

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL082020\
 Data File : VL035472.D
 Acq On : 20 Aug 2020 12:31
 Operator : SY/AP
 Sample : VL0820ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0820ABS01

Quant Time: Aug 21 05:56:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Aug 17 19:28:30 2020
 QLast Update : Mon Aug 17 19:28:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1045418	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	4803233	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	6295045	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.43	95	3438770	7.80	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	78.00%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.04	85	1741661	8.989 ppbv	98
3) Chlorodifluoromethane	2.98	51	1286526	9.815 ppbv #	91
4) Chloromethane	3.13	50	681602	9.981 ppbv	95
5) Vinyl Chloride	3.25	62	806934	9.888 ppbv	96
6) Bromomethane	3.47	94	730321	10.232 ppbv	99
7) Chloroethane	3.55	64	305148	10.149 ppbv	91
8) Dichlorotetrafluoroethane	3.18	85	2368389	9.546 ppbv #	61
9) Propene	3.00	41	503672	9.560 ppbv	100
10) Heptane	8.13	43	1372750	9.937 ppbv #	78
11) Trichlorofluoromethane	3.94	101	2967282	9.760 ppbv	95
12) 1,1,2-Trichlorotrifluoroet	4.48	101	2237387	9.875 ppbv #	80
13) Ethanol	3.60	45	124984	6.475 ppbv	99
14) Bromoethene	3.73	108	1016526	10.153 ppbv #	94
15) Acetone	3.84	43	1060567	8.814 ppbv #	83
16) 1,3-Butadiene	3.32	39	491962	10.082 ppbv #	65
17) tert-Butyl alcohol	4.29	59	1595991	10.262 ppbv	98
18) 1,1-Dichloroethene	4.29	96	1024940	10.246 ppbv #	60
19) Isopropyl Alcohol	3.97	45	807006	9.731 ppbv #	97
20) Methylene Chloride	4.34	84	862159	8.880 ppbv #	64
21) Allyl Chloride	4.41	41	643776	10.529 ppbv #	81
22) trans-1,2-Dichloroethene	4.88	96	1086605	10.178 ppbv #	63
23) Vinyl Acetate	5.07	43	1755534	10.206 ppbv #	93
24) 1,1-Dichloroethane	5.01	63	1705634	9.936 ppbv #	94
25) Ethyl Acetate	5.68	43	2232759	9.536 ppbv #	93
26) Hexane	5.69	57	1272736	9.632 ppbv #	75
27) Carbon Disulfide	4.55	76	2080400	10.892 ppbv #	85
28) Methyl tert-Butyl Ether	5.03	73	2379328	9.857 ppbv	91
29) Chloroform	5.75	83	2651551	9.987 ppbv	98
30) Cyclohexane	7.13	84	1495101	10.199 ppbv #	61
31) cis-1,2-Dichloroethene	5.55	61	1413378	10.170 ppbv #	64
32) 1,1,1-Trichloroethane	6.52	97	2713571	10.906 ppbv #	90
34) 2-Butanone	5.24	43	1553965	9.683 ppbv #	73
35) Carbon Tetrachloride	7.02	117	2903182	11.365 ppbv	99
36) Benzene	6.90	78	3404529	9.657 ppbv #	93
37) 1,2-Dichloroethane	6.31	62	1632996	10.136 ppbv #	90
38) Trichloroethene	7.84	130	1907071	9.725 ppbv #	84
39) 1,2-Dichloropropane	7.62	63	1149609	9.894 ppbv #	85
40) 1,4-Dioxane	7.84	88	608111	9.608 ppbv #	25
41) Tetrahydrofuran	6.05	42	900277	10.170 ppbv #	62
42) Bromodichloromethane	7.80	83	2833343	10.509 ppbv #	98
43) Methyl Methacrylate	8.02	69	1424732	10.334 ppbv #	59

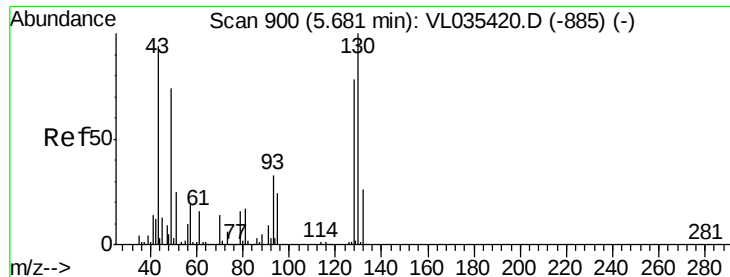
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL082020\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	4340915	9.429	ppbv #	93
45) t-1,3-Dichloropropene	9.29	75	1643461	11.573	ppbv	97
46) cis-1,3-Dichloropropene	8.71	75	1932975	10.926	ppbv #	75
47) 1,1,2-Trichloroethane	9.48	97	1730734	9.973	ppbv	93
48) Dibromochloromethane	10.32	129	3140411	10.787	ppbv	99
49) Bromoform	13.06	173	3136591	11.184	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	2313415	10.050	ppbv #	81
51) 2-Hexanone	10.14	43	1990330	10.257	ppbv #	78
52) Tetrachloroethene	11.24	164	2062595	9.592	ppbv #	84
53) Toluene	9.82	91	4440936	9.780	ppbv	98
54) 1,2-Dibromoethane	10.62	107	2814231	9.985	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.14	131	2457328	8.229	ppbv	97
57) Chlorobenzene	12.16	112	3901035	7.424	ppbv #	82
58) Ethyl Benzene	12.73	91	5846325	7.693	ppbv #	83
59) m/p-Xylene	13.01	91	5069683	7.892	ppbv #	6
60) o-Xylene	13.71	91	4831426	7.739	ppbv	86
61) Styrene	13.55	104	4064978	8.058	ppbv #	90
62) Isopropylbenzene	14.69	105	7493311	7.323	ppbv #	87
63) 1,1,2,2-Tetrachloroethane	13.70	83	3401274	7.584	ppbv	97
64) n-propylbenzene	15.58	120	2511362	7.963	ppbv #	45
65) tert-Butylbenzene	16.77	119	7317720	7.359	ppbv #	83
66) Benzyl Chloride	17.01	91	2499533	10.450	ppbv #	89
67) sec-Butylbenzene	17.32	105	9279908	7.091	ppbv #	83
69) p-Isopropyltoluene	17.68	119	8402455	7.236	ppbv #	90
70) n-Butylbenzene	18.57	91	8103322	7.388	ppbv #	90
71) 2-Chlorotoluene	15.47	91	5739792	7.731	ppbv	77
72) 4-Ethyltoluene	15.86	105	6325290	7.720	ppbv #	91
73) 1,3,5-Trimethylbenzene	16.02	105	5927209	7.775	ppbv #	81
74) 1,2,4-Trimethylbenzene	16.79	105	6161298	7.438	ppbv #	91
75) 1,3-Dichlorobenzene	17.02	146	4706972	7.357	ppbv	92
76) 1,4-Dichlorobenzene	17.16	146	4795643	7.606	ppbv	92
77) 1,2-Dichlorobenzene	17.84	146	4722744	7.536	ppbv	92
78) Hexachloro-1,3-Butadiene	23.40	225	3496554	7.057	ppbv	98
79) Naphthalene	22.23	128	8684661	7.445	ppbv	96
80) Naphthalene, 2-methyl-	24.99	142	3946574	8.187	ppbv #	93
81) 1,2,4-Trichlorobenzene	21.96	180	5267788	7.491	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 897

Delta R.T. -0.00 min

Lab File: VL035472.D

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ClientSampleId :

VL0820ABS01

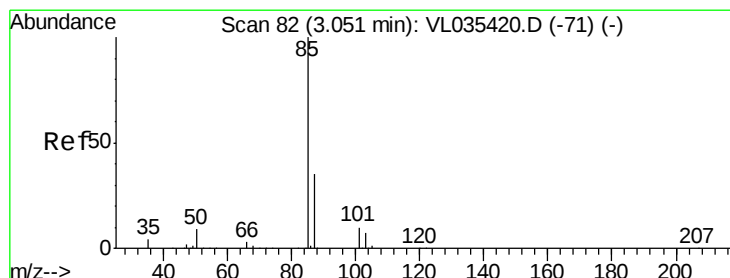
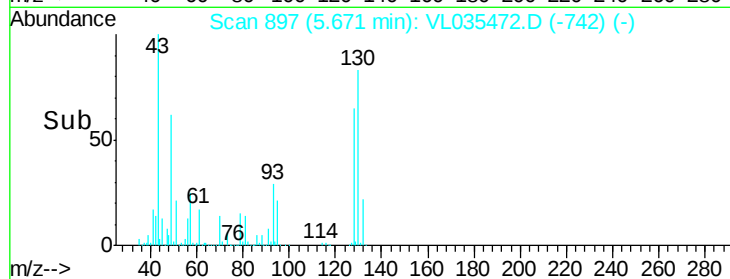
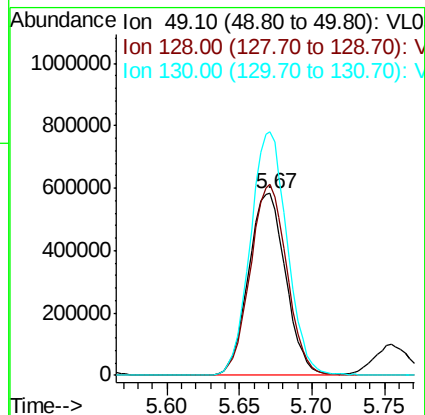
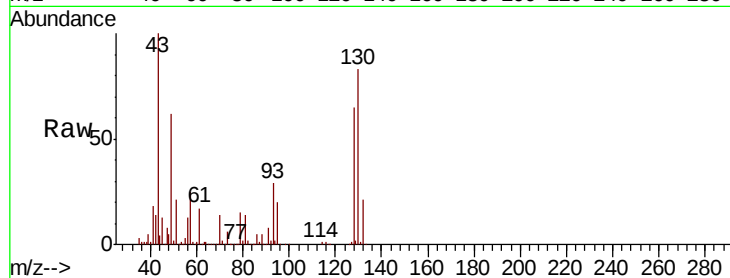
Tot Ion: 49 Resp: 1045418

Ion Ratio Lower Upper

49 100

128 103.7 20.9 62.7#

130 133.2 26.7 80.1#



#2

Dichlorodifluoromethane

Concen: 8.989 ppbv

RT: 3.04 min Scan# 79

Delta R.T. -0.00 min

Lab File: VL035472.D

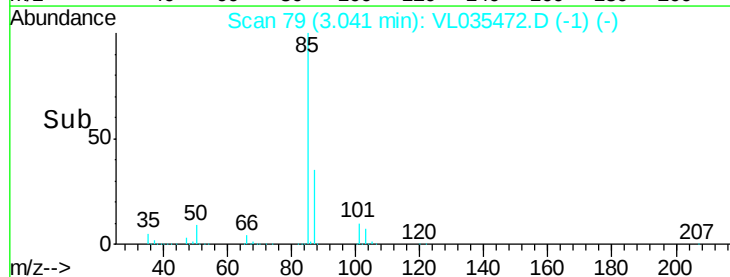
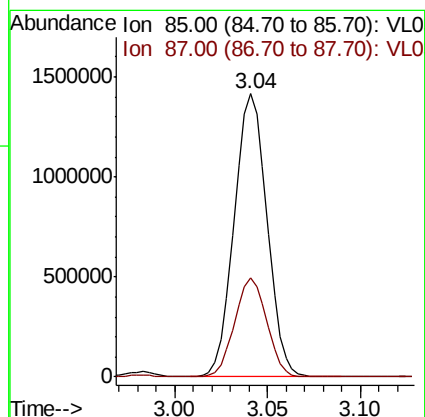
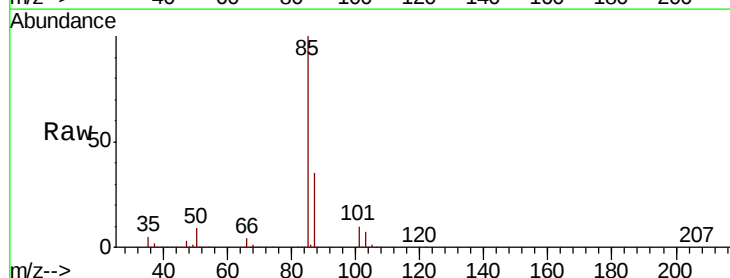
Acq: 20 Aug 2020 12:31

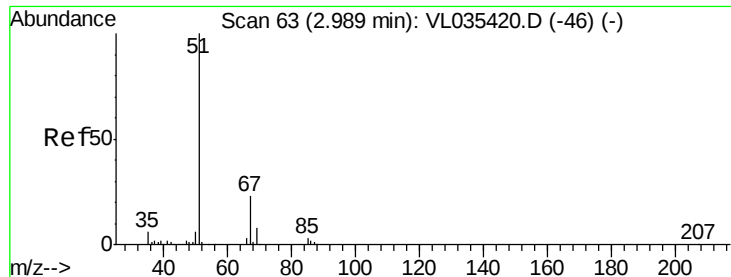
Tgt Ion: 85 Resp: 1741661

Ion Ratio Lower Upper

85 100

87 35.2 27.1 40.7





#3

Chlorodifluoromethane

Concen: 9.815 ppbv

RT: 2.98 min Scan# 60

Delta R.T. -0.00 min

Lab File: VL035472.D

Acq: 20 Aug 2020 12:31

Instrument :

MSVOA_L

ClientSampleId :

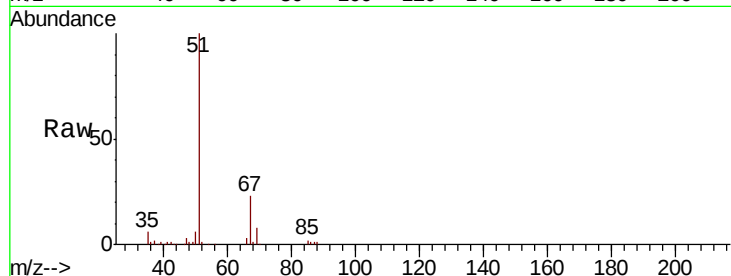
VL0820ABS01

Tot Ion: 51 Resp: 1286526

Ion Ratio Lower Upper

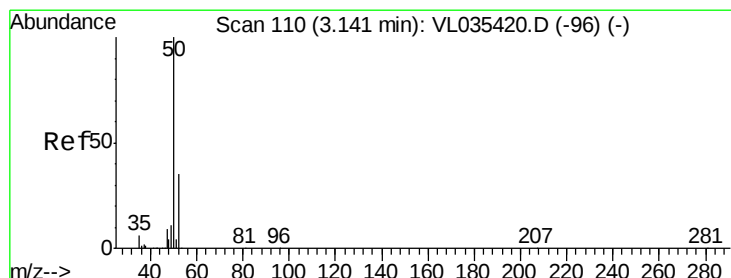
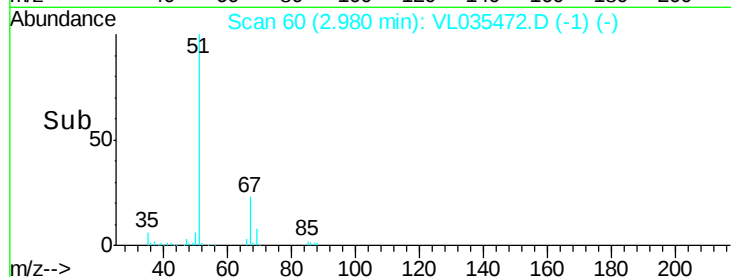
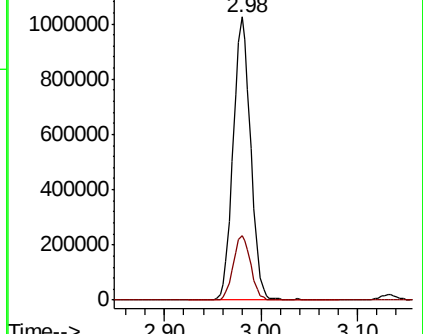
51 100

67 22.9 15.0 22.6#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.981 ppbv

RT: 3.13 min Scan# 107

Delta R.T. -0.00 min

Lab File: VL035472.D

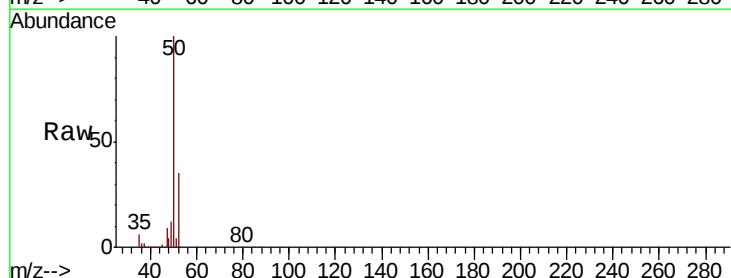
Acq: 20 Aug 2020 12:31

Tgt Ion: 50 Resp: 681602

Ion Ratio Lower Upper

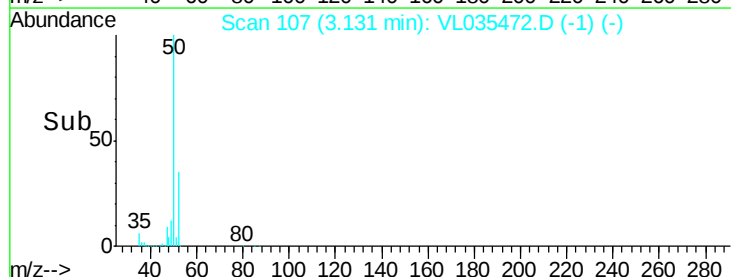
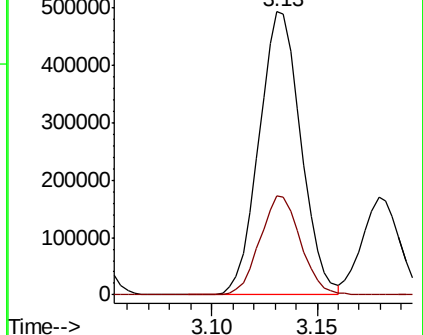
50 100

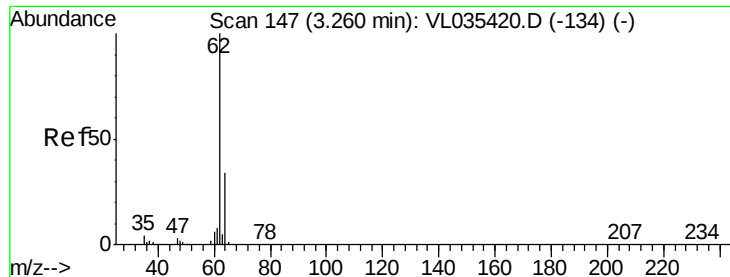
52 35.2 25.9 38.9



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.888 ppbv

RT: 3.25 min Scan# 144

Delta R.T. -0.00 min

Lab File: VL035472.D

Acq: 20 Aug 2020 12:31

Instrument :

MSVOA_L

ClientSampleId :

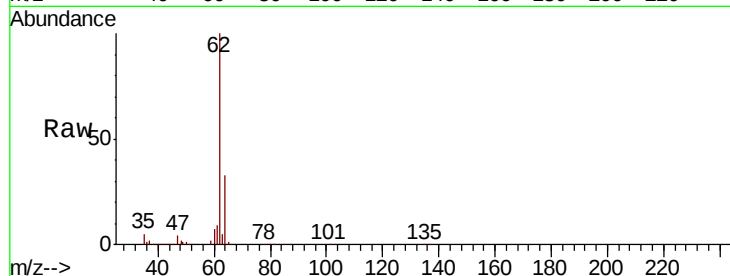
VL0820ABS01

Tot Ion: 62 Resp: 806934

Ion Ratio Lower Upper

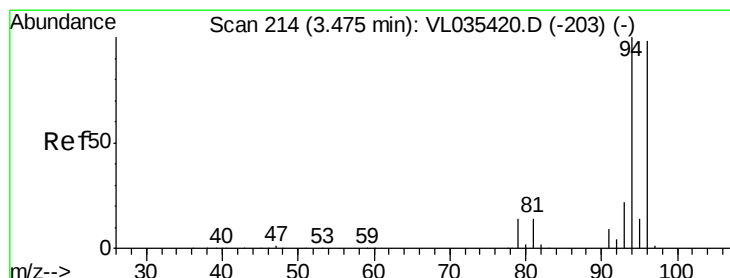
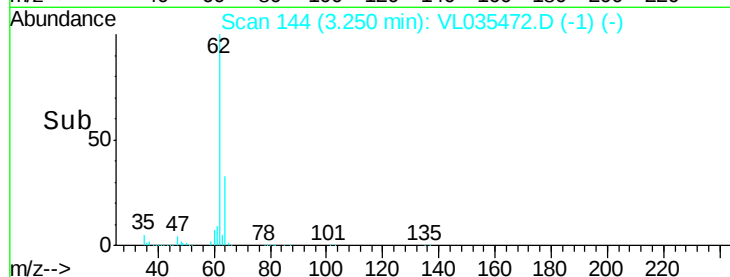
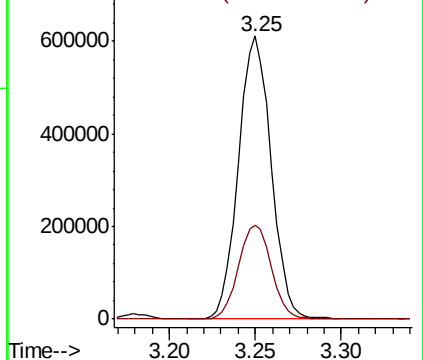
62 100

64 33.3 25.0 37.4



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 10.232 ppbv

RT: 3.47 min Scan# 211

Delta R.T. -0.00 min

Lab File: VL035472.D

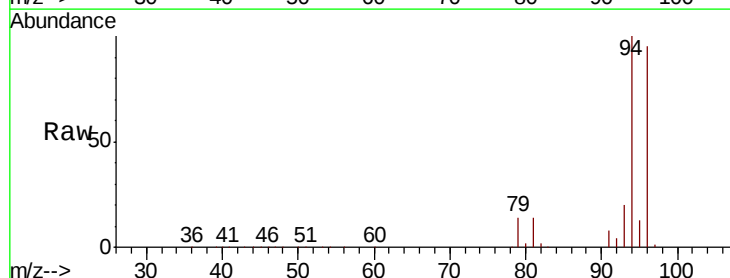
Acq: 20 Aug 2020 12:31

Tgt Ion: 94 Resp: 730321

Ion Ratio Lower Upper

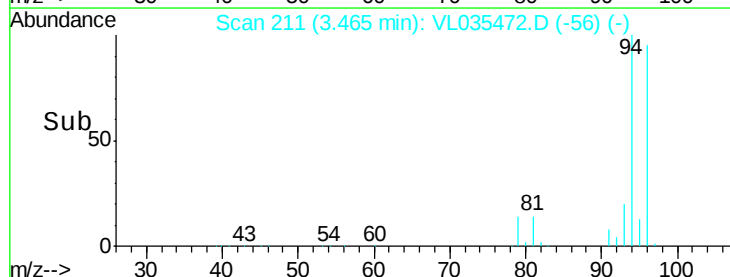
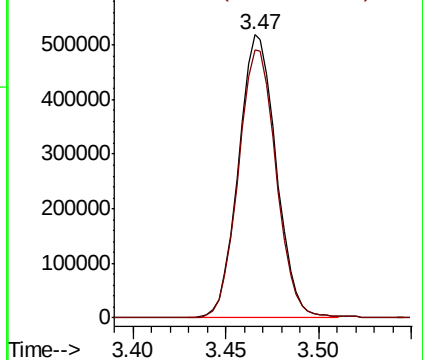
94 100

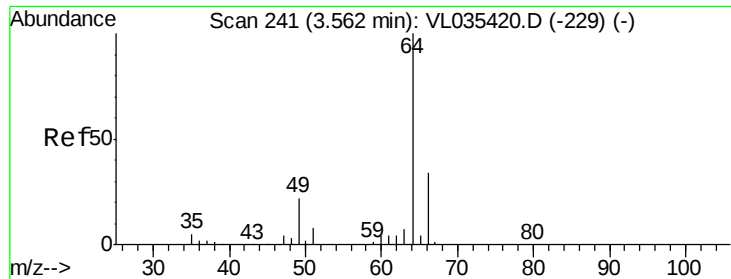
96 94.9 75.0 112.6



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 10.149 ppbv

RT: 3.55 min Scan# 238

Delta R.T. -0.00 min

Lab File: VL035472.D

Acq: 20 Aug 2020 12:31

Instrument :

MSVOA_L

ClientSampleId :

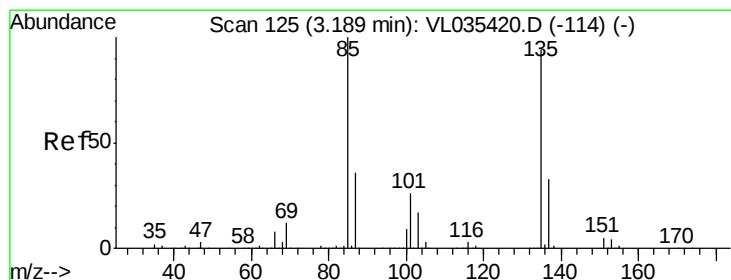
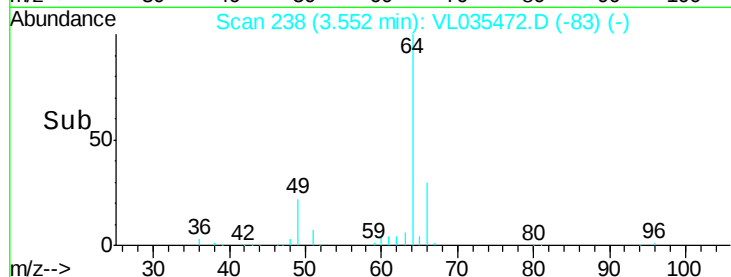
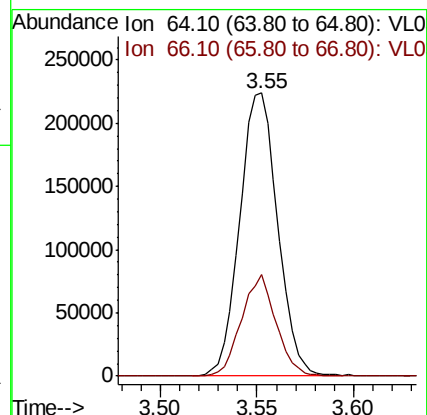
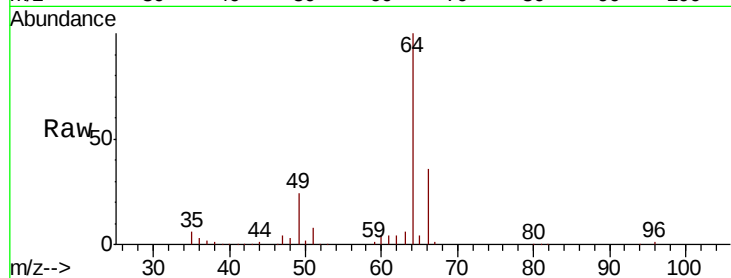
VL0820ABS01

Tot Ion: 64 Resp: 305148

Ion Ratio Lower Upper

64 100

66 35.8 24.5 36.7



#8

Dichlorotetrafluoroethane

Concen: 9.546 ppbv

RT: 3.18 min Scan# 122

Delta R.T. -0.00 min

Lab File: VL035472.D

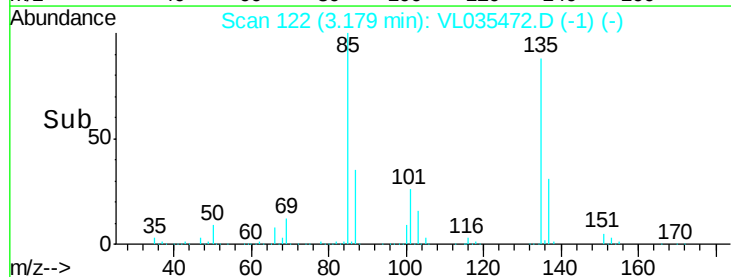
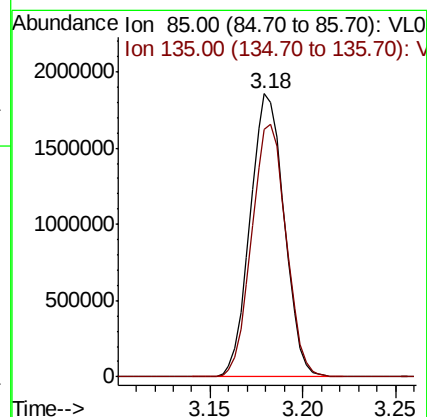
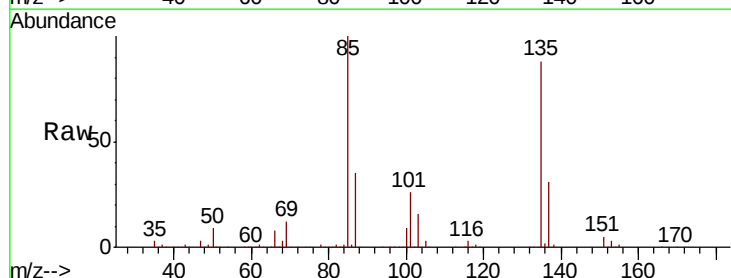
Acq: 20 Aug 2020 12:31

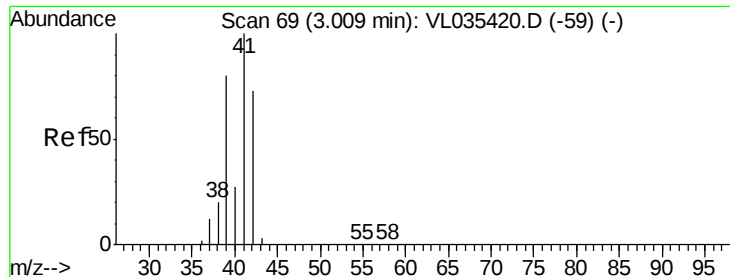
Tgt Ion: 85 Resp: 2368389

Ion Ratio Lower Upper

85 100

135 90.4 48.6 72.8#





#9

Propene

Concen: 9.560 ppbv

RT: 3.00 min Scan# 67

Delta R.T. -0.00 min

Lab File: VL035472.D

Acq: 20 Aug 2020 12:31

Instrument :

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ClientSampleId :

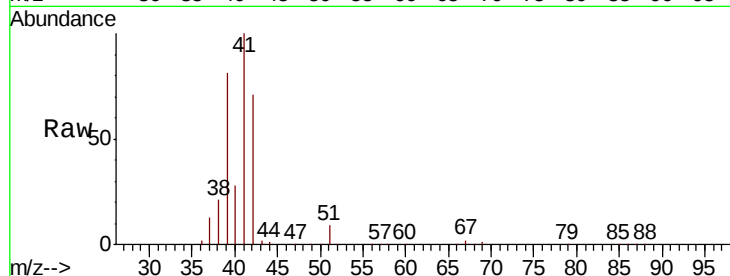
VL0820ABS01

Tot Ion: 41 Resp: 503672

Ion Ratio Lower Upper

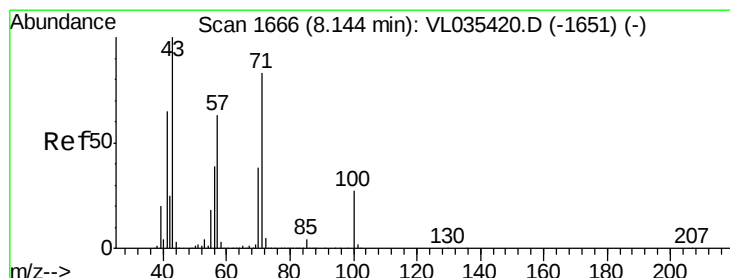
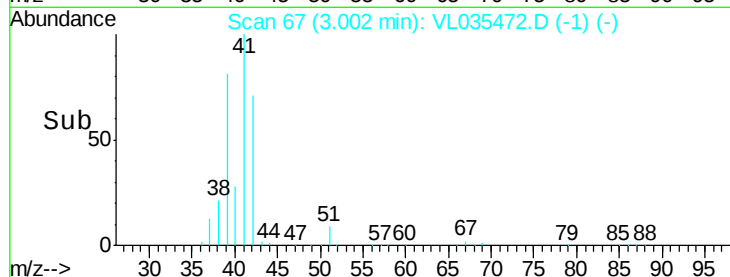
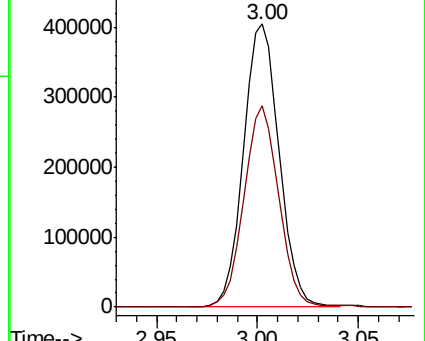
41 100

42 69.6 55.5 83.3



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 9.937 ppbv

RT: 8.13 min Scan# 1662

Delta R.T. -0.01 min

Lab File: VL035472.D

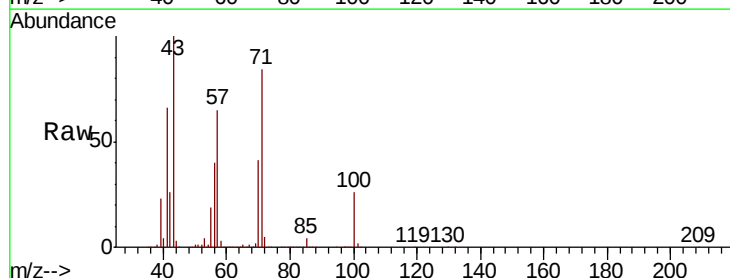
Acq: 20 Aug 2020 12:31

Tgt Ion: 43 Resp: 1372750

Ion Ratio Lower Upper

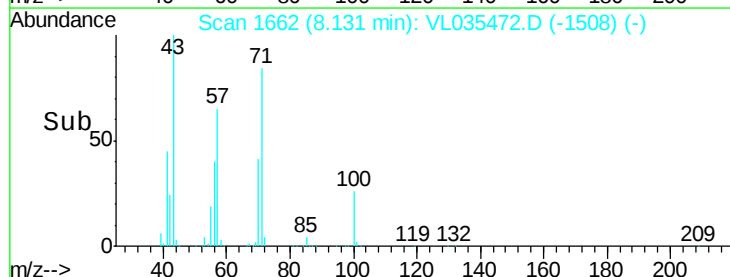
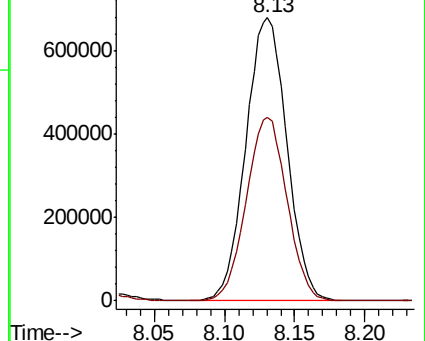
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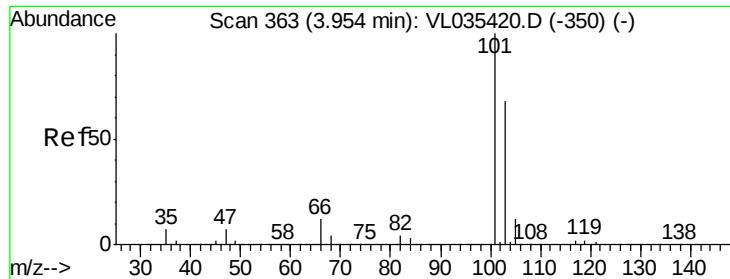
57 64.6 39.8 59.6#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

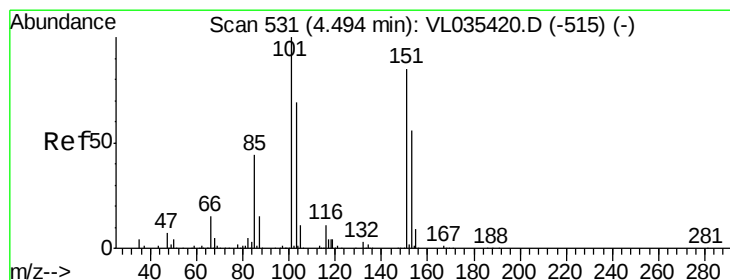
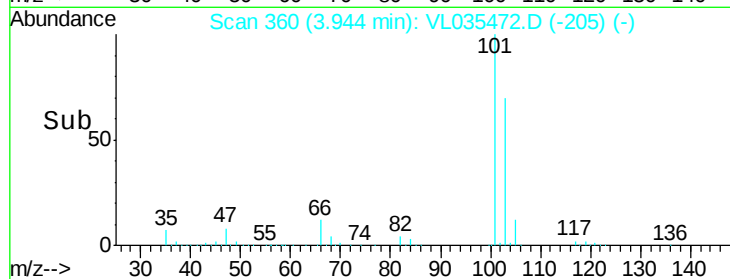
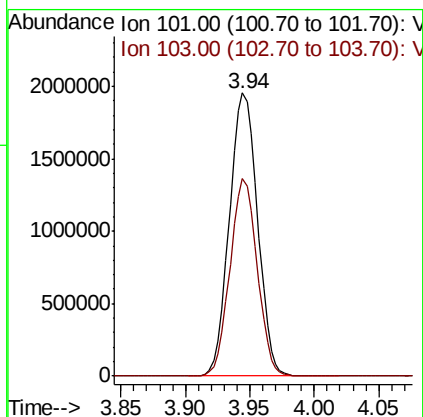
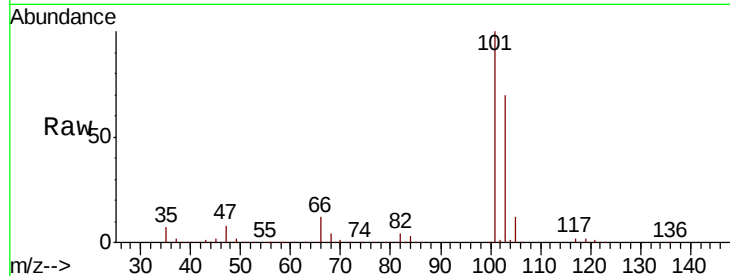




#11
 Trichlorofluoromethane
 Concen: 9.760 ppbv
 RT: 3.94 min Scan# 360
 Delta R.T. -0.00 min
 Lab File: VL035472.D
 Acq: 20 Aug 2020 12:31

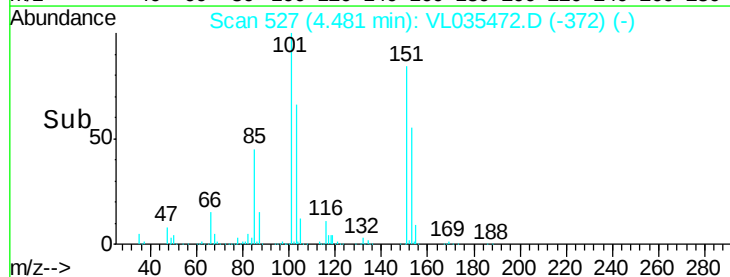
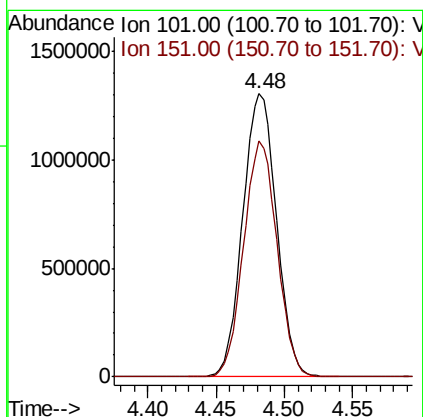
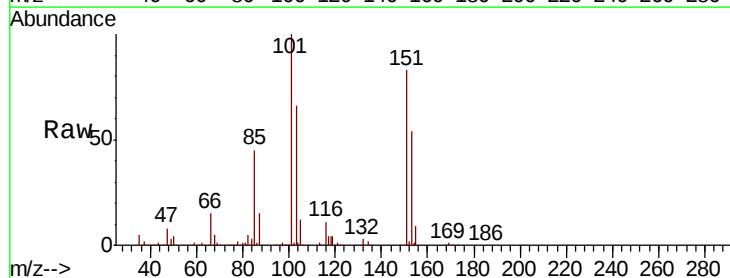
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0820ABS01

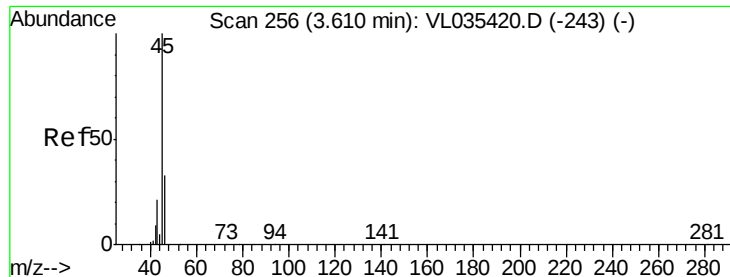
Tot Ion:101 Resp: 2967282
 Ion Ratio Lower Upper
 101 100
 103 70.0 52.6 78.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.875 ppbv
 RT: 4.48 min Scan# 527
 Delta R.T. -0.00 min
 Lab File: VL035472.D
 Acq: 20 Aug 2020 12:31

Tgt Ion:101 Resp: 2237387
 Ion Ratio Lower Upper
 101 100
 151 83.0 53.6 80.4#





#13

Ethanol

Concen: 6.475 ppbv

RT: 3.60 min Scan# 252

Delta R.T. -0.00 min

Lab File: VL035472.D

Acq: 20 Aug 2020 12:31

Instrument :

MSVOA_L

ClientSampleId :

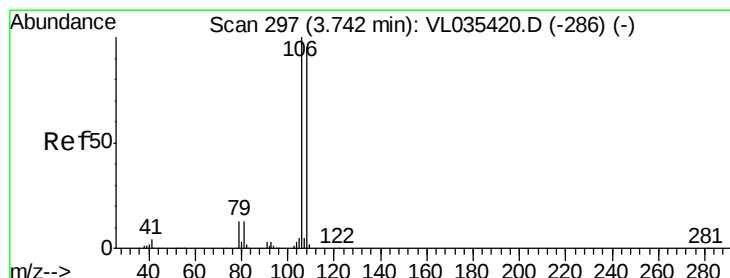
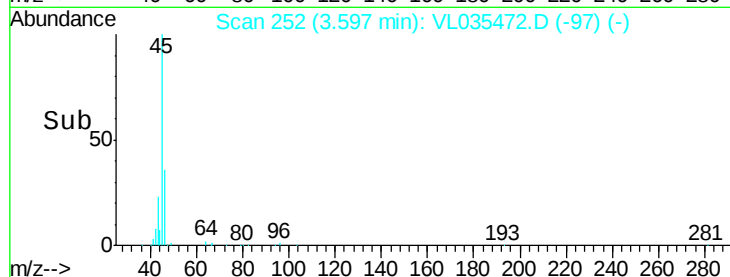
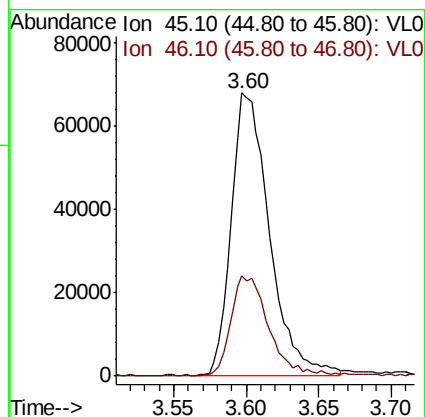
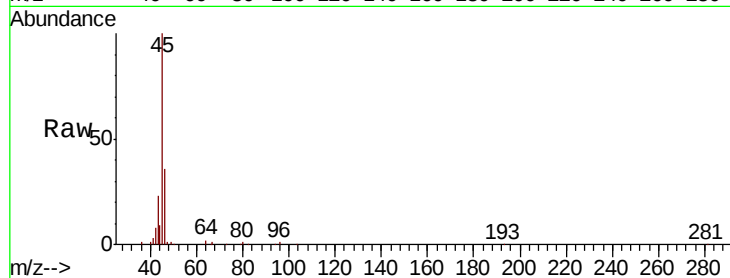
VL0820ABS01

Tot Ion: 45 Resp: 124984

Ion Ratio Lower Upper

45 100

46 34.6 14.2 56.6



#14

Bromoethene

Concen: 10.153 ppbv

RT: 3.73 min Scan# 294

Delta R.T. -0.01 min

Lab File: VL035472.D

Acq: 20 Aug 2020 12:31

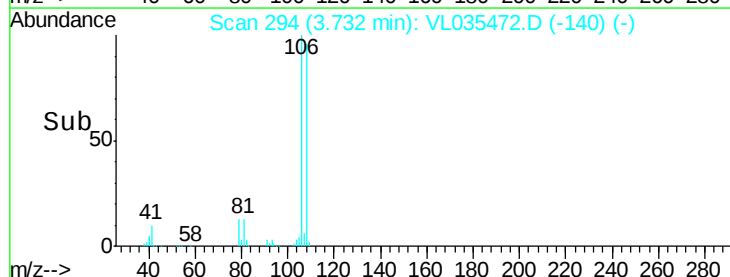
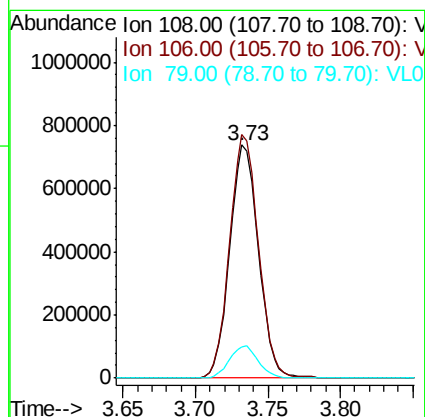
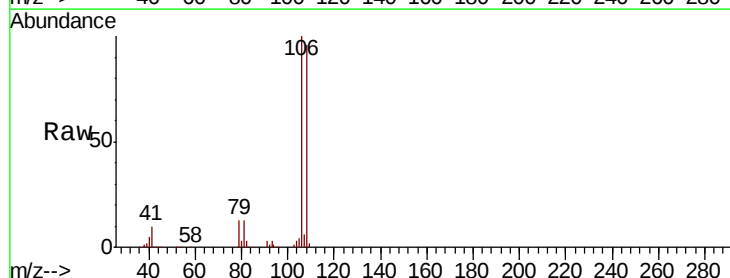
Tgt Ion: 108 Resp: 1016526

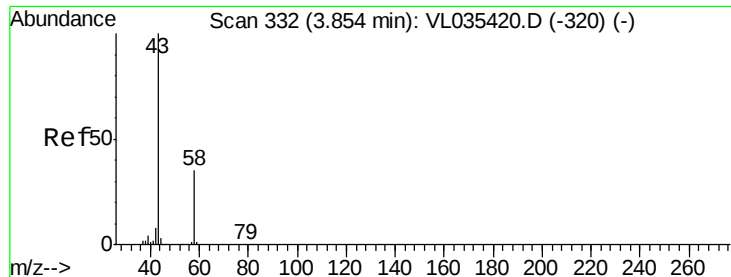
Ion Ratio Lower Upper

108 100

106 104.6 86.7 130.1

79 13.9 16.8 25.2#





#15

Acetone

Concen: 8.814 ppbv

RT: 3.84 min Scan# 329

Delta R.T. -0.00 min

Lab File: VL035472.D

Acq: 20 Aug 2020 12:31

Instrument :

MSVOA_L

ClientSampleId :

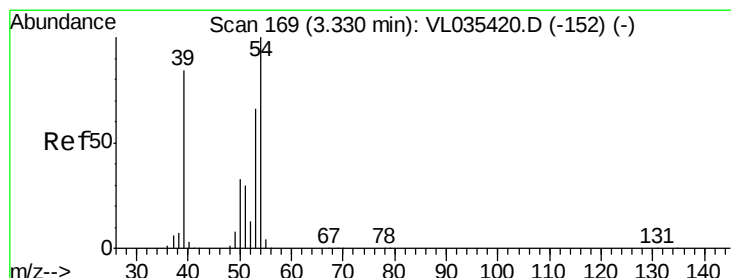
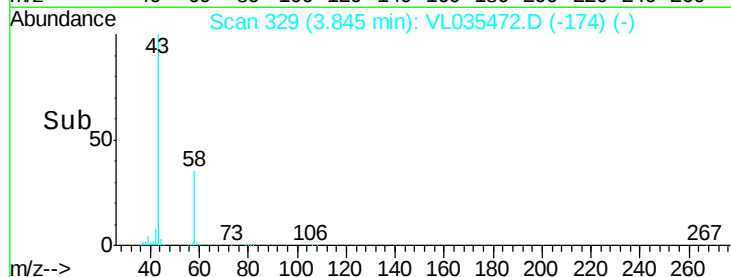
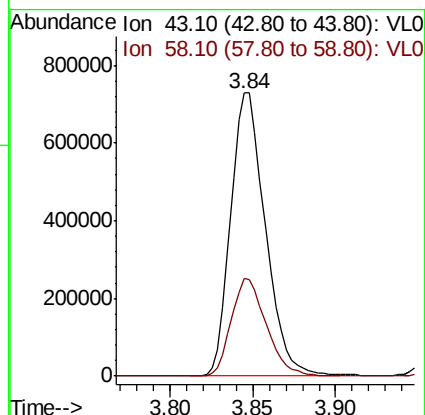
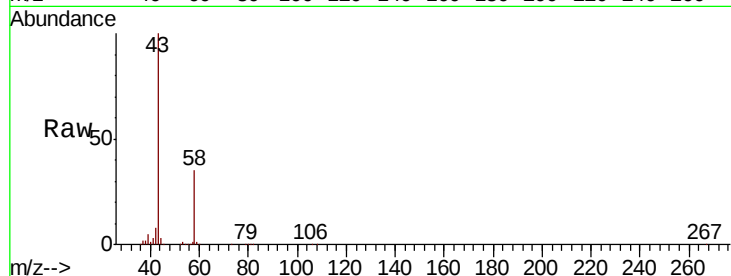
VL0820ABS01

Tot Ion: 43 Resp: 1060567

Ion Ratio Lower Upper

43 100

58 34.9 21.0 31.6#



#16

1,3-Butadiene

Concen: 10.082 ppbv

RT: 3.32 min Scan# 166

Delta R.T. -0.00 min

Lab File: VL035472.D

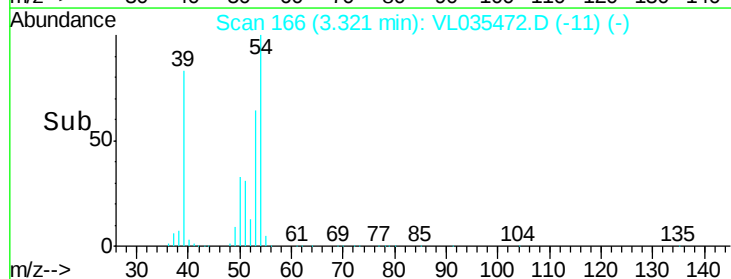
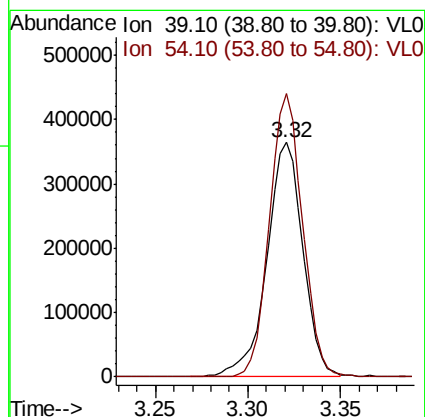
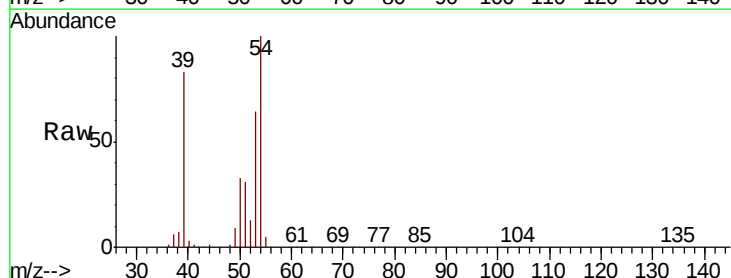
Acq: 20 Aug 2020 12:31

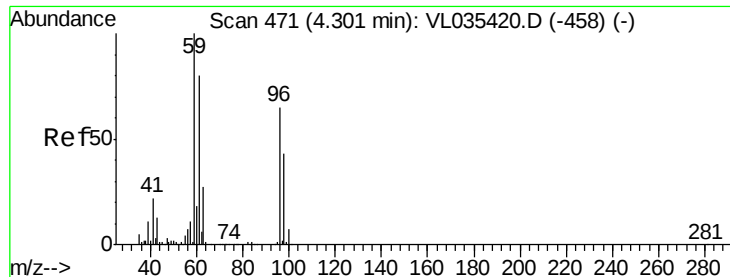
Tgt Ion: 39 Resp: 491962

Ion Ratio Lower Upper

39 100

54 111.2 64.4 96.6#





#17

tert-Butyl alcohol

Concen: 10.262 ppbv

RT: 4.29 min Scan# 467

Delta R.T. -0.01 min

Lab File: VL035472.D

Acq: 20 Aug 2020 12:31

Instrument :

MSVOA_L

ClientSampleId :

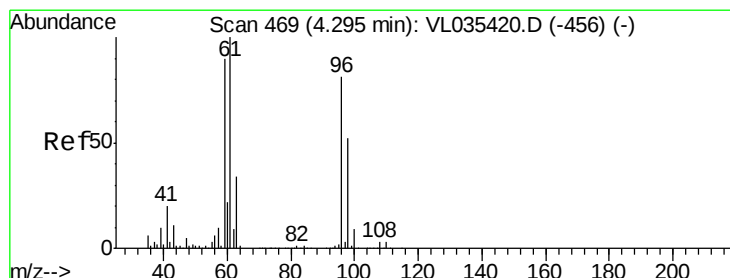
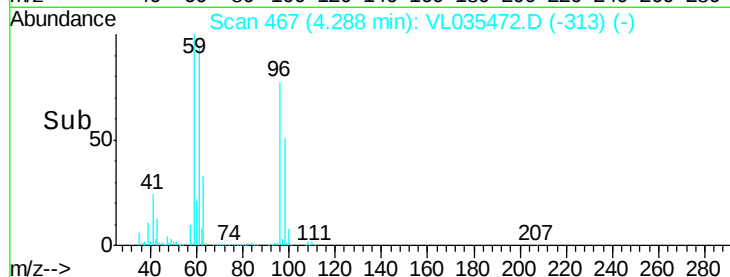
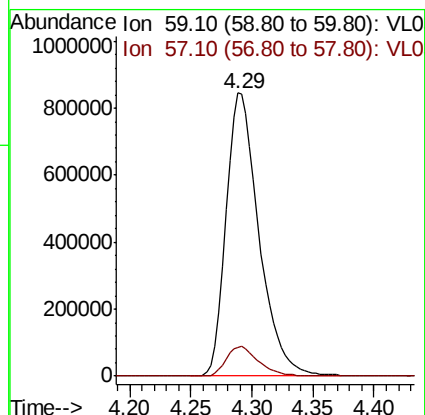
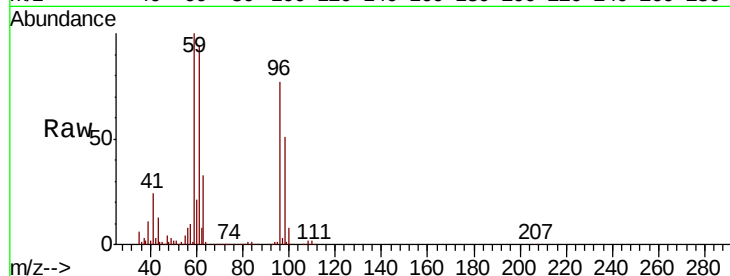
VL0820ABS01

Tot Ion: 59 Resp: 1595991

Ion Ratio Lower Upper

59 100

57 10.5 8.9 13.3



#18

1,1-Dichloroethene

Concen: 10.246 ppbv

RT: 4.29 min Scan# 466

Delta R.T. -0.00 min

Lab File: VL035472.D

Acq: 20 Aug 2020 12:31

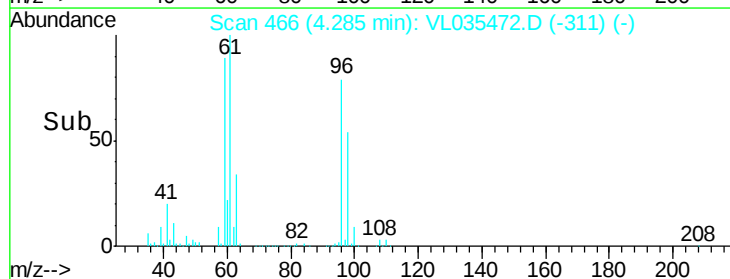
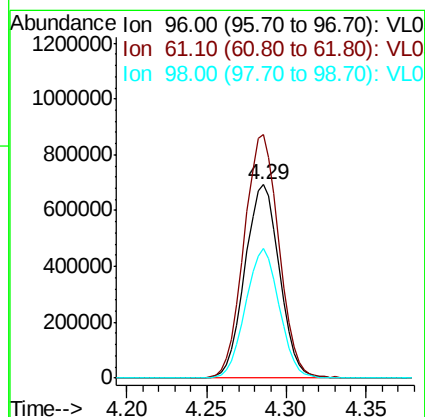
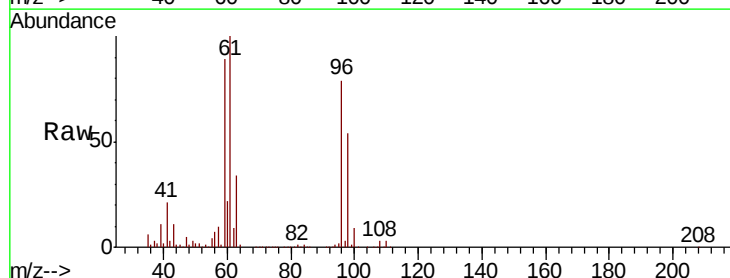
Tgt Ion: 96 Resp: 1024940

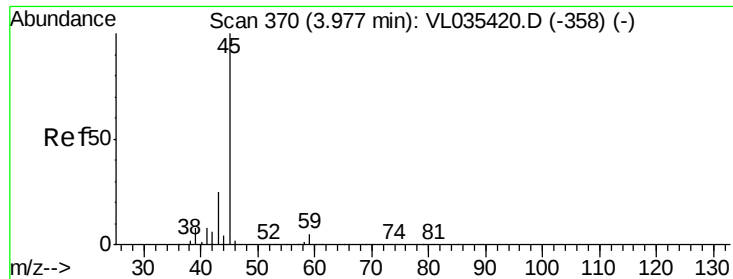
Ion Ratio Lower Upper

96 100

61 126.1 161.8 242.6#

98 67.5 49.3 73.9





#19

Isopropyl Alcohol

Concen: 9.731 ppbv

RT: 3.97 min Scan# 367

Delta R.T. -0.00 min

Lab File: VL035472.D

Acq: 20 Aug 2020 12:31

Instrument :

MSVOA_L

ClientSampleId :

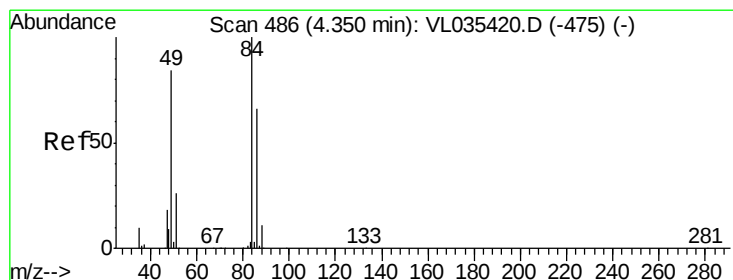
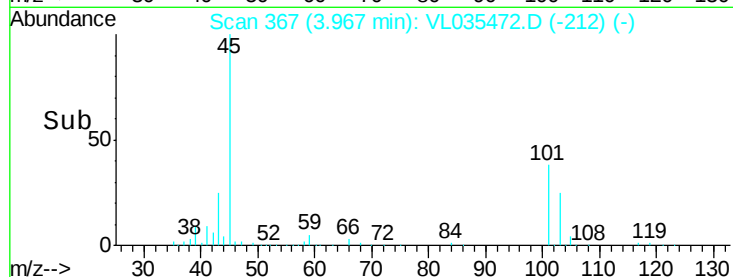
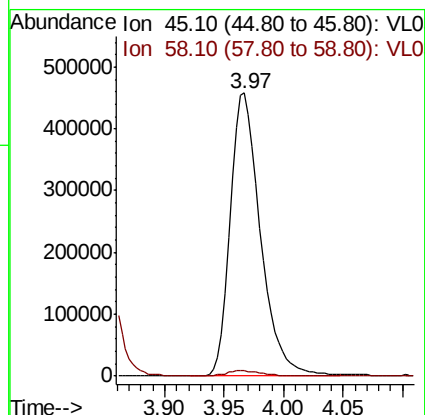
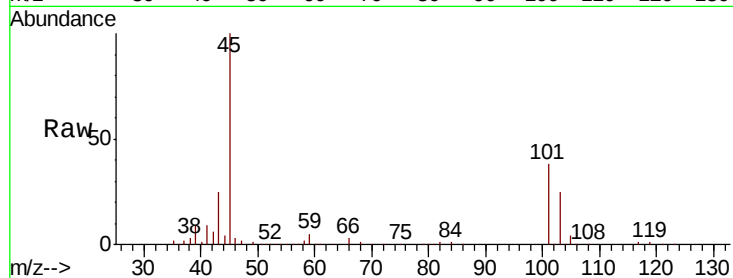
VL0820ABS01

Tot Ion: 45 Resp: 807006

Ion Ratio Lower Upper

45 100

58 2.3 1.0 1.6#



#20

Methylene Chloride

Concen: 8.880 ppbv

RT: 4.34 min Scan# 483

Delta R.T. -0.00 min

Lab File: VL035472.D

Acq: 20 Aug 2020 12:31

Tgt Ion: 84 Resp: 862159

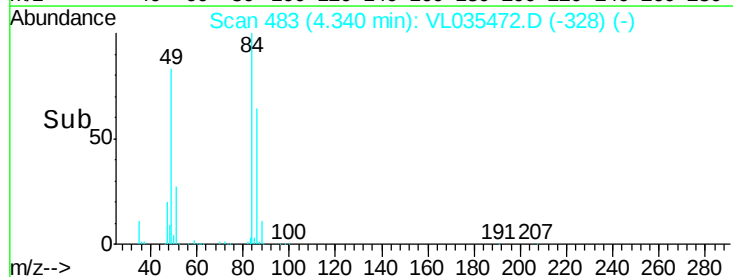
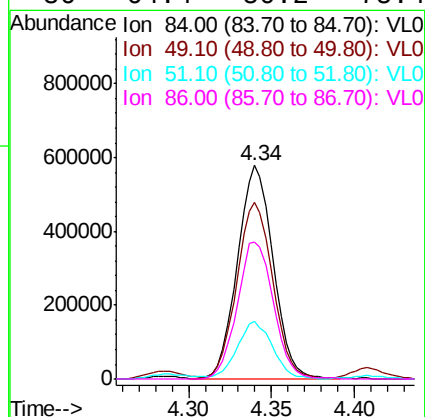
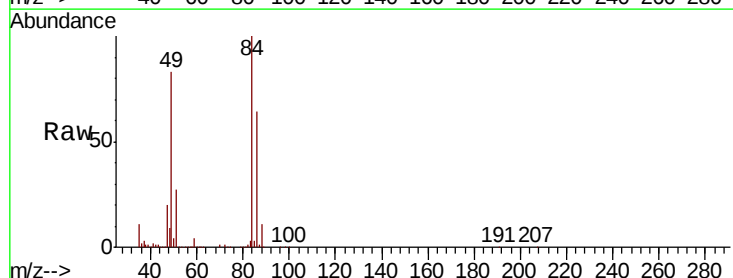
Ion Ratio Lower Upper

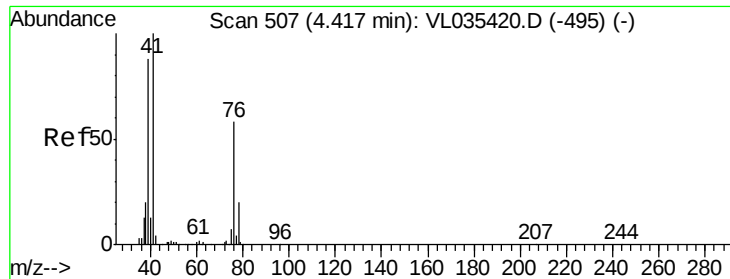
84 100

49 82.0 118.6 177.8#

51 26.8 36.4 54.6#

86 64.4 50.2 75.4





#21

Allvl Chloride

Concen: 10.529 ppbv

RT: 4.41 min Scan# 504

Delta R.T. -0.01 min

Lab File: VL035472.D

Acq: 20 Aug 2020 12:31

Instrument :

MSVOA_L

ClientSampleId :

VL0820ABS01

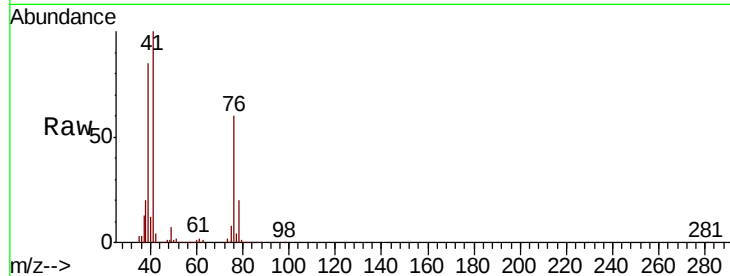
Tot Ion: 41 Resp: 643776

Ion Ratio Lower Upper

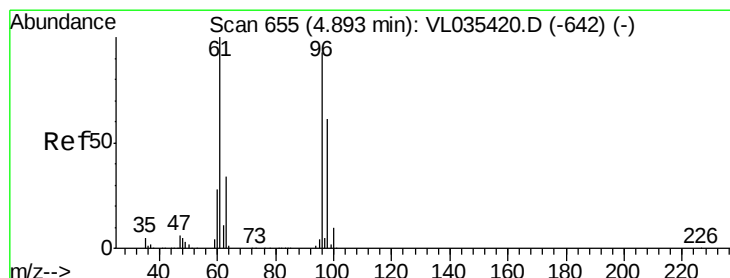
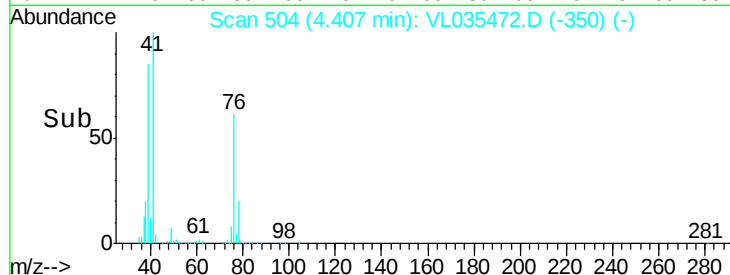
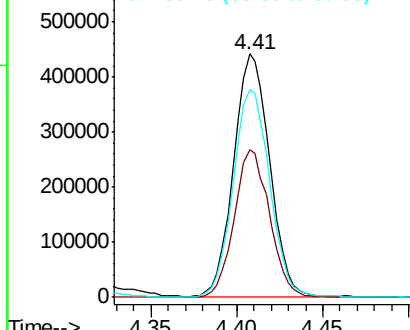
41 100

76 59.7 22.8 34.2#

39 87.3 66.2 99.2



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



#22

trans-1,2-Dichloroethene

Concen: 10.178 ppbv

RT: 4.88 min Scan# 652

Delta R.T. -0.01 min

Lab File: VL035472.D

Acq: 20 Aug 2020 12:31

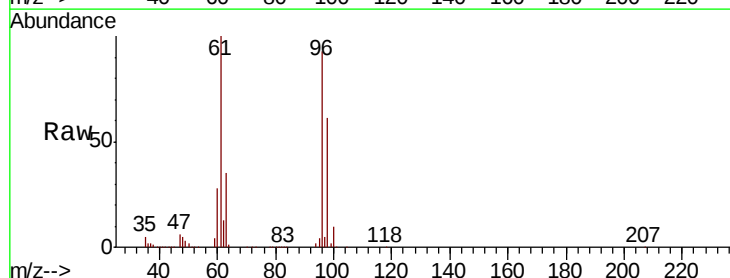
Tgt Ion: 96 Resp: 1086605

Ion Ratio Lower Upper

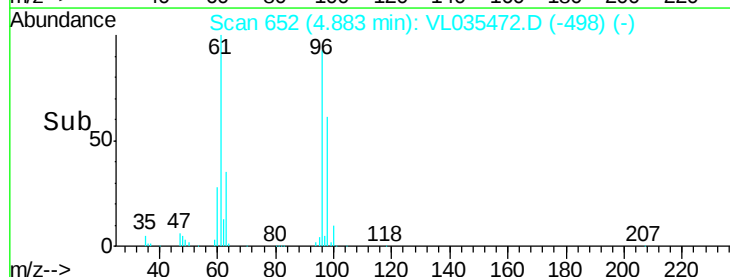
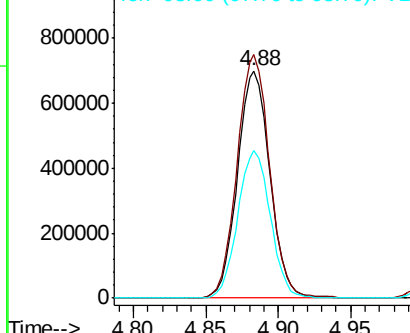
96 100

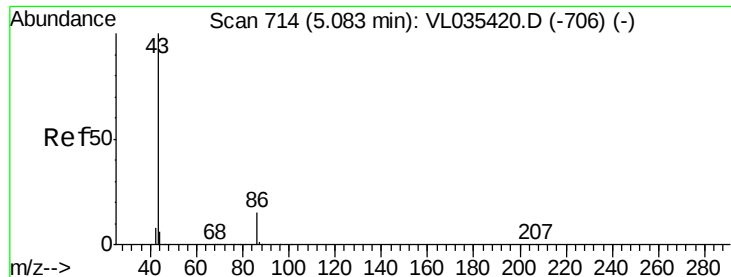
61 107.2 142.2 213.2#

98 64.9 51.8 77.8



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





#23

Vinyl Acetate

Concen: 10.206 ppbv

RT: 5.07 min Scan# 711

Delta R.T. -0.01 min

Lab File: VL035472.D

Acq: 20 Aug 2020 12:31

Instrument :

MSVOA_L

ClientSampleId :

VL0820ABS01

Tot Ion: 43 Resp: 175534

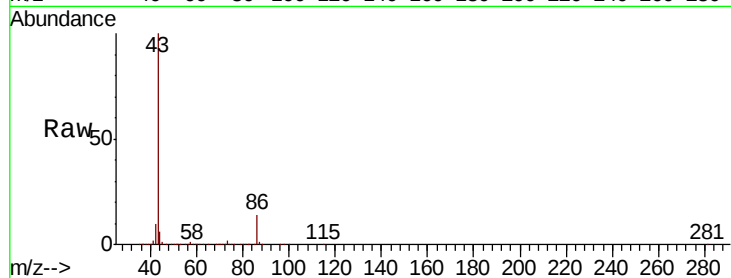
Ion Ratio Lower Upper

43 100

86 14.2 6.5 9.7#

42 10.0 8.3 12.5

44 5.3 4.0 6.0

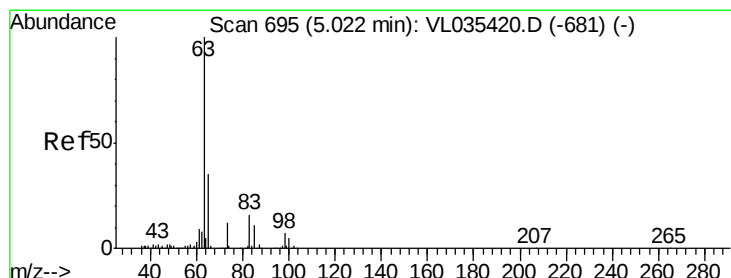
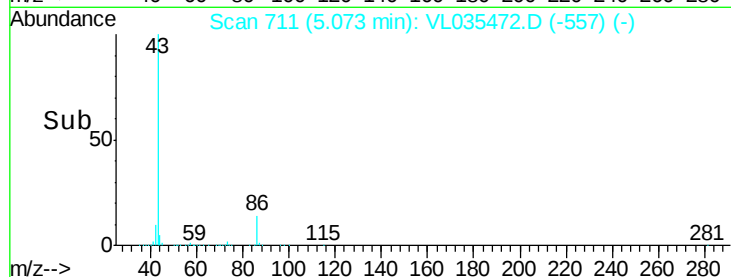
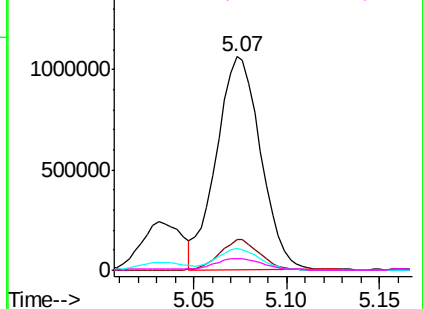


Abundance Ion 43.10 (42.80 to 43.80): VL0

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



#24

1,1-Dichloroethane

Concen: 9.936 ppbv

RT: 5.01 min Scan# 691

Delta R.T. -0.01 min

Lab File: VL035472.D

Acq: 20 Aug 2020 12:31

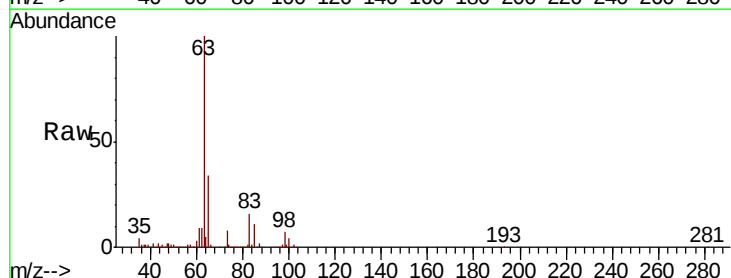
Tgt Ion: 63 Resp: 1705634

Ion Ratio Lower Upper

63 100

98 6.6 2.1 6.5#

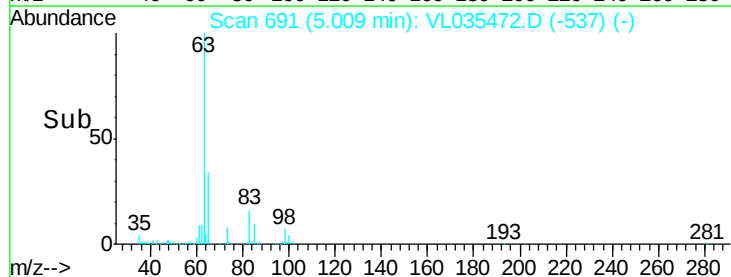
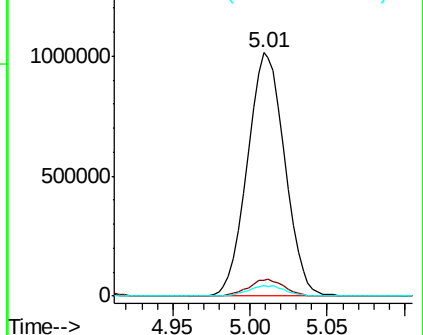
100 4.3 1.3 3.8#

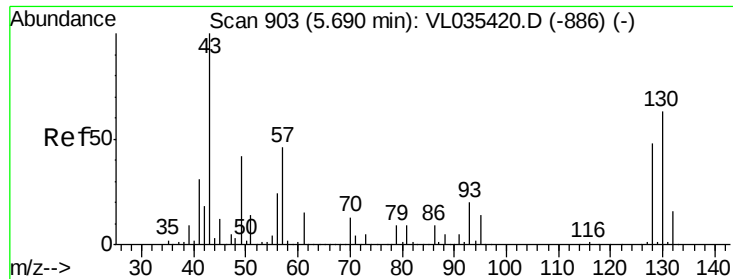


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



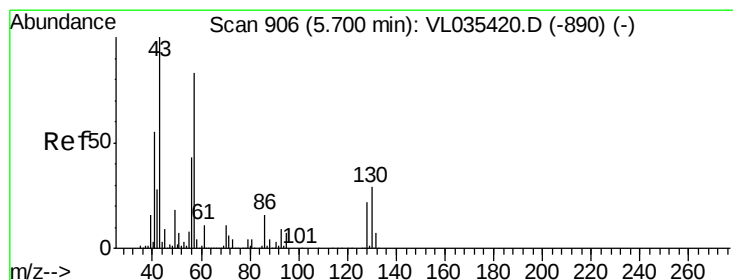
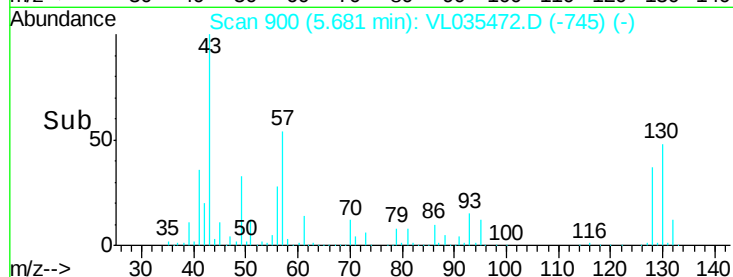
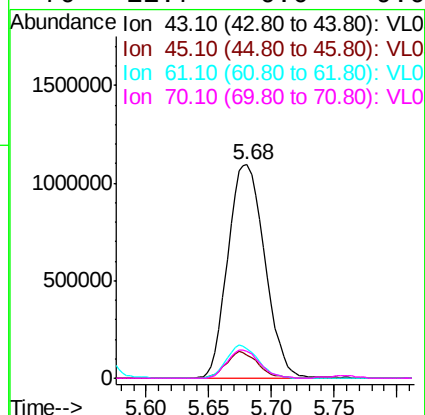
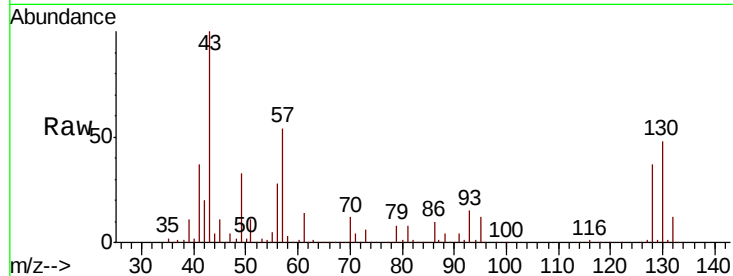


#25
Ethyl Acetate
Concen: 9.536 ppbv
RT: 5.68 min Scan# 900
Delta R.T. -0.00 min
Lab File: VL035472.D
Acq: 20 Aug 2020 12:31

Instrument :
MSVOA_L
ClientSampleId :
VL0820ABS01

Tot Ion: 43 Resp: 2232759

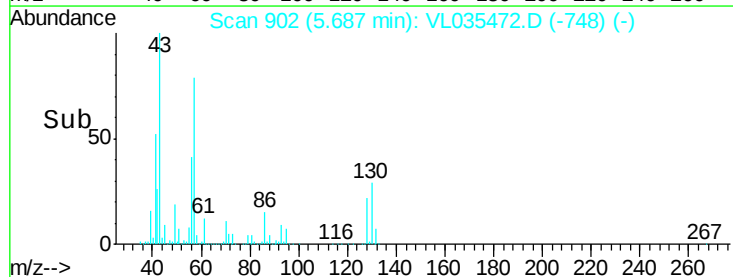
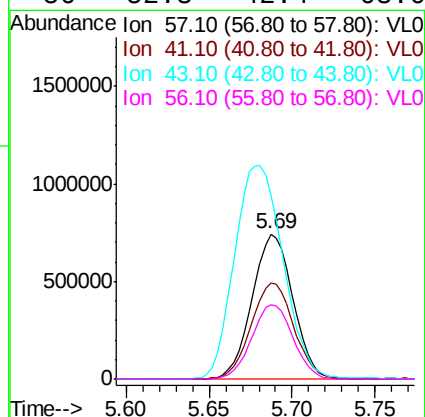
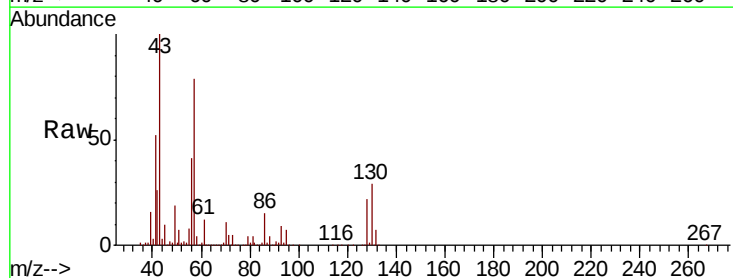
Ion	Ratio	Lower	Upper
43	100		
45	10.7	8.3	12.5
61	13.4	7.6	11.4#
70	11.7	6.0	9.0#

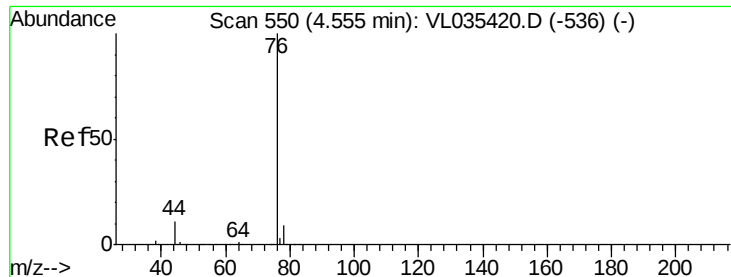


#26
Hexane
Concen: 9.632 ppbv
RT: 5.69 min Scan# 902
Delta R.T. -0.01 min
Lab File: VL035472.D
Acq: 20 Aug 2020 12:31

Tgt Ion: 57 Resp: 1272736

Ion	Ratio	Lower	Upper
57	100		
41	69.7	75.5	113.3#
43	176.0	181.7	272.5#
56	52.3	42.4	63.6





#27

Carbon Disulfide

Concen: 10.892 ppbv

RT: 4.55 min Scan# 547

Delta R.T. -0.01 min

Lab File: VL035472.D

Acq: 20 Aug 2020 12:31

Instrument :

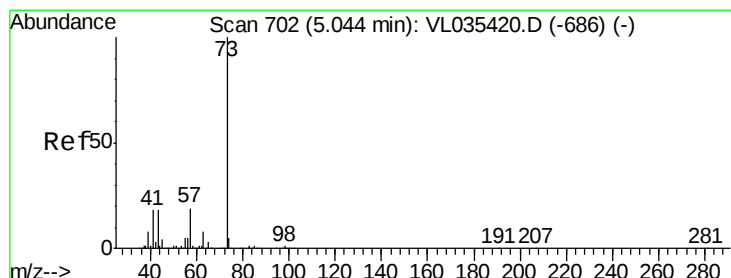
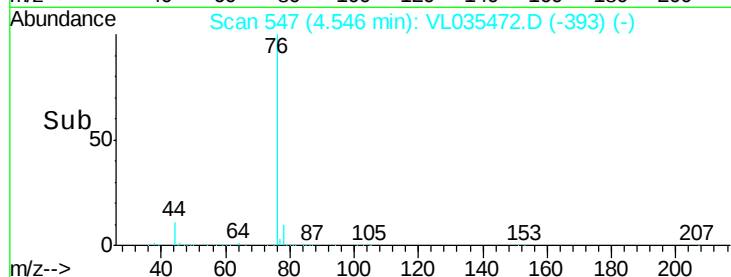
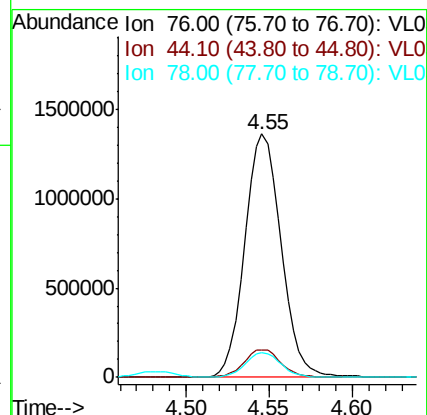
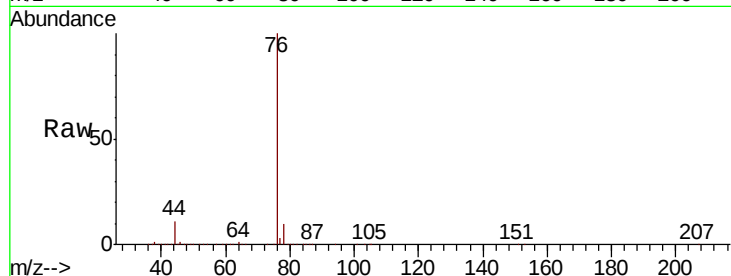
MSVOA_L

ClientSampleId :

VL0820ABS01

Tot Ion: 76 Resp: 2080400

Ion	Ratio	Lower	Upper
76	100		
44	11.6	16.8	25.2#
78	10.1	7.3	10.9



#28

Methyl tert-Butyl Ether

Concen: 9.857 ppbv

RT: 5.03 min Scan# 699

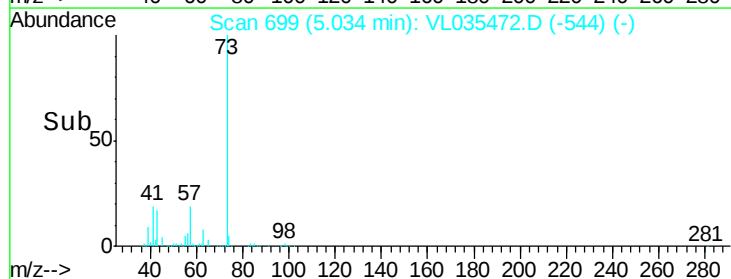
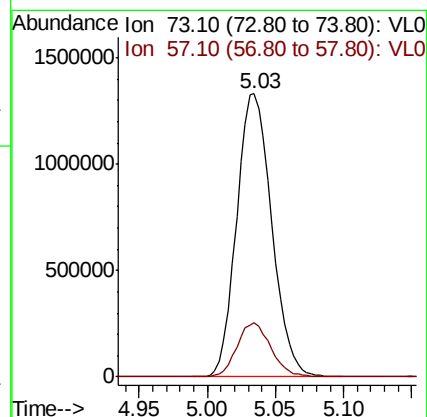
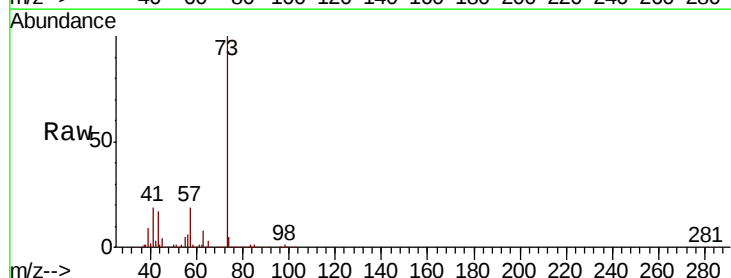
Delta R.T. -0.00 min

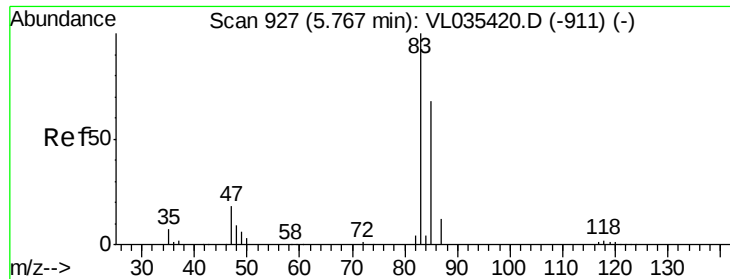
Lab File: VL035472.D

Acq: 20 Aug 2020 12:31

Tgt Ion: 73 Resp: 2379328

Ion	Ratio	Lower	Upper
73	100		
57	18.7	18.3	27.5

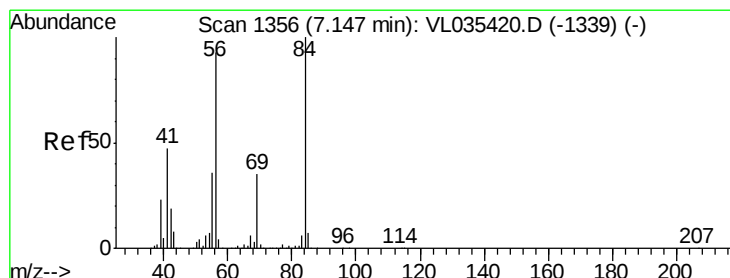
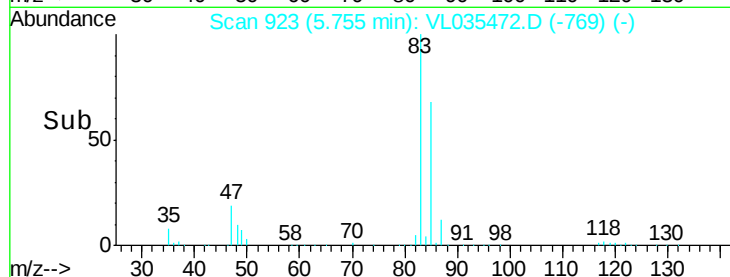
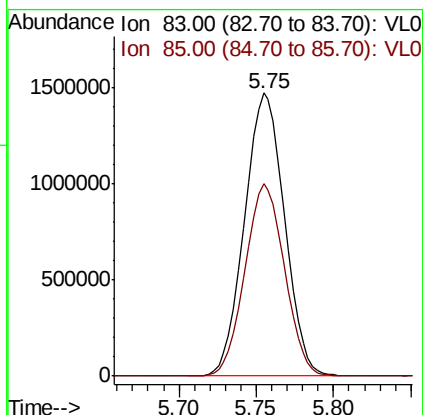
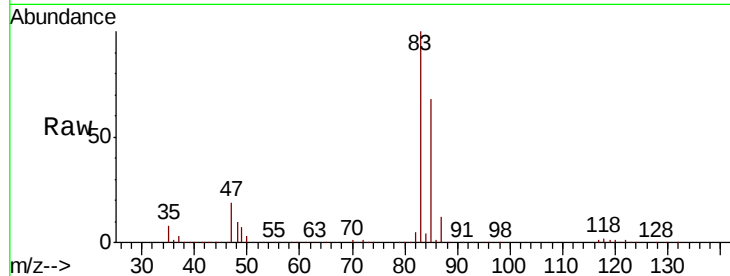




#29
Chloroform
Concen: 9.987 ppbv
RT: 5.75 min Scan# 923
Delta R.T. -0.01 min
Lab File: VL035472.D
Acq: 20 Aug 2020 12:31

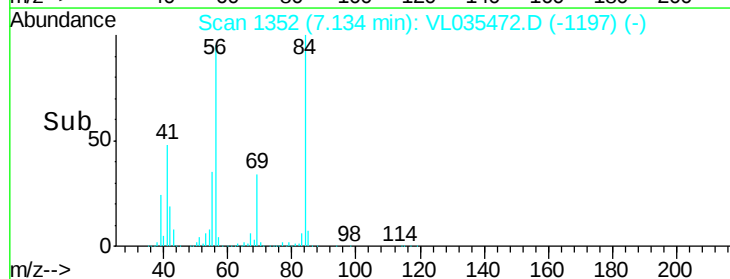
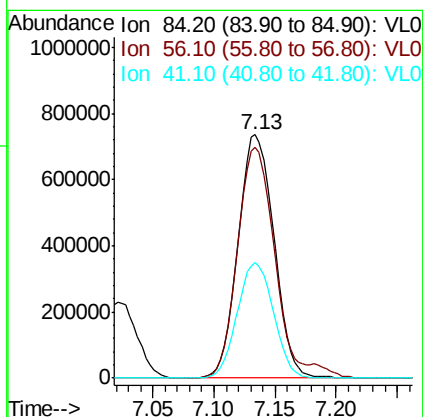
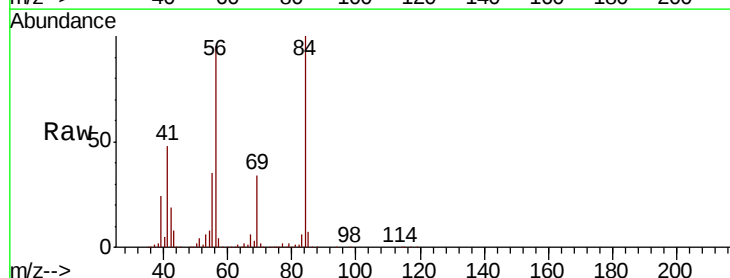
Instrument :
MSVOA_L
ClientSampleId :
VL0820ABS01

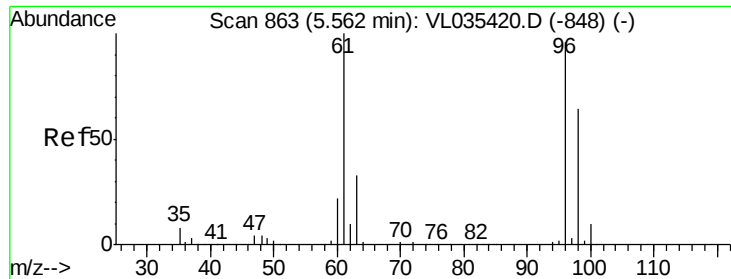
Tot Ion: 83 Resp: 2651551
Ion Ratio Lower Upper
83 100
85 67.8 52.7 79.1



#30
Cyclohexane
Concen: 10.199 ppbv
RT: 7.13 min Scan# 1352
Delta R.T. -0.00 min
Lab File: VL035472.D
Acq: 20 Aug 2020 12:31

Tgt Ion: 84 Resp: 1495101
Ion Ratio Lower Upper
84 100
56 100.0 114.9 172.3#
41 48.0 72.3 108.5#



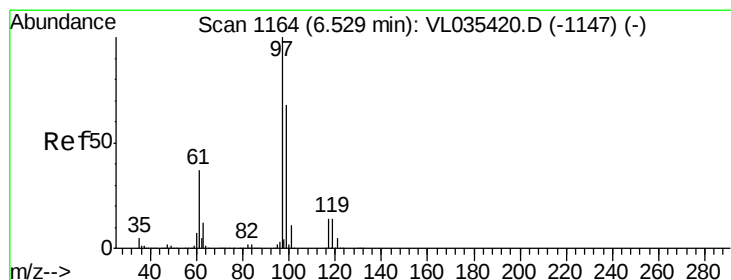
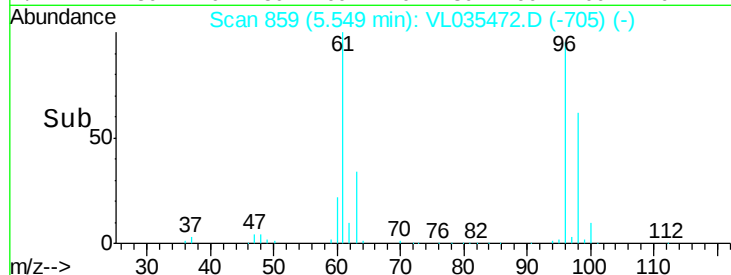
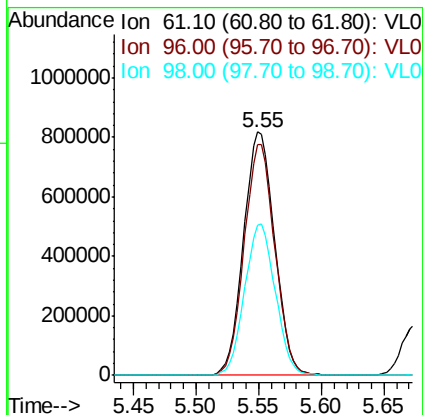
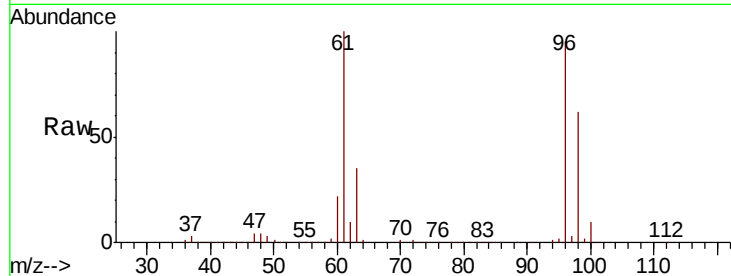


#31

cis-1,2-Dichloroethene
 Concen: 10.170 ppbv
 RT: 5.55 min Scan# 859
 Delta R.T. -0.01 min
 Lab File: VL035472.D
 Acq: 20 Aug 2020 12:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0820ABS01

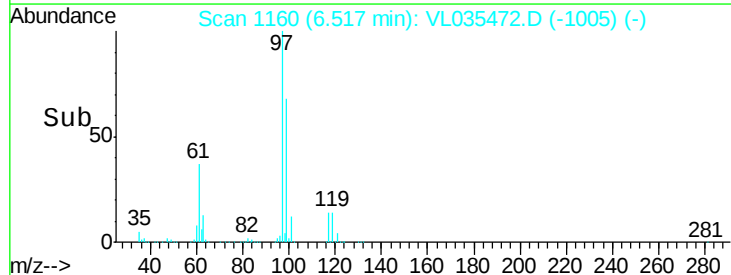
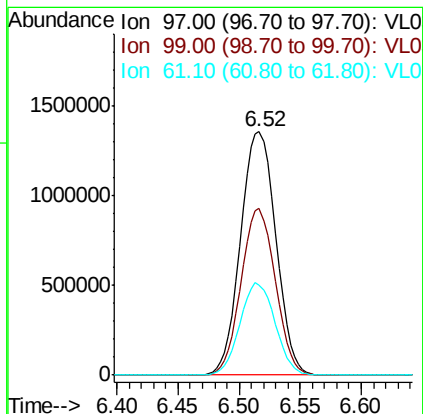
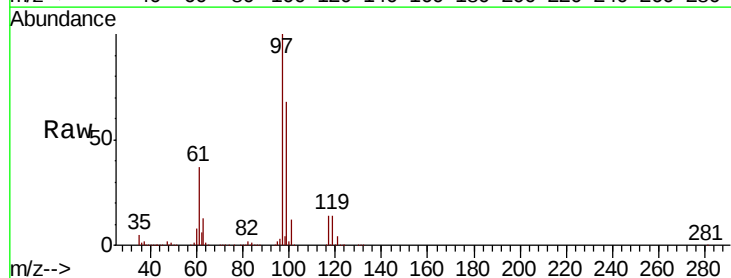
Tot Ion: 61 Resp: 1413378
 Ion Ratio Lower Upper
 61 100
 96 94.7 51.4 77.0#
 98 61.6 32.9 49.3#

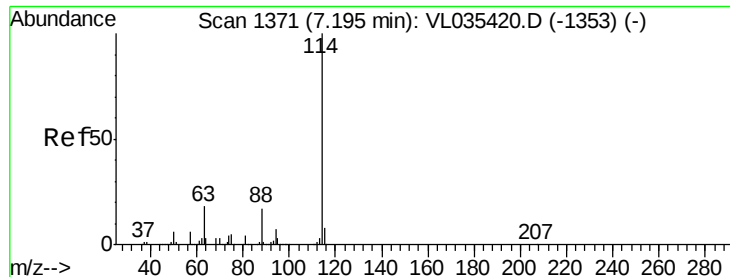


#32

1,1,1-Trichloroethane
 Concen: 10.906 ppbv
 RT: 6.52 min Scan# 1160
 Delta R.T. -0.00 min
 Lab File: VL035472.D
 Acq: 20 Aug 2020 12:31

Tgt Ion: 97 Resp: 2713571
 Ion Ratio Lower Upper
 97 100
 99 66.5 51.4 77.0
 61 37.6 41.0 61.6#

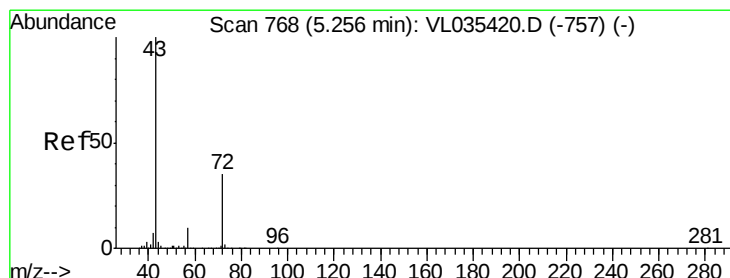
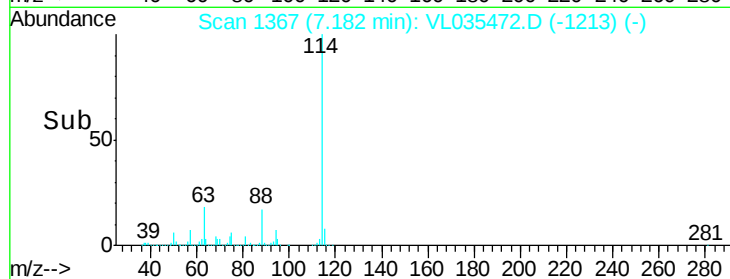
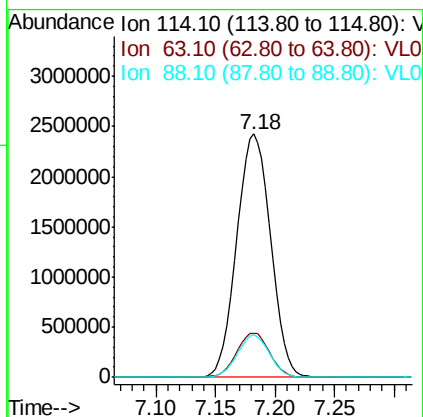
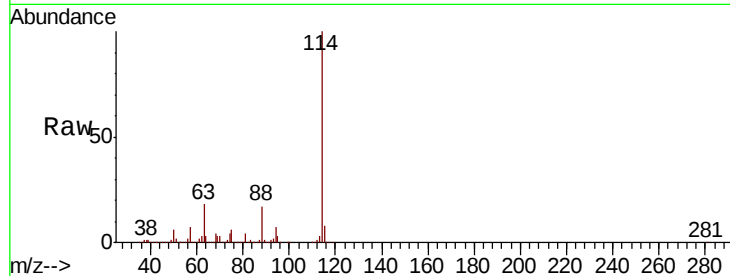




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1367
 Delta R.T. -0.01 min
 Lab File: VL035472.D
 Acq: 20 Aug 2020 12:31

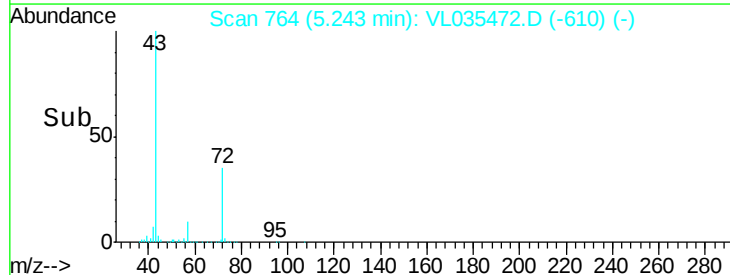
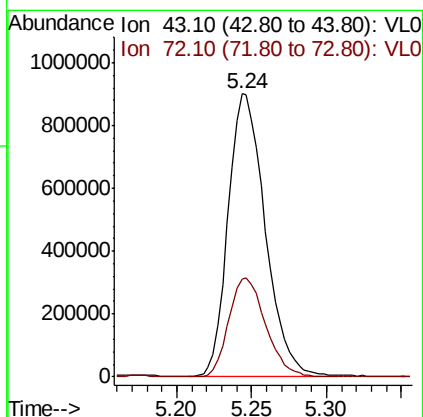
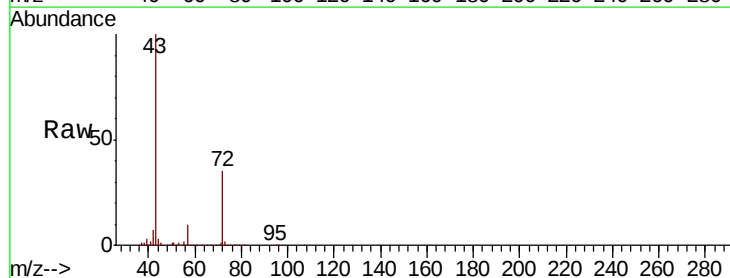
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0820ABS01

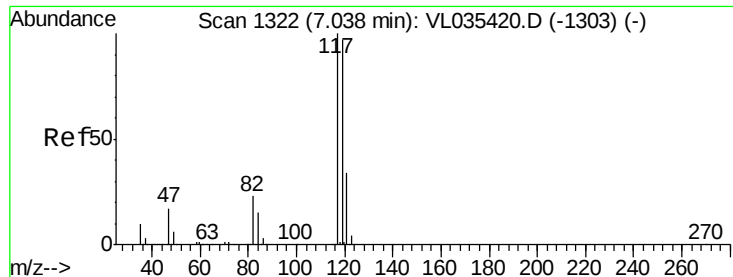
Tot Ion:114 Resp: 4803233
 Ion Ratio Lower Upper
 114 100
 63 18.0 23.1 34.7#
 88 16.4 15.9 23.9



#34
 2-Butanone
 Concen: 9.683 ppbv
 RT: 5.24 min Scan# 764
 Delta R.T. -0.01 min
 Lab File: VL035472.D
 Acq: 20 Aug 2020 12:31

Tgt Ion: 43 Resp: 1553965
 Ion Ratio Lower Upper
 43 100
 72 35.0 17.6 26.4#





#35

Carbon Tetrachloride

Concen: 11.365 ppbv

RT: 7.02 min Scan# 1318

Delta R.T. -0.00 min

Lab File: VL035472.D

Acq: 20 Aug 2020 12:31

Instrument :

MSVOA_L

ClientSampleId :

VL0820ABS01

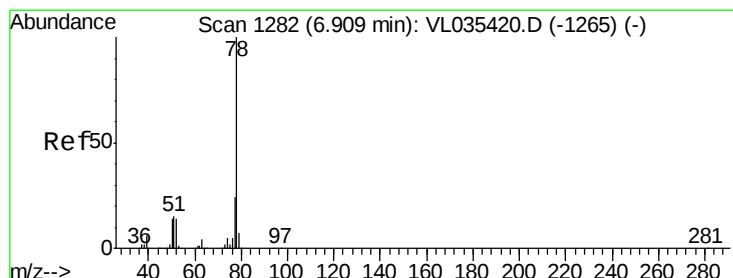
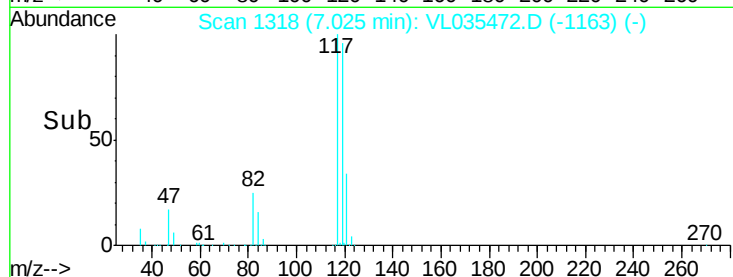
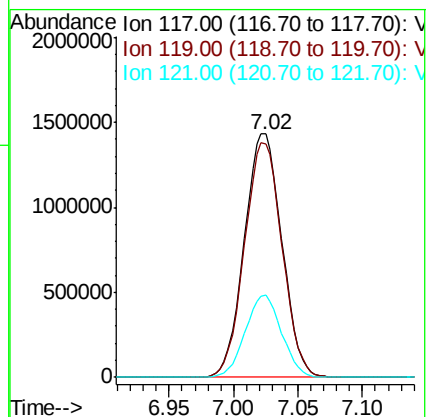
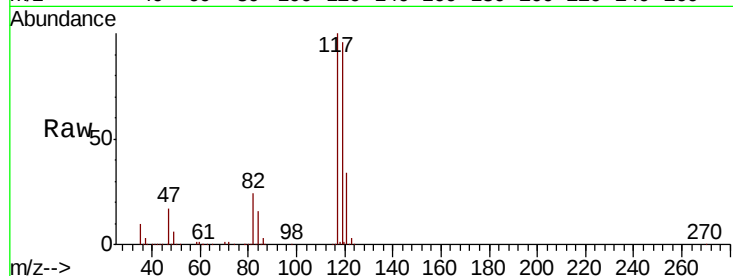
Tot Ion:117 Resp: 2903182

Ion Ratio Lower Upper

117 100

119 95.9 76.1 114.1

121 33.7 25.5 38.3



#36

Benzene

Concen: 9.657 ppbv

RT: 6.90 min Scan# 1278

Delta R.T. -0.01 min

Lab File: VL035472.D

Acq: 20 Aug 2020 12:31

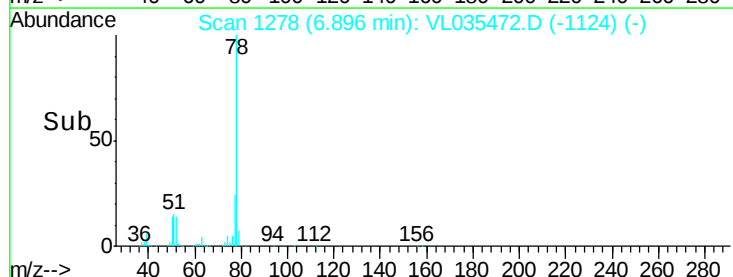
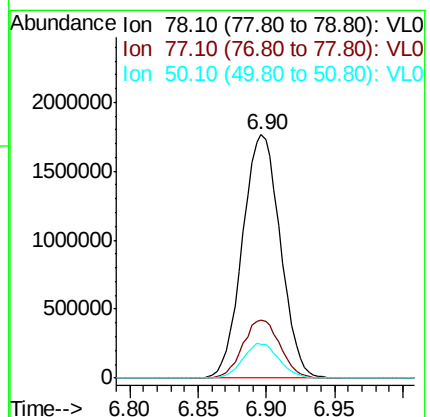
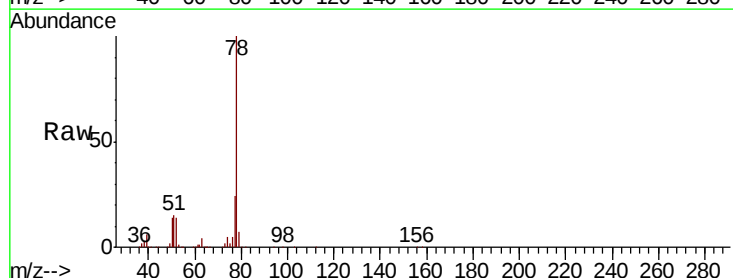
Tgt Ion: 78 Resp: 3404529

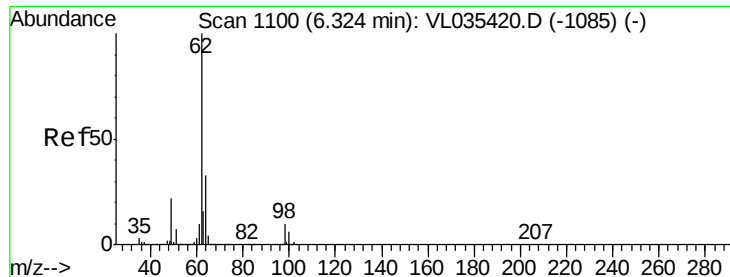
Ion Ratio Lower Upper

78 100

77 24.0 19.6 29.4

50 14.0 16.3 24.5#





#37

1,2-Dichloroethane

Concen: 10.136 ppbv

RT: 6.31 min Scan# 1096

Delta R.T. -0.01 min

Lab File: VL035472.D

Acq: 20 Aug 2020 12:31

Instrument :

MSVOA_L

ClientSampleId :

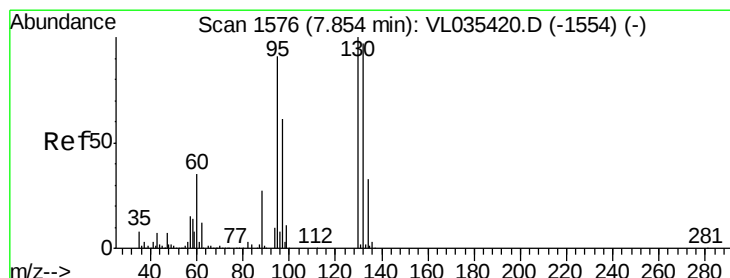
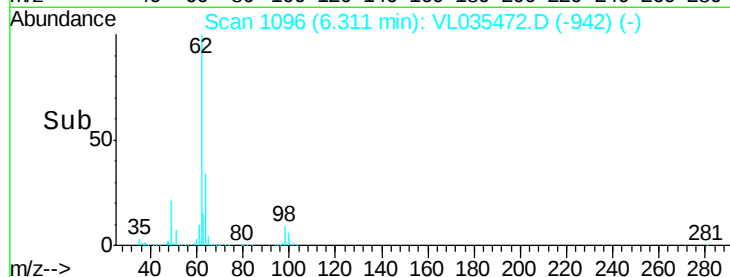
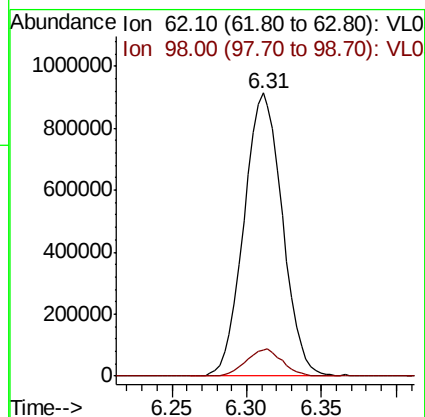
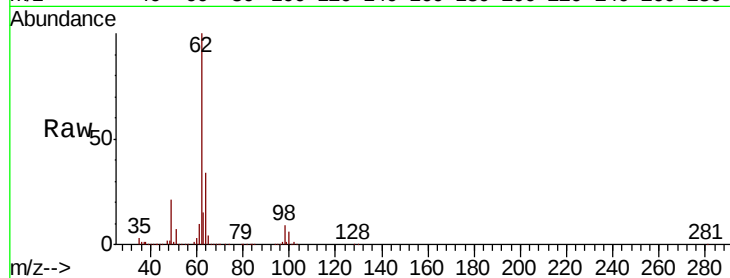
VL0820ABS01

Tot Ion: 62 Resp: 1632996

Ion Ratio Lower Upper

62 100

98 9.3 4.6 7.0#



#38

Trichloroethene

Concen: 9.725 ppbv

RT: 7.84 min Scan# 1572

Delta R.T. -0.01 min

Lab File: VL035472.D

Acq: 20 Aug 2020 12:31

Tgt Ion: 130 Resp: 1907071

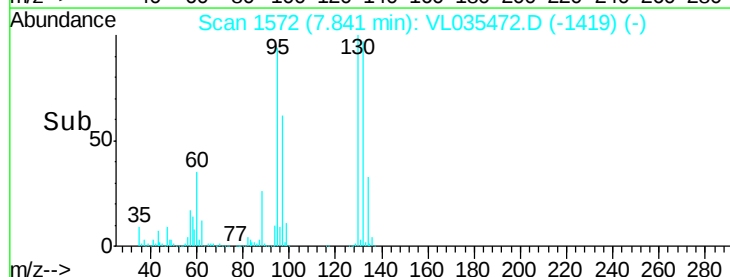
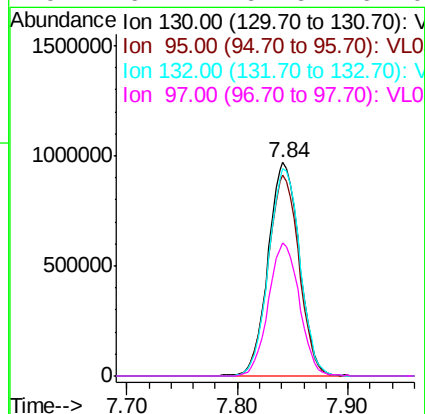
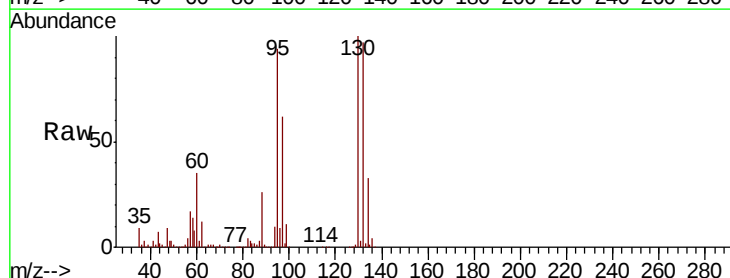
Ion Ratio Lower Upper

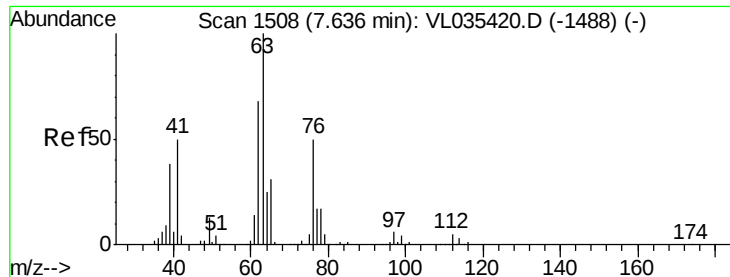
130 100

95 94.1 95.8 143.8#

132 97.1 74.3 111.5

97 62.4 62.6 94.0#





#39

1,2-Dichloropropane

Concen: 9.894 ppbv

RT: 7.62 min Scan# 1503

Delta R.T. -0.01 min

Lab File: VL035472.D

Acq: 20 Aug 2020 12:31

Instrument :

MSVOA_L

ClientSampleId :

VL0820ABS01

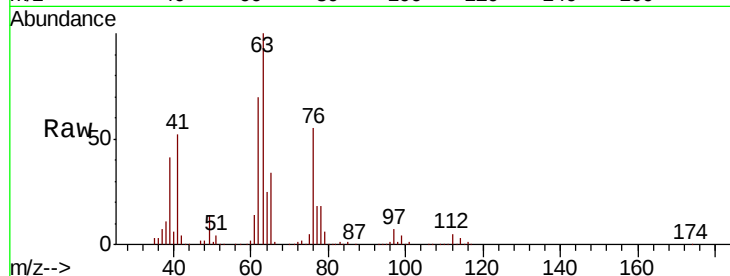
Tot Ion: 63 Resp: 1149609

Ion Ratio Lower Upper

63 100

41 51.8 61.1 91.7#

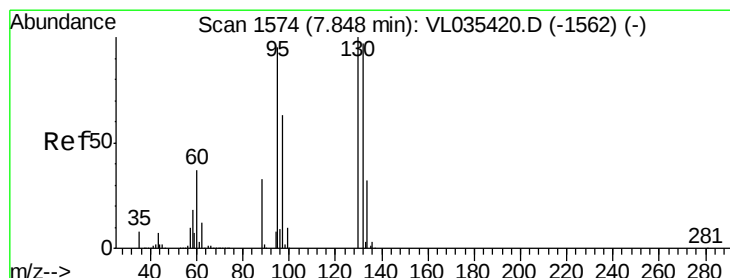
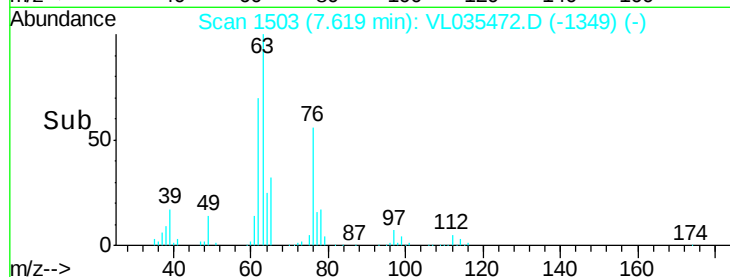
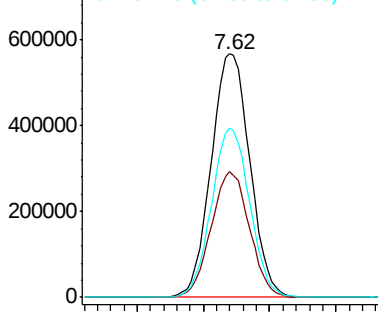
62 69.6 55.3 82.9



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: 9.608 ppbv

RT: 7.84 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VL035472.D

Acq: 20 Aug 2020 12:31

Tgt Ion: 88 Resp: 608111

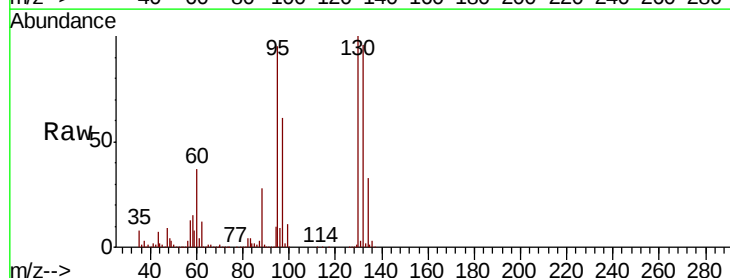
Ion Ratio Lower Upper

88 100

58 86.9 106.6 160.0#

43 132.4 209.7 314.5#

57 714.1 873.3 1309.9#

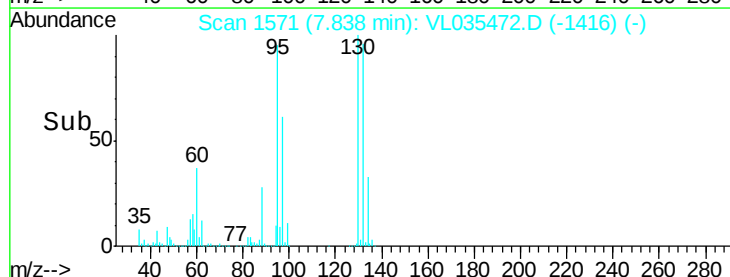
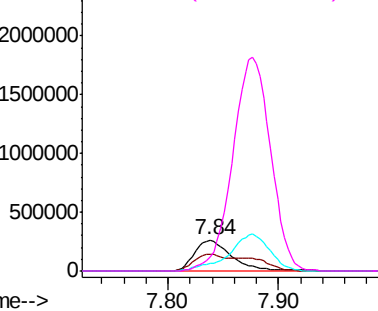


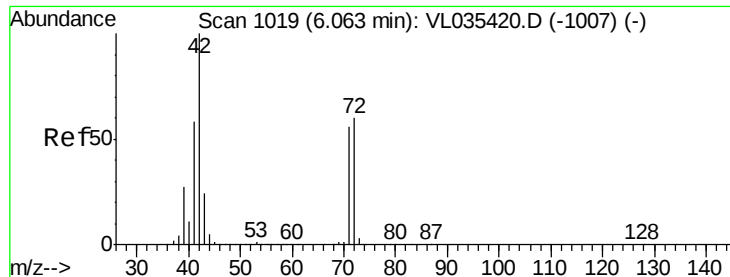
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#41

Tetrahydrofuran

Concen: 10.170 ppbv

RT: 6.05 min Scan# 1015

Delta R.T. -0.01 min

Lab File: VL035472.D

Acq: 20 Aug 2020 12:31

Instrument :

MSVOA_L

ClientSampleId :

VL0820ABS01

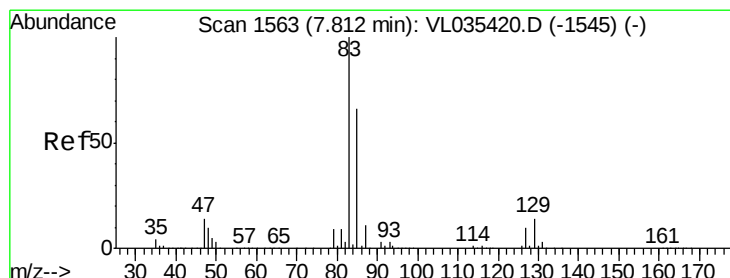
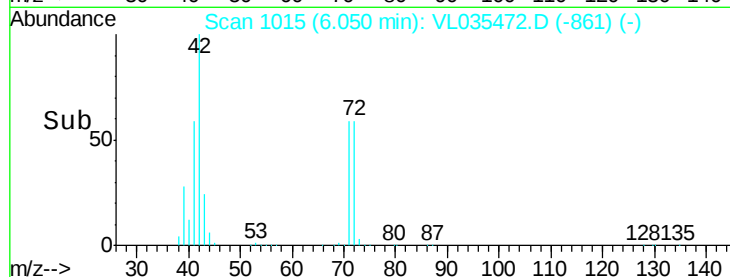
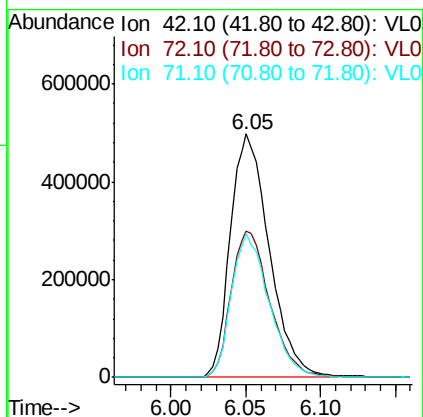
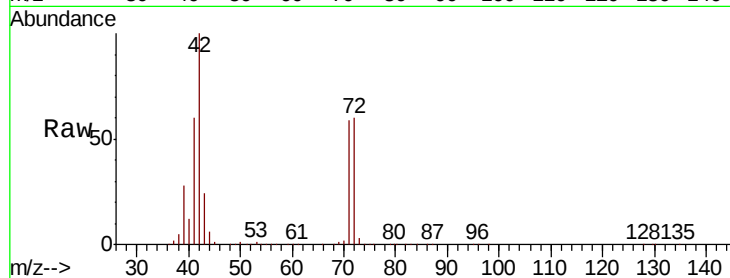
Tot Ion: 42 Resp: 900277

Ion Ratio Lower Upper

42 100

72 60.4 29.4 44.2#

71 57.5 28.9 43.3#



#42

Bromodichloromethane

Concen: 10.509 ppbv

RT: 7.80 min Scan# 1559

Delta R.T. -0.01 min

Lab File: VL035472.D

Acq: 20 Aug 2020 12:31

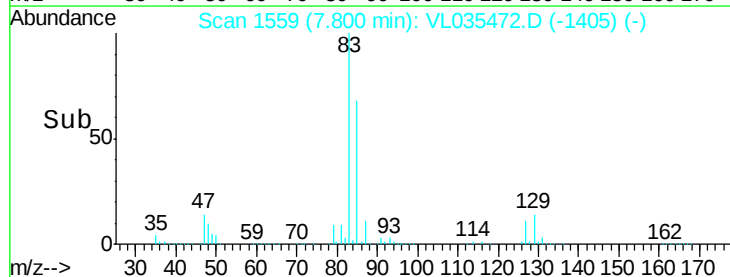
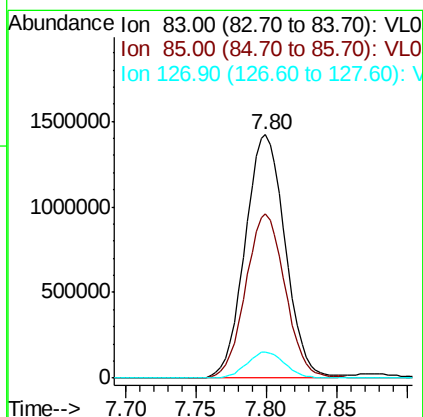
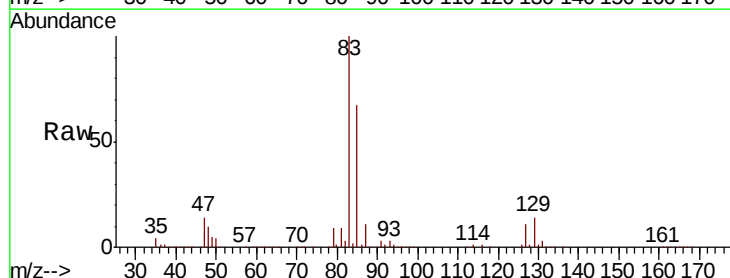
Tgt Ion: 83 Resp: 2833343

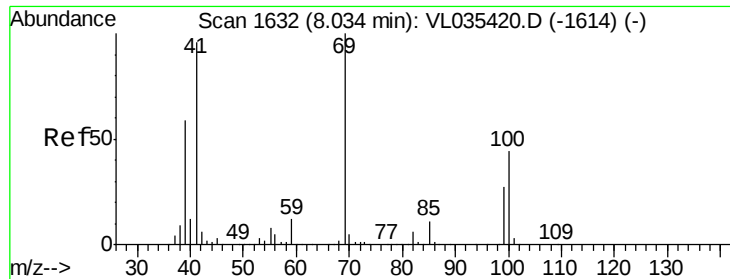
Ion Ratio Lower Upper

83 100

85 67.5 54.8 82.2

127 10.9 6.1 9.1#

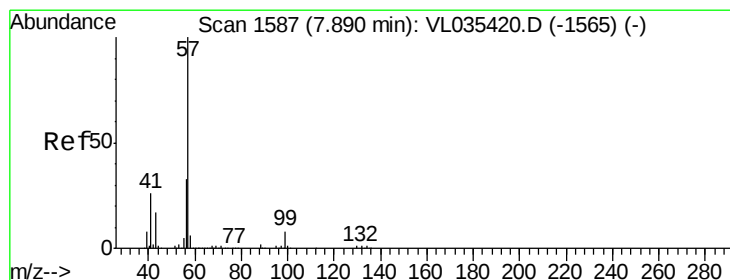
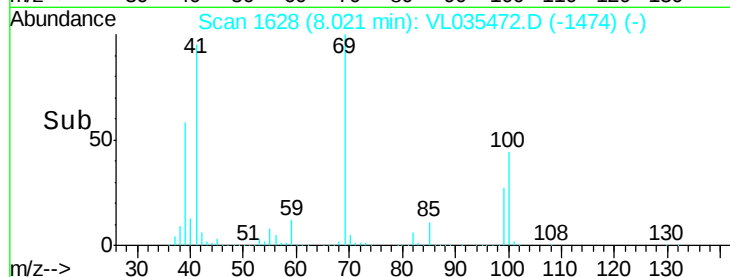
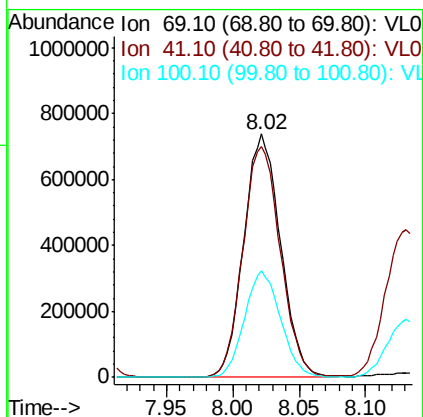
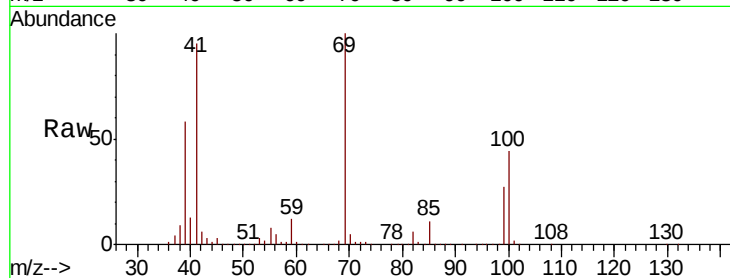




#43
Methvl Methacrylate
Concen: 10.334 ppbv
RT: 8.02 min Scan# 1628
Delta R.T. -0.01 min
Lab File: VL035472.D
Acq: 20 Aug 2020 12:31

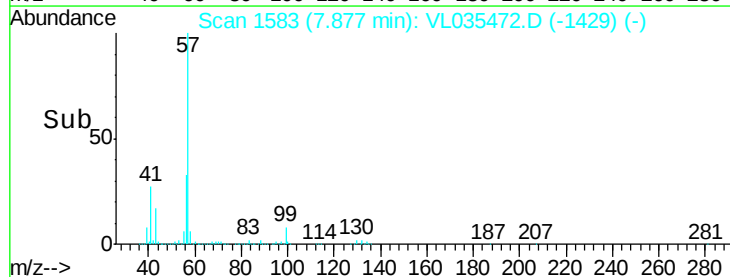
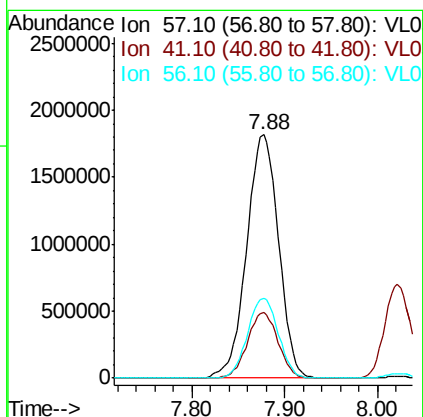
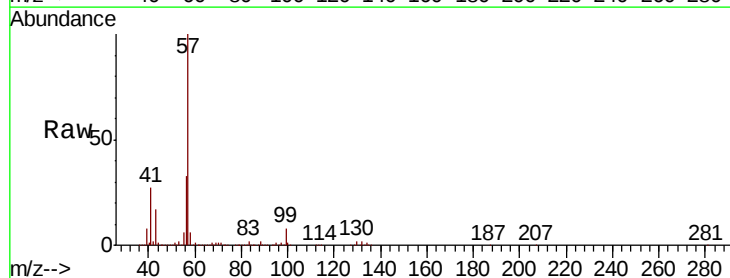
Instrument :
MSVOA_L
ClientSampleId :
VL0820ABS01

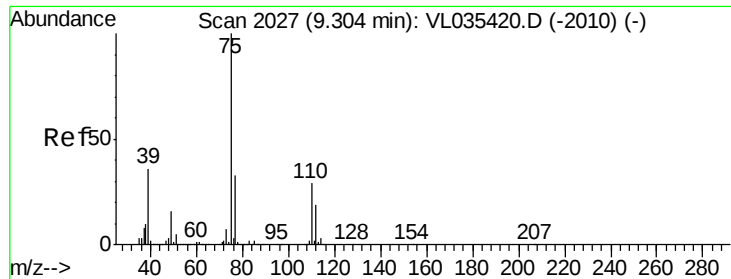
Tot Ion: 69 Resp: 1424732
Ion Ratio Lower Upper
69 100
41 96.4 123.4 185.0#
100 43.0 24.2 36.4#



#44
2,2,4-Trimethylpentane
Concen: 9.429 ppbv
RT: 7.88 min Scan# 1583
Delta R.T. -0.01 min
Lab File: VL035472.D
Acq: 20 Aug 2020 12:31

Tgt Ion: 57 Resp: 4340915
Ion Ratio Lower Upper
57 100
41 25.9 27.2 40.8#
56 31.7 25.4 38.0

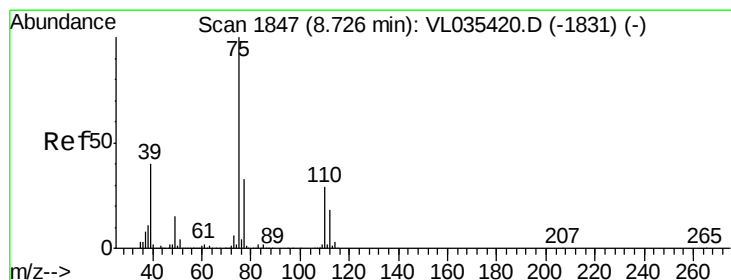
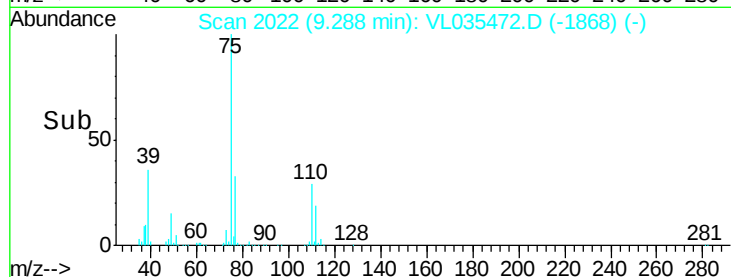
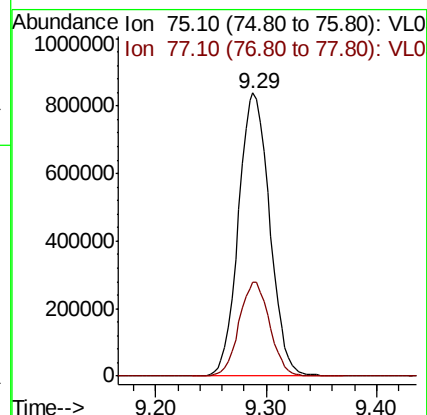
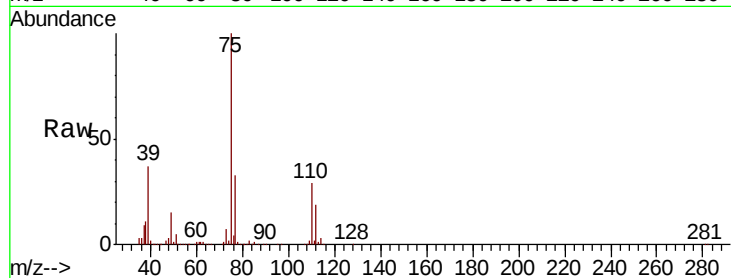




#45
t-1,3-Dichloropropene
Concen: 11.573 ppbv
RT: 9.29 min Scan# 2022
Delta R.T. -0.01 min
Lab File: VL035472.D
Acq: 20 Aug 2020 12:31

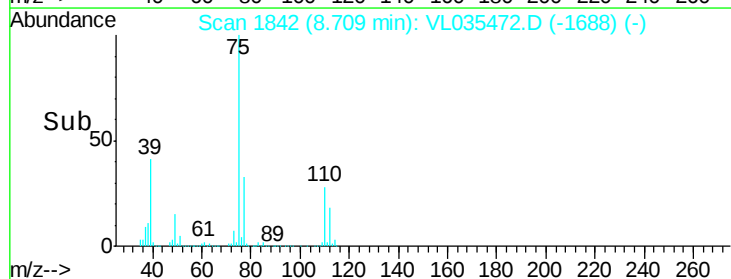
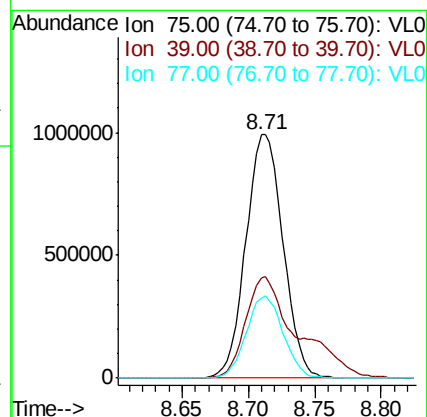
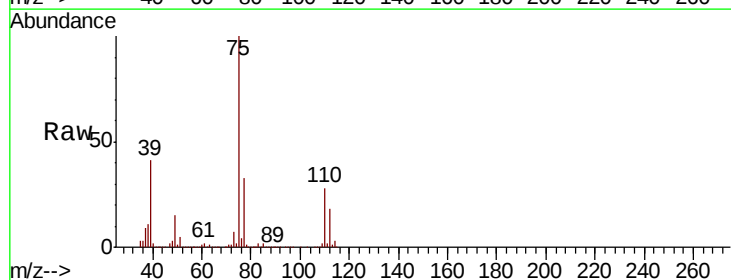
Instrument :
MSVOA_L
ClientSampleId :
VL0820ABS01

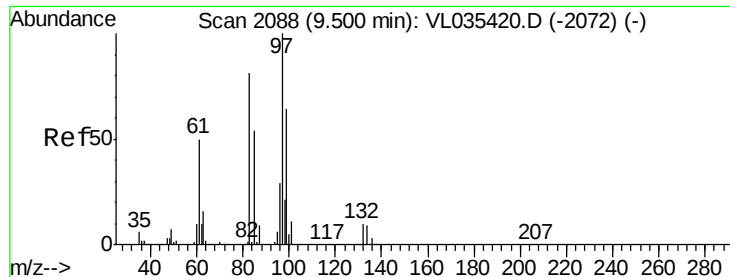
Tot Ion: 75 Resp: 1643461
Ion Ratio Lower Upper
75 100
77 33.2 25.0 37.6



#46
cis-1,3-Dichloropropene
Concen: 10.926 ppbv
RT: 8.71 min Scan# 1842
Delta R.T. -0.01 min
Lab File: VL035472.D
Acq: 20 Aug 2020 12:31

Tgt Ion: 75 Resp: 1932975
Ion Ratio Lower Upper
75 100
39 40.9 55.8 83.6#
77 32.8 25.6 38.4





#47

1,1,2-Trichloroethane

Concen: 9.973 ppbv

RT: 9.48 min Scan# 2083

Delta R.T. -0.01 min

Lab File: VL035472.D

Acq: 20 Aug 2020 12:31

Instrument :

MSVOA_L

ClientSampleId :

VL0820ABS01

Tot Ion: 97 Resp: 1730734

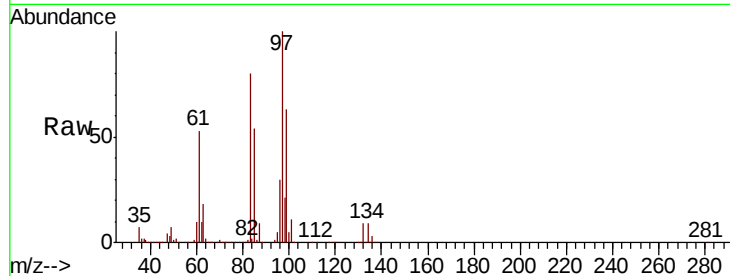
Ion Ratio Lower Upper

97 100

83 80.0 72.1 108.1

85 53.6 46.8 70.2

99 63.2 48.6 73.0

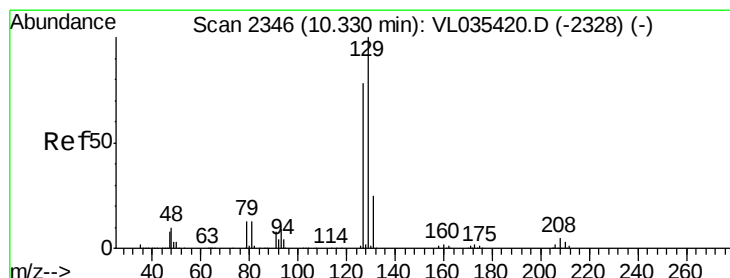
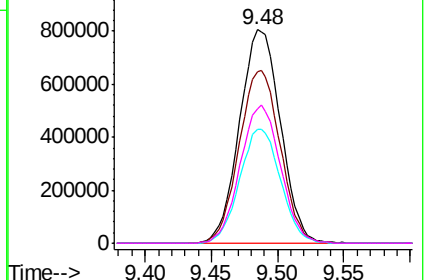
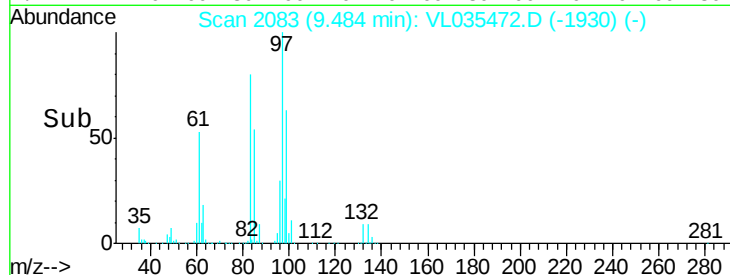


Abundance Ion 97.00 (96.70 to 97.70): VL0

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



#48

Dibromochloromethane

Concen: 10.787 ppbv

RT: 10.32 min Scan# 2342

Delta R.T. -0.00 min

Lab File: VL035472.D

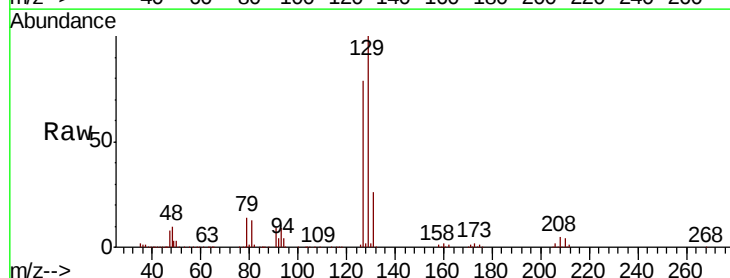
Acq: 20 Aug 2020 12:31

Tgt Ion: 129 Resp: 3140411

Ion Ratio Lower Upper

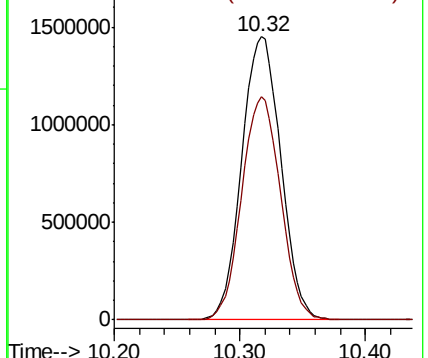
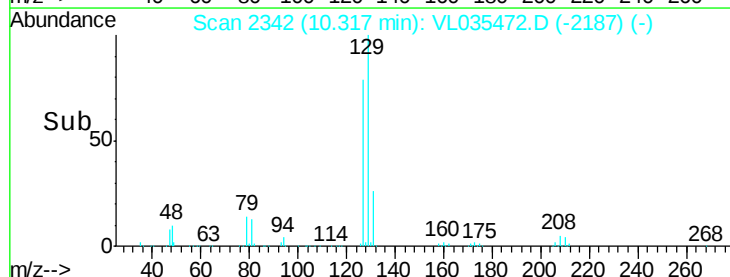
129 100

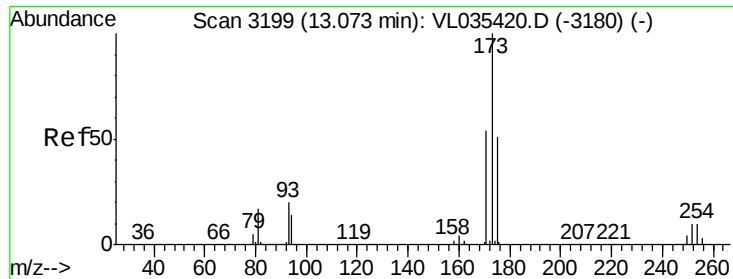
127 78.2 39.5 118.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 11.184 ppbv

RT: 13.06 min Scan# 3195

Delta R.T. -0.00 min

Lab File: VL035472.D

Acq: 20 Aug 2020 12:31

Instrument :

MSVOA_L

ClientSampleId :

VL0820ABS01

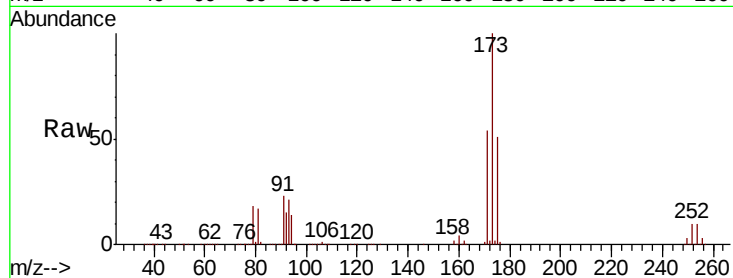
Tot Ion:173 Resp: 3136591

Ion Ratio Lower Upper

173 100

175 50.4 39.8 59.8

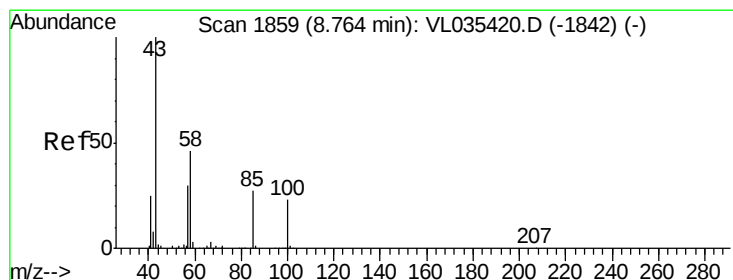
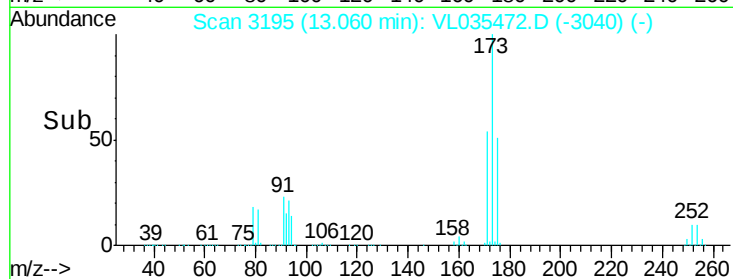
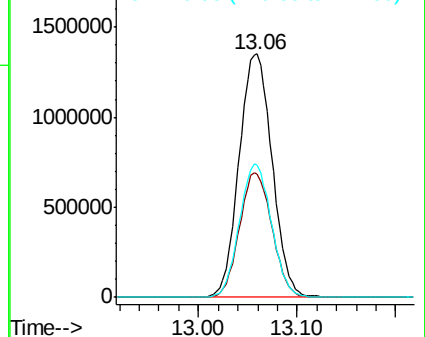
171 53.3 42.4 63.6



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 10.050 ppbv

RT: 8.75 min Scan# 1854

Delta R.T. -0.01 min

Lab File: VL035472.D

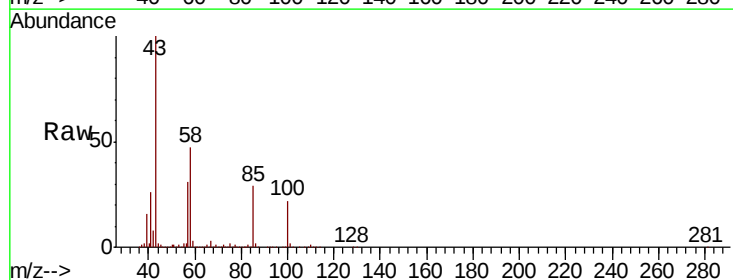
Acq: 20 Aug 2020 12:31

Tgt Ion: 43 Resp: 2313415

Ion Ratio Lower Upper

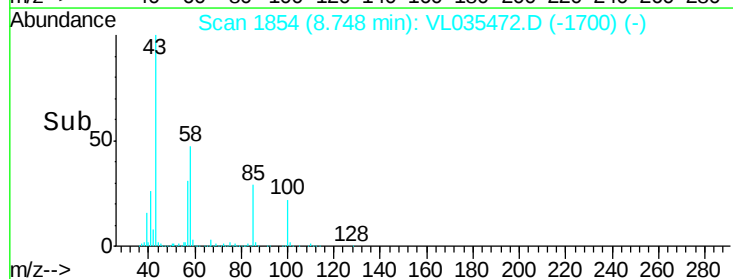
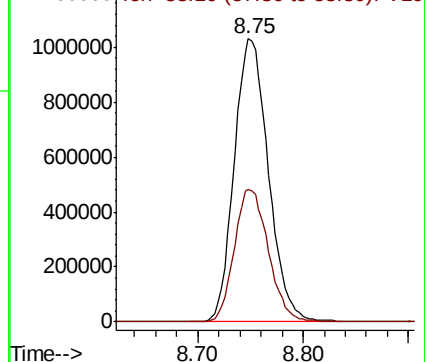
43 100

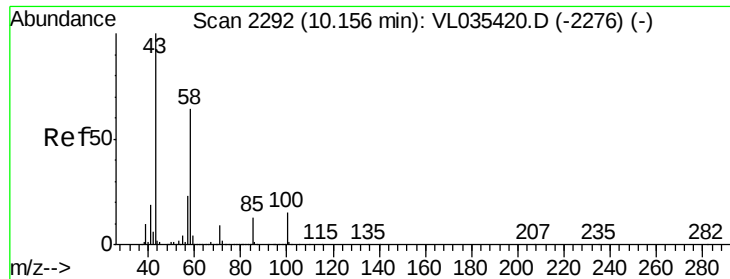
58 46.8 28.7 43.1#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

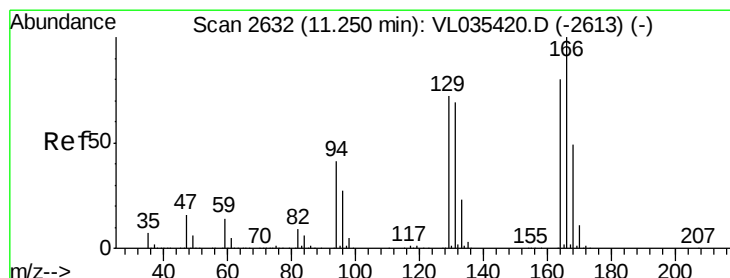
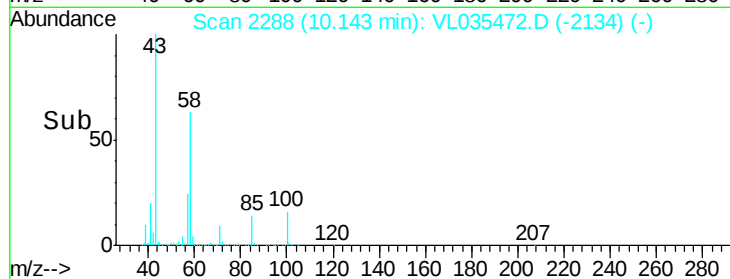
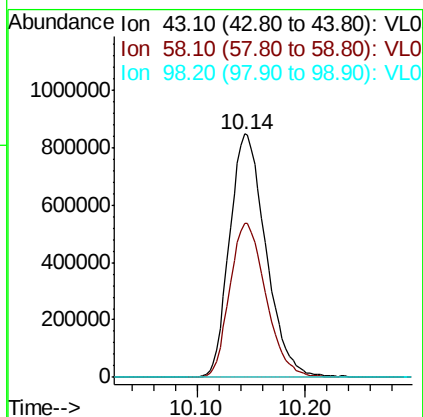
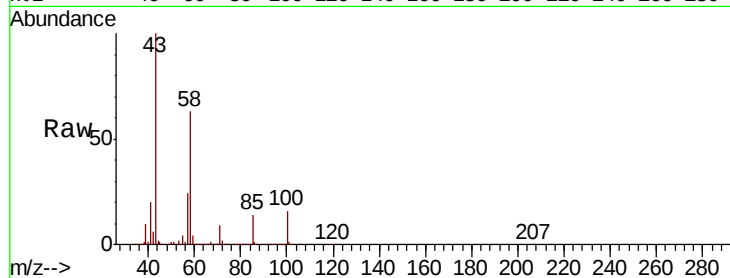




#51
2-Hexanone
Concen: 10.257 ppbv
RT: 10.14 min Scan# 2288
Delta R.T. -0.01 min
Lab File: VL035472.D
Acq: 20 Aug 2020 12:31

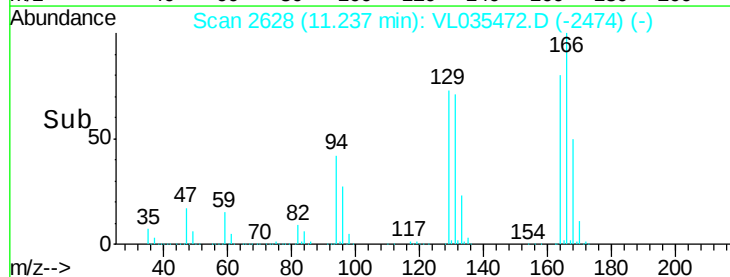
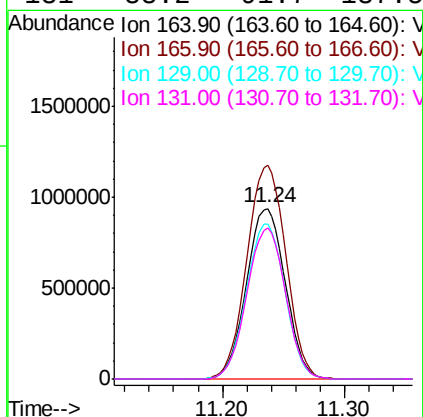
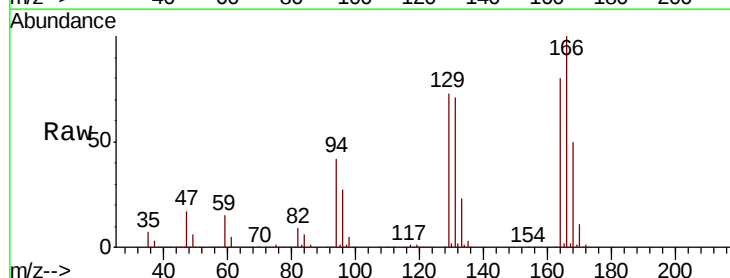
Instrument :
MSVOA_L
ClientSampleId :
VL0820ABS01

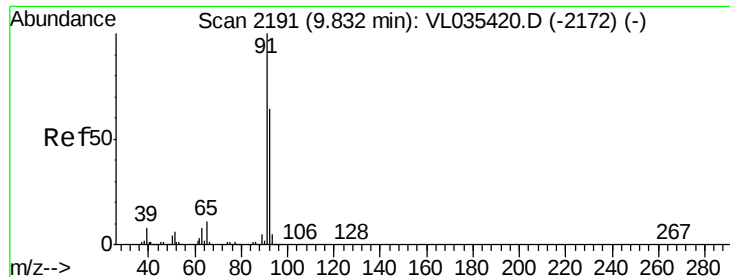
Tot Ion: 43 Resp: 1990330
Ion Ratio Lower Upper
43 100
58 63.3 38.6 58.0#
98 0.5 0.2 0.2#



#52
Tetrachloroethene
Concen: 9.592 ppbv
RT: 11.24 min Scan# 2628
Delta R.T. -0.01 min
Lab File: VL035472.D
Acq: 20 Aug 2020 12:31

Tgt Ion: 164 Resp: 2062595
Ion Ratio Lower Upper
164 100
166 125.0 103.4 155.0
129 91.0 90.2 135.4
131 88.2 91.7 137.5#





#53

Toluene

Concen: 9.780 ppbv

RT: 9.82 min Scan# 2186

Delta R.T. -0.01 min

Lab File: VL035472.D

Acq: 20 Aug 2020 12:31

Instrument :

MSVOA_L

ClientSampleId :

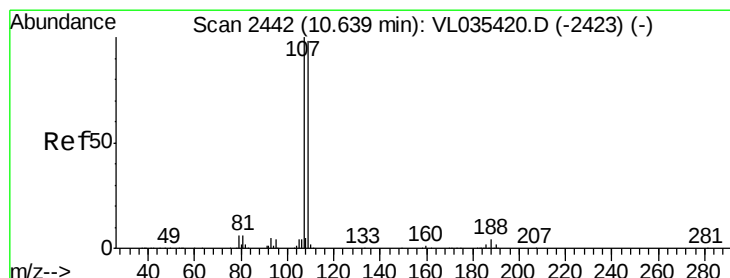
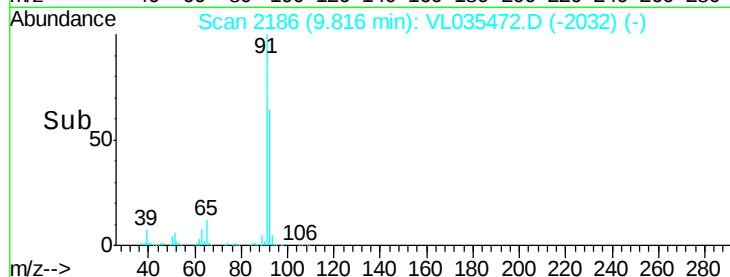
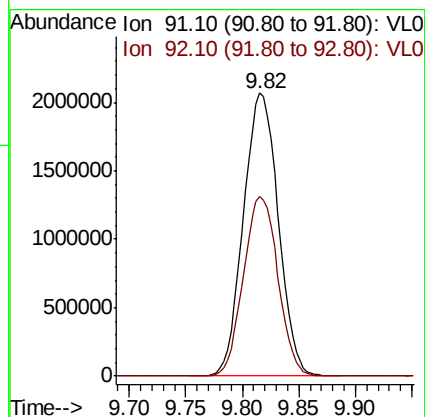
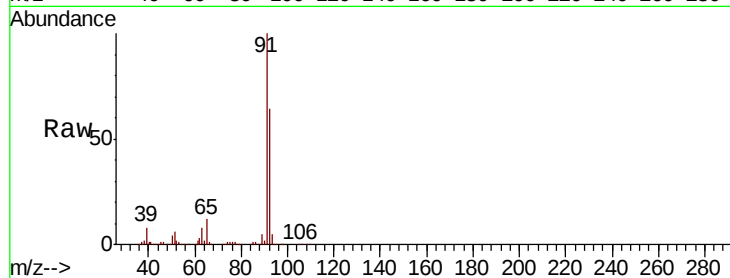
VL0820ABS01

Tot Ion: 91 Resp: 4440936

Ion Ratio Lower Upper

91 100

92 62.9 49.1 73.7



#54

1,2-Dibromoethane

Concen: 9.985 ppbv

RT: 10.62 min Scan# 2437

Delta R.T. -0.01 min

Lab File: VL035472.D

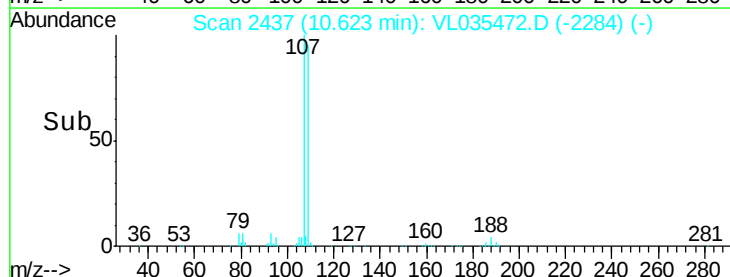
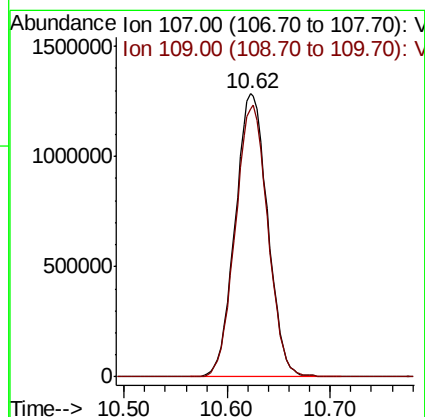
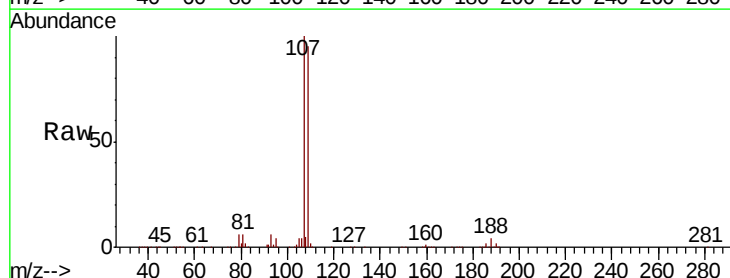
Acq: 20 Aug 2020 12:31

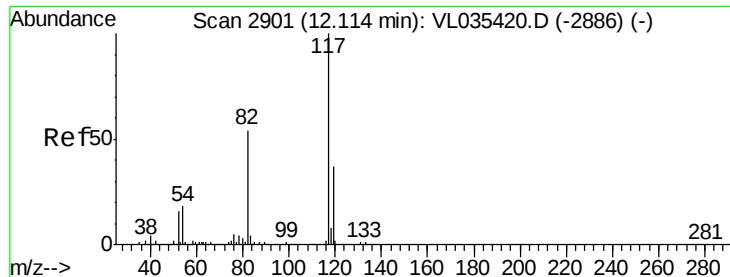
Tgt Ion: 107 Resp: 2814231

Ion Ratio Lower Upper

107 100

109 94.8 75.1 112.7





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.10 min Scan# 2897

Delta R.T. -0.01 min

Lab File: VL035472.D

Acq: 20 Aug 2020 12:31

Instrument :

MSVOA_L

ClientSampleId :

VL0820ABS01

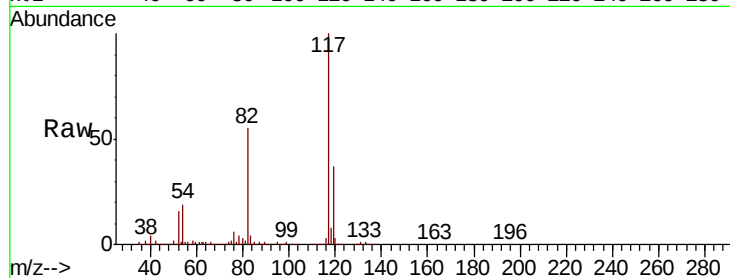
Tot Ion:117 Resp: 6295045

Ion Ratio Lower Upper

117 100

82 41.8 57.4 86.0#

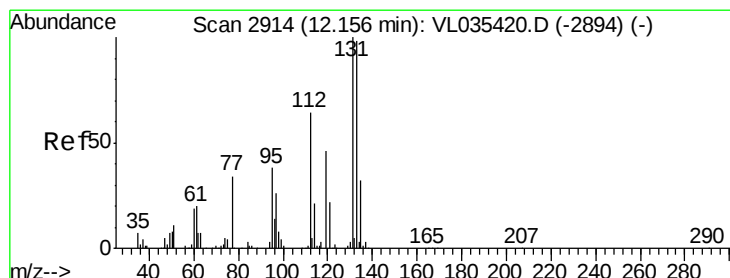
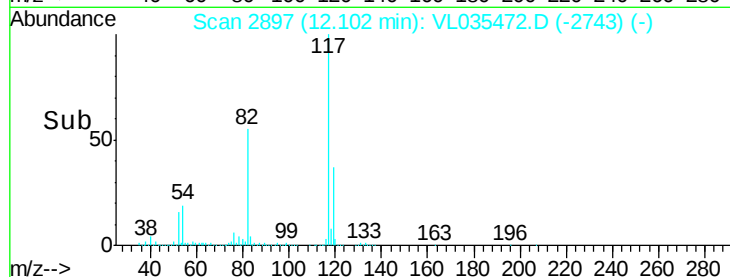
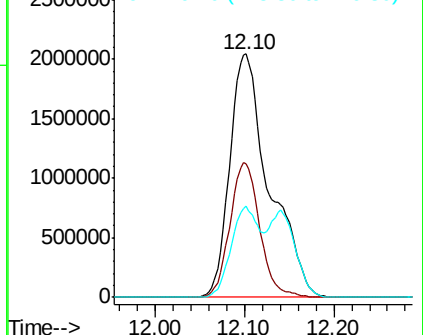
119 25.0 28.4 42.6#



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 8.229 ppbv

RT: 12.14 min Scan# 2909

Delta R.T. -0.01 min

Lab File: VL035472.D

Acq: 20 Aug 2020 12:31

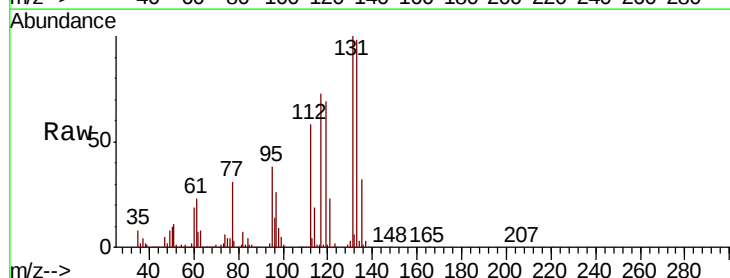
Tgt Ion:131 Resp: 2457328

Ion Ratio Lower Upper

131 100

133 96.4 76.1 114.1

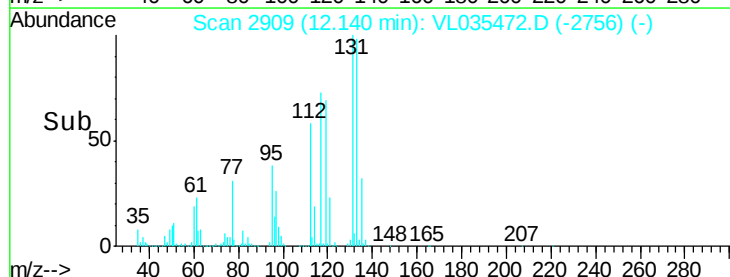
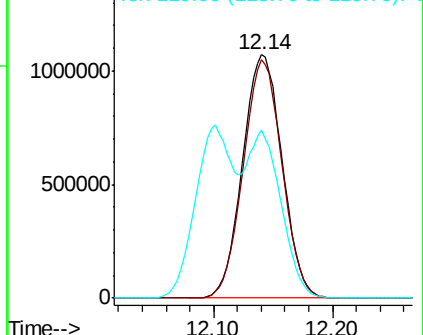
119 67.0 50.7 76.1

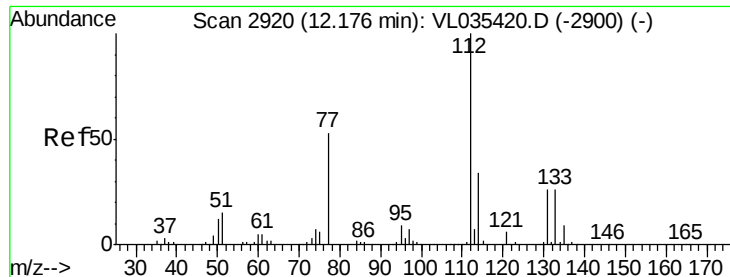


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

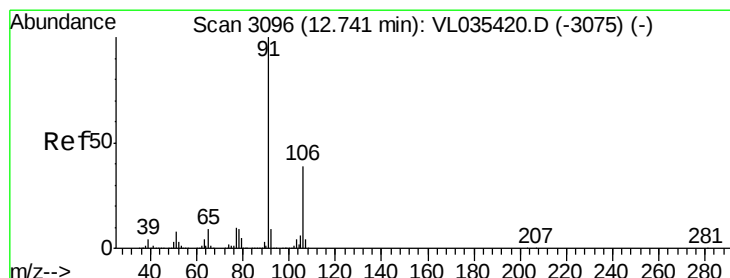
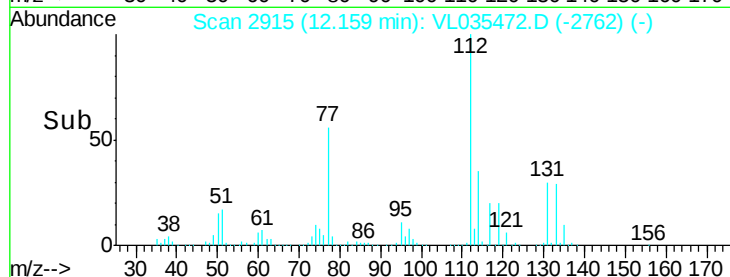
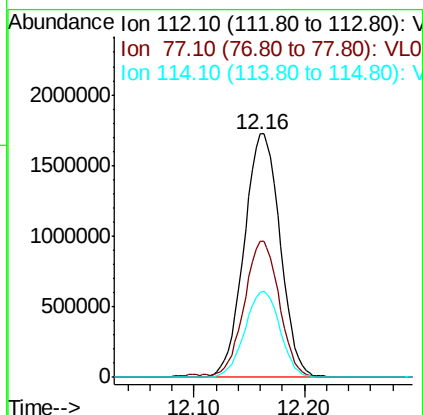
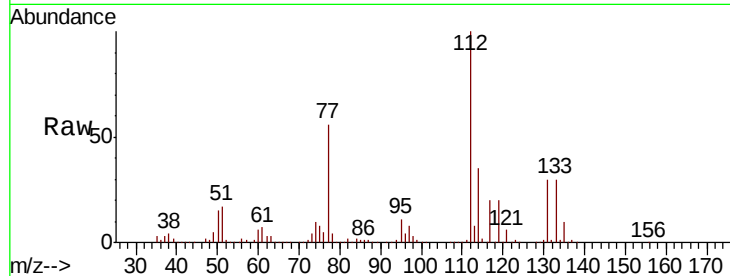




#57
Chlorobenzene
Concen: 7.424 ppbv
RT: 12.16 min Scan# 2915
Delta R.T. -0.01 min
Lab File: VL035472.D
Acq: 20 Aug 2020 12:31

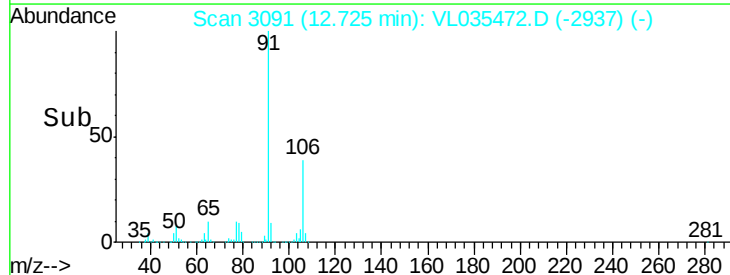
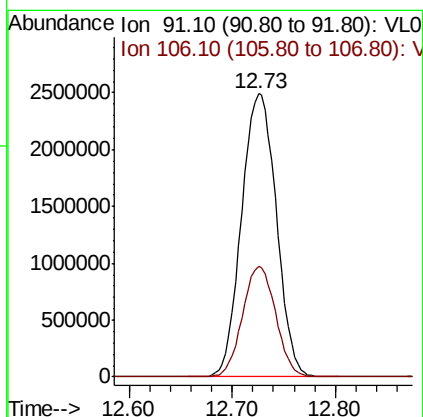
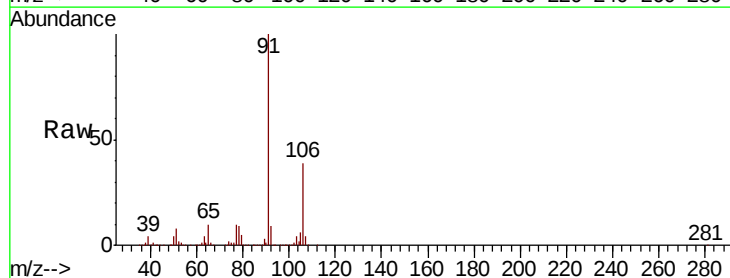
Instrument :
MSVOA_L
ClientSampleId :
VL0820ABS01

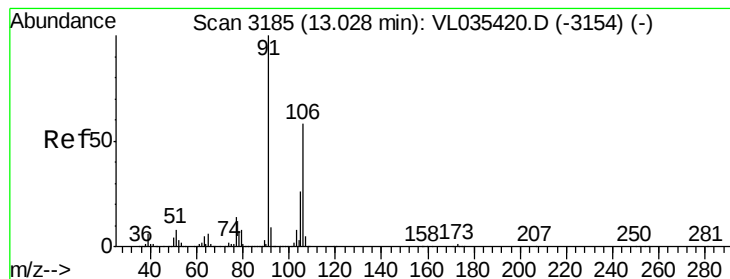
Tot Ion:112 Resp: 3901035
Ion Ratio Lower Upper
112 100
77 56.0 60.6 91.0#
114 35.1 28.5 34.9#



#58
Ethyl Benzene
Concen: 7.693 ppbv
RT: 12.73 min Scan# 3091
Delta R.T. -0.01 min
Lab File: VL035472.D
Acq: 20 Aug 2020 12:31

Tgt Ion: 91 Resp: 5846325
Ion Ratio Lower Upper
91 100
106 39.1 24.1 36.1#





#59

m/p-Xylene

Concen: 7.892 ppbv

RT: 13.01 min Scan# 3181

Delta R.T. -0.01 min

Lab File: VL035472.D

Acq: 20 Aug 2020 12:31

Instrument :

MSVOA_L

ClientSampleId :

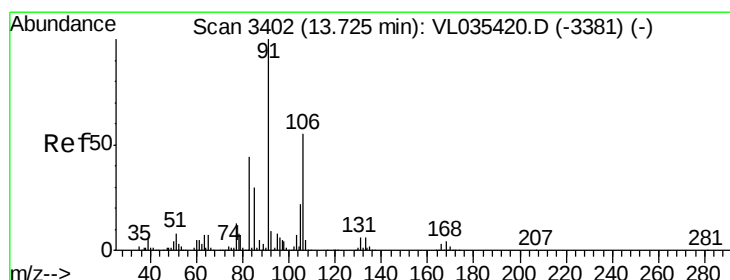
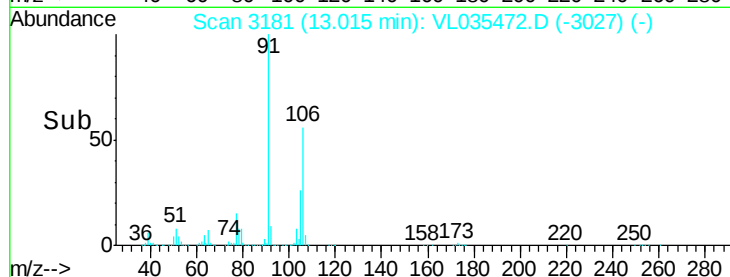
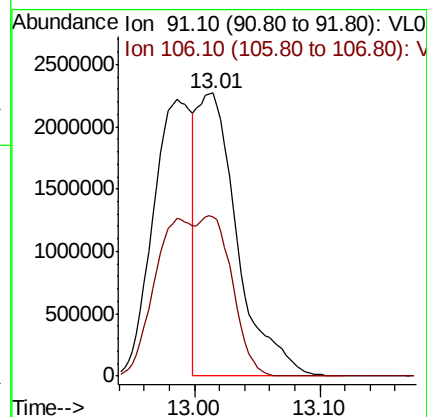
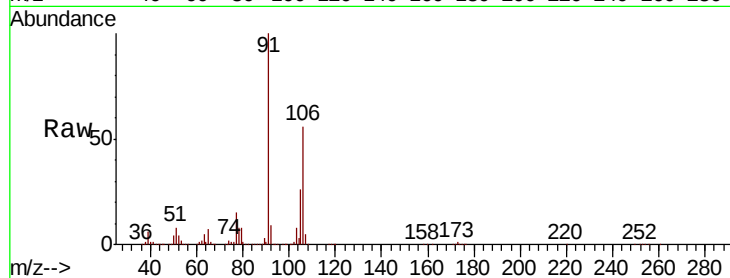
VL0820ABS01

Tot Ion: 91 Resp: 5069683

Ion Ratio Lower Upper

91 100

106 102.2 34.0 51.0#



#60

o-Xylene

Concen: 7.739 ppbv

RT: 13.71 min Scan# 3397

Delta R.T. -0.01 min

Lab File: VL035472.D

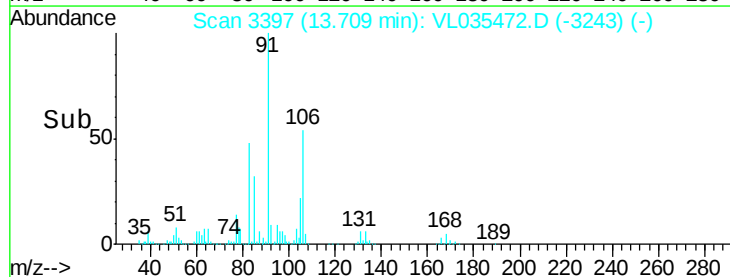
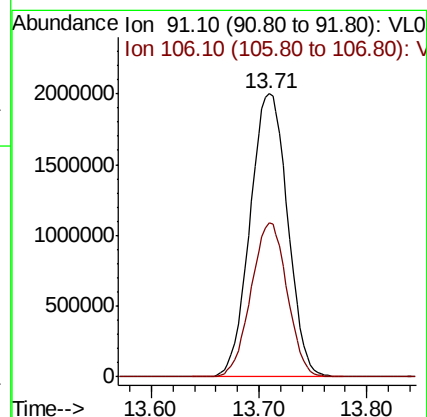
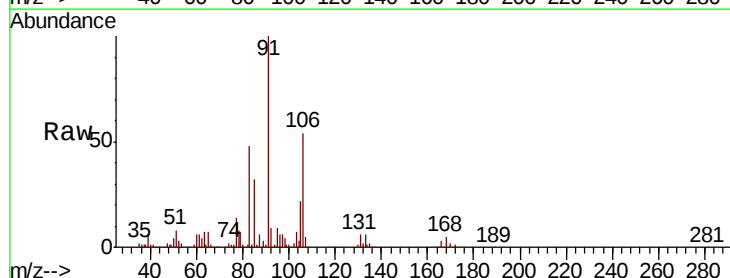
Acq: 20 Aug 2020 12:31

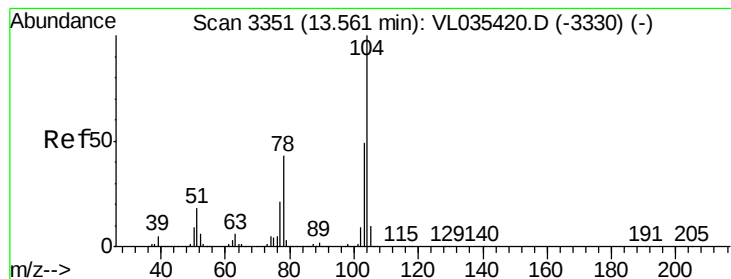
Tgt Ion: 91 Resp: 4831426

Ion Ratio Lower Upper

91 100

106 52.4 21.8 65.3





#61

Stvrene

Concen: 8.058 ppbv

RT: 13.55 min Scan# 3346

Delta R.T. -0.01 min

Lab File: VL035472.D

Acq: 20 Aug 2020 12:31

Instrument :

MSVOA_L

ClientSampleId :

VL0820ABS01

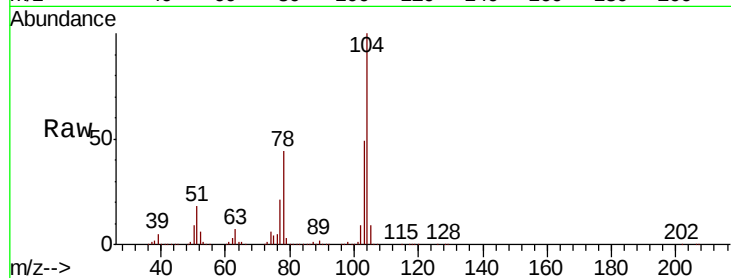
Tot Ion:104 Resp: 4064978

Ion Ratio Lower Upper

104 100

78 43.8 45.4 68.2#

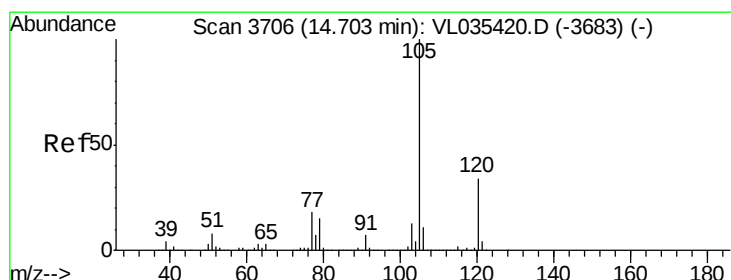
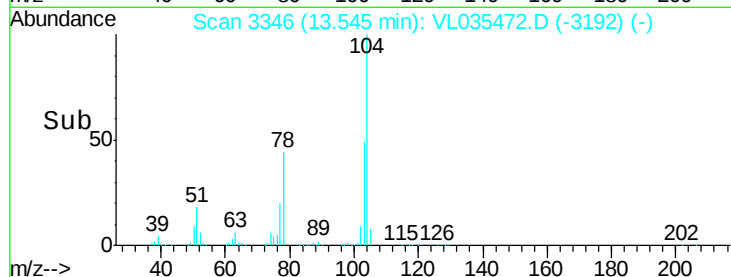
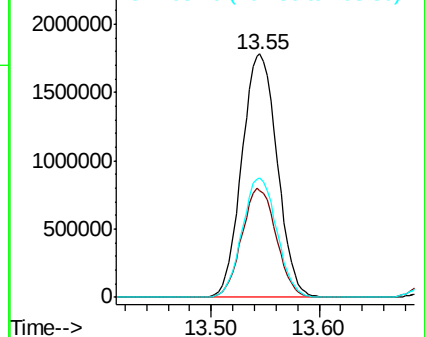
103 48.2 37.8 56.8



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: 7.323 ppbv

RT: 14.69 min Scan# 3701

Delta R.T. -0.01 min

Lab File: VL035472.D

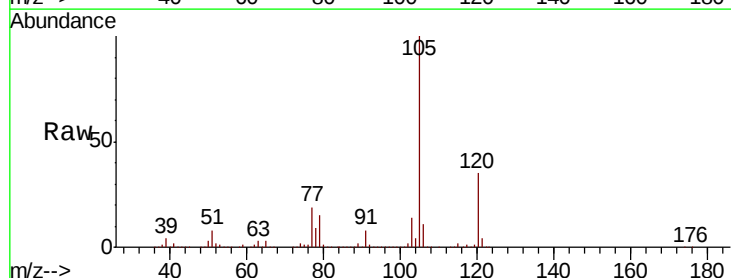
Acq: 20 Aug 2020 12:31

Tgt Ion:105 Resp: 7493311

Ion Ratio Lower Upper

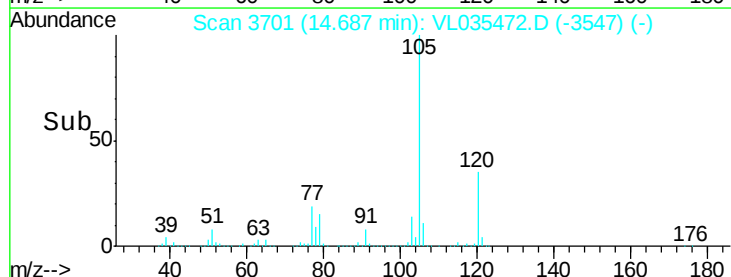
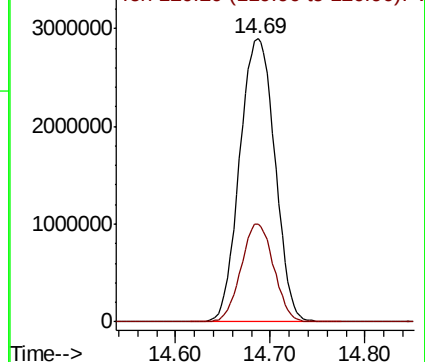
105 100

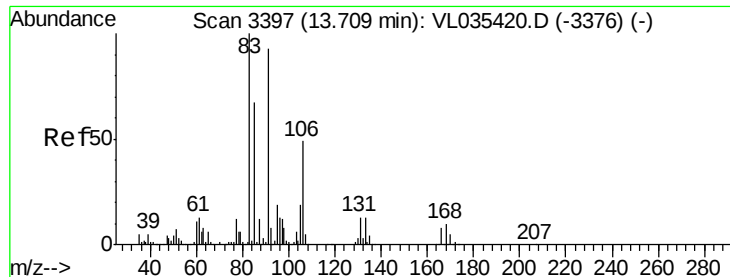
120 32.1 20.3 30.5#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#63

1,1,2,2-Tetrachloroethane

Concen: 7.584 ppbv

RT: 13.70 min Scan# 3393

Delta R.T. -0.01 min

Lab File: VL035472.D

Acq: 20 Aug 2020 12:31

Instrument :

MSVOA_L

ClientSampleId :

VL0820ABS01

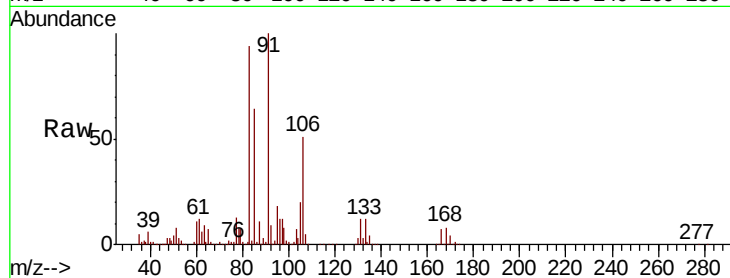
Tot Ion: 83 Resp: 3401274

Ion Ratio Lower Upper

83 100

131 12.7 4.5 13.4

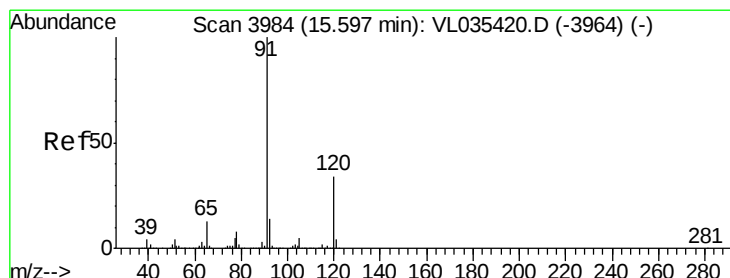
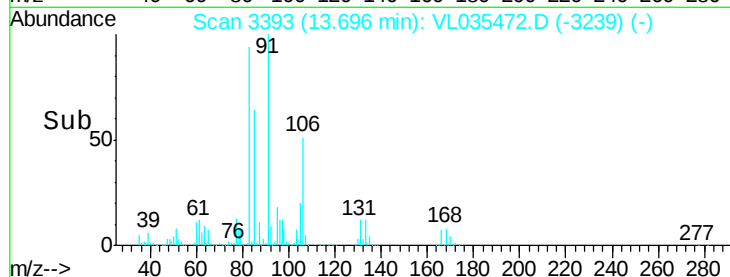
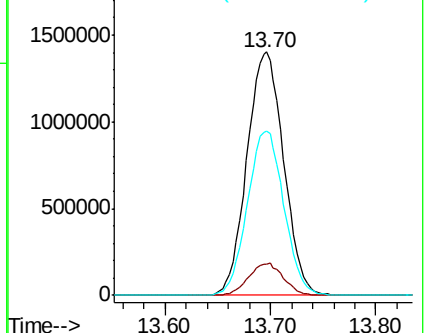
85 67.2 32.7 98.1



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 7.963 ppbv

RT: 15.58 min Scan# 3979

Delta R.T. -0.01 min

Lab File: VL035472.D

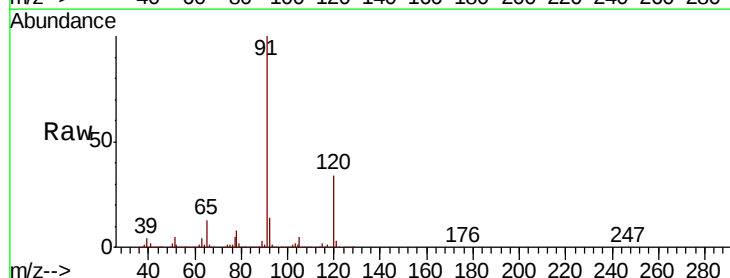
Acq: 20 Aug 2020 12:31

Tgt Ion:120 Resp: 2511362

Ion Ratio Lower Upper

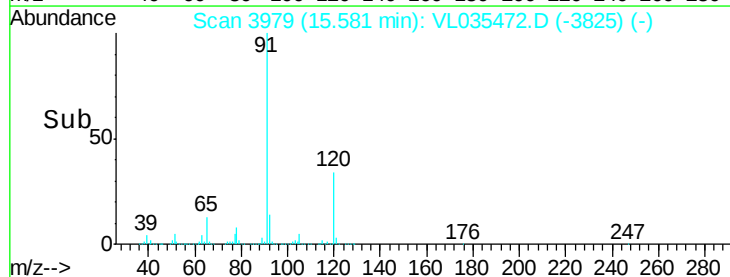
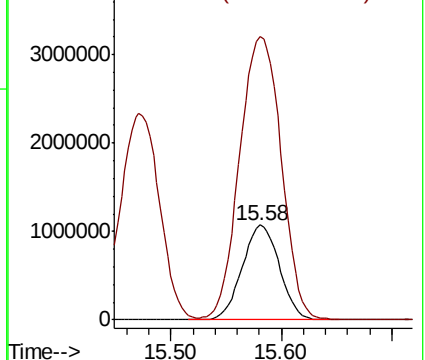
120 100

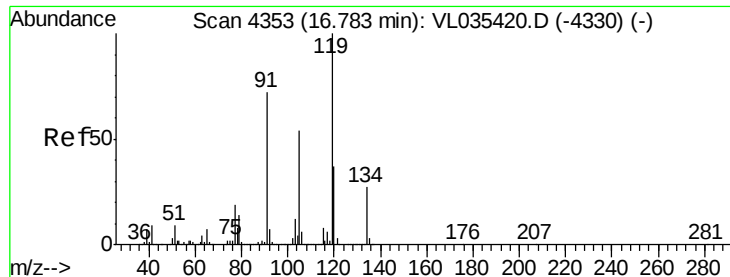
91 334.5 385.5 578.3#



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 7.359 ppbv

RT: 16.77 min Scan# 4348

Delta R.T. -0.01 min

Lab File: VL035472.D

Acq: 20 Aug 2020 12:31

Instrument :

MSVOA_L

ClientSampleId :

VL0820ABS01

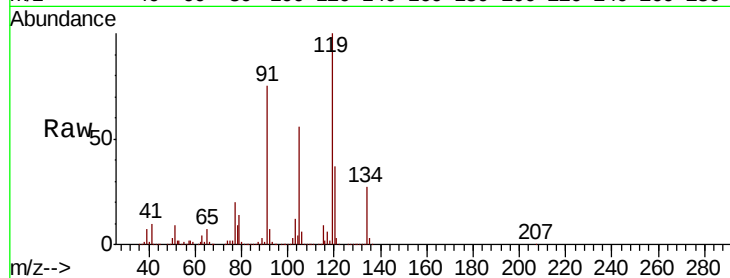
Tot Ion:119 Resp: 7317720

Ion Ratio Lower Upper

119 100

91 72.8 72.0 108.0

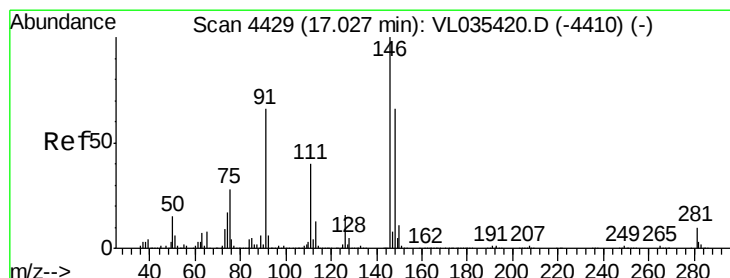
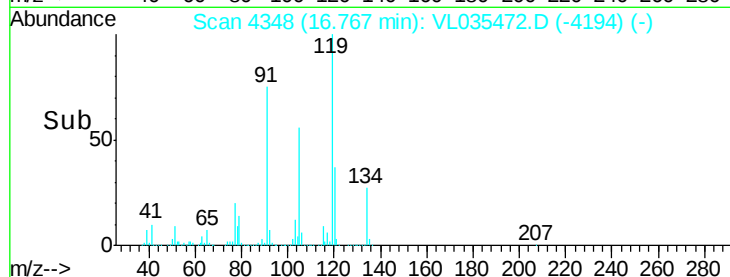
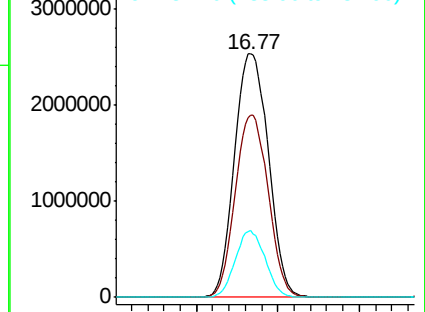
134 24.2 15.7 23.5#



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



#66

Benzyl Chloride

Concen: 10.450 ppbv

RT: 17.01 min Scan# 4424

Delta R.T. -0.01 min

Lab File: VL035472.D

Acq: 20 Aug 2020 12:31

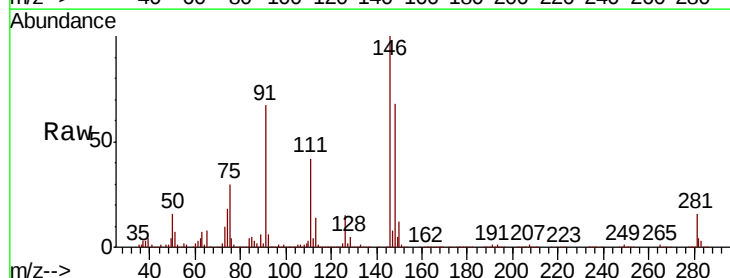
Tgt Ion: 91 Resp: 2499533

Ion Ratio Lower Upper

91 100

126 22.2 13.3 19.9#

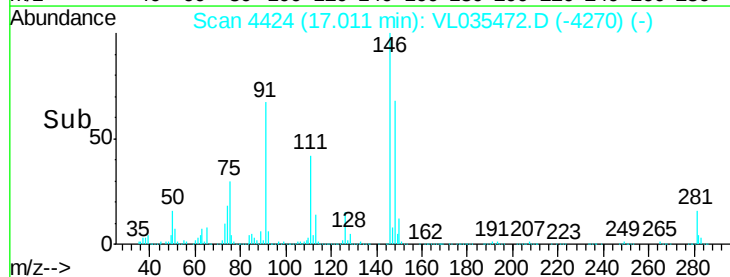
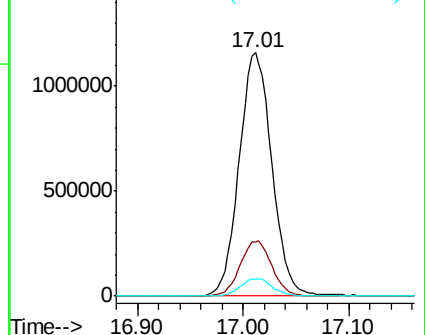
128 7.1 4.1 6.1#

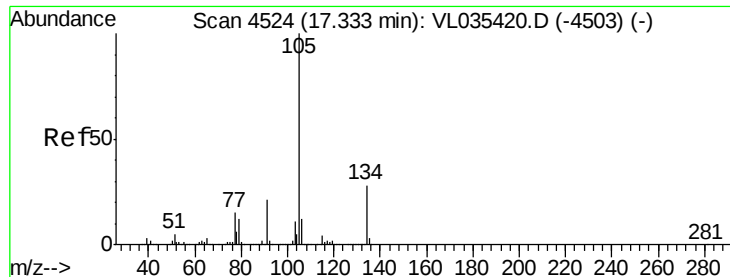


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 7.091 ppbv

RT: 17.32 min Scan# 4519

Delta R.T. -0.01 min

Lab File: VL035472.D

Acq: 20 Aug 2020 12:31

Instrument :

MSVOA_L

ClientSampleId :

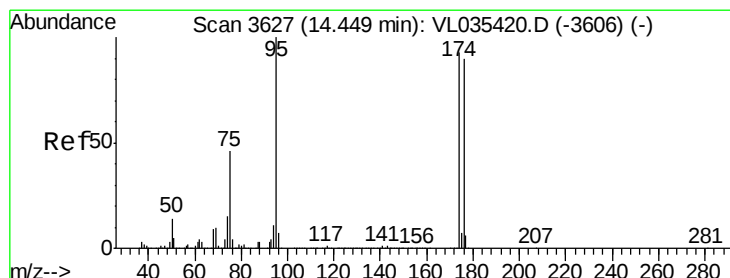
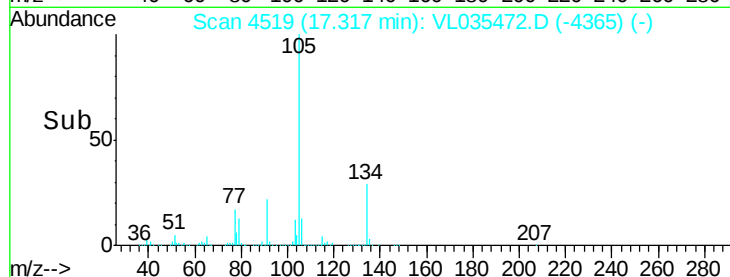
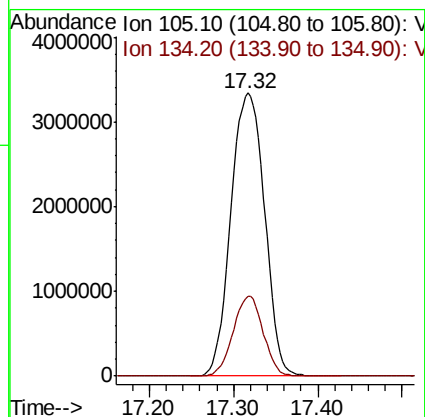
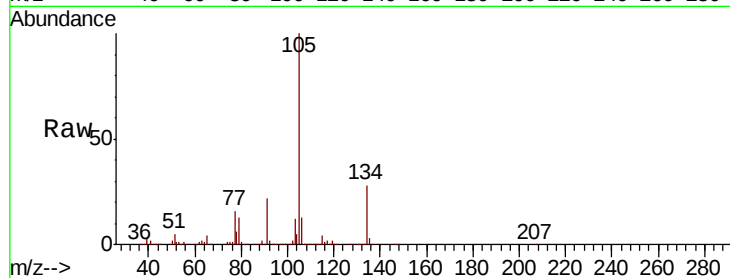
VL0820ABS01

Tot Ion:105 Resp: 9279908

Ion Ratio Lower Upper

105 100

134 25.1 14.1 21.1#



#68

1-Bromo-4-Fluorobenzene

Concen: 7.803 ppbv

RT: 14.43 min Scan# 3622

Delta R.T. -0.01 min

Lab File: VL035472.D

Acq: 20 Aug 2020 12:31

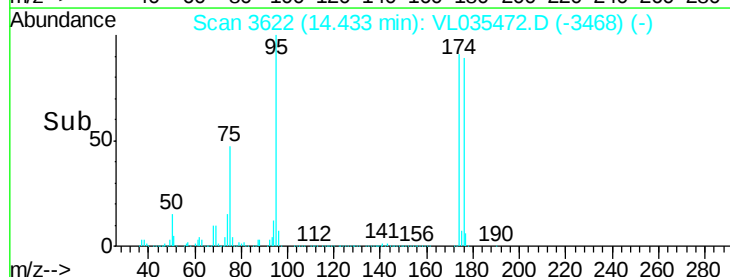
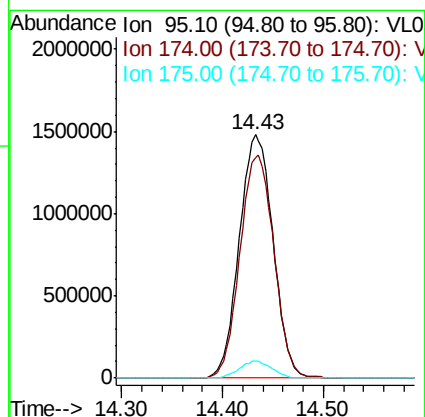
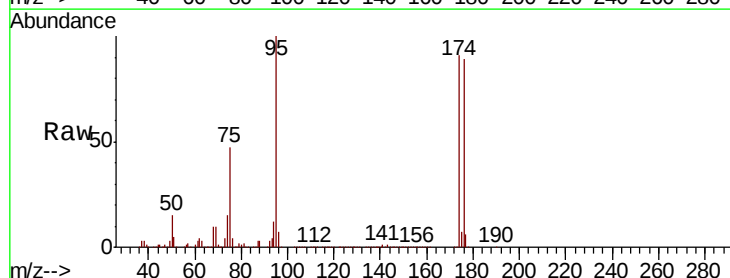
Tgt Ion: 95 Resp: 3438770

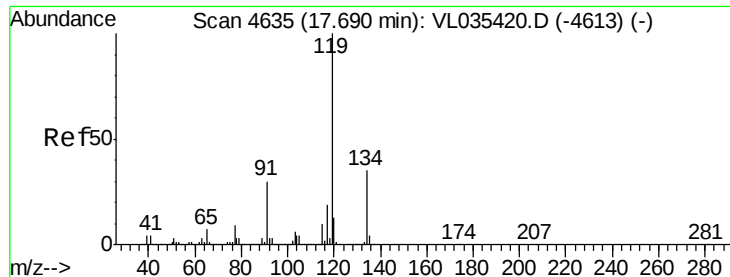
Ion Ratio Lower Upper

95 100

174 92.2 44.0 66.0#

175 6.8 3.2 4.8#

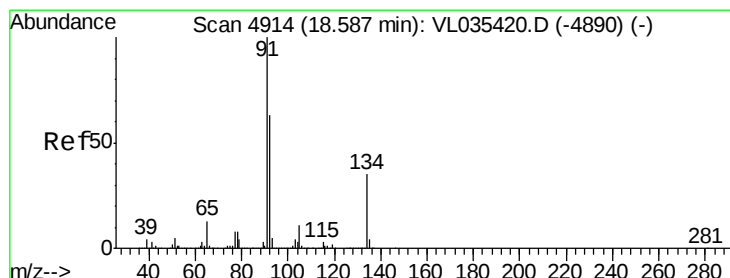
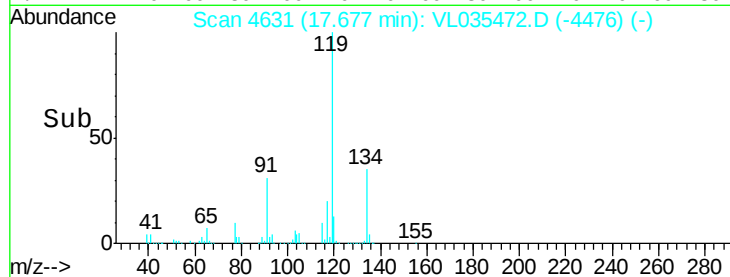
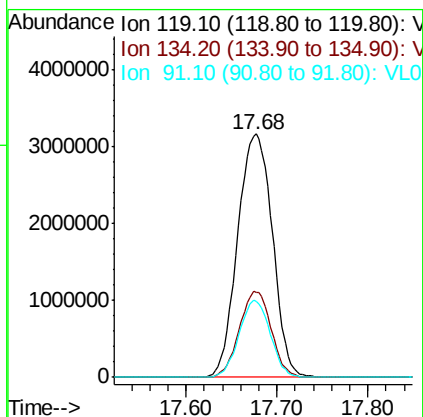
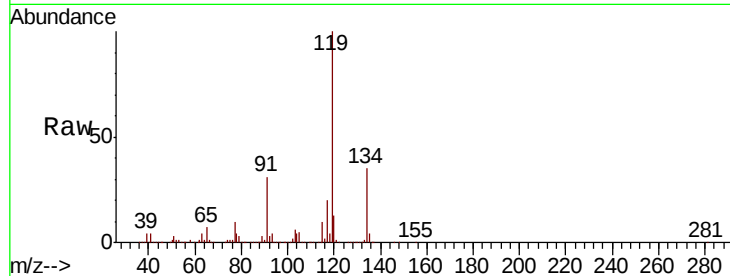




#69
p-Isopropyltoluene
Concen: 7.236 ppbv
RT: 17.68 min Scan# 4631
Delta R.T. -0.00 min
Lab File: VL035472.D
Acq: 20 Aug 2020 12:31

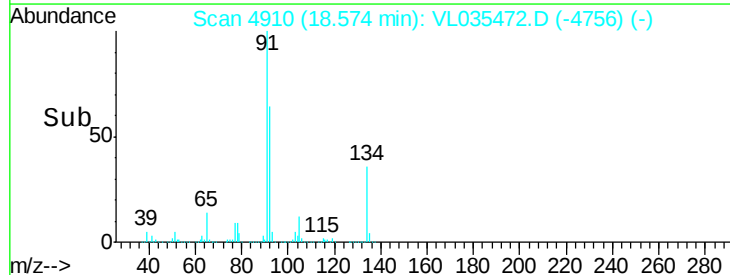
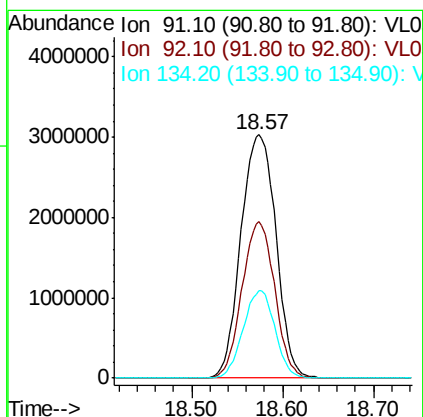
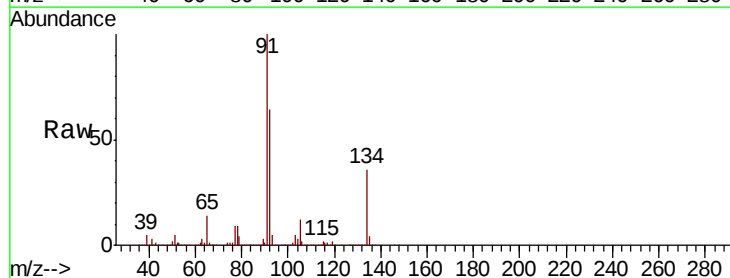
Instrument :
MSVOA_L
ClientSampleId :
VL0820ABS01

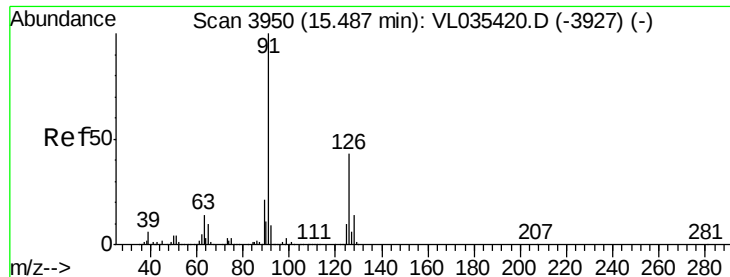
Tot Ion:119 Resp: 8402455
Ion Ratio Lower Upper
119 100
134 32.3 20.6 30.8#
91 28.5 26.6 39.8



#70
n-Butylbenzene
Concen: 7.388 ppbv
RT: 18.57 min Scan# 4910
Delta R.T. -0.01 min
Lab File: VL035472.D
Acq: 20 Aug 2020 12:31

Tgt Ion: 91 Resp: 8103322
Ion Ratio Lower Upper
91 100
92 60.0 44.8 67.2
134 32.7 17.3 25.9#

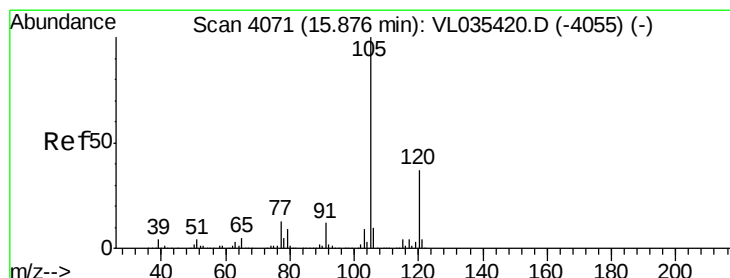
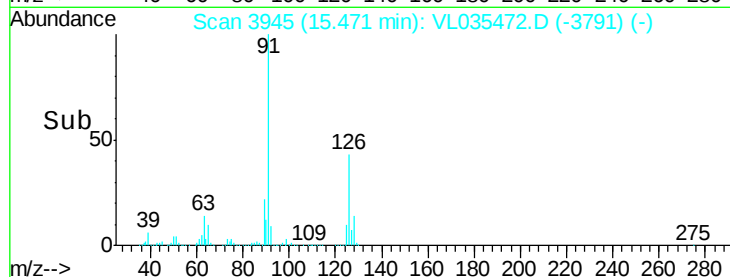
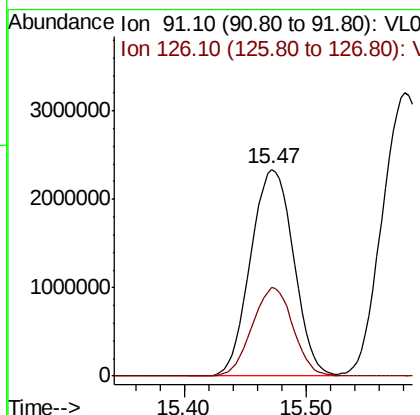
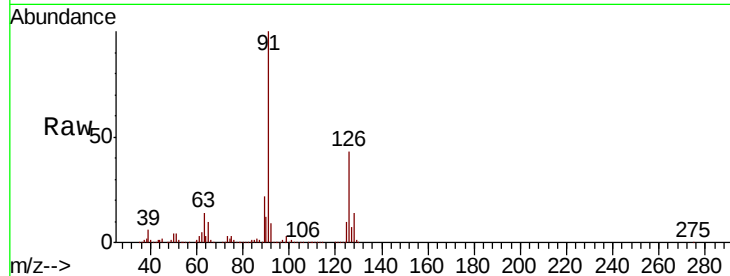




#71
 2-Chlorotoluene
 Concen: 7.731 ppbv
 RT: 15.47 min Scan# 3945
 Delta R.T. -0.01 min
 Lab File: VL035472.D
 Acq: 20 Aug 2020 12:31

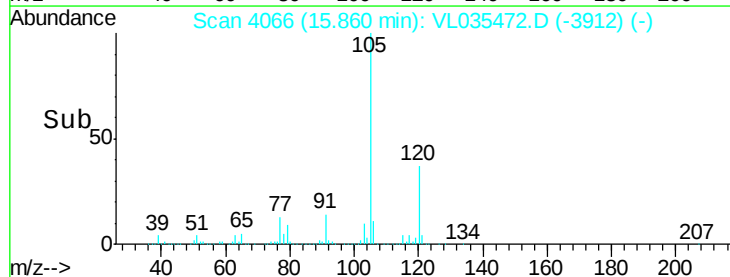
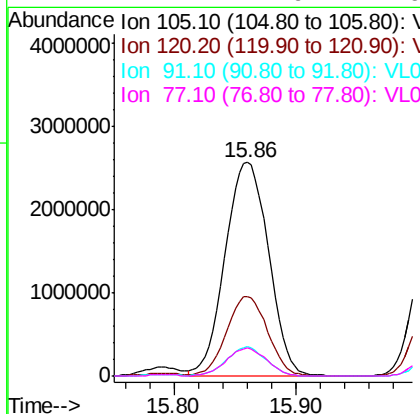
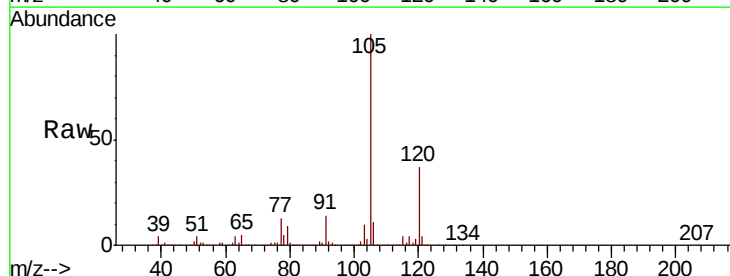
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0820ABS01

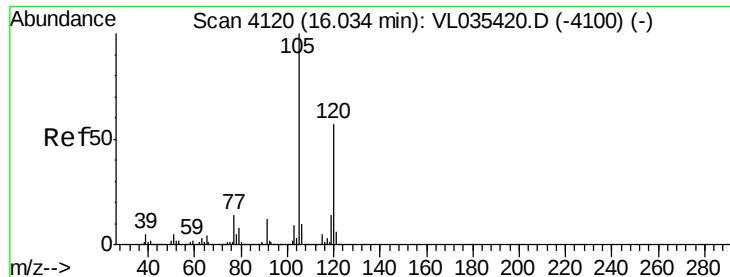
Tot Ion: 91 Resp: 5739792
 Ion Ratio Lower Upper
 91 100
 126 40.6 11.4 45.6



#72
 4-Ethyltoluene
 Concen: 7.720 ppbv
 RT: 15.86 min Scan# 4066
 Delta R.T. -0.01 min
 Lab File: VL035472.D
 Acq: 20 Aug 2020 12:31

Tgt Ion: 105 Resp: 6325290
 Ion Ratio Lower Upper
 105 100
 120 35.4 22.7 34.1#
 91 12.3 10.8 16.2
 77 12.2 11.9 17.9





#73

1,3,5-Trimethylbenzene

Concen: 7.775 ppbv

RT: 16.02 min Scan# 4115

Delta R.T. -0.01 min

Lab File: VL035472.D

Acq: 20 Aug 2020 12:31

Instrument :

MSVOA_L

ClientSampleId :

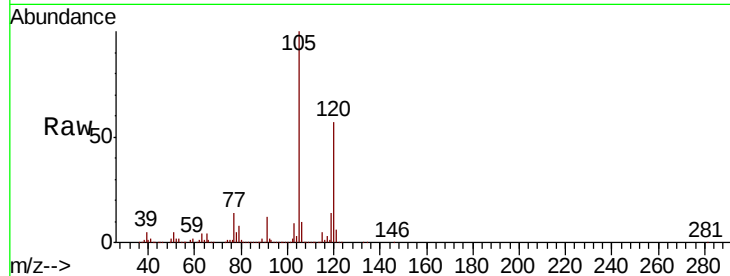
VL0820ABS01

Tot Ion:105 Resp: 5927209

Ion Ratio Lower Upper

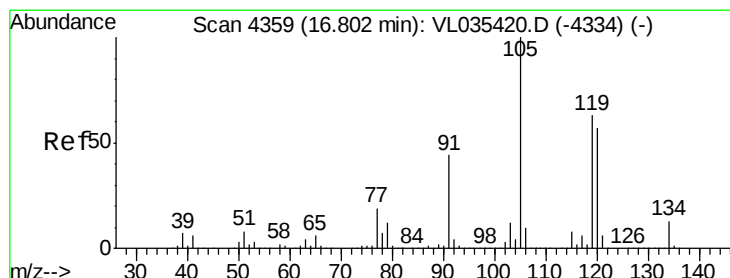
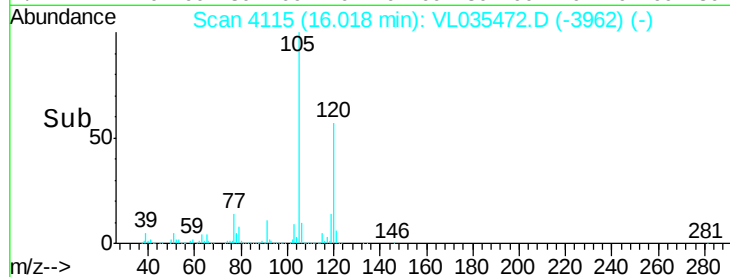
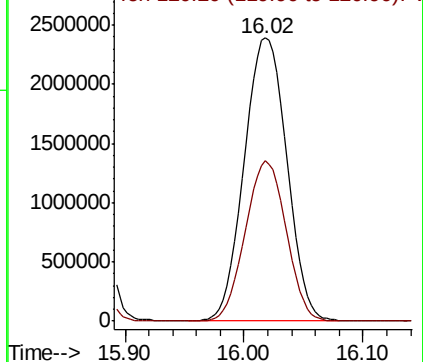
105 100

120 56.8 35.6 53.4#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 7.438 ppbv

RT: 16.79 min Scan# 4354

Delta R.T. -0.01 min

Lab File: VL035472.D

Acq: 20 Aug 2020 12:31

Tgt Ion:105 Resp: 6161298

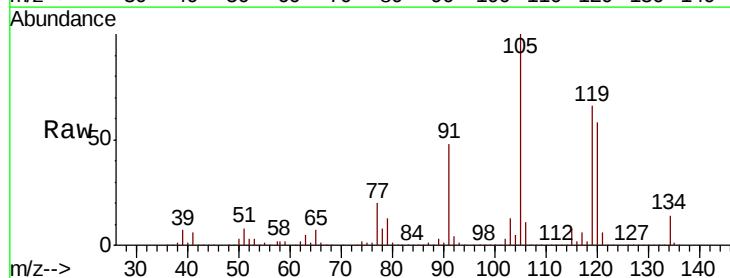
Ion Ratio Lower Upper

105 100

120 57.6 37.8 56.8#

91 47.7 40.0 60.0

77 20.2 18.8 28.2

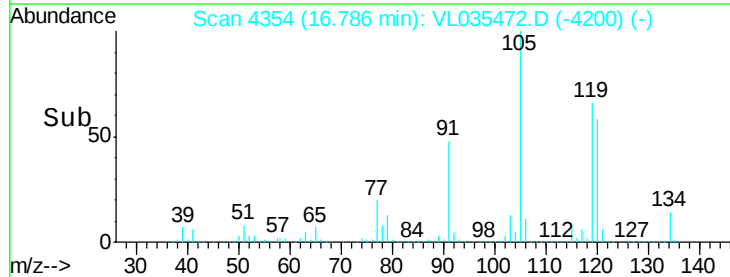
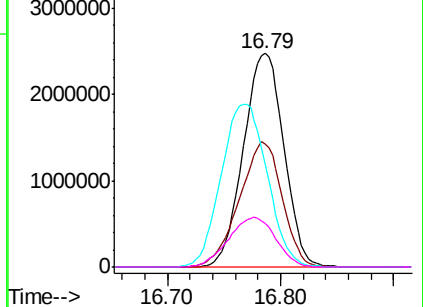


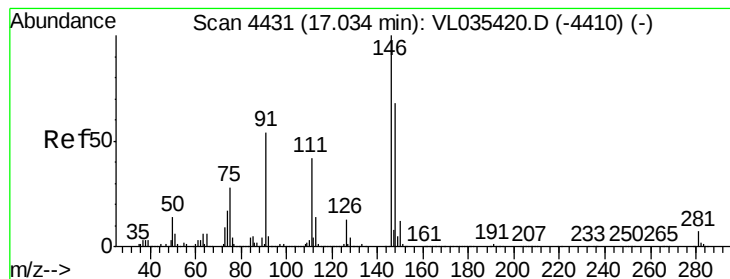
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#75

1,3-Dichlorobenzene

Concen: 7.357 ppbv

RT: 17.02 min Scan# 4427

Delta R.T. -0.00 min

Lab File: VL035472.D

Acq: 20 Aug 2020 12:31

Instrument :

MSVOA_L

ClientSampleId :

VL0820ABS01

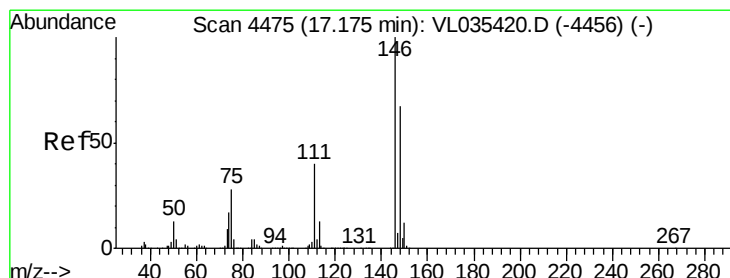
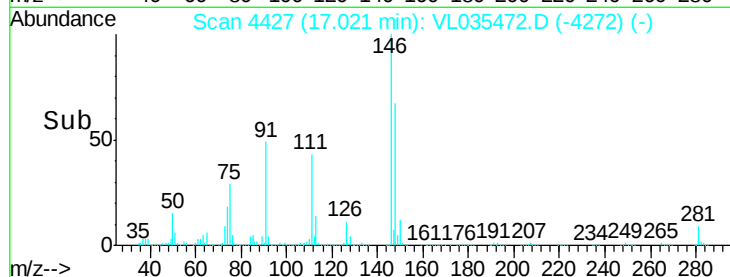
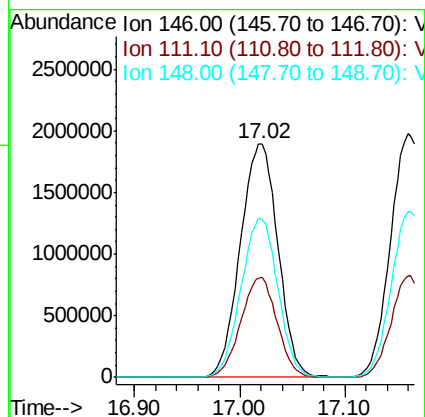
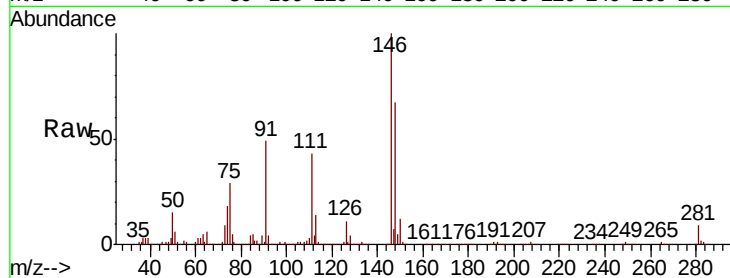
Tot Ion:146 Resp: 4706972

Ion Ratio Lower Upper

146 100

111 41.1 25.6 76.8

148 66.8 32.3 96.9



#76

1,4-Dichlorobenzene

Concen: 7.606 ppbv

RT: 17.16 min Scan# 4470

Delta R.T. -0.01 min

Lab File: VL035472.D

Acq: 20 Aug 2020 12:31

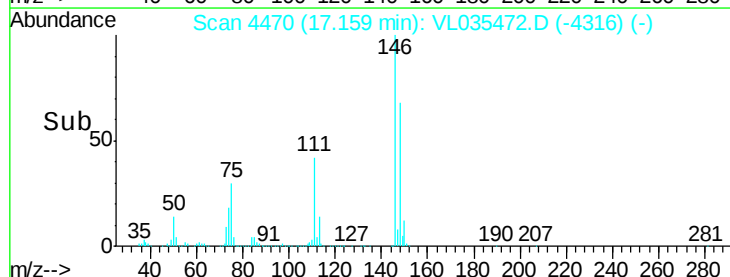
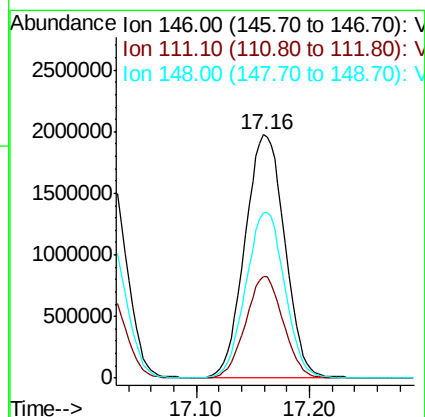
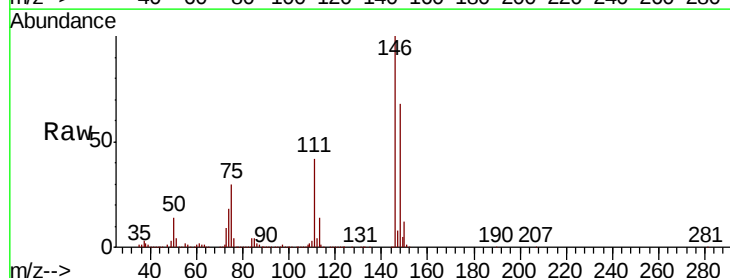
Tgt Ion:146 Resp: 4795643

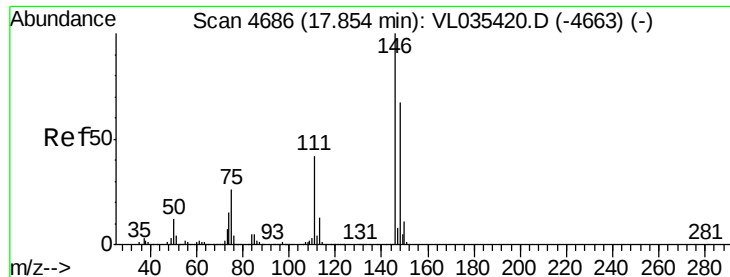
Ion Ratio Lower Upper

146 100

111 39.8 24.8 74.4

148 67.1 32.1 96.3

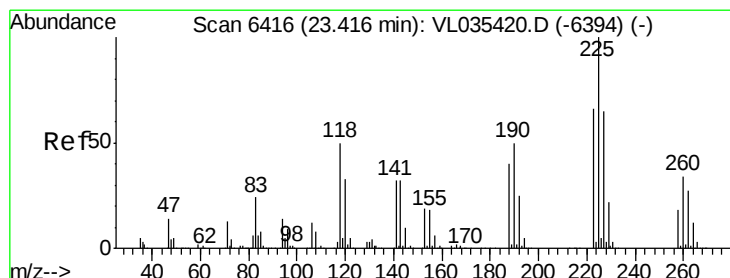
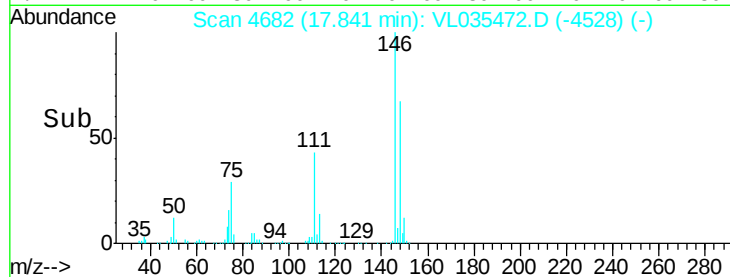
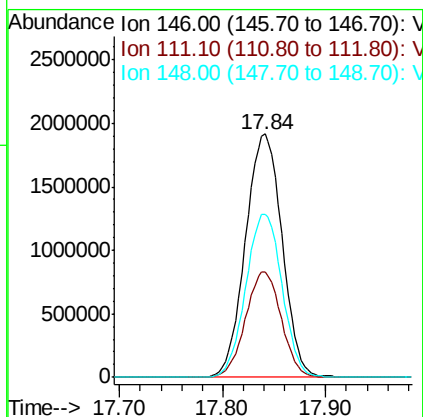
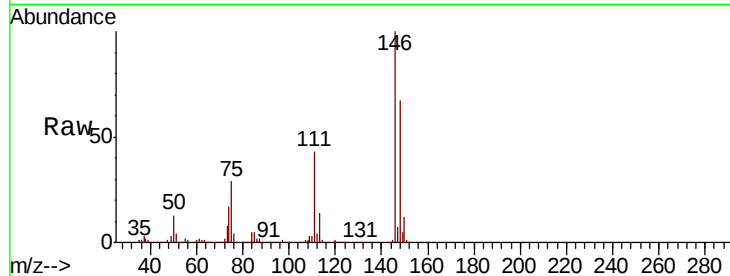




#77
 1,2-Dichlorobenzene
 Concen: 7.536 ppbv
 RT: 17.84 min Scan# 4682
 Delta R.T. -0.01 min
 Lab File: VL035472.D
 Acq: 20 Aug 2020 12:31

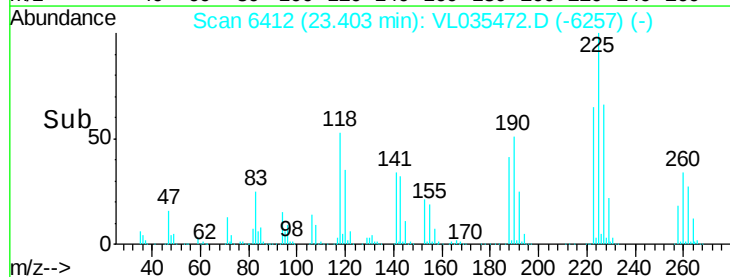
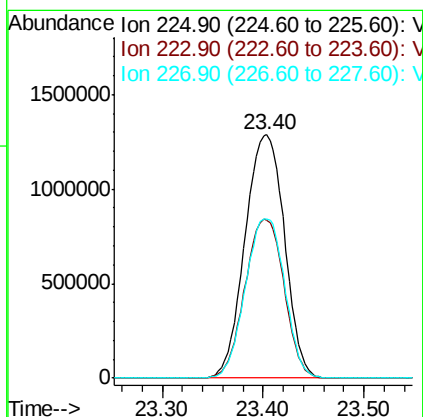
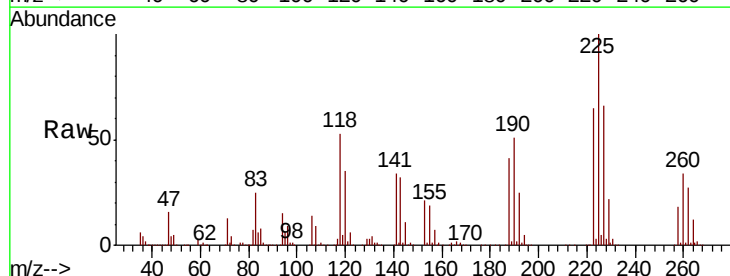
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0820ABS01

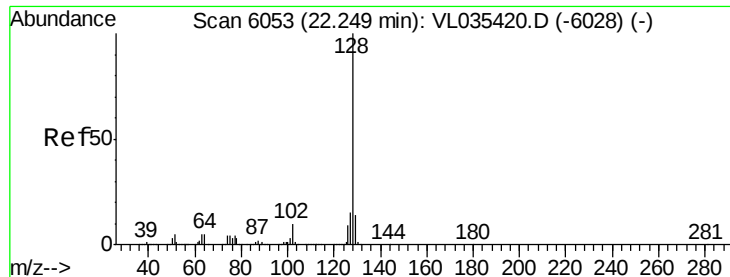
Tot Ion:146 Resp: 4722744
 Ion Ratio Lower Upper
 146 100
 111 42.2 26.3 78.9
 148 66.6 32.0 96.0



#78
 Hexachloro-1,3-Butadiene
 Concen: 7.057 ppbv
 RT: 23.40 min Scan# 6412
 Delta R.T. -0.00 min
 Lab File: VL035472.D
 Acq: 20 Aug 2020 12:31

Tgt Ion:225 Resp: 3496554
 Ion Ratio Lower Upper
 225 100
 223 64.8 50.3 75.5
 227 65.3 51.0 76.6

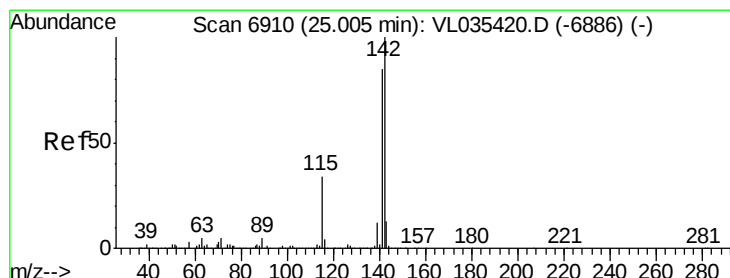
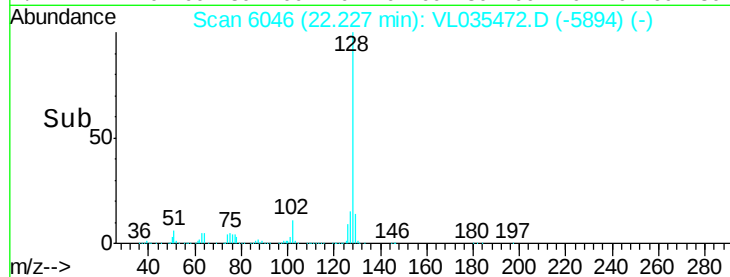
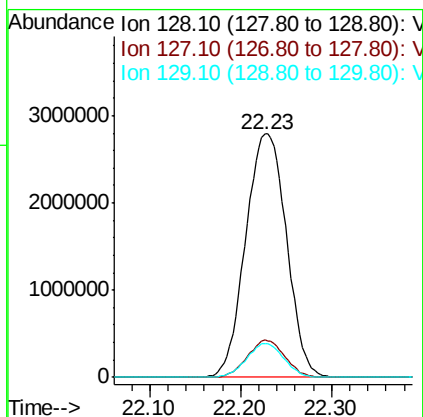
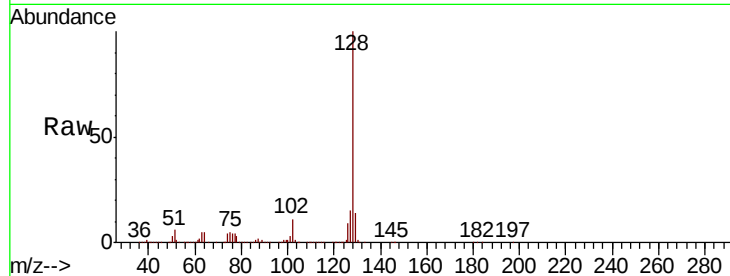




#79
Naphthalene
Concen: 7.445 ppbv
RT: 22.23 min Scan# 6046
Delta R.T. -0.01 min
Lab File: VL035472.D
Acq: 20 Aug 2020 12:31

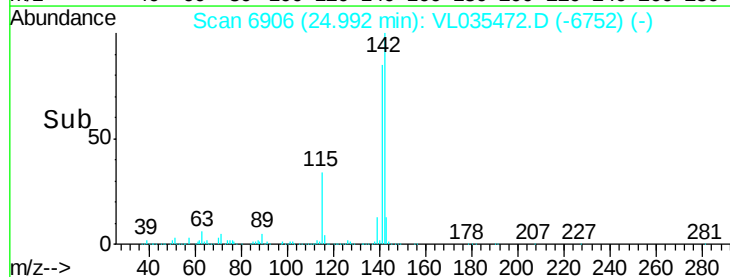
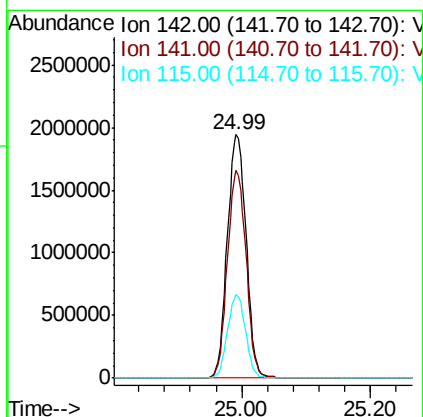
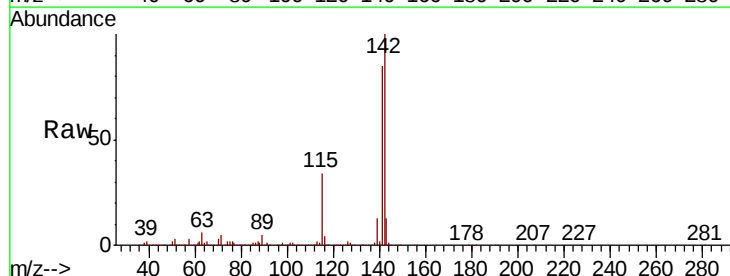
Instrument :
MSVOA_L
ClientSampleId :
VL0820ABS01

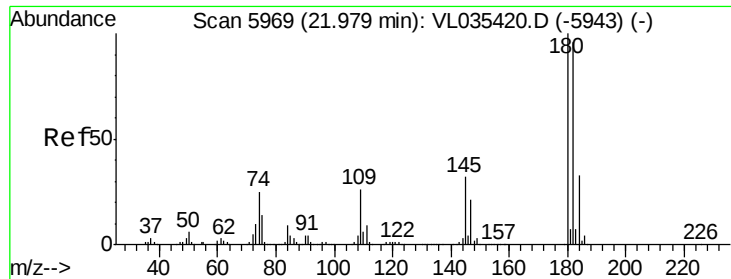
Tot Ion:128 Resp: 8684661
Ion Ratio Lower Upper
128 100
127 15.3 11.4 17.0
129 14.1 9.5 14.3



#80
Naphthalene, 2-methyl-
Concen: 8.187 ppbv
RT: 24.99 min Scan# 6906
Delta R.T. -0.01 min
Lab File: VL035472.D
Acq: 20 Aug 2020 12:31

Tgt Ion:142 Resp: 3946574
Ion Ratio Lower Upper
142 100
141 84.7 67.1 100.7
115 33.0 36.1 54.1#





#81
 1,2,4-Trichlorobenzene
 Concen: 7.491 ppbv
 RT: 21.96 min Scan# 5962
 Delta R.T. -0.01 min
 Lab File: VL035472.D
 Acq: 20 Aug 2020 12:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0820ABS01

Tot Ion:180	Resp: 5267788
Ion Ratio	Lower Upper
180 100	
182 95.9	76.6 115.0
184 32.3	24.8 37.2

