

Data File : VL033713.D
Acq On : 17 May 2019 12:43
Operator : SY/AP
Sample : K2893-01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SV-01

Quant Time: May 17 23:20:55 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri May 17 08:15:41 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	5.77	49	1056919	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2755530	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2581955	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	2253266	10.77	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	107.70%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.08	85	81211	0.365	ppbv	97
3) Chlorodifluoromethane	3.24	51	205528	1.698	ppbv #	58
4) Chloromethane	3.17	50	33840	0.489	ppbv	90
5) Vinyl Chloride	3.29	62	1649	0.023	ppbv #	1
6) Bromomethane	3.52	94	1015	0.024	ppbv #	4
7) Chloroethane	3.60	64	2715	0.108	ppbv #	67
9) Propene	3.24	41	8581041	166.641	ppbv	97
10) Heptane	8.25	43	1524040	10.451	ppbv	99
11) Trichlorofluoromethane	4.01	101	122522	0.576	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.06	101	796130	5.363	ppbv #	13
13) Ethanol	3.65	45	1024538	61.557	ppbv	99
15) Acetone	3.90	43	19030117	129.773	ppbv	94
16) 1,3-Butadiene	3.34	39	2068631	35.424	ppbv #	12
17) tert-Butyl alcohol	4.37	59	97082	0.819	ppbv #	72
19) Isopropyl Alcohol	4.07	45	3698298	39.114	ppbv #	1
20) Methylene Chloride	4.42	84	70904	1.256	ppbv	98
21) Allyl Chloride	4.44	41	45503	0.497	ppbv #	47
23) Vinyl Acetate	5.14	43	1111923	5.751	ppbv #	1
25) Ethyl Acetate	5.78	43	1824702	7.083	ppbv #	80
26) Hexane	5.78	57	2639052	23.830	ppbv #	39
27) Carbon Disulfide	4.62	76	717801	4.724	ppbv	99
29) Chloroform	5.86	83	12234	0.060	ppbv	92
30) Cyclohexane	7.25	84	977101	10.495	ppbv	98
31) cis-1,2-Dichloroethene	5.75	61	11064	0.101	ppbv #	31
34) 2-Butanone	5.33	43	493873	2.892	ppbv	98
35) Carbon Tetrachloride	7.14	117	6638	0.030	ppbv #	82
36) Benzene	7.01	78	1653165	6.595	ppbv	98
37) 1,2-Dichloroethane	6.42	62	4753	0.029	ppbv #	91
38) Trichloroethene	7.96	130	17960	0.193	ppbv	90
39) 1,2-Dichloropropane	7.29	63	688164	7.364	ppbv #	22
40) 1,4-Dioxane	7.95	88	1625	0.042	ppbv #	1
41) Tetrahydrofuran	6.16	42	27399	0.286	ppbv #	88
42) Bromodichloromethane	7.92	83	54875	0.248	ppbv #	25
43) Methyl Methacrylate	8.25	69	17278	0.187	ppbv #	1
44) 2,2,4-Trimethylpentane	7.99	57	504979	1.192	ppbv #	1
47) 1,1,2-Trichloroethane	9.71	97	39888	0.376	ppbv #	57
49) Bromoform	13.20	173	2208	0.014	ppbv #	1
50) 4-Methyl-2-Pentanone	8.89	43	23511	0.089	ppbv #	39
51) 2-Hexanone	10.25	43	655203	3.196	ppbv #	45
52) Tetrachloroethene	11.37	164	16920	0.192	ppbv	95
53) Toluene	9.95	91	3523101	13.031	ppbv	99

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ClientSampleId :
SV-01

Quant Time: May 17 23:20:55 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri May 17 08:15:41 2019
QLast Update : Fri May 17 08:15:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
57) Chlorobenzene	12.29	112	16605	0.078	ppbv #	39
58) Ethyl Benzene	12.87	91	11034299	32.272	ppbv	93
59) m/p-Xylene	13.13	91	14837988	49.644	ppbv	93
60) o-Xylene	13.85	91	4216636	13.995	ppbv	98
61) Styrene	13.68	104	16529	0.081	ppbv #	27
62) Isopropylbenzene	14.83	105	50334	0.124	ppbv #	58
63) 1,1,2,2-Tetrachloroethane	13.81	83	3310	0.015	ppbv #	1
64) n-propylbenzene	15.72	120	3735	0.036	ppbv #	1
65) tert-Butylbenzene	16.91	119	6319	0.017	ppbv #	18
70) n-Butylbenzene	18.71	91	5691	0.012	ppbv #	1
71) 2-Chlorotoluene	15.72	91	29725	0.099	ppbv #	45
72) 4-Ethyltoluene	16.00	105	63689	0.185	ppbv #	91
73) 1,3,5-Trimethylbenzene	16.16	105	49462	0.147	ppbv	91
74) 1,2,4-Trimethylbenzene	16.93	105	82442	0.225	ppbv #	70
76) 1,4-Dichlorobenzene	17.31	146	44675	0.210	ppbv #	1
79) Naphthalene	22.41	128	29211	0.086	ppbv	96
80) Naphthalene,2-methyl-	25.12	142	11517	0.089	ppbv	97

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

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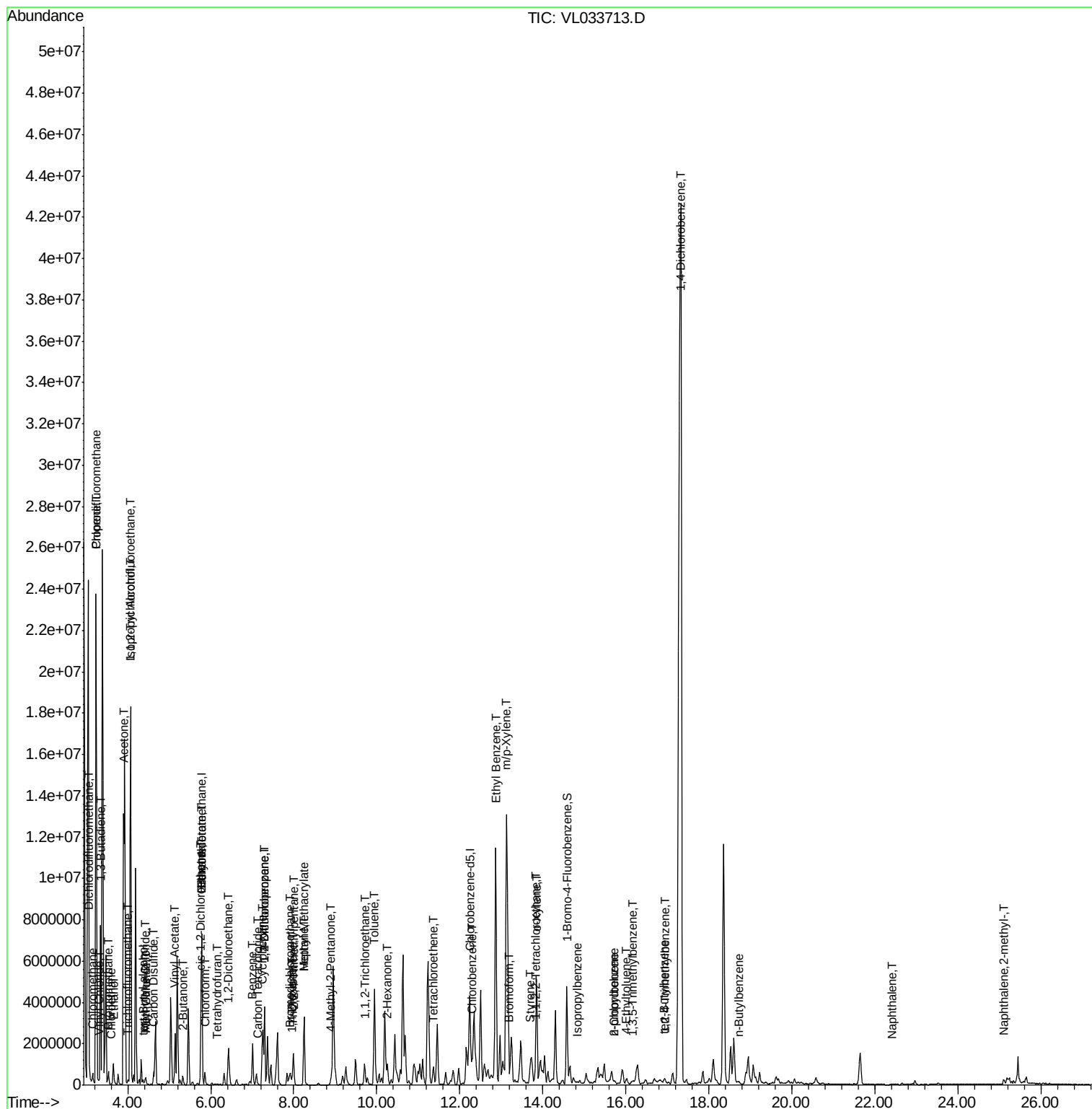
Quant Time: May 17 23:20:55 2019

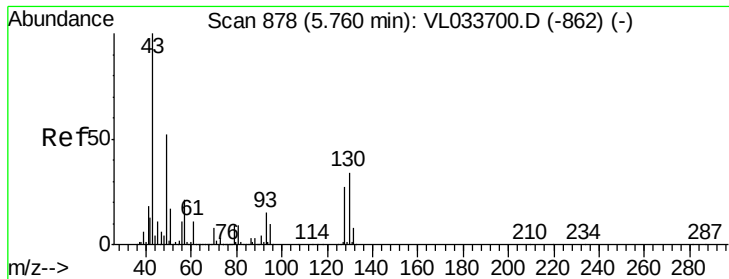
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_L\METHODS\VL051719AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LFri May 17 08:15:41 2019

QLast Update : Fri May 17 08:15:41 2019

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.77 min Scan# 880

Delta R.T. 0.01 min

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Instrument :

MSVOA_L

ClientSampleId :

SV-01

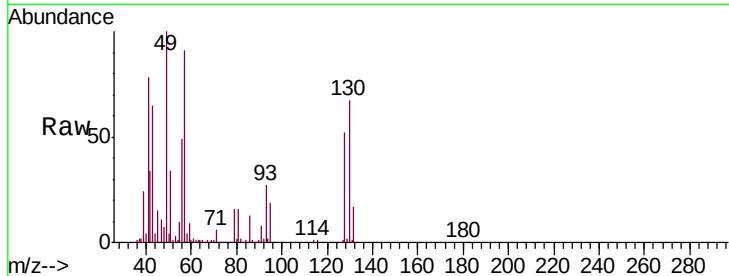
Tgt Ion: 49 Resp: 1056919

Ion Ratio Lower Upper

49 100

128 51.8 25.2 75.6

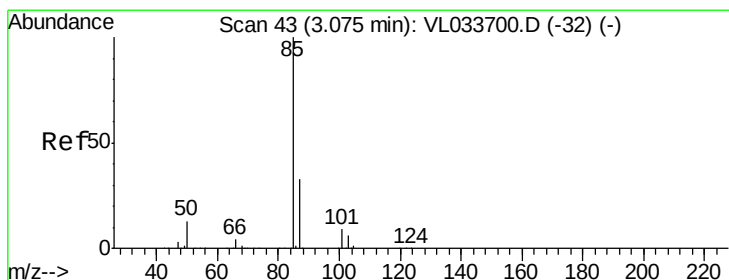
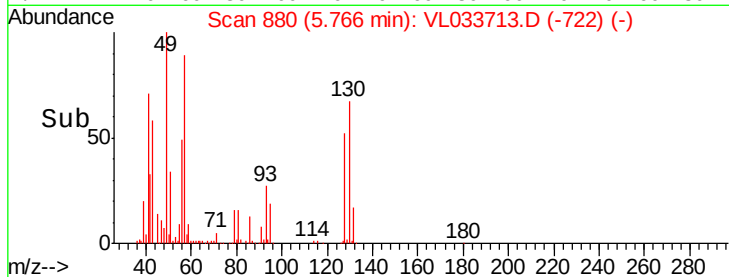
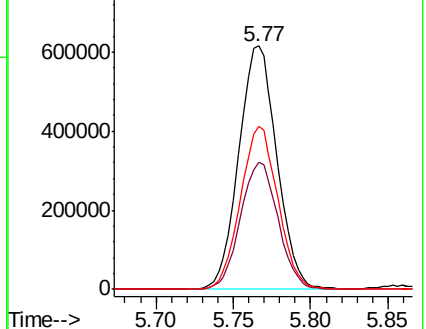
130 66.0 32.5 97.5



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: 0.365 ppbv

RT: 3.08 min Scan# 43

Delta R.T. 0.00 min

Lab File: VL033713.D

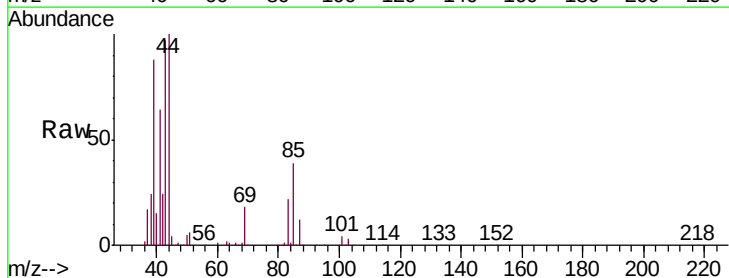
Acq: 17 May 2019 12:43

Tgt Ion: 85 Resp: 81211

Ion Ratio Lower Upper

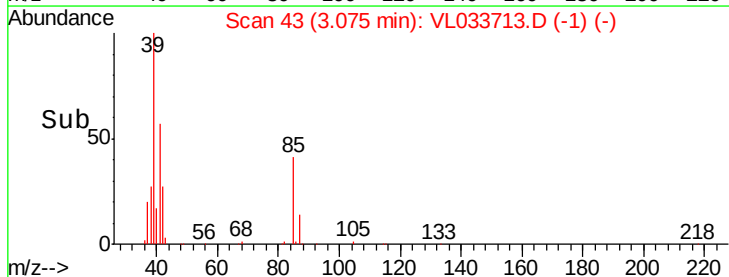
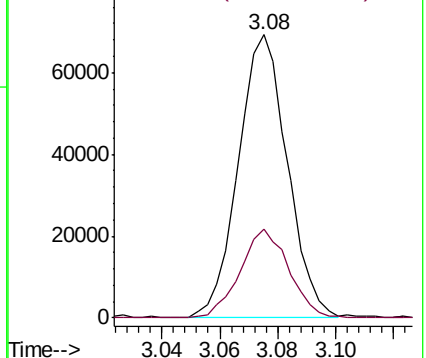
85 100

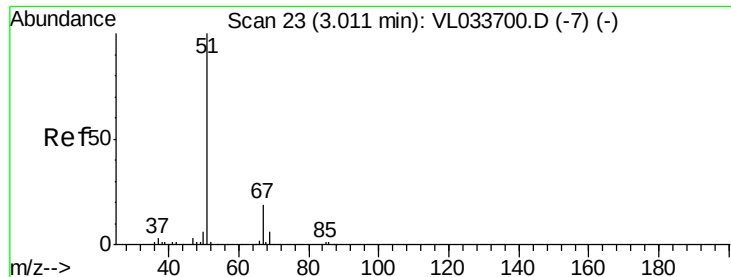
87 31.4 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 1.698 ppbv

RT: 3.24 min Scan# 93

Delta R.T. 0.23 min

Lab File: VL033713.D

Acq: 17 May 2019 12:43

Instrument :

MSVOA_L

ClientSampleId :

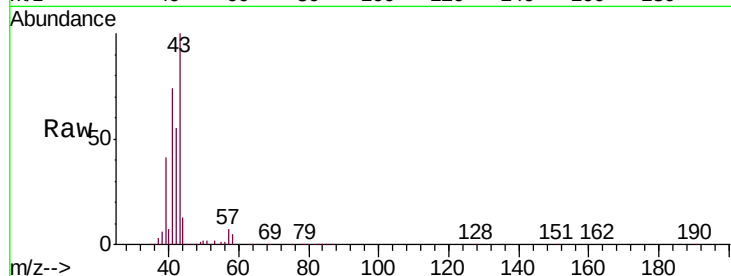
SV-01

Tgt Ion: 51 Resp: 205528

Ion Ratio Lower Upper

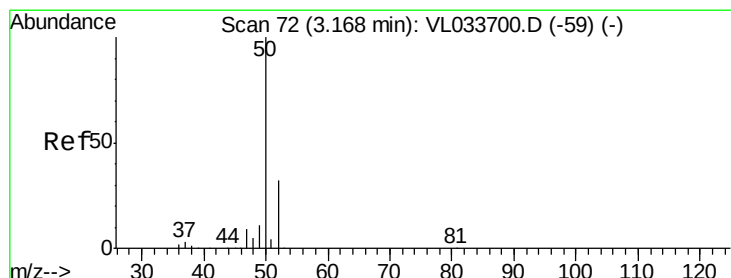
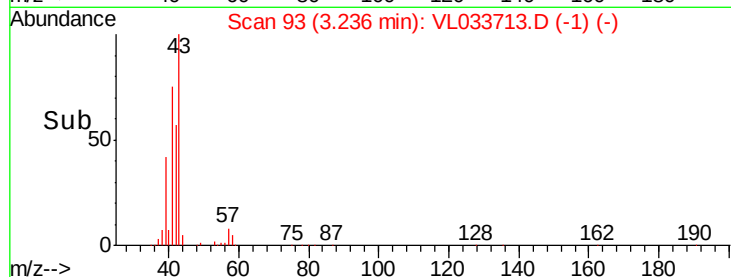
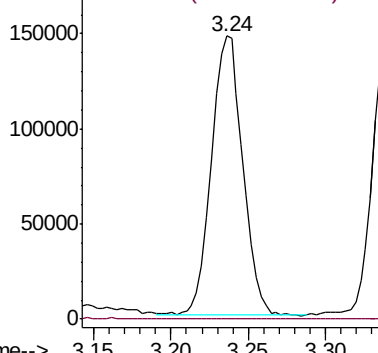
51 100

67 0.5 15.6 23.4#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.489 ppbv

RT: 3.17 min Scan# 71

Delta R.T. -0.00 min

Lab File: VL033713.D

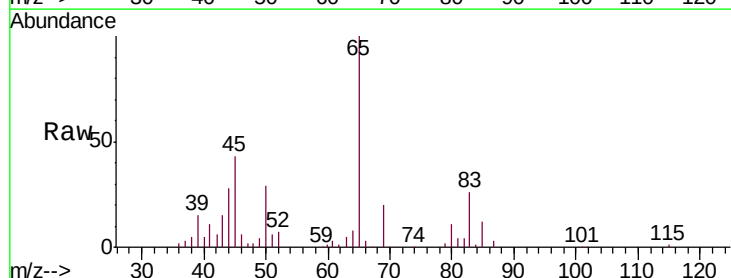
Acq: 17 May 2019 12:43

Tgt Ion: 50 Resp: 33840

Ion Ratio Lower Upper

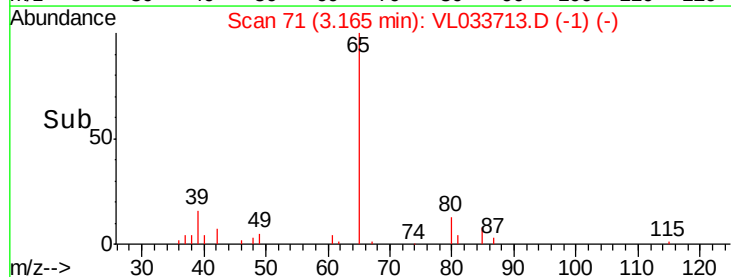
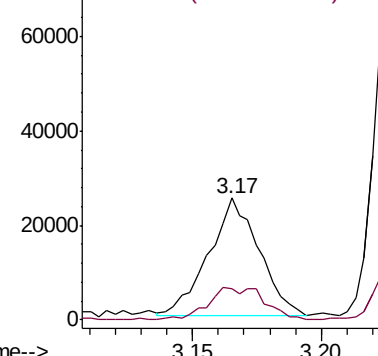
50 100

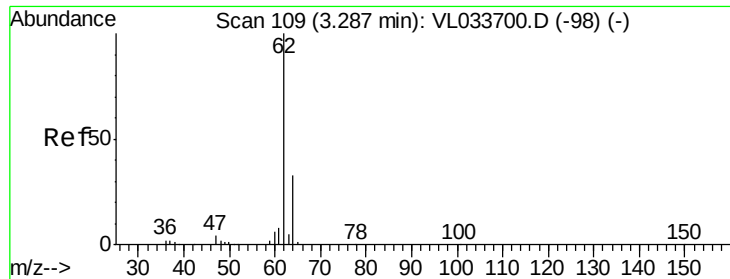
52 26.6 25.7 38.5



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.023 ppbv

RT: 3.29 min Scan# 111

Delta R.T. 0.01 min

Lab File: VL033713.D

Acq: 17 May 2019 12:43

Instrument :

MSVOA_L

ClientSampleId :

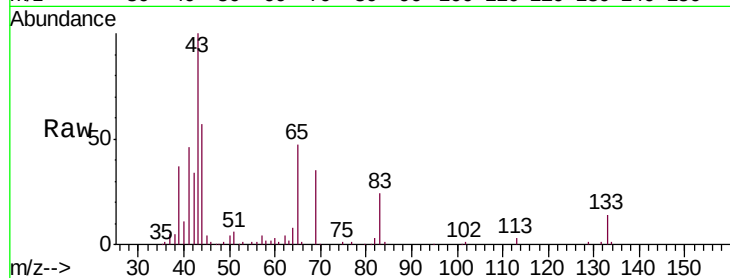
SV-01

Tgt Ion: 62 Resp: 1649

Ion Ratio Lower Upper

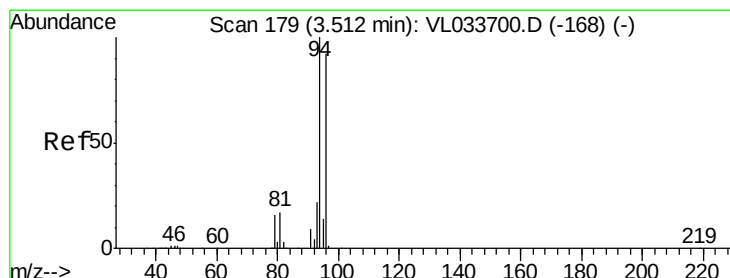
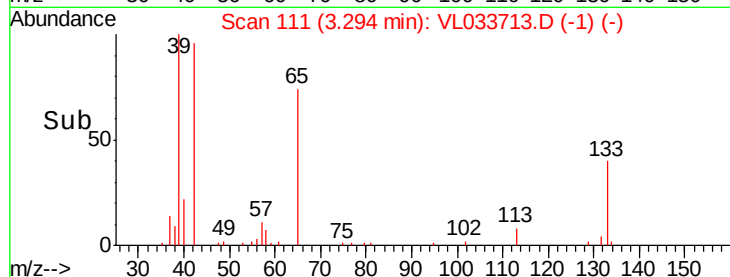
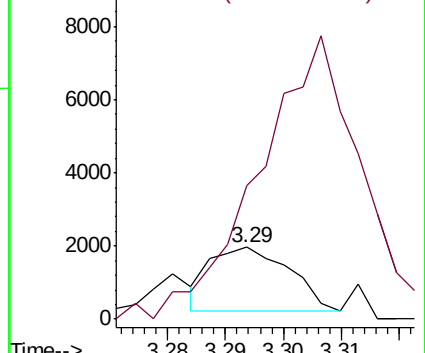
62 100

64 166.9 26.4 39.6#



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 0.024 ppbv

RT: 3.52 min Scan# 180

Delta R.T. 0.00 min

Lab File: VL033713.D

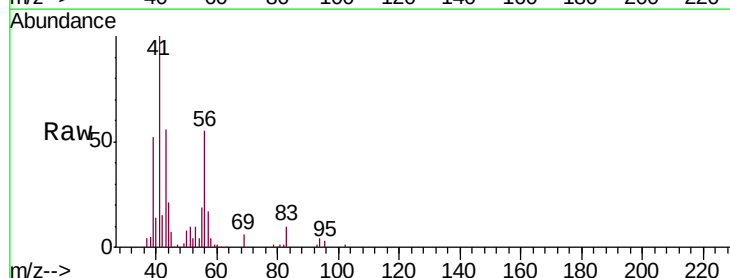
Acq: 17 May 2019 12:43

Tgt Ion: 94 Resp: 1015

Ion Ratio Lower Upper

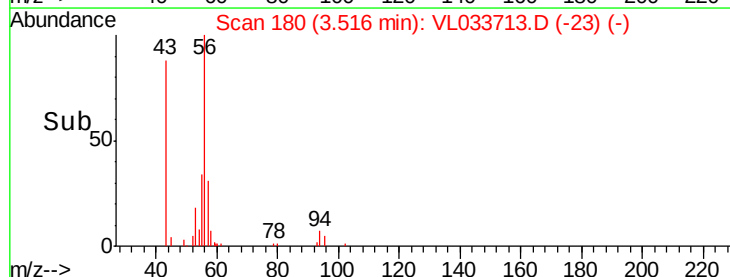
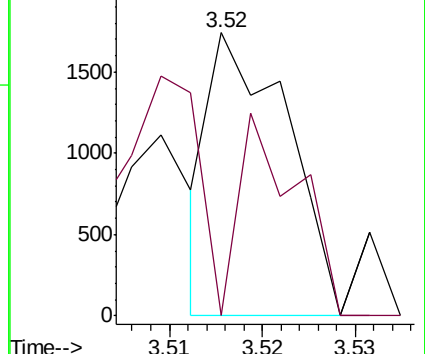
94 100

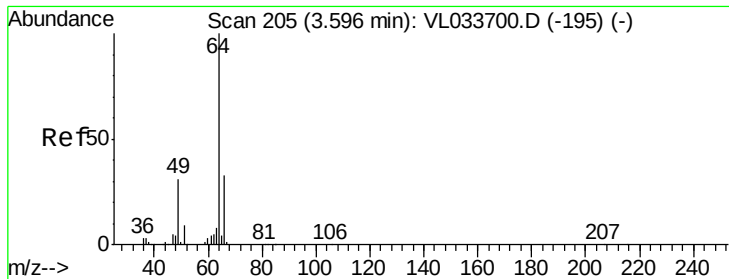
96 0.0 73.6 110.4#



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 0.108 ppbv

RT: 3.60 min Scan# 207

Delta R.T. 0.01 min

Lab File: VL033713.D

Acq: 17 May 2019 12:43

Instrument :

MSVOA_L

ClientSampleId :

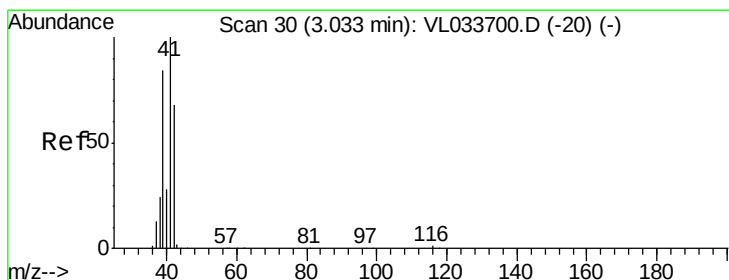
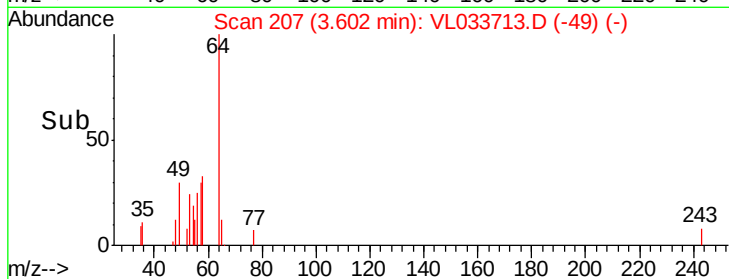
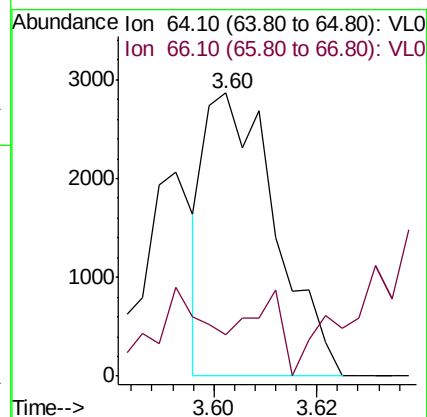
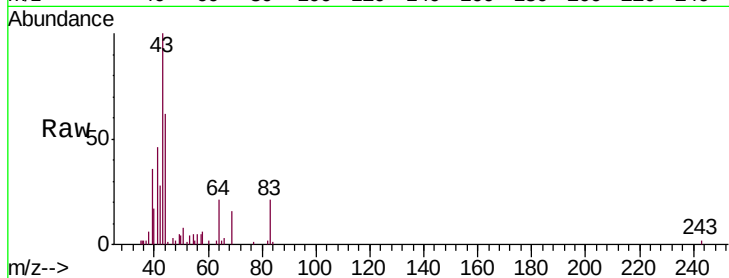
SV-01

Tgt Ion: 64 Resp: 2715

Ion Ratio Lower Upper

64 100

66 14.7 26.6 40.0#



#9

Propene

Concen: 166.641 ppbv

RT: 3.24 min Scan# 93

Delta R.T. 0.20 min

Lab File: VL033713.D

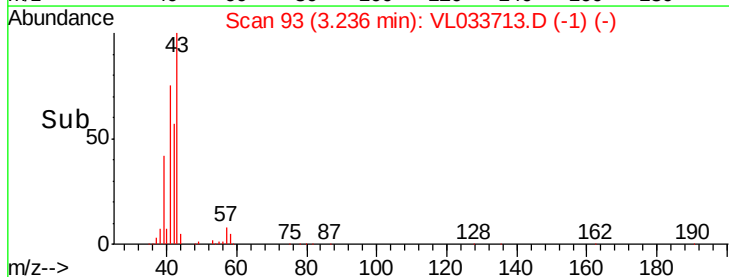
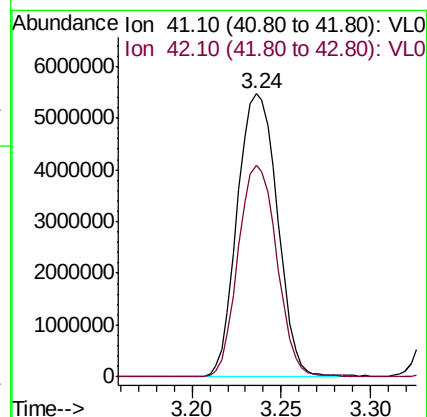
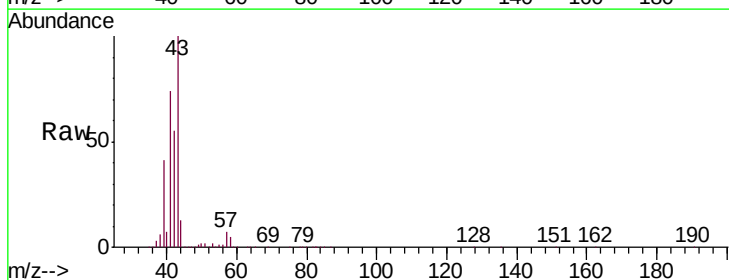
Acq: 17 May 2019 12:43

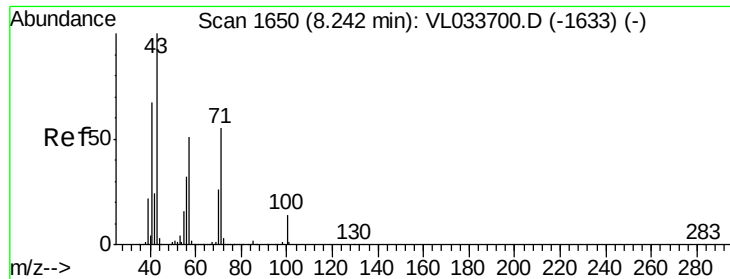
Tgt Ion: 41 Resp: 8581041

Ion Ratio Lower Upper

41 100

42 72.2 56.1 84.1





#10

Heptane

Concen: 10.451 ppbv

RT: 8.25 min Scan# 1652

Delta R.T. 0.01 min

Lab File: VL033713.D

Acq: 17 May 2019 12:43

Instrument :

MSVOA_L

ClientSampleId :

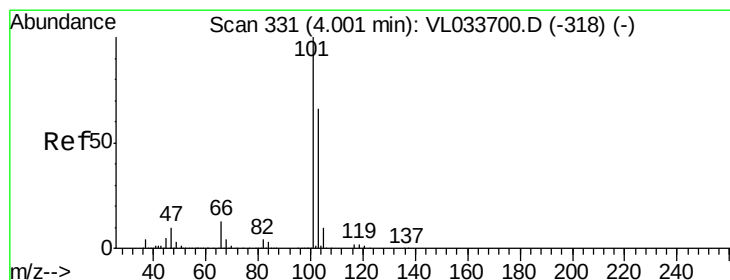
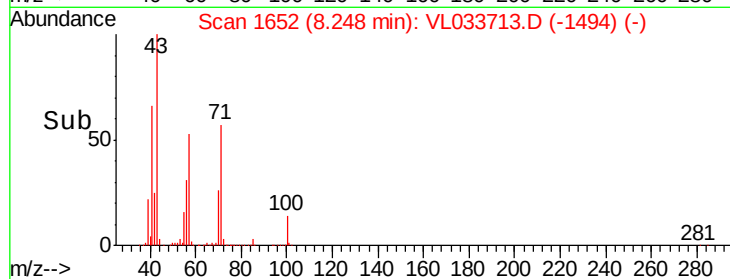
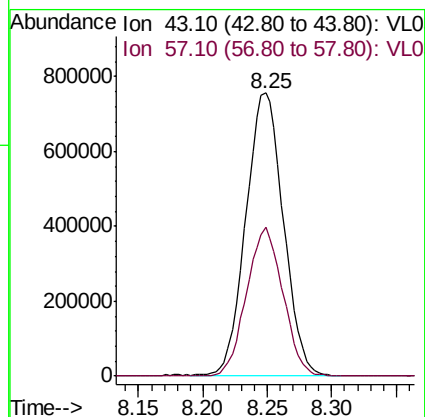
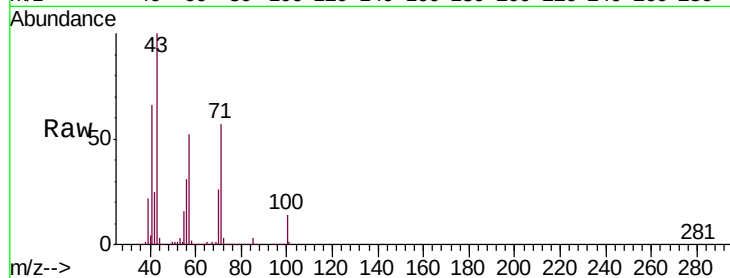
SV-01

Tgt Ion: 43 Resp: 1524040

Ion Ratio Lower Upper

43 100

57 51.3 41.4 62.0



#11

Trichlorofluoromethane

Concen: 0.576 ppbv

RT: 4.01 min Scan# 333

Delta R.T. 0.01 min

Lab File: VL033713.D

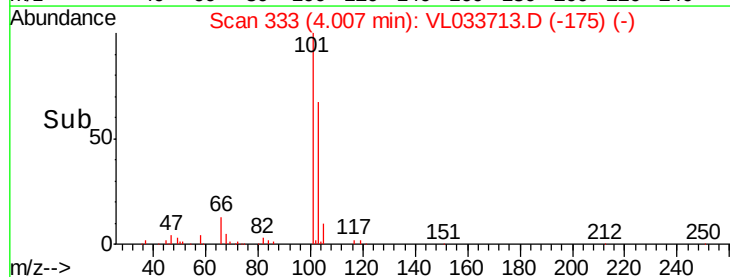
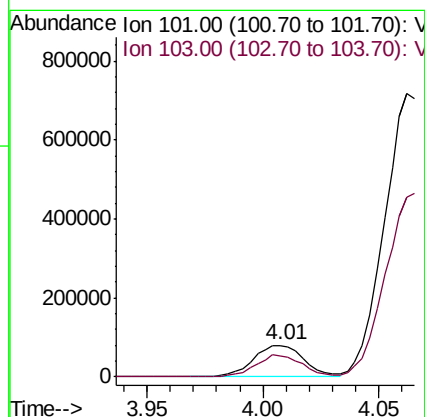
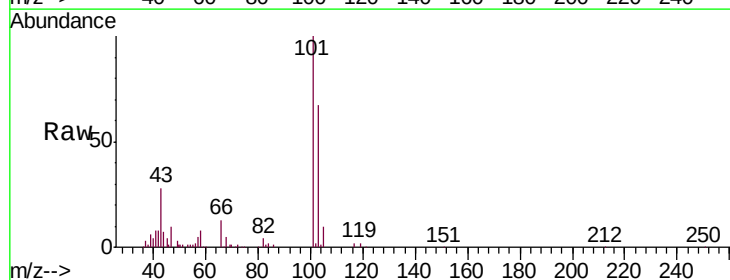
Acq: 17 May 2019 12:43

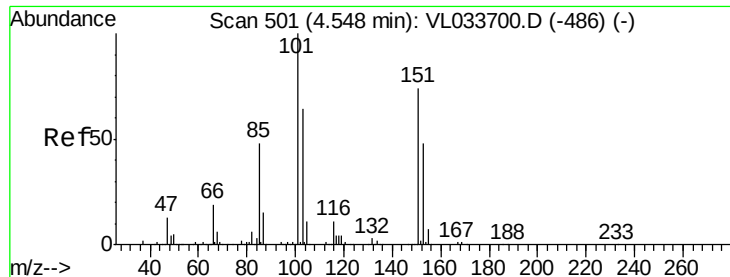
Tgt Ion: 101 Resp: 122522

Ion Ratio Lower Upper

101 100

103 67.3 52.6 78.8





#12

1,1,2-Trichlorotrifluoroethane

Concen: 5.363 ppbv

RT: 4.06 min Scan# 350

Delta R.T. -0.49 min

Lab File: VL033713.D

Acq: 17 May 2019 12:43

Instrument :

MSVOA_L

ClientSampleId :

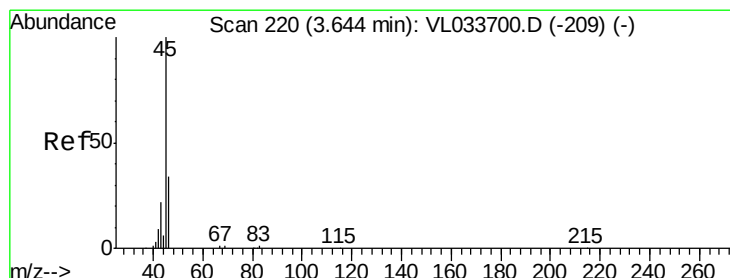
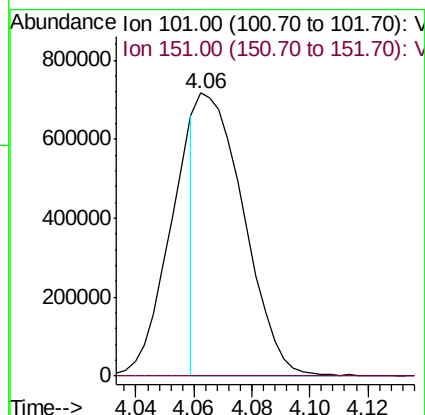
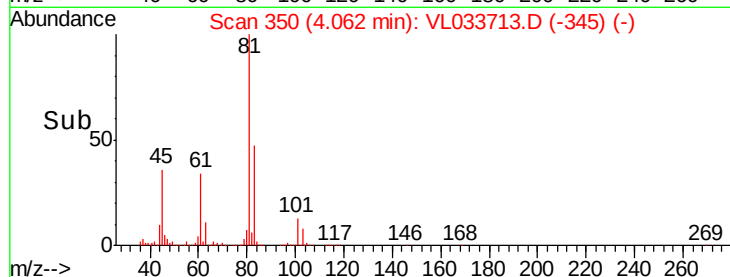
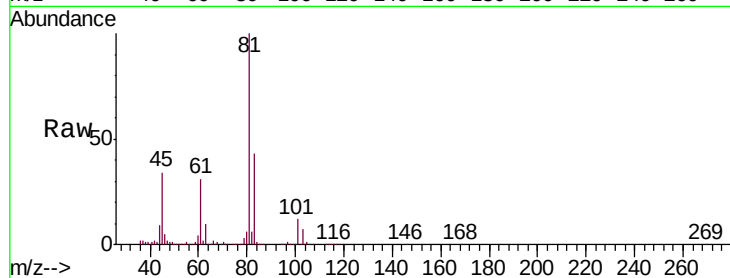
SV-01

Tgt Ion:101 Resp: 796130

Ion Ratio Lower Upper

101 100

151 0.1 58.2 87.4#



#13

Ethanol

Concen: 61.557 ppbv

RT: 3.65 min Scan# 223

Delta R.T. 0.01 min

Lab File: VL033713.D

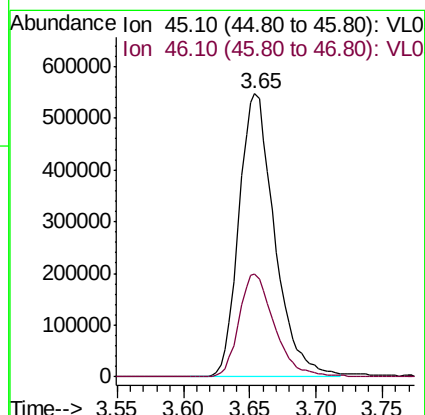
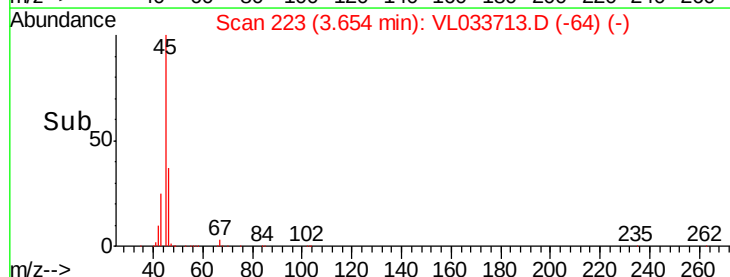
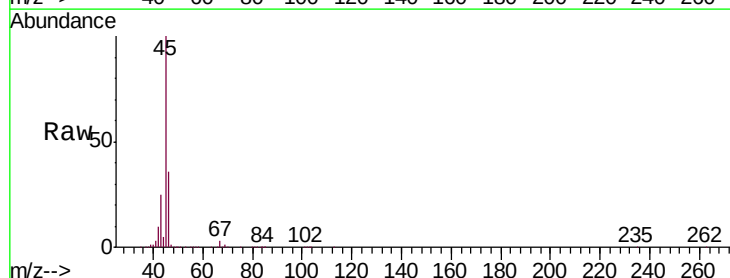
Acq: 17 May 2019 12:43

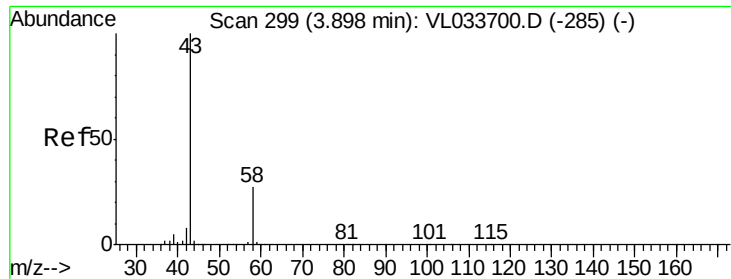
Tgt Ion: 45 Resp: 1024538

Ion Ratio Lower Upper

45 100

46 36.4 14.8 59.0





#15

Acetone

Concen: 129.773 ppbv

RT: 3.90 min Scan# 299

Delta R.T. 0.00 min

Lab File: VL033713.D

Acq: 17 May 2019 12:43

Instrument :

MSVOA_L

ClientSampleId :

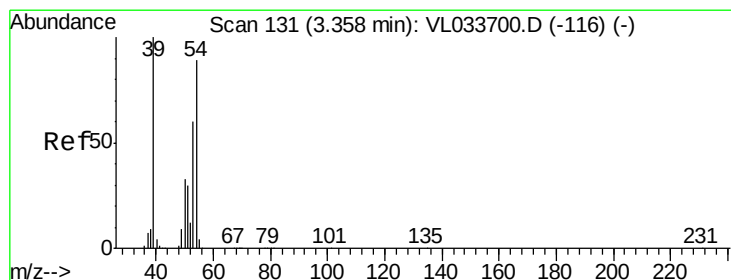
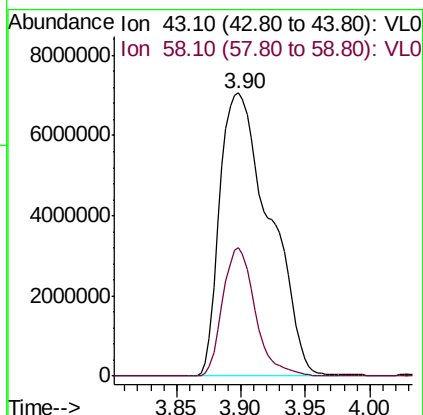
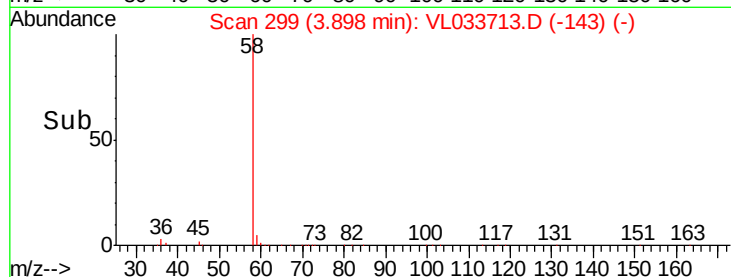
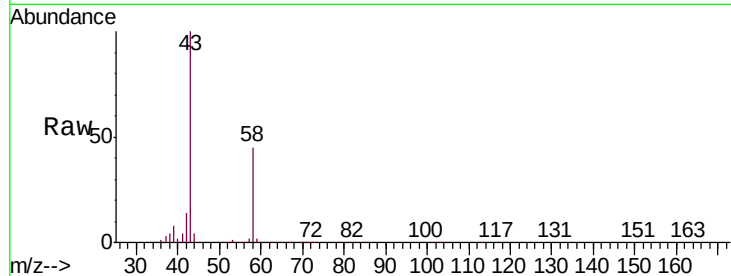
SV-01

Tgt Ion: 43 Resp:19030117

Ion Ratio Lower Upper

43 100

58 29.9 21.3 31.9



#16

1,3-Butadiene

Concen: 35.424 ppbv

RT: 3.34 min Scan# 126

Delta R.T. -0.02 min

Lab File: VL033713.D

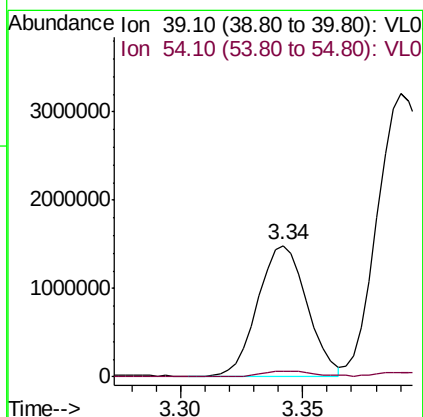
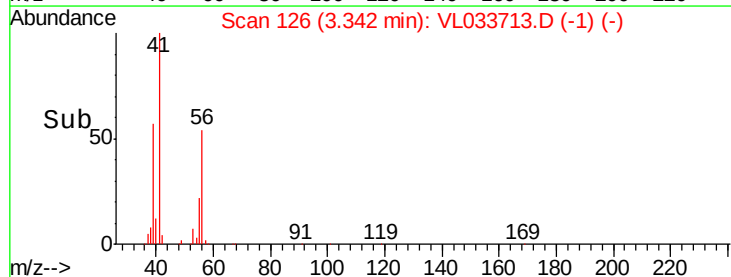
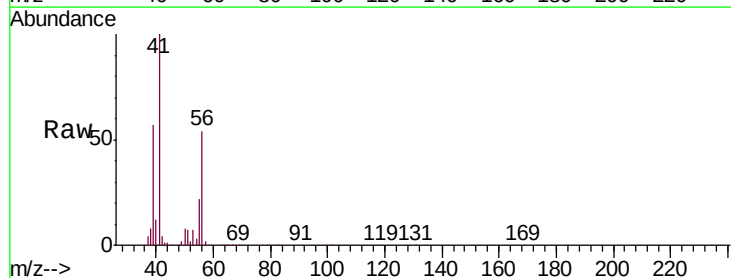
Acq: 17 May 2019 12:43

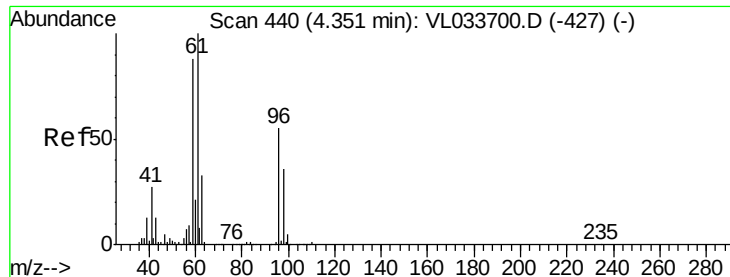
Tgt Ion: 39 Resp: 2068631

Ion Ratio Lower Upper

39 100

54 4.9 69.0 103.6#



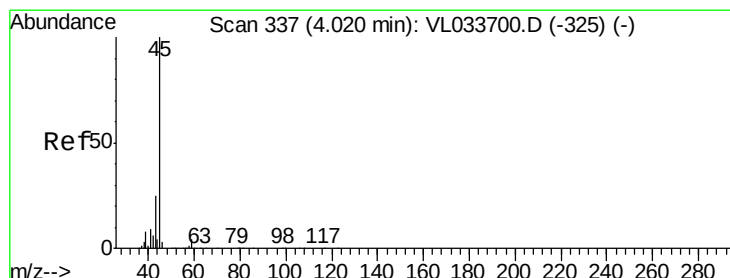
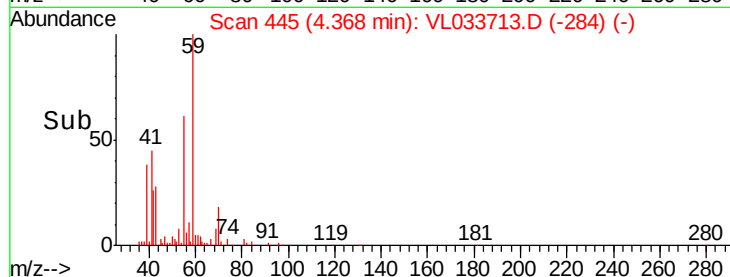
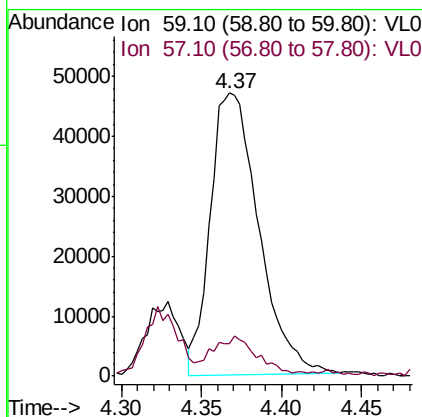
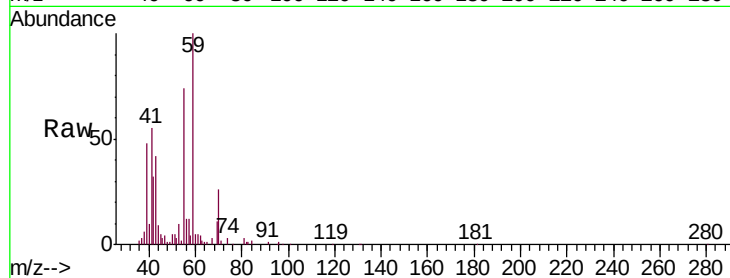


#17

tert-Butyl alcohol
 Concen: 0.819 ppbv
 RT: 4.37 min Scan# 445
 Delta R.T. 0.02 min
 Lab File: VL033713.D
 Acq: 17 May 2019 12:43

Instrument :
 MSVOA_L
 ClientSampled :
 SV-01

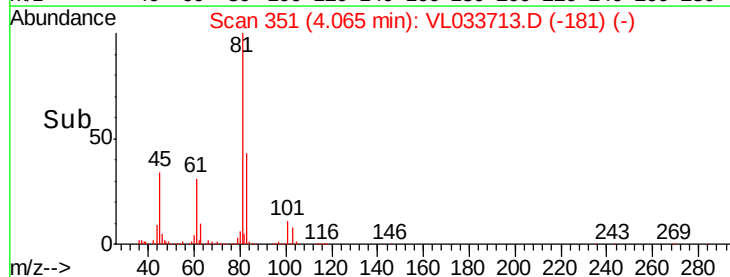
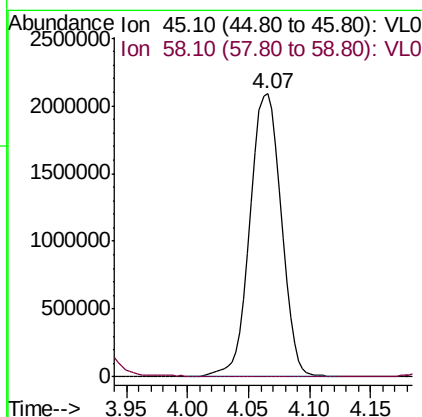
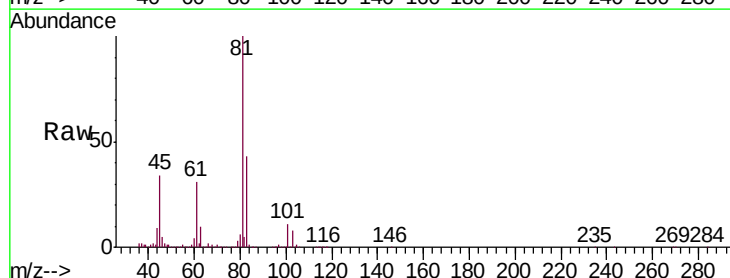
Tgt Ion: 59 Resp: 97082
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.4 12.6#

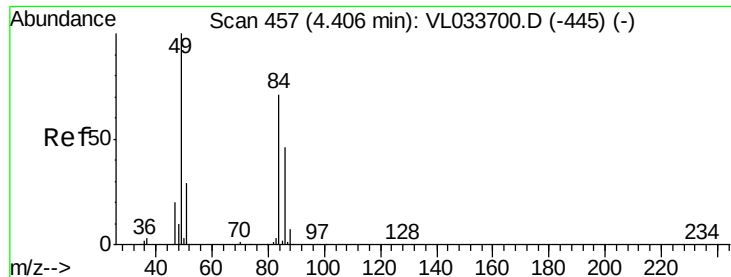


#19

Isopropyl Alcohol
 Concen: 39.114 ppbv
 RT: 4.07 min Scan# 351
 Delta R.T. 0.05 min
 Lab File: VL033713.D
 Acq: 17 May 2019 12:43

Tgt Ion: 45 Resp: 3698298
 Ion Ratio Lower Upper
 45 100
 58 153.4 1.6 2.4#

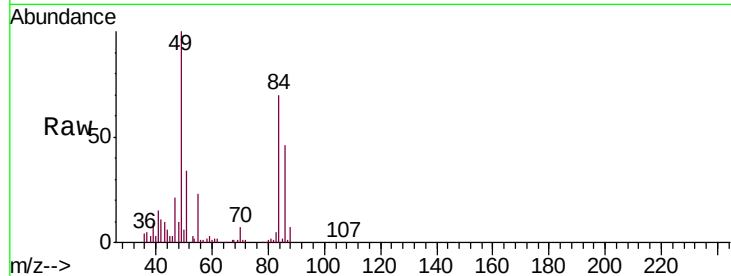




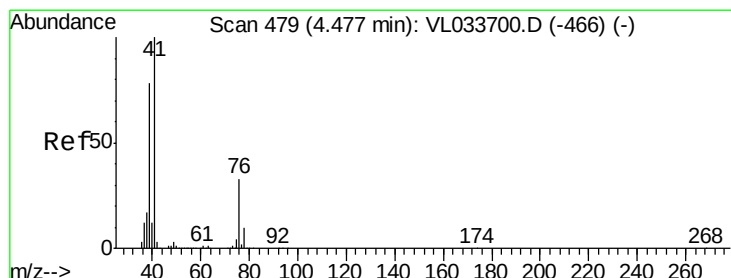
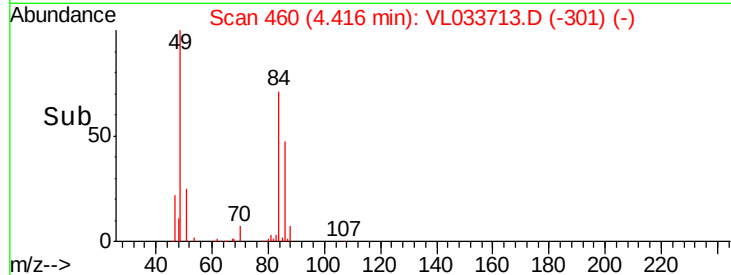
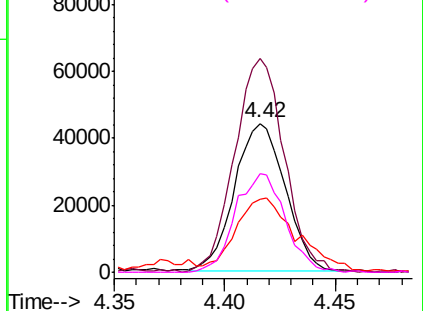
#20
Methylene Chloride
Concen: 1.256 ppbv
RT: 4.42 min Scan# 460
Delta R.T. 0.01 min
Lab File: VL033713.D
Acq: 17 May 2019 12:43

Instrument :
MSVOA_L
ClientSampleId :
SV-01

Tgt Ion: 84 Resp: 70904
Ion Ratio Lower Upper
84 100
49 143.6 112.8 169.2
51 42.6 33.4 50.0
86 66.3 51.7 77.5

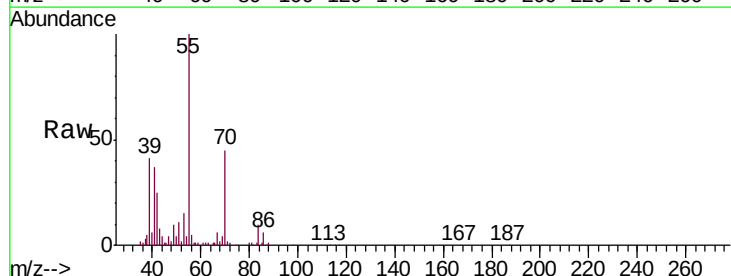


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

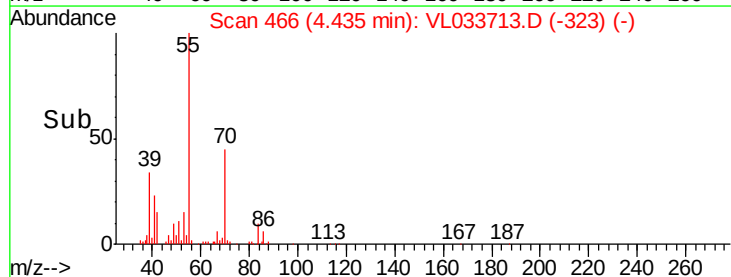
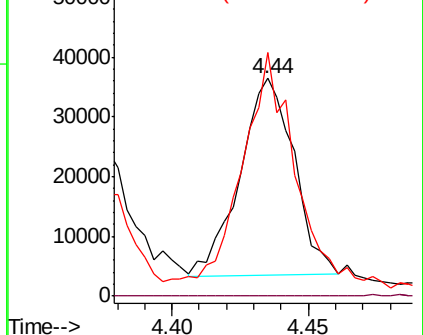


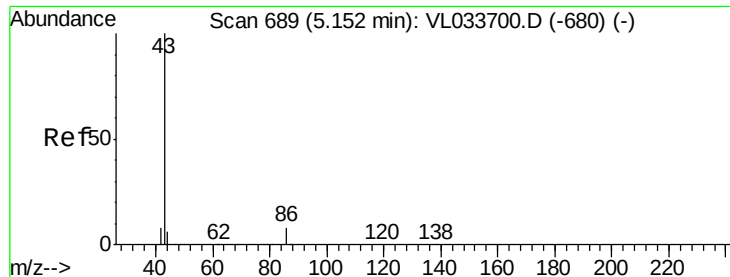
#21
Allyl Chloride
Concen: 0.497 ppbv
RT: 4.44 min Scan# 466
Delta R.T. -0.04 min
Lab File: VL033713.D
Acq: 17 May 2019 12:43

Tgt Ion: 41 Resp: 45503
Ion Ratio Lower Upper
41 100
76 0.0 25.9 38.9#
39 126.6 64.6 97.0#



Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 76.10 (75.80 to 76.80): VL0
Ion 39.10 (38.80 to 39.80): VL0





#23

Vinyl Acetate

Concen: 5.751 ppbv

RT: 5.14 min Scan# 685

Delta R.T. -0.01 min

Lab File: VL033713.D

Acq: 17 May 2019 12:43

Instrument :

MSVOA_L

ClientSampleId :

SV-01

Tgt Ion: 43 Resp: 1111923

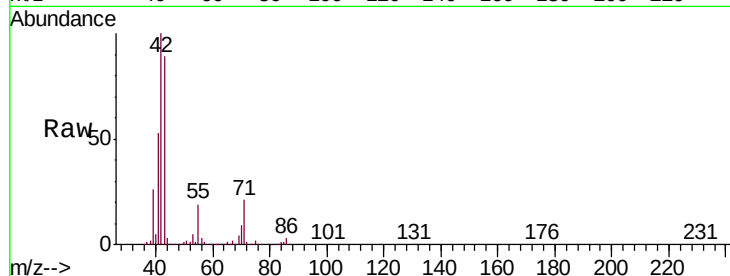
Ion Ratio Lower Upper

43 100

86 3.5 6.0 9.0#

42 113.2 7.5 11.3#

44 3.5 4.4 6.6#

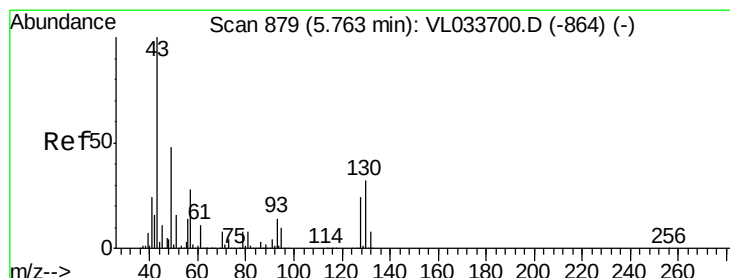
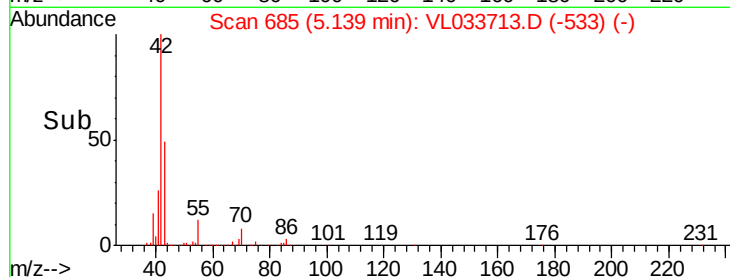
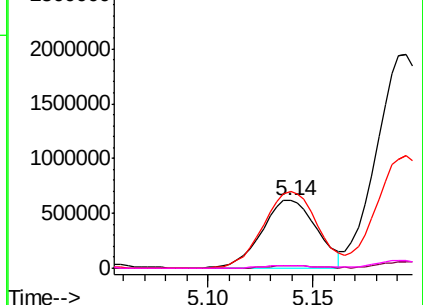


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#25

Ethyl Acetate

Concen: 7.083 ppbv

RT: 5.78 min Scan# 885

Delta R.T. 0.02 min

Lab File: VL033713.D

Acq: 17 May 2019 12:43

Tgt Ion: 43 Resp: 1824702

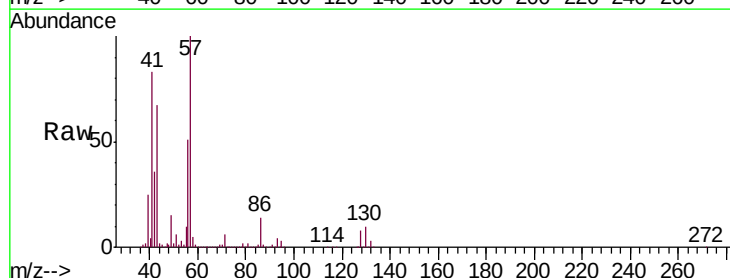
Ion Ratio Lower Upper

43 100

45 17.1 7.9 11.9#

61 1.3 7.7 11.5#

70 1.7 5.8 8.6#

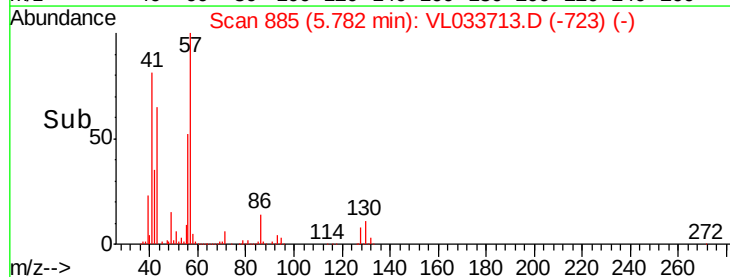
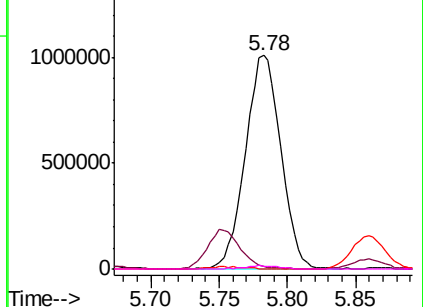


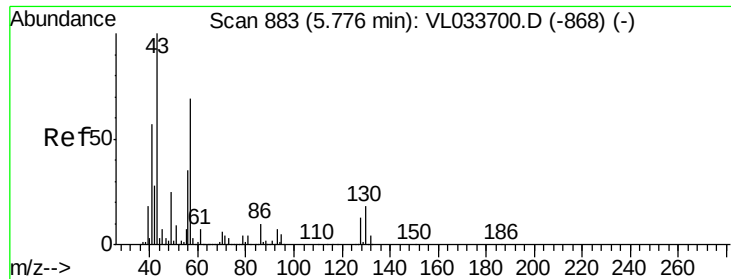
Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0





#26

Hexane

Concen: 23.830 ppbv

RT: 5.78 min Scan# 885

Delta R.T. 0.01 min

Lab File: VL033713.D

Acq: 17 May 2019 12:43

Instrument :

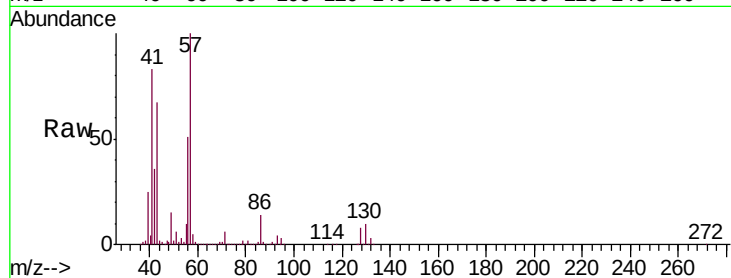
MSVOA_L

ClientSampleId :

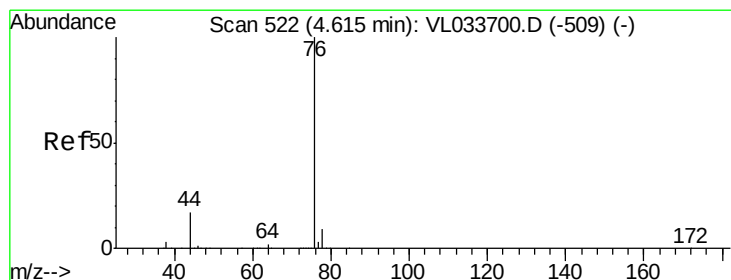
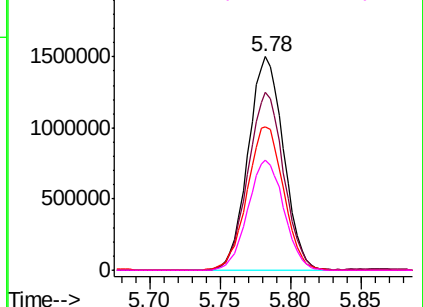
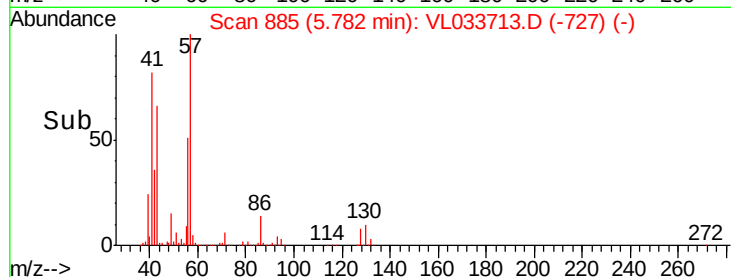
SV-01

Tgt Ion: 57 Resp: 2639052

Ion	Ratio	Lower	Upper
57	100		
41	83.9	69.8	104.6
43	69.0	181.8	272.6#
56	52.5	42.1	63.1



Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0



#27

Carbon Disulfide

Concen: 4.724 ppbv

RT: 4.62 min Scan# 524

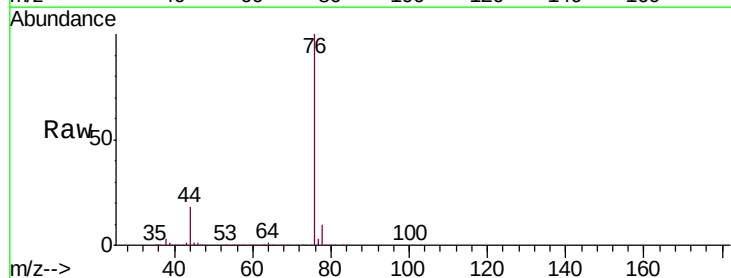
Delta R.T. 0.01 min

Lab File: VL033713.D

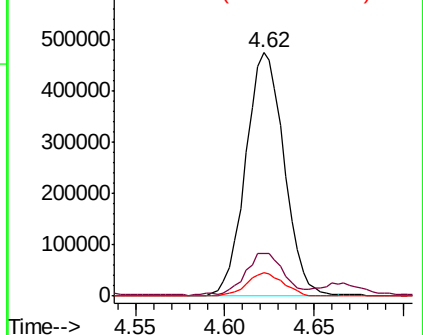
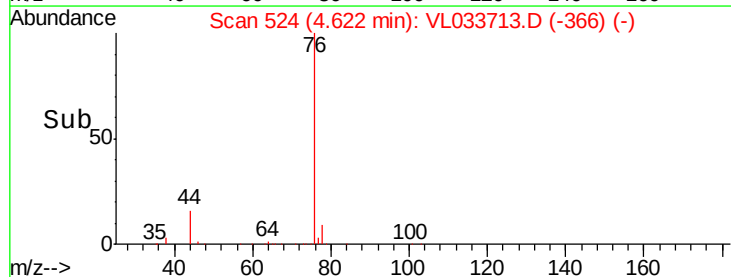
Acq: 17 May 2019 12:43

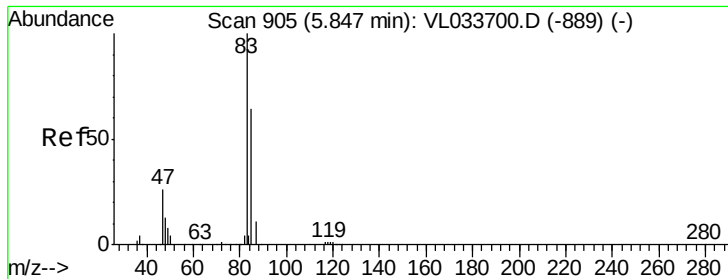
Tgt Ion: 76 Resp: 717801

Ion	Ratio	Lower	Upper
76	100		
44	17.7	13.8	20.8
78	9.1	7.4	11.0



Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0

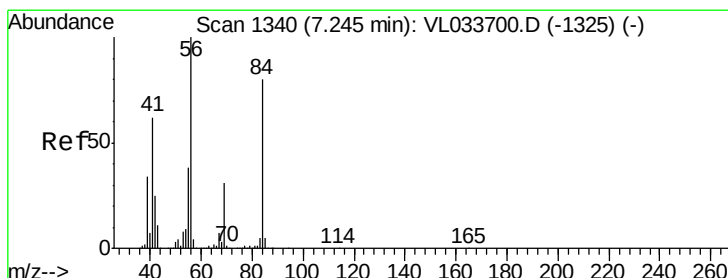
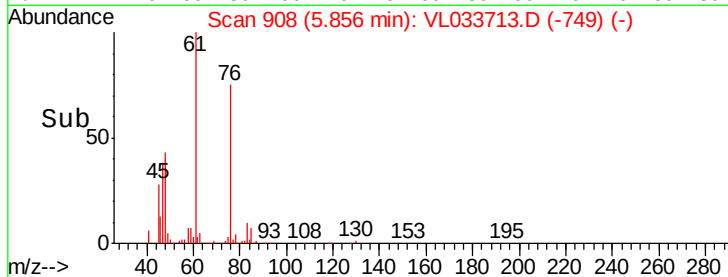
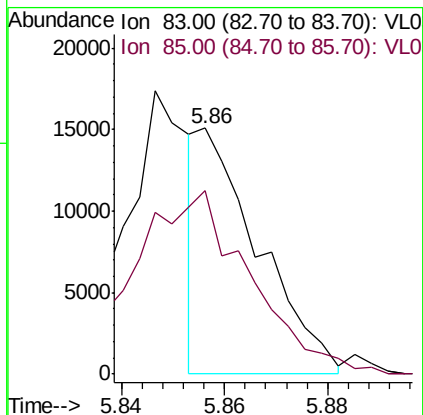
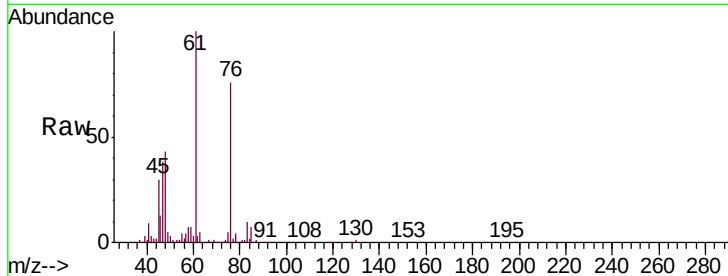




#29
Chloroform
Concen: 0.060 ppbv
RT: 5.86 min Scan# 908
Delta R.T. 0.01 min
Lab File: VL033713.D
Acq: 17 May 2019 12:43

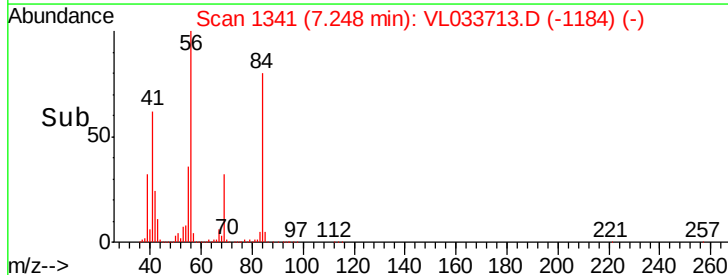
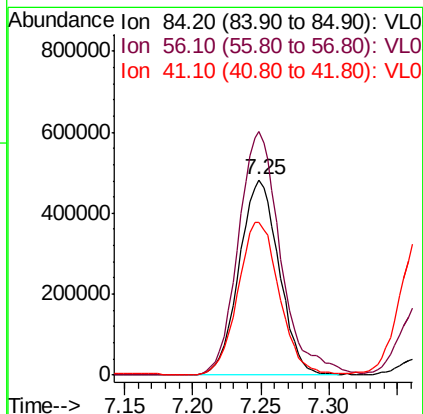
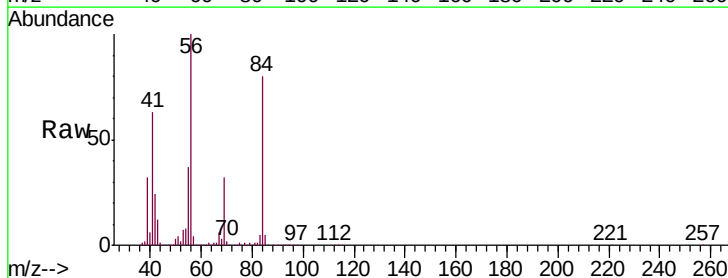
Instrument :
MSVOA_L
ClientSampleId :
SV-01

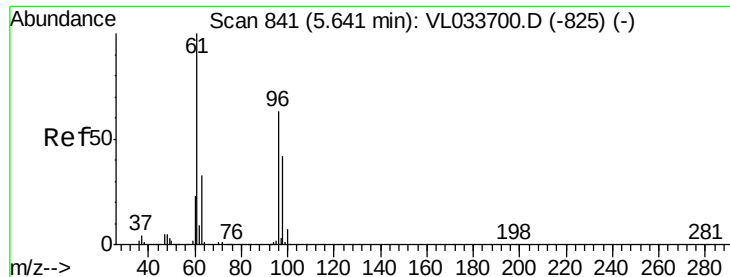
Tgt Ion: 83 Resp: 12234
Ion Ratio Lower Upper
83 100
85 70.3 51.5 77.3



#30
Cyclohexane
Concen: 10.495 ppbv
RT: 7.25 min Scan# 1341
Delta R.T. 0.00 min
Lab File: VL033713.D
Acq: 17 May 2019 12:43

Tgt Ion: 84 Resp: 977101
Ion Ratio Lower Upper
84 100
56 132.1 107.7 161.5
41 81.5 66.0 99.0



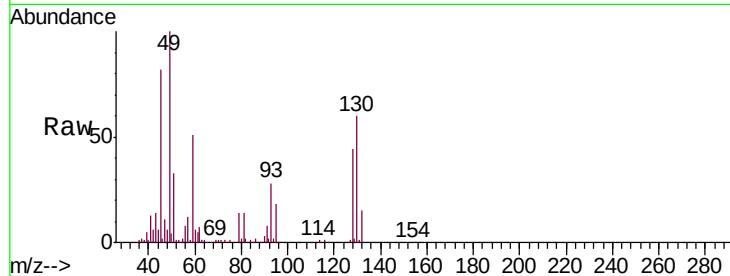


#31

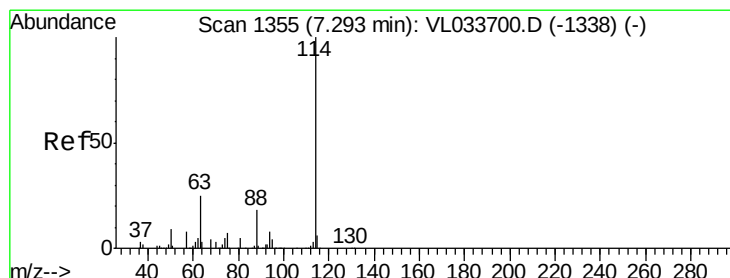
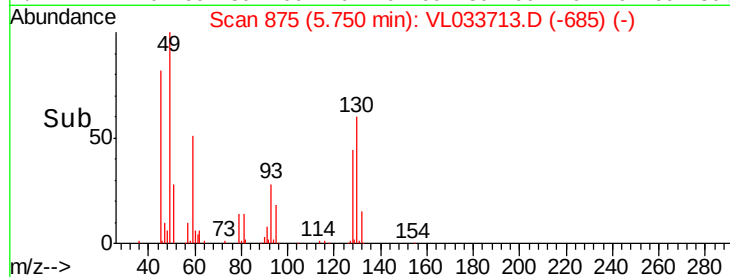
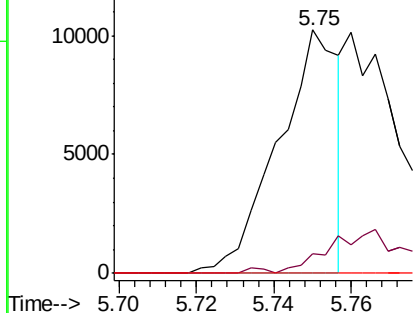
cis-1,2-Dichloroethene
 Concen: 0.101 ppbv
 RT: 5.75 min Scan# 875
 Delta R.T. 0.11 min
 Lab File: VL033713.D
 Acq: 17 May 2019 12:43

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-01

Tgt Ion	Ratio	Lower	Upper
61	100		
96	7.9	50.8	76.2#
98	0.0	33.3	49.9#



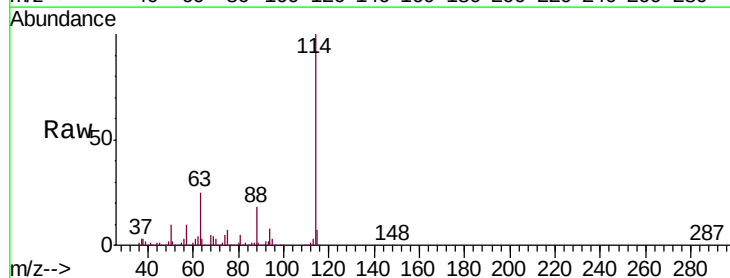
Abundance Ion 61.10 (60.80 to 61.80): VL0
 Ion 96.00 (95.70 to 96.70): VL0
 Ion 98.00 (97.70 to 98.70): VL0



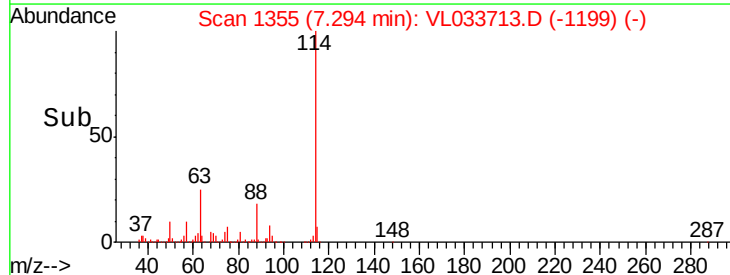
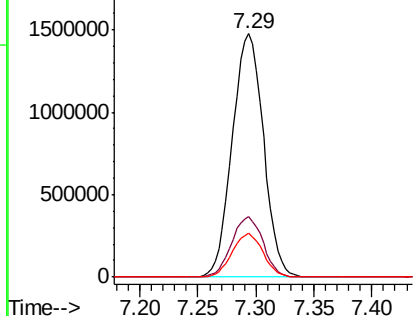
#33

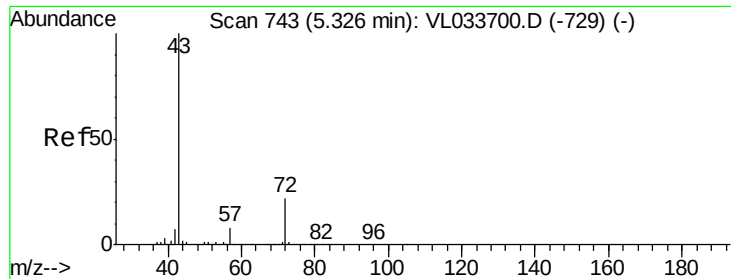
1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1355
 Delta R.T. 0.00 min
 Lab File: VL033713.D
 Acq: 17 May 2019 12:43

Tgt Ion	Ratio	Lower	Upper
114	100		
63	25.3	20.9	31.3
88	17.7	14.3	21.5



Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

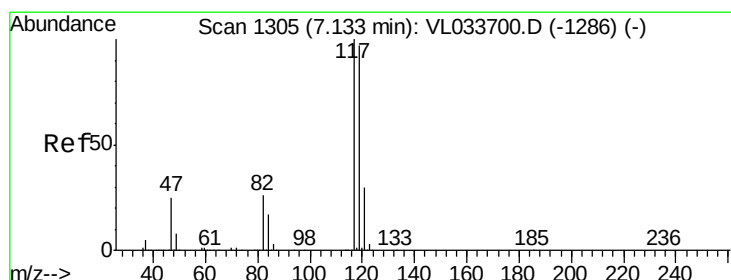
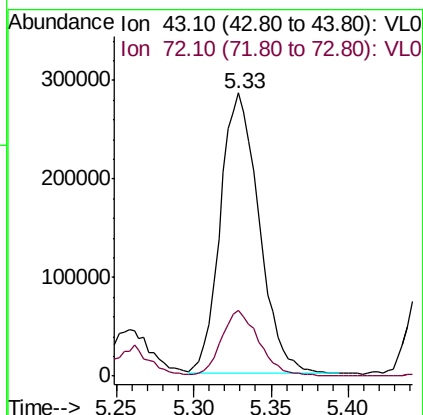
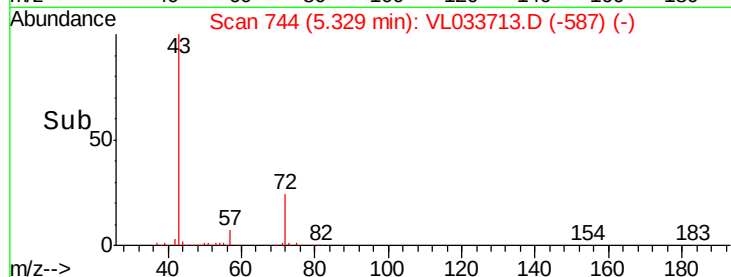
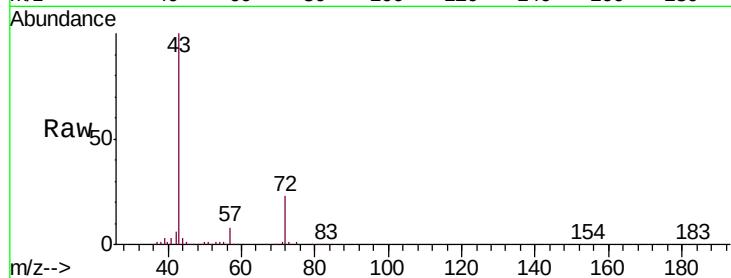




#34
2-Butanone
Concen: 2.892 ppbv
RT: 5.33 min Scan# 744
Delta R.T. 0.00 min
Lab File: VL033713.D
Acq: 17 May 2019 12:43

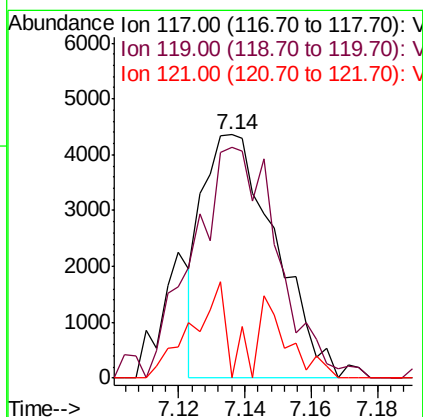
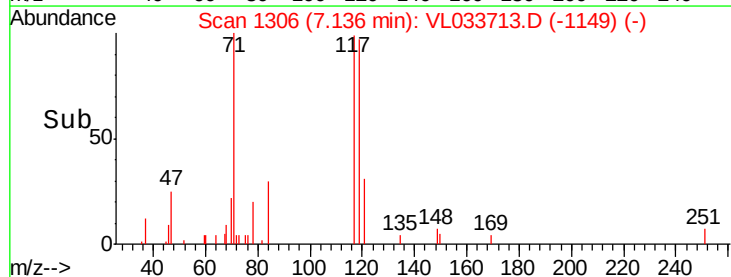
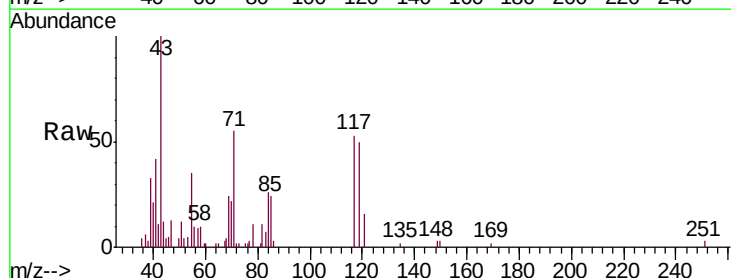
Instrument :
MSVOA_L
ClientSampleId :
SV-01

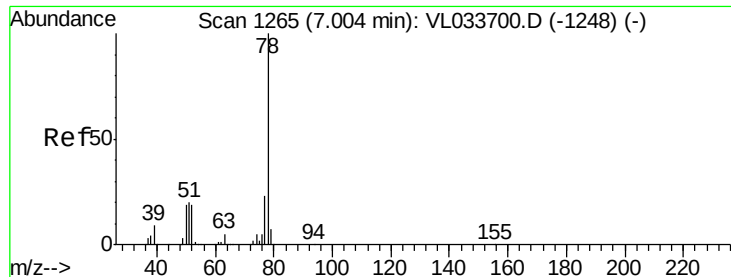
Tgt Ion: 43 Resp: 493873
Ion Ratio Lower Upper
43 100
72 23.3 17.8 26.6



#35
Carbon Tetrachloride
Concen: 0.030 ppbv
RT: 7.14 min Scan# 1306
Delta R.T. 0.00 min
Lab File: VL033713.D
Acq: 17 May 2019 12:43

Tgt Ion: 117 Resp: 6638
Ion Ratio Lower Upper
117 100
119 90.8 77.2 115.8
121 0.0 24.1 36.1#





#36

Benzene

Concen: 6.595 ppbv

RT: 7.01 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VL033713.D

Acq: 17 May 2019 12:43

Instrument :

MSVOA_L

ClientSampleID :

SV-01

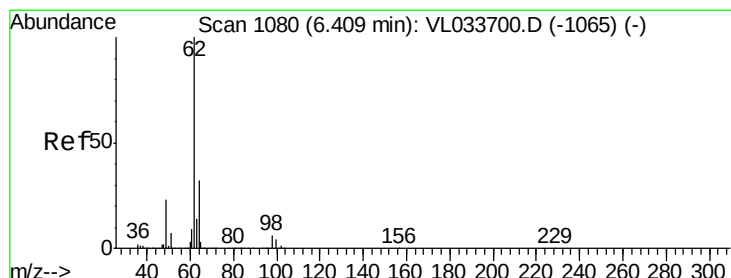
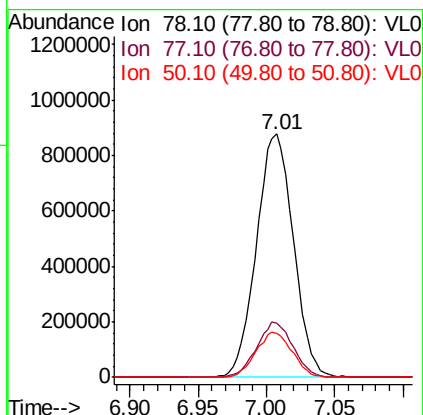
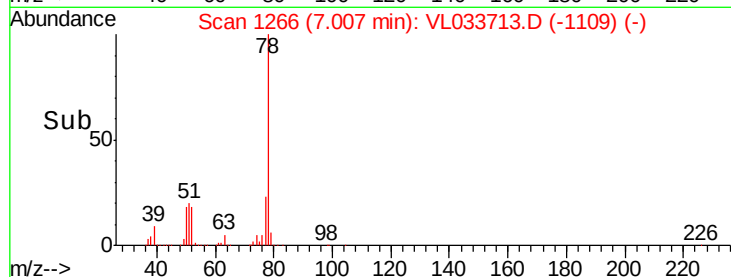
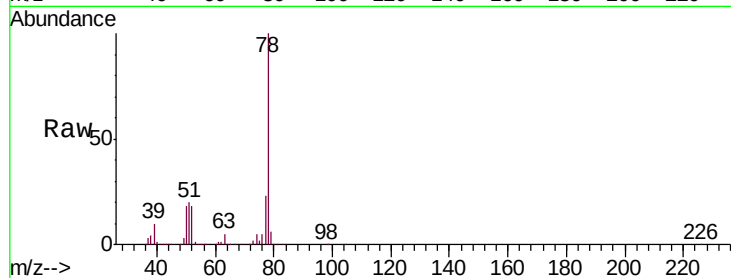
Tgt Ion: 78 Resp: 1653165

Ion Ratio Lower Upper

78 100

77 22.5 18.4 27.6

50 18.0 15.5 23.3



#37

1,2-Dichloroethane

Concen: 0.029 ppbv

RT: 6.42 min Scan# 1082

Delta R.T. 0.01 min

Lab File: VL033713.D

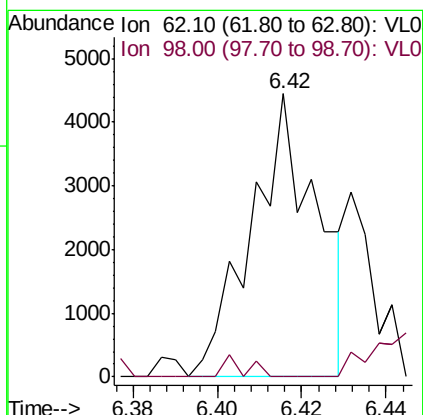
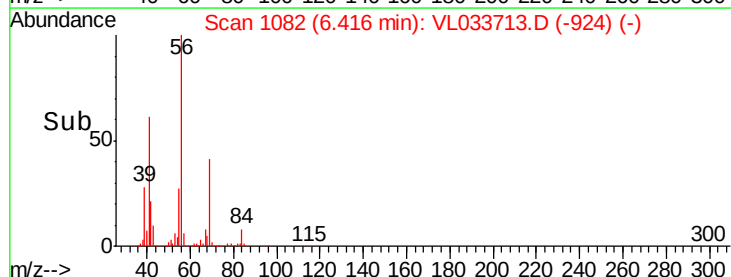
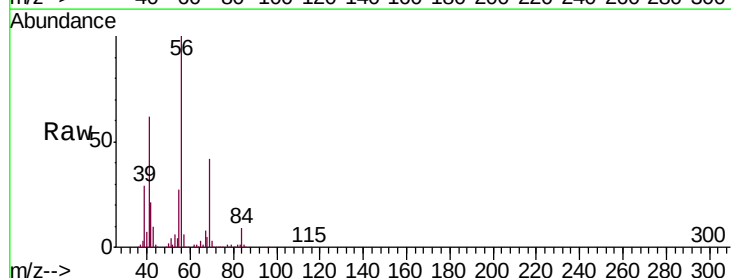
Acq: 17 May 2019 12:43

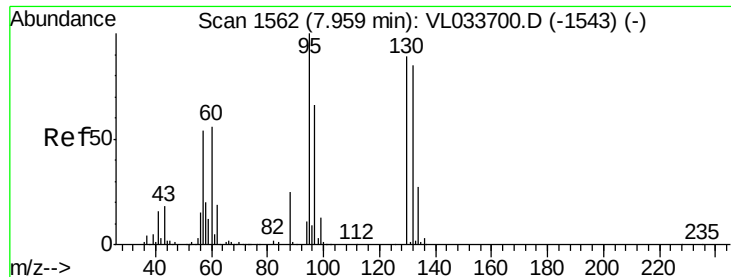
Tgt Ion: 62 Resp: 4753

Ion Ratio Lower Upper

62 100

98 2.5 4.5 6.7#





#38

Trichloroethene

Concen: 0.193 ppbv

RT: 7.96 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VL033713.D

Acq: 17 May 2019 12:43

Instrument :

MSVOA_L

ClientSampleId :

SV-01

Tgt Ion:130 Resp: 17960

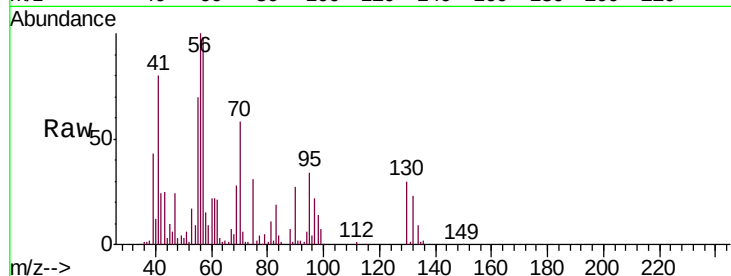
Ion Ratio Lower Upper

130 100

95 107.1 90.2 135.4

132 77.9 76.4 114.6

97 68.4 59.8 89.6

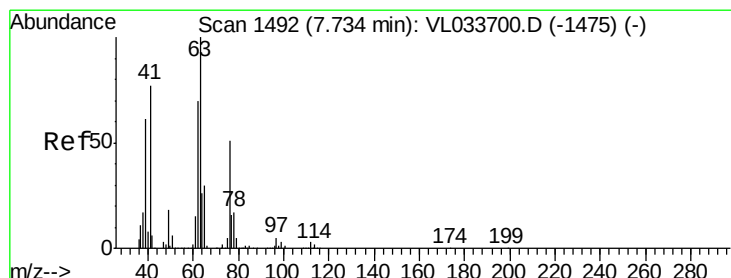
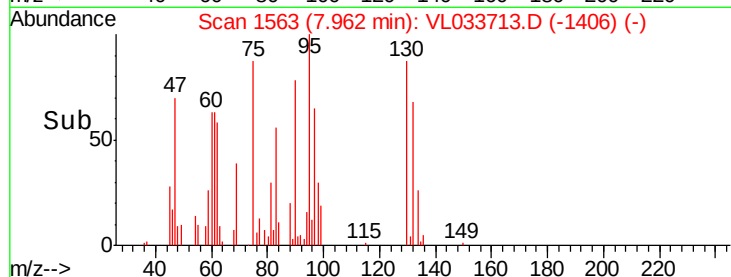
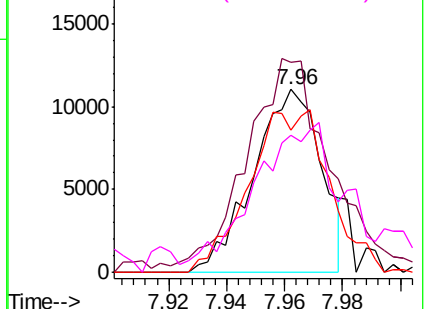


Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0



#39

1,2-Dichloropropane

Concen: 7.364 ppbv

RT: 7.29 min Scan# 1355

Delta R.T. -0.44 min

Lab File: VL033713.D

Acq: 17 May 2019 12:43

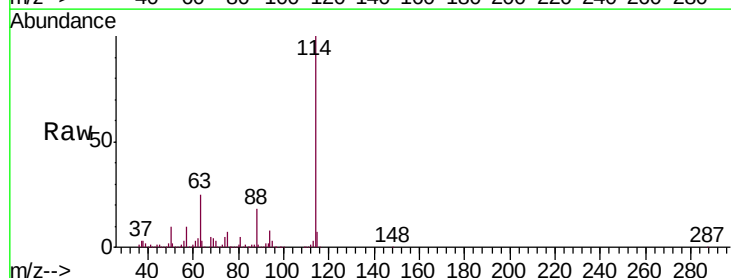
Tgt Ion: 63 Resp: 688164

Ion Ratio Lower Upper

63 100

41 0.0 61.5 92.3#

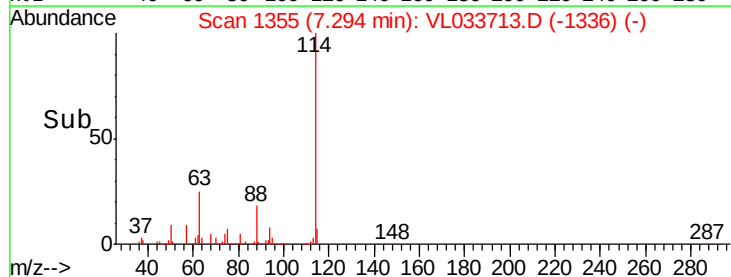
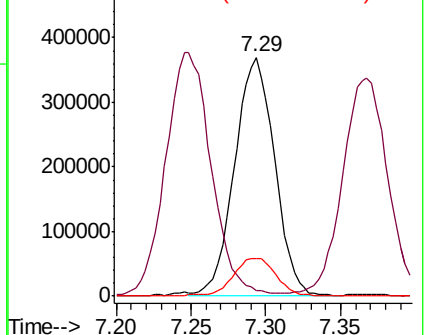
62 15.5 56.2 84.4#

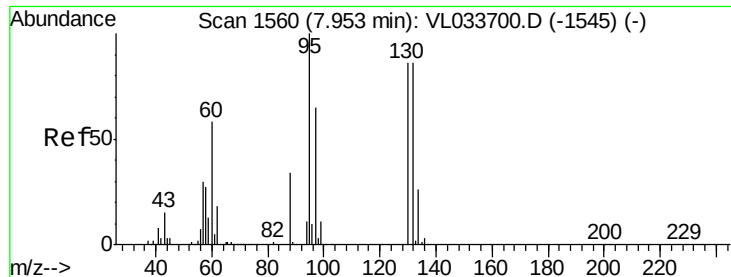


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0

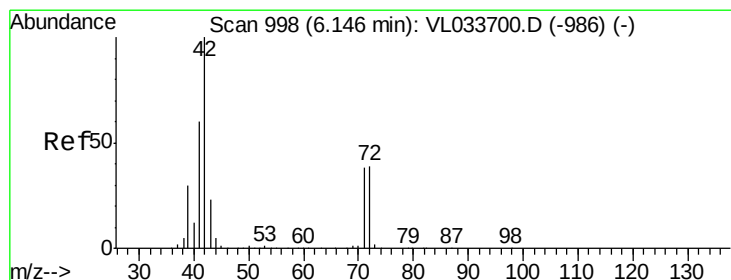
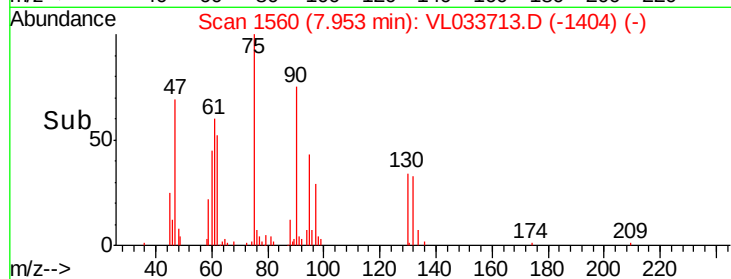
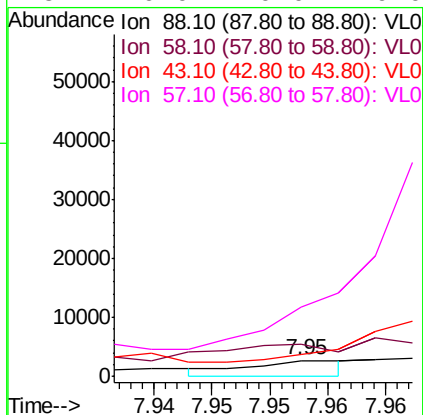
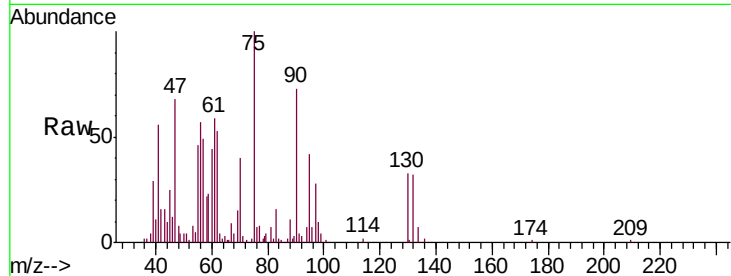




#40
1,4-Dioxane
Concen: 0.042 ppbv
RT: 7.95 min Scan# 1560
Delta R.T. 0.00 min
Lab File: VL033713.D
Acq: 17 May 2019 12:43

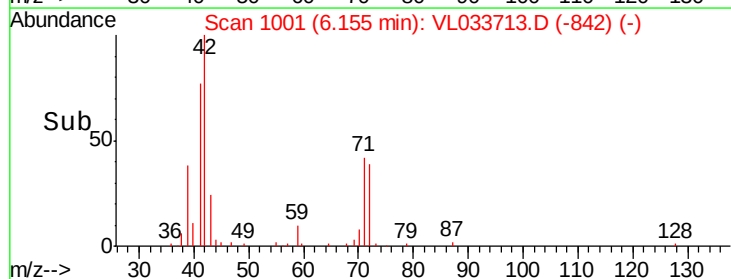
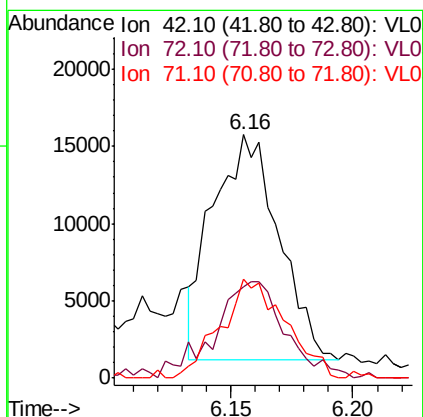
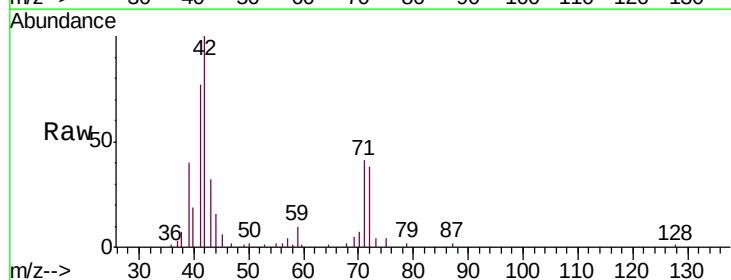
Instrument :
MSVOA_L
ClientSampleId :
SV-01

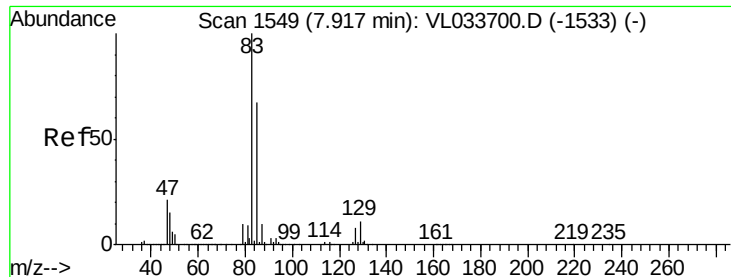
Tgt Ion: 88 Resp: 1625
Ion Ratio Lower Upper
88 100
58 0.0 101.8 152.6#
43 0.0 0.0 0.0
57 0.0 0.0 0.0



#41
Tetrahydrofuran
Concen: 0.286 ppbv
RT: 6.16 min Scan# 1001
Delta R.T. 0.01 min
Lab File: VL033713.D
Acq: 17 May 2019 12:43

Tgt Ion: 42 Resp: 27399
Ion Ratio Lower Upper
42 100
72 48.6 32.0 48.0#
71 43.9 30.4 45.6





#42

Bromodichloromethane

Concen: 0.248 ppbv

RT: 7.92 min Scan# 1549

Delta R.T. 0.00 min

Lab File: VL033713.D

Acq: 17 May 2019 12:43

Instrument :

MSVOA_L

ClientSampleId :

SV-01

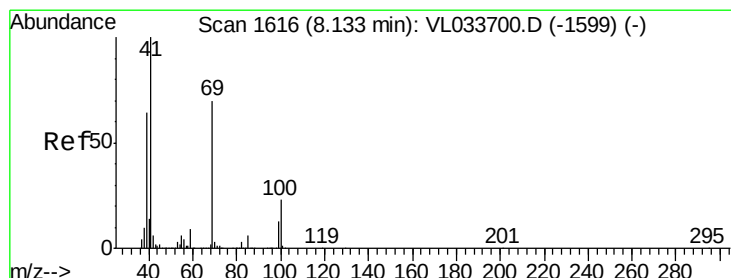
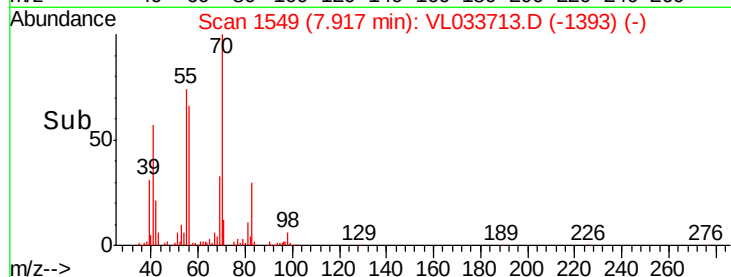
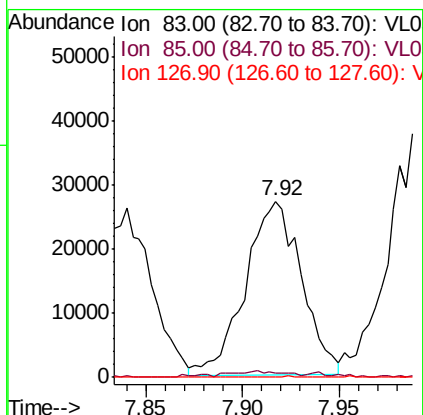
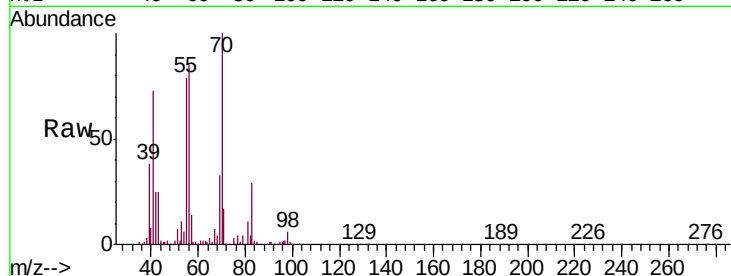
Tgt Ion: 83 Resp: 54875

Ion Ratio Lower Upper

83 100

85 1.4 53.3 79.9#

127 0.0 6.5 9.7#



#43

Methyl Methacrylate

Concen: 0.187 ppbv

RT: 8.25 min Scan# 1652

Delta R.T. 0.12 min

Lab File: VL033713.D

Acq: 17 May 2019 12:43

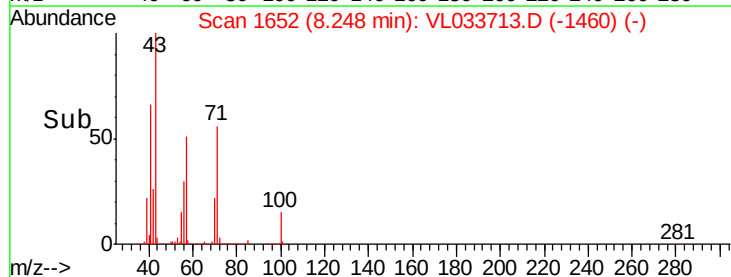
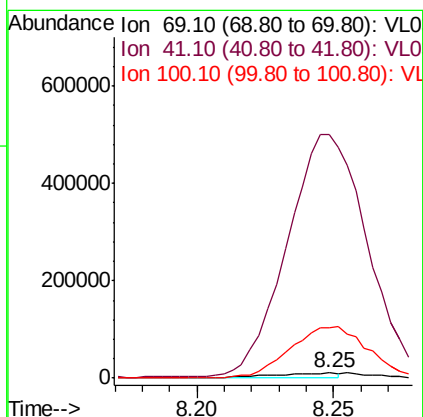
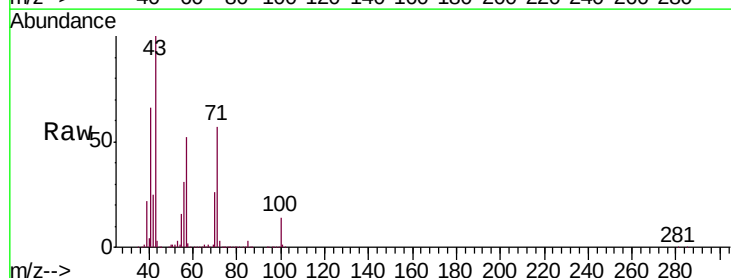
Tgt Ion: 69 Resp: 17278

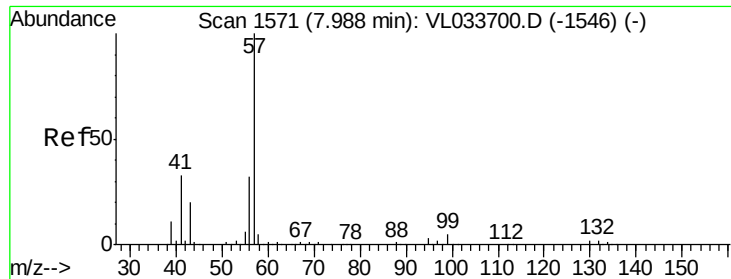
Ion Ratio Lower Upper

69 100

41 5962.3 116.3 174.5#

100 0.0 25.3 37.9#





#44

2,2,4-Trimethylpentane

Concen: 1.192 ppbv

RT: 7.99 min Scan# 1573

Delta R.T. 0.01 min

Lab File: VL033713.D

Acq: 17 May 2019 12:43

Instrument :

MSVOA_L

ClientSampleId :

SV-01

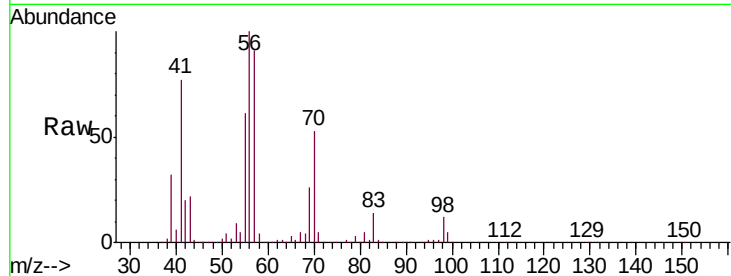
Tgt Ion: 57 Resp: 504979

Ion Ratio Lower Upper

57 100

41 86.7 25.4 38.0#

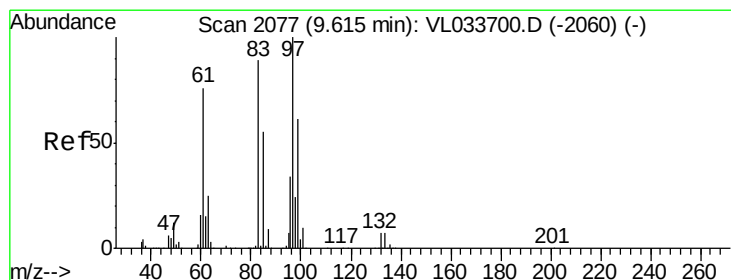
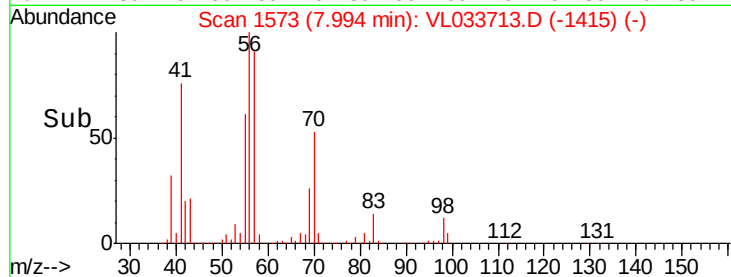
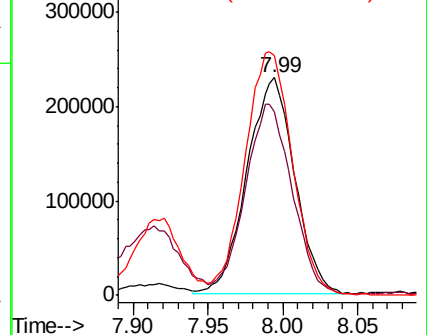
56 113.3 24.7 37.1#



Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#47

1,1,2-Trichloroethane

Concen: 0.376 ppbv

RT: 9.71 min Scan# 2106

Delta R.T. 0.09 min

Lab File: VL033713.D

Acq: 17 May 2019 12:43

Tgt Ion: 97 Resp: 39888

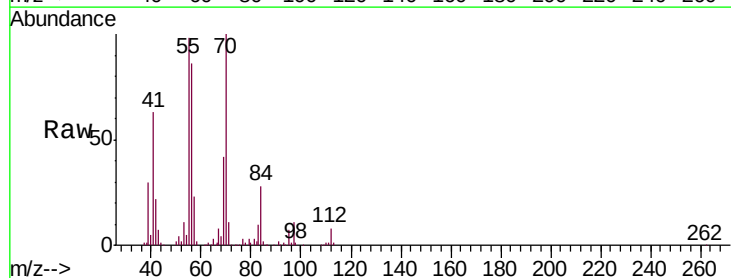
Ion Ratio Lower Upper

97 100

83 79.8 70.8 106.2

85 15.0 43.7 65.5#

99 0.0 48.7 73.1#

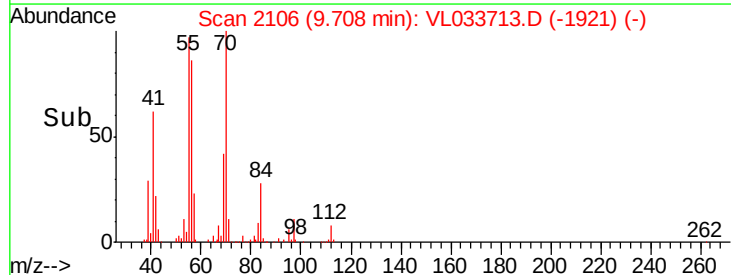
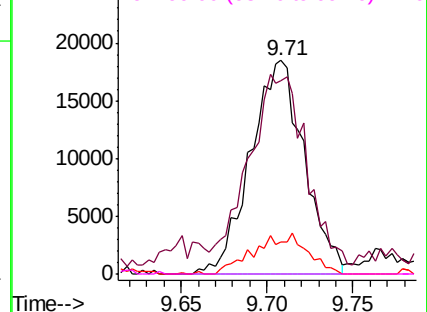


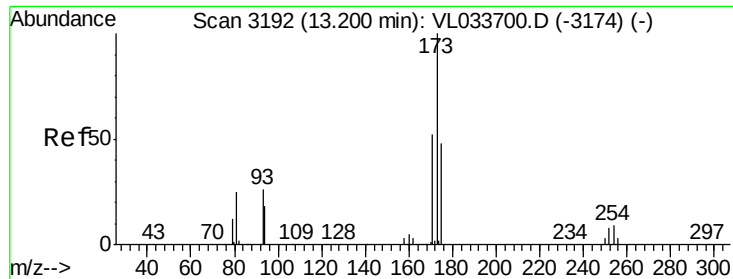
Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0





#49

Bromoform

Concen: 0.014 ppbv

RT: 13.20 min Scan# 3191

Delta R.T. -0.00 min

Lab File: VL033713.D

Acq: 17 May 2019 12:43

Instrument :

MSVOA_L

ClientSampleId :

SV-01

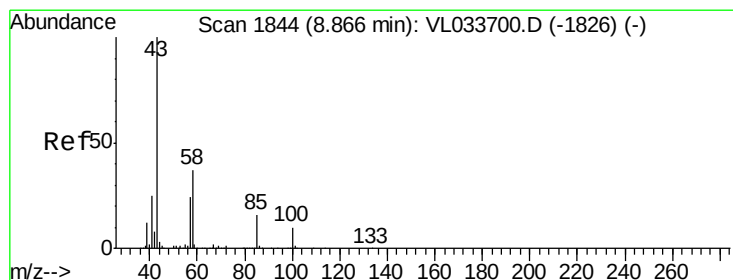
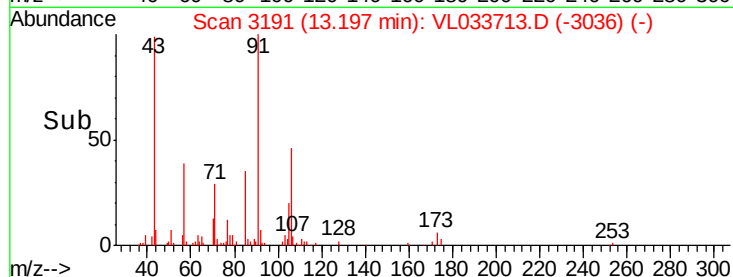
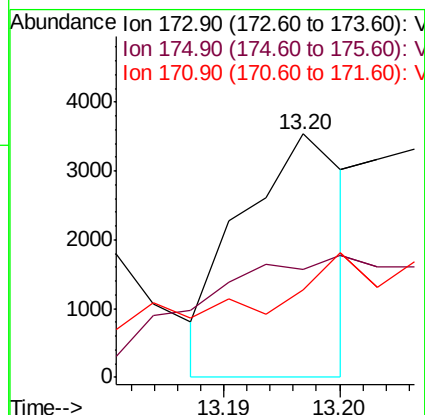
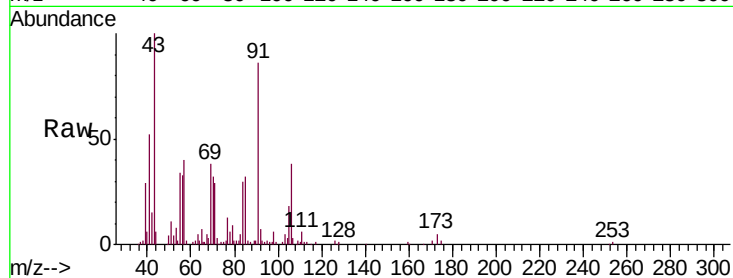
Tgt Ion:173 Resp: 2208

Ion Ratio Lower Upper

173 100

175 176.0 38.6 58.0#

171 0.0 41.5 62.3#



#50

4-Methyl-2-Pentanone

Concen: 0.089 ppbv

RT: 8.89 min Scan# 1850

Delta R.T. 0.02 min

Lab File: VL033713.D

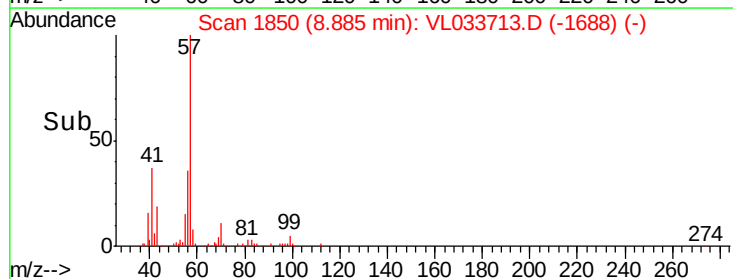
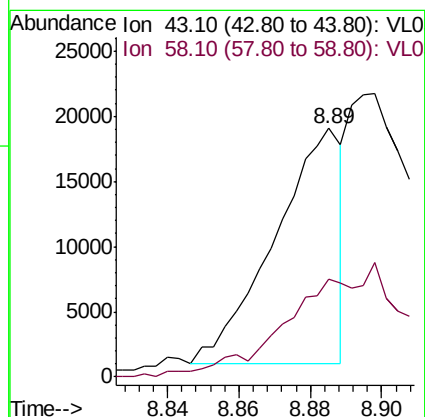
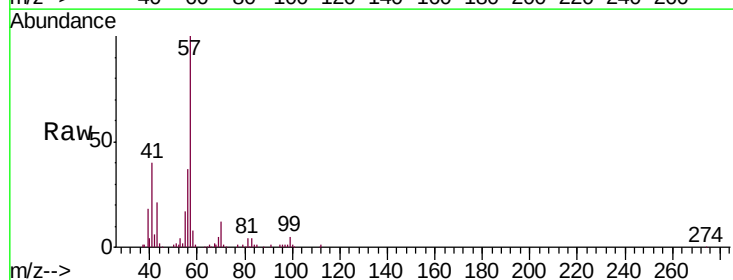
Acq: 17 May 2019 12:43

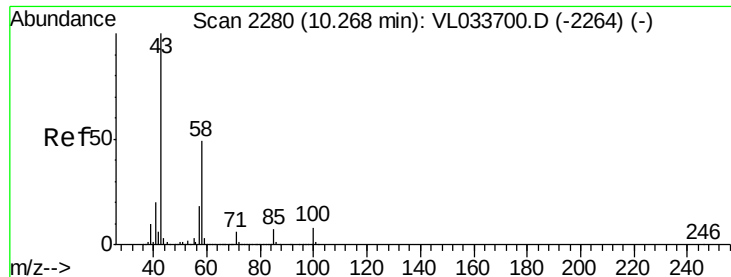
Tgt Ion: 43 Resp: 23511

Ion Ratio Lower Upper

43 100

58 0.0 28.6 43.0#

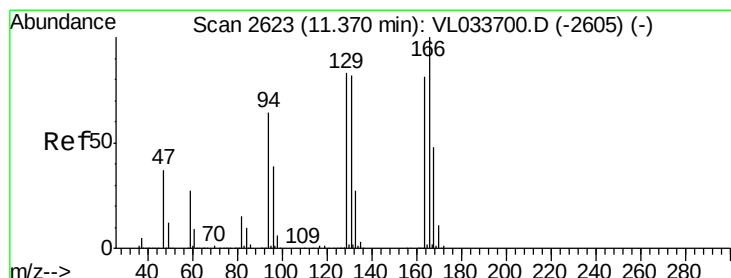
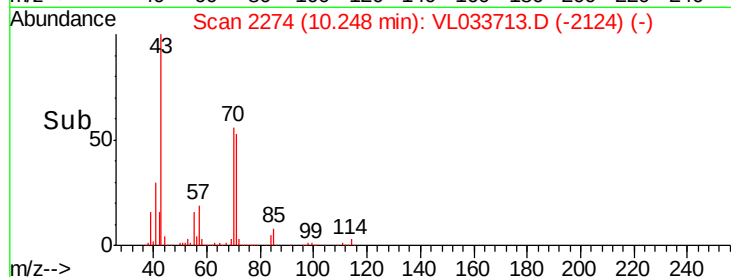
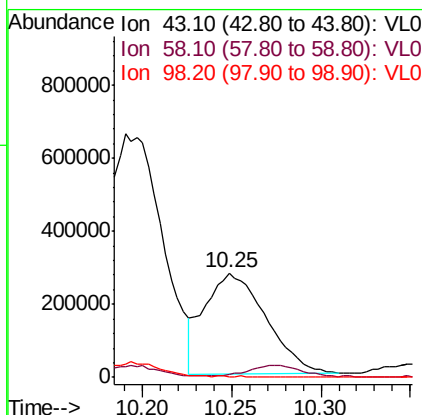
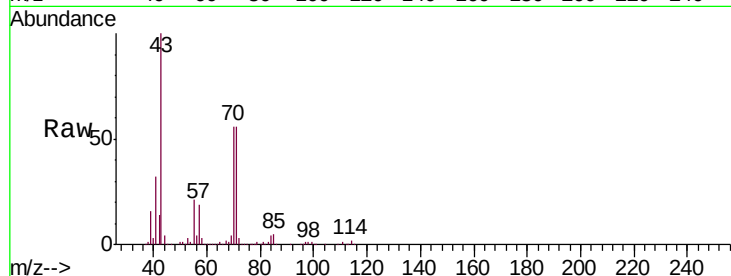




#51
2-Hexanone
Concen: 3.196 ppbv
RT: 10.25 min Scan# 2274
Delta R.T. -0.02 min
Lab File: VL033713.D
Acq: 17 May 2019 12:43

Instrument :
MSVOA_L
ClientSampled :
SV-01

Tgt Ion: 43 Resp: 655203
Ion Ratio Lower Upper
43 100
58 11.0 38.7 58.1#
98 0.0 0.2 0.4#



#52
Tetrachloroethene
Concen: 0.192 ppbv
RT: 11.37 min Scan# 2623
Delta R.T. 0.00 min
Lab File: VL033713.D
Acq: 17 May 2019 12:43

Tgt Ion: 164 Resp: 16920
Ion Ratio Lower Upper
164 100
166 130.1 98.9 148.3
129 99.8 81.8 122.6
131 96.2 81.1 121.7

