

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081820\
 Data File : VL035444.D
 Acq On : 18 Aug 2020 15:01
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Aug 19 02:40:59 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	5.68	49	1102447	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	4992774	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	6499696	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.45	95	3678891	8.08	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	80.80%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	1744526	8.538	ppbv 99
3) Chlorodifluoromethane	2.99	51	1255067	9.080	ppbv # 92
4) Chloromethane	3.14	50	663689	9.216	ppbv 95
5) Vinyl Chloride	3.26	62	792679	9.210	ppbv 96
6) Bromomethane	3.47	94	707046	9.394	ppbv 98
7) Chloroethane	3.56	64	291197	9.184	ppbv 99
8) Dichlorotetrafluoroethane	3.19	85	2295354	8.773	ppbv # 58
9) Propene	3.01	41	500541	9.009	ppbv 99
10) Heptane	8.15	43	1352470	9.284	ppbv # 80
11) Trichlorofluoromethane	3.95	101	2883649	8.994	ppbv 96
12) 1,1,2-Trichlorotrifluoroet	4.49	101	2144369	8.975	ppbv # 79
13) Ethanol	3.61	45	131648	6.467	ppbv 100
14) Bromoethene	3.74	108	981878	9.300	ppbv # 94
15) Acetone	3.85	43	1031416	8.128	ppbv # 83
16) 1,3-Butadiene	3.33	39	486415	9.453	ppbv # 67
17) tert-Butyl alcohol	4.30	59	1539077	9.384	ppbv 98
18) 1,1-Dichloroethene	4.29	96	974115	9.234	ppbv # 61
19) Isopropyl Alcohol	3.98	45	794316	9.082	ppbv # 98
20) Methylene Chloride	4.35	84	806746	7.880	ppbv # 64
21) Allyl Chloride	4.42	41	620985	9.631	ppbv # 81
22) trans-1,2-Dichloroethene	4.90	96	1042187	9.257	ppbv # 62
23) Vinyl Acetate	5.09	43	1726053	9.515	ppbv # 93
24) 1,1-Dichloroethane	5.02	63	1647974	9.103	ppbv # 94
25) Ethyl Acetate	5.69	43	2191794	8.877	ppbv # 93
26) Hexane	5.70	57	1246690	8.947	ppbv # 75
27) Carbon Disulfide	4.56	76	2021621	10.037	ppbv # 85
28) Methyl tert-Butyl Ether	5.04	73	2318973	9.110	ppbv 92
29) Chloroform	5.77	83	2565672	9.164	ppbv 97
30) Cyclohexane	7.15	84	1467293	9.491	ppbv # 61
31) cis-1,2-Dichloroethene	5.56	61	1377431	9.399	ppbv # 65
32) 1,1,1-Trichloroethane	6.53	97	2648826	10.095	ppbv # 90
34) 2-Butanone	5.26	43	1538744	9.224	ppbv # 74
35) Carbon Tetrachloride	7.04	117	2845402	10.715	ppbv 97
36) Benzene	6.91	78	3335492	9.102	ppbv # 94
37) 1,2-Dichloroethane	6.33	62	1585673	9.469	ppbv # 90
38) Trichloroethene	7.86	130	1872615	9.187	ppbv # 82
39) 1,2-Dichloropropane	7.64	63	1124363	9.310	ppbv # 85
40) 1,4-Dioxane	7.85	88	576335	8.761	ppbv # 1
41) Tetrahydrofuran	6.06	42	891905	9.693	ppbv # 62
42) Bromodichloromethane	7.82	83	2759438	9.847	ppbv # 98
43) Methyl Methacrylate	8.04	69	1388816	9.692	ppbv # 59

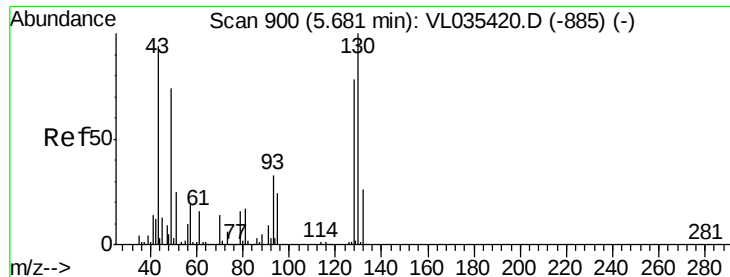
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081820\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	4239940	8.860	ppbv	# 93
45) t-1,3-Dichloropropene	9.30	75	1618181	10.963	ppbv	97
46) cis-1,3-Dichloropropene	8.73	75	1911162	10.393	ppbv	# 75
47) 1,1,2-Trichloroethane	9.50	97	1671177	9.264	ppbv	92
48) Dibromochloromethane	10.33	129	3086496	10.200	ppbv	99
49) Bromoform	13.08	173	3103435	10.646	ppbv	99
50) 4-Methyl-2-Pentanone	8.76	43	2256761	9.431	ppbv	# 81
51) 2-Hexanone	10.16	43	1951269	9.674	ppbv	# 79
52) Tetrachloroethene	11.26	164	2025798	9.063	ppbv	# 84
53) Toluene	9.83	91	4322301	9.158	ppbv	98
54) 1,2-Dibromoethane	10.64	107	2724422	9.299	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.16	131	2386159	7.739	ppbv	98
57) Chlorobenzene	12.18	112	3795207	6.995	ppbv	# 81
58) Ethyl Benzene	12.74	91	5643605	7.193	ppbv	# 84
59) m/p-Xylene	13.03	91	4749088	7.160	ppbv	# 2
60) o-Xylene	13.73	91	4636504	7.193	ppbv	86
61) Styrene	13.56	104	3946077	7.576	ppbv	# 90
62) Isopropylbenzene	14.71	105	7237179	6.850	ppbv	# 86
63) 1,1,2,2-Tetrachloroethane	13.71	83	3235096	6.986	ppbv	97
64) n-propylbenzene	15.60	120	2422158	7.438	ppbv	# 45
65) tert-Butylbenzene	16.78	119	7060764	6.877	ppbv	# 82
66) Benzyl Chloride	17.03	91	2496005	10.107	ppbv	# 88
67) sec-Butylbenzene	17.34	105	8960329	6.631	ppbv	# 83
69) p-Isopropyltoluene	17.70	119	8115665	6.769	ppbv	# 89
70) n-Butylbenzene	18.59	91	7688084	6.789	ppbv	# 90
71) 2-Chlorotoluene	15.49	91	5503271	7.179	ppbv	77
72) 4-Ethyltoluene	15.88	105	6100635	7.211	ppbv	# 91
73) 1,3,5-Trimethylbenzene	16.04	105	5656033	7.185	ppbv	# 82
74) 1,2,4-Trimethylbenzene	16.81	105	5862127	6.854	ppbv	90
75) 1,3-Dichlorobenzene	17.04	146	4551484	6.890	ppbv	92
76) 1,4-Dichlorobenzene	17.18	146	4609145	7.080	ppbv	91
77) 1,2-Dichlorobenzene	17.86	146	4518496	6.983	ppbv	91
78) Hexachloro-1,3-Butadiene	23.42	225	3455733	6.755	ppbv	97
79) Naphthalene	22.25	128	8481092	7.042	ppbv	97
80) Naphthalene, 2-methyl-	25.01	142	4276517	8.592	ppbv	# 93
81) 1,2,4-Trichlorobenzene	21.98	180	5114207	7.044	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 901

Delta R.T. 0.01 min

Lab File: VL035444.D

Acq: 18 Aug 2020 15:01

Instrument :

MSVOA_L

ClientSampleId :

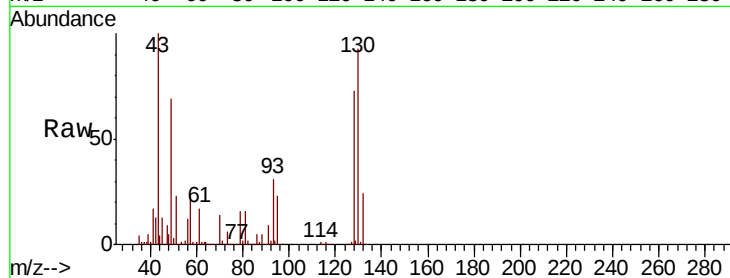
Tot Ion: 49 Resp: 1102447

Ion Ratio Lower Upper

49 100

128 103.6 20.9 62.7#

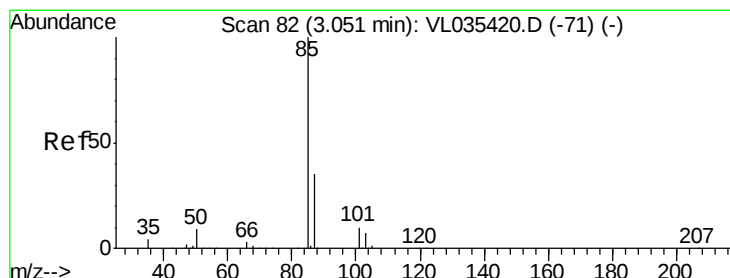
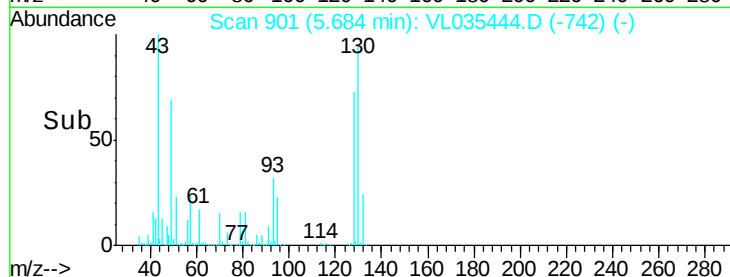
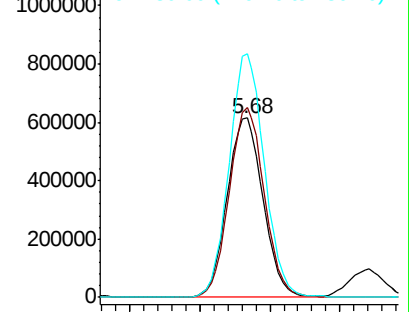
130 133.3 26.7 80.1#



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: 8.538 ppbv

RT: 3.05 min Scan# 82

Delta R.T. 0.01 min

Lab File: VL035444.D

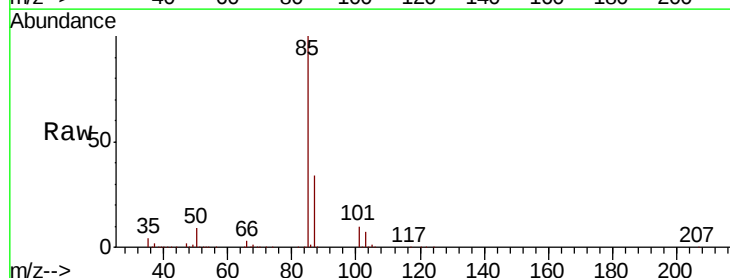
Acq: 18 Aug 2020 15:01

Tgt Ion: 85 Resp: 1744526

Ion Ratio Lower Upper

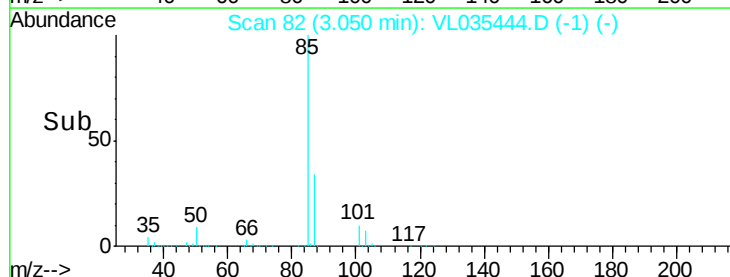
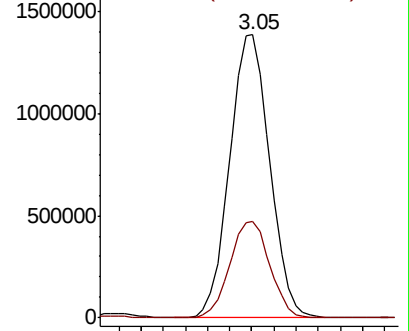
85 100

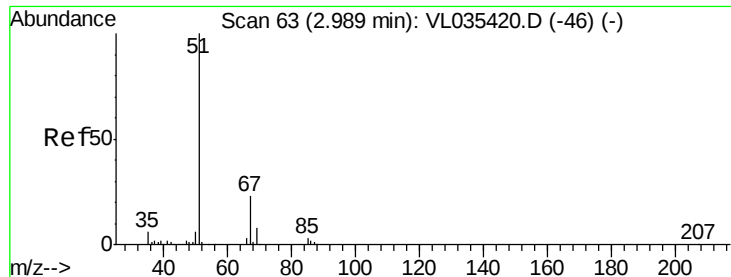
87 34.2 27.1 40.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

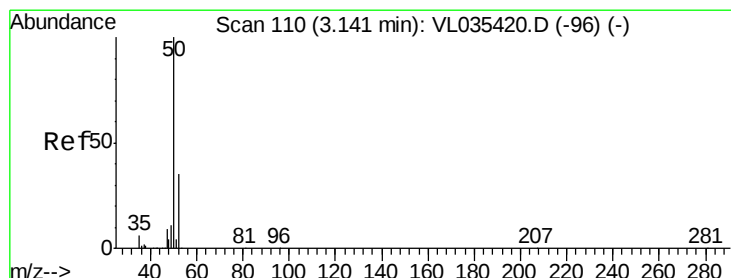
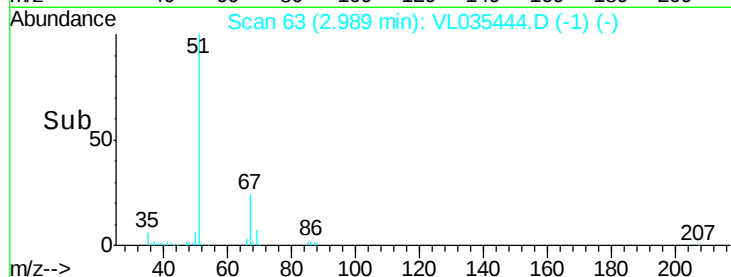
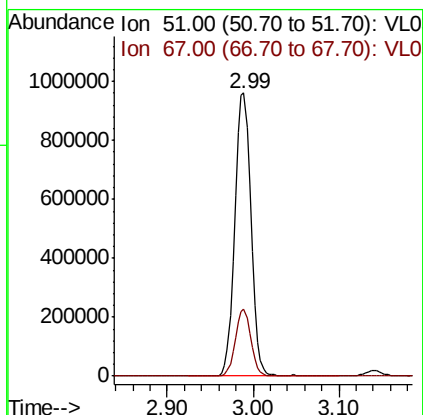
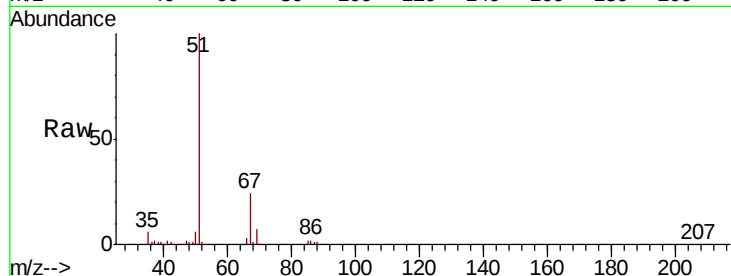




#3
Chlorodifluoromethane
Concen: 9.080 ppbv
RT: 2.99 min Scan# 63
Delta R.T. 0.01 min
Lab File: VL035444.D
Acq: 18 Aug 2020 15:01

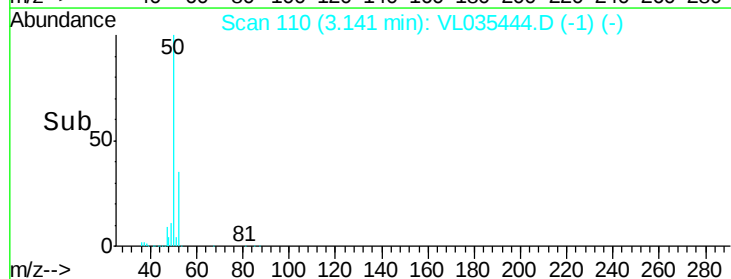
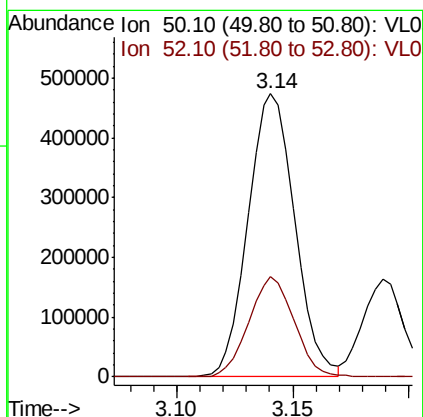
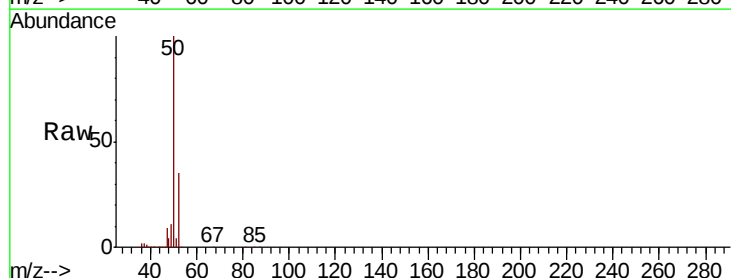
Instrument :
MSVOA_L
ClientSampleId :

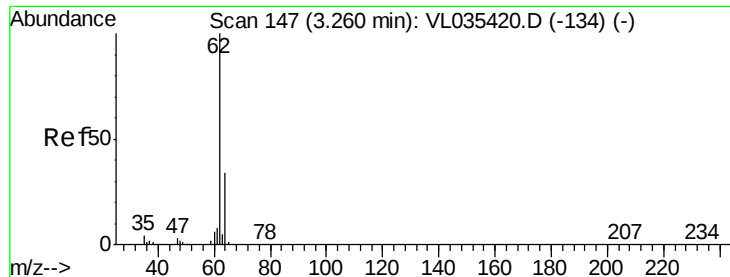
Tot Ion: 51 Resp: 1255067
Ion Ratio Lower Upper
51 100
67 22.6 15.0 22.6#



#4
Chloromethane
Concen: 9.216 ppbv
RT: 3.14 min Scan# 110
Delta R.T. 0.01 min
Lab File: VL035444.D
Acq: 18 Aug 2020 15:01

Tgt Ion: 50 Resp: 663689
Ion Ratio Lower Upper
50 100
52 35.3 25.9 38.9





#5

Vinyl Chloride

Concen: 9.210 ppbv

RT: 3.26 min Scan# 147

Delta R.T. 0.01 min

Lab File: VL035444.D

Acq: 18 Aug 2020 15:01

Instrument :

MSVOA_L

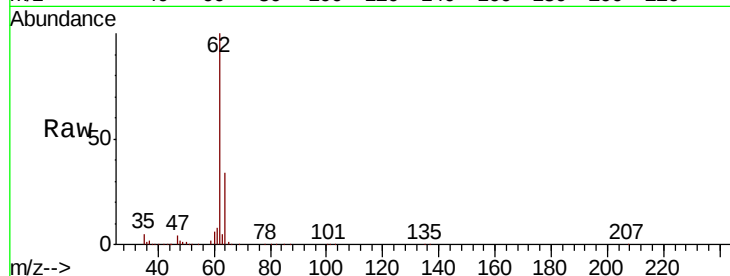
ClientSampleId :

Tot Ion: 62 Resp: 792679

Ion Ratio Lower Upper

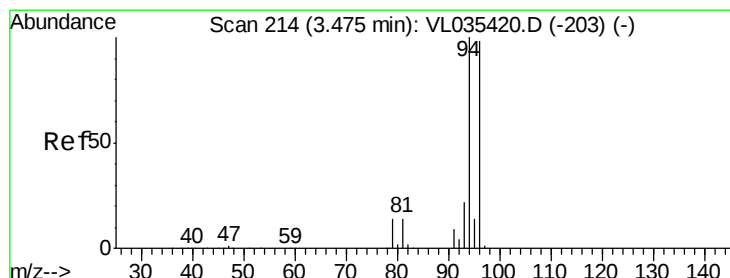
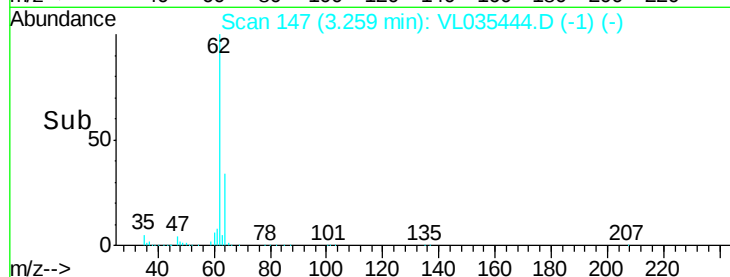
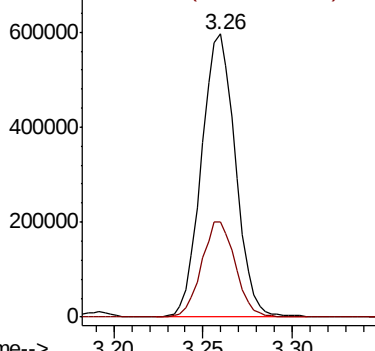
62 100

64 33.7 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: 9.394 ppbv

RT: 3.47 min Scan# 214

Delta R.T. 0.01 min

Lab File: VL035444.D

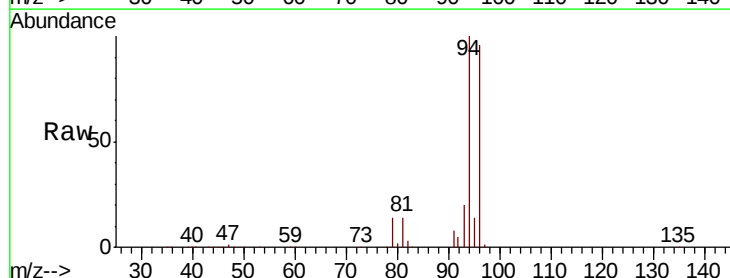
Acq: 18 Aug 2020 15:01

Tgt Ion: 94 Resp: 707046

Ion Ratio Lower Upper

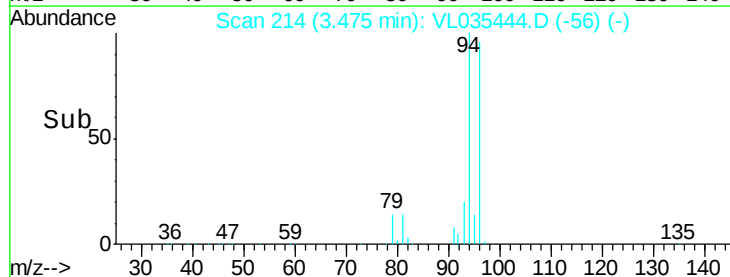
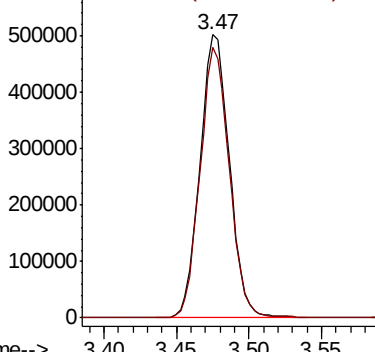
94 100

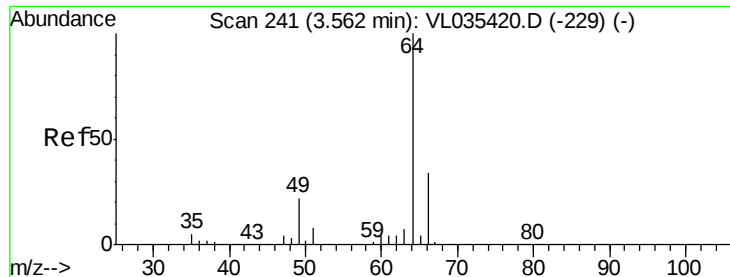
96 95.5 75.0 112.6



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.184 ppbv

RT: 3.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VL035444.D

Acq: 18 Aug 2020 15:01

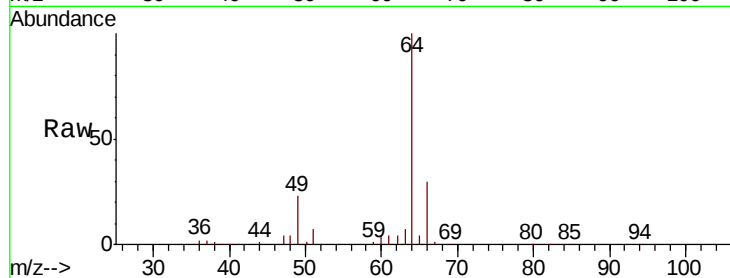
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 64 Resp: 291197

Ion Ratio Lower Upper

64 100

66 30.1 24.5 36.7



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

250000

200000

150000

100000

50000

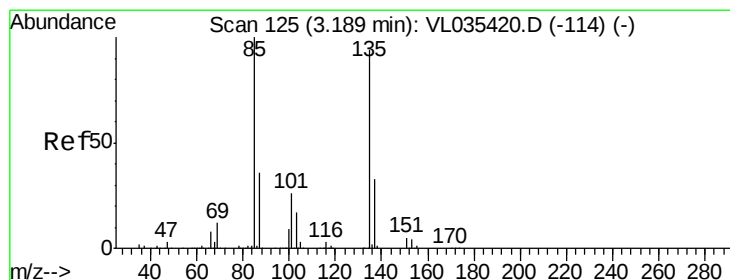
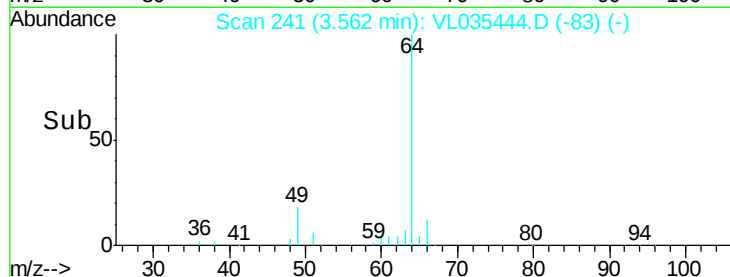
0

3.50

3.55

3.60

Time-->



#8

Dichlorotetrafluoroethane

Concen: 8.773 ppbv

RT: 3.19 min Scan# 125

Delta R.T. 0.01 min

Lab File: VL035444.D

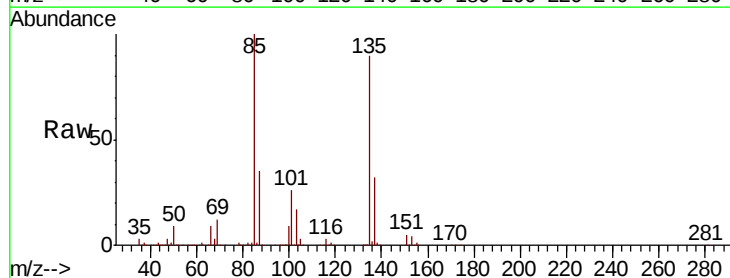
Acq: 18 Aug 2020 15:01

Tgt Ion: 85 Resp: 2295354

Ion Ratio Lower Upper

85 100

135 92.7 48.6 72.8#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

2000000

1500000

1000000

500000

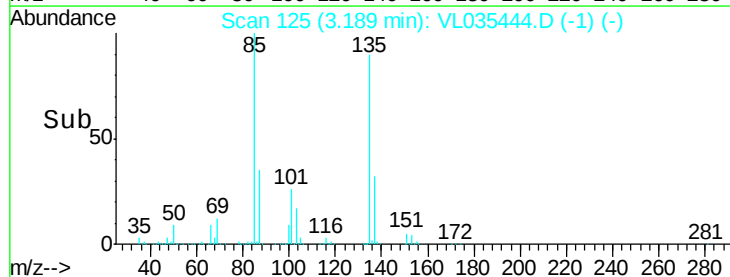
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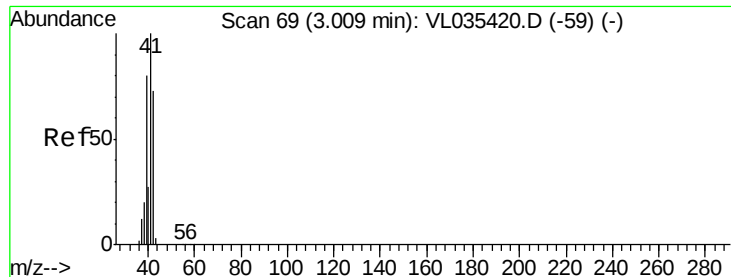
3.15

3.20

3.25

Time-->





#9

Propene

Concen: 9.009 ppbv

RT: 3.01 min Scan# 69

Delta R.T. 0.00 min

Lab File: VL035444.D

Acq: 18 Aug 2020 15:01

Instrument :

MSVOA_L

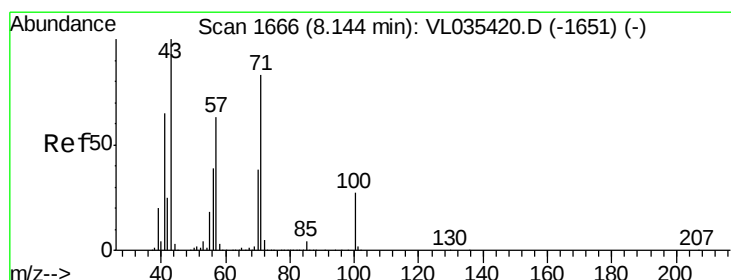
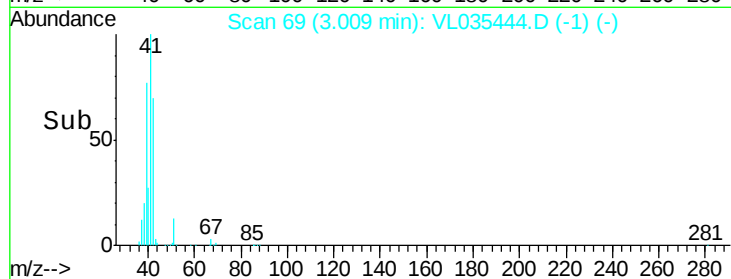
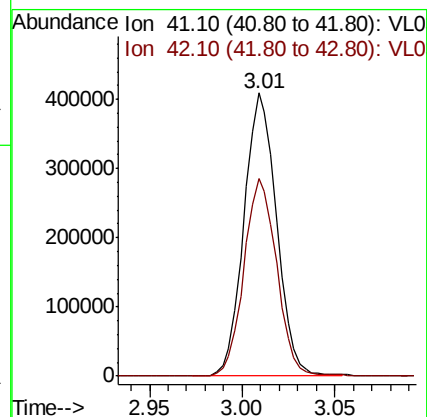
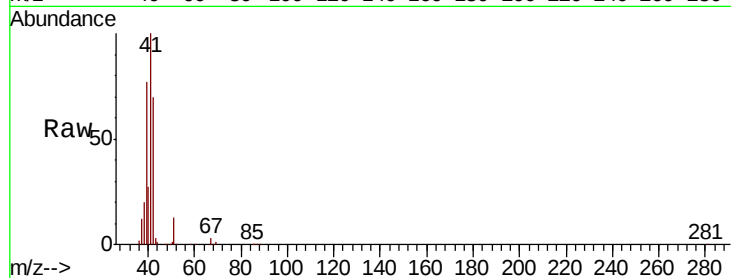
ClientSampleId :

Tot Ion: 41 Resp: 500541

Ion Ratio Lower Upper

41 100

42 70.6 55.5 83.3



#10

Heptane

Concen: 9.284 ppbv

RT: 8.15 min Scan# 1667

Delta R.T. 0.01 min

Lab File: VL035444.D

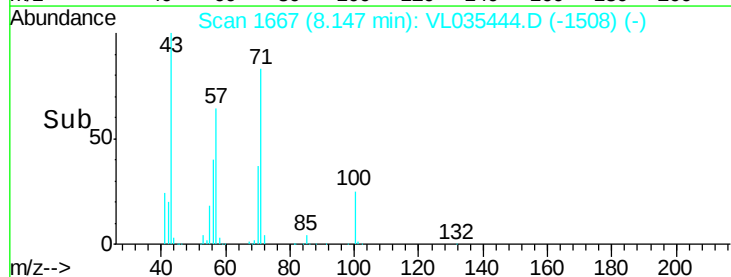
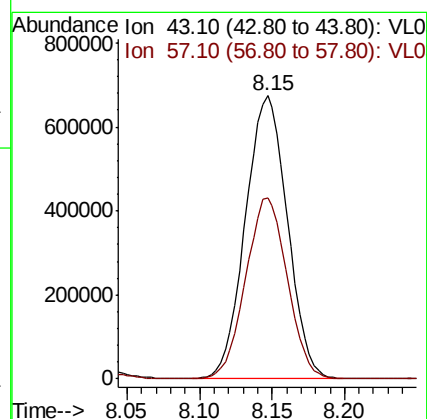
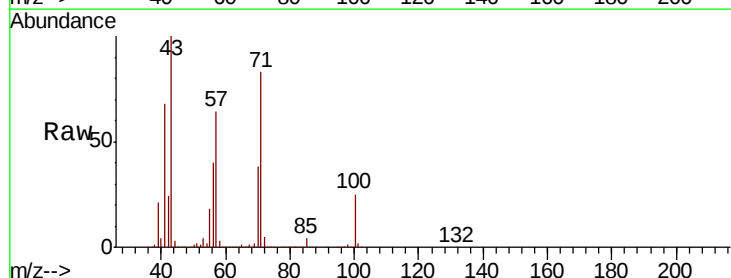
Acq: 18 Aug 2020 15:01

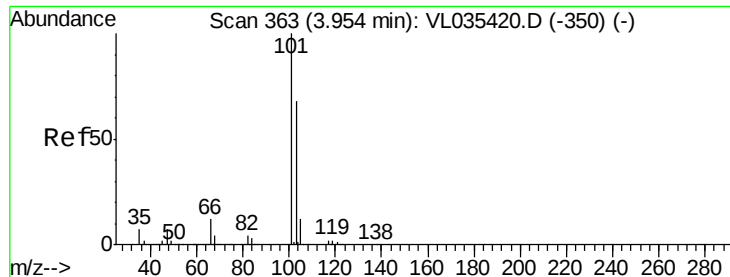
Tgt Ion: 43 Resp: 1352470

Ion Ratio Lower Upper

43 100

57 63.7 39.8 59.6#





#11

Trichlorofluoromethane

Concen: 8.994 ppbv

RT: 3.95 min Scan# 363

Delta R.T. 0.01 min

Lab File: VL035444.D

Acq: 18 Aug 2020 15:01

Instrument :

MSVOA_L

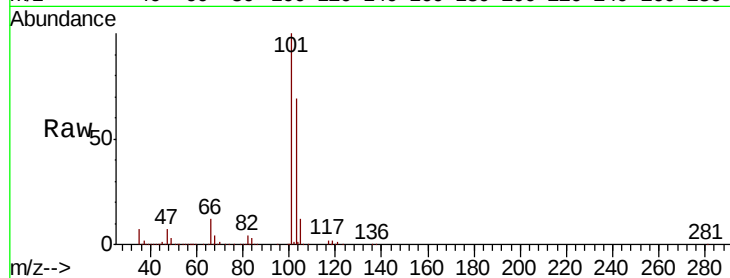
ClientSampleId :

Tot Ion:101 Resp: 2883649

Ion Ratio Lower Upper

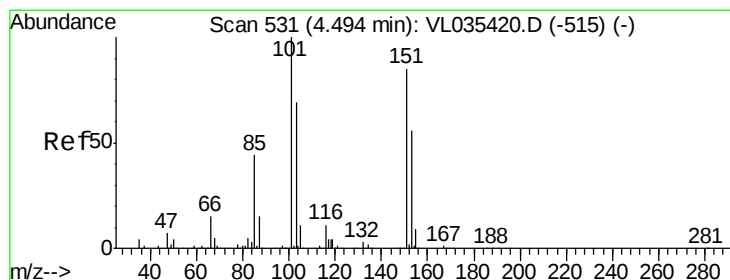
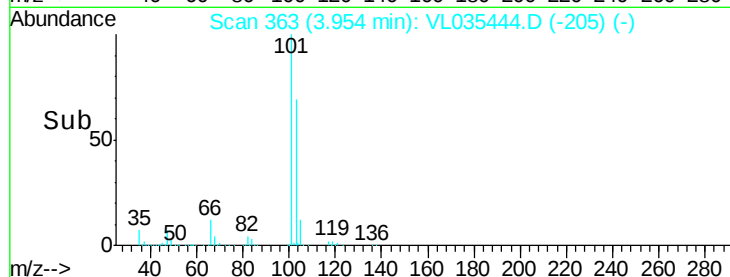
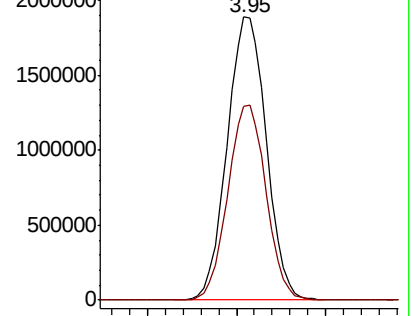
101 100

103 68.5 52.6 78.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 8.975 ppbv

RT: 4.49 min Scan# 531

Delta R.T. 0.01 min

Lab File: VL035444.D

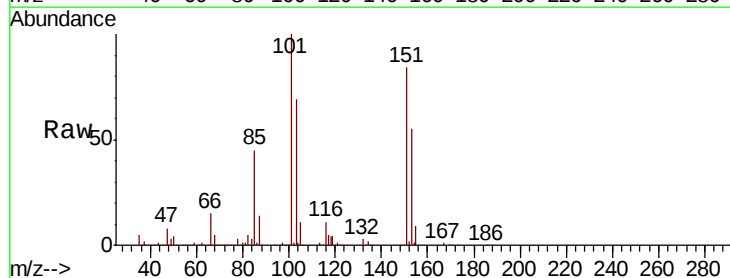
Acq: 18 Aug 2020 15:01

Tgt Ion:101 Resp: 2144369

Ion Ratio Lower Upper

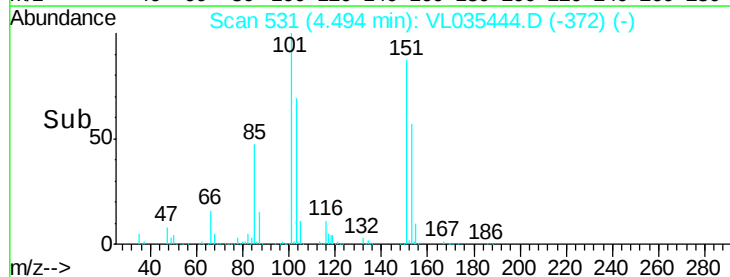
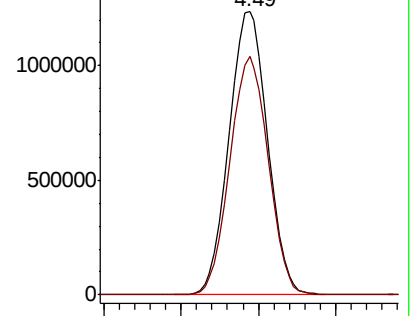
101 100

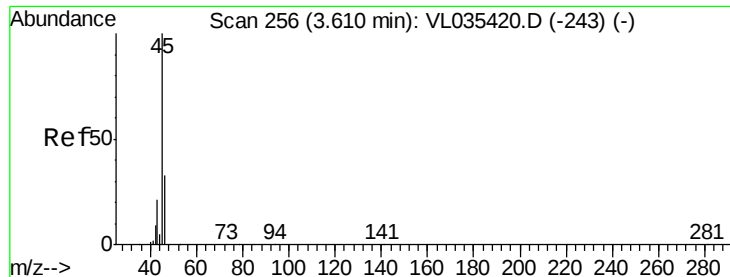
151 84.1 53.6 80.4#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

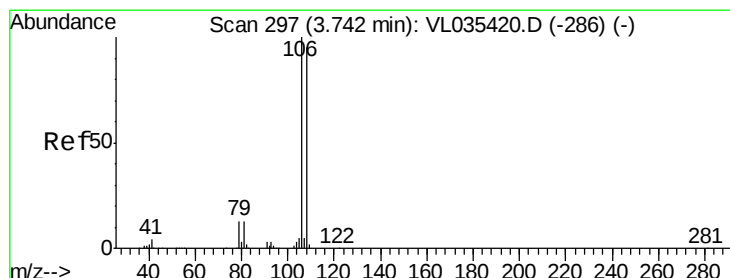
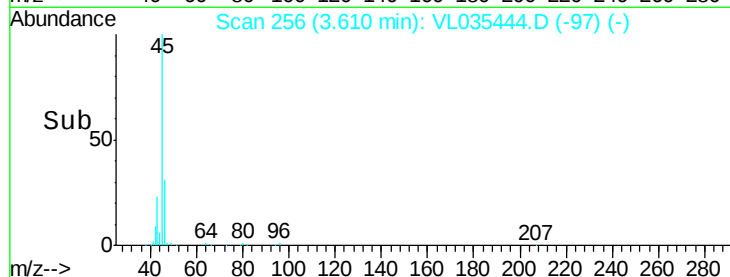
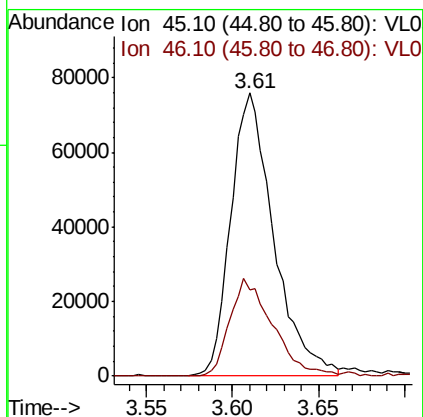
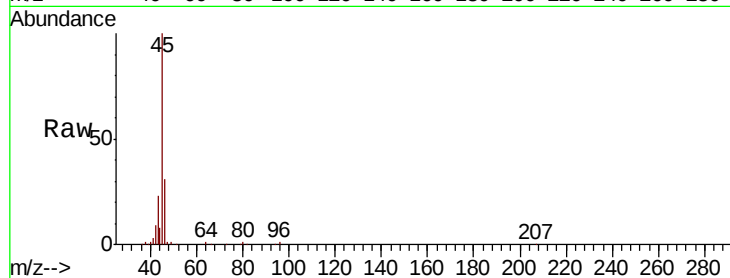




#13
Ethanol
Concen: 6.467 ppbv
RT: 3.61 min Scan# 256
Delta R.T. 0.01 min
Lab File: VL035444.D
Acq: 18 Aug 2020 15:01

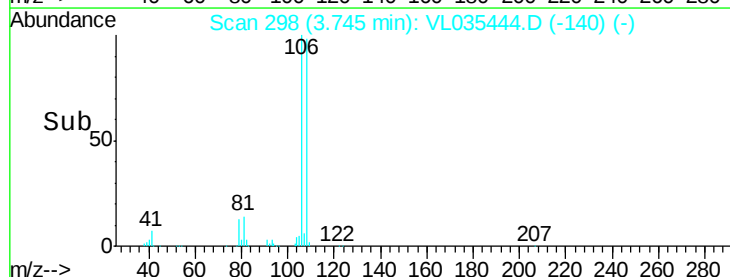
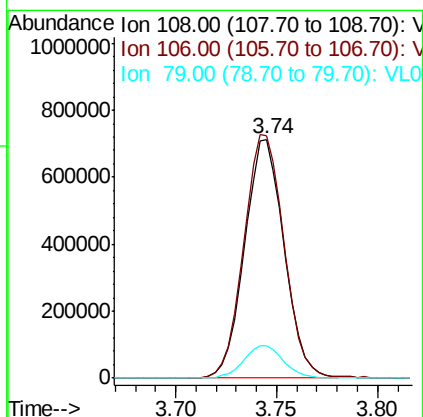
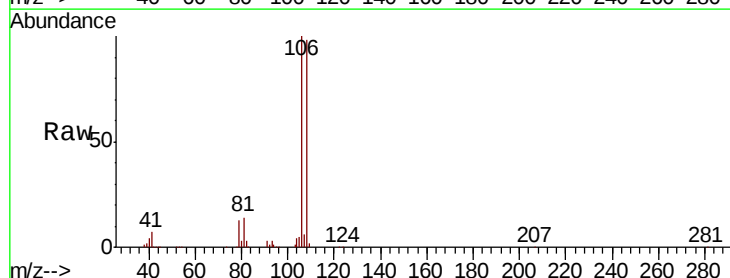
Instrument :
MSVOA_L
ClientSampleId :

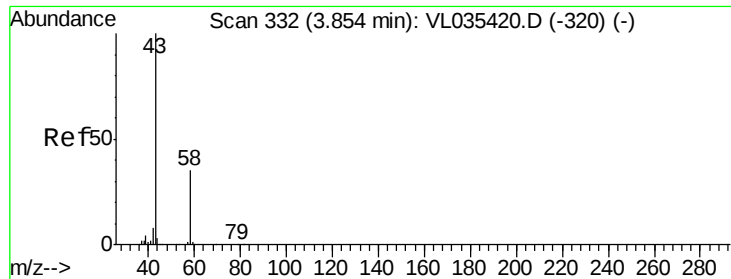
Tot Ion: 45 Resp: 131648
Ion Ratio Lower Upper
45 100
46 35.2 14.2 56.6



#14
Bromoethene
Concen: 9.300 ppbv
RT: 3.74 min Scan# 298
Delta R.T. 0.01 min
Lab File: VL035444.D
Acq: 18 Aug 2020 15:01

Tgt Ion: 108 Resp: 981878
Ion Ratio Lower Upper
108 100
106 104.6 86.7 130.1
79 13.8 16.8 25.2#





#15

Acetone

Concen: 8.128 ppbv

RT: 3.85 min Scan# 332

Delta R.T. 0.01 min

Lab File: VL035444.D

Acq: 18 Aug 2020 15:01

Instrument :

MSVOA_L

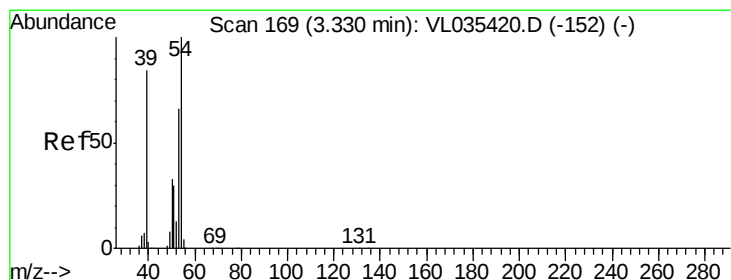
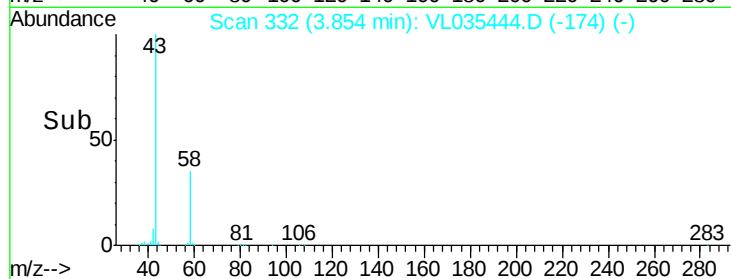
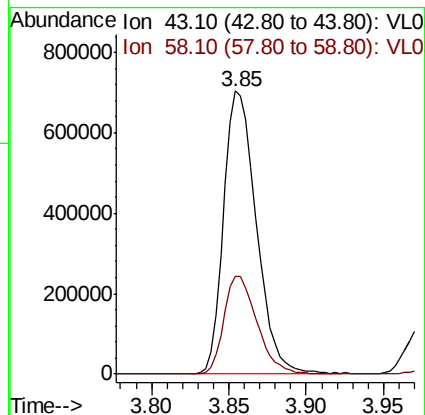
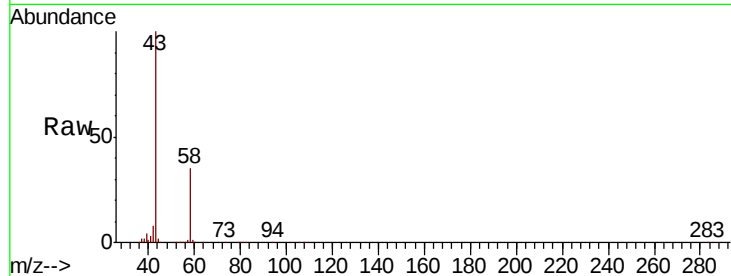
ClientSampleId :

Tot Ion: 43 Resp: 1031416

Ion Ratio Lower Upper

43 100

58 35.2 21.0 31.6#



#16

1,3-Butadiene

Concen: 9.453 ppbv

RT: 3.33 min Scan# 169

Delta R.T. 0.01 min

Lab File: VL035444.D

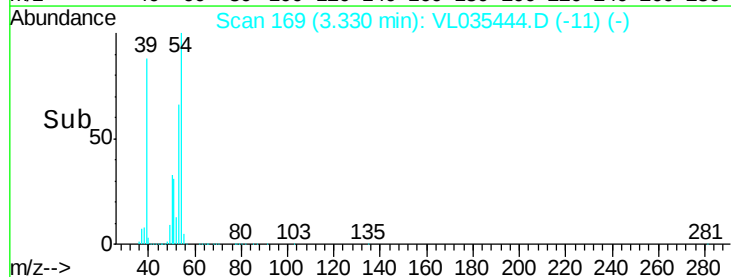
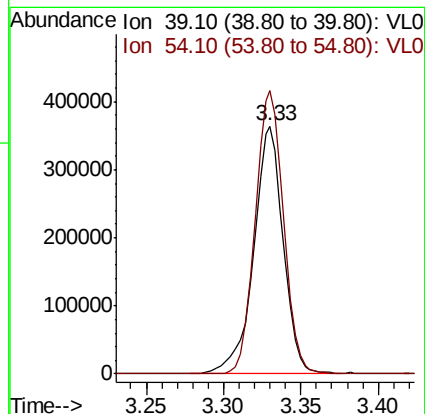
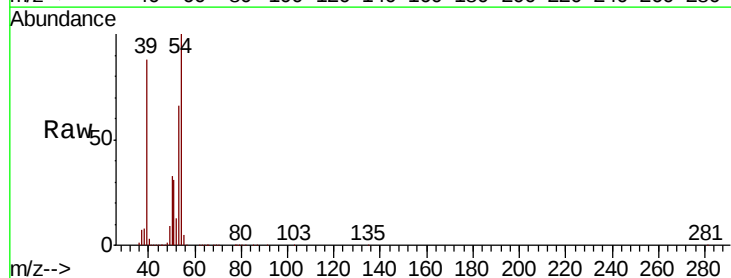
Acq: 18 Aug 2020 15:01

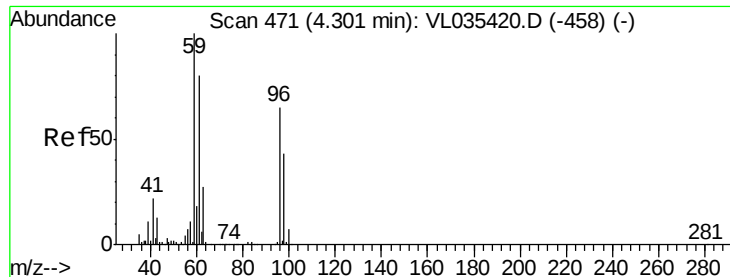
Tgt Ion: 39 Resp: 486415

Ion Ratio Lower Upper

39 100

54 109.8 64.4 96.6#



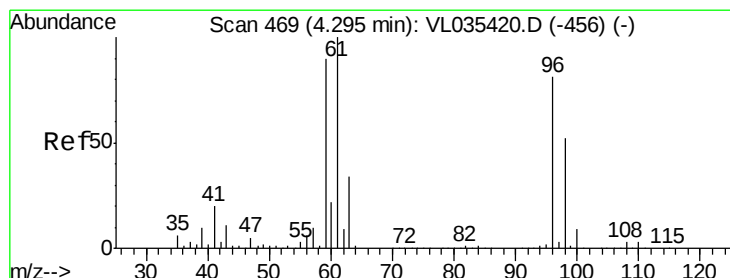
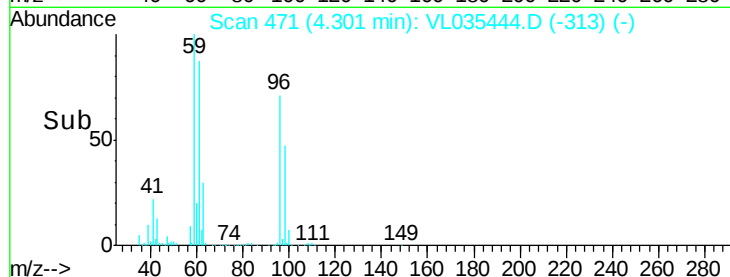
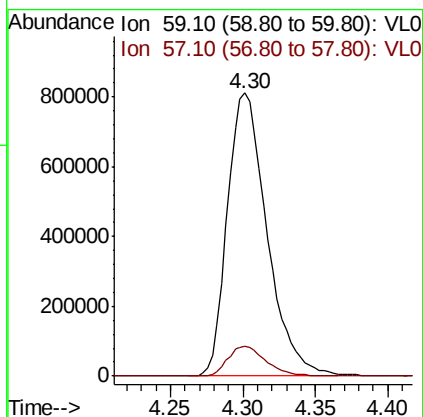
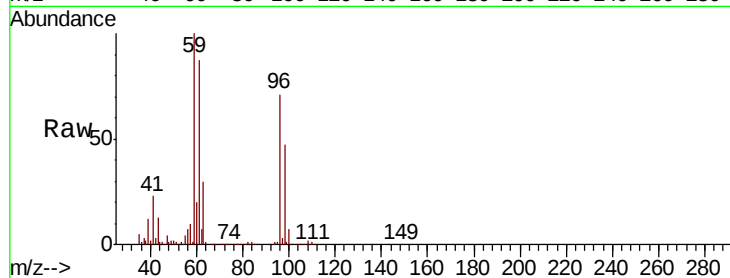


#17

tert-Butyl alcohol
 Concen: 9.384 ppbv
 RT: 4.30 min Scan# 471
 Delta R.T. 0.01 min
 Lab File: VL035444.D
 Acq: 18 Aug 2020 15:01

Instrument :
 MSVOA_L
 ClientSampleId :

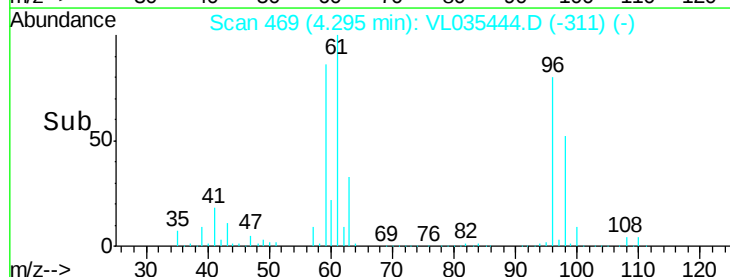
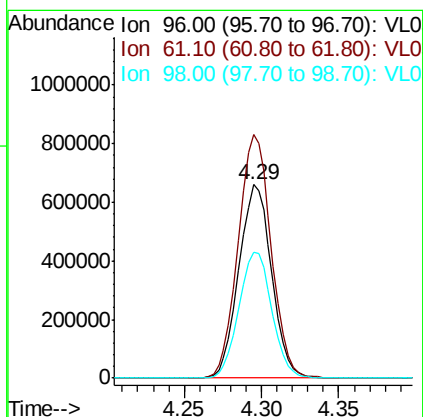
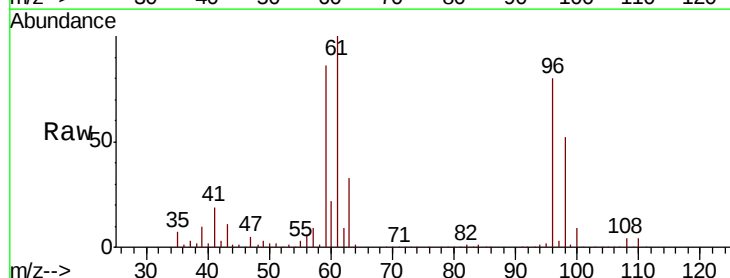
Tot Ion: 59 Resp: 1539077
 Ion Ratio Lower Upper
 59 100
 57 10.4 8.9 13.3

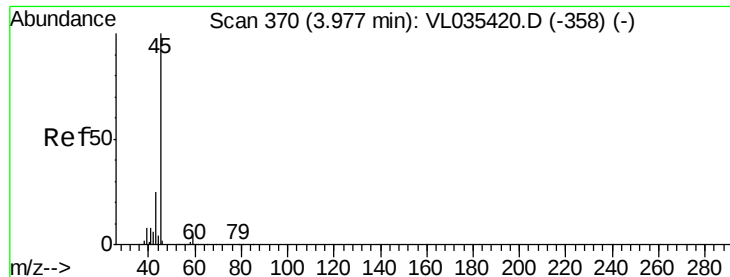


#18

1,1-Dichloroethene
 Concen: 9.234 ppbv
 RT: 4.29 min Scan# 469
 Delta R.T. 0.01 min
 Lab File: VL035444.D
 Acq: 18 Aug 2020 15:01

Tgt Ion: 96 Resp: 974115
 Ion Ratio Lower Upper
 96 100
 61 125.7 161.8 242.6#
 98 65.0 49.3 73.9



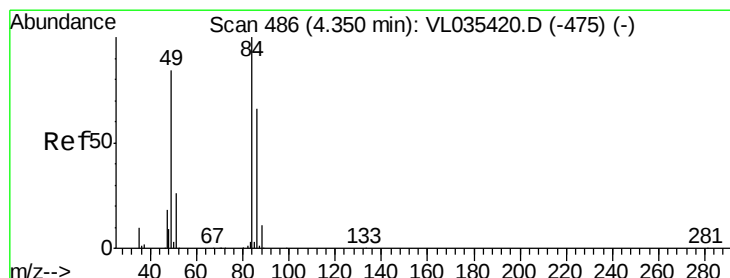
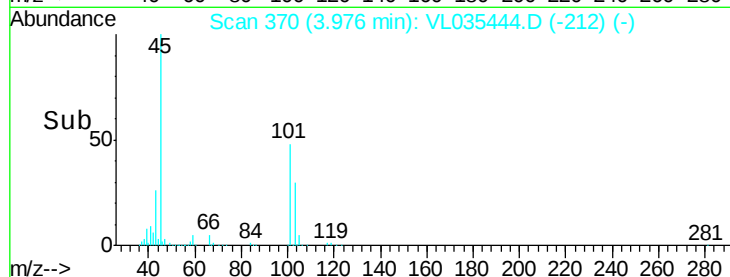
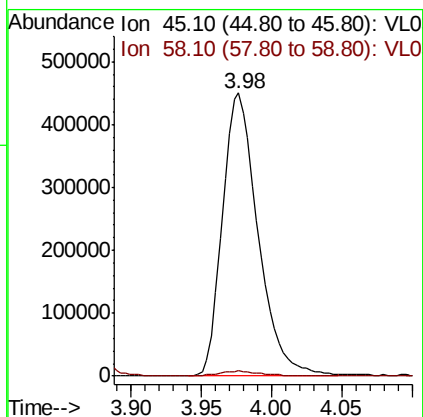
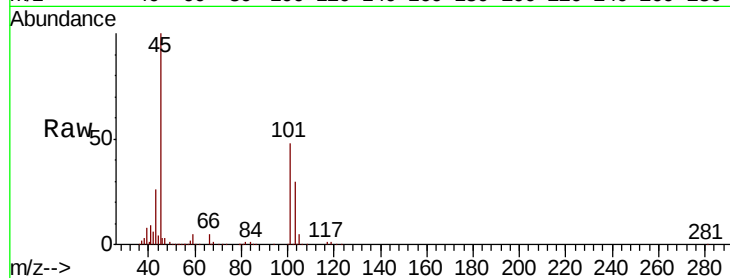


#19

Isopropyl Alcohol
 Concen: 9.082 ppbv
 RT: 3.98 min Scan# 370
 Delta R.T. 0.01 min
 Lab File: VL035444.D
 Acq: 18 Aug 2020 15:01

Instrument :
 MSVOA_L
 ClientSampled :

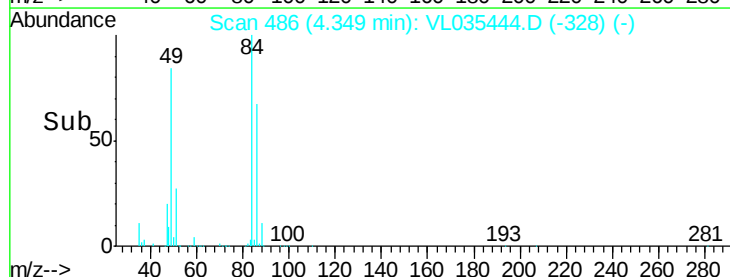
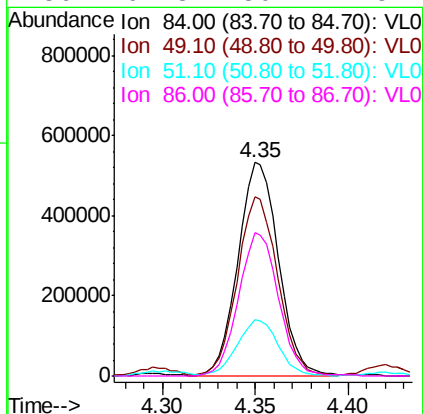
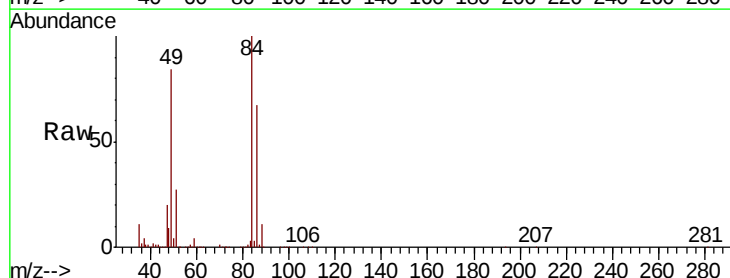
Tot Ion: 45 Resp: 794316
 Ion Ratio Lower Upper
 45 100
 58 2.2 1.0 1.6#

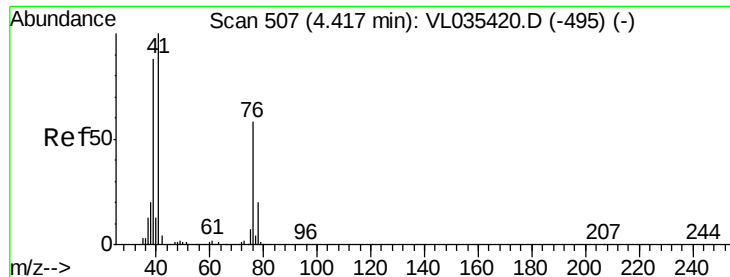


#20

Methylene Chloride
 Concen: 7.880 ppbv
 RT: 4.35 min Scan# 486
 Delta R.T. 0.01 min
 Lab File: VL035444.D
 Acq: 18 Aug 2020 15:01

Tgt Ion: 84 Resp: 806746
 Ion Ratio Lower Upper
 84 100
 49 83.6 118.6 177.8#
 51 26.4 36.4 54.6#
 86 67.3 50.2 75.4





#21

Allvl Chloride

Concen: 9.631 ppbv

RT: 4.42 min Scan# 508

Delta R.T. 0.01 min

Lab File: VL035444.D

Acq: 18 Aug 2020 15:01

Instrument :

MSVOA_L

ClientSampleId :

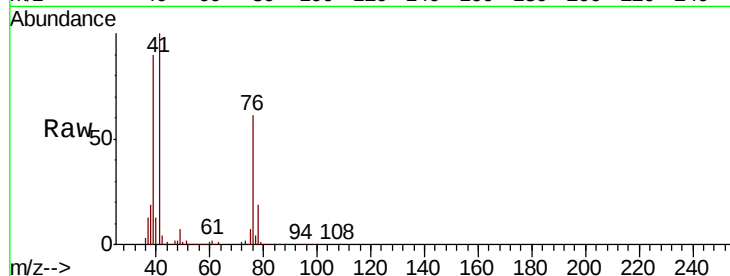
Tot Ion: 41 Resp: 620985

Ion Ratio Lower Upper

41 100

76 59.5 22.8 34.2#

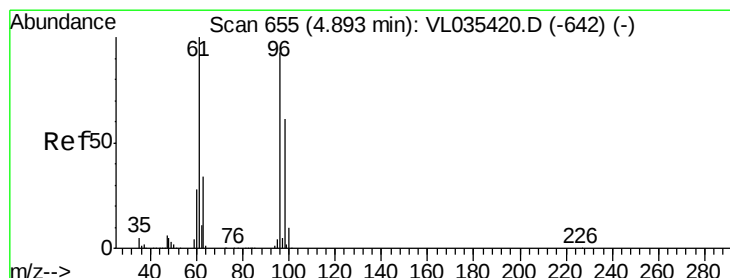
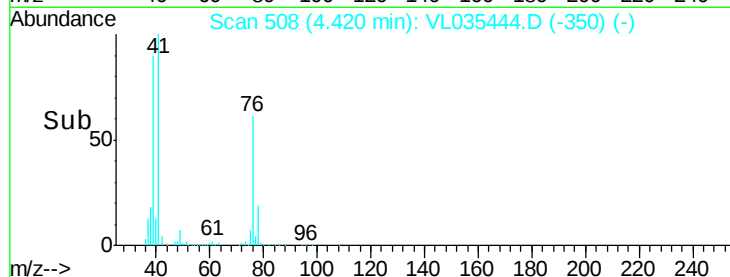
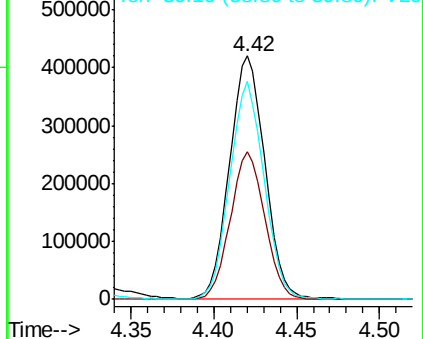
39 87.7 66.2 99.2



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: 9.257 ppbv

RT: 4.90 min Scan# 656

Delta R.T. 0.01 min

Lab File: VL035444.D

Acq: 18 Aug 2020 15:01

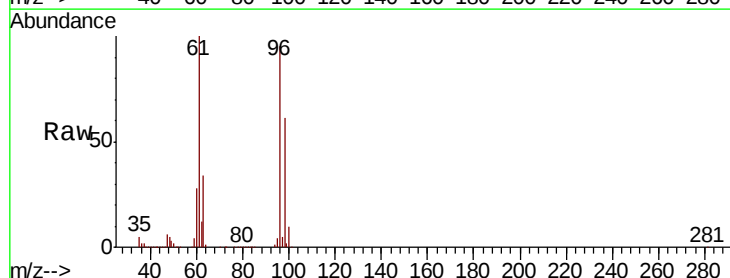
Tgt Ion: 96 Resp: 1042187

Ion Ratio Lower Upper

96 100

61 105.4 142.2 213.2#

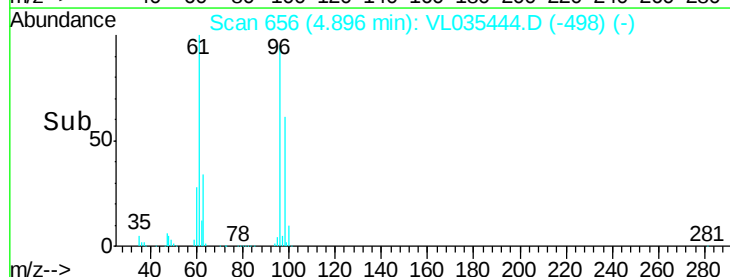
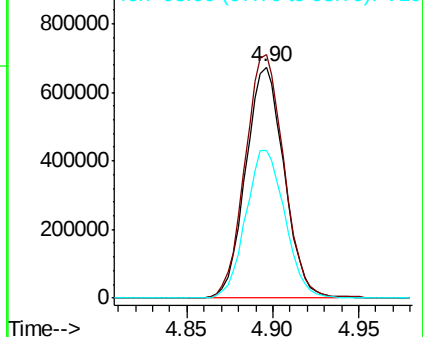
98 64.0 51.8 77.8

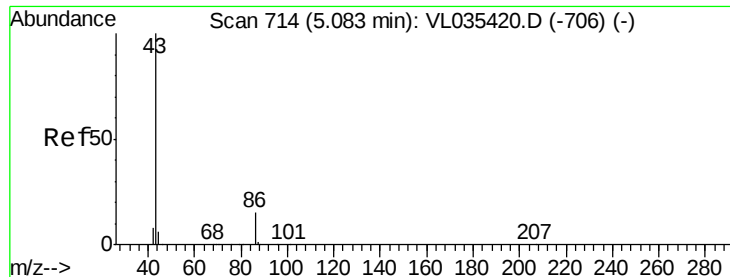


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 9.515 ppbv

RT: 5.09 min Scan# 715

Delta R.T. 0.01 min

Lab File: VL035444.D

Acq: 18 Aug 2020 15:01

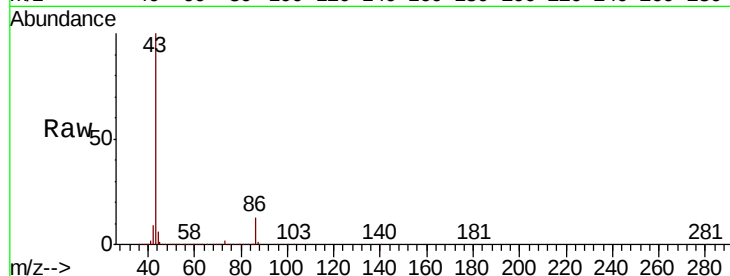
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 43 Resp: 1726053

Ion	Ratio	Lower	Upper
43	100		
86	13.3	6.5	9.7#
42	9.4	8.3	12.5
44	5.5	4.0	6.0

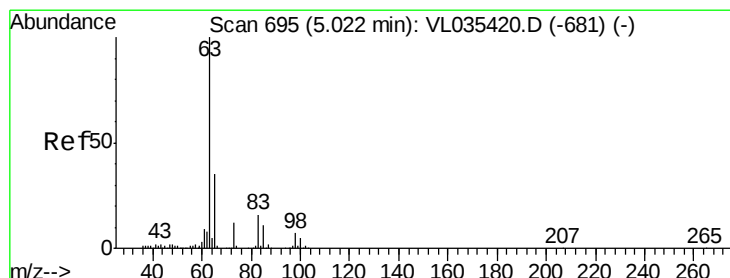
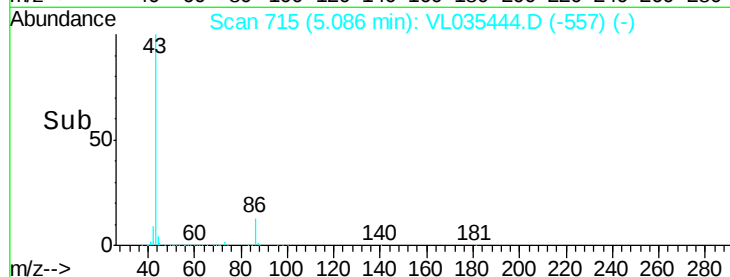
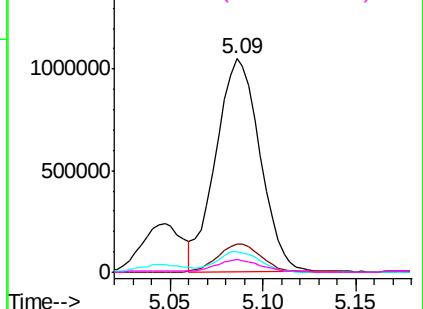


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.103 ppbv

RT: 5.02 min Scan# 695

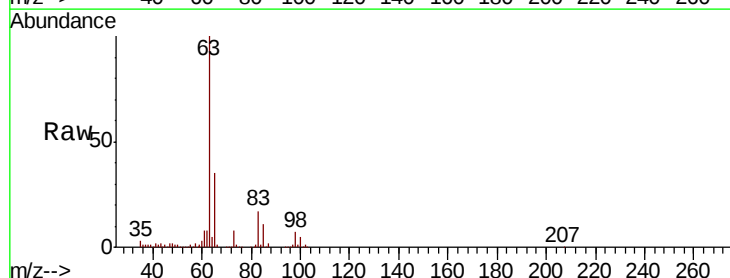
Delta R.T. 0.01 min

Lab File: VL035444.D

Acq: 18 Aug 2020 15:01

Tgt Ion: 63 Resp: 1647974

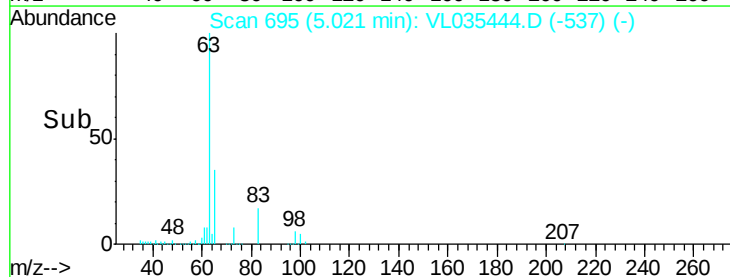
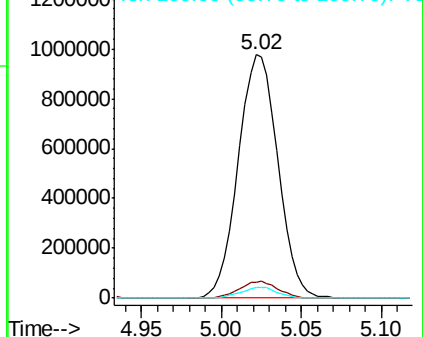
Ion	Ratio	Lower	Upper
63	100		
98	6.5	2.1	6.5#
100	4.5	1.3	3.8#

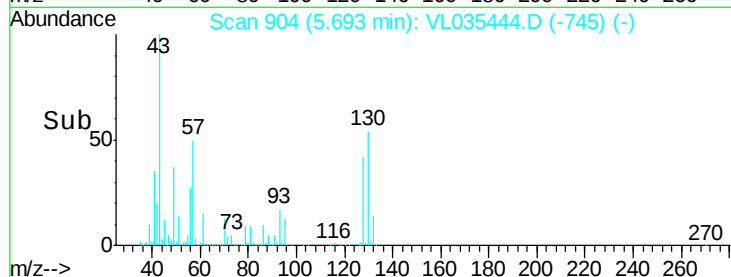
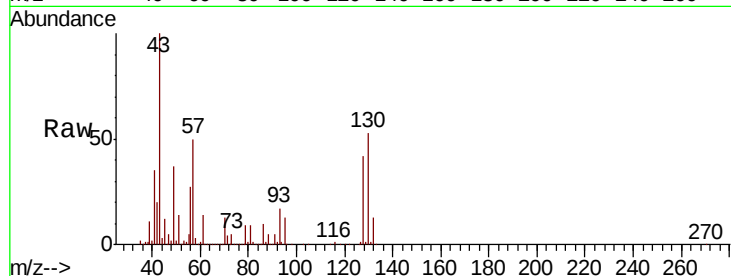
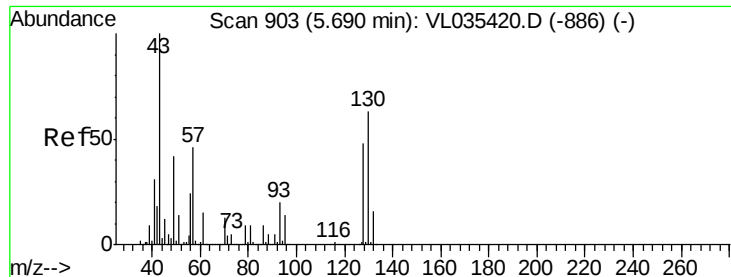


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

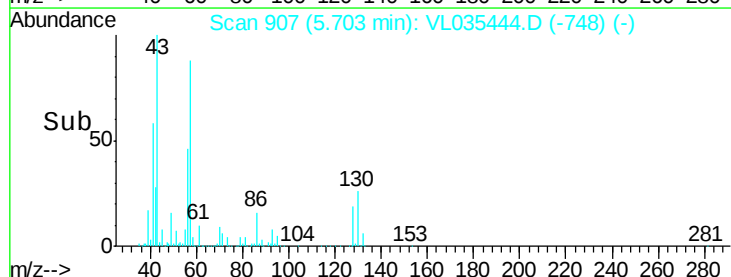
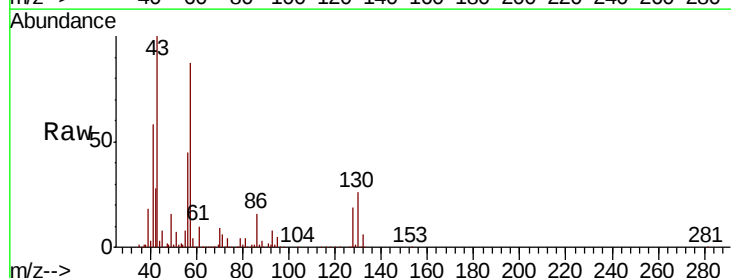
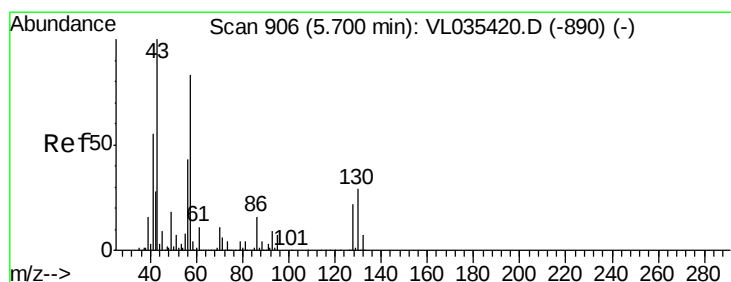
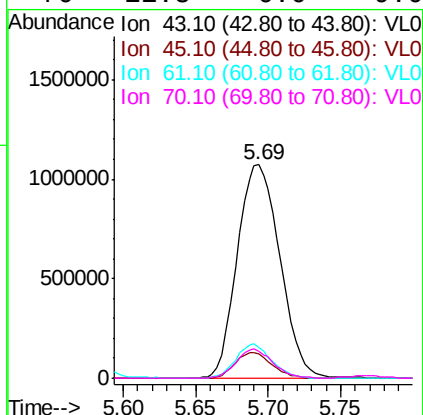




#25
Ethyl Acetate
Concen: 8.877 ppbv
RT: 5.69 min Scan# 904
Delta R.T. 0.01 min
Lab File: VL035444.D
Acq: 18 Aug 2020 15:01

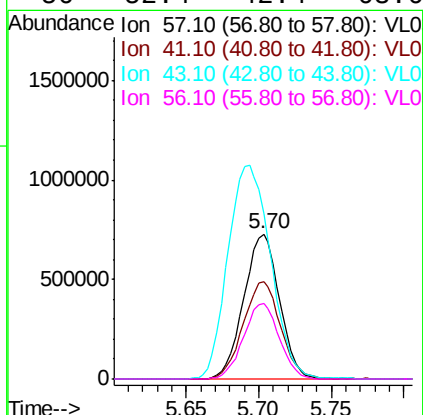
Instrument :
MSVOA_L
ClientSampleId :

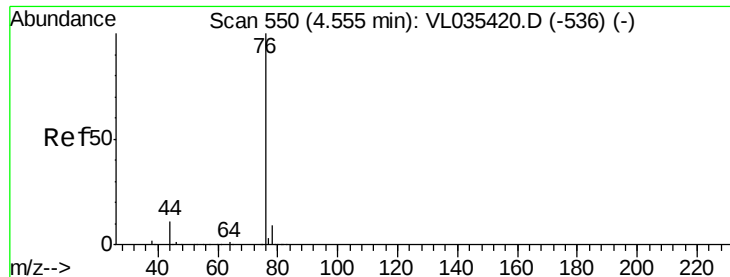
Tot Ion: 43 Resp: 2191794
Ion Ratio Lower Upper
43 100
45 10.6 8.3 12.5
61 13.2 7.6 11.4#
70 11.8 6.0 9.0#



#26
Hexane
Concen: 8.947 ppbv
RT: 5.70 min Scan# 907
Delta R.T. 0.01 min
Lab File: VL035444.D
Acq: 18 Aug 2020 15:01

Tgt Ion: 57 Resp: 1246690
Ion Ratio Lower Upper
57 100
41 70.8 75.5 113.3#
43 176.6 181.7 272.5#
56 52.4 42.4 63.6





#27

Carbon Disulfide

Concen: 10.037 ppbv

RT: 4.56 min Scan# 551

Delta R.T. 0.01 min

Lab File: VL035444.D

Acq: 18 Aug 2020 15:01

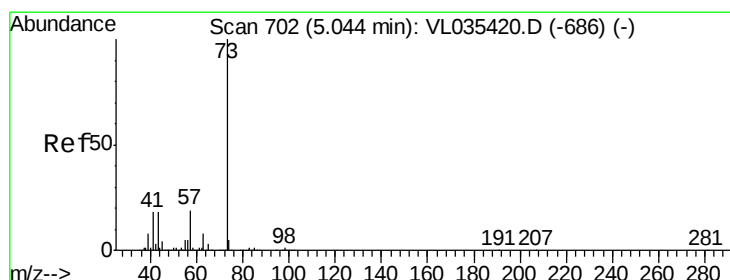
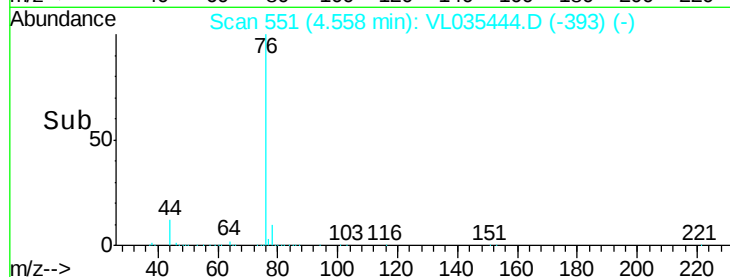
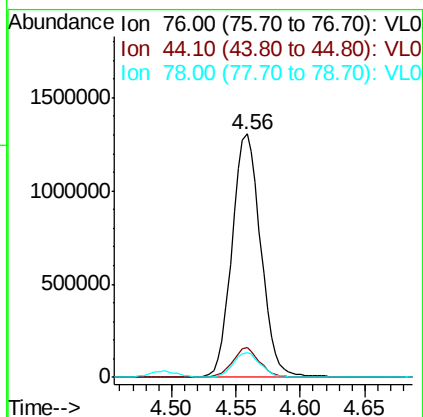
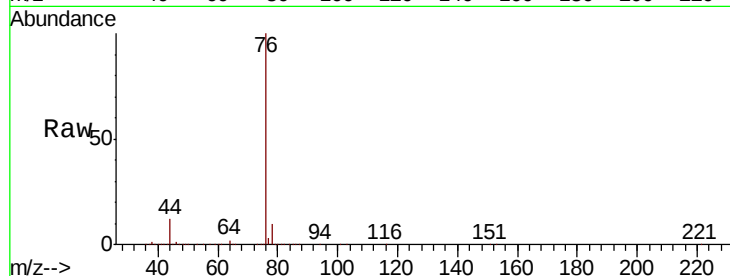
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 76 Resp: 2021621

Ion	Ratio	Lower	Upper
76	100		
44	11.3	16.8	25.2#
78	9.7	7.3	10.9



#28

Methyl tert-Butyl Ether

Concen: 9.110 ppbv

RT: 5.04 min Scan# 702

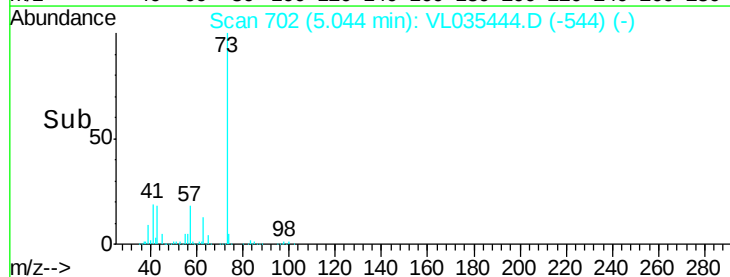
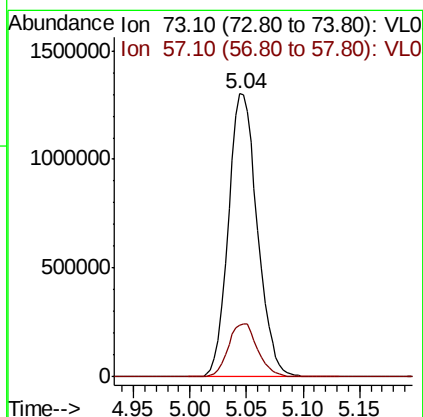
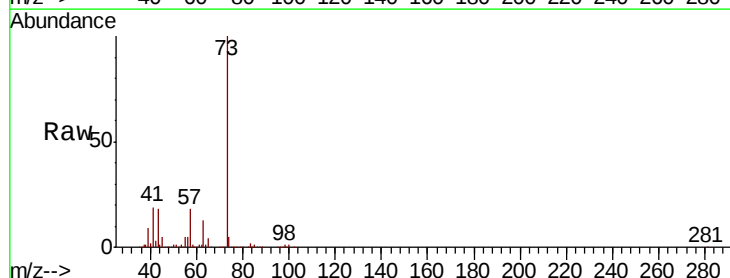
Delta R.T. 0.01 min

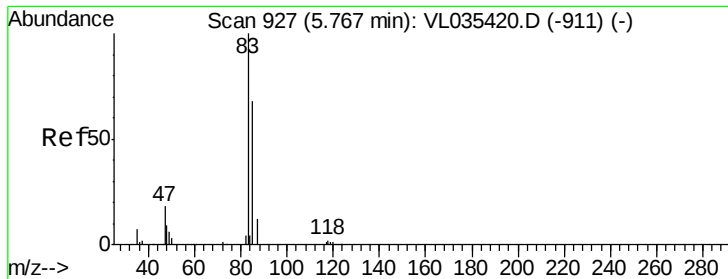
Lab File: VL035444.D

Acq: 18 Aug 2020 15:01

Tgt Ion: 73 Resp: 2318973

Ion	Ratio	Lower	Upper
73	100		
57	19.1	18.3	27.5





#29

Chloroform

Concen: 9.164 ppbv

RT: 5.77 min Scan# 928

Delta R.T. 0.01 min

Lab File: VL035444.D

Acq: 18 Aug 2020 15:01

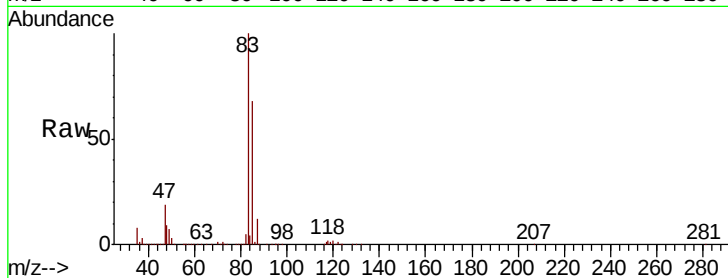
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 83 Resp: 2565672

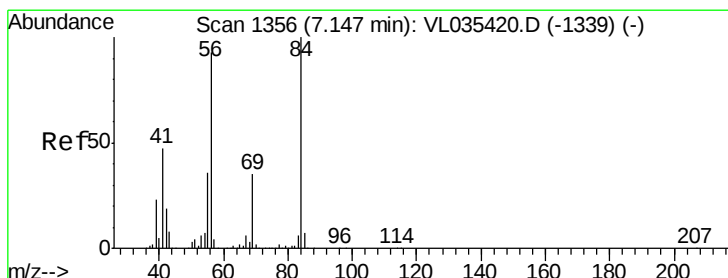
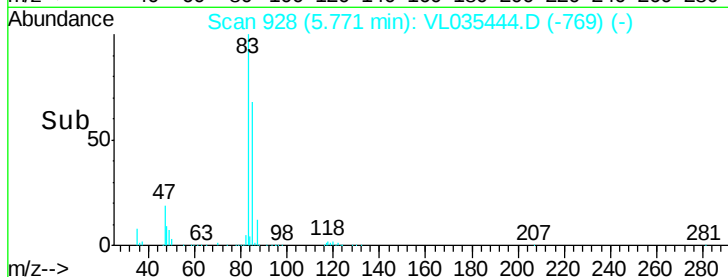
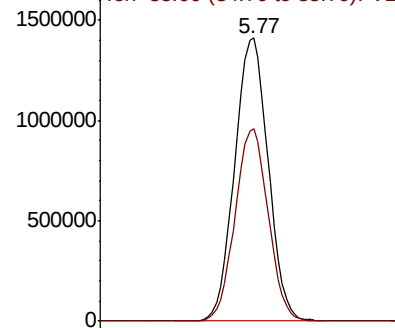
Ion Ratio Lower Upper

83 100

85 68.0 52.7 79.1



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0



#30

Cyclohexane

Concen: 9.491 ppbv

RT: 7.15 min Scan# 1357

Delta R.T. 0.01 min

Lab File: VL035444.D

Acq: 18 Aug 2020 15:01

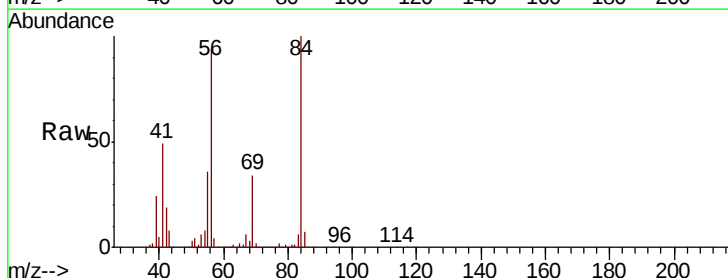
Tgt Ion: 84 Resp: 1467293

Ion Ratio Lower Upper

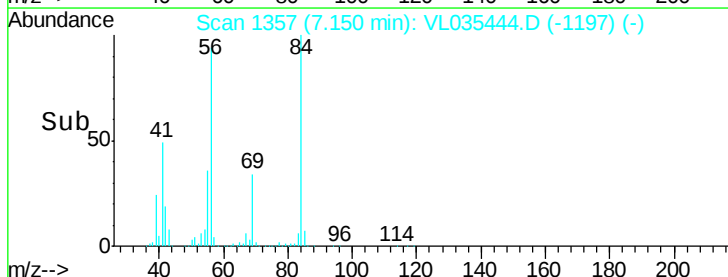
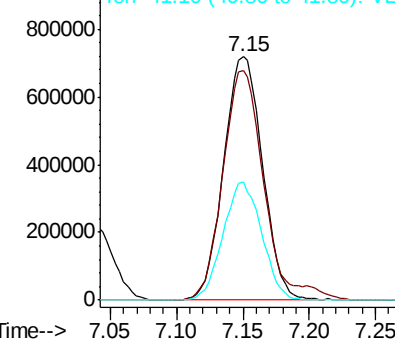
84 100

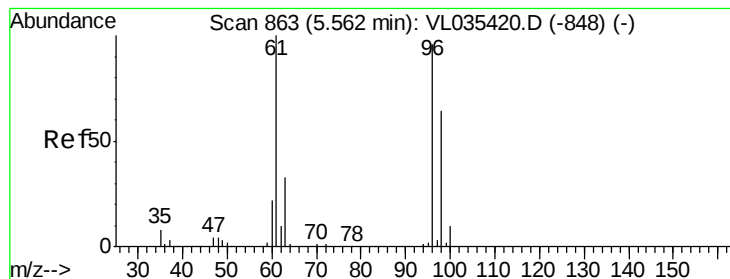
56 99.9 114.9 172.3#

41 47.9 72.3 108.5#



Abundance Ion 84.20 (83.90 to 84.90): VL0
Ion 56.10 (55.80 to 56.80): VL0
Ion 41.10 (40.80 to 41.80): VL0



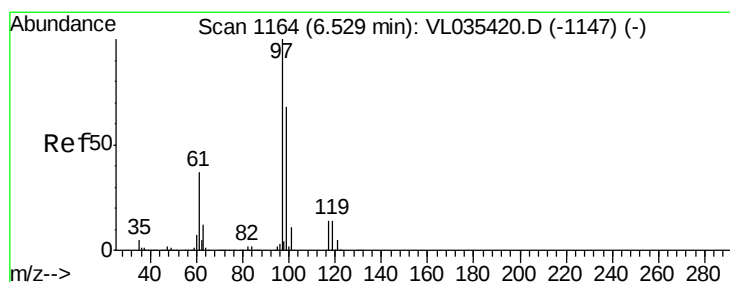
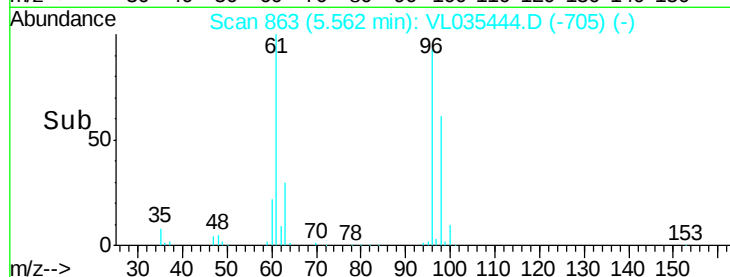
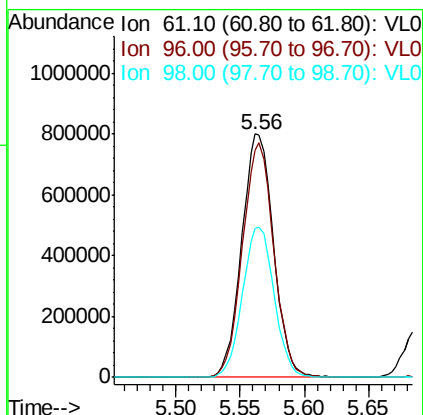
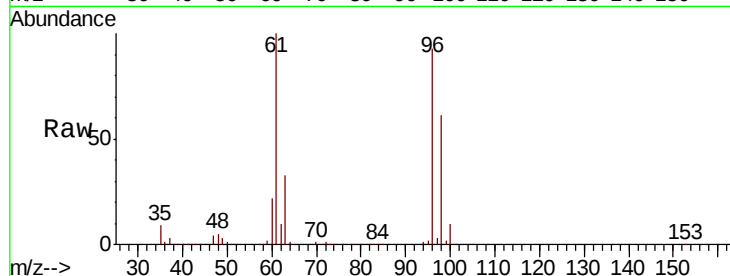


#31

cis-1,2-Dichloroethene
 Concen: 9.399 ppbv
 RT: 5.56 min Scan# 863
 Delta R.T. 0.01 min
 Lab File: VL035444.D
 Acq: 18 Aug 2020 15:01

Instrument :
 MSVOA_L
 ClientSampleId :

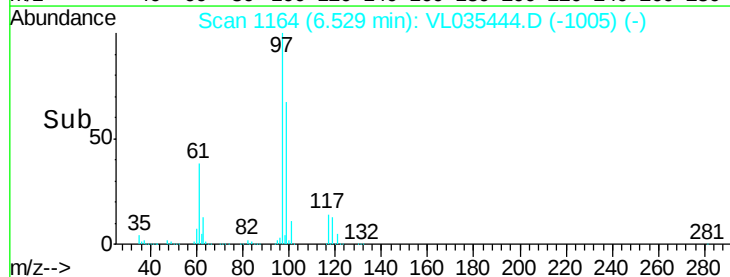
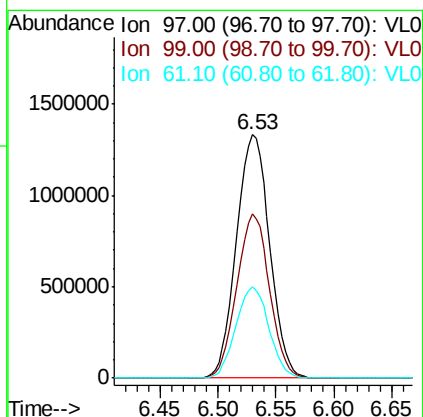
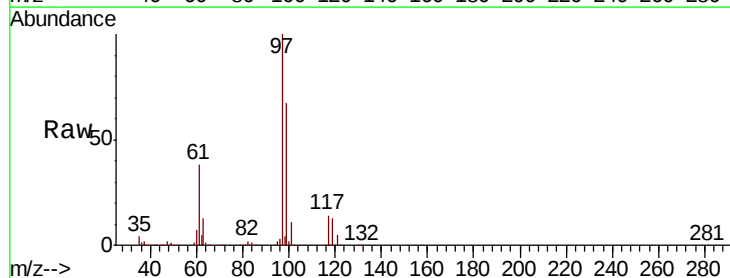
Tot Ion: 61 Resp: 1377431
 Ion Ratio Lower Upper
 61 100
 96 93.2 51.4 77.0#
 98 61.3 32.9 49.3#

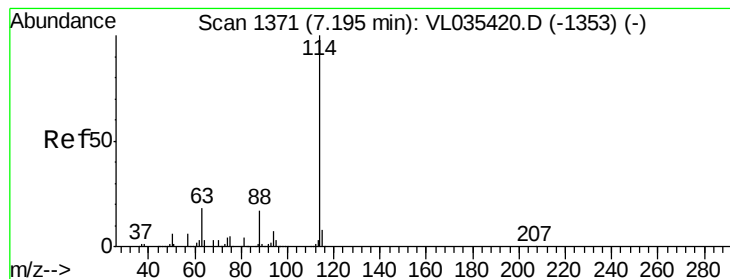


#32

1,1,1-Trichloroethane
 Concen: 10.095 ppbv
 RT: 6.53 min Scan# 1164
 Delta R.T. 0.01 min
 Lab File: VL035444.D
 Acq: 18 Aug 2020 15:01

Tgt Ion: 97 Resp: 2648826
 Ion Ratio Lower Upper
 97 100
 99 66.4 51.4 77.0
 61 37.4 41.0 61.6#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.20 min Scan# 1372

Delta R.T. 0.01 min

Lab File: VL035444.D

Acq: 18 Aug 2020 15:01

Instrument :

MSVOA_L

ClientSampleId :

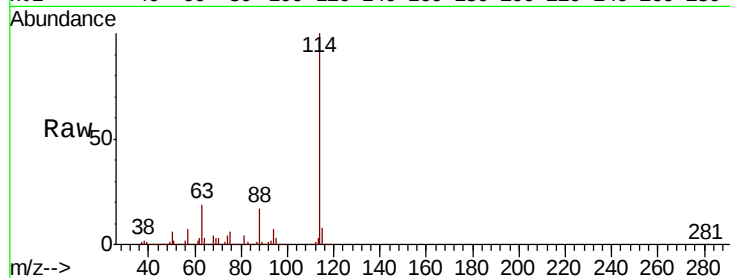
Tot Ion:114 Resp: 4992774

Ion Ratio Lower Upper

114 100

63 17.8 23.1 34.7#

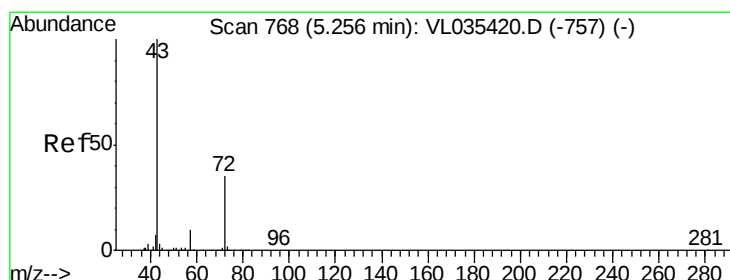
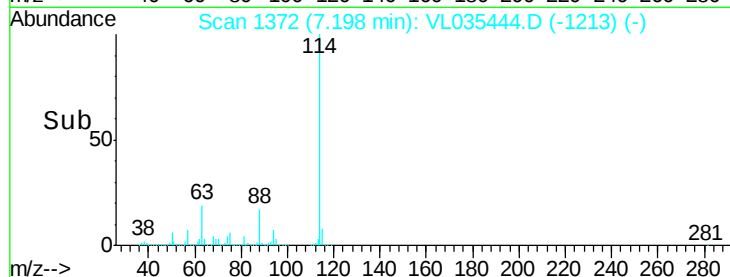
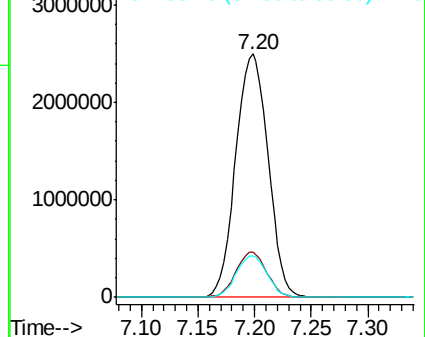
88 16.5 15.9 23.9



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: 9.224 ppbv

RT: 5.26 min Scan# 769

Delta R.T. 0.01 min

Lab File: VL035444.D

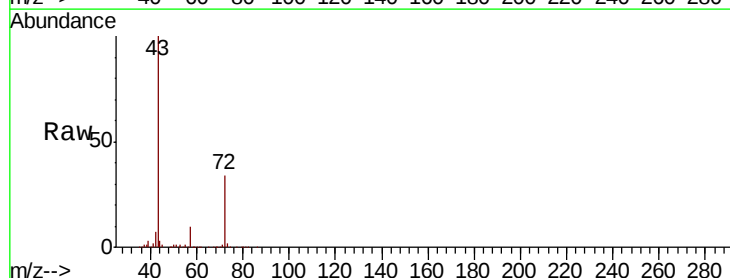
Acq: 18 Aug 2020 15:01

Tgt Ion: 43 Resp: 1538744

Ion Ratio Lower Upper

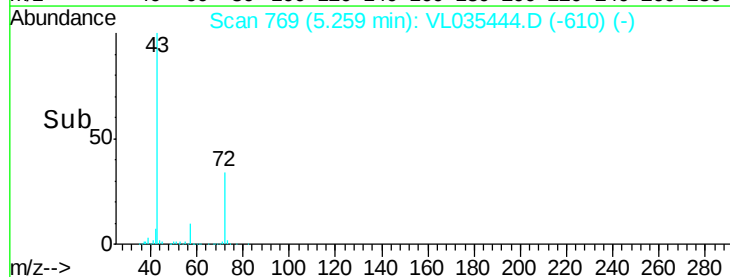
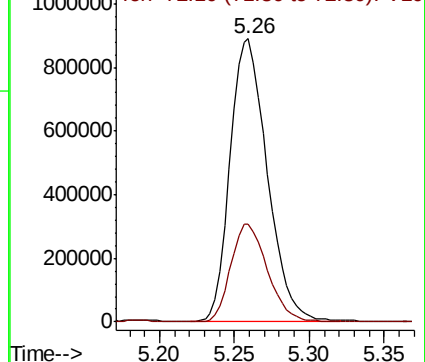
43 100

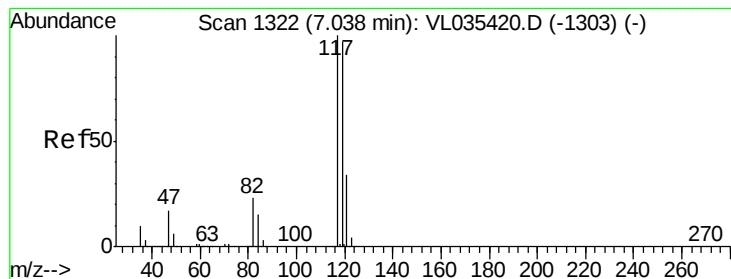
72 34.3 17.6 26.4#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 10.715 ppbv

RT: 7.04 min Scan# 1322

Delta R.T. 0.01 min

Lab File: VL035444.D

Acq: 18 Aug 2020 15:01

Instrument :

MSVOA_L

ClientSampleId :

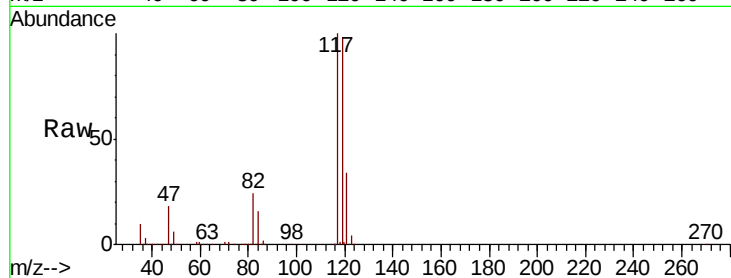
Tot Ion:117 Resp: 2845402

Ion Ratio Lower Upper

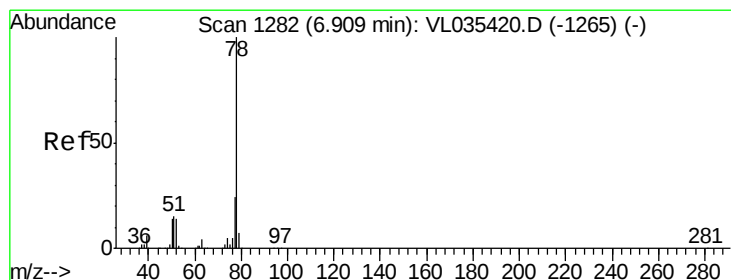
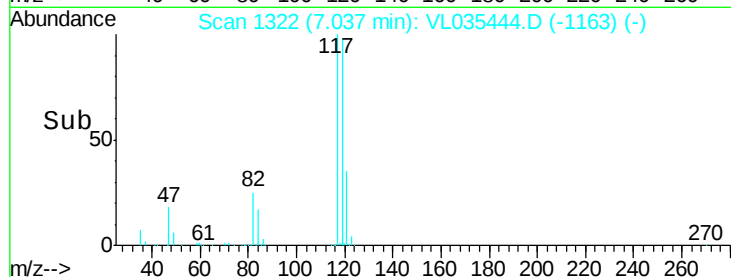
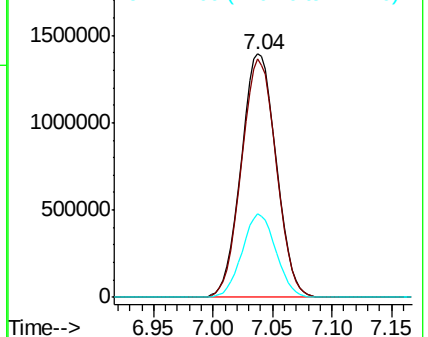
117 100

119 97.9 76.1 114.1

121 34.3 25.5 38.3



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 9.102 ppbv

RT: 6.91 min Scan# 1283

Delta R.T. 0.01 min

Lab File: VL035444.D

Acq: 18 Aug 2020 15:01

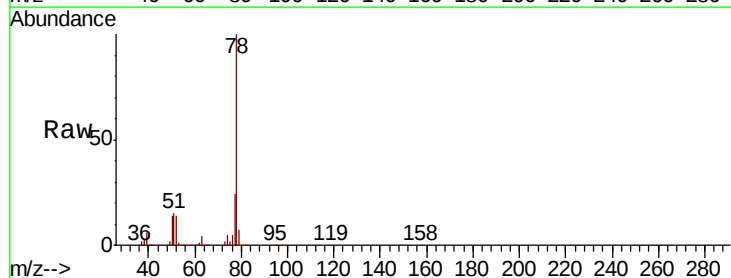
Tgt Ion: 78 Resp: 3335492

Ion Ratio Lower Upper

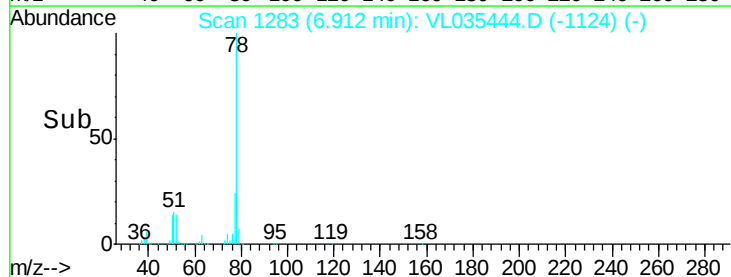
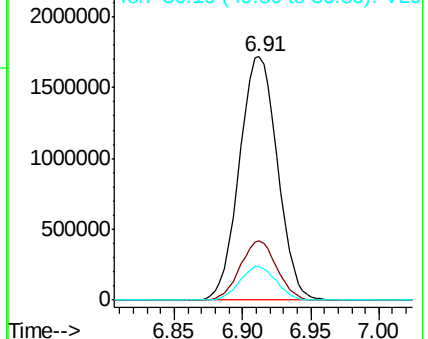
78 100

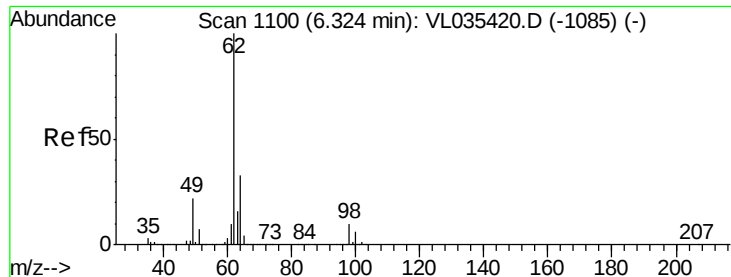
77 24.4 19.6 29.4

50 14.0 16.3 24.5#



Abundance Ion 78.10 (77.80 to 78.80): VL0
Ion 77.10 (76.80 to 77.80): VL0
Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 9.469 ppbv

RT: 6.33 min Scan# 1101

Delta R.T. 0.01 min

Lab File: VL035444.D

Acq: 18 Aug 2020 15:01

Instrument :

MSVOA_L

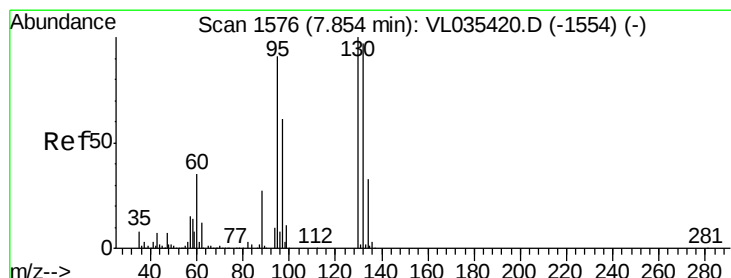
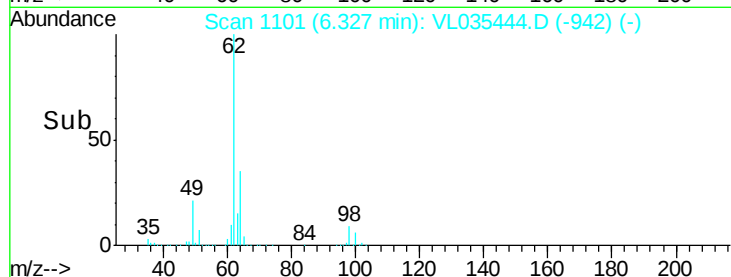
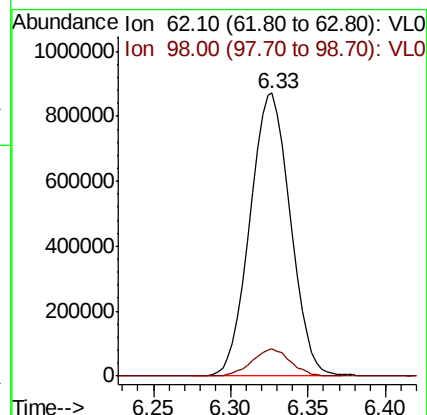
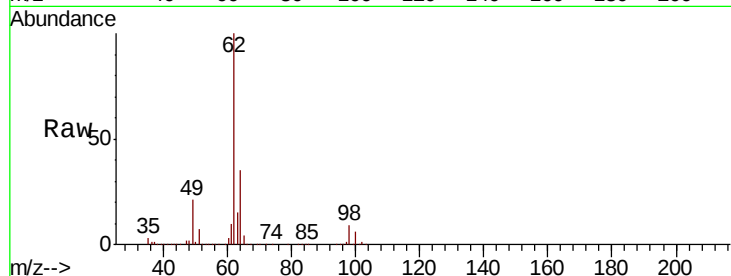
ClientSampleId :

Tot Ion: 62 Resp: 1585673

Ion Ratio Lower Upper

62 100

98 9.2 4.6 7.0#



#38

Trichloroethene

Concen: 9.187 ppbv

RT: 7.86 min Scan# 1577

Delta R.T. 0.01 min

Lab File: VL035444.D

Acq: 18 Aug 2020 15:01

Tgt Ion: 130 Resp: 1872615

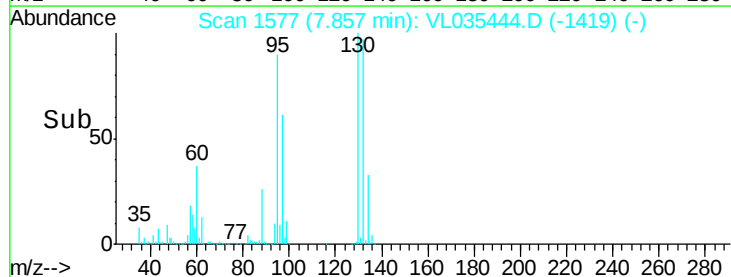
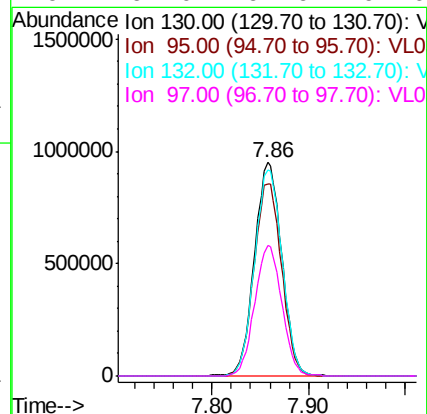
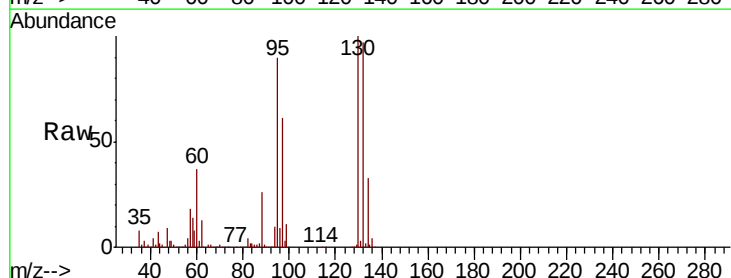
Ion Ratio Lower Upper

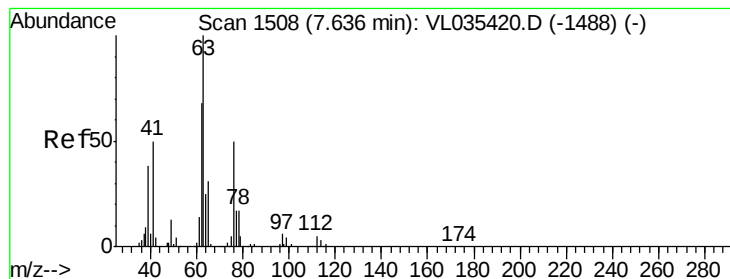
130 100

95 89.8 95.8 143.8#

132 96.6 74.3 111.5

97 61.0 62.6 94.0#





#39

1,2-Dichloropropane

Concen: 9.310 ppbv

RT: 7.64 min Scan# 1508

Delta R.T. 0.01 min

Lab File: VL035444.D

Acq: 18 Aug 2020 15:01

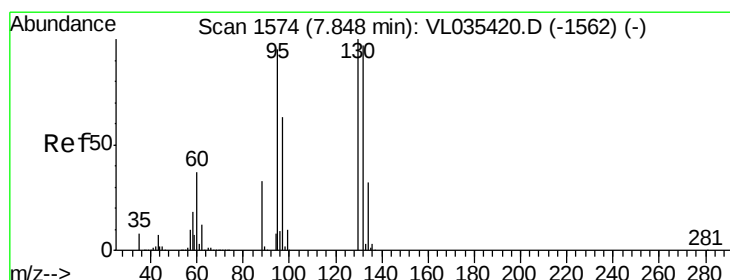
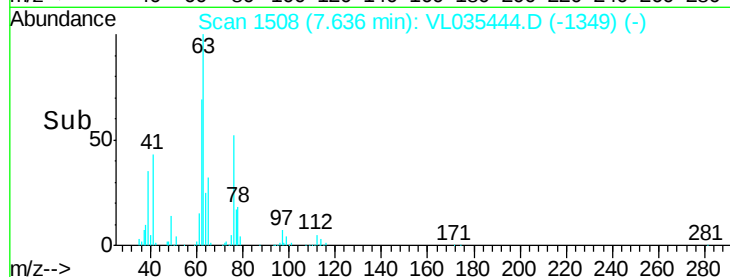
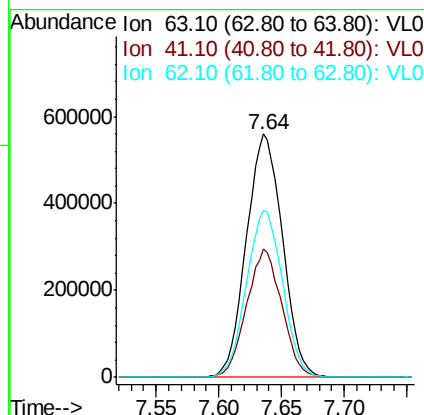
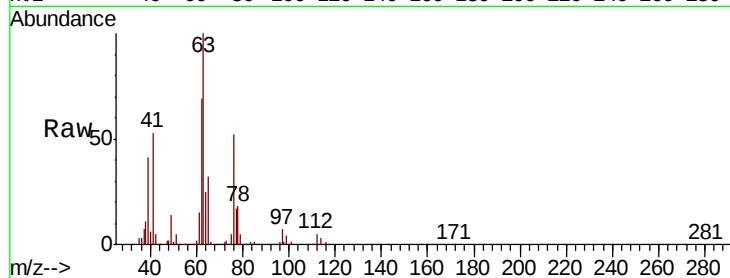
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 63 Resp: 1124363

Ion	Ratio	Lower	Upper
63	100		
41	52.5	61.1	91.7#
62	68.5	55.3	82.9



#40

1,4-Dioxane

Concen: 8.761 ppbv

RT: 7.85 min Scan# 1575

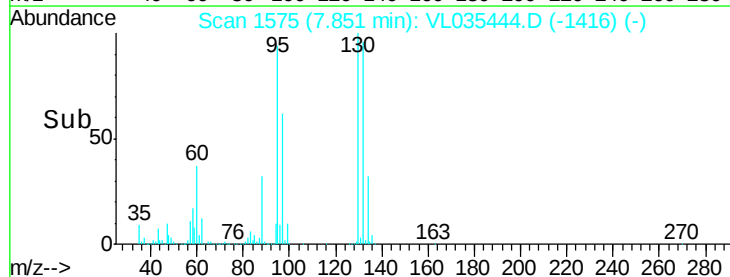
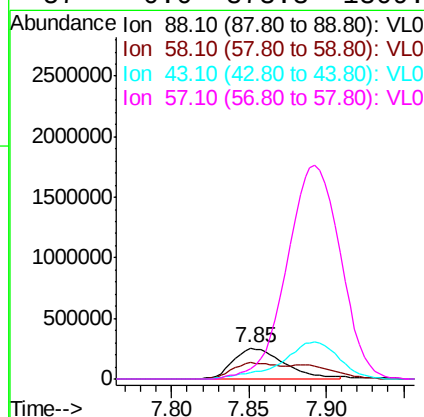
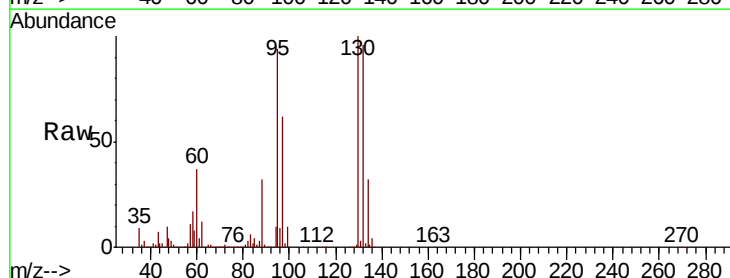
Delta R.T. 0.01 min

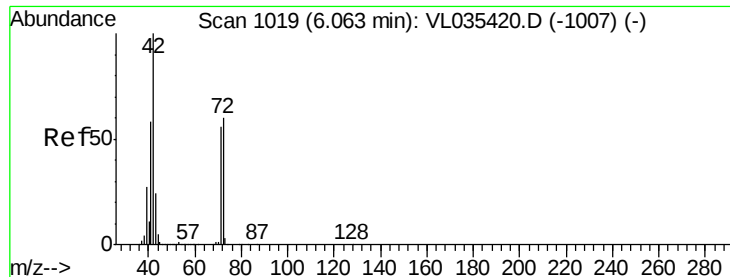
Lab File: VL035444.D

Acq: 18 Aug 2020 15:01

Tgt Ion: 88 Resp: 576335

Ion	Ratio	Lower	Upper
88	100		
58	89.7	106.6	160.0#
43	0.0	209.7	314.5#
57	0.0	873.3	1309.9#





#41

Tetrahydrofuran

Concen: 9.693 ppbv

RT: 6.06 min Scan# 1019

Delta R.T. 0.01 min

Lab File: VL035444.D

Acq: 18 Aug 2020 15:01

Instrument :

MSVOA_L

ClientSampleId :

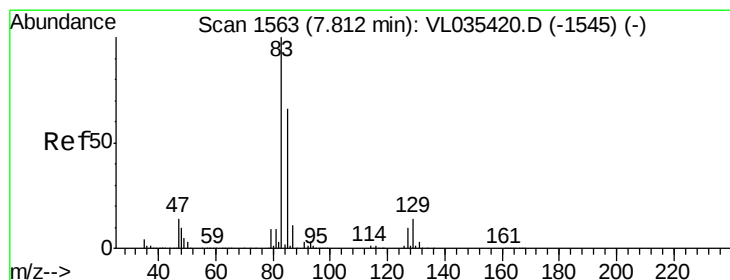
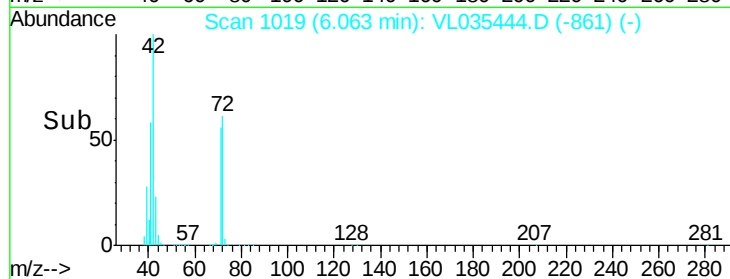
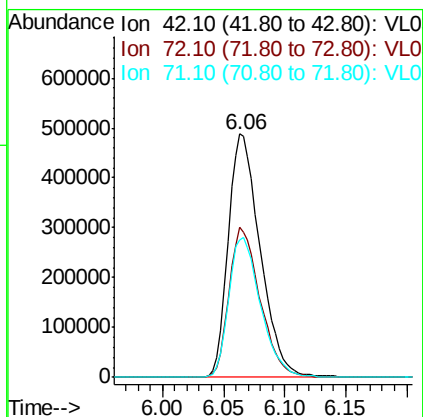
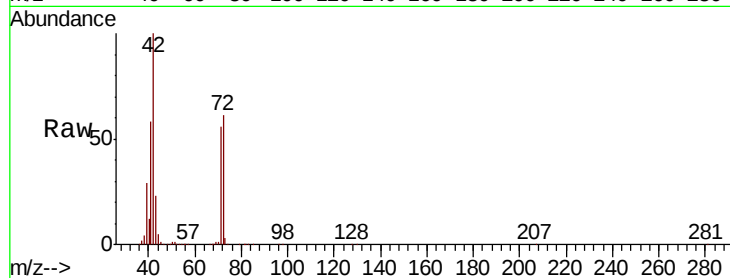
Tot Ion: 42 Resp: 891905

Ion Ratio Lower Upper

42 100

72 60.3 29.4 44.2#

71 57.3 28.9 43.3#



#42

Bromodichloromethane

Concen: 9.847 ppbv

RT: 7.82 min Scan# 1564

Delta R.T. 0.01 min

Lab File: VL035444.D

Acq: 18 Aug 2020 15:01

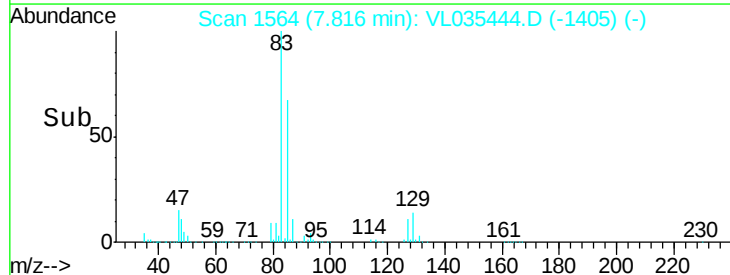
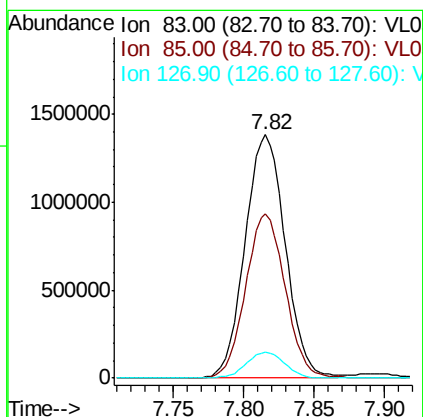
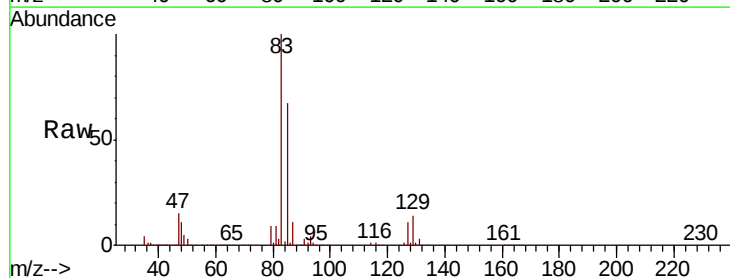
Tgt Ion: 83 Resp: 2759438

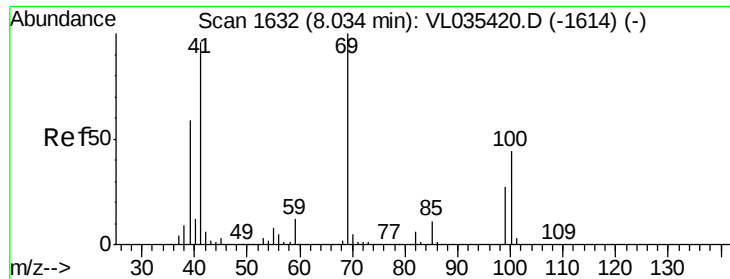
Ion Ratio Lower Upper

83 100

85 67.4 54.8 82.2

127 10.6 6.1 9.1#

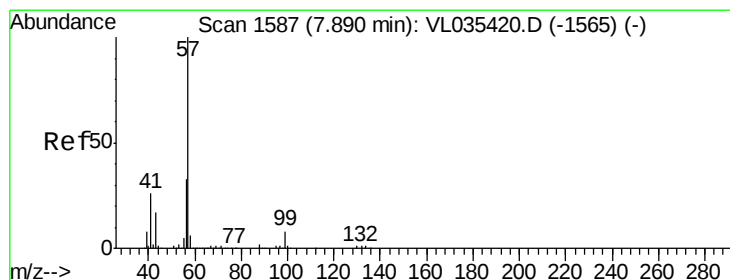
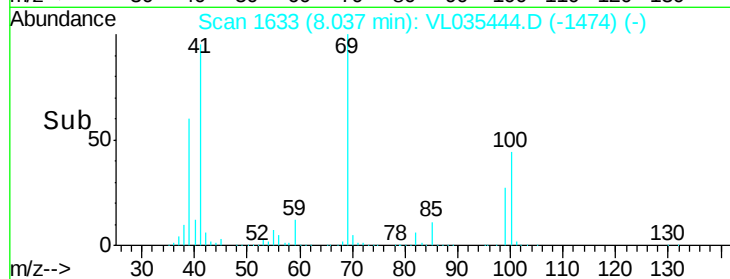
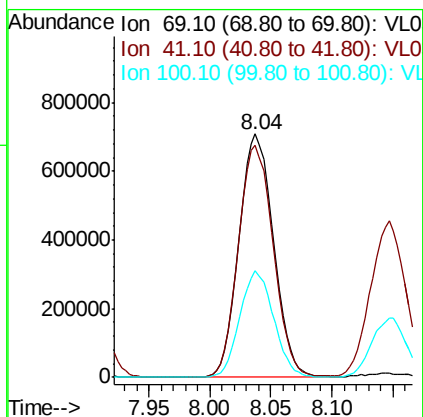
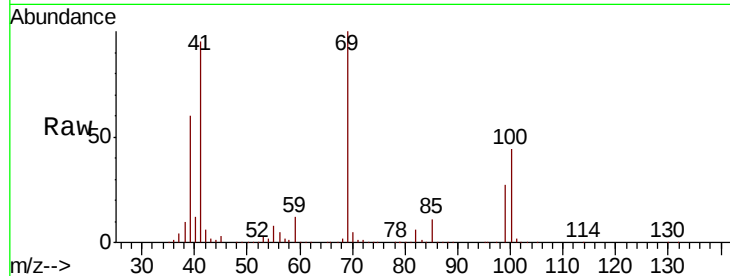




#43
Methvl Methacrilate
Concen: 9.692 ppbv
RT: 8.04 min Scan# 1633
Delta R.T. 0.01 min
Lab File: VL035444.D
Acq: 18 Aug 2020 15:01

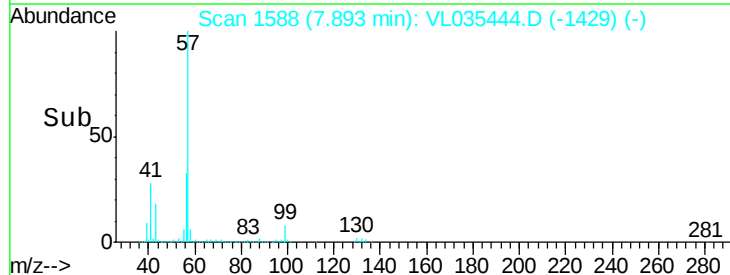
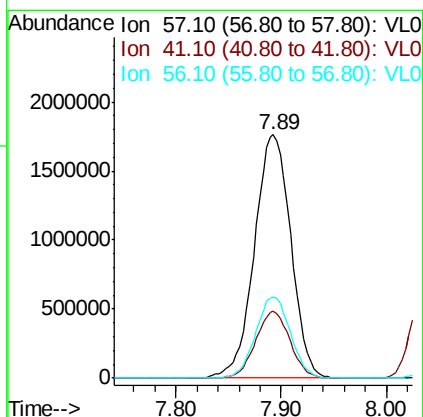
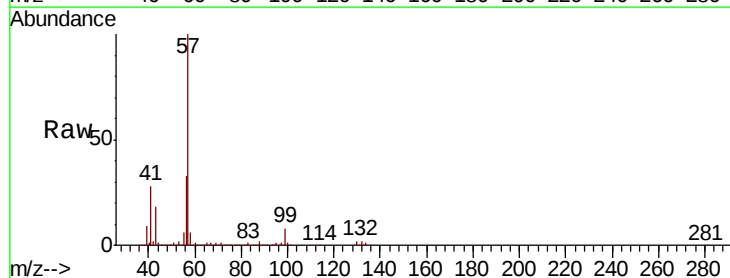
Instrument :
MSVOA_L
ClientSampled :

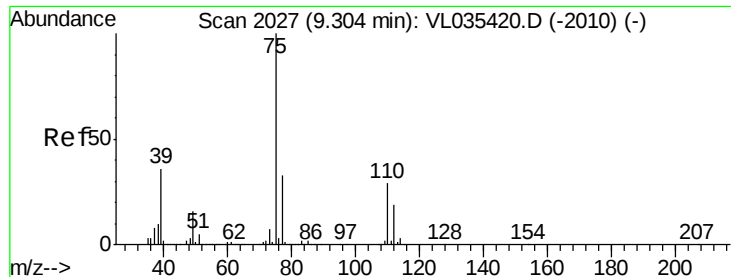
Tot Ion: 69 Resp: 1388816
Ion Ratio Lower Upper
69 100
41 96.4 123.4 185.0#
100 42.9 24.2 36.4#



#44
2,2,4-Trimethylpentane
Concen: 8.860 ppbv
RT: 7.89 min Scan# 1588
Delta R.T. 0.01 min
Lab File: VL035444.D
Acq: 18 Aug 2020 15:01

Tgt Ion: 57 Resp: 4239940
Ion Ratio Lower Upper
57 100
41 25.9 27.2 40.8#
56 31.9 25.4 38.0

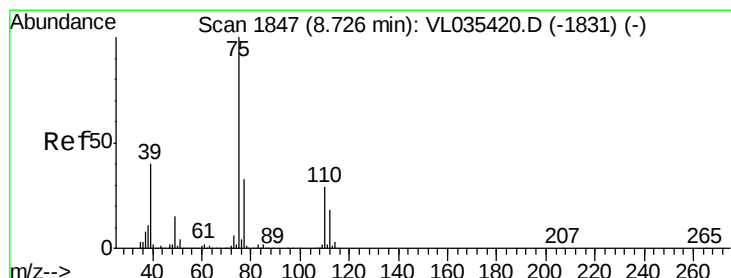
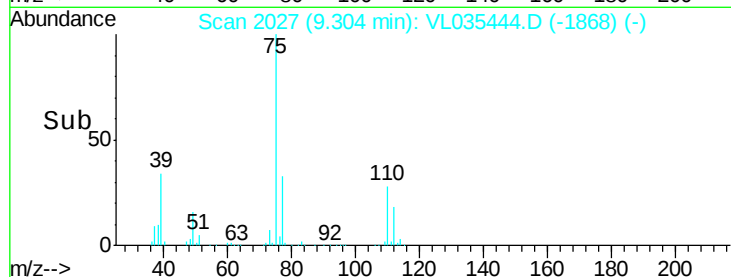
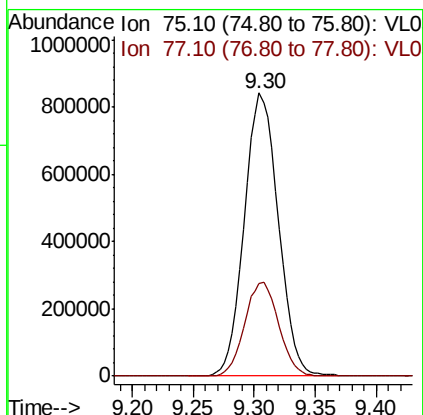
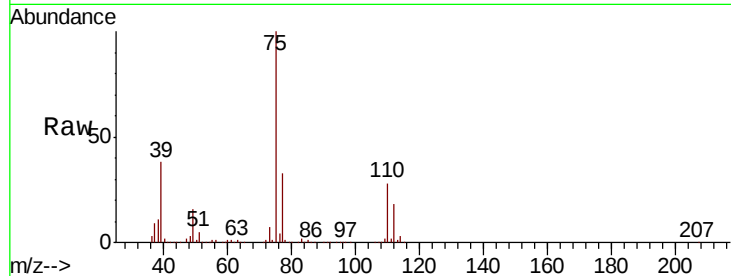




#45
 t-1,3-Dichloropropene
 Concen: 10.963 ppbv
 RT: 9.30 min Scan# 2027
 Delta R.T. 0.01 min
 Lab File: VL035444.D
 Acq: 18 Aug 2020 15:01

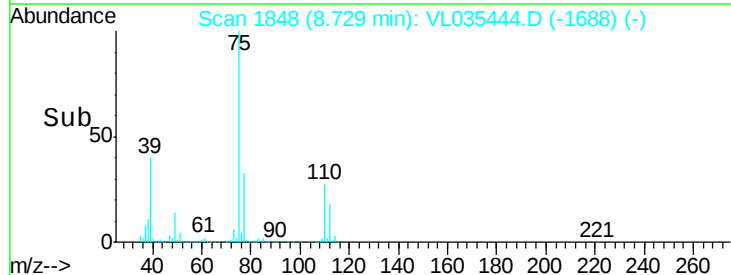
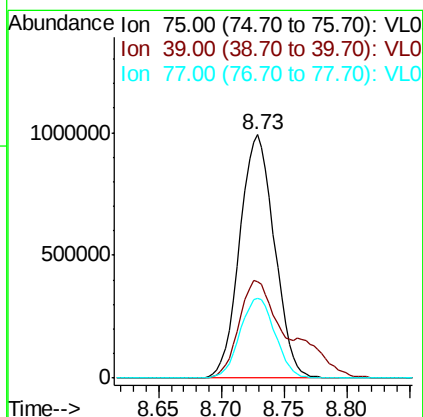
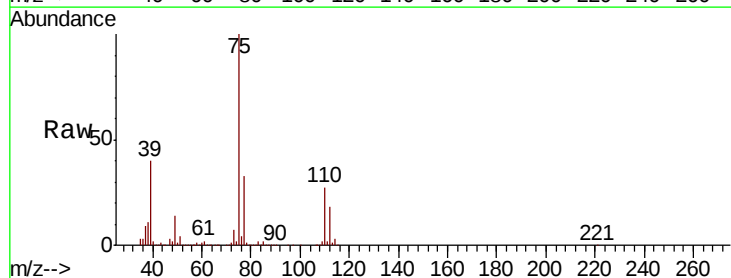
Instrument :
 MSVOA_L
 ClientSampleId :

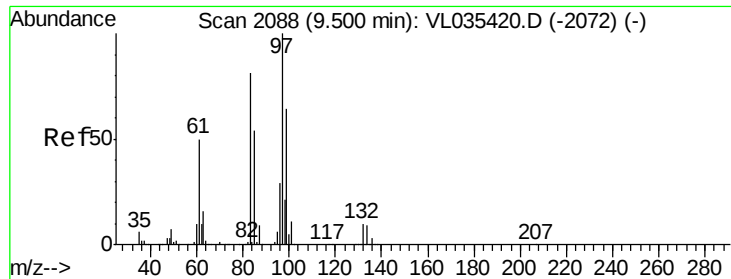
Tot Ion: 75 Resp: 1618181
 Ion Ratio Lower Upper
 75 100
 77 32.8 25.0 37.6



#46
 cis-1,3-Dichloropropene
 Concen: 10.393 ppbv
 RT: 8.73 min Scan# 1848
 Delta R.T. 0.01 min
 Lab File: VL035444.D
 Acq: 18 Aug 2020 15:01

Tgt Ion: 75 Resp: 1911162
 Ion Ratio Lower Upper
 75 100
 39 39.8 55.8 83.6#
 77 32.5 25.6 38.4



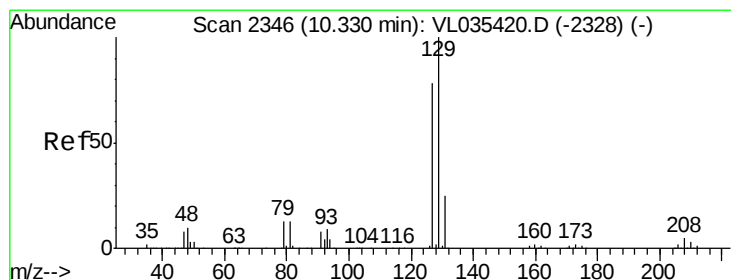
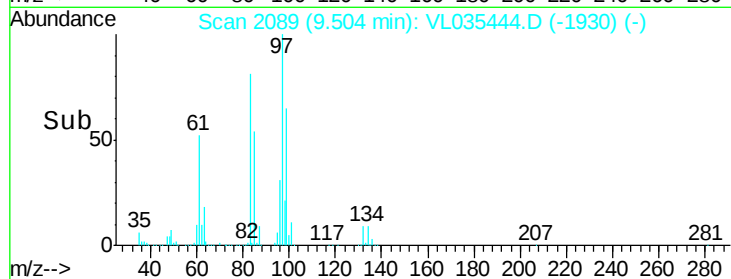
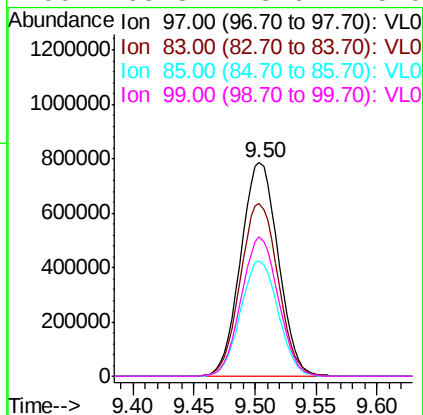
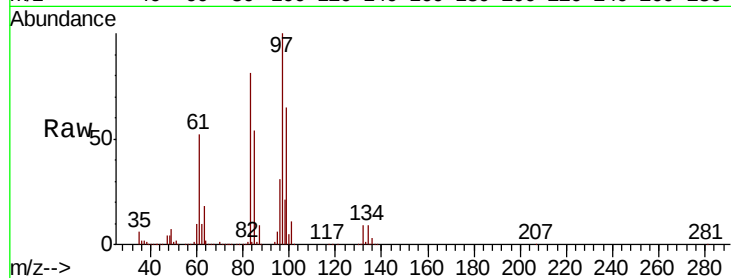


#47
 1,1,2-Trichloroethane
 Concen: 9.264 ppbv
 RT: 9.50 min Scan# 2089
 Delta R.T. 0.01 min
 Lab File: VL035444.D
 Acq: 18 Aug 2020 15:01

Instrument :
 MSVOA_L
 ClientSampleID :

Tot Ion: 97 Resp: 1671177

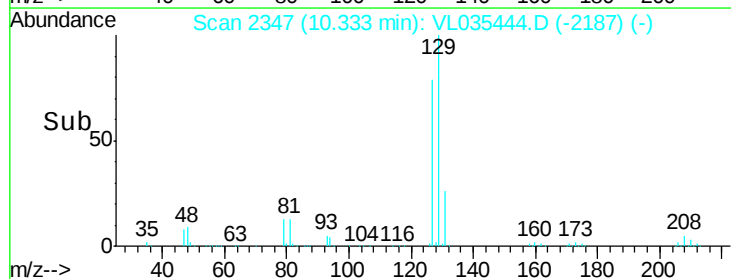
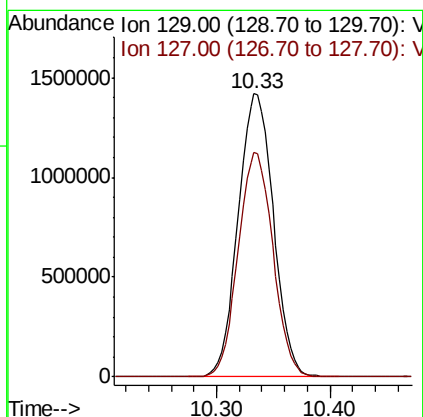
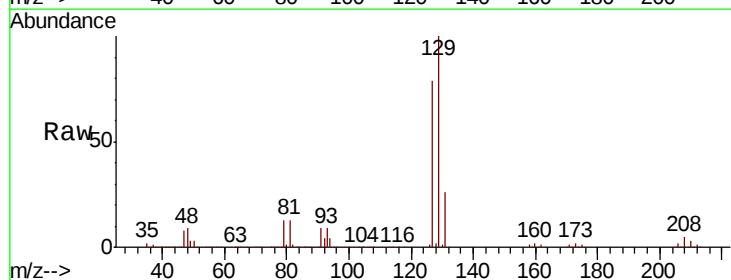
Ion	Ratio	Lower	Upper
97	100		
83	80.8	72.1	108.1
85	53.9	46.8	70.2
99	65.3	48.6	73.0

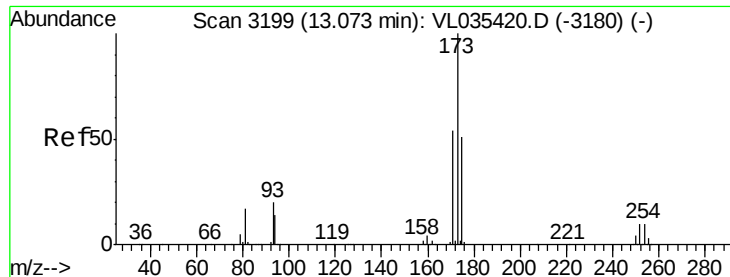


#48
 Dibromochloromethane
 Concen: 10.200 ppbv
 RT: 10.33 min Scan# 2347
 Delta R.T. 0.01 min
 Lab File: VL035444.D
 Acq: 18 Aug 2020 15:01

Tgt Ion: 129 Resp: 3086496

Ion	Ratio	Lower	Upper
129	100		
127	78.3	39.5	118.5





#49

Bromoform

Concen: 10.646 ppbv

RT: 13.08 min Scan# 3200

Delta R.T. 0.01 min

Lab File: VL035444.D

Acq: 18 Aug 2020 15:01

Instrument :

MSVOA_L

ClientSampleId :

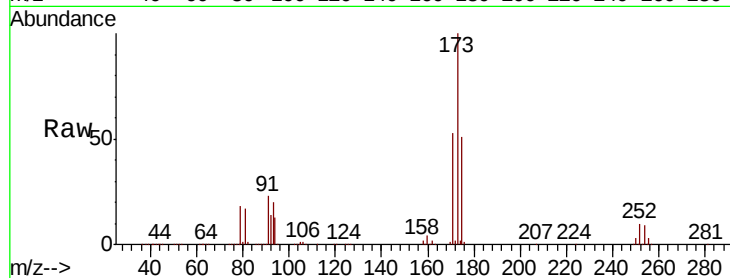
Tot Ion:173 Resp: 3103435

Ion Ratio Lower Upper

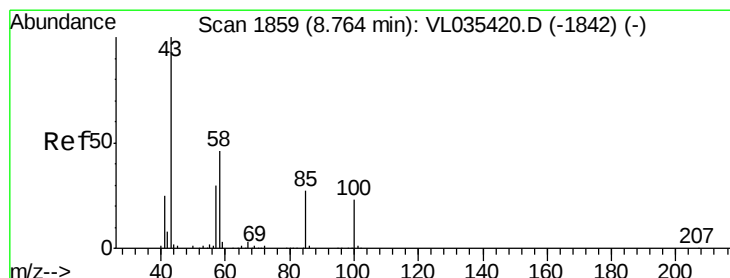
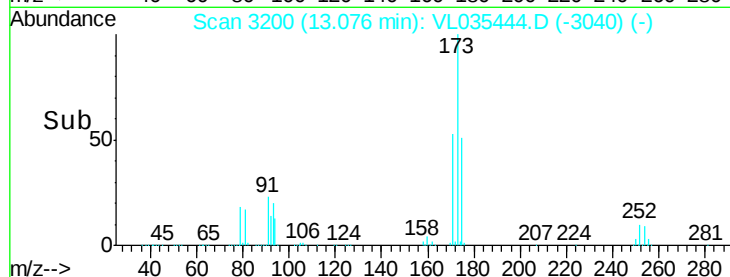
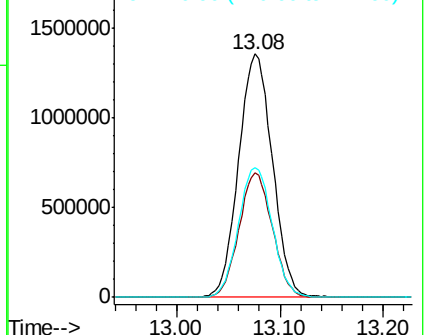
173 100

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: 9.431 ppbv

RT: 8.76 min Scan# 1859

Delta R.T. 0.01 min

Lab File: VL035444.D

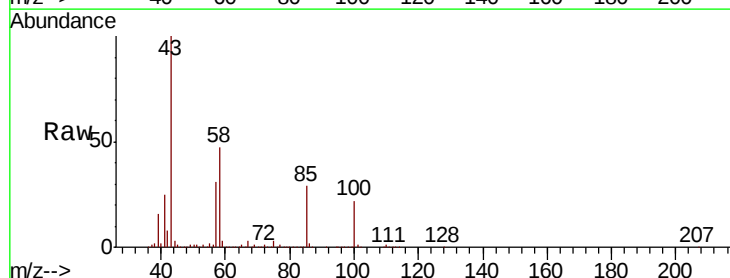
Acq: 18 Aug 2020 15:01

Tgt Ion: 43 Resp: 2256761

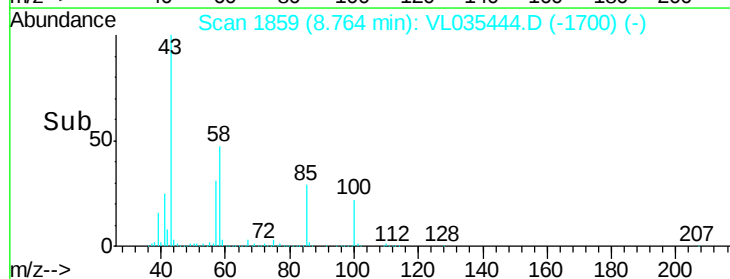
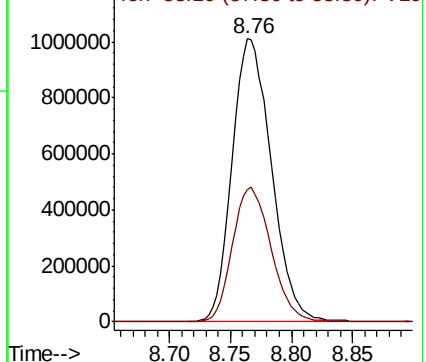
Ion Ratio Lower Upper

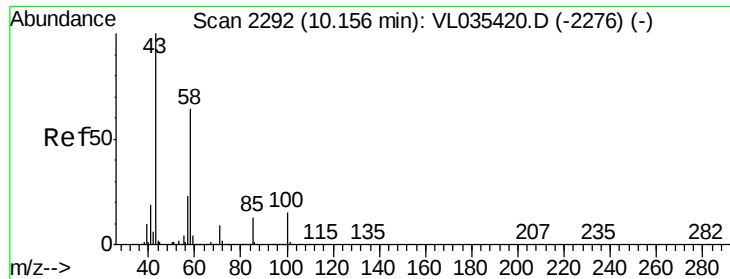
43 100

58 47.0 28.7 43.1#



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0

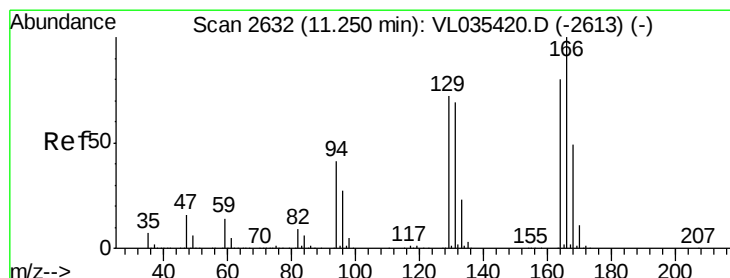
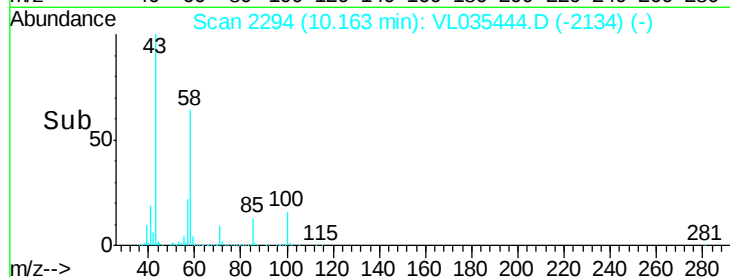
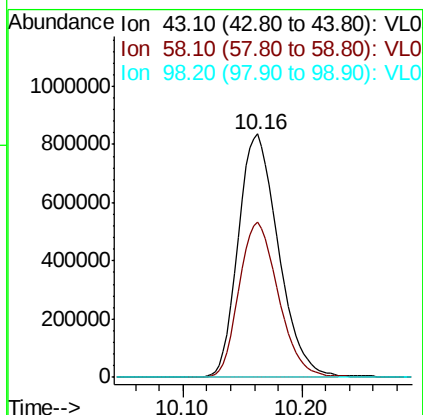
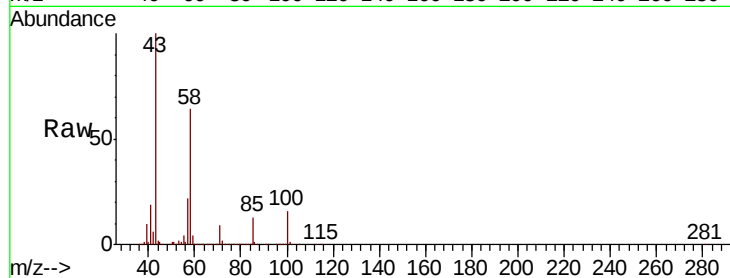




#51
 2-Hexanone
 Concen: 9.674 ppbv
 RT: 10.16 min Scan# 2294
 Delta R.T. 0.01 min
 Lab File: VL035444.D
 Acq: 18 Aug 2020 15:01

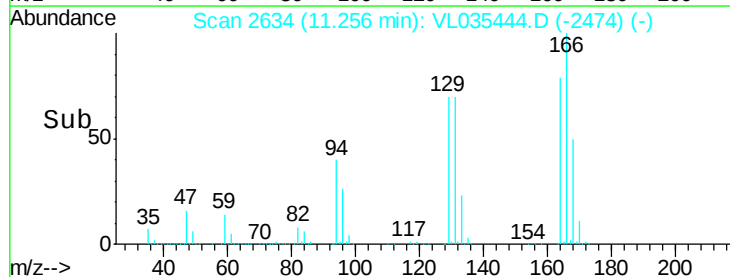
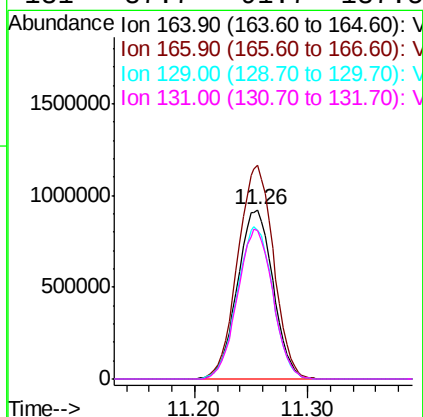
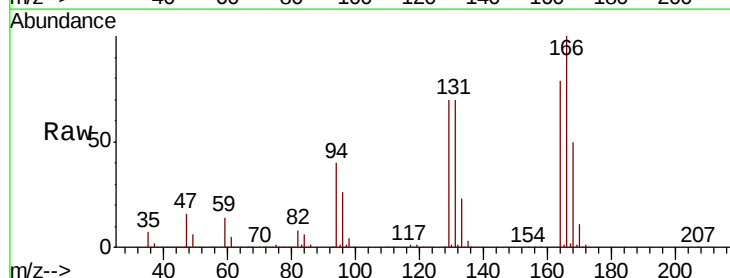
Instrument :
 MSVOA_L
 ClientSampled :

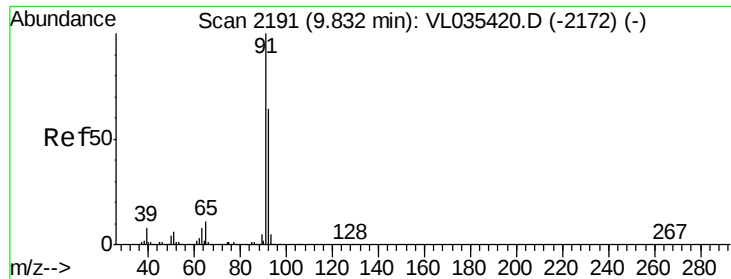
Tot Ion: 43 Resp: 1951269
 Ion Ratio Lower Upper
 43 100
 58 62.9 38.6 58.0#
 98 0.4 0.2 0.2#



#52
 Tetrachloroethene
 Concen: 9.063 ppbv
 RT: 11.26 min Scan# 2634
 Delta R.T. 0.01 min
 Lab File: VL035444.D
 Acq: 18 Aug 2020 15:01

Tgt Ion: 164 Resp: 2025798
 Ion Ratio Lower Upper
 164 100
 166 126.0 103.4 155.0
 129 87.9 90.2 135.4#
 131 87.7 91.7 137.5#





#53

Toluene

Concen: 9.158 ppbv

RT: 9.83 min Scan# 2192

Delta R.T. 0.01 min

Lab File: VL035444.D

Acq: 18 Aug 2020 15:01

Instrument :

MSVOA_L

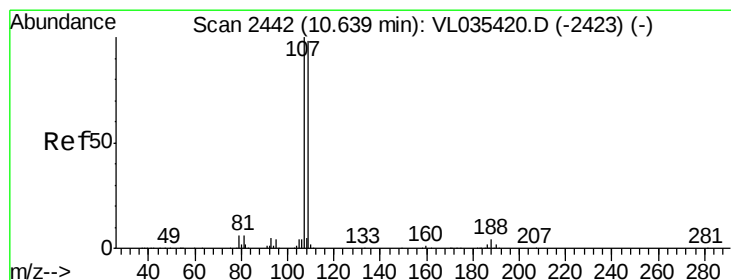
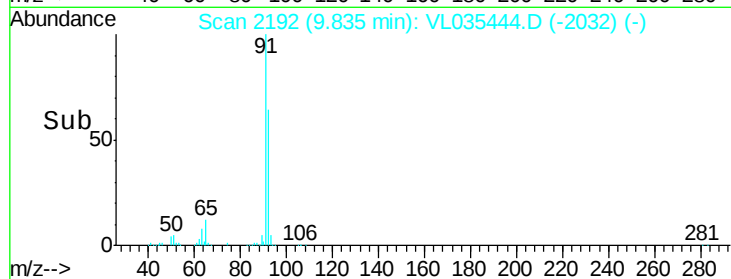
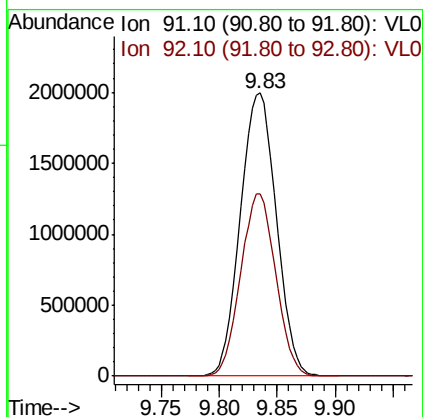
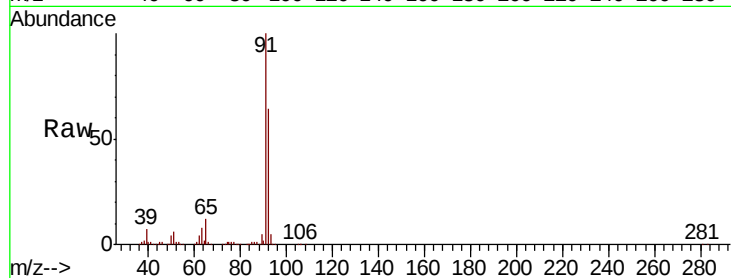
ClientSampleId :

Tot Ion: 91 Resp: 4322301

Ion Ratio Lower Upper

91 100

92 62.7 49.1 73.7



#54

1,2-Dibromoethane

Concen: 9.299 ppbv

RT: 10.64 min Scan# 2443

Delta R.T. 0.01 min

Lab File: VL035444.D

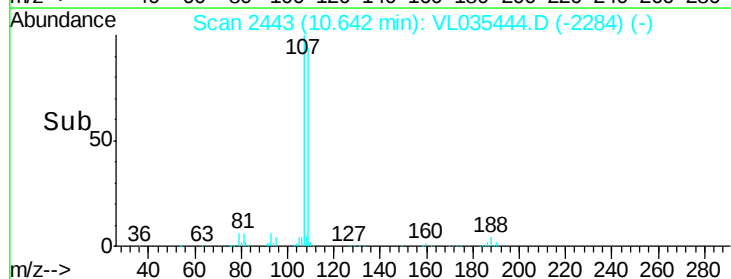
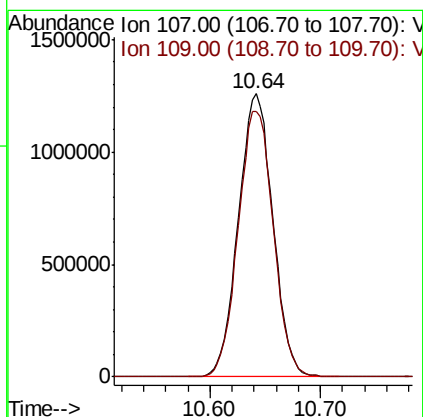
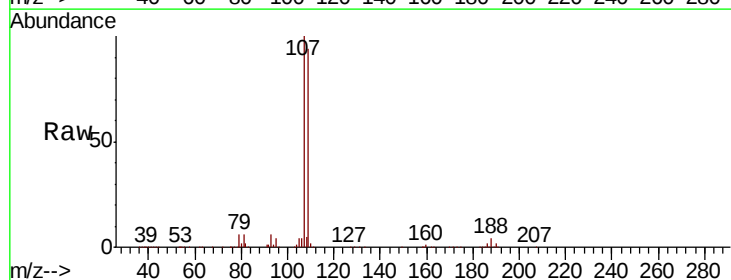
Acq: 18 Aug 2020 15:01

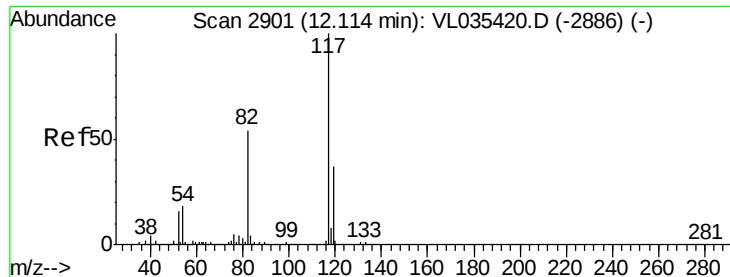
Tgt Ion:107 Resp: 2724422

Ion Ratio Lower Upper

107 100

109 93.7 75.1 112.7

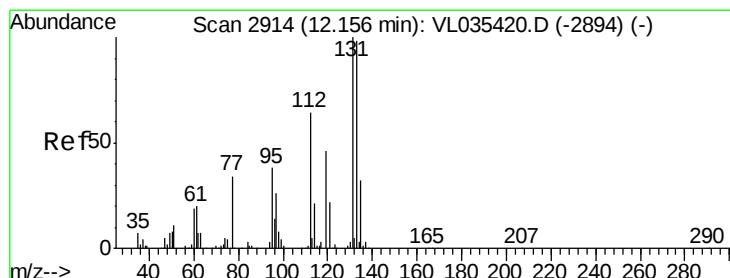
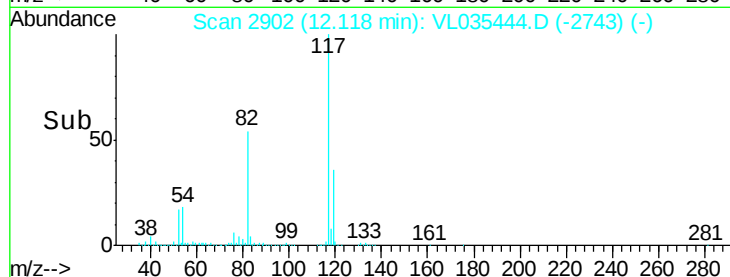
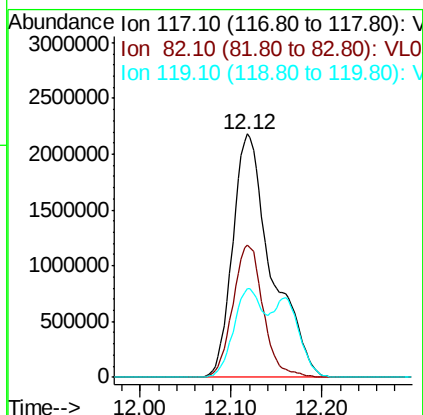
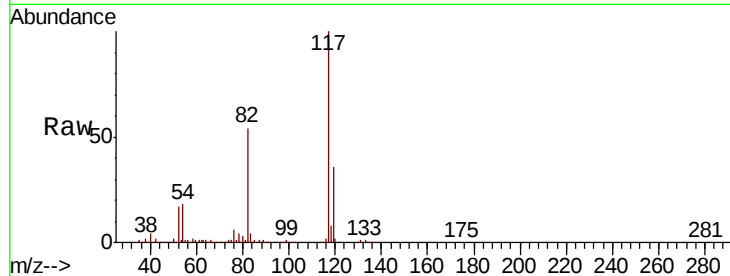




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.12 min Scan# 2902
Delta R.T. 0.01 min
Lab File: VL035444.D
Acq: 18 Aug 2020 15:01

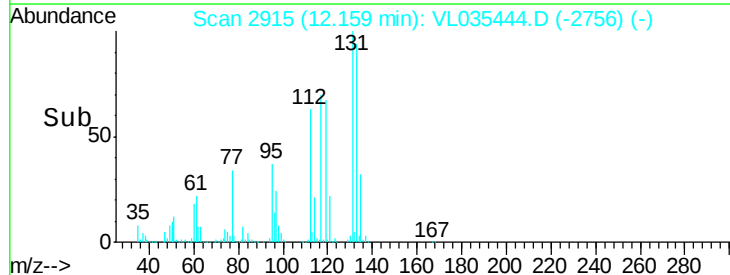
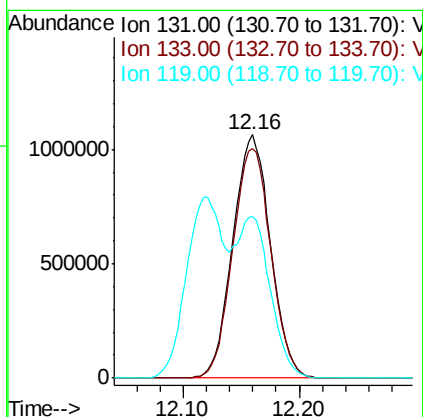
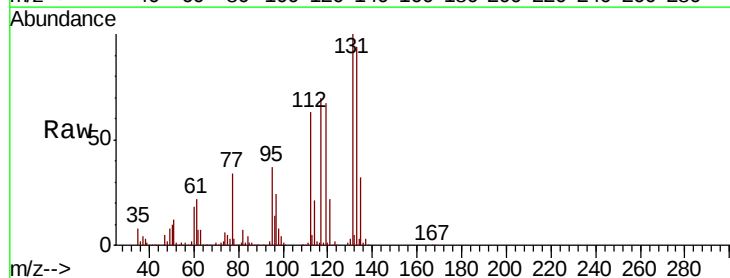
Instrument :
MSVOA_L
ClientSampled :

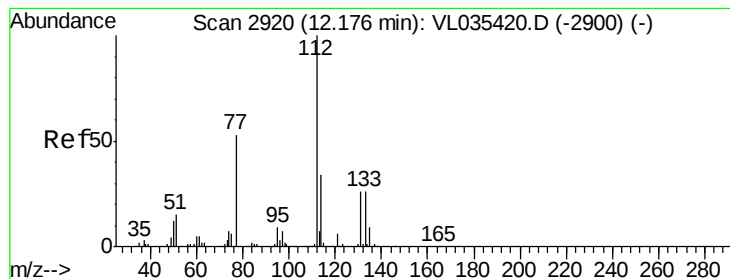
Tot Ion:117 Resp: 6499696
Ion Ratio Lower Upper
117 100
82 42.4 57.4 86.0#
119 29.5 28.4 42.6



#56
1,1,1,2-Tetrachloroethane
Concen: 7.739 ppbv
RT: 12.16 min Scan# 2915
Delta R.T. 0.01 min
Lab File: VL035444.D
Acq: 18 Aug 2020 15:01

Tgt Ion:131 Resp: 2386159
Ion Ratio Lower Upper
131 100
133 96.2 76.1 114.1
119 61.5 50.7 76.1





#57

Chlorobenzene

Concen: 6.995 ppbv

RT: 12.18 min Scan# 2921

Delta R.T. 0.01 min

Lab File: VL035444.D

Acq: 18 Aug 2020 15:01

Instrument :

MSVOA_L

ClientSampleId :

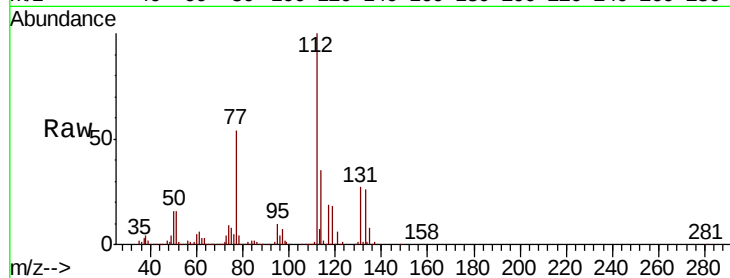
Tot Ion:112 Resp: 3795207

Ion Ratio Lower Upper

112 100

77 54.4 60.6 91.0#

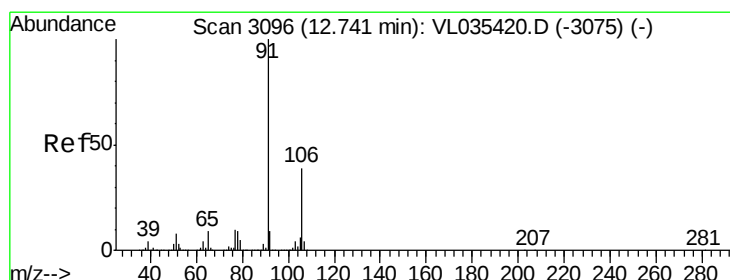
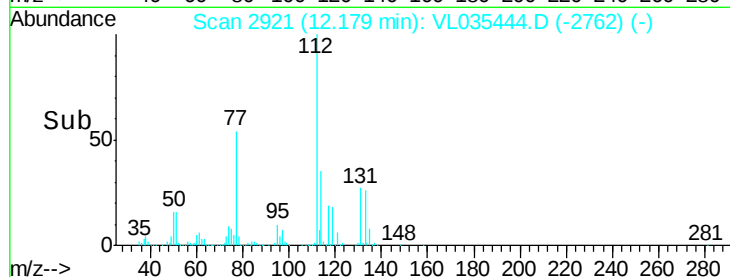
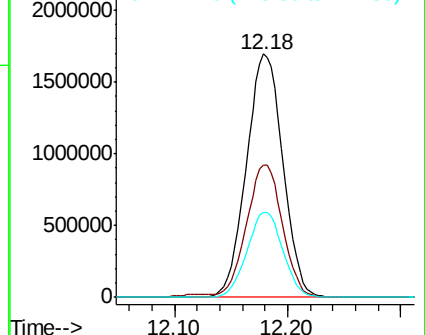
114 35.1 28.5 34.9#



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 7.193 ppbv

RT: 12.74 min Scan# 3097

Delta R.T. 0.01 min

Lab File: VL035444.D

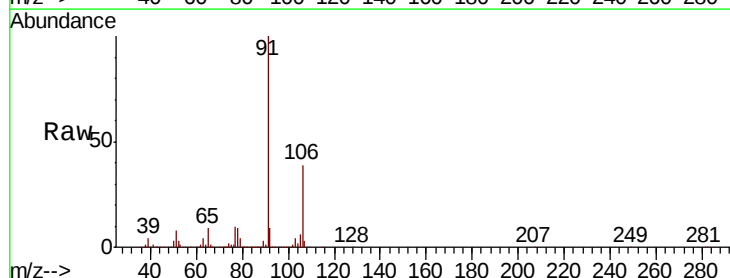
Acq: 18 Aug 2020 15:01

Tgt Ion: 91 Resp: 5643605

Ion Ratio Lower Upper

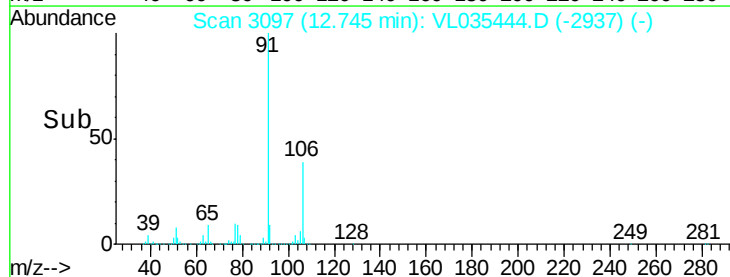
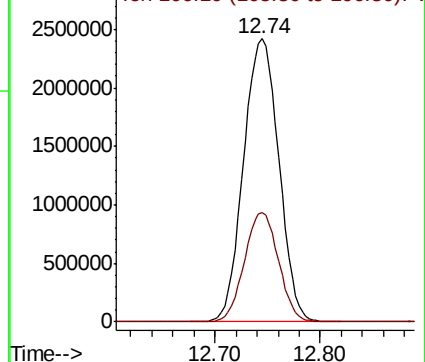
91 100

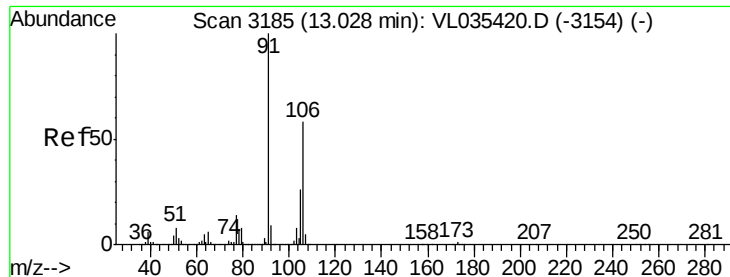
106 38.7 24.1 36.1#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 7.160 ppbv

RT: 13.03 min Scan# 3186

Delta R.T. 0.01 min

Lab File: VL035444.D

Acq: 18 Aug 2020 15:01

Instrument :

MSVOA_L

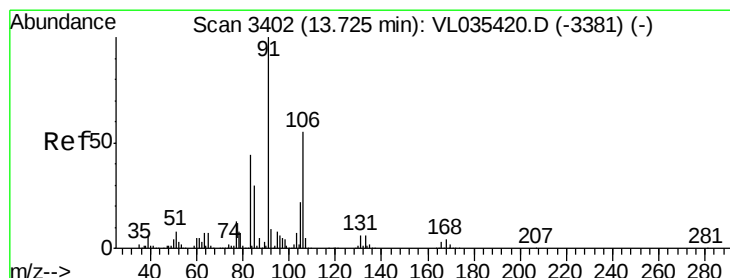
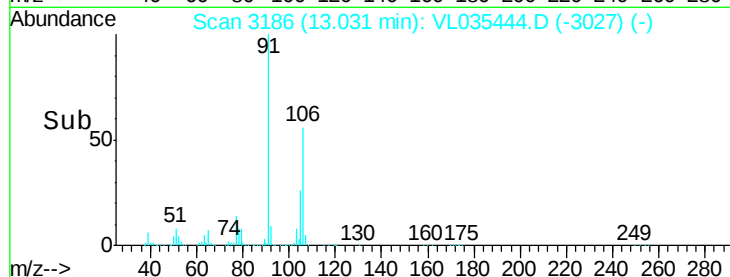
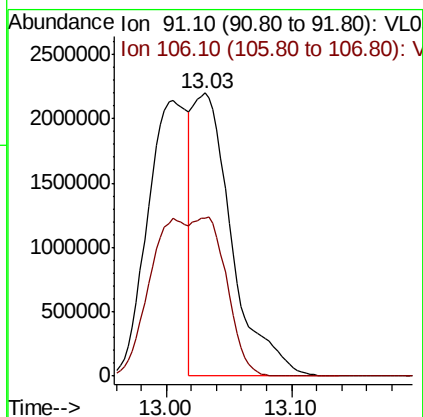
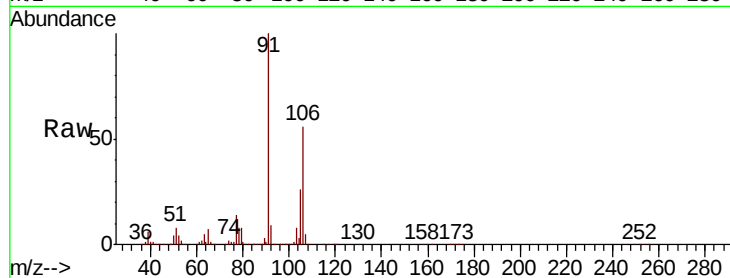
ClientSampleId :

Tot Ion: 91 Resp: 4749088

Ion Ratio Lower Upper

91 100

106 105.0 34.0 51.0#



#60

o-Xylene

Concen: 7.193 ppbv

RT: 13.73 min Scan# 3403

Delta R.T. 0.01 min

Lab File: VL035444.D

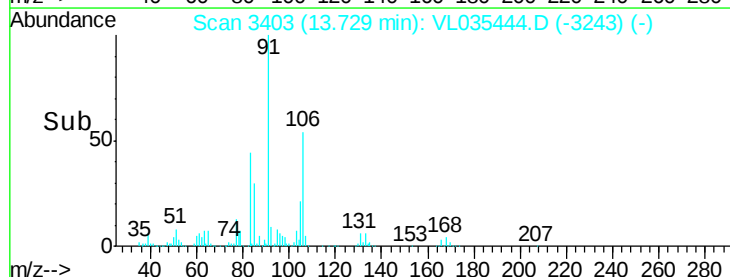
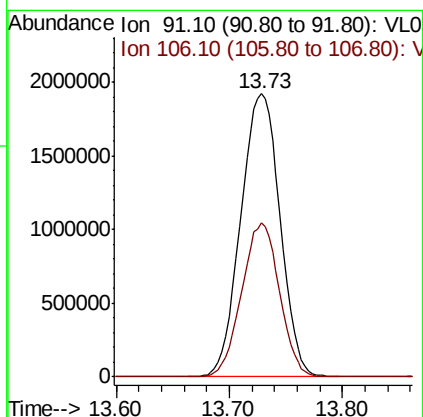
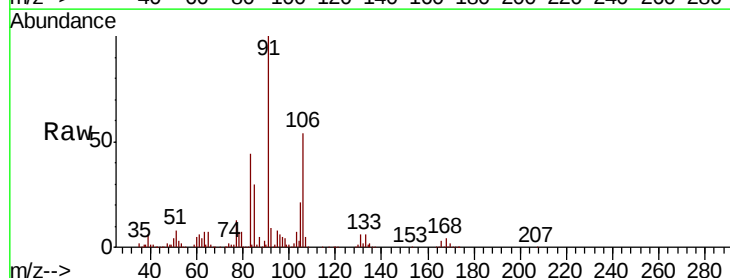
Acq: 18 Aug 2020 15:01

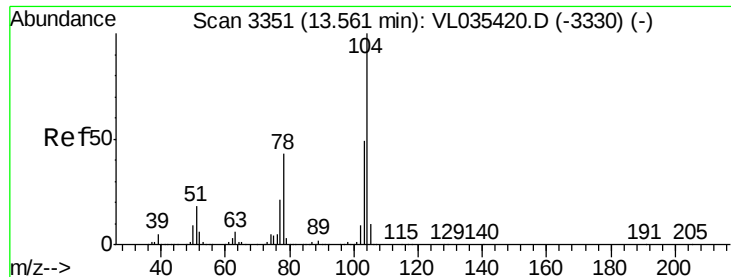
Tgt Ion: 91 Resp: 4636504

Ion Ratio Lower Upper

91 100

106 52.3 21.8 65.3





#61

Stvrene

Concen: 7.576 ppbv

RT: 13.56 min Scan# 3351

Delta R.T. 0.01 min

Lab File: VL035444.D

Acq: 18 Aug 2020 15:01

Instrument :

MSVOA_L

ClientSampleId :

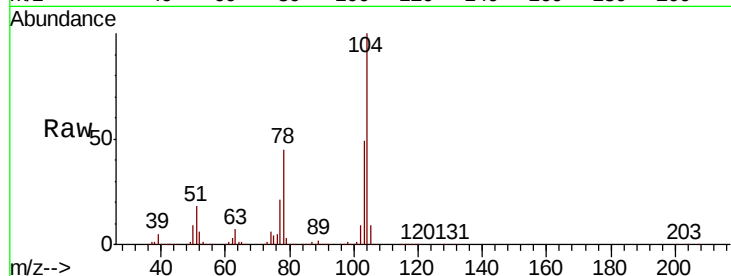
Tot Ion:104 Resp: 3946077

Ion Ratio Lower Upper

104 100

78 43.4 45.4 68.2#

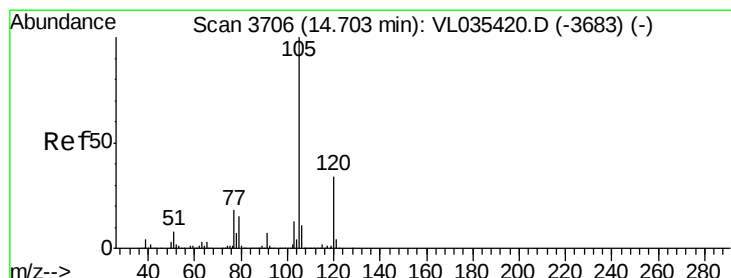
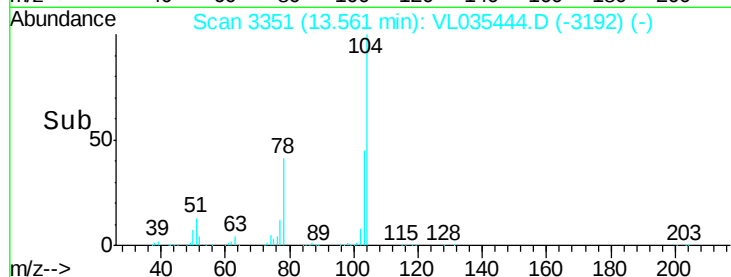
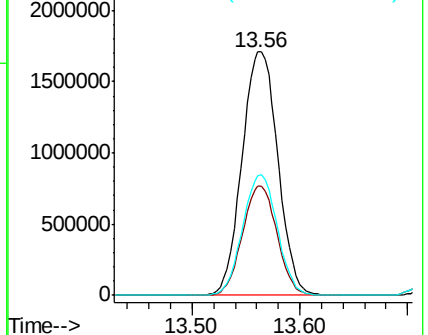
103 48.0 37.8 56.8



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: 6.850 ppbv

RT: 14.71 min Scan# 3707

Delta R.T. 0.01 min

Lab File: VL035444.D

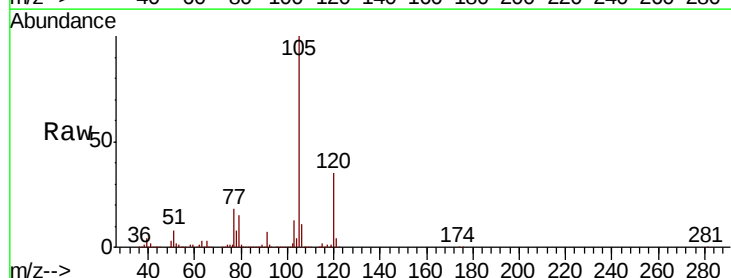
Acq: 18 Aug 2020 15:01

Tgt Ion:105 Resp: 7237179

Ion Ratio Lower Upper

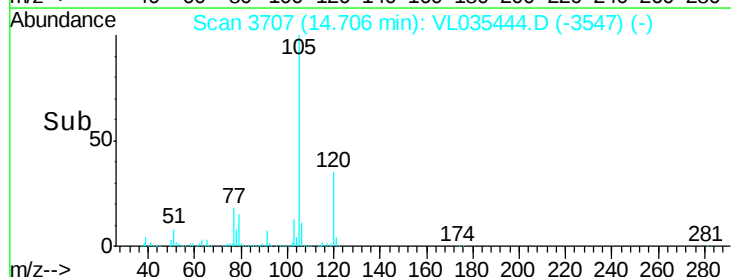
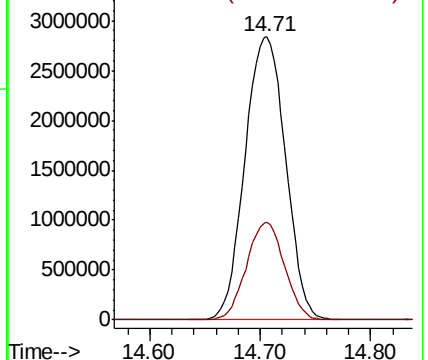
105 100

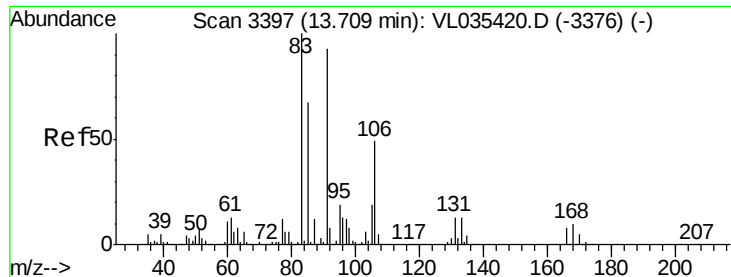
120 32.2 20.3 30.5#



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: 6.986 ppbv

RT: 13.71 min Scan# 3398

Delta R.T. 0.01 min

Lab File: VL035444.D

Acq: 18 Aug 2020 15:01

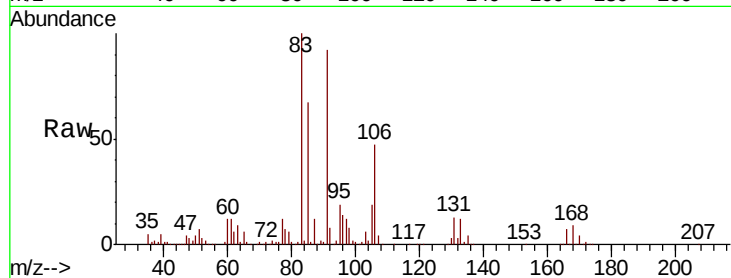
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 83 Resp: 3235096

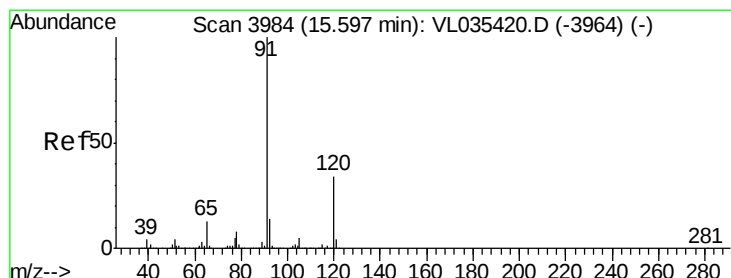
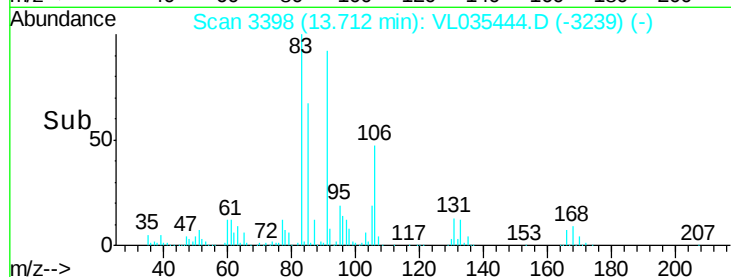
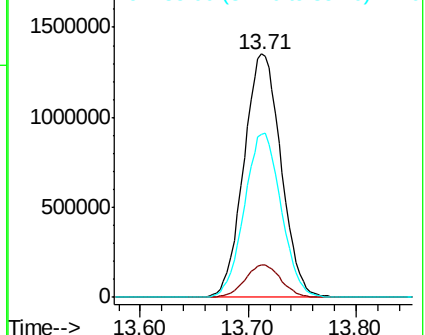
Ion	Ratio	Lower	Upper
83	100		
131	12.8	4.5	13.4
85	66.9	32.7	98.1



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: 7.438 ppbv

RT: 15.60 min Scan# 3985

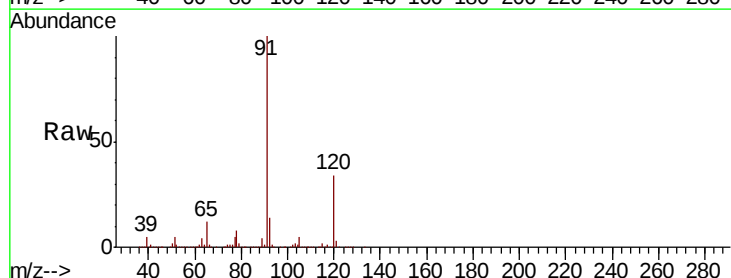
Delta R.T. 0.01 min

Lab File: VL035444.D

Acq: 18 Aug 2020 15:01

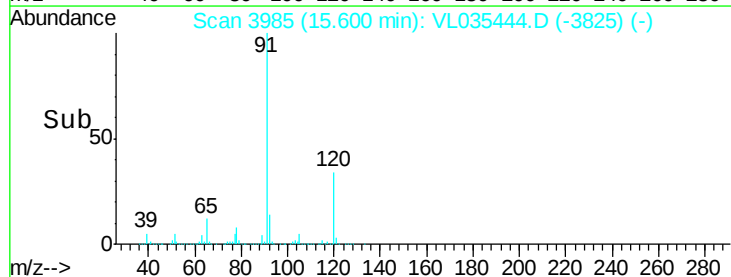
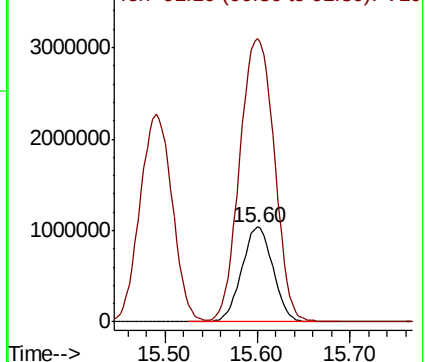
Tgt Ion:120 Resp: 2422158

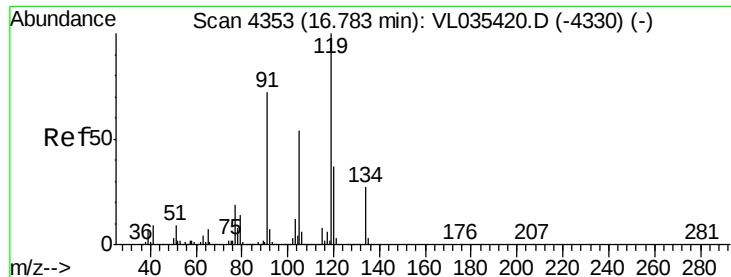
Ion	Ratio	Lower	Upper
120	100		
91	333.0	385.5	578.3



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 6.877 ppbv

RT: 16.78 min Scan# 4353

Delta R.T. 0.01 min

Lab File: VL035444.D

Acq: 18 Aug 2020 15:01

Instrument :

MSVOA_L

ClientSampleId :

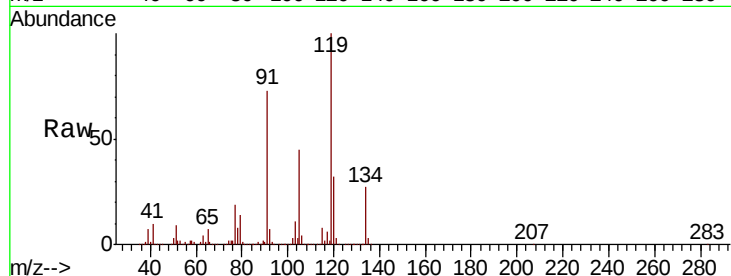
Tot Ion:119 Resp: 7060764

Ion Ratio Lower Upper

119 100

91 71.9 72.0 108.0#

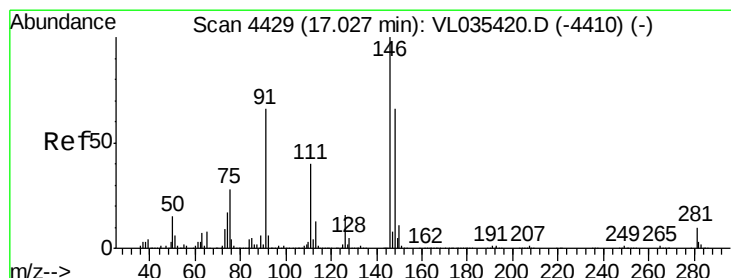
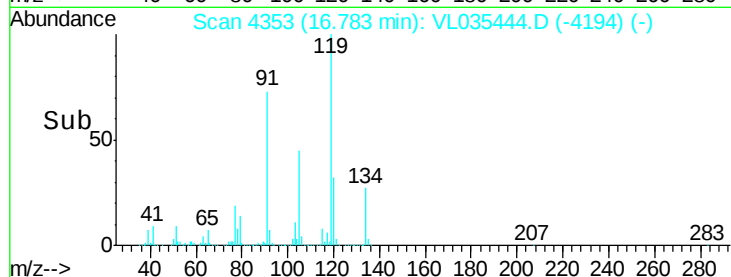
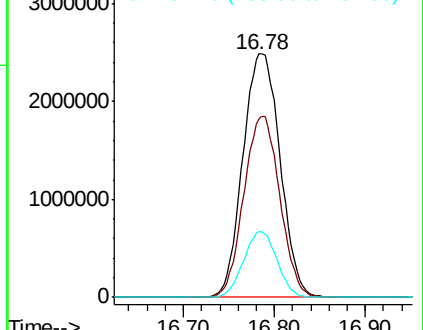
134 24.2 15.7 23.5#



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: 10.107 ppbv

RT: 17.03 min Scan# 4430

Delta R.T. 0.01 min

Lab File: VL035444.D

Acq: 18 Aug 2020 15:01

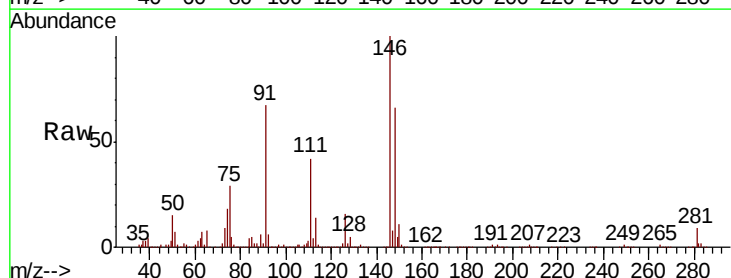
Tgt Ion: 91 Resp: 2496005

Ion Ratio Lower Upper

91 100

126 22.4 13.3 19.9#

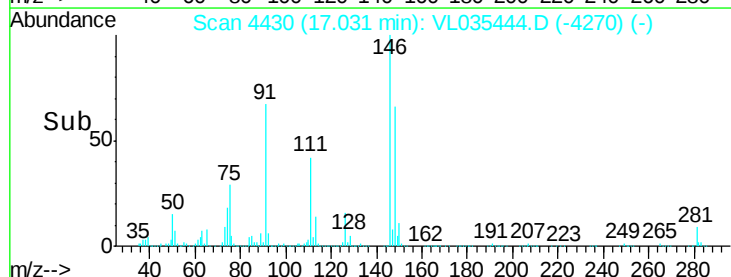
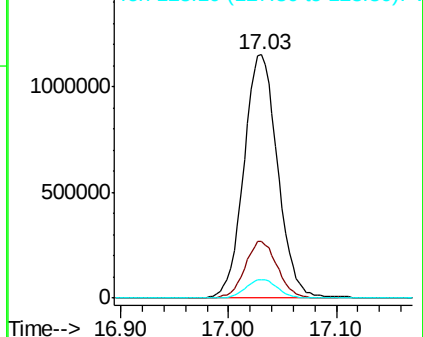
128 7.3 4.1 6.1#

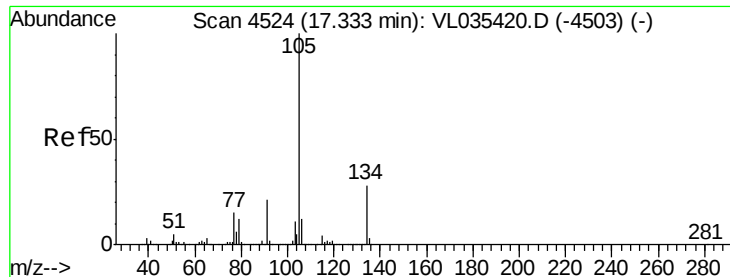


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 6.631 ppbv

RT: 17.34 min Scan# 4525

Delta R.T. 0.01 min

Lab File: VL035444.D

Acq: 18 Aug 2020 15:01

Instrument :

MSVOA_L

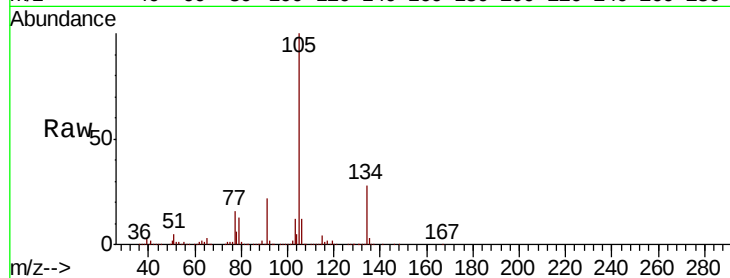
ClientSampleId :

Tot Ion:105 Resp: 8960329

Ion Ratio Lower Upper

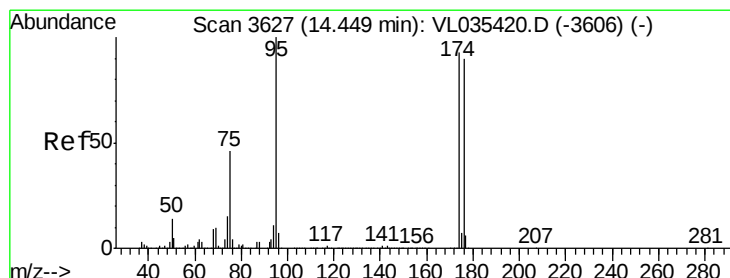
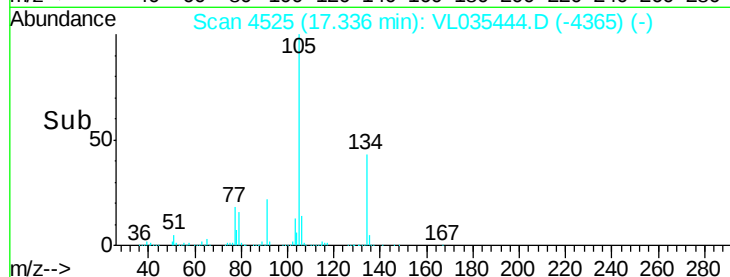
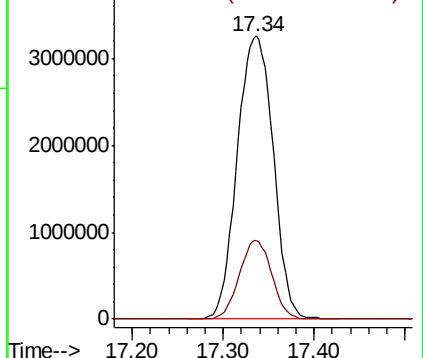
105 100

134 25.1 14.1 21.1#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 8.085 ppbv

RT: 14.45 min Scan# 3628

Delta R.T. 0.01 min

Lab File: VL035444.D

Acq: 18 Aug 2020 15:01

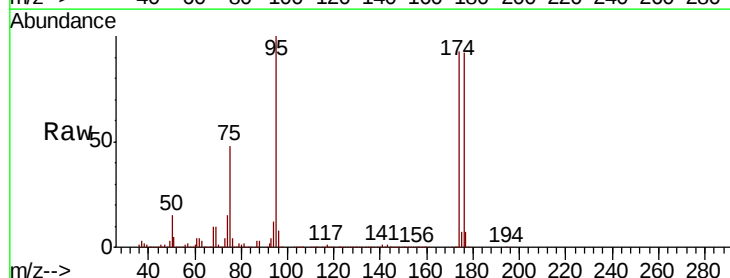
Tgt Ion: 95 Resp: 3678891

Ion Ratio Lower Upper

95 100

174 94.4 44.0 66.0#

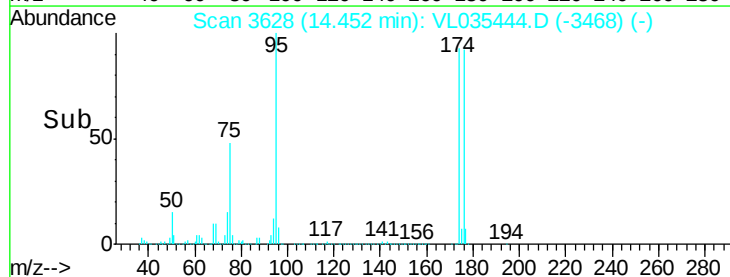
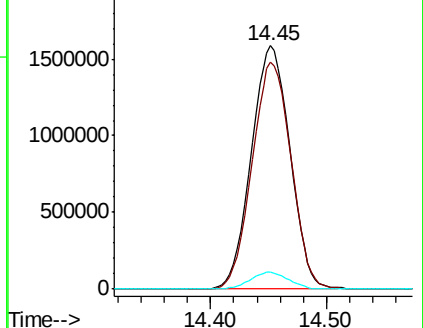
175 7.0 3.2 4.8#

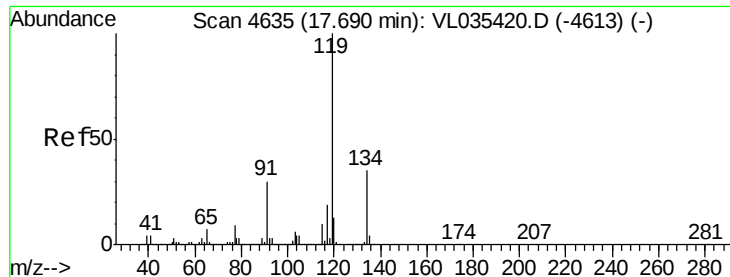


Abundance Ion 95.10 (94.80 to 95.80): V

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

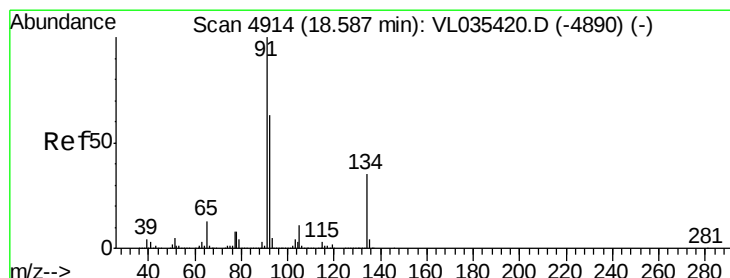
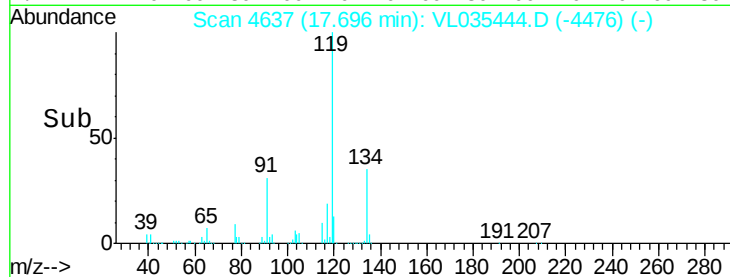
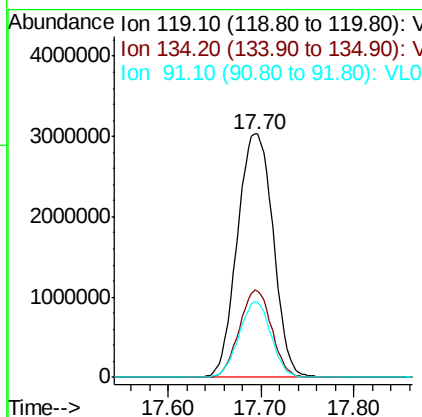
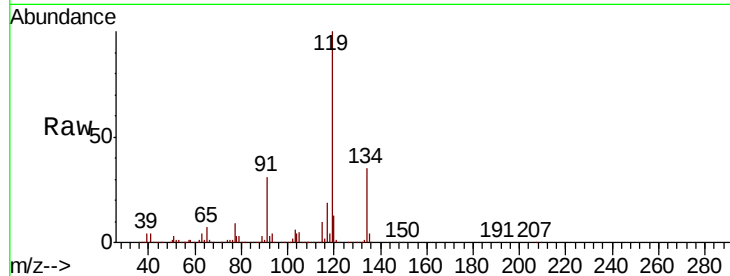




#69
 p-Isopropyltoluene
 Concen: 6.769 ppbv
 RT: 17.70 min Scan# 4637
 Delta R.T. 0.02 min
 Lab File: VL035444.D
 Acq: 18 Aug 2020 15:01

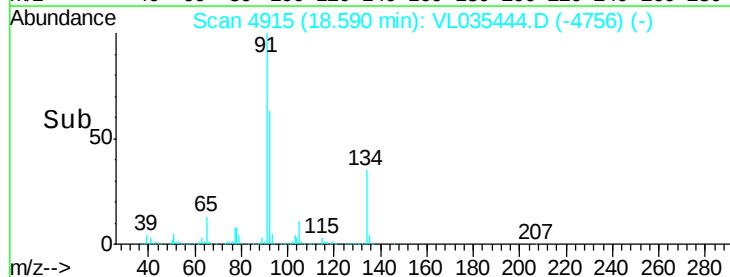
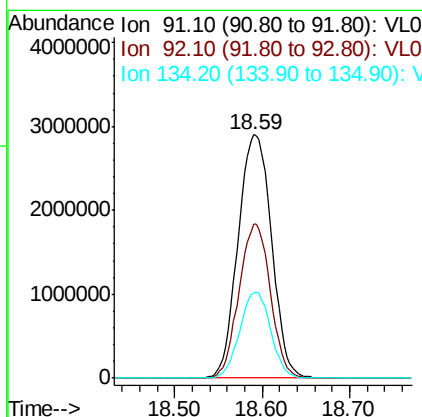
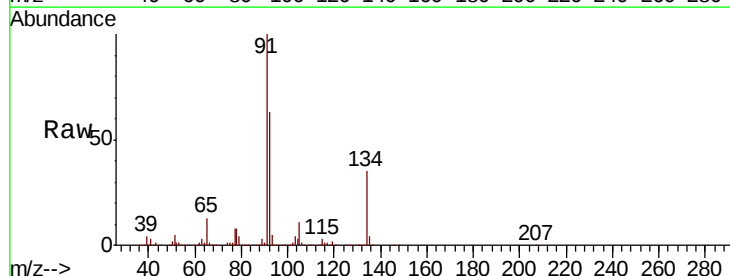
Instrument :
 MSVOA_L
 ClientSampleId :

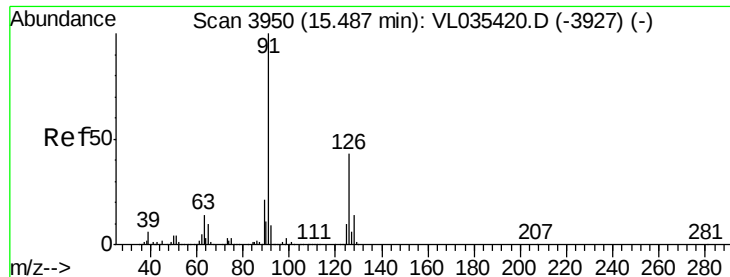
Tot Ion:119 Resp: 8115665
 Ion Ratio Lower Upper
 119 100
 134 32.4 20.6 30.8#
 91 27.9 26.6 39.8



#70
 n-Butylbenzene
 Concen: 6.789 ppbv
 RT: 18.59 min Scan# 4915
 Delta R.T. 0.01 min
 Lab File: VL035444.D
 Acq: 18 Aug 2020 15:01

Tgt Ion: 91 Resp: 7688084
 Ion Ratio Lower Upper
 91 100
 92 59.5 44.8 67.2
 134 32.7 17.3 25.9#





#71

2-Chlorotoluene

Concen: 7.179 ppbv

RT: 15.49 min Scan# 3951

Delta R.T. 0.01 min

Lab File: VL035444.D

Acq: 18 Aug 2020 15:01

Instrument :

MSVOA_L

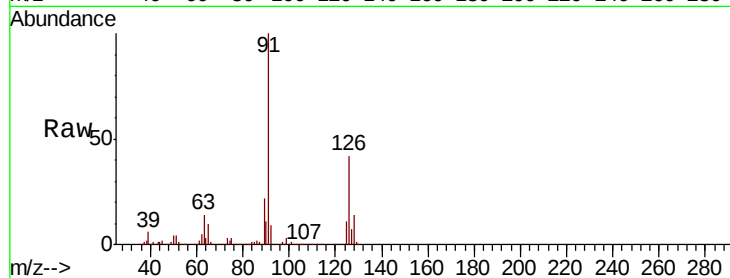
ClientSampleId :

Tot Ion: 91 Resp: 5503271

Ion Ratio Lower Upper

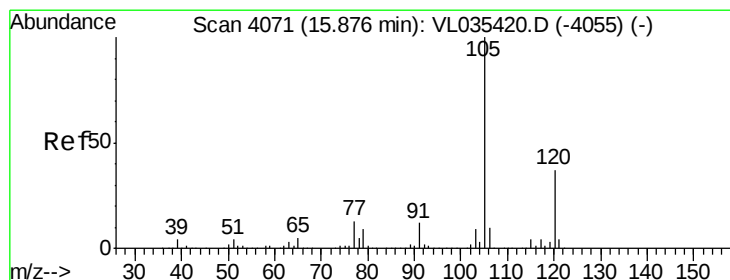
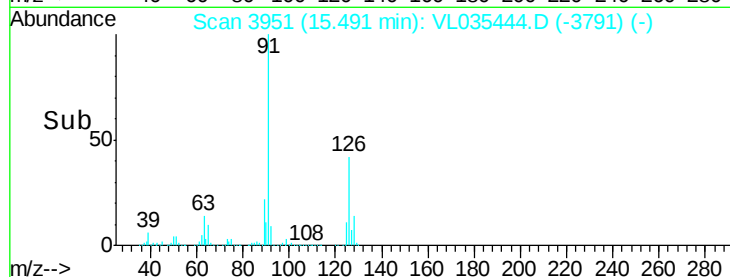
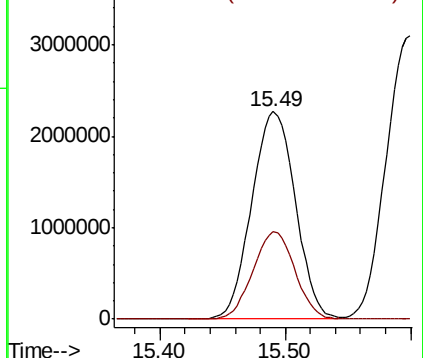
91 100

126 40.5 11.4 45.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 7.211 ppbv

RT: 15.88 min Scan# 4071

Delta R.T. 0.01 min

Lab File: VL035444.D

Acq: 18 Aug 2020 15:01

Tgt Ion:105 Resp: 6100635

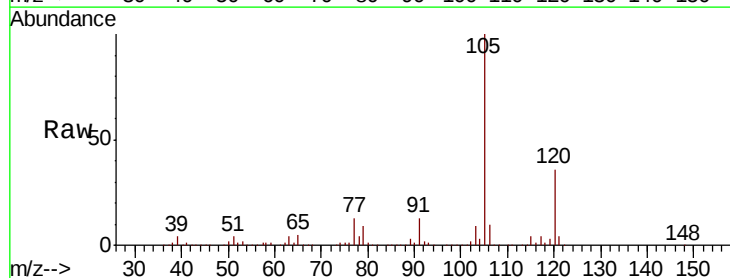
Ion Ratio Lower Upper

105 100

120 35.1 22.7 34.1#

91 12.1 10.8 16.2

77 11.8 11.9 17.9#

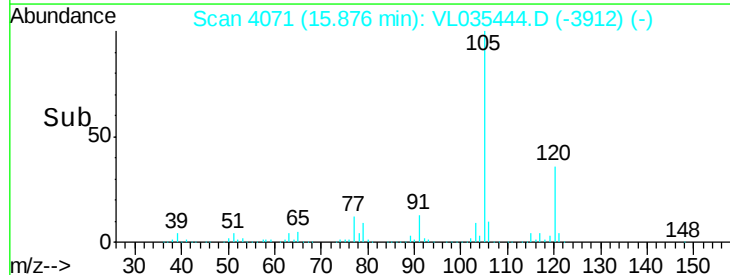
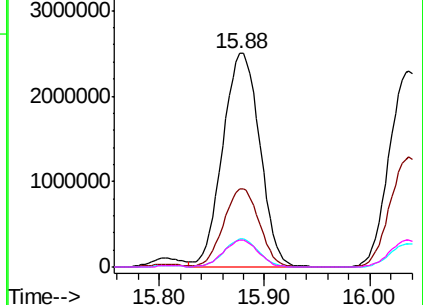


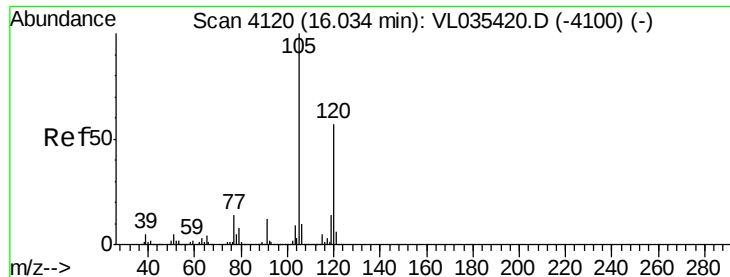
Abundance Ion 105.10 (104.80 to 105.80): V

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





#73

1,3,5-Trimethylbenzene

Concen: 7.185 ppbv

RT: 16.04 min Scan# 4121

Delta R.T. 0.01 min

Lab File: VL035444.D

Acq: 18 Aug 2020 15:01

Instrument :

MSVOA_L

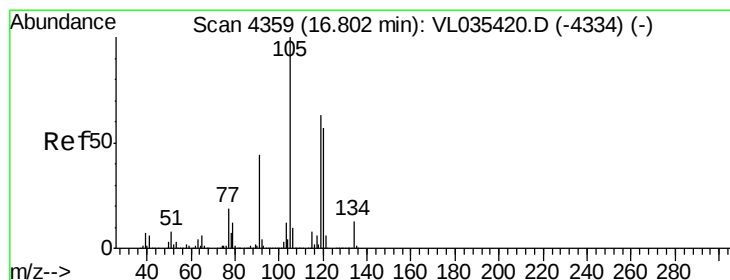
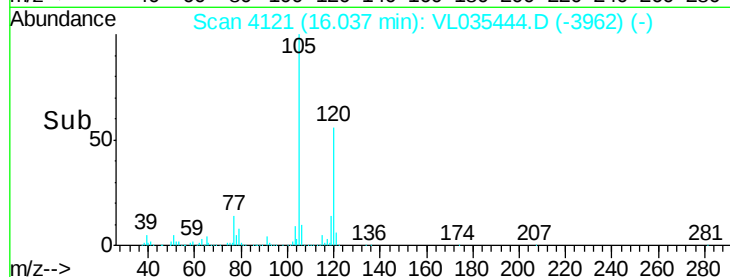
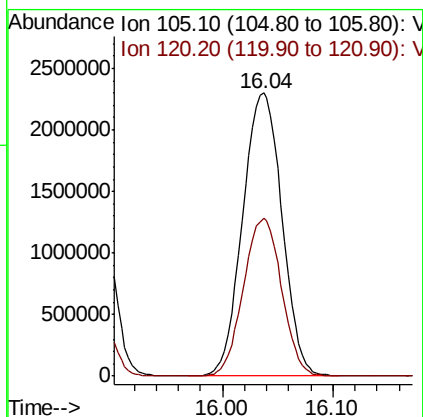
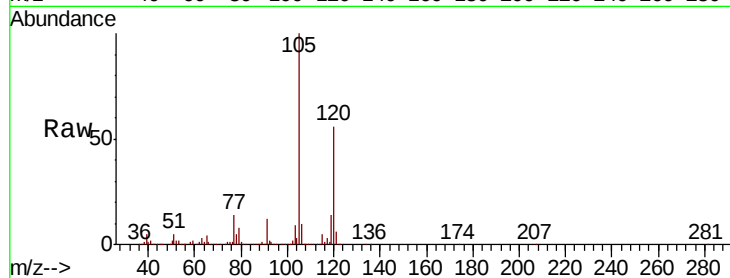
ClientSampleId :

Tot Ion:105 Resp: 5656033

Ion Ratio Lower Upper

105 100

120 56.0 35.6 53.4#



#74

1,2,4-Trimethylbenzene

Concen: 6.854 ppbv

RT: 16.81 min Scan# 4360

Delta R.T. 0.01 min

Lab File: VL035444.D

Acq: 18 Aug 2020 15:01

Tgt Ion:105 Resp: 5862127

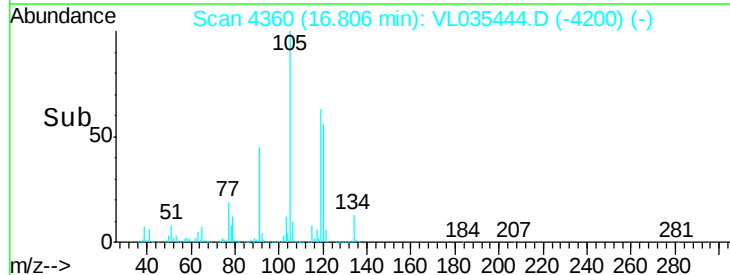
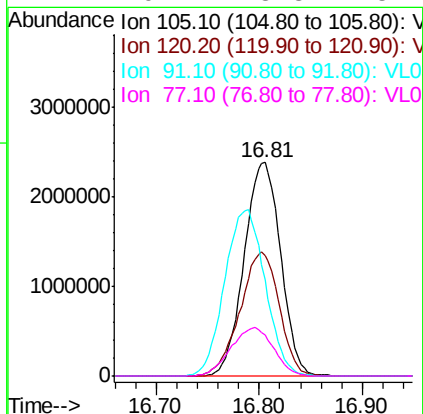
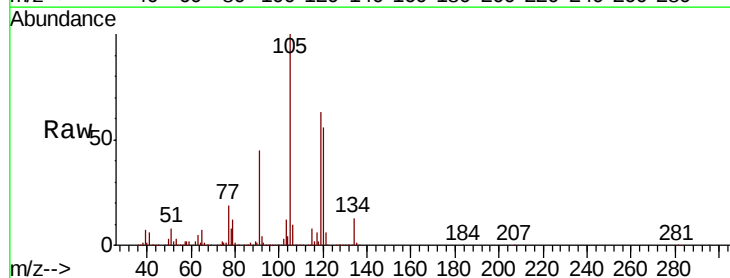
Ion Ratio Lower Upper

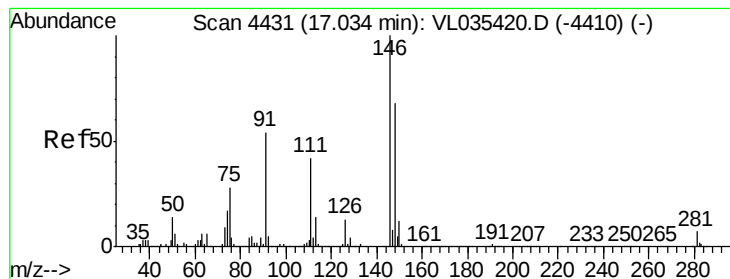
105 100

120 56.4 37.8 56.8

91 44.8 40.0 60.0

77 19.1 18.8 28.2





#75

1,3-Dichlorobenzene

Concen: 6.890 ppbv

RT: 17.04 min Scan# 4432

Delta R.T. 0.01 min

Lab File: VL035444.D

Acq: 18 Aug 2020 15:01

Instrument :

MSVOA_L

ClientSampleId :

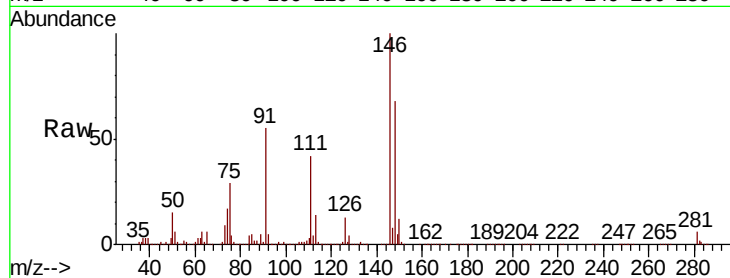
Tot Ion:146 Resp: 4551484

Ion Ratio Lower Upper

146 100

111 40.3 25.6 76.8

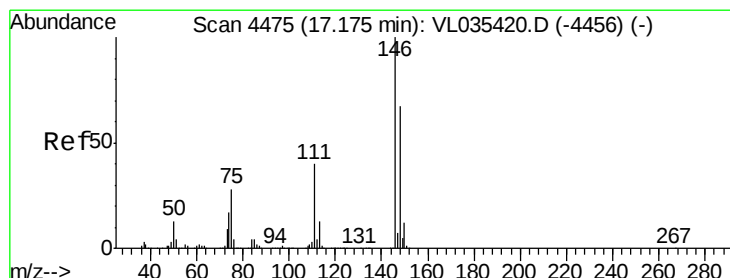
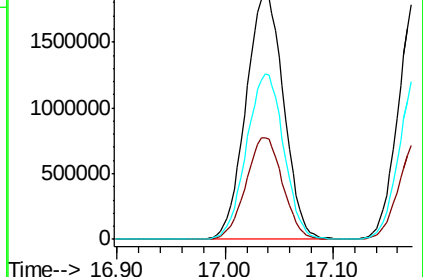
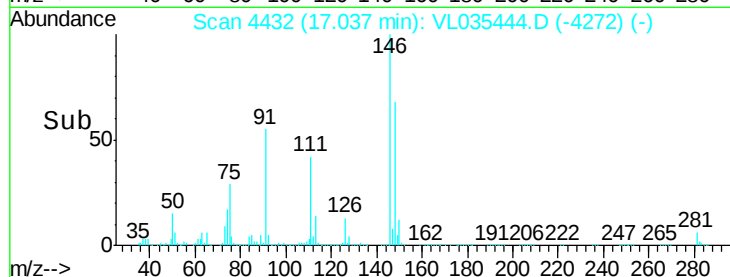
148 66.5 32.3 96.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 7.080 ppbv

RT: 17.18 min Scan# 4476

Delta R.T. 0.01 min

Lab File: VL035444.D

Acq: 18 Aug 2020 15:01

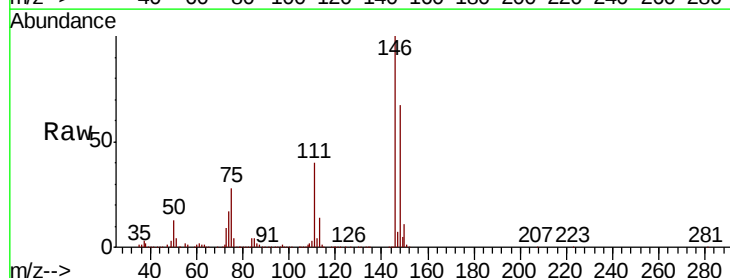
Tgt Ion:146 Resp: 4609145

Ion Ratio Lower Upper

146 100

111 39.3 24.8 74.4

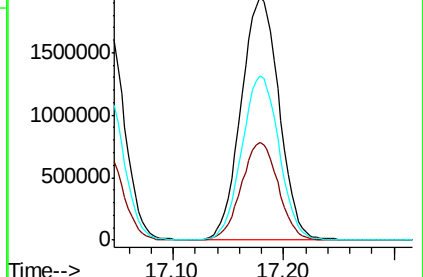
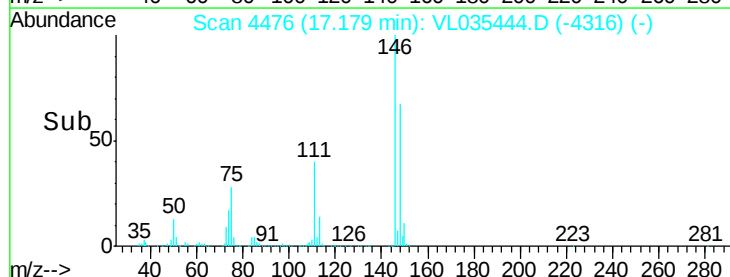
148 66.9 32.1 96.3

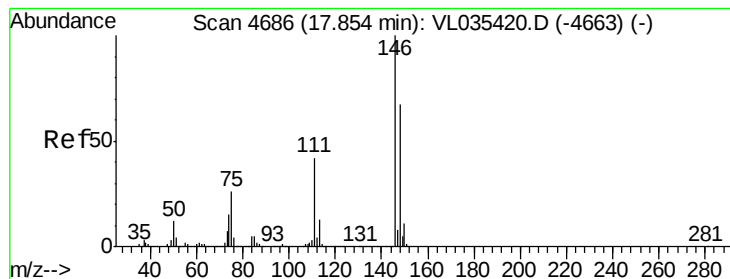


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 6.983 ppbv

RT: 17.86 min Scan# 4688

Delta R.T. 0.01 min

Lab File: VL035444.D

Acq: 18 Aug 2020 15:01

Instrument :

MSVOA_L

ClientSampleId :

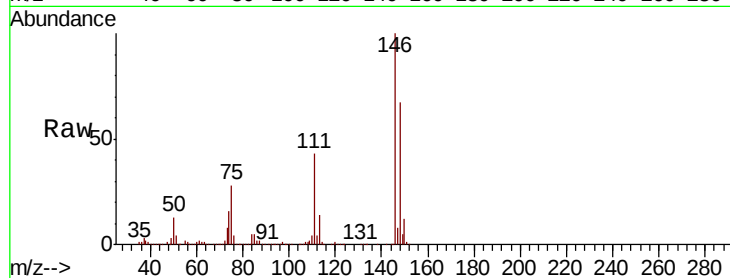
Tot Ion:146 Resp: 4518496

Ion Ratio Lower Upper

146 100

111 41.6 26.3 78.9

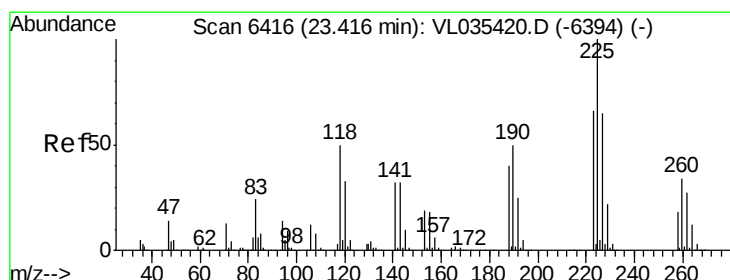
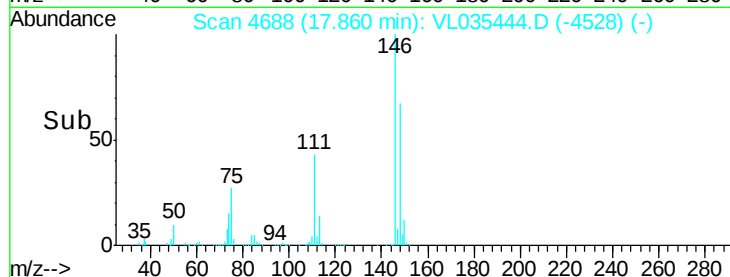
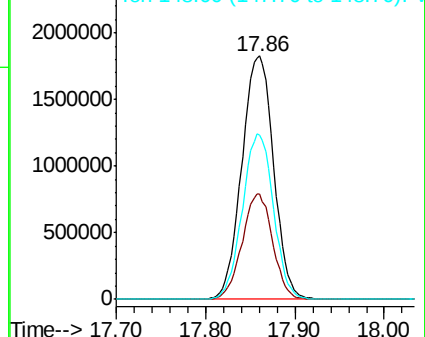
148 66.7 32.0 96.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 6.755 ppbv

RT: 23.42 min Scan# 6417

Delta R.T. 0.01 min

Lab File: VL035444.D

Acq: 18 Aug 2020 15:01

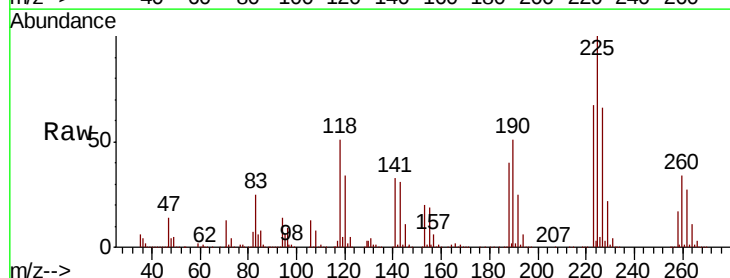
Tgt Ion:225 Resp: 3455733

Ion Ratio Lower Upper

225 100

223 65.3 50.3 75.5

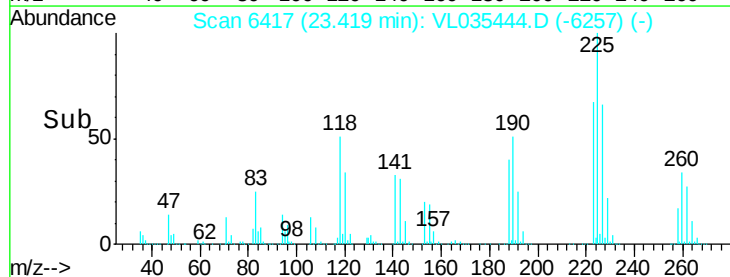
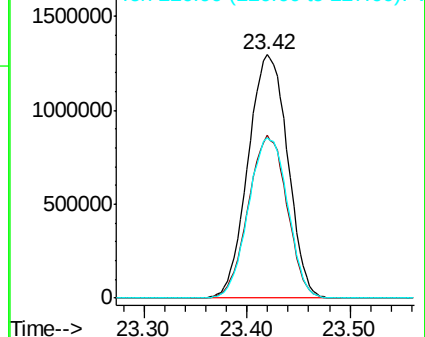
227 65.4 51.0 76.6

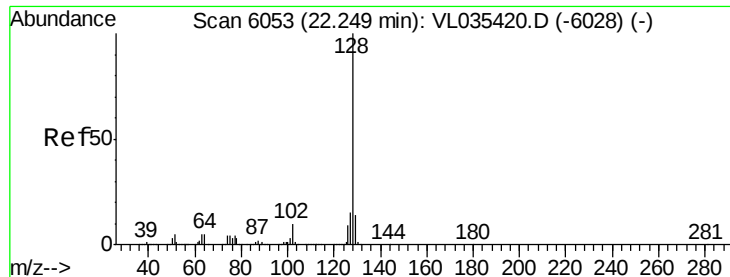


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 7.042 ppbv

RT: 22.25 min Scan# 6054

Delta R.T. 0.01 min

Lab File: VL035444.D

Acq: 18 Aug 2020 15:01

Instrument :

MSVOA_L

ClientSampleId :

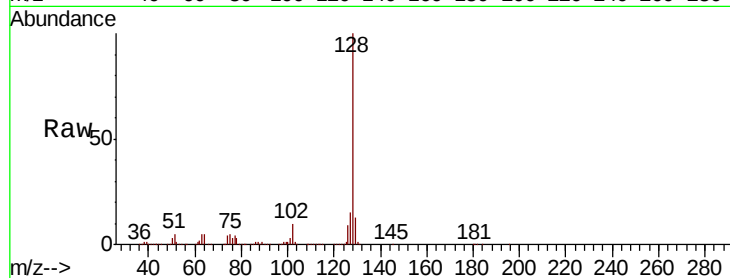
Tot Ion:128 Resp: 8481092

Ion Ratio Lower Upper

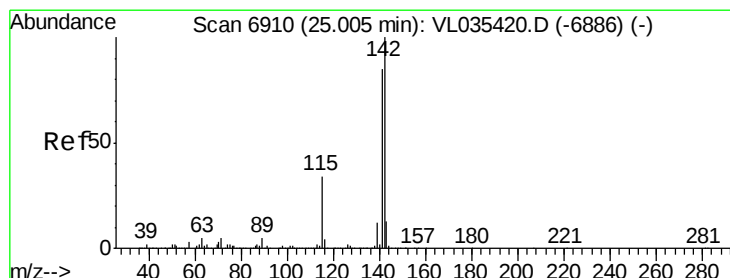
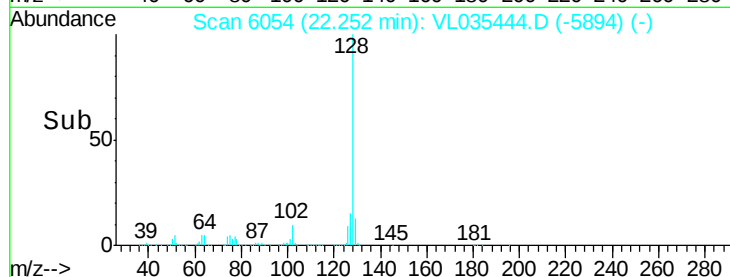
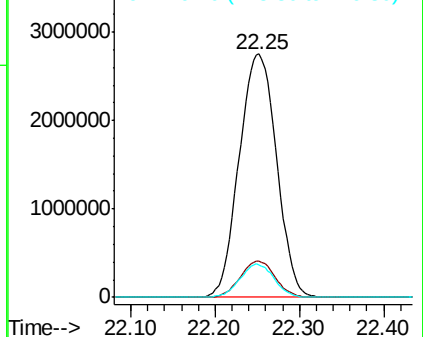
128 100

127 14.8 11.4 17.0

129 13.5 9.5 14.3



Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 8.592 ppbv

RT: 25.01 min Scan# 6911

Delta R.T. 0.01 min

Lab File: VL035444.D

Acq: 18 Aug 2020 15:01

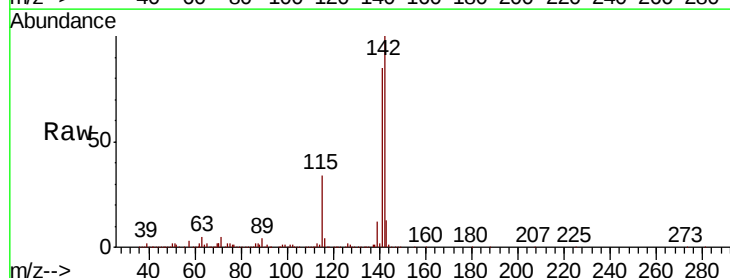
Tgt Ion:142 Resp: 4276517

Ion Ratio Lower Upper

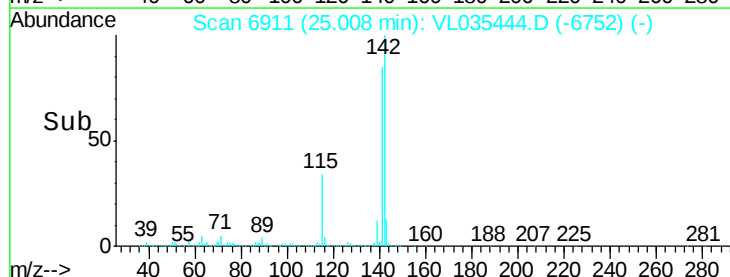
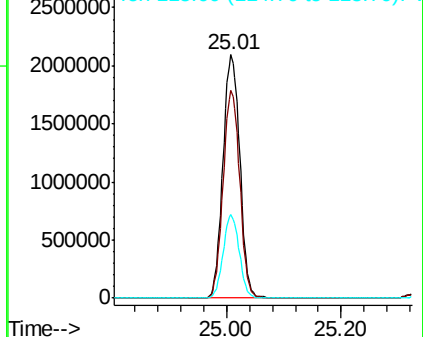
142 100

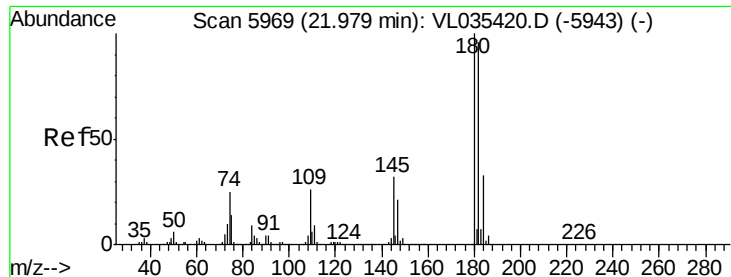
141 84.2 67.1 100.7

115 32.7 36.1 54.1#



Abundance Ion 142.00 (141.70 to 142.70): V
Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V





#81

1,2,4-Trichlorobenzene

Concen: 7.044 ppbv

RT: 21.98 min Scan# 5969

Delta R.T. 0.01 min

Lab File: VL035444.D

Acq: 18 Aug 2020 15:01

Instrument :

MSVOA_L

ClientSampleId :

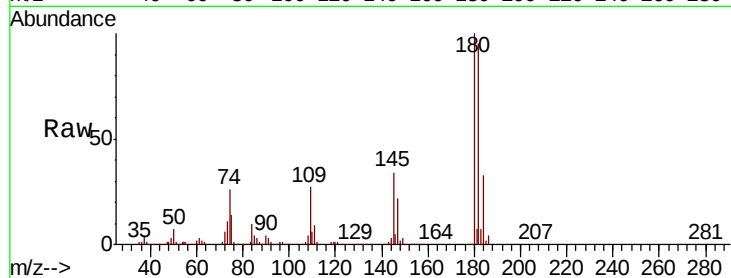
Tot Ion:180 Resp: 5114207

Ion Ratio Lower Upper

180 100

182 96.0 76.6 115.0

184 32.4 24.8 37.2



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

