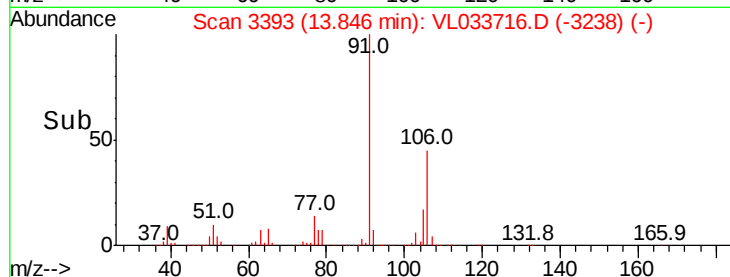
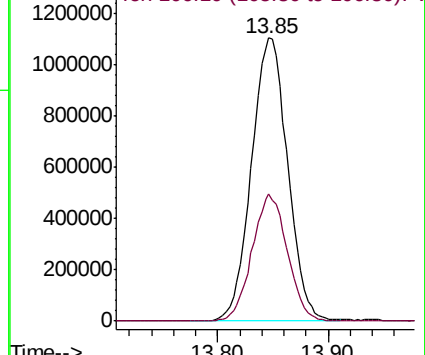
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#61

Styrene

Concen: 0.283 ppbv m

RT: 13.69 min Scan# 3344

Delta R.T. 0.01 min

Lab File: VL033716.D

Acq: 17 May 2019 14:44

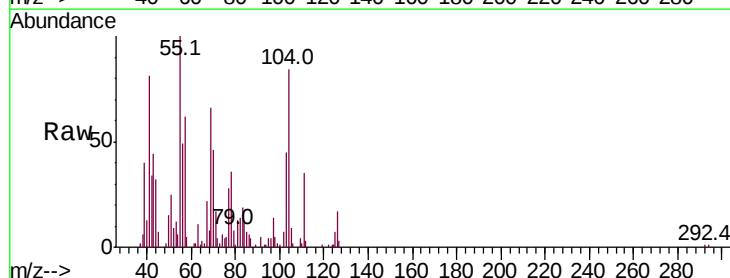
Tgt Ion:104 Resp: 54131

Ion Ratio Lower Upper

104 100

78 55.2 42.6 64.0

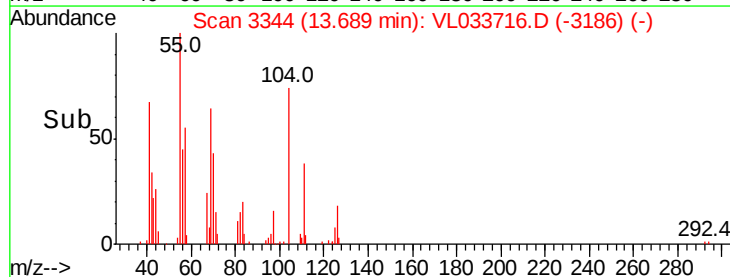
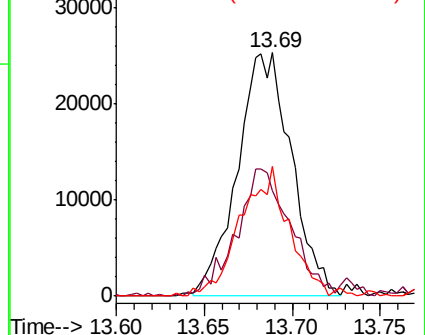
103 0.0 37.8 56.6#

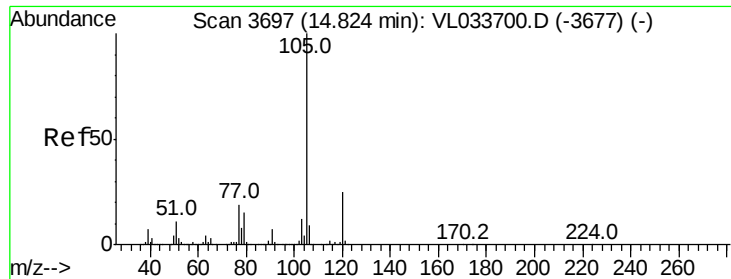


Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V





#62

Isopropylbenzene

Concen: 0.179 ppbv

RT: 14.82 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VL033716.D

Acq: 17 May 2019 14:44

Instrument :

MSVOA_L

ClientSampleId :

SV-02DUP

Tot Ion:105 Resp: 68574

Ion Ratio Lower Upper

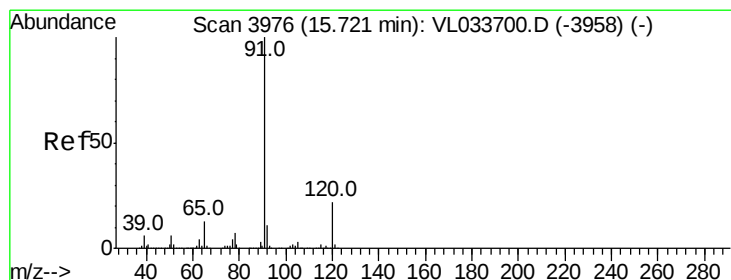
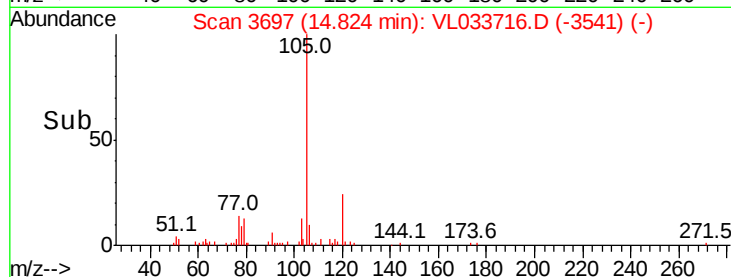
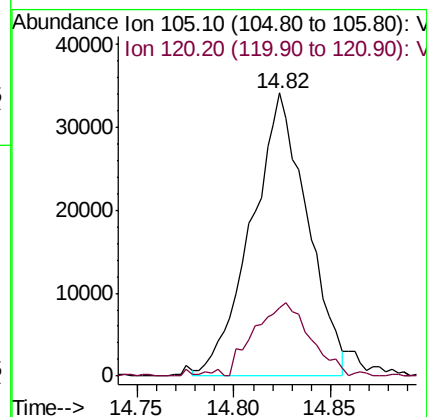
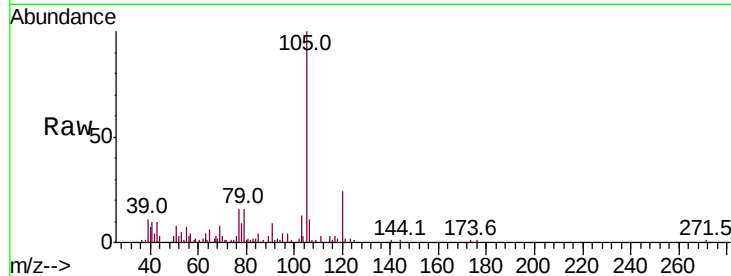
105 100

120 27.1 20.1 30.1

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#64

n-propylbenzene

Concen: 0.146 ppbv m

RT: 15.72 min Scan# 3976

Delta R.T. 0.00 min

Lab File: VL033716.D

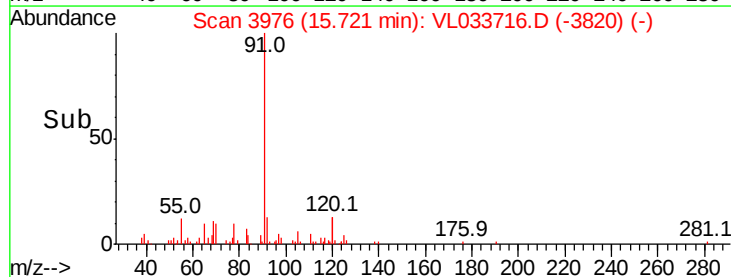
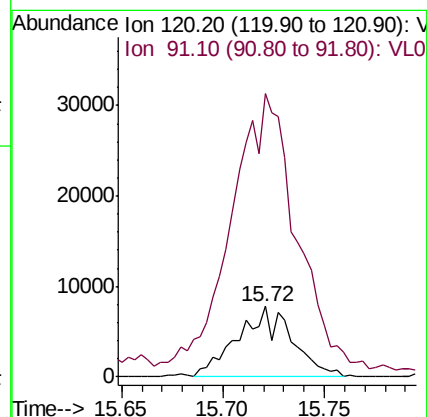
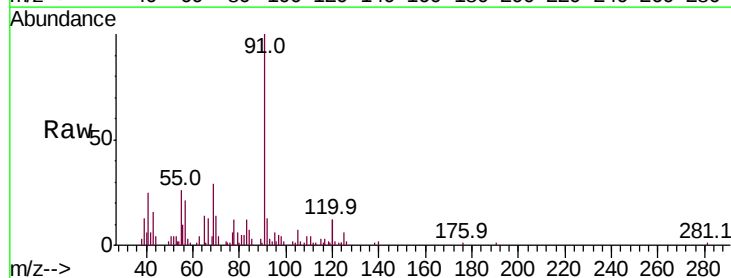
Acq: 17 May 2019 14:44

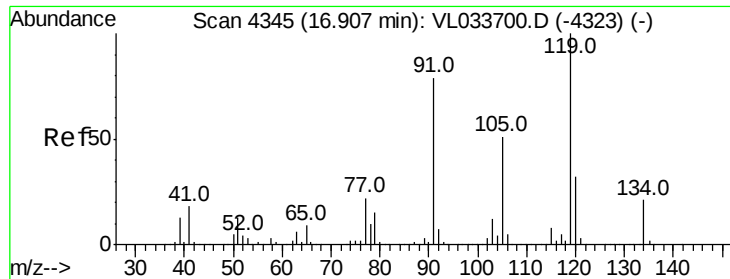
Tgt Ion:120 Resp: 14509

Ion Ratio Lower Upper

120 100

91 477.6 379.1 568.7





#65

tert-Butylbenzene

Concen: 0.091 ppbv

RT: 16.91 min Scan# 4347

Delta R.T. 0.01 min

Lab File: VL033716.D

Acq: 17 May 2019 14:44

Instrument :

MSVOA_L

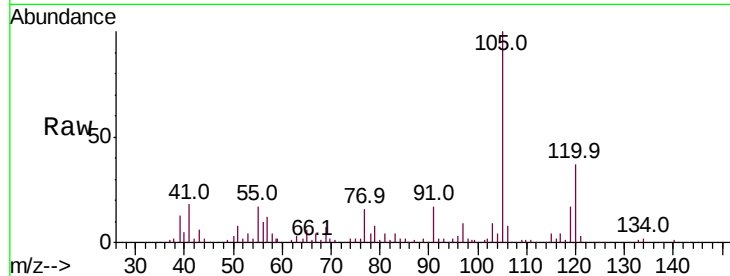
ClientSampled :

SV-02DUP

Tot Ion	Ratio	Lower	Upper
119	100		
91	0.0	65.3	97.9#
134	0.0	15.7	23.5#

Manual Integrations
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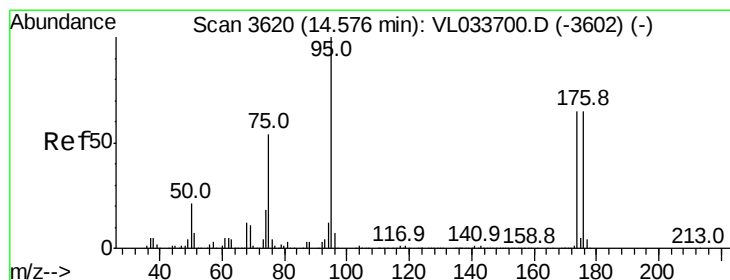
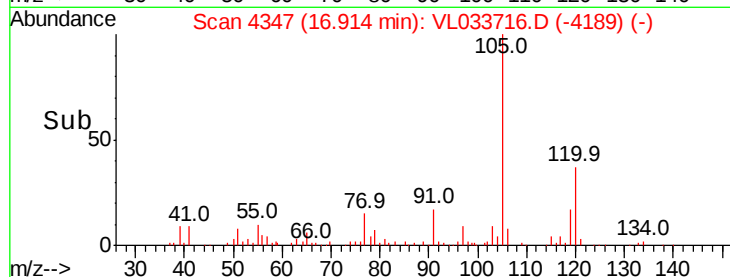
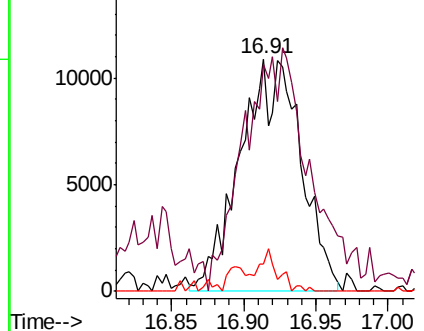
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Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.610 ppbv

RT: 14.57 min Scan# 3619

Delta R.T. -0.00 min

Lab File: VL033716.D

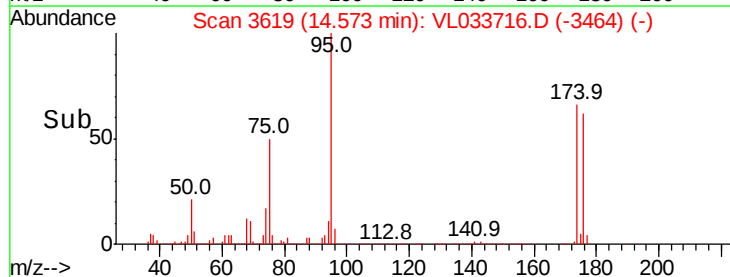
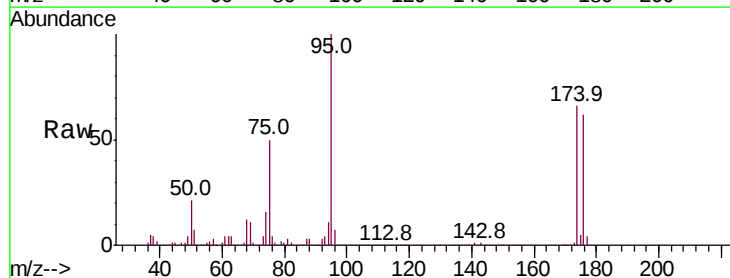
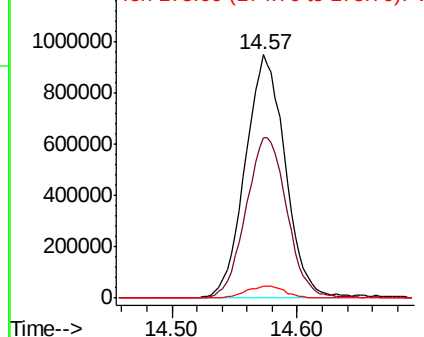
Acq: 17 May 2019 14:44

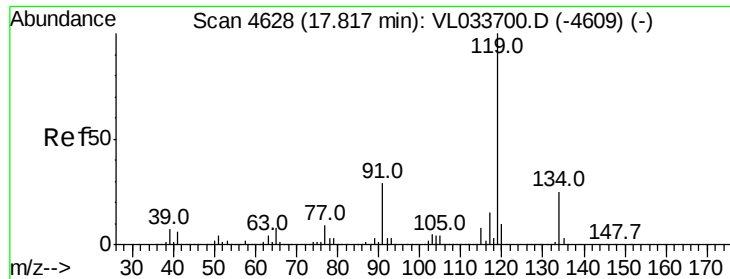
Tgt Ion	Ratio	Lower	Upper
95	100		
174	68.6	53.9	80.9
175	4.9	3.8	5.8

Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





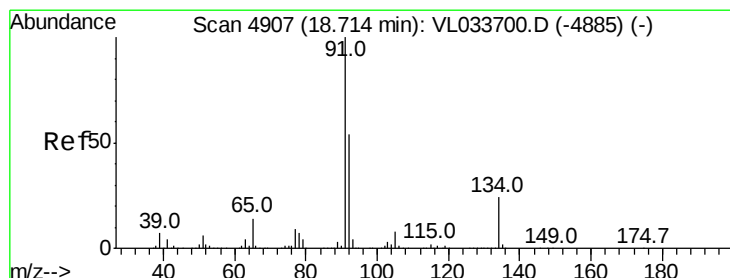
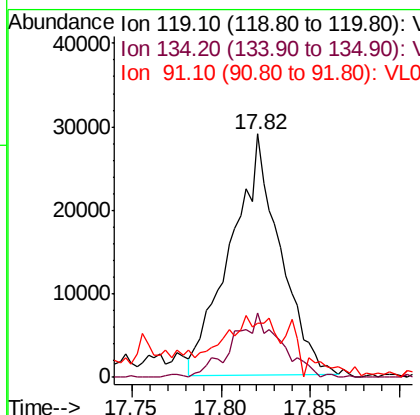
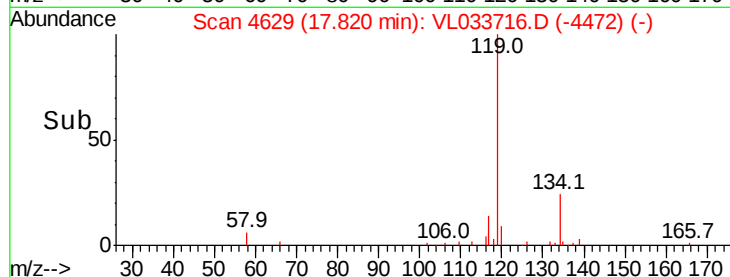
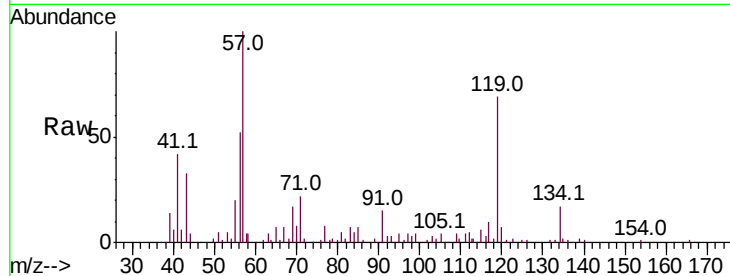
#69
 p-Isopropyltoluene
 Concen: 0.137 ppbv
 RT: 17.82 min Scan# 4629
 Delta R.T. 0.00 min
 Lab File: VL033716.D
 Acq: 17 May 2019 14:44

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-02DUP

Tot Ion	Ratio	Resp	Lower	Upper
119	100	55554		
134	26.3	20.3	30.5	
91	40.7	23.1	34.7#	

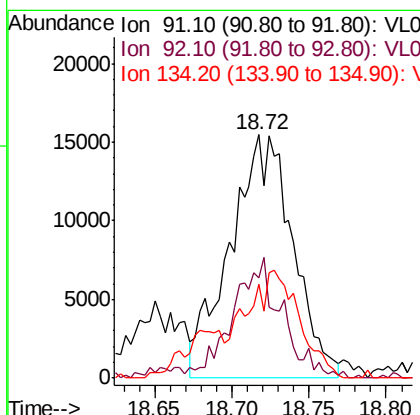
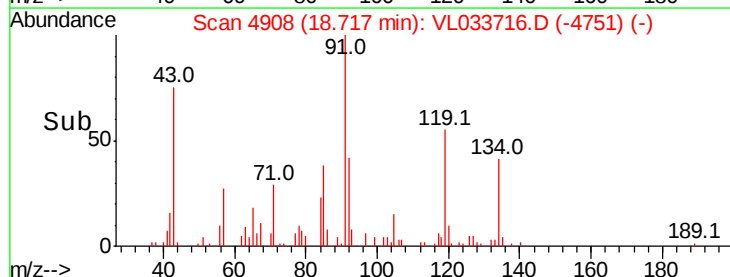
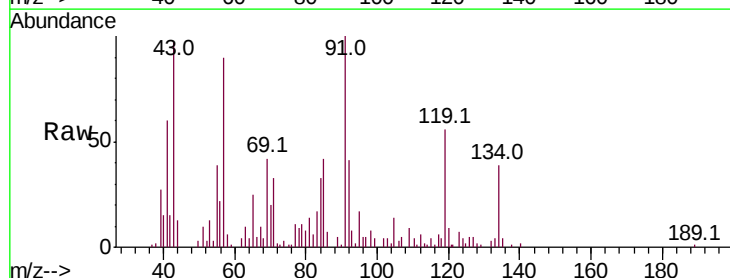
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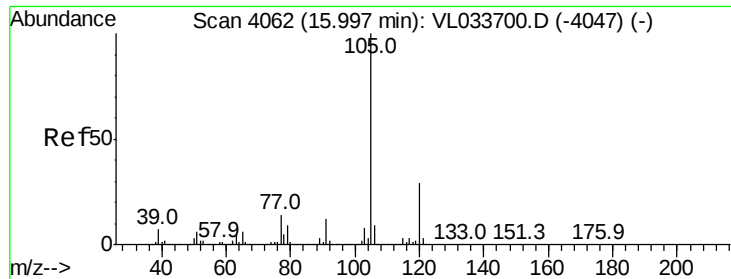
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#70
 n-Butylbenzene
 Concen: 0.101 ppbv m
 RT: 18.72 min Scan# 4908
 Delta R.T. 0.00 min
 Lab File: VL033716.D
 Acq: 17 May 2019 14:44

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	43792		
92	0.0	42.6	63.8#	
134	0.0	18.1	27.1#	





#72

4-Ethyltoluene

Concen: 0.196 ppbv

RT: 16.00 min Scan# 4063

Delta R.T. 0.00 min

Lab File: VL033716.D

Acq: 17 May 2019 14:44

Instrument :

MSVOA_L

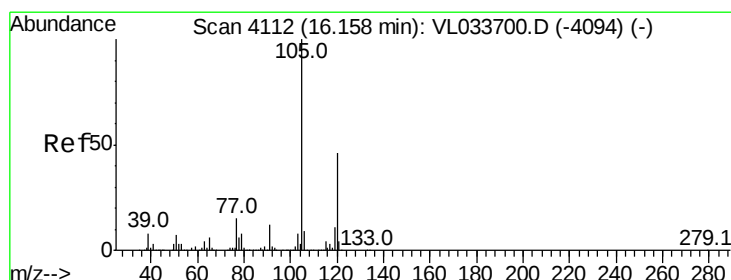
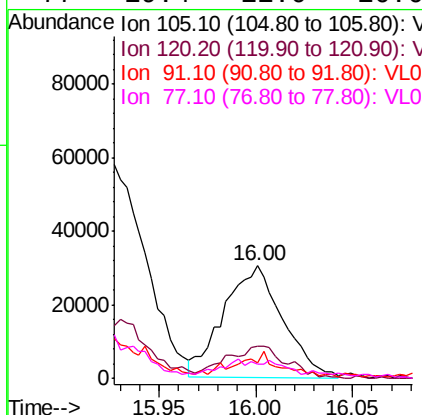
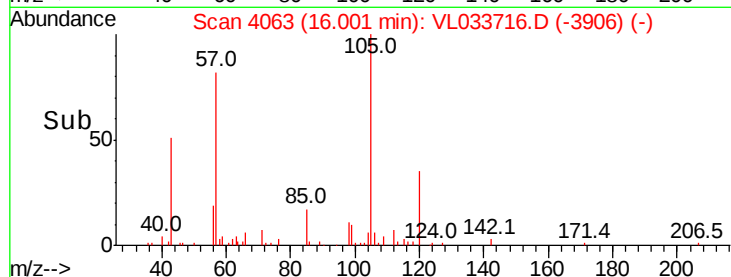
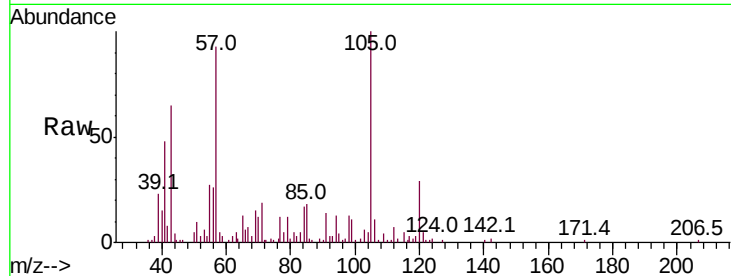
ClientSampleId :

SV-02DUP

Tot Ion	Ratio	Lower	Upper
105	100		
120	30.1	23.1	34.7
91	16.4	10.4	15.6
77	19.4	11.0	16.6

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#73

1,3,5-Trimethylbenzene

Concen: 0.215 ppbv

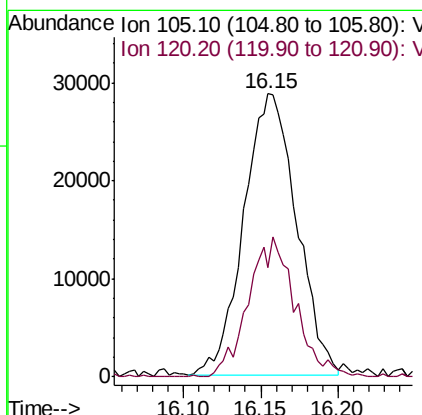
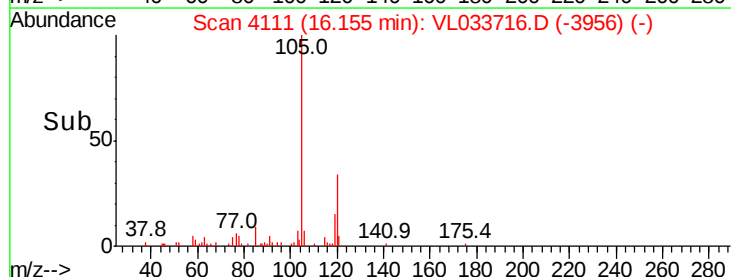
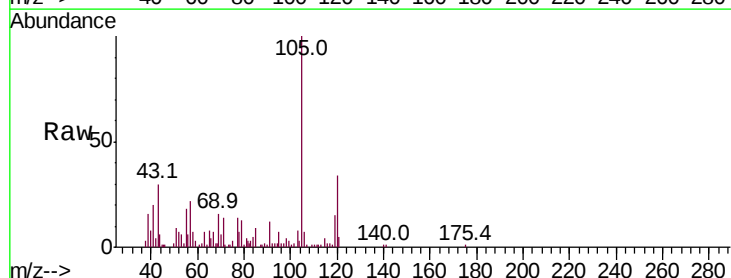
RT: 16.15 min Scan# 4111

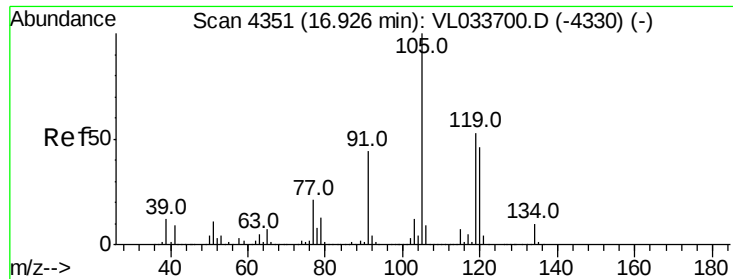
Delta R.T. -0.00 min

Lab File: VL033716.D

Acq: 17 May 2019 14:44

Tgt Ion	Ratio	Lower	Upper
105	100		
120	38.9	37.0	55.4





#74

1,2,4-Trimethylbenzene

Concen: 0.478 ppbv

RT: 16.93 min Scan# 4351

Delta R.T. 0.00 min

Lab File: VL033716.D

Acq: 17 May 2019 14:44

Instrument :

MSVOA_L

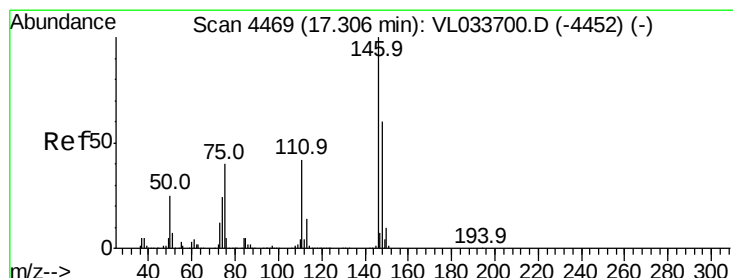
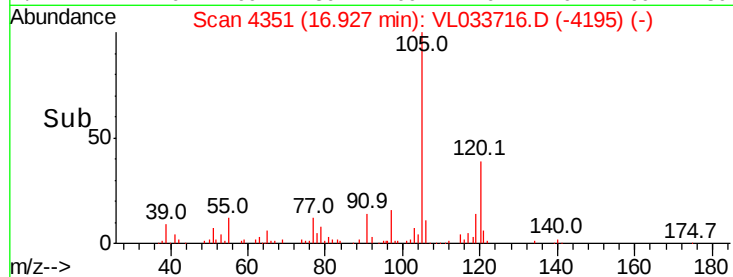
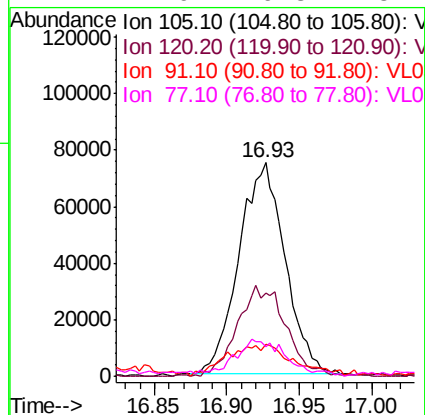
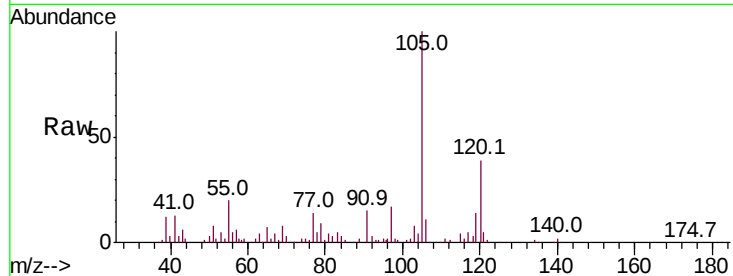
ClientSampleId :

SV-02DUP

Tot Ion:	105	Resp:	165278
Ion Ratio	Lower	Upper	
105	100		
120	44.7	36.8	55.2
91	15.3	35.4	53.0#
77	12.9	16.8	25.2#

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#76

1,4-Dichlorobenzene

Concen: 0.341 ppbv

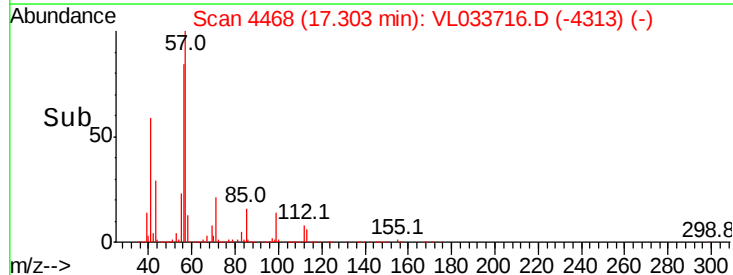
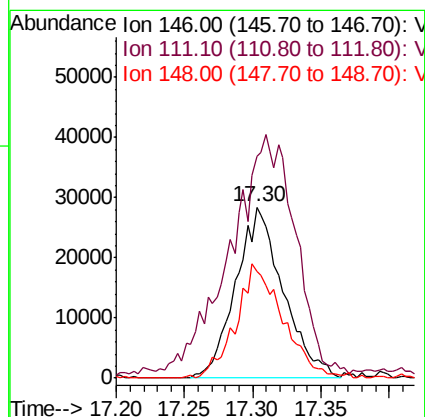
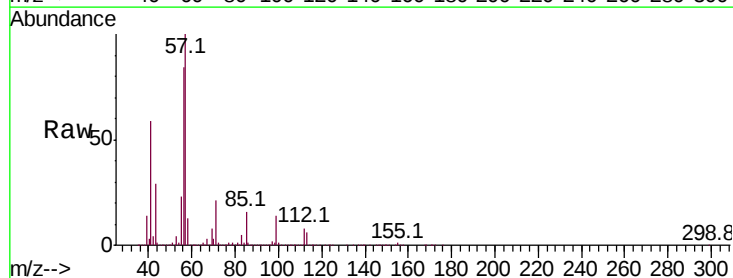
RT: 17.30 min Scan# 4468

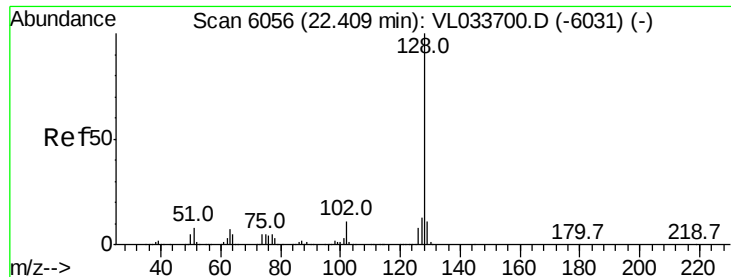
Delta R.T. -0.00 min

Lab File: VL033716.D

Acq: 17 May 2019 14:44

Tgt Ion:	146	Resp:	68521
Ion Ratio	Lower	Upper	
146	100		
111	199.2	21.9	65.8#
148	66.4	32.1	96.3





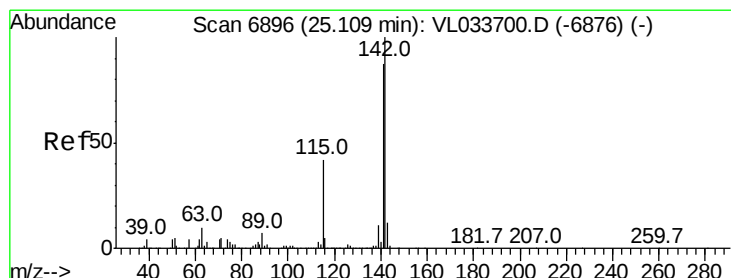
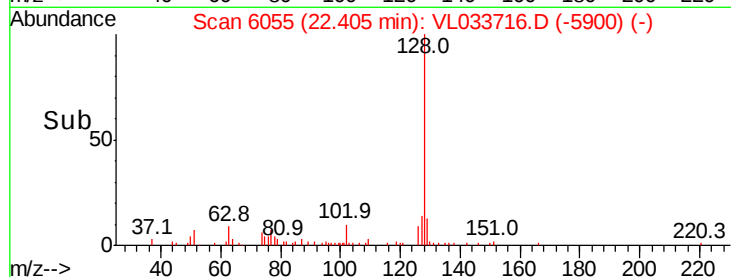
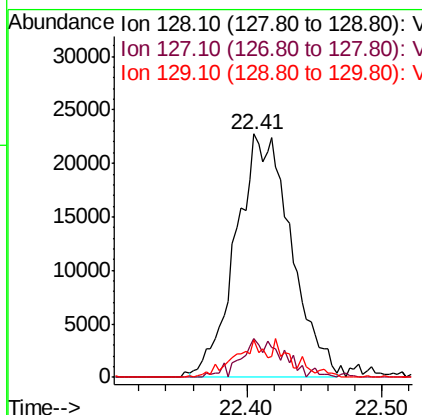
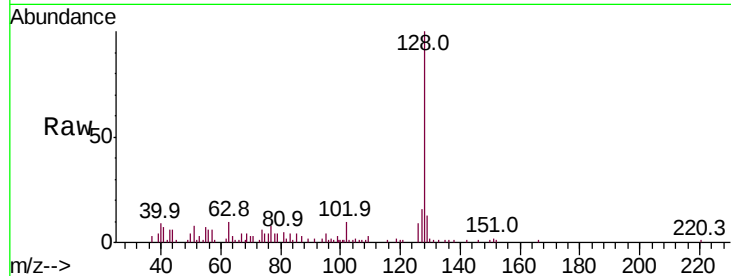
#79
Naphthalene
Concen: 0.200 ppbv m
RT: 22.41 min Scan# 6055
Delta R.T. -0.00 min
Lab File: VL033716.D
Acq: 17 May 2019 14:44

Instrument :
MSVOA_L
ClientSampleId :
SV-02DUP

Tot Ion	Ratio	Lower	Upper
128	100		
127	16.0	10.6	16.0#
129	13.1	8.9	13.3

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#80
Naphthalene, 2-methyl-
Concen: 0.115 ppbv m
RT: 25.11 min Scan# 6897
Delta R.T. 0.00 min
Lab File: VL033716.D
Acq: 17 May 2019 14:44

Tgt Ion	Ratio	Lower	Upper
142	100		
141	4.5	67.2	100.8#
115	1.8	34.1	51.1#

