

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL082720\
 Data File : VL035512.D
 Acq On : 27 Aug 2020 6:41
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICSVVL082720

Quant Time: Aug 27 07:09:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Aug 27 06:46:28 2020
 QLast Update : Thu Aug 27 06:46:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1028310	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	4660562	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	5940573	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	3431468	8.13	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	81.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	1790817	10.049	ppbv	99
3) Chlorodifluoromethane	2.99	51	1110114	9.761	ppbv	99
4) Chloromethane	3.14	50	582694	9.563	ppbv	99
5) Vinyl Chloride	3.26	62	710041	9.452	ppbv	100
6) Bromomethane	3.48	94	627007	9.937	ppbv	98
7) Chloroethane	3.56	64	268330	10.103	ppbv	99
8) Dichlorotetrafluoroethane	3.19	85	2088634	9.678	ppbv	100
9) Propene	3.01	41	436808	9.963	ppbv	99
10) Heptane	8.15	43	1190273	10.107	ppbv	99
11) Trichlorofluoromethane	3.96	101	2478485	9.537	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1885079	9.611	ppbv	100
13) Ethanol	3.61	45	109701	10.091	ppbv	97
14) Bromoethene	3.75	108	879550	10.418	ppbv	99
15) Acetone	3.86	43	926468	8.169	ppbv	100
16) 1,3-Butadiene	3.33	39	429513	10.174	ppbv	100
17) tert-Butyl alcohol	4.30	59	1448674	10.494	ppbv	100
18) 1,1-Dichloroethene	4.30	96	873433	10.112	ppbv	98
19) Isopropyl Alcohol	3.98	45	731085	10.806	ppbv	99
20) Methylene Chloride	4.35	84	759331	8.989	ppbv	98
21) Allyl Chloride	4.42	41	570010	10.728	ppbv	98
22) trans-1,2-Dichloroethene	4.90	96	924742	10.057	ppbv	98
23) Vinyl Acetate	5.09	43	1496400	10.280	ppbv	99
24) 1,1-Dichloroethane	5.02	63	1490119	9.947	ppbv	99
25) Ethyl Acetate	5.69	43	1928859	9.627	ppbv	99
26) Hexane	5.70	57	1122045	9.884	ppbv	98
27) Carbon Disulfide	4.56	76	1850853	11.361	ppbv	99
28) Methyl tert-Butyl Ether	5.05	73	2100026	10.614	ppbv	100
29) Chloroform	5.77	83	2284749	9.878	ppbv	100
30) Cyclohexane	7.15	84	1304184	10.724	ppbv	99
31) cis-1,2-Dichloroethene	5.56	61	1229384	10.555	ppbv	99
32) 1,1,1-Trichloroethane	6.53	97	2321247	10.345	ppbv	99
34) 2-Butanone	5.26	43	1344395	9.720	ppbv	99
35) Carbon Tetrachloride	7.04	117	2437741	10.407	ppbv	100
36) Benzene	6.91	78	2980965	9.881	ppbv	99
37) 1,2-Dichloroethane	6.33	62	1393368	9.688	ppbv	100
38) Trichloroethene	7.86	130	1577456	9.002	ppbv	98
39) 1,2-Dichloropropane	7.64	63	997015	9.783	ppbv	98
40) 1,4-Dioxane	7.85	88	541420	10.635	ppbv	# 1
41) Tetrahydrofuran	6.07	42	768424	10.477	ppbv	98
42) Bromodichloromethane	7.82	83	2438387	10.484	ppbv	100
43) Methyl Methacrylate	8.04	69	1220924	10.466	ppbv	100

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Quant Time: Aug 27 07:09:30 2020
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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	3767706	9.492	ppbv	100
45) t-1,3-Dichloropropene	9.31	75	1396963	11.821	ppbv	100
46) cis-1,3-Dichloropropene	8.73	75	1662126	11.328	ppbv	97
47) 1,1,2-Trichloroethane	9.50	97	1477320	9.824	ppbv	98
48) Dibromochloromethane	10.34	129	2622056	11.079	ppbv	100
49) Bromoform	13.08	173	2512943	11.716	ppbv	99
50) 4-Methyl-2-Pentanone	8.77	43	1995738	9.965	ppbv	99
51) 2-Hexanone	10.16	43	1731435	10.539	ppbv #	99
52) Tetrachloroethene	11.26	164	1668941	9.470	ppbv	98
53) Toluene	9.83	91	3829104	10.093	ppbv	100
54) 1,2-Dibromoethane	10.65	107	2377011	10.004	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.16	131	2028270	8.391	ppbv	100
57) Chlorobenzene	12.18	112	3291176	7.528	ppbv	100
58) Ethyl Benzene	12.74	91	4981153	8.131	ppbv	100
59) m/p-Xylene	13.03	91	4213516	8.231	ppbv #	32
60) o-Xylene	13.73	91	4081346	7.917	ppbv	100
61) Styrene	13.56	104	3393224	8.606	ppbv	100
62) Isopropylbenzene	14.71	105	6386233	7.711	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.71	83	2879645	7.204	ppbv	100
64) n-propylbenzene	15.60	120	2048261	8.105	ppbv	100
65) tert-Butylbenzene	16.79	119	6080536	7.898	ppbv	100
66) Benzyl Chloride	17.03	91	2000912	10.458	ppbv	100
67) sec-Butylbenzene	17.34	105	7879913	7.683	ppbv	100
69) p-Isopropyltoluene	17.69	119	6990505	7.770	ppbv	99
70) n-Butylbenzene	18.59	91	6674187	7.702	ppbv	100
71) 2-Chlorotoluene	15.49	91	4826690	8.003	ppbv	100
72) 4-Ethyltoluene	15.88	105	5269715	8.040	ppbv	100
73) 1,3,5-Trimethylbenzene	16.04	105	4908006	8.096	ppbv	99
74) 1,2,4-Trimethylbenzene	16.81	105	5083913	7.637	ppbv	98
75) 1,3-Dichlorobenzene	17.04	146	3774520	7.654	ppbv	100
76) 1,4-Dichlorobenzene	17.18	146	3812410	7.839	ppbv	99
77) 1,2-Dichlorobenzene	17.86	146	3725038	7.797	ppbv	100
78) Hexachloro-1,3-Butadiene	23.42	225	2464849	8.081	ppbv	100
79) Naphthalene	22.25	128	6338148	8.580	ppbv	99
80) Naphthalene, 2-methyl-	25.01	142	2471911	9.804	ppbv	100
81) 1,2,4-Trichlorobenzene	21.98	180	3687072	8.335	ppbv	100

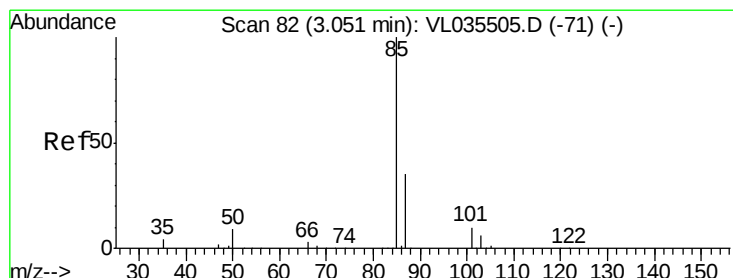
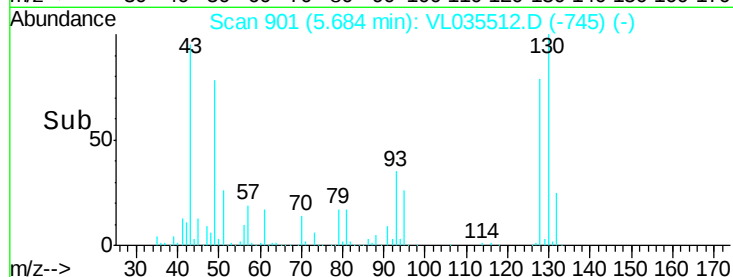
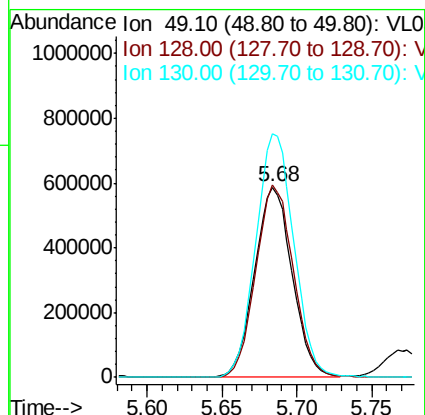
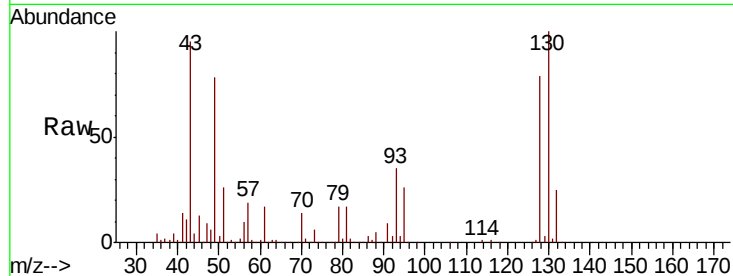
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.68 min Scan# 901
 Delta R.T. -0.00 min
 Lab File: VL035512.D
 Acq: 27 Aug 2020 6:41

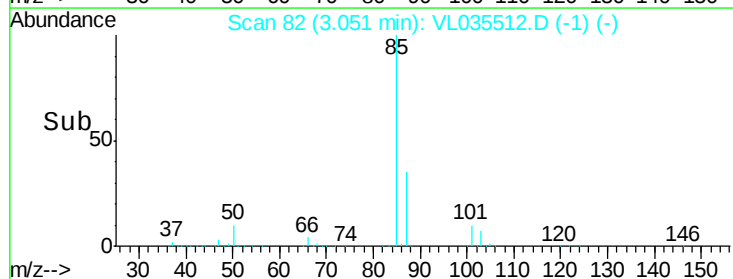
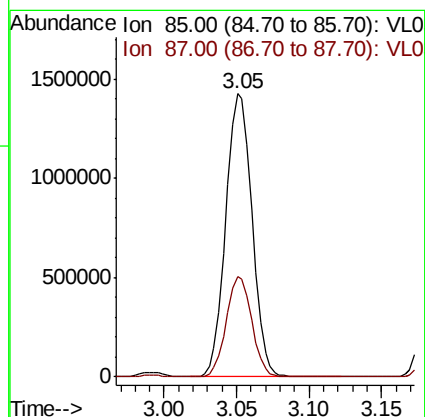
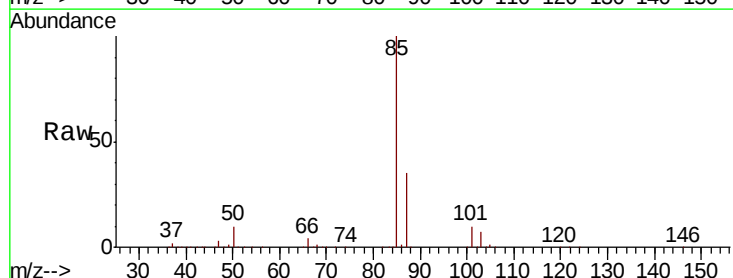
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL082720

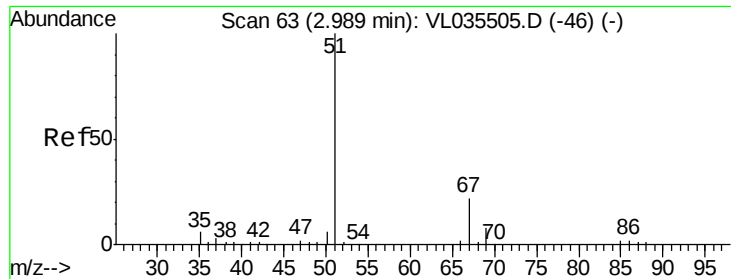
Tot Ion: 49 Resp: 1028310
 Ion Ratio Lower Upper
 49 100
 128 101.8 50.0 150.1
 130 130.3 64.4 193.2



#2
 Dichlorodifluoromethane
 Concen: 10.049 ppbv
 RT: 3.05 min Scan# 82
 Delta R.T. -0.00 min
 Lab File: VL035512.D
 Acq: 27 Aug 2020 6:41

Tgt Ion: 85 Resp: 1790817
 Ion Ratio Lower Upper
 85 100
 87 35.3 28.0 42.0

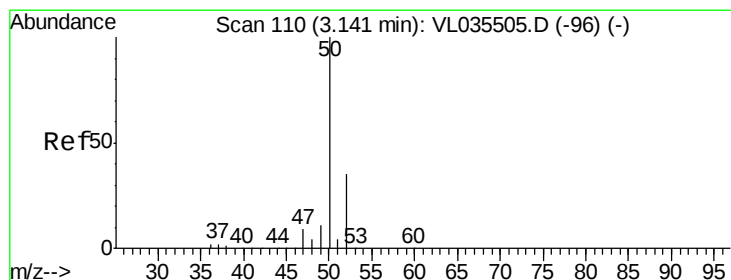
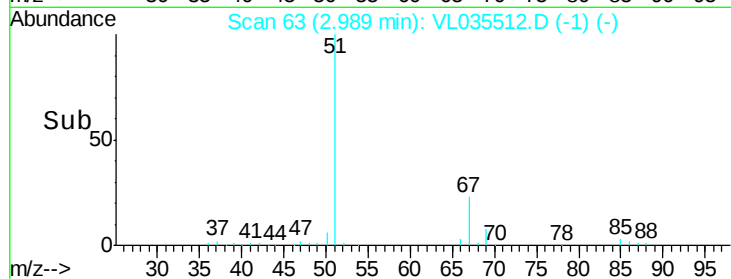
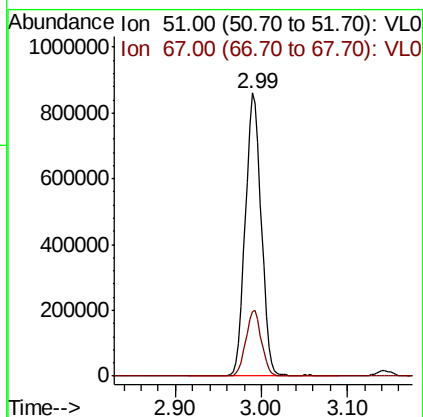
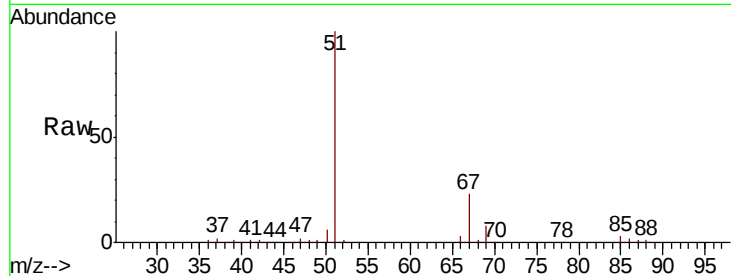




#3
 Chlorodifluoromethane
 Concen: 9.761 ppbv
 RT: 2.99 min Scan# 63
 Delta R.T. -0.00 min
 Lab File: VL035512.D
 Acq: 27 Aug 2020 6:41

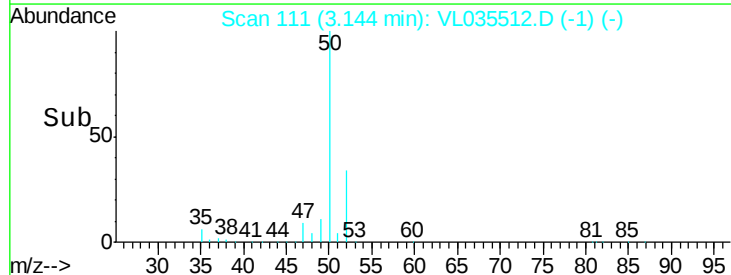
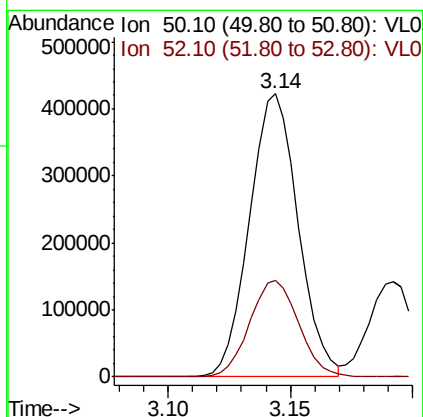
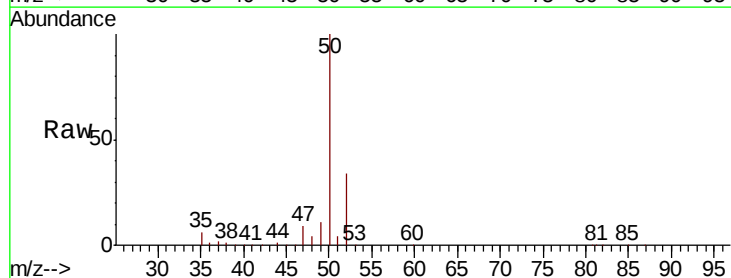
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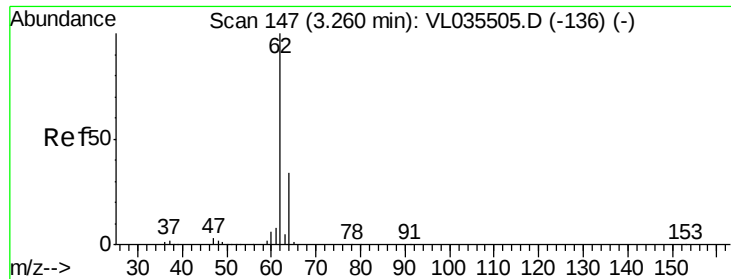
Tot Ion: 51 Resp: 1110114
 Ion Ratio Lower Upper
 51 100
 67 22.8 17.8 26.8



#4
 Chloromethane
 Concen: 9.563 ppbv
 RT: 3.14 min Scan# 111
 Delta R.T. 0.00 min
 Lab File: VL035512.D
 Acq: 27 Aug 2020 6:41

Tgt Ion: 50 Resp: 582694
 Ion Ratio Lower Upper
 50 100
 52 34.2 27.7 41.5





#5

Vinyl Chloride

Concen: 9.452 ppbv

RT: 3.26 min Scan# 147

Delta R.T. -0.00 min

Lab File: VL035512.D

Acq: 27 Aug 2020 6:41

Instrument :

MSVOA_L

ClientSampleId :

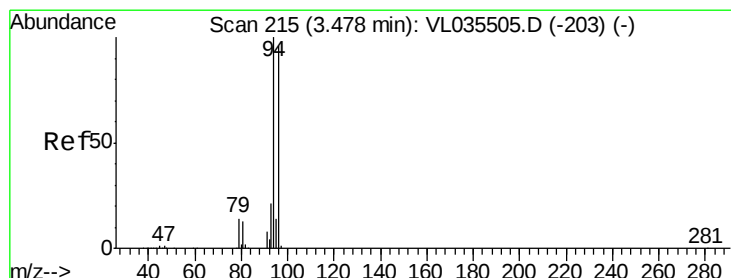
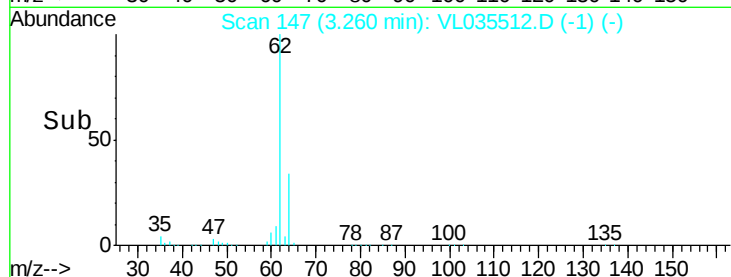
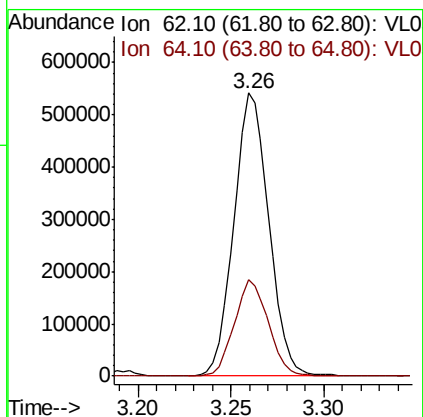
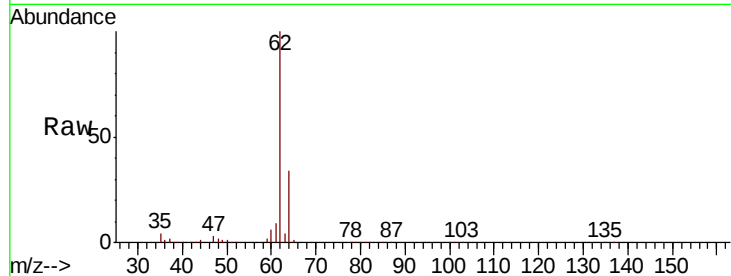
ICVVL082720

Tot Ion: 62 Resp: 710041

Ion Ratio Lower Upper

62 100

64 34.1 27.4 41.2



#6

Bromomethane

Concen: 9.937 ppbv

RT: 3.48 min Scan# 215

Delta R.T. 0.00 min

Lab File: VL035512.D

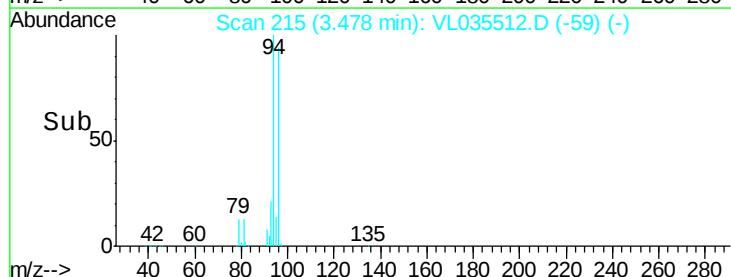
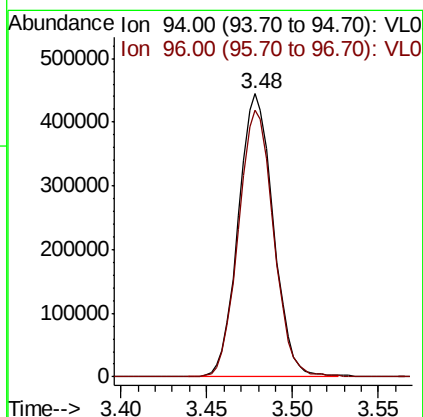
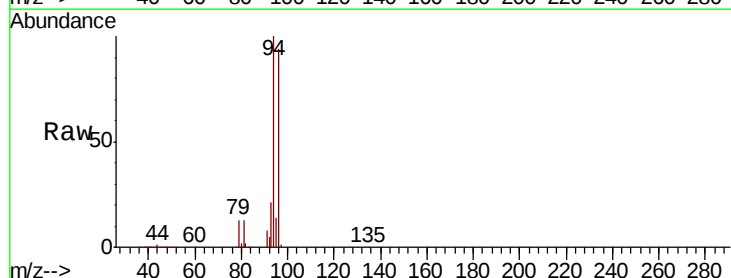
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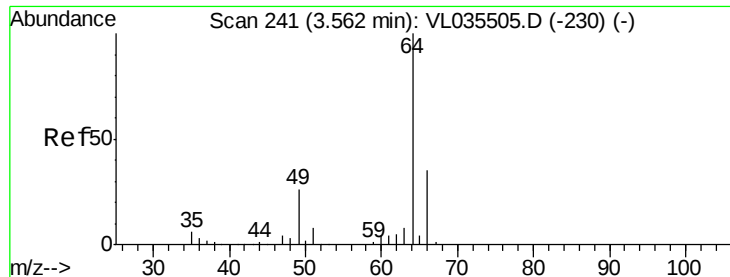
Tgt Ion: 94 Resp: 627007

Ion Ratio Lower Upper

94 100

96 94.0 77.1 115.7





#7

Chloroethane

Concen: 10.103 ppbv

RT: 3.56 min Scan# 241

Delta R.T. -0.00 min

Lab File: VL035512.D

Acq: 27 Aug 2020 6:41

Instrument :

MSVOA_L

ClientSampleId :

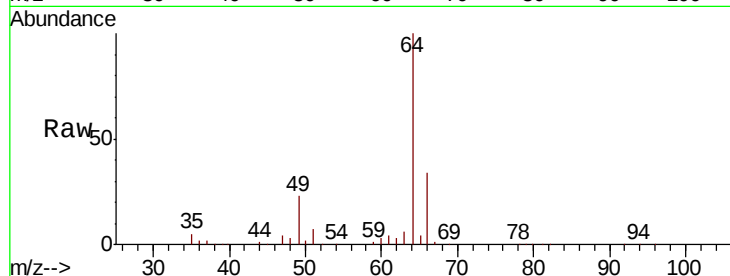
ICVVL082720

Tot Ion: 64 Resp: 268330

Ion Ratio Lower Upper

64 100

66 34.3 27.7 41.5



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.56

200000

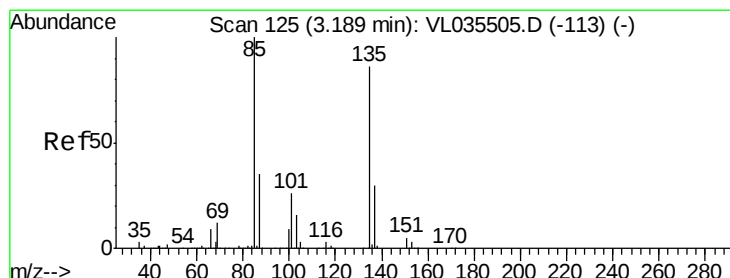
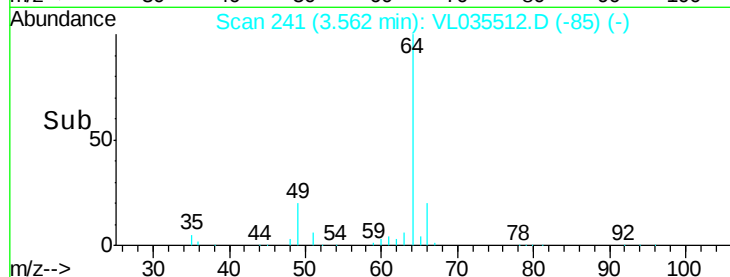
150000

100000

50000

0

Time--> 3.50 3.55 3.60



#8

Dichlorotetrafluoroethane

Concen: 9.678 ppbv

RT: 3.19 min Scan# 126

Delta R.T. 0.00 min

Lab File: VL035512.D

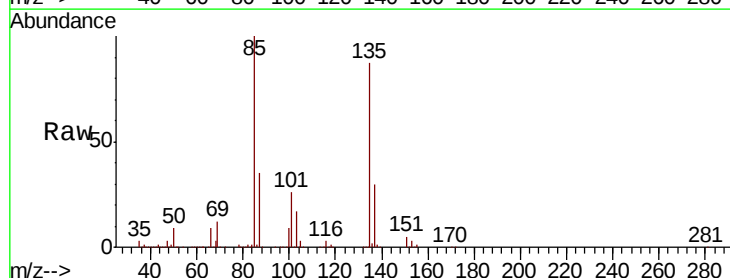
Acq: 27 Aug 2020 6:41

Tgt Ion: 85 Resp: 2088634

Ion Ratio Lower Upper

85 100

135 87.5 70.4 105.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.19

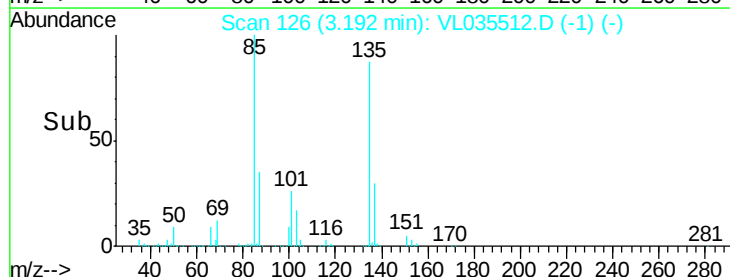
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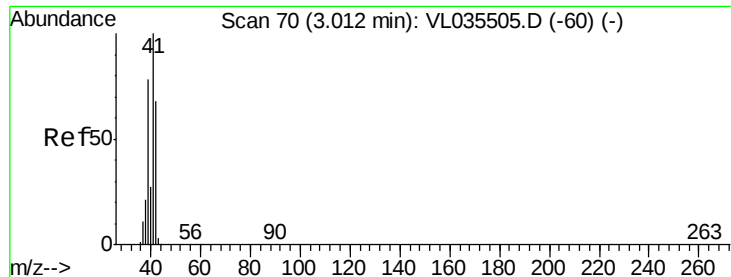
1000000

500000

0

Time--> 3.10 3.15 3.20 3.25





#9

Propene

Concen: 9.963 ppbv

RT: 3.01 min Scan# 70

Delta R.T. -0.00 min

Lab File: VL035512.D

Acq: 27 Aug 2020 6:41

Instrument :

MSVOA_L

ClientSampleId :

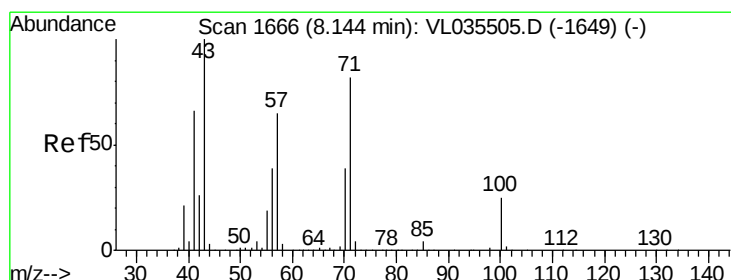
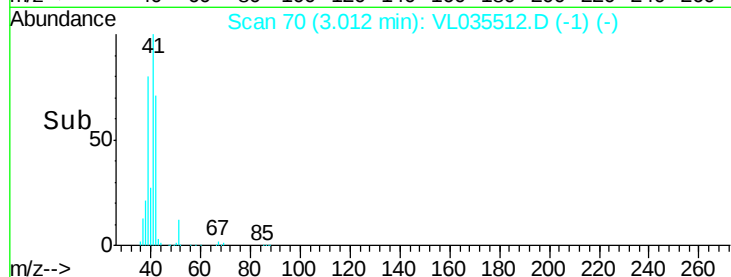
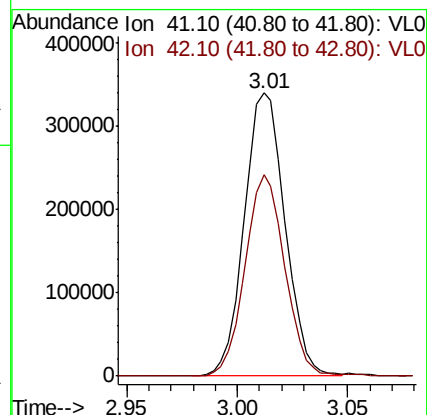
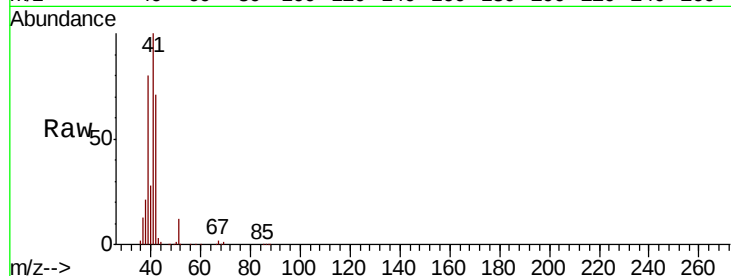
ICVVL082720

Tot Ion: 41 Resp: 436808

Ion Ratio Lower Upper

41 100

42 69.7 56.3 84.5



#10

Heptane

Concen: 10.107 ppbv

RT: 8.15 min Scan# 1667

Delta R.T. 0.00 min

Lab File: VL035512.D

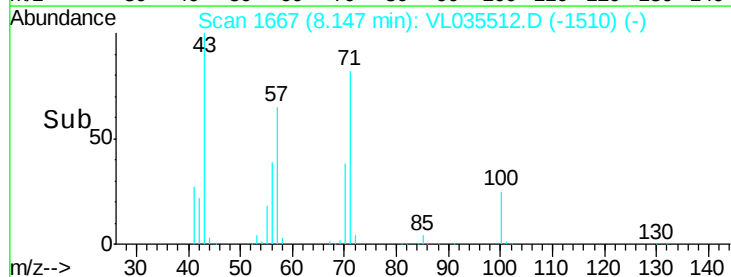
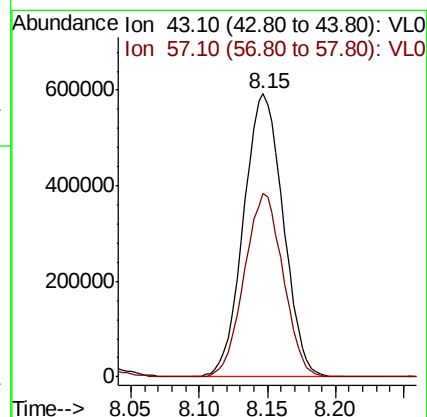
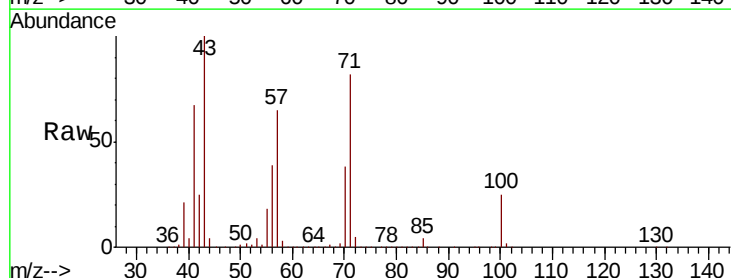
Acq: 27 Aug 2020 6:41

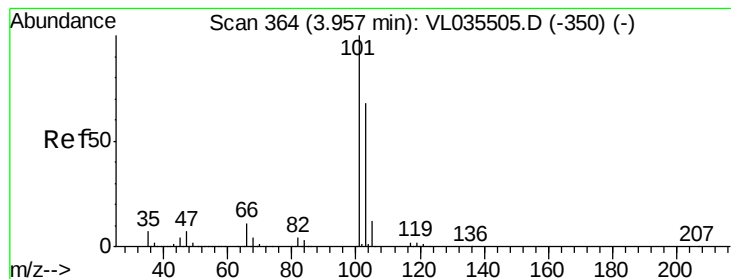
Tgt Ion: 43 Resp: 1190273

Ion Ratio Lower Upper

43 100

57 63.8 51.4 77.0





#11

Trichlorofluoromethane

Concen: 9.537 ppbv

RT: 3.96 min Scan# 364

Delta R.T. -0.00 min

Lab File: VL035512.D

Acq: 27 Aug 2020 6:41

Instrument :

MSVOA_L

ClientSampleId :

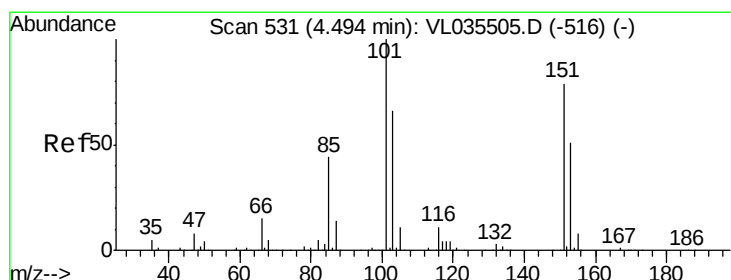
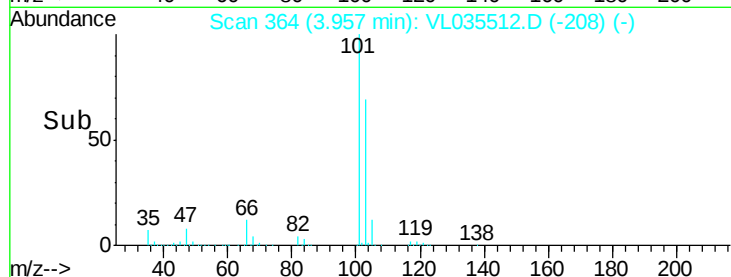
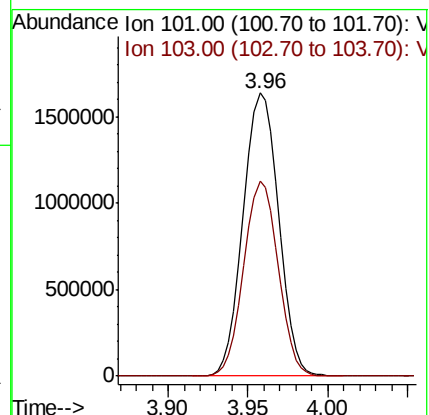
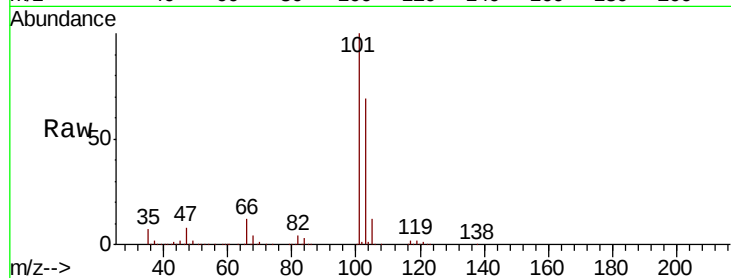
ICVVL082720

Tot Ion:101 Resp: 2478485

Ion Ratio Lower Upper

101 100

103 69.0 54.5 81.7



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.611 ppbv

RT: 4.49 min Scan# 531

Delta R.T. 0.00 min

Lab File: VL035512.D

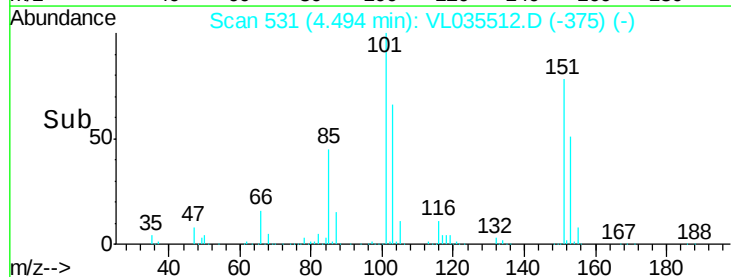
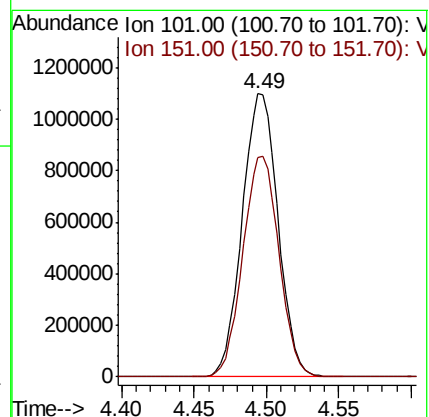
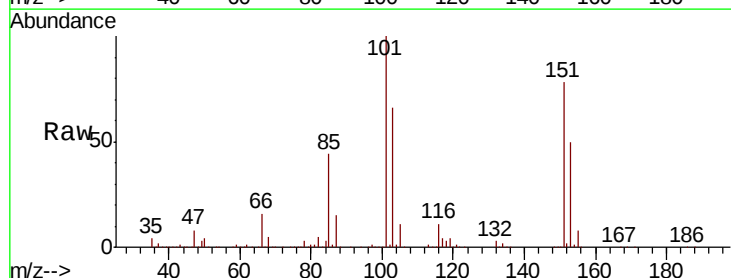
Acq: 27 Aug 2020 6:41

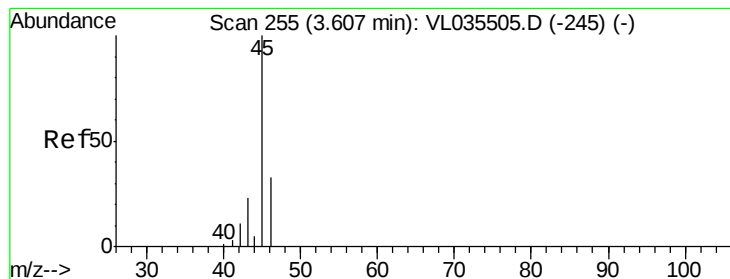
Tgt Ion:101 Resp: 1885079

Ion Ratio Lower Upper

101 100

151 79.1 63.5 95.3





#13

Ethanol

Concen: 10.091 ppbv

RT: 3.61 min Scan# 257

Delta R.T. 0.01 min

Lab File: VL035512.D

Acq: 27 Aug 2020 6:41

Instrument :

MSVOA_L

ClientSampleId :

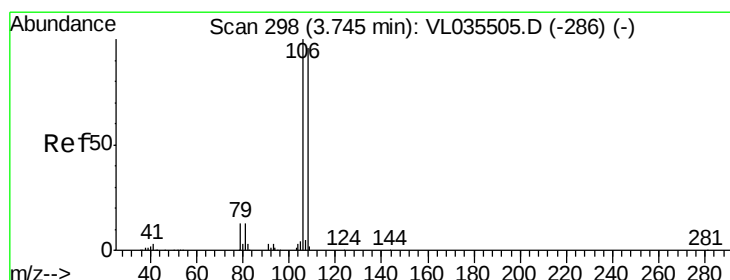
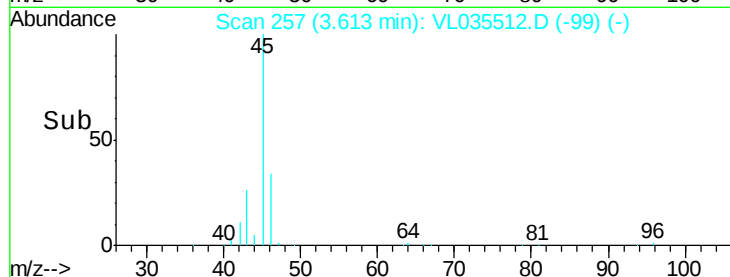
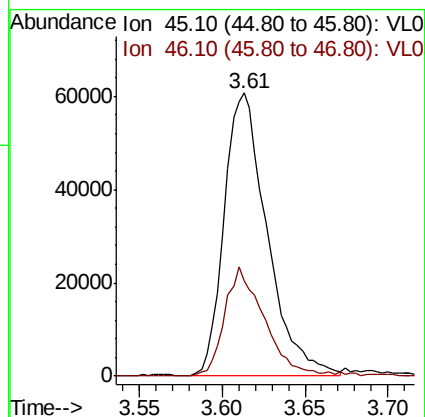
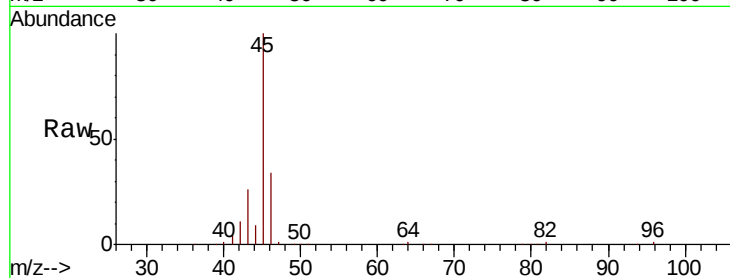
ICVVL082720

Tot Ion: 45 Resp: 109701

Ion Ratio Lower Upper

45 100

46 36.3 15.2 60.6



#14

Bromoethene

Concen: 10.418 ppbv

RT: 3.75 min Scan# 298

Delta R.T. 0.00 min

Lab File: VL035512.D

Acq: 27 Aug 2020 6:41

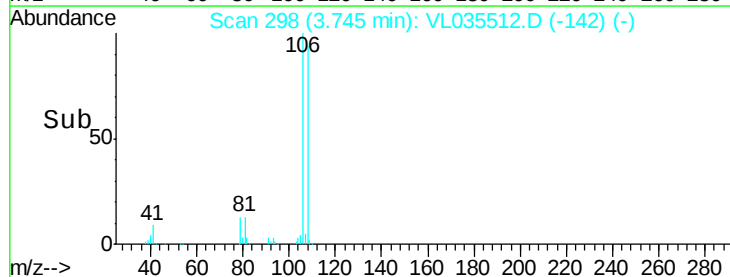
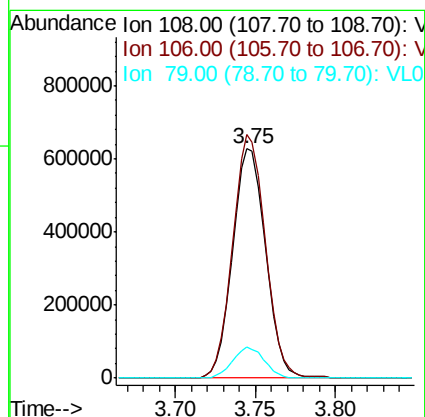
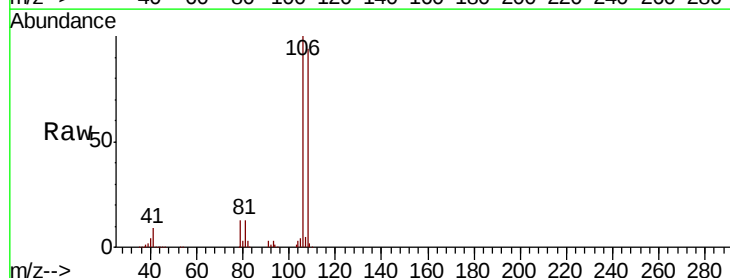
Tgt Ion: 108 Resp: 879550

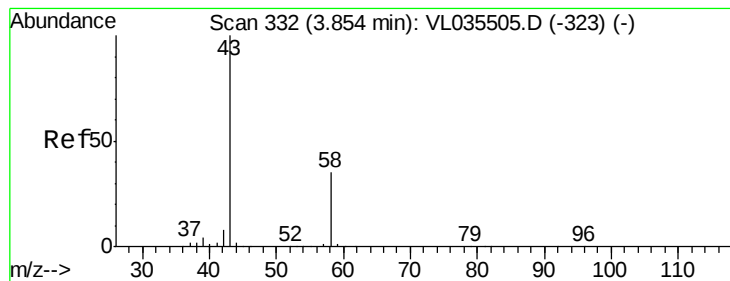
Ion Ratio Lower Upper

108 100

106 105.3 84.9 127.3

79 13.2 10.8 16.2





#15

Acetone

Concen: 8.169 ppbv

RT: 3.86 min Scan# 333

Delta R.T. 0.00 min

Lab File: VL035512.D

Acq: 27 Aug 2020 6:41

Instrument :

MSVOA_L

ClientSampleId :

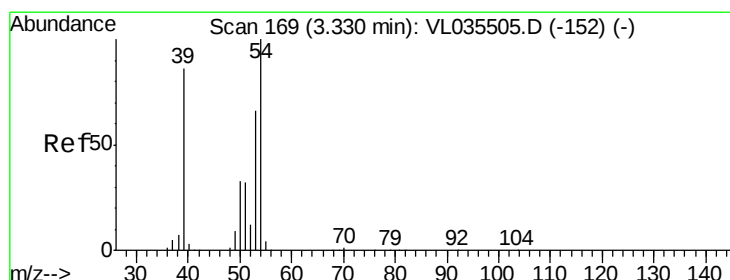
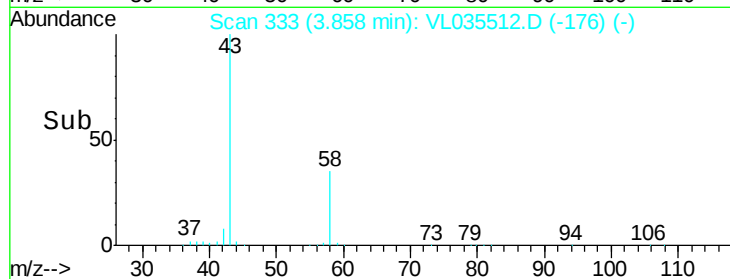
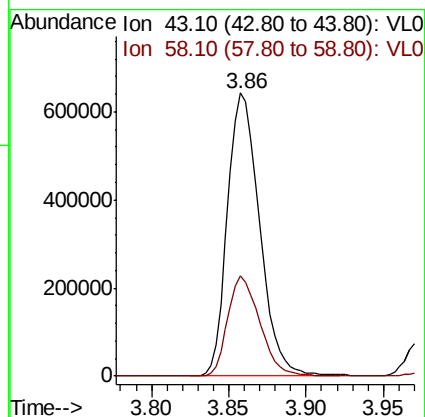
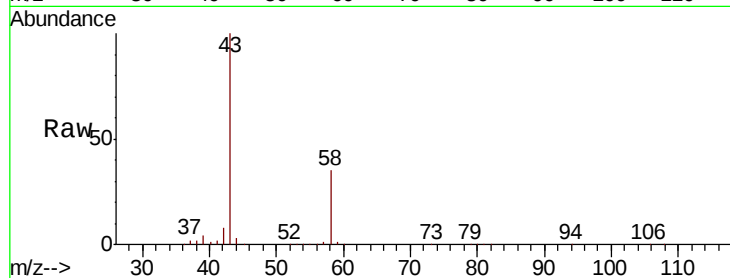
ICVVL082720

Tot Ion: 43 Resp: 926468

Ion Ratio Lower Upper

43 100

58 35.4 28.4 42.6



#16

1,3-Butadiene

Concen: 10.174 ppbv

RT: 3.33 min Scan# 170

Delta R.T. 0.00 min

Lab File: VL035512.D

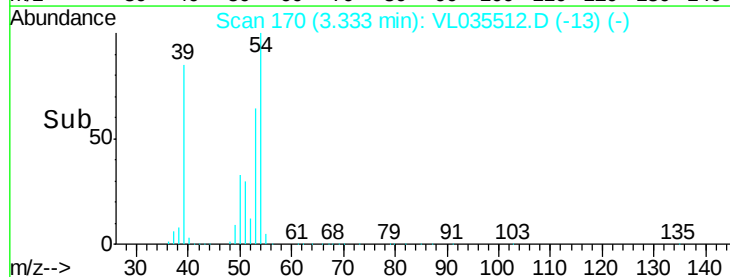
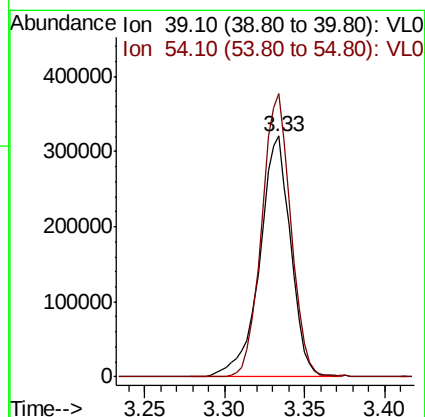
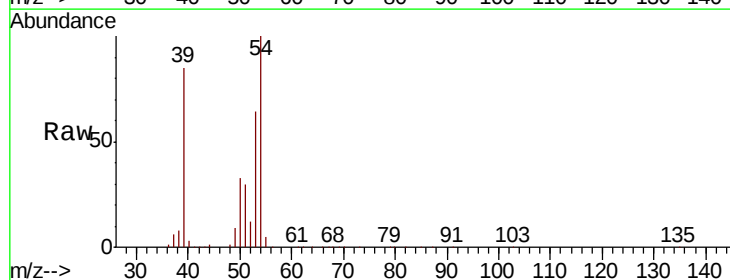
Acq: 27 Aug 2020 6:41

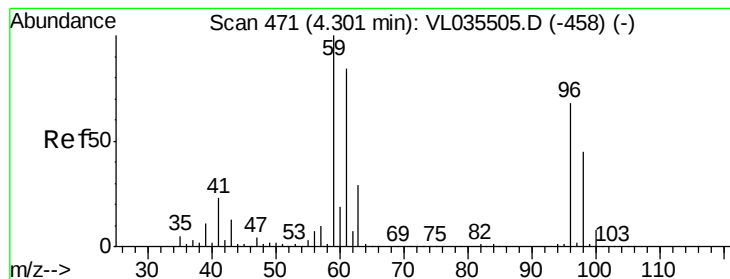
Tgt Ion: 39 Resp: 429513

Ion Ratio Lower Upper

39 100

54 110.5 88.4 132.6





#17

tert-Butyl alcohol

Concen: 10.494 ppbv

RT: 4.30 min Scan# 472

Delta R.T. 0.00 min

Lab File: VL035512.D

Acq: 27 Aug 2020 6:41

Instrument :

MSVOA_L

ClientSampleId :

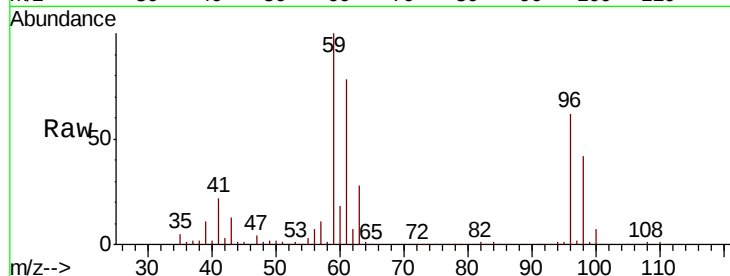
ICVVL082720

Tot Ion: 59 Resp: 1448674

Ion Ratio Lower Upper

59 100

57 10.5 8.4 12.6



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.30

800000

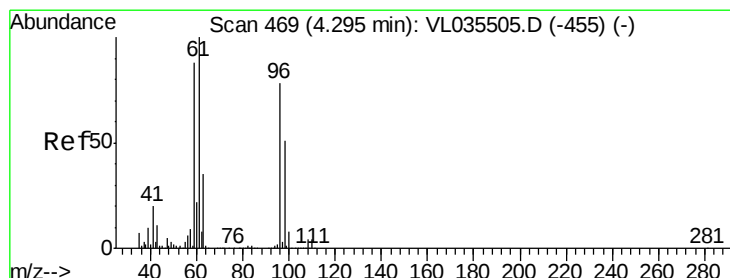
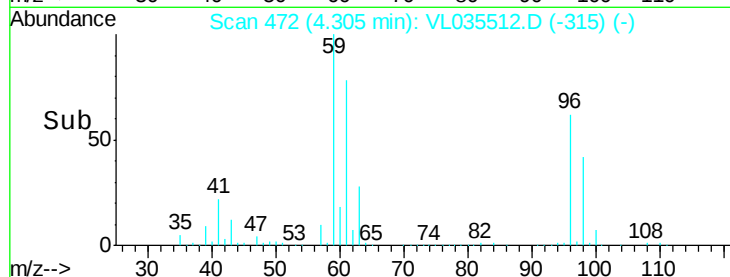
600000

400000

200000

0

Time-->



#18

1,1-Dichloroethene

Concen: 10.112 ppbv

RT: 4.30 min Scan# 470

Delta R.T. 0.00 min

Lab File: VL035512.D

Acq: 27 Aug 2020 6:41

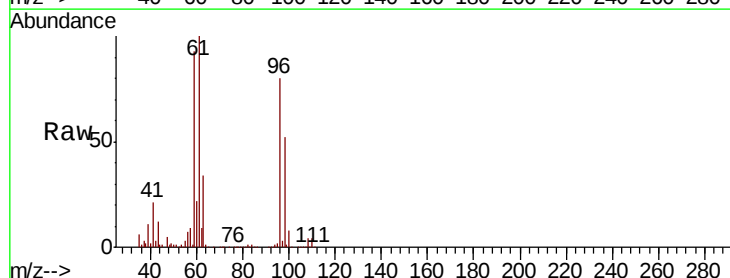
Tgt Ion: 96 Resp: 873433

Ion Ratio Lower Upper

96 100

61 125.5 103.0 154.6

98 64.8 52.8 79.2



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

1000000

800000

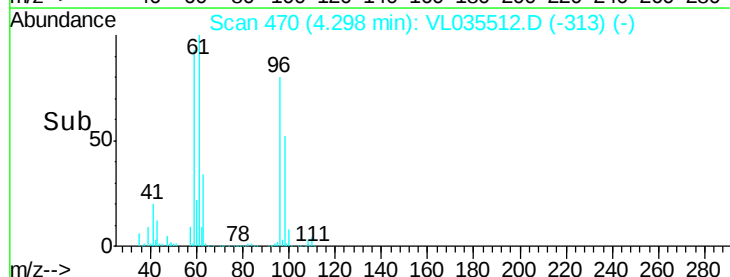
600000

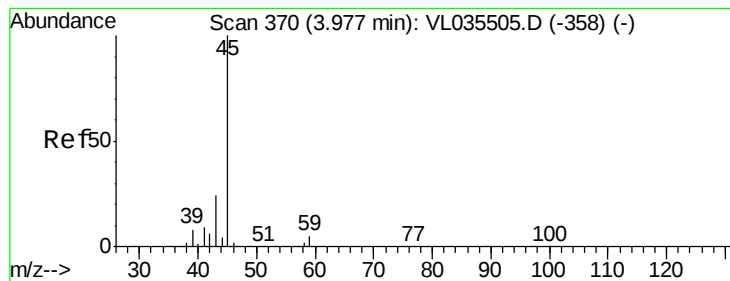
400000

200000

0

Time-->





#19

Isopropyl Alcohol

Concen: 10.806 ppbv

RT: 3.98 min Scan# 370

Delta R.T. 0.00 min

Lab File: VL035512.D

Acq: 27 Aug 2020 6:41

Instrument :

MSVOA_L

ClientSampleId :

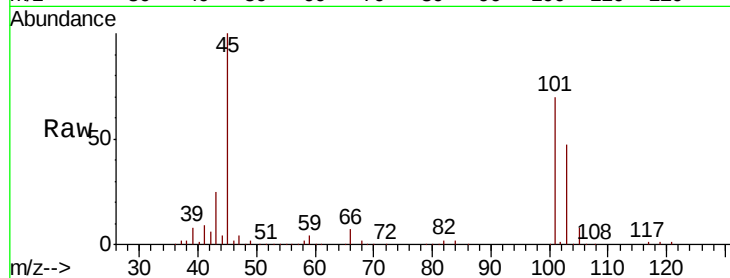
ICVVL082720

Tot Ion: 45 Resp: 731085

Ion Ratio Lower Upper

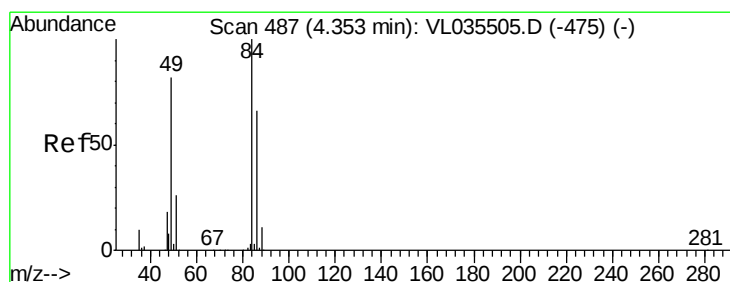
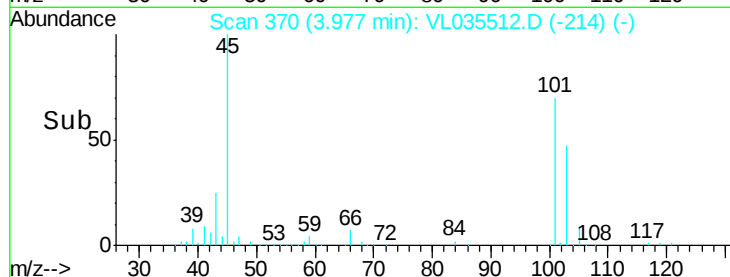
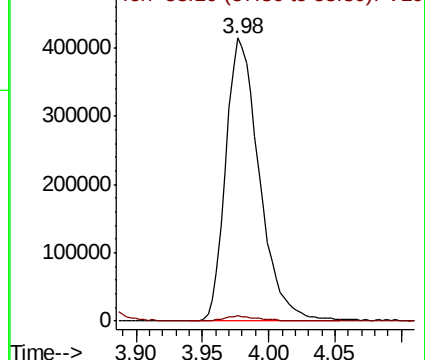
45 100

58 2.1 2.0 3.0



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 8.989 ppbv

RT: 4.35 min Scan# 487

Delta R.T. -0.00 min

Lab File: VL035512.D

Acq: 27 Aug 2020 6:41

Tgt Ion: 84 Resp: 759331

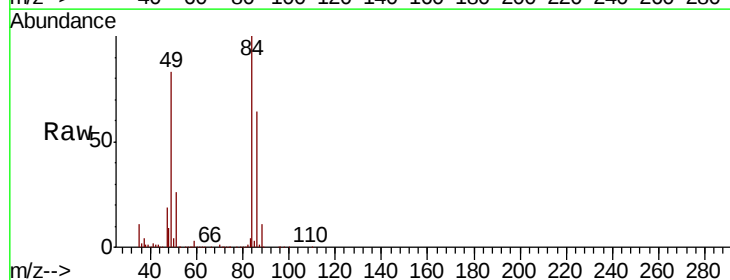
Ion Ratio Lower Upper

84 100

49 82.3 65.4 98.0

51 25.6 21.5 32.3

86 63.9 52.9 79.3

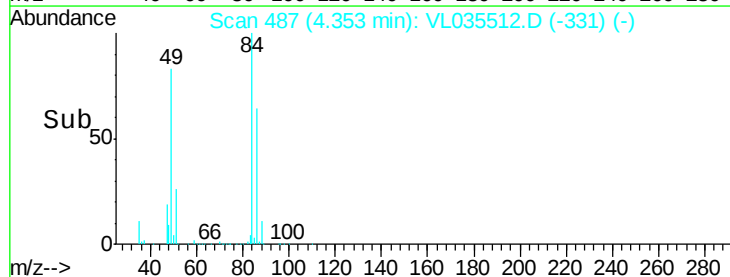
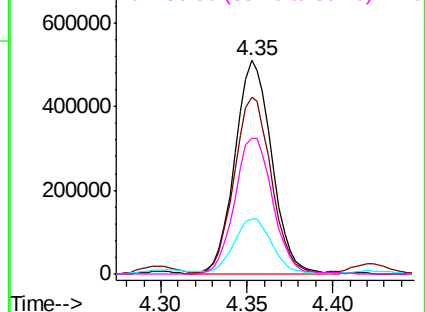


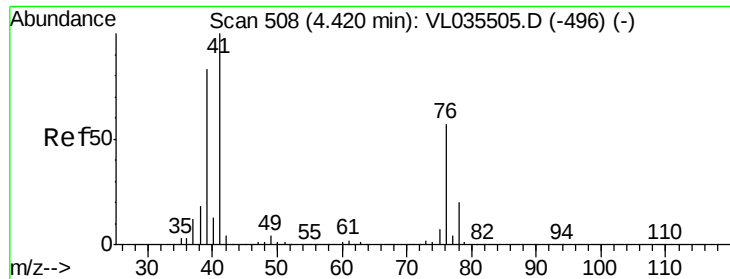
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0





#21

Allvl Chloride

Concen: 10.728 ppbv

RT: 4.42 min Scan# 509

Delta R.T. 0.00 min

Lab File: VL035512.D

Acq: 27 Aug 2020 6:41

Instrument :

MSVOA_L

ClientSampleId :

ICVVL082720

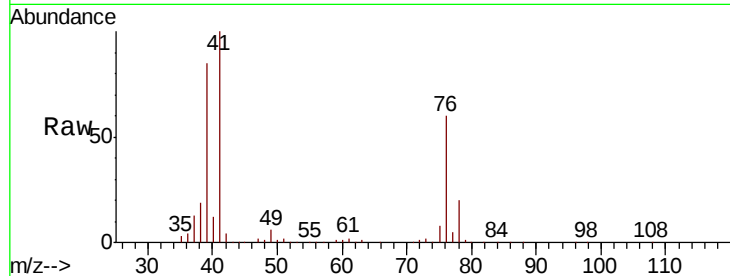
Tot Ion: 41 Resp: 570010

Ion Ratio Lower Upper

41 100

76 59.6 46.2 69.2

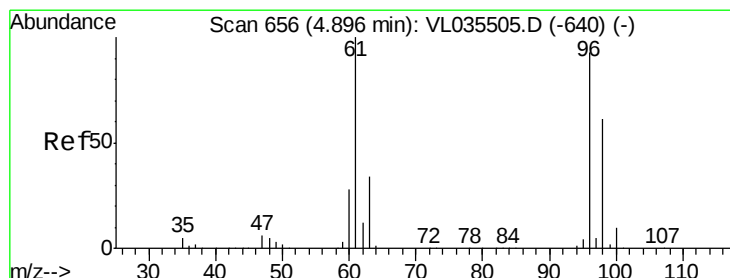
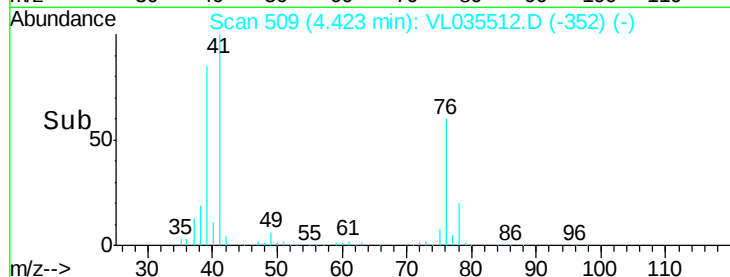
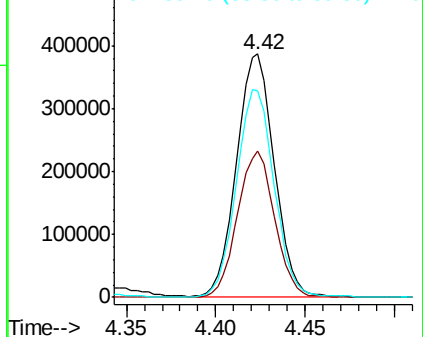
39 86.4 67.8 101.6



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: 10.057 ppbv

RT: 4.90 min Scan# 656

Delta R.T. 0.00 min

Lab File: VL035512.D

Acq: 27 Aug 2020 6:41

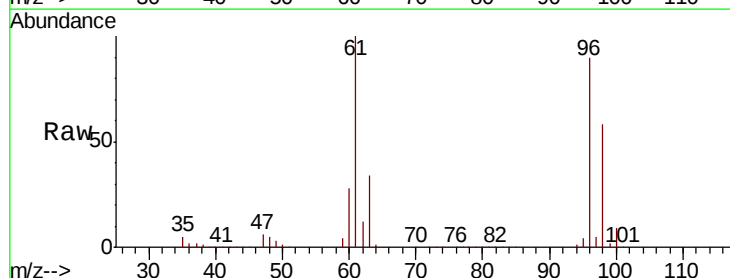
Tgt Ion: 96 Resp: 924742

Ion Ratio Lower Upper

96 100

61 110.5 86.0 129.0

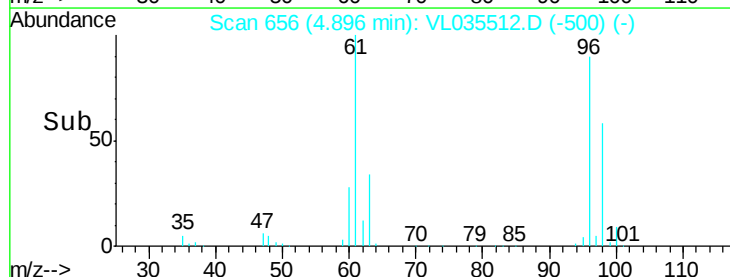
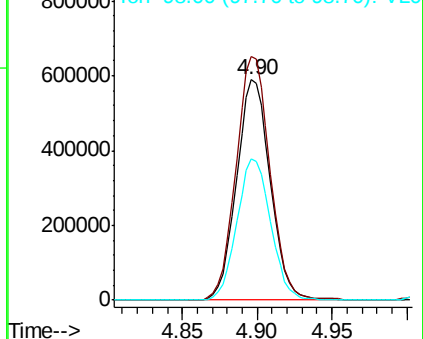
98 64.0 52.3 78.5

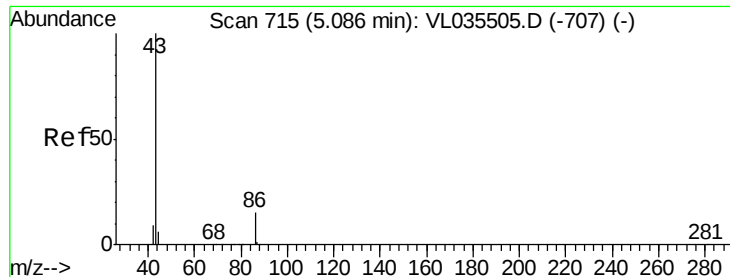


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 10.280 ppbv

RT: 5.09 min Scan# 716

Delta R.T. 0.00 min

Lab File: VL035512.D

Acq: 27 Aug 2020 6:41

Instrument :

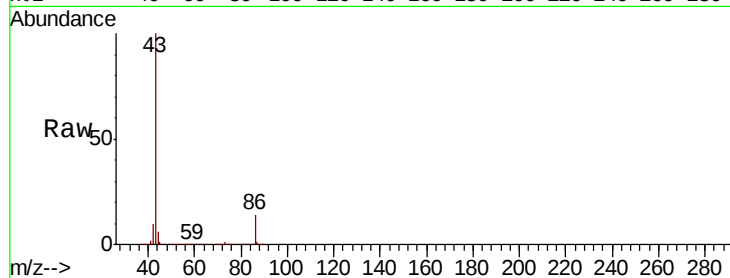
MSVOA_L

ClientSampleId :

ICVVL082720

Tot Ion: 43 Resp: 1496400

Ion	Ratio	Lower	Upper
43	100		
86	13.8	10.6	16.0
42	9.7	7.5	11.3
44	5.3	4.4	6.6

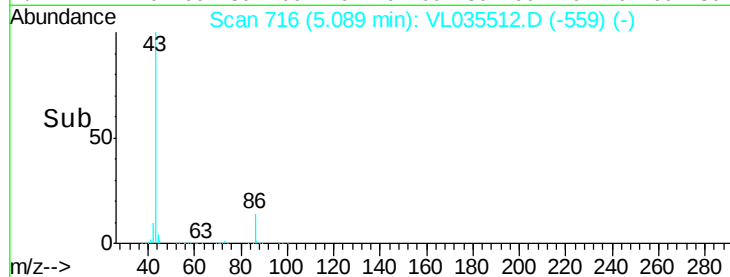


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 9.947 ppbv

RT: 5.02 min Scan# 696

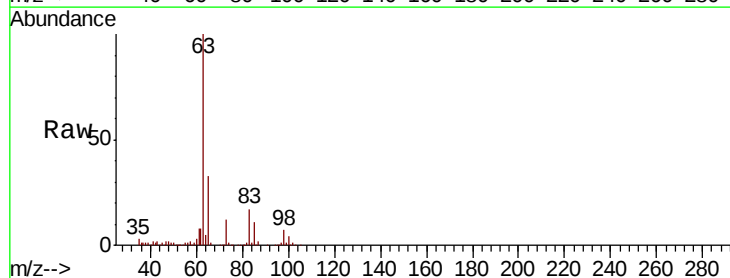
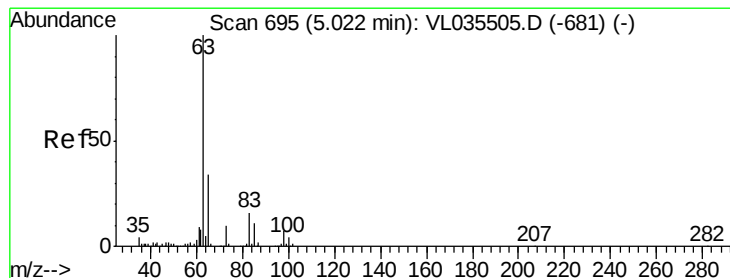
Delta R.T. 0.00 min

Lab File: VL035512.D

Acq: 27 Aug 2020 6:41

Tgt Ion: 63 Resp: 1490119

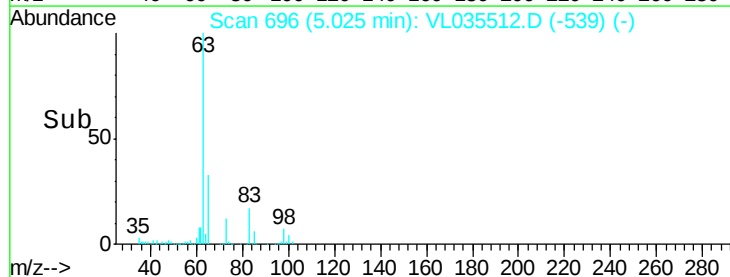
Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.4	10.1
100	4.4	2.1	6.5



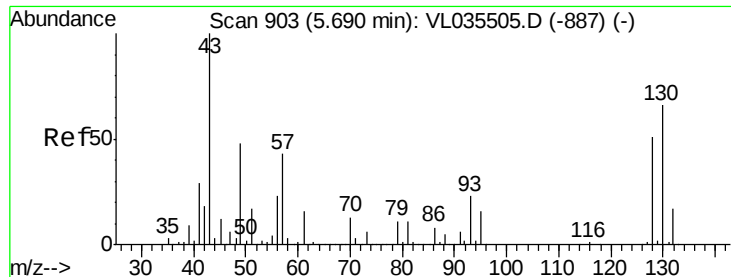
Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



Time-->

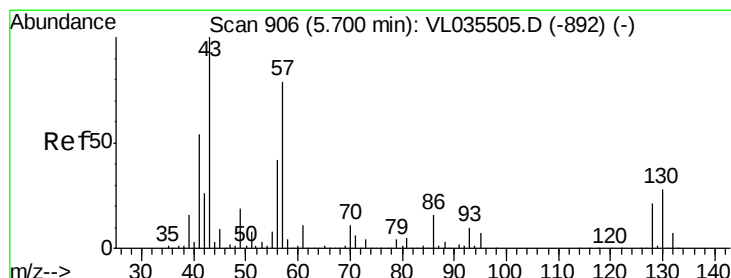
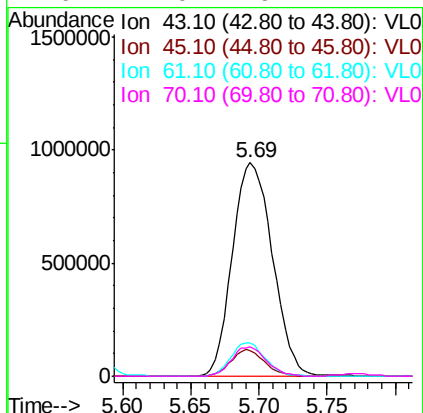
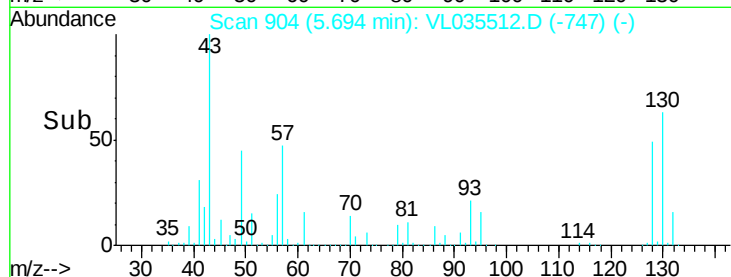
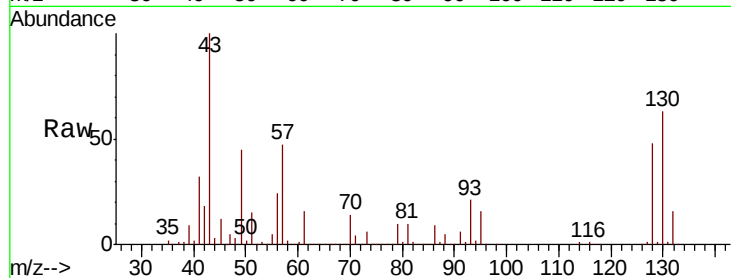


#25
Ethyl Acetate
Concen: 9.627 ppbv
RT: 5.69 min Scan# 904
Delta R.T. 0.00 min
Lab File: VL035512.D
Acq: 27 Aug 2020 6:41

Instrument :
MSVOA_L
ClientSampleId :
ICVVL082720

Tot Ion: 43 Resp: 1928859

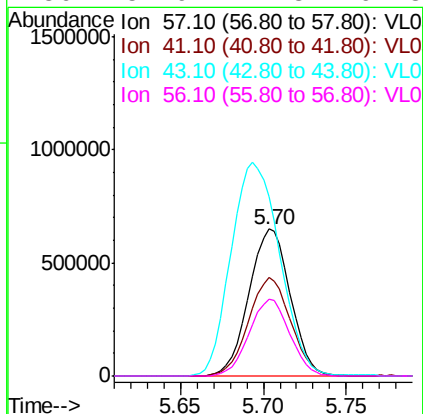
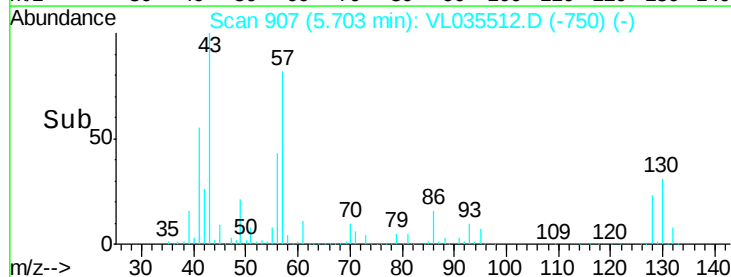
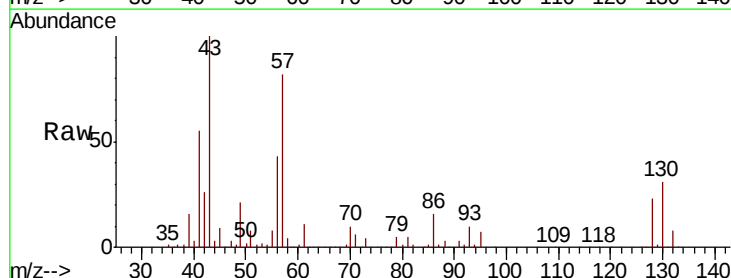
Ion	Ratio	Lower	Upper
43	100		
45	10.7	8.4	12.6
61	13.6	10.6	16.0
70	12.0	9.4	14.2

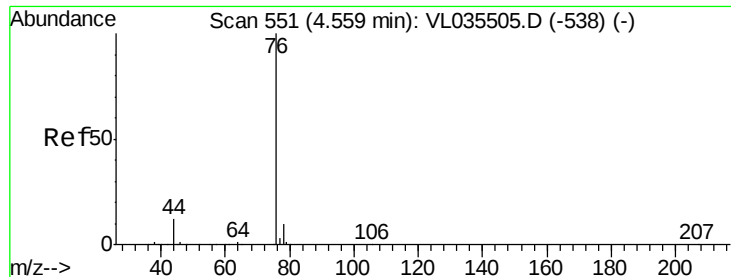


#26
Hexane
Concen: 9.884 ppbv
RT: 5.70 min Scan# 907
Delta R.T. 0.00 min
Lab File: VL035512.D
Acq: 27 Aug 2020 6:41

Tgt Ion: 57 Resp: 1122045

Ion	Ratio	Lower	Upper
57	100		
41	69.1	55.9	83.9
43	172.7	141.8	212.8
56	51.9	41.8	62.8





#27

Carbon Disulfide

Concen: 11.361 ppbv

RT: 4.56 min Scan# 552

Delta R.T. 0.00 min

Lab File: VL035512.D

Acq: 27 Aug 2020 6:41

Instrument :

MSVOA_L

ClientSampleId :

ICVVL082720

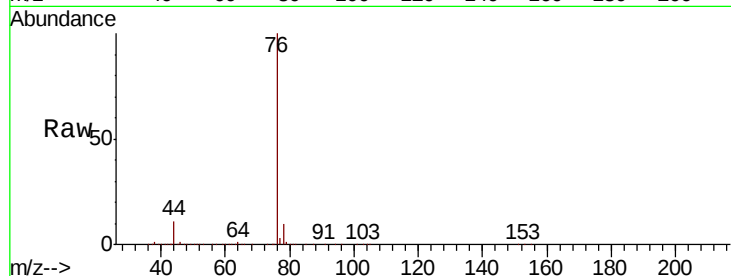
Tot Ion: 76 Resp: 1850853

Ion Ratio Lower Upper

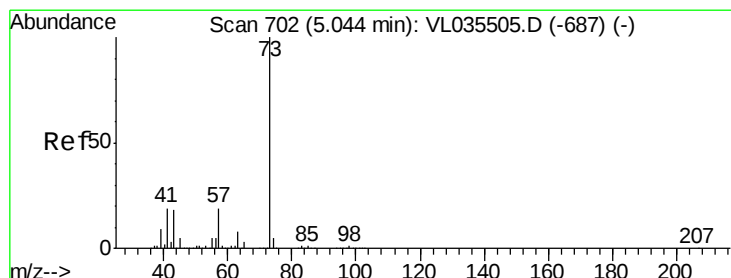
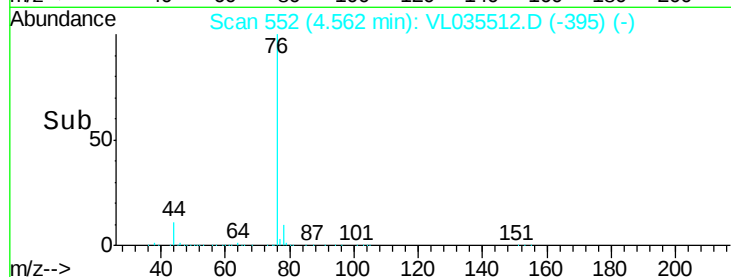
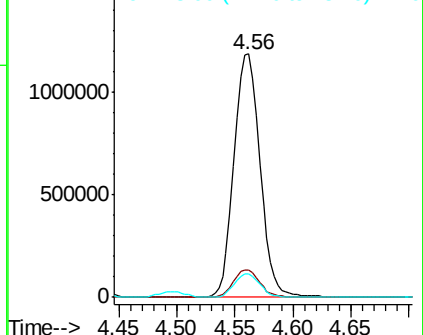
76 100

44 11.3 9.3 13.9

78 9.6 7.8 11.6



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



#28

Methyl tert-Butyl Ether

Concen: 10.614 ppbv

RT: 5.05 min Scan# 703

Delta R.T. 0.00 min

Lab File: VL035512.D

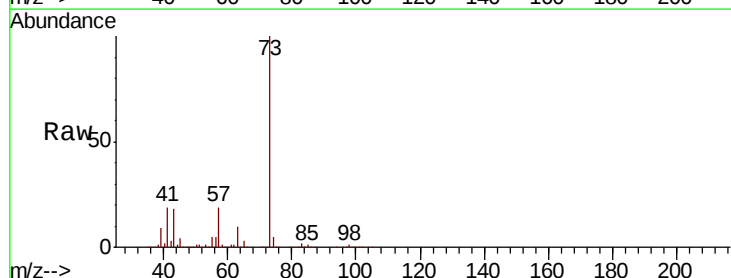
Acq: 27 Aug 2020 6:41

Tgt Ion: 73 Resp: 2100026

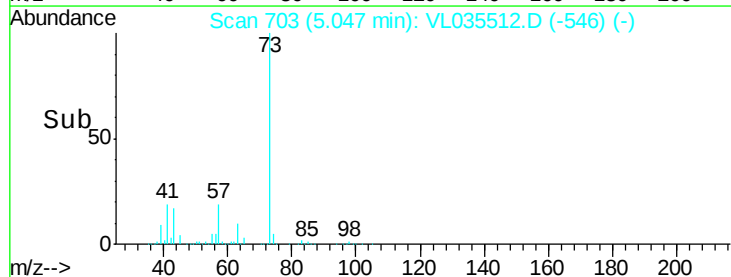
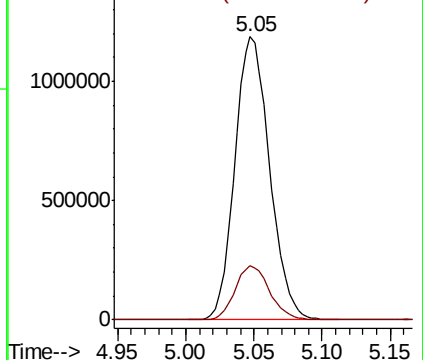
Ion Ratio Lower Upper

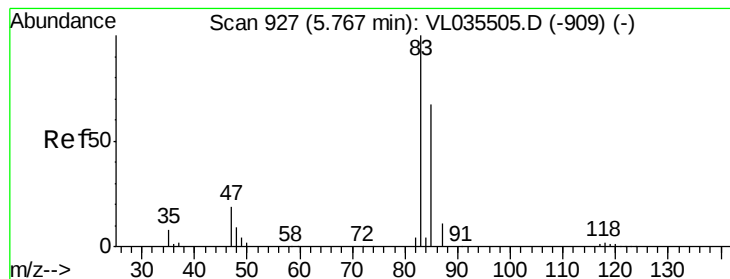
73 100

57 19.0 15.2 22.8



Abundance Ion 73.10 (72.80 to 73.80): VL0
Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 9.878 ppbv

RT: 5.77 min Scan# 928

Delta R.T. 0.00 min

Lab File: VL035512.D

Acq: 27 Aug 2020 6:41

Instrument :

MSVOA_L

ClientSampleId :

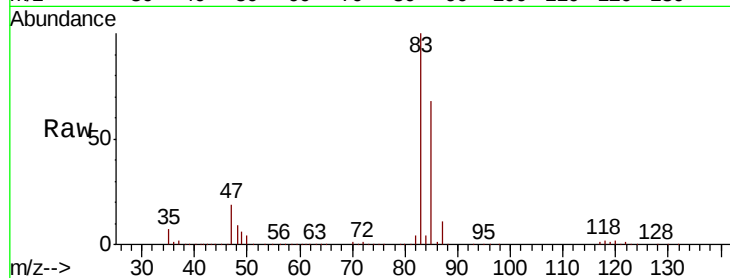
ICVVL082720

Tot Ion: 83 Resp: 2284749

Ion Ratio Lower Upper

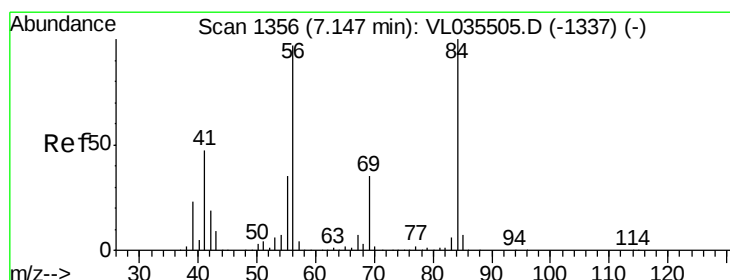
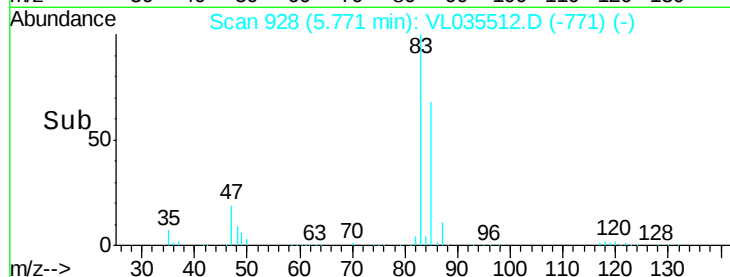
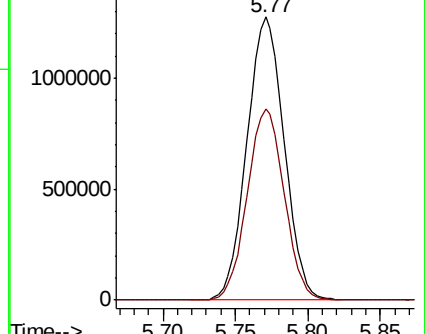
83 100

85 67.6 53.9 80.9



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#30

Cyclohexane

Concen: 10.724 ppbv

RT: 7.15 min Scan# 1358

Delta R.T. 0.01 min

Lab File: VL035512.D

Acq: 27 Aug 2020 6:41

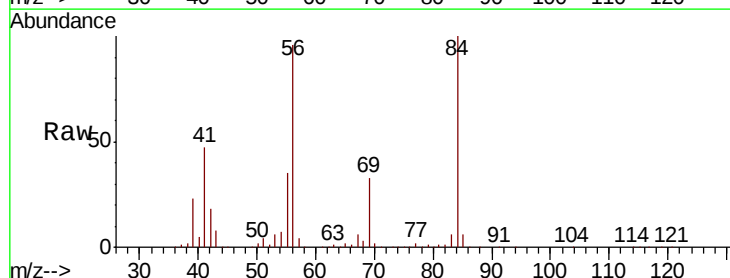
Tgt Ion: 84 Resp: 1304184

Ion Ratio Lower Upper

84 100

56 100.5 80.1 120.1

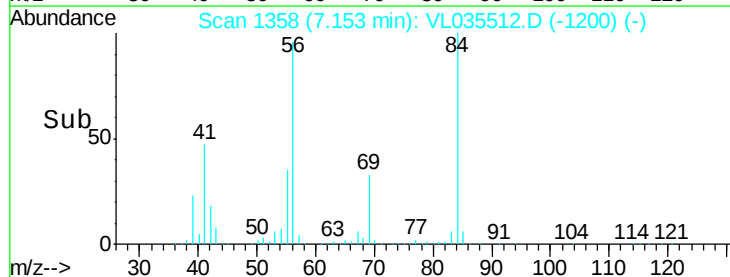
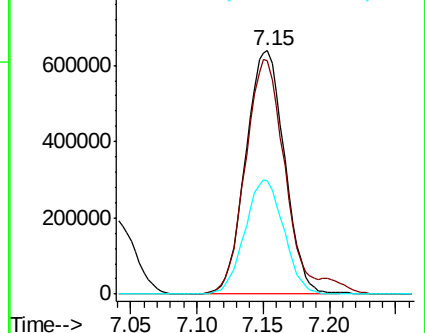
41 46.9 38.1 57.1

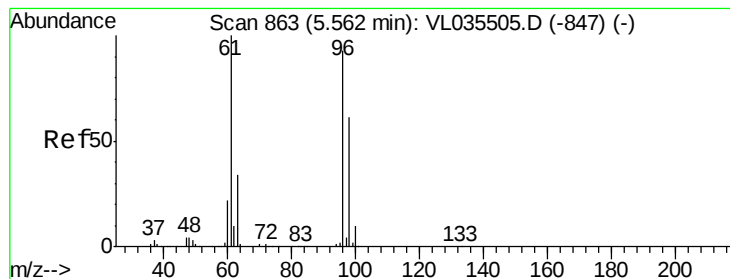


Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0



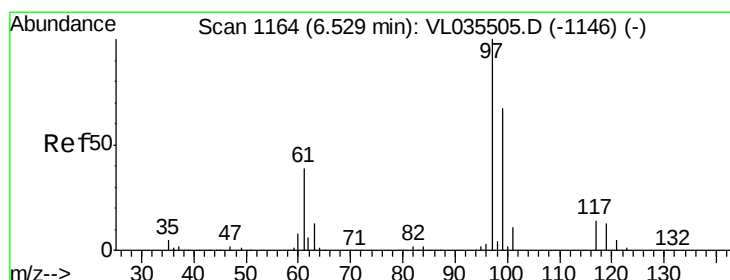
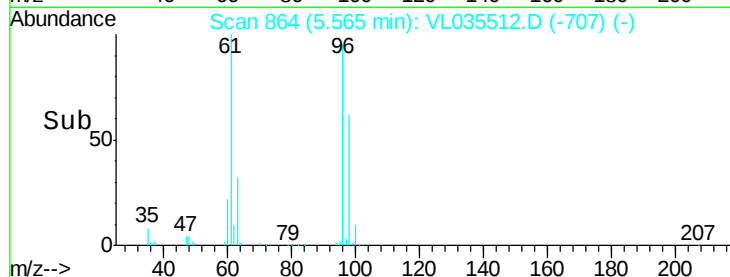
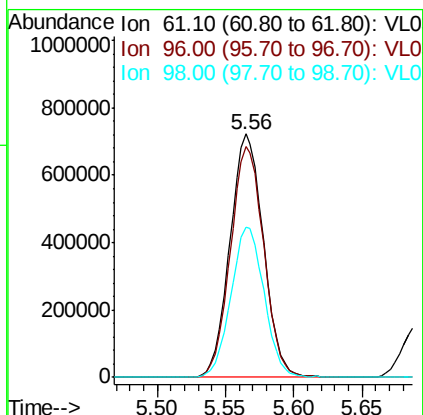
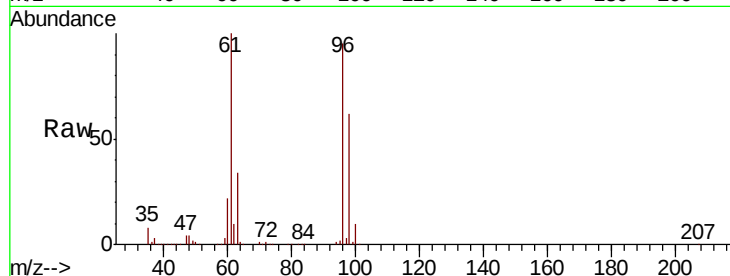


#31

cis-1,2-Dichloroethene
 Concen: 10.555 ppbv
 RT: 5.56 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VL035512.D
 Acq: 27 Aug 2020 6:41

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL082720

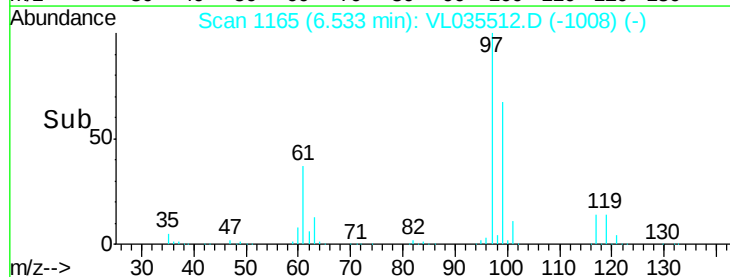
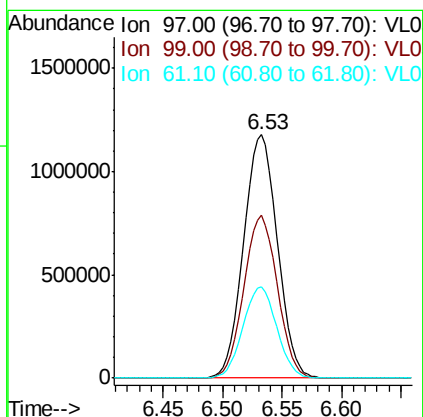
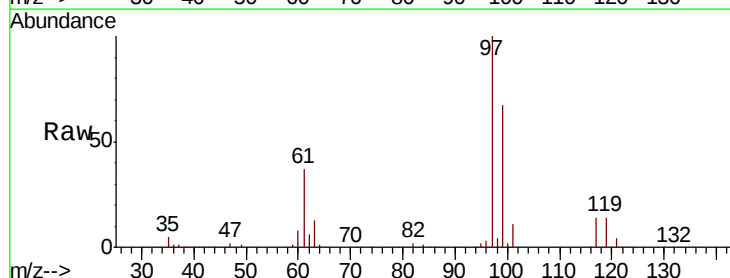
Tot Ion: 61 Resp: 1229384
 Ion Ratio Lower Upper
 61 100
 96 95.0 74.4 111.6
 98 61.5 49.2 73.8

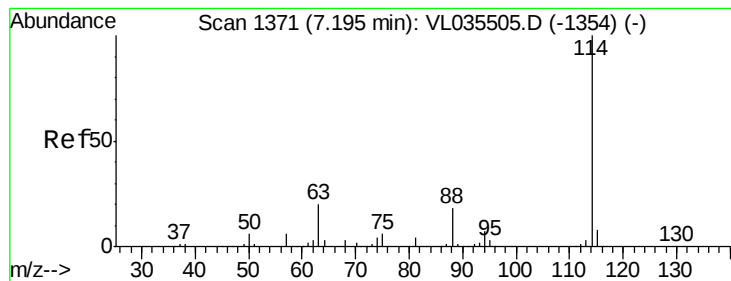


#32

1,1,1-Trichloroethane
 Concen: 10.345 ppbv
 RT: 6.53 min Scan# 1165
 Delta R.T. 0.00 min
 Lab File: VL035512.D
 Acq: 27 Aug 2020 6:41

Tgt Ion: 97 Resp: 2321247
 Ion Ratio Lower Upper
 97 100
 99 66.4 53.3 79.9
 61 37.5 30.6 46.0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.20 min Scan# 1372

Delta R.T. 0.00 min

Lab File: VL035512.D

Acq: 27 Aug 2020 6:41

Instrument :

MSVOA_L

ClientSampleId :

ICVVL082720

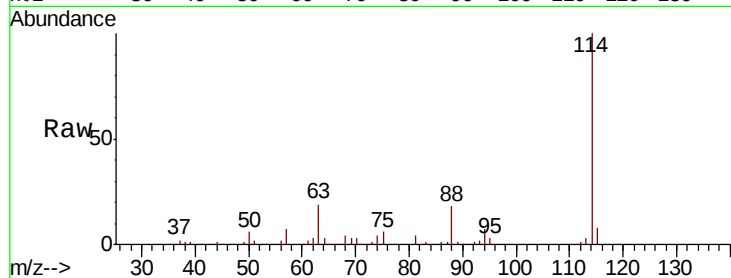
Tot Ion:114 Resp: 4660562

Ion Ratio Lower Upper

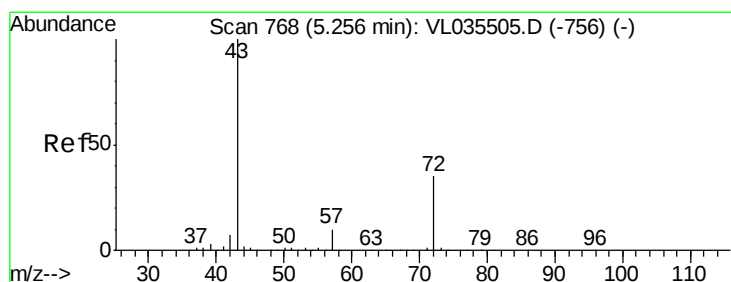
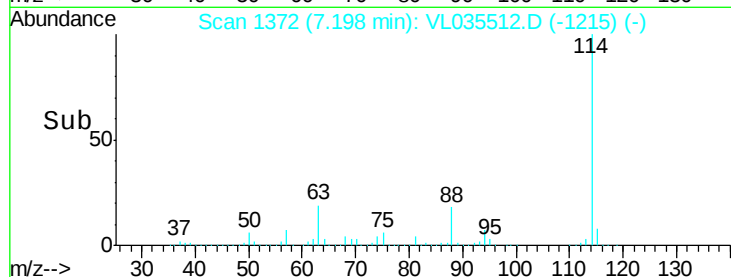
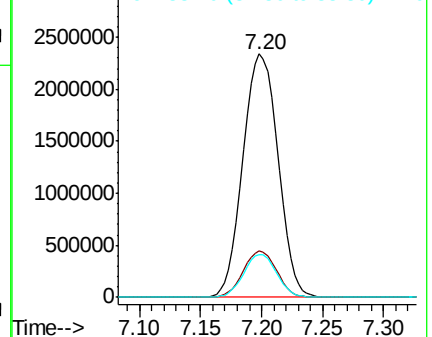
114 100

63 18.3 14.7 22.1

88 16.7 13.4 20.2



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



#34

2-Butanone

Concen: 9.720 ppbv

RT: 5.26 min Scan# 769

Delta R.T. 0.00 min

Lab File: VL035512.D

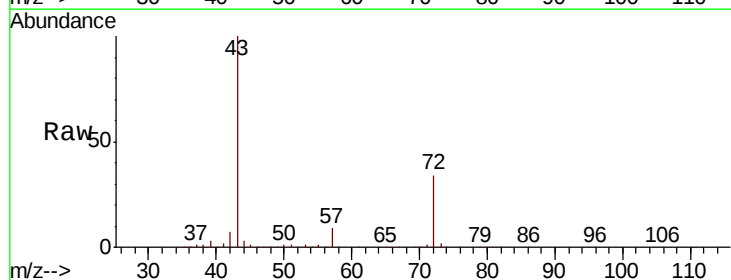
Acq: 27 Aug 2020 6:41

Tgt Ion: 43 Resp: 1344395

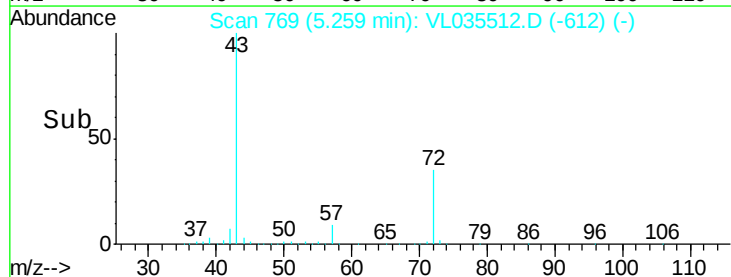
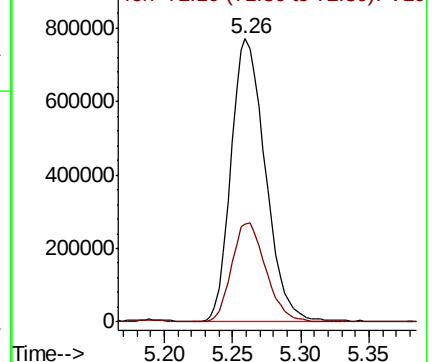
Ion Ratio Lower Upper

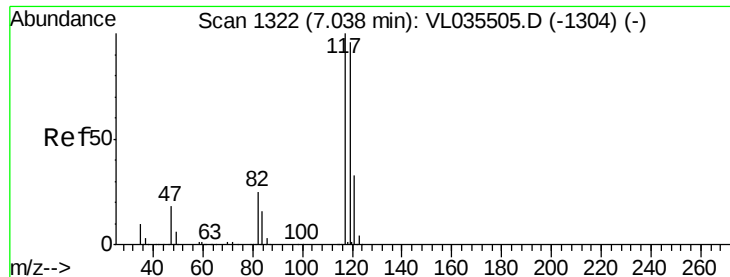
43 100

72 35.1 27.7 41.5



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 72.10 (71.80 to 72.80): VL0

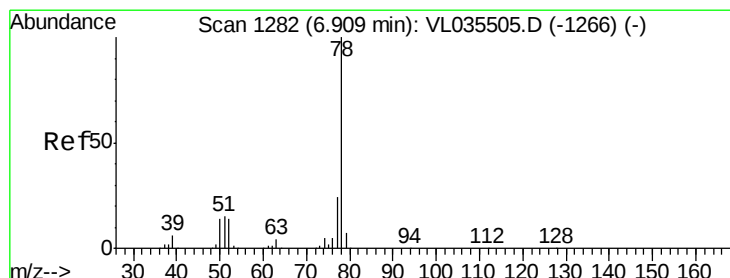
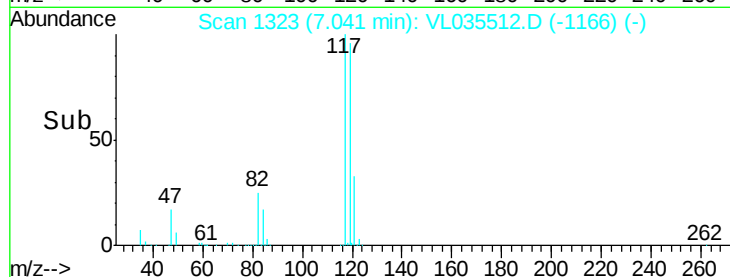
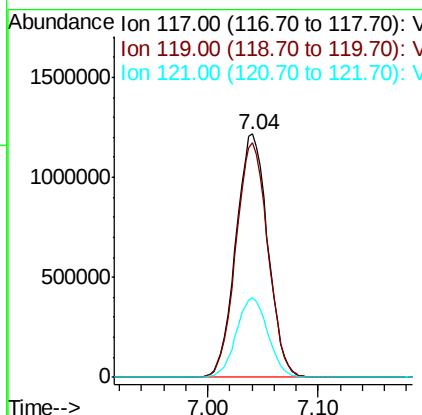
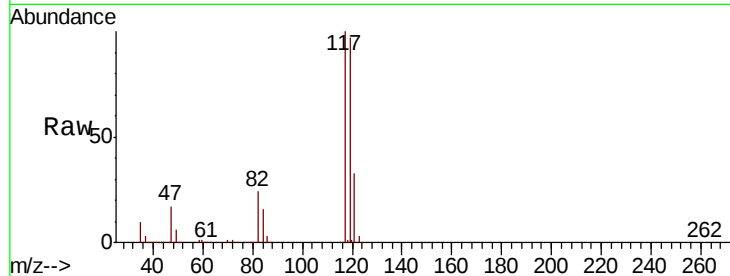




#35
Carbon Tetrachloride
Concen: 10.407 ppbv
RT: 7.04 min Scan# 1323
Delta R.T. 0.00 min
Lab File: VL035512.D
Acq: 27 Aug 2020 6:41

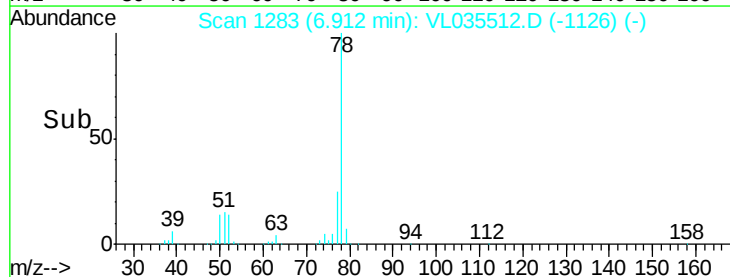
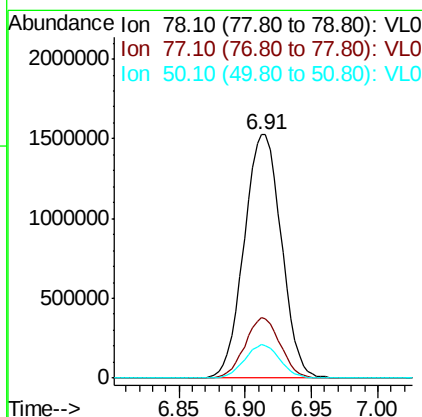
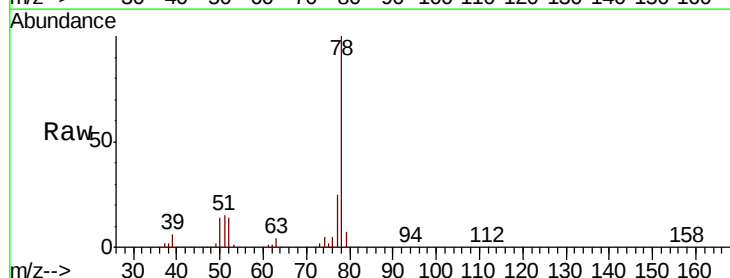
Instrument :
MSVOA_L
ClientSampleId :
ICVVL082720

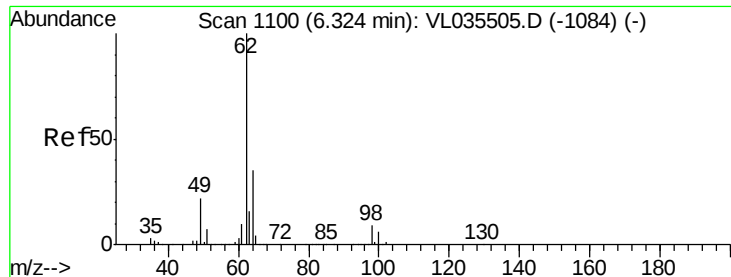
Tot Ion:117 Resp: 2437741
Ion Ratio Lower Upper
117 100
119 96.5 77.2 115.8
121 32.5 26.1 39.1



#36
Benzene
Concen: 9.881 ppbv
RT: 6.91 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VL035512.D
Acq: 27 Aug 2020 6:41

Tgt Ion: 78 Resp: 2980965
Ion Ratio Lower Upper
78 100
77 24.7 19.3 28.9
50 13.7 11.0 16.6





#37

1,2-Dichloroethane

Concen: 9.688 ppbv

RT: 6.33 min Scan# 1101

Delta R.T. 0.00 min

Lab File: VL035512.D

Acq: 27 Aug 2020 6:41

Instrument :

MSVOA_L

ClientSampleId :

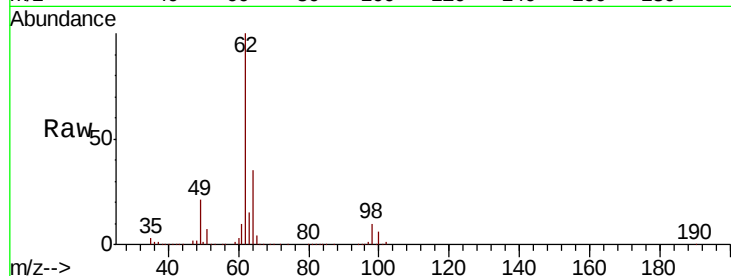
ICVVL082720

Tot Ion: 62 Resp: 1393368

Ion Ratio Lower Upper

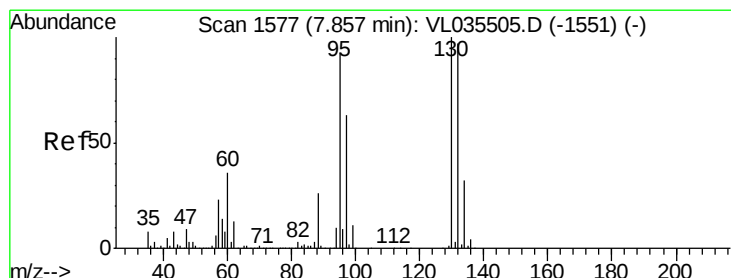
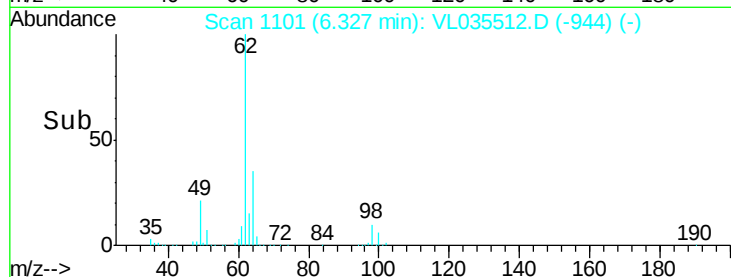
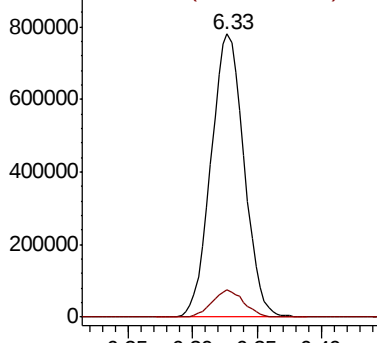
62 100

98 9.3 7.4 11.0



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



#38

Trichloroethene

Concen: 9.002 ppbv

RT: 7.86 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VL035512.D

Acq: 27 Aug 2020 6:41

Tgt Ion: 130 Resp: 1577456

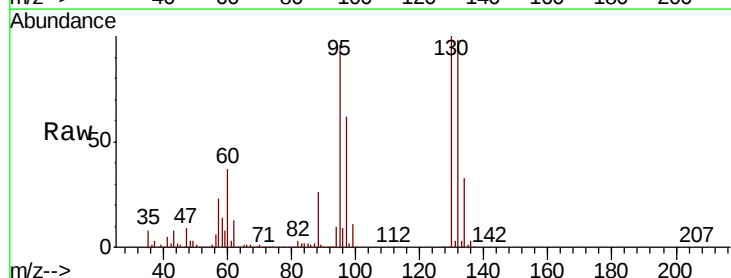
Ion Ratio Lower Upper

130 100

95 96.2 74.6 112.0

132 97.8 77.6 116.4

97 62.5 50.6 76.0

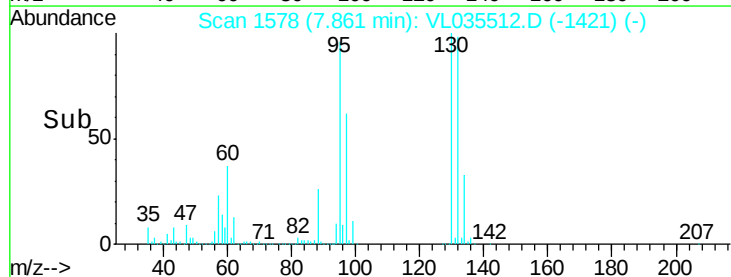
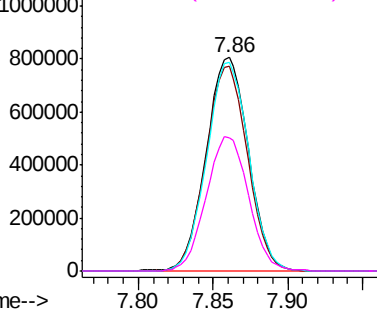


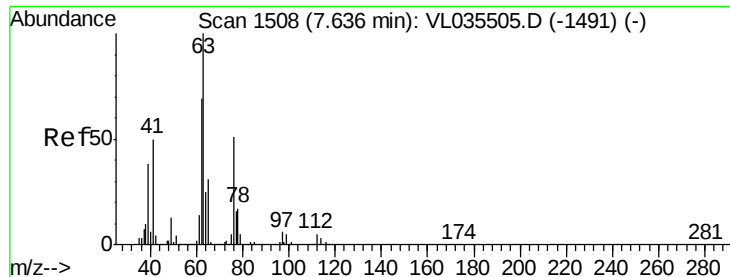
Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0

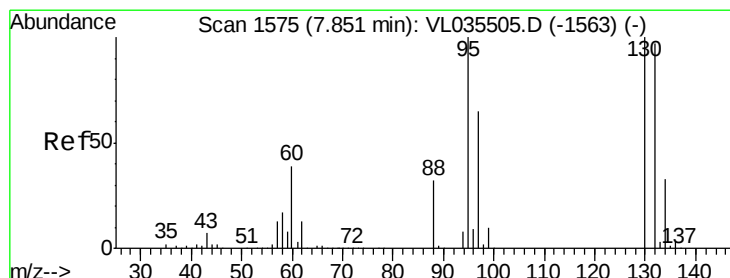
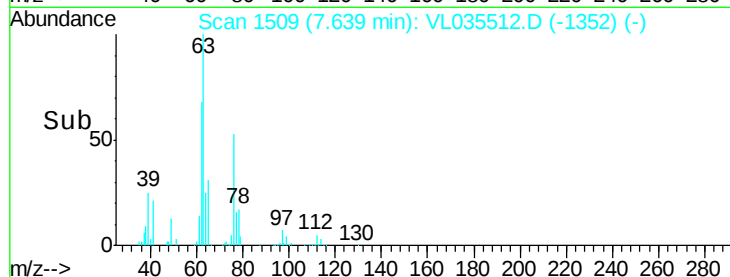
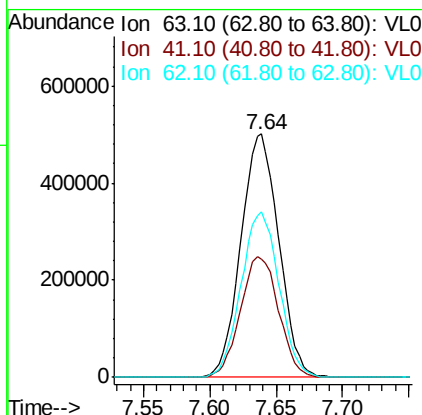
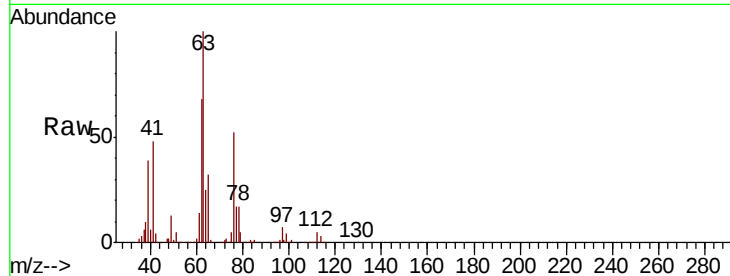




#39
 1,2-Dichloropropane
 Concen: 9.783 ppbv
 RT: 7.64 min Scan# 1509
 Delta R.T. 0.00 min
 Lab File: VL035512.D
 Acq: 27 Aug 2020 6:41

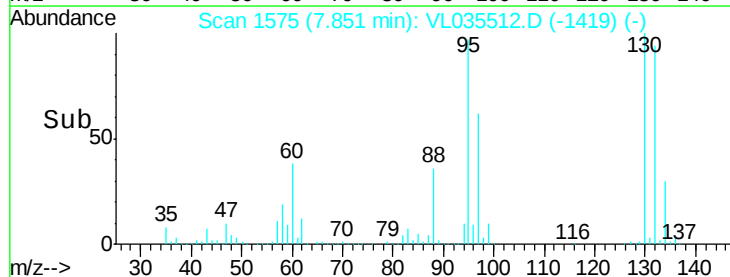
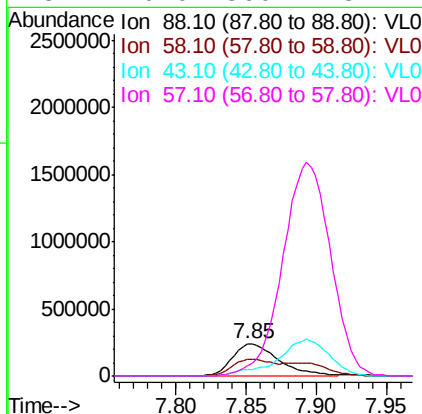
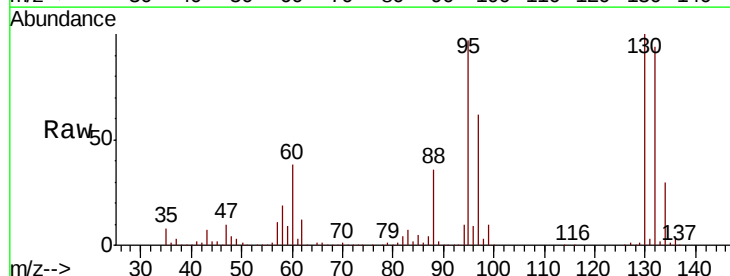
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL082720

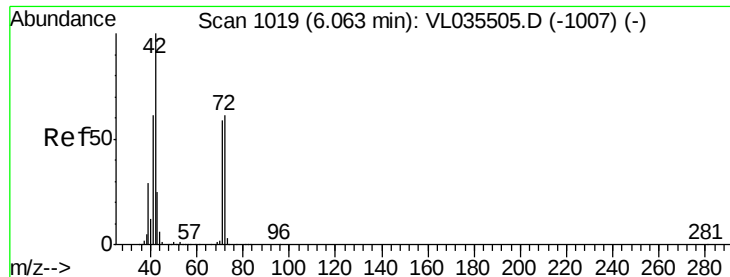
Tot Ion	Ratio	Lower	Upper
63	100		
41	48.4	40.0	60.0
62	68.1	55.4	83.0



#40
 1,4-Dioxane
 Concen: 10.635 ppbv
 RT: 7.85 min Scan# 1575
 Delta R.T. -0.00 min
 Lab File: VL035512.D
 Acq: 27 Aug 2020 6:41

Tgt Ion	Ratio	Lower	Upper
88	100		
58	86.6	68.7	103.1
43	0.0	104.3	156.5#
57	0.0	560.7	841.1#





#41

Tetrahydrofuran

Concen: 10.477 ppbv

RT: 6.07 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VL035512.D

Acq: 27 Aug 2020 6:41

Instrument :

MSVOA_L

ClientSampleId :

ICVVL082720

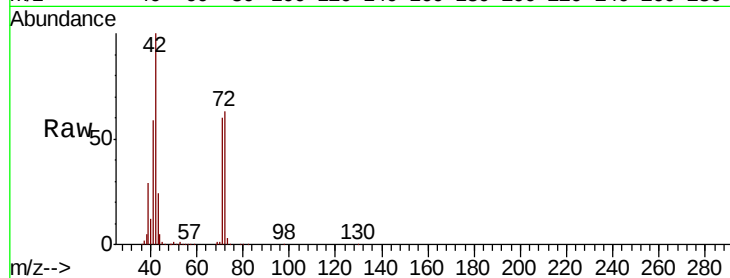
Tot Ion: 42 Resp: 768424

Ion Ratio Lower Upper

42 100

72 62.1 48.6 73.0

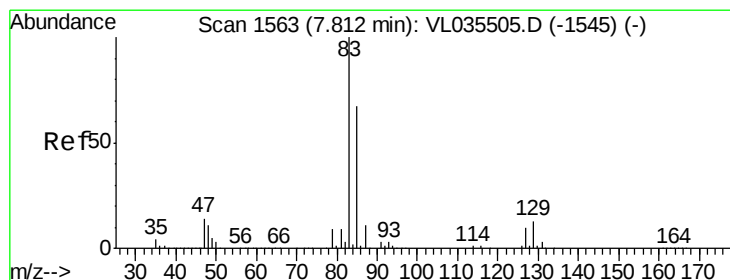
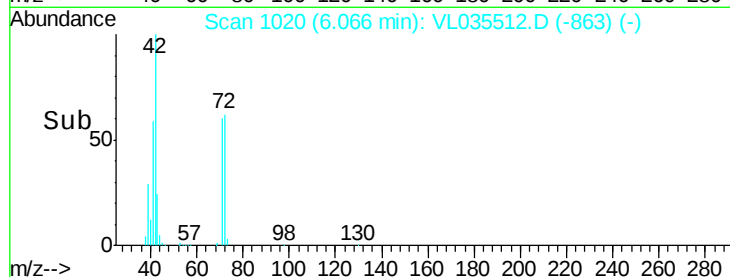
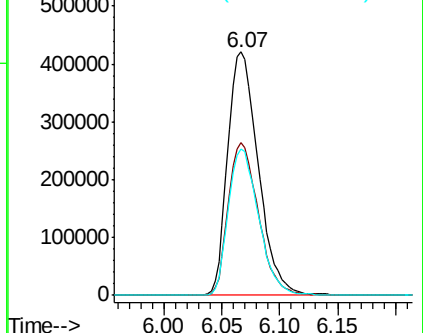
71 59.6 46.1 69.1



Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 10.484 ppbv

RT: 7.82 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VL035512.D

Acq: 27 Aug 2020 6:41

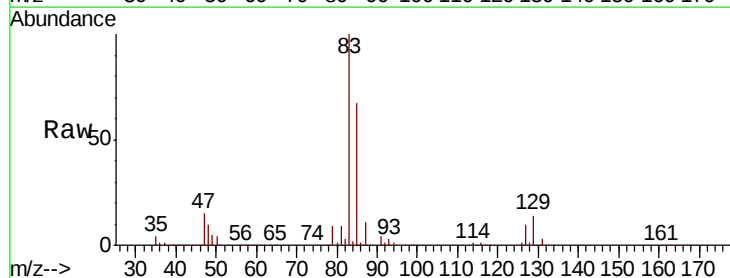
Tgt Ion: 83 Resp: 2438387

Ion Ratio Lower Upper

83 100

85 66.9 53.7 80.5

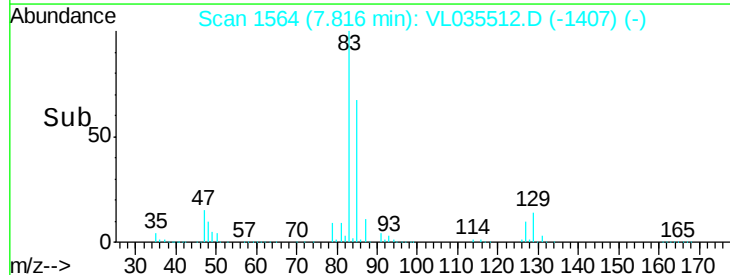
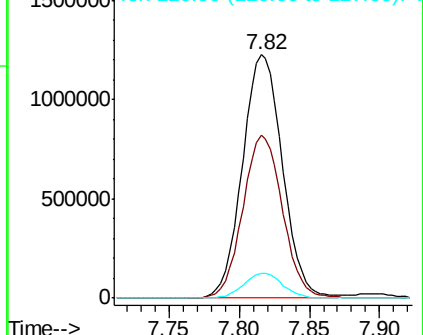
127 10.0 8.1 12.1

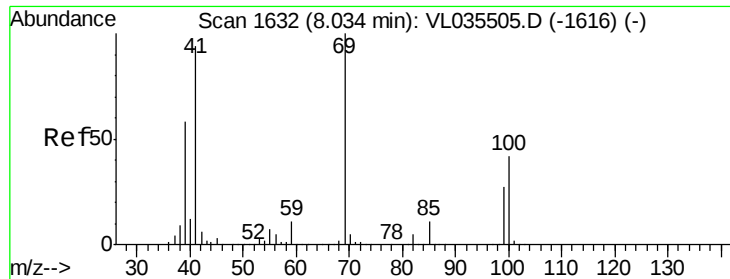


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V

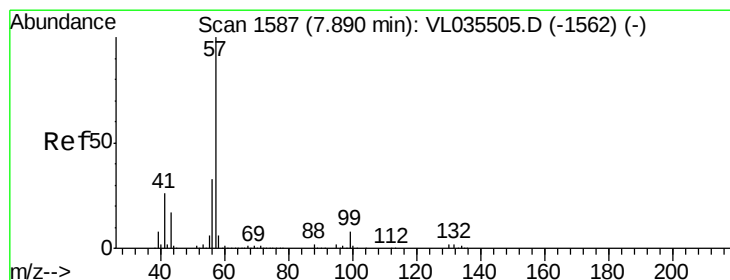
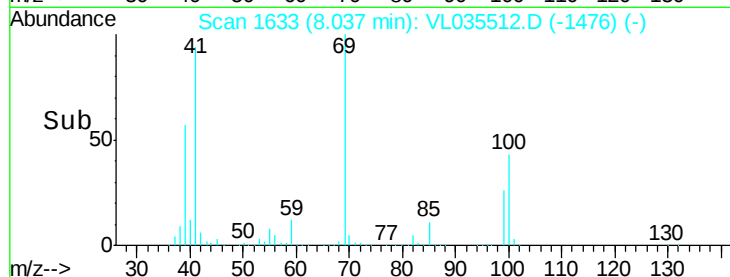
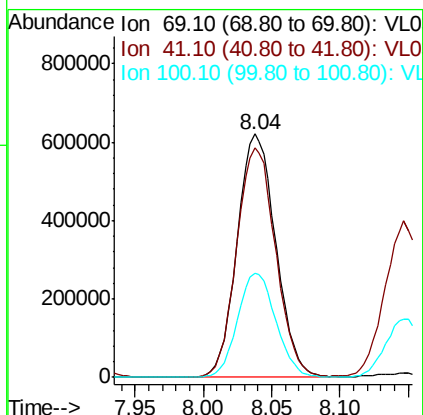
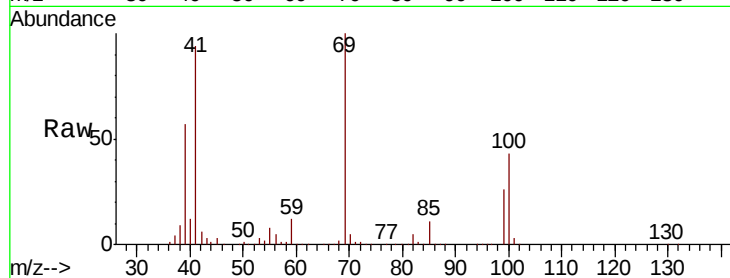




#43
Methvl Methacrvlate
Concen: 10.466 ppbv
RT: 8.04 min Scan# 1633
Delta R.T. 0.00 min
Lab File: VL035512.D
Acq: 27 Aug 2020 6:41

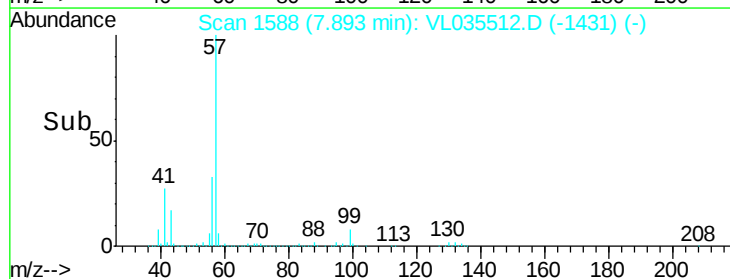
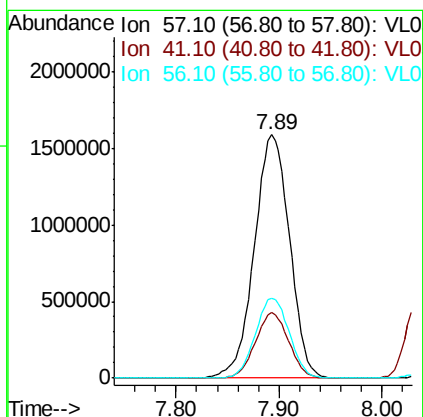
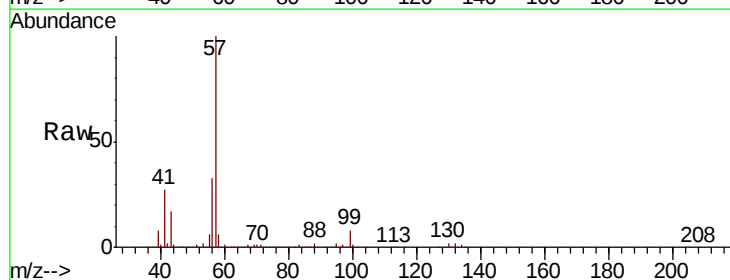
Instrument :
MSVOA_L
ClientSampleId :
ICVVL082720

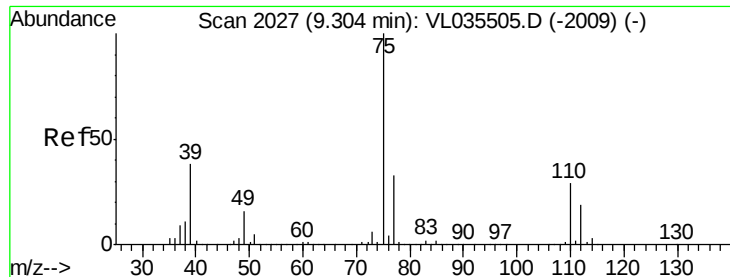
Tot Ion: 69 Resp: 1220924
Ion Ratio Lower Upper
69 100
41 95.2 76.6 114.8
100 42.5 33.8 50.6



#44
2,2,4-Trimethylpentane
Concen: 9.492 ppbv
RT: 7.89 min Scan# 1588
Delta R.T. 0.00 min
Lab File: VL035512.D
Acq: 27 Aug 2020 6:41

Tgt Ion: 57 Resp: 3767706
Ion Ratio Lower Upper
57 100
41 25.5 20.5 30.7
56 31.6 25.3 37.9

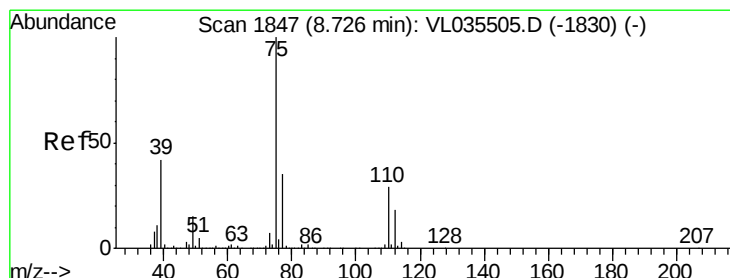
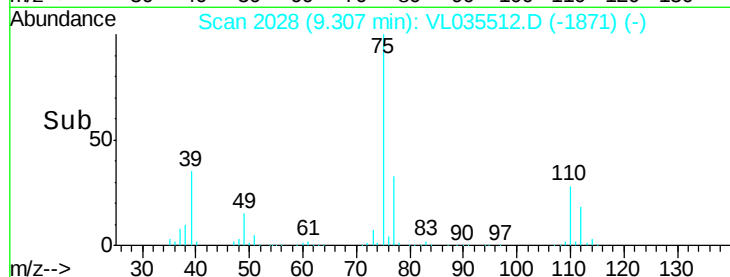
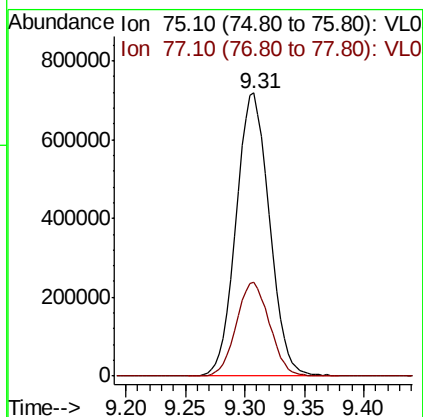
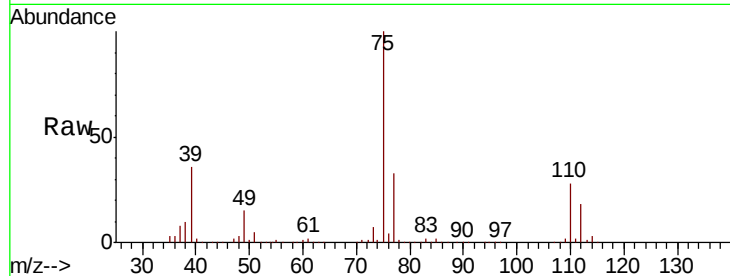




#45
t-1,3-Dichloropropene
Concen: 11.821 ppbv
RT: 9.31 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VL035512.D
Acq: 27 Aug 2020 6:41

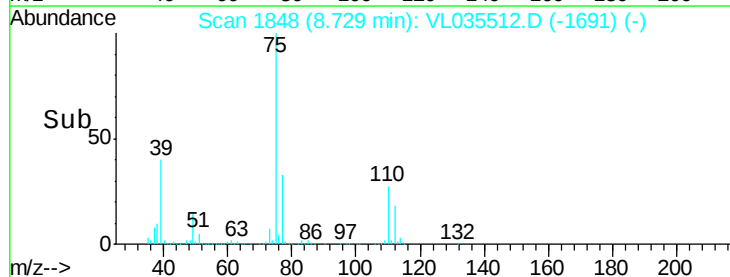
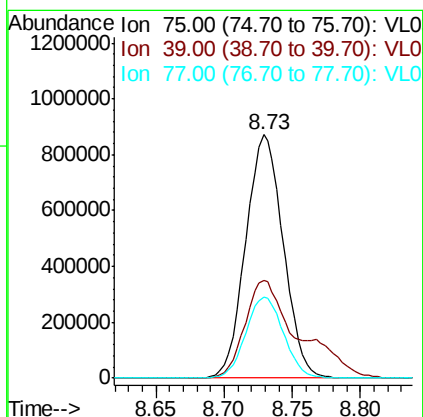
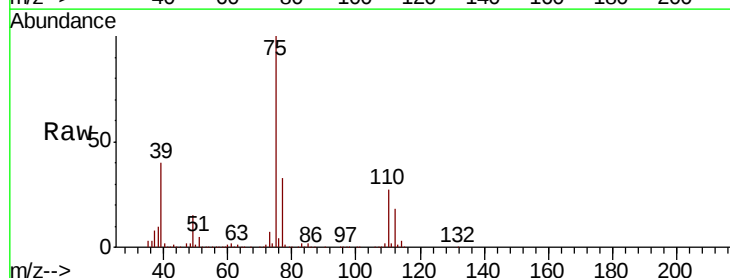
Instrument :
MSVOA_L
ClientSampleId :
ICVVL082720

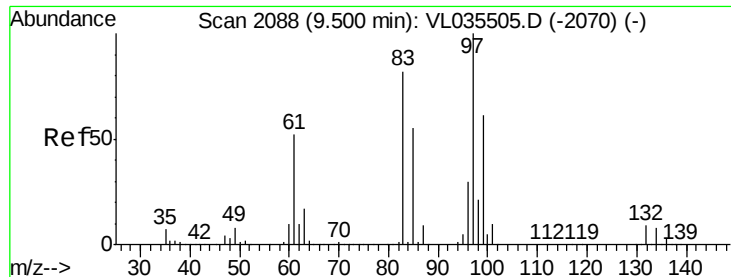
Tot Ion: 75 Resp: 1396963
Ion Ratio Lower Upper
75 100
77 33.1 26.5 39.7



#46
cis-1,3-Dichloropropene
Concen: 11.328 ppbv
RT: 8.73 min Scan# 1848
Delta R.T. 0.00 min
Lab File: VL035512.D
Acq: 27 Aug 2020 6:41

Tgt Ion: 75 Resp: 1662126
Ion Ratio Lower Upper
75 100
39 39.9 33.7 50.5
77 33.0 27.8 41.6



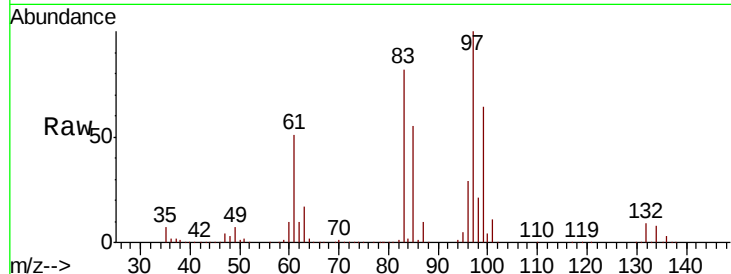


#47
 1,1,2-Trichloroethane
 Concen: 9.824 ppbv
 RT: 9.50 min Scan# 2089
 Delta R.T. 0.00 min
 Lab File: VL035512.D
 Acq: 27 Aug 2020 6:41

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL082720

Tot Ion: 97 Resp: 1477320

Ion	Ratio	Lower	Upper
97	100		
83	82.2	65.4	98.2
85	54.8	43.7	65.5
99	64.4	49.1	73.7



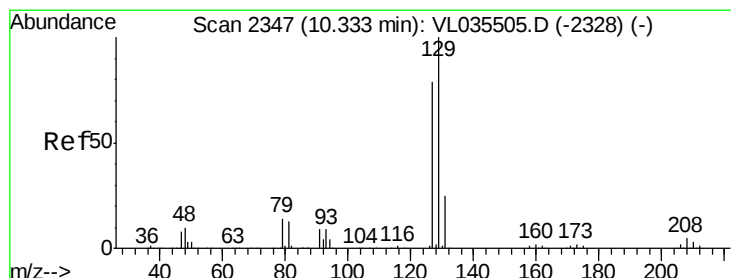
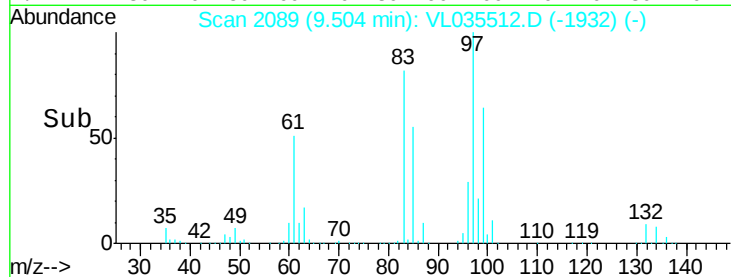
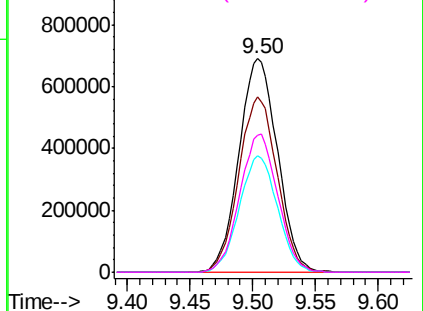
Abundance

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

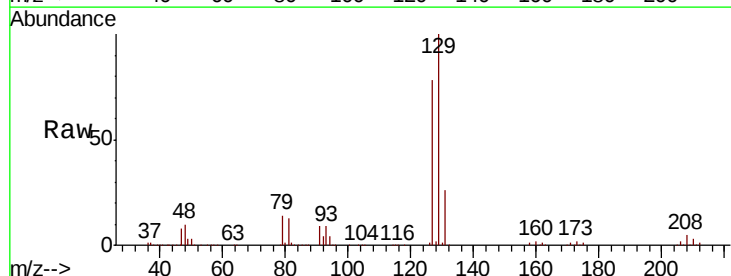
Ion 99.00 (98.70 to 99.70): VL0



#48
 Dibromochloromethane
 Concen: 11.079 ppbv
 RT: 10.34 min Scan# 2348
 Delta R.T. 0.00 min
 Lab File: VL035512.D
 Acq: 27 Aug 2020 6:41

Tgt Ion: 129 Resp: 2622056

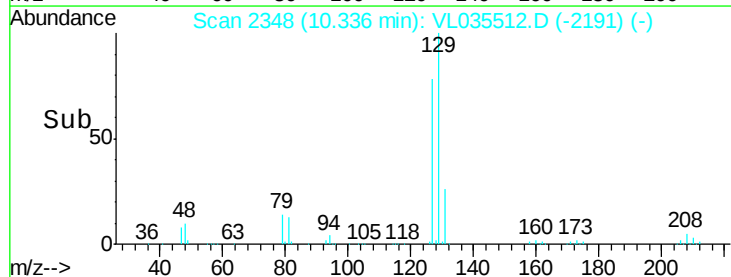
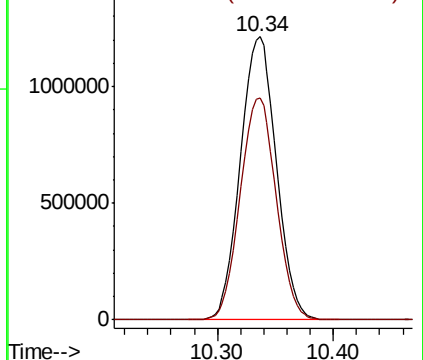
Ion	Ratio	Lower	Upper
129	100		
127	78.5	39.3	117.8

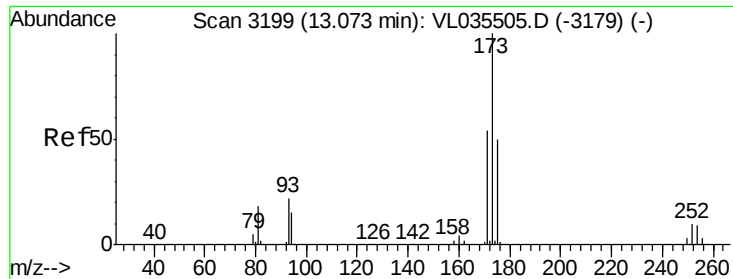


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 11.716 ppbv

RT: 13.08 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VL035512.D

Acq: 27 Aug 2020 6:41

Instrument :

MSVOA_L

ClientSampleId :

ICVVL082720

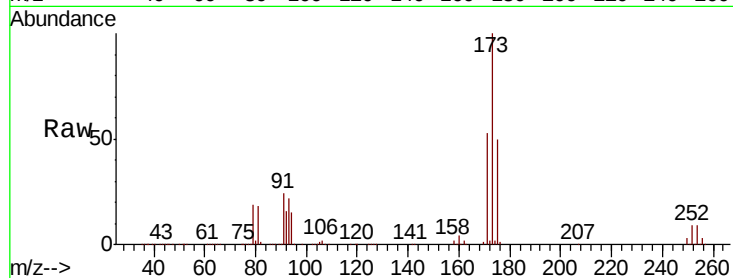
Tot Ion:173 Resp: 2512943

Ion Ratio Lower Upper

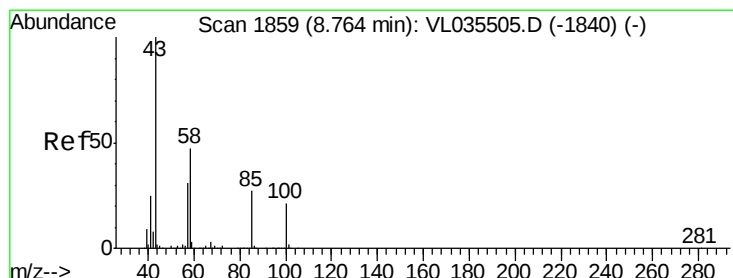
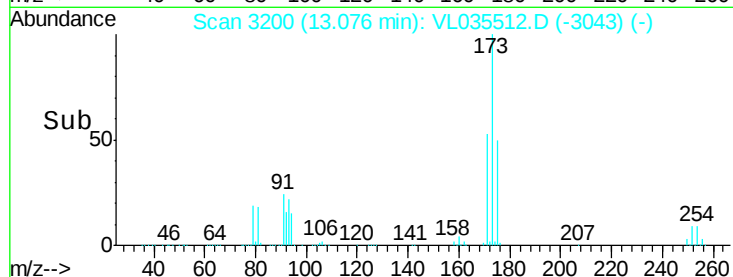
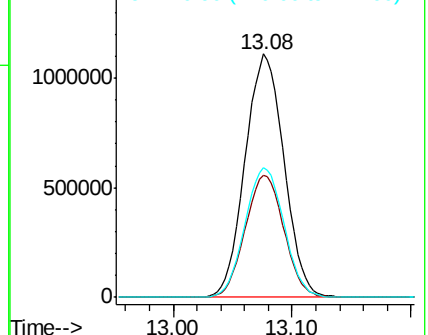
173 100

175 50.2 39.8 59.8

171 53.6 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: 9.965 ppbv

RT: 8.77 min Scan# 1860

Delta R.T. 0.00 min

Lab File: VL035512.D

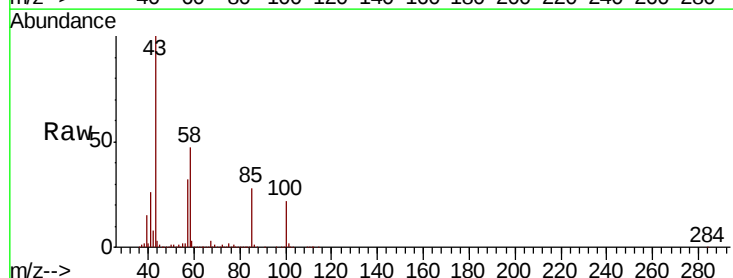
Acq: 27 Aug 2020 6:41

Tgt Ion: 43 Resp: 1995738

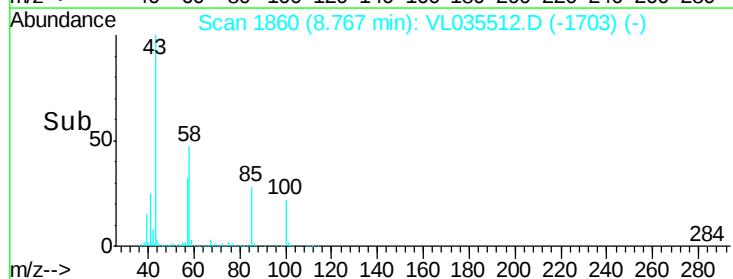
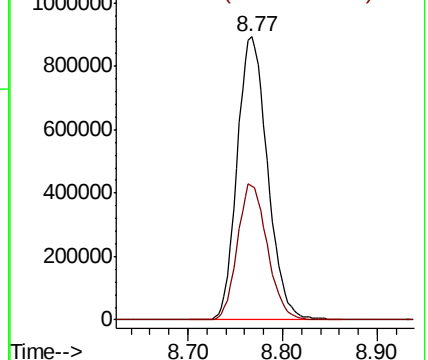
Ion Ratio Lower Upper

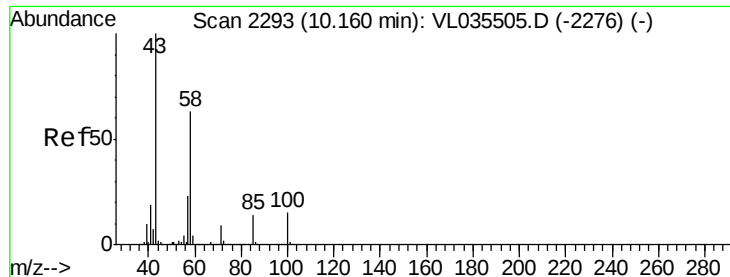
43 100

58 47.3 37.4 56.0



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





#51

2-Hexanone

Concen: 10.539 ppbv

RT: 10.16 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VL035512.D

Acq: 27 Aug 2020 6:41

Instrument :

MSVOA_L

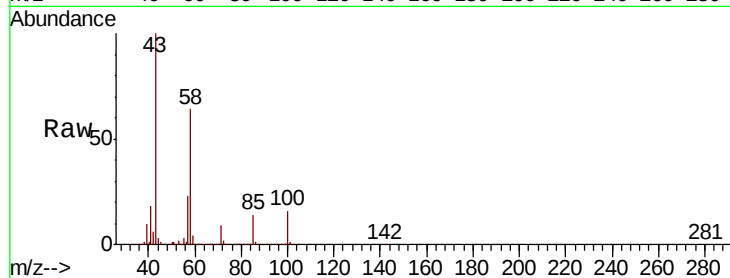
ClientSampleId :

ICVVL082720

Tot Ion: 43 Resp: 1731435

Ion Ratio Lower Upper

43	100		
58	63.7	50.2	75.4
98	0.3	0.4	0.6#

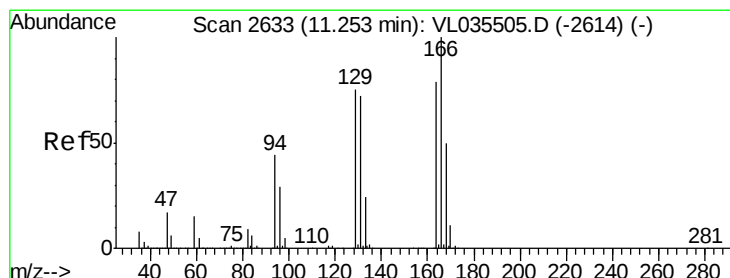
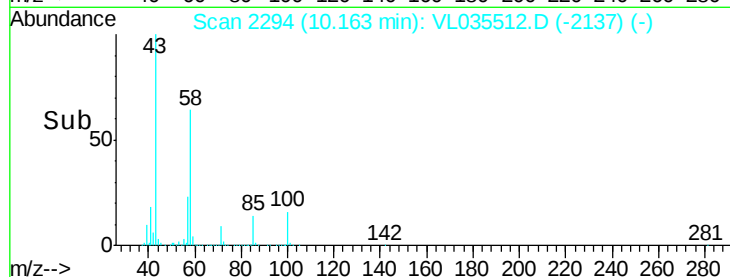
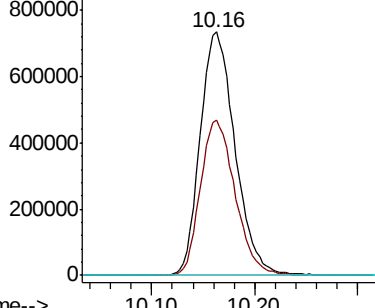


Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 9.470 ppbv

RT: 11.26 min Scan# 2634

Delta R.T. 0.00 min

Lab File: VL035512.D

Acq: 27 Aug 2020 6:41

Tgt Ion: 164 Resp: 1668941

Ion Ratio Lower Upper

164	100		
166	124.4	100.9	151.3
129	90.9	75.3	112.9
131	89.5	73.0	109.4

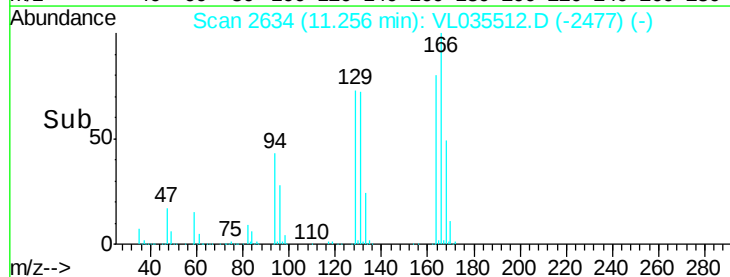
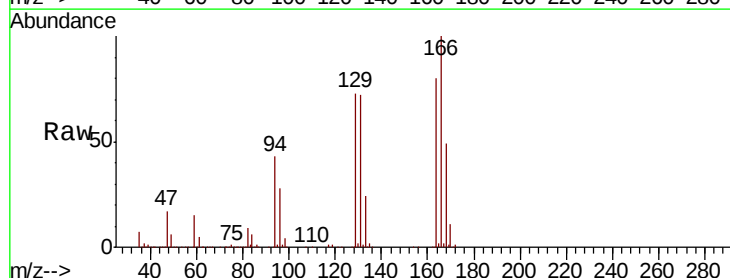
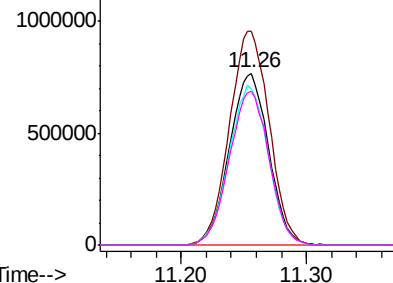
Abundance

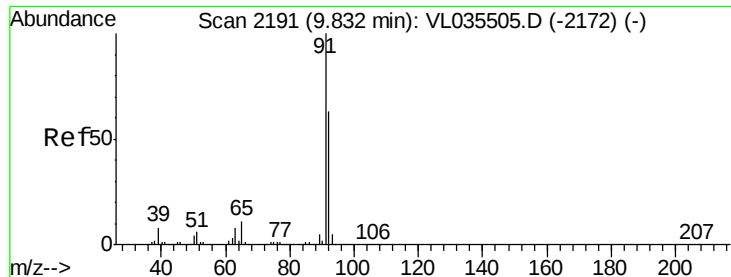
Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 10.093 ppbv

RT: 9.83 min Scan# 2192

Delta R.T. 0.00 min

Lab File: VL035512.D

Acq: 27 Aug 2020 6:41

Instrument :

MSVOA_L

ClientSampleId :

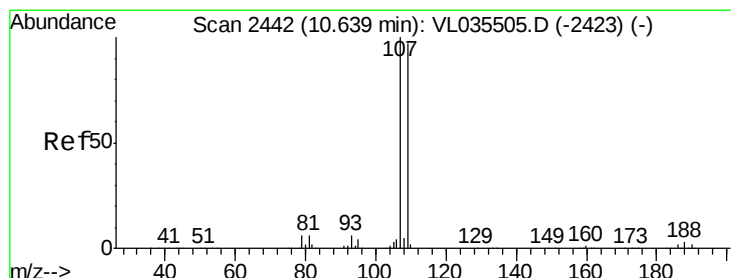
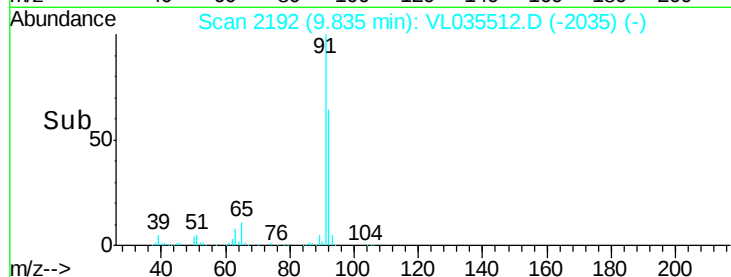
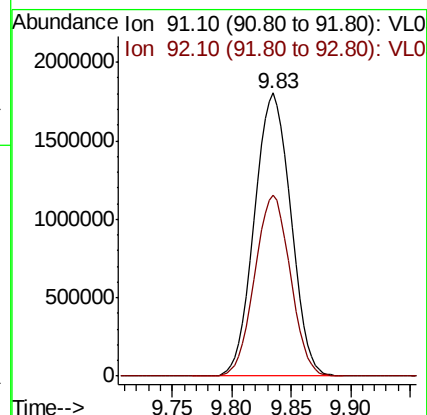
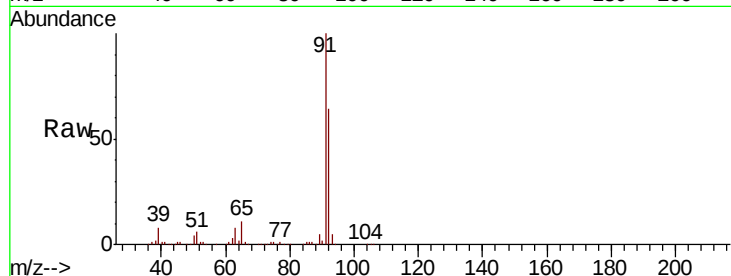
ICVVL082720

Tot Ion: 91 Resp: 3829104

Ion Ratio Lower Upper

91 100

92 62.5 49.8 74.8



#54

1,2-Dibromoethane

Concen: 10.004 ppbv

RT: 10.65 min Scan# 2444

Delta R.T. 0.01 min

Lab File: VL035512.D

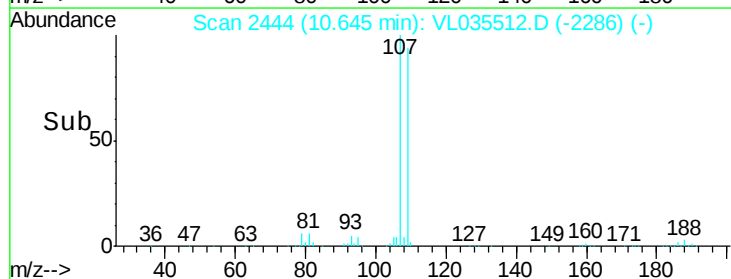
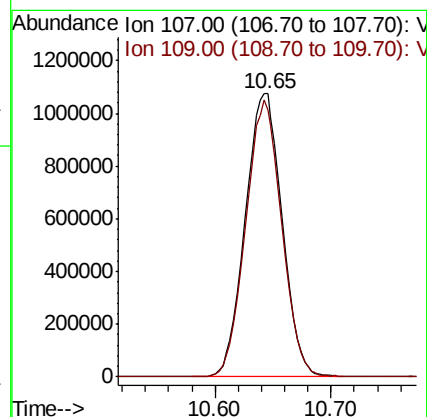
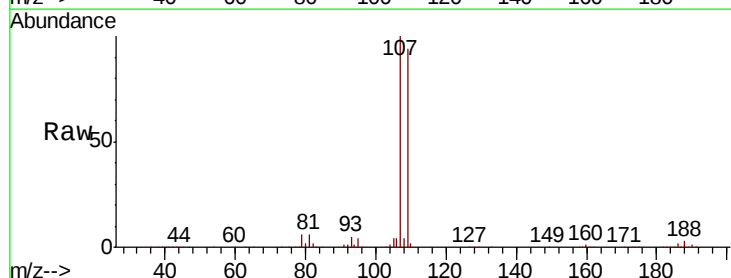
Acq: 27 Aug 2020 6:41

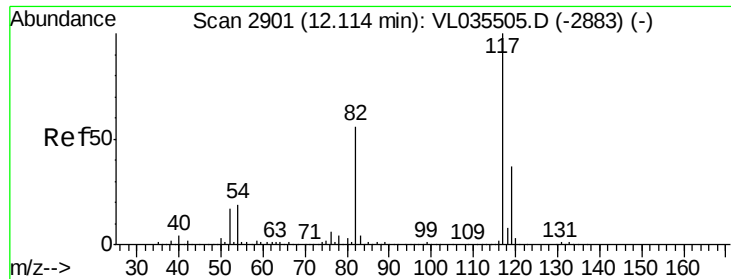
Tgt Ion:107 Resp: 2377011

Ion Ratio Lower Upper

107 100

109 94.4 77.8 116.8

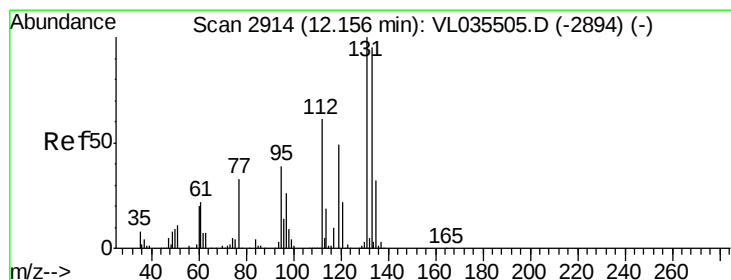
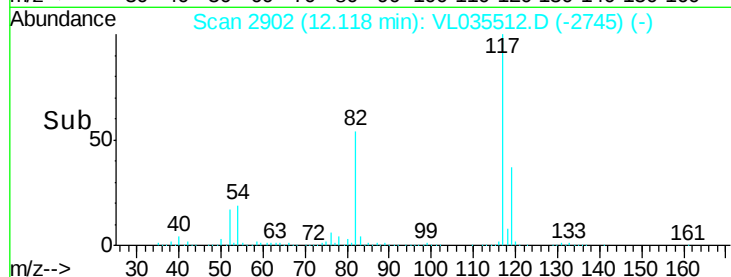
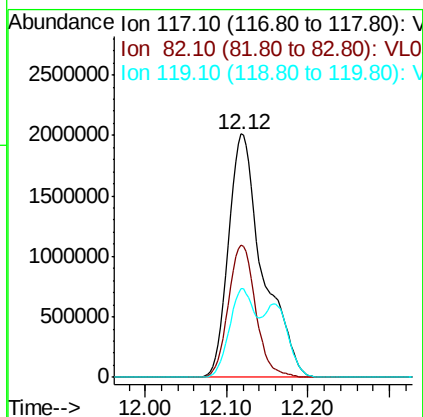
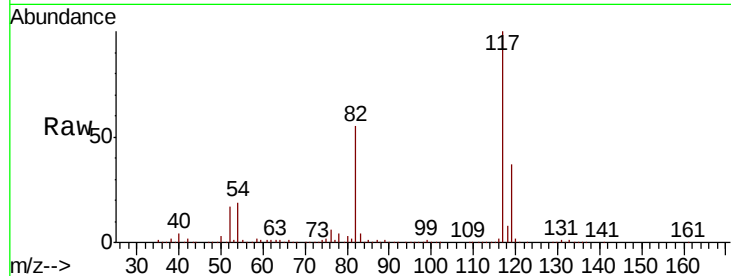




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.12 min Scan# 2902
Delta R.T. 0.00 min
Lab File: VL035512.D
Acq: 27 Aug 2020 6:41

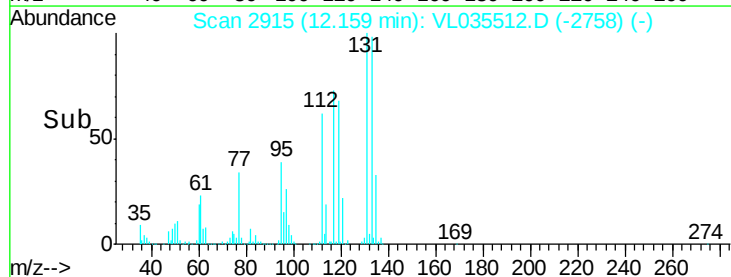
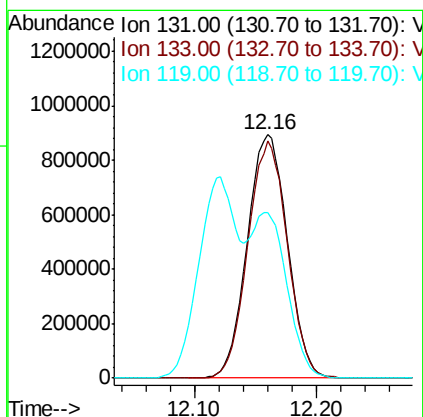
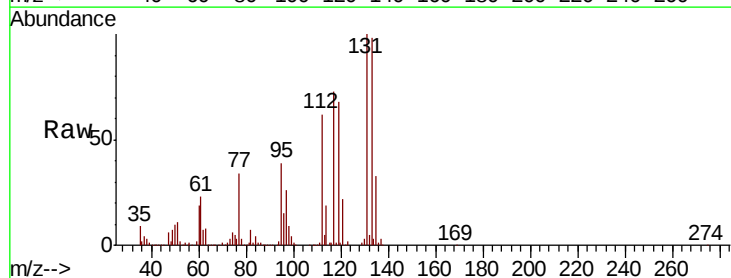
Instrument :
MSVOA_L
ClientSampleId :
ICVVL082720

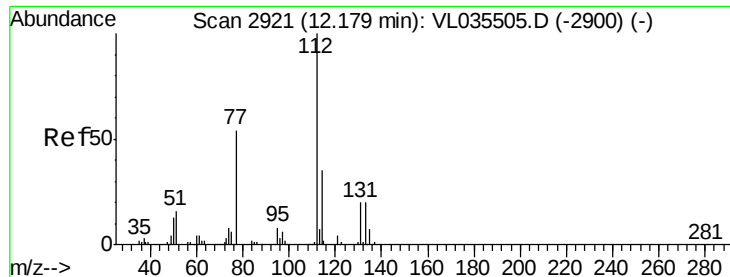
Tot Ion:117 Resp: 5940573
Ion Ratio Lower Upper
117 100
82 43.6 41.6 62.4
119 27.6 29.3 43.9#



#56
1,1,1,2-Tetrachloroethane
Concen: 8.391 ppbv
RT: 12.16 min Scan# 2915
Delta R.T. 0.00 min
Lab File: VL035512.D
Acq: 27 Aug 2020 6:41

Tgt Ion:131 Resp: 2028270
Ion Ratio Lower Upper
131 100
133 96.1 76.6 115.0
119 63.9 51.6 77.4

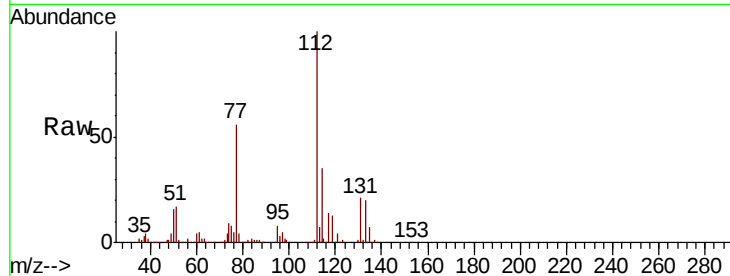




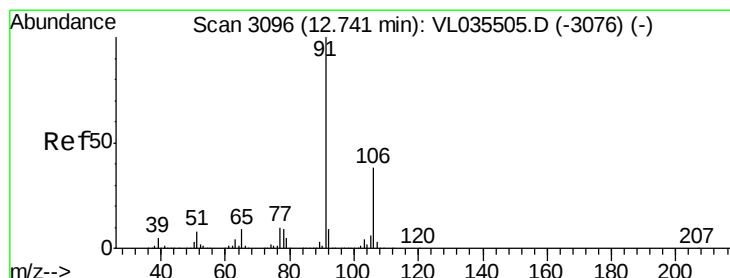
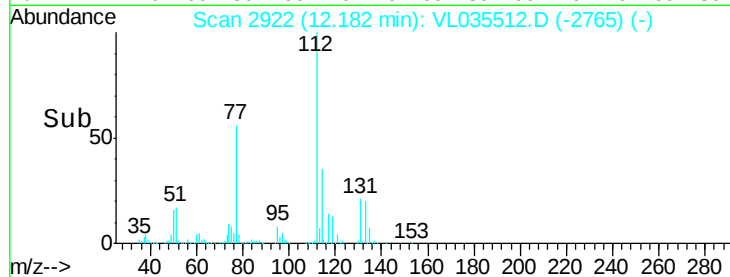
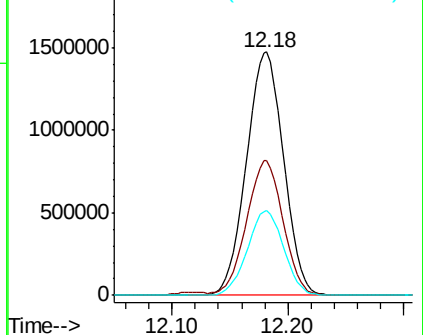
#57
Chlorobenzene
Concen: 7.528 ppbv
RT: 12.18 min Scan# 2922
Delta R.T. 0.00 min
Lab File: VL035512.D
Acq: 27 Aug 2020 6:41

Instrument :
MSVOA_L
ClientSampleId :
ICVVL082720

Tot Ion:112 Resp: 3291176
Ion Ratio Lower Upper
112 100
77 55.3 44.2 66.4
114 34.8 31.6 38.6

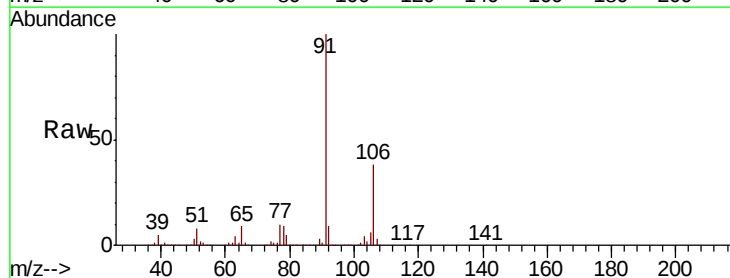


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

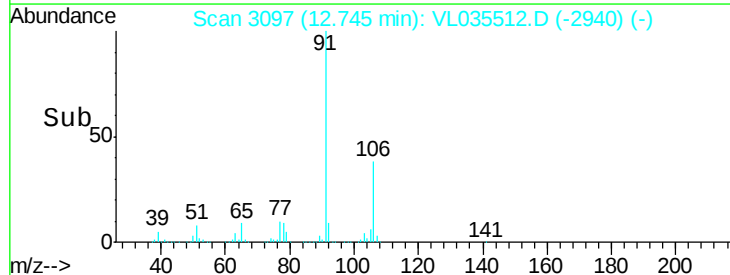
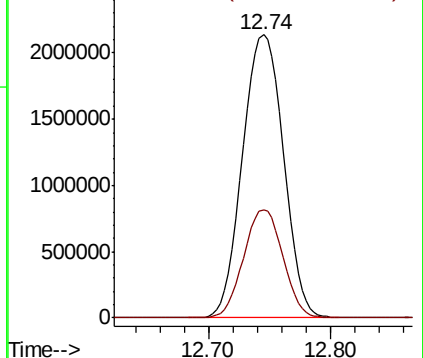


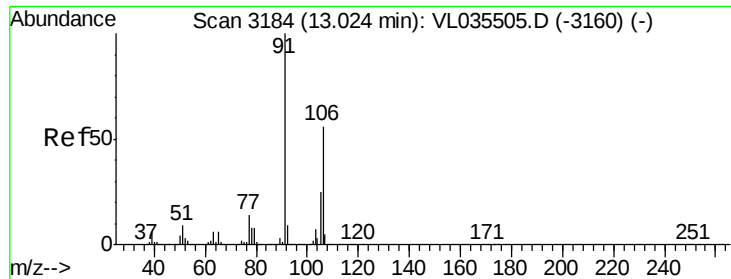
#58
Ethyl Benzene
Concen: 8.131 ppbv
RT: 12.74 min Scan# 3097
Delta R.T. 0.00 min
Lab File: VL035512.D
Acq: 27 Aug 2020 6:41

Tgt Ion: 91 Resp: 4981153
Ion Ratio Lower Upper
91 100
106 38.1 30.3 45.5



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V

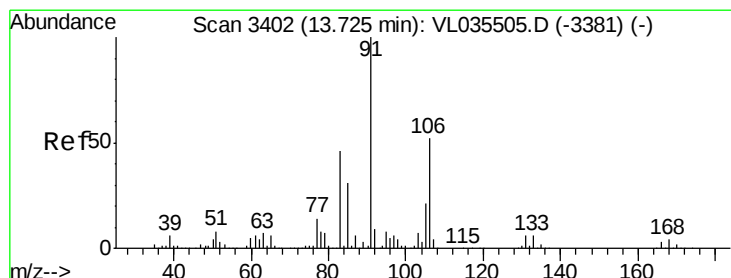
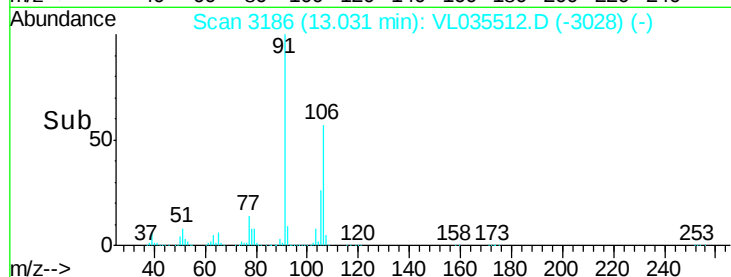
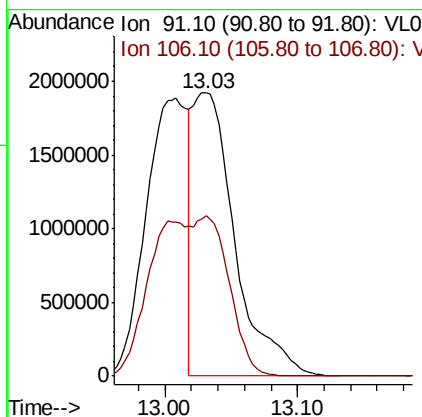
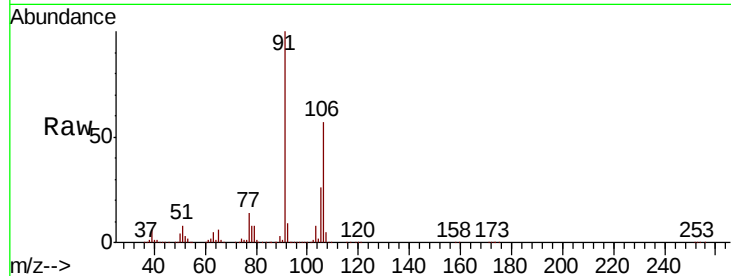




#59
m/p-Xylene
Concen: 8.231 ppbv
RT: 13.03 min Scan# 3186
Delta R.T. 0.01 min
Lab File: VL035512.D
Acq: 27 Aug 2020 6:41

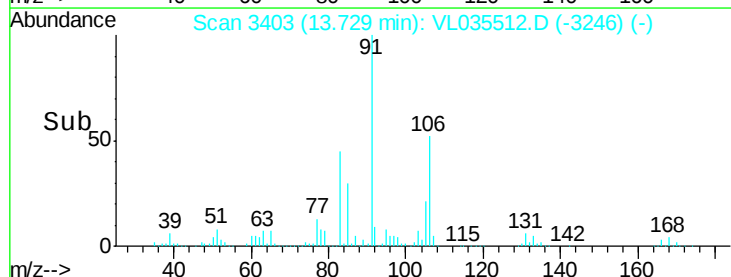
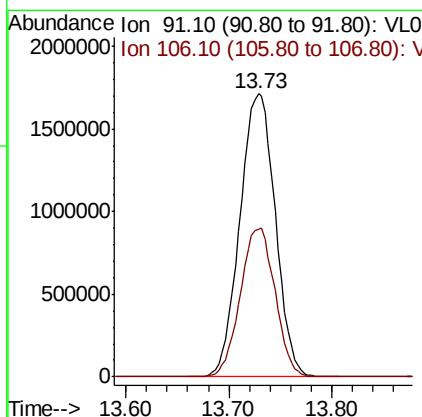
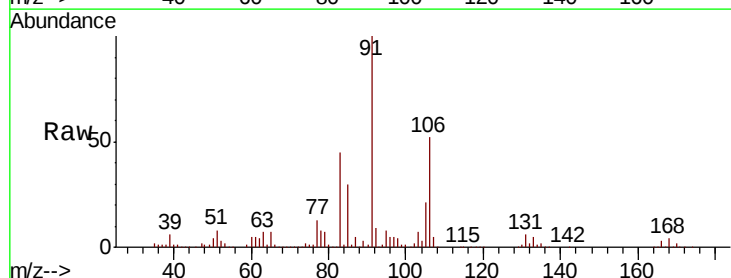
Instrument :
MSVOA_L
ClientSampleId :
ICVVL082720

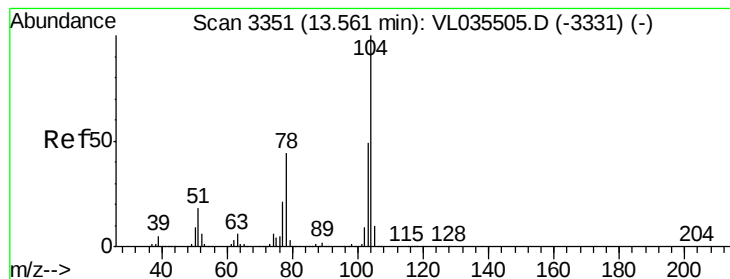
Tot Ion: 91 Resp: 4213516
Ion Ratio Lower Upper
91 100
106 103.0 43.4 65.2#



#60
o-Xylene
Concen: 7.917 ppbv
RT: 13.73 min Scan# 3403
Delta R.T. 0.00 min
Lab File: VL035512.D
Acq: 27 Aug 2020 6:41

Tgt Ion: 91 Resp: 4081346
Ion Ratio Lower Upper
91 100
106 51.6 25.8 77.4





#61

Stvrene

Concen: 8.606 ppbv

RT: 13.56 min Scan# 3352

Delta R.T. 0.00 min

Lab File: VL035512.D

Acq: 27 Aug 2020 6:41

Instrument :

MSVOA_L

ClientSampleId :

ICVVL082720

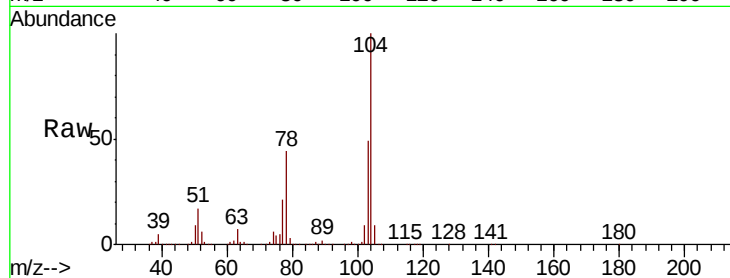
Tot Ion:104 Resp: 3393224

Ion Ratio Lower Upper

104 100

78 43.4 34.8 52.2

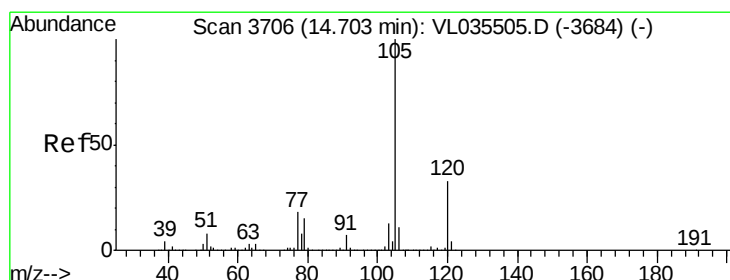
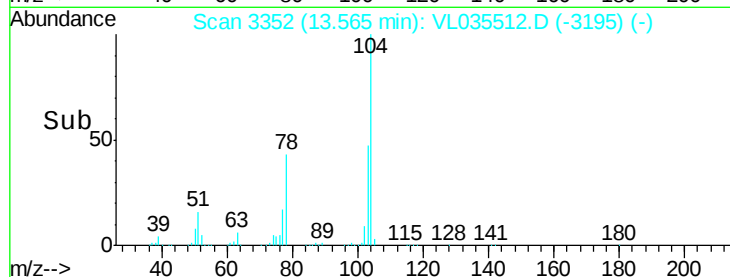
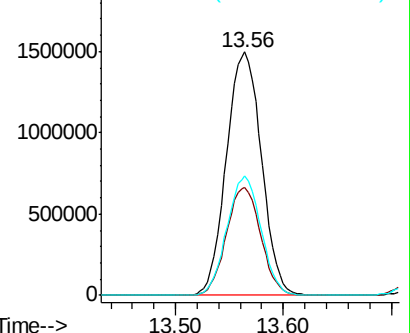
103 47.4 38.2 57.4



Abundance Ion 104.10 (103.80 to 104.80): V

2000000 Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 7.711 ppbv

RT: 14.71 min Scan# 3707

Delta R.T. 0.00 min

Lab File: VL035512.D

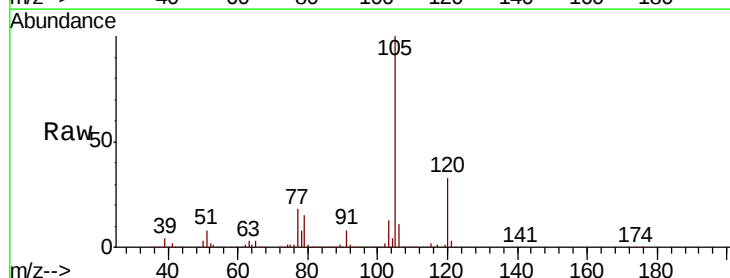
Acq: 27 Aug 2020 6:41

Tgt Ion:105 Resp: 6386233

Ion Ratio Lower Upper

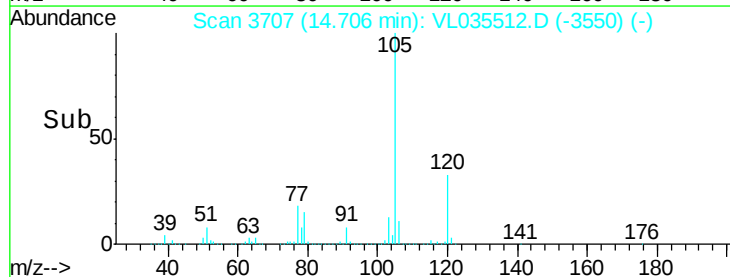
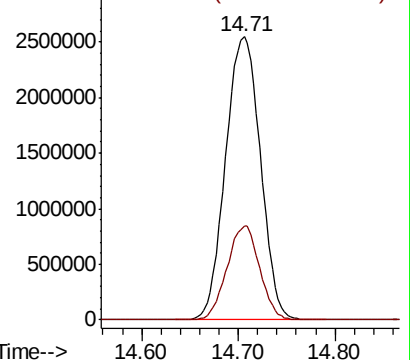
105 100

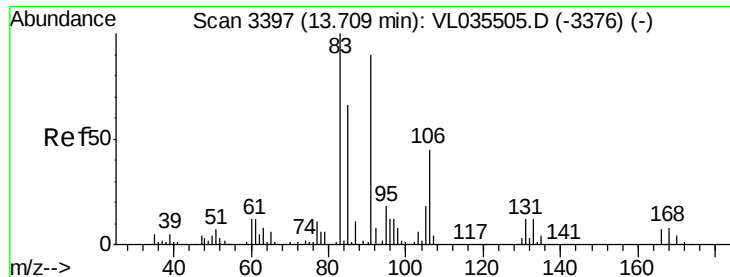
120 31.1 25.0 37.4



Abundance Ion 105.10 (104.80 to 105.80): V

3000000 Ion 120.20 (119.90 to 120.90): V

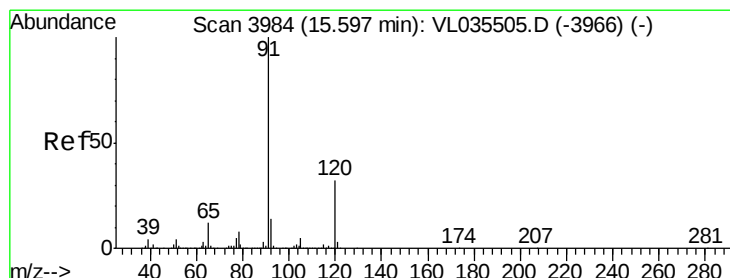
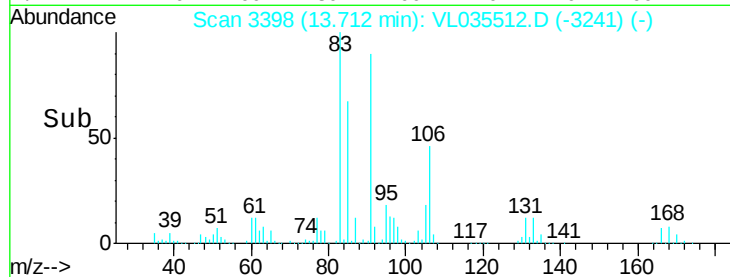
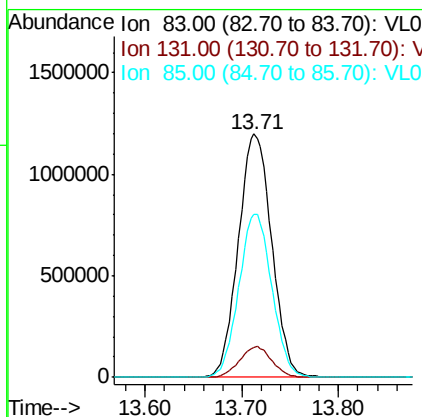
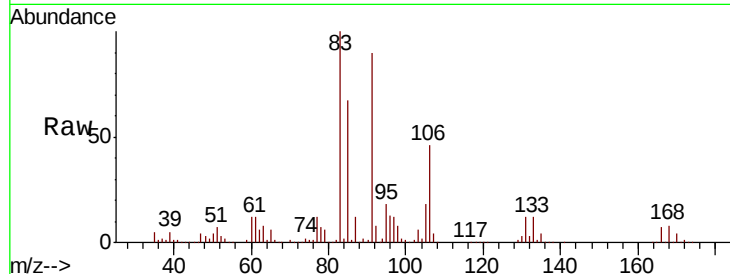




#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.204 ppbv
 RT: 13.71 min Scan# 3398
 Delta R.T. 0.00 min
 Lab File: VL035512.D
 Acq: 27 Aug 2020 6:41

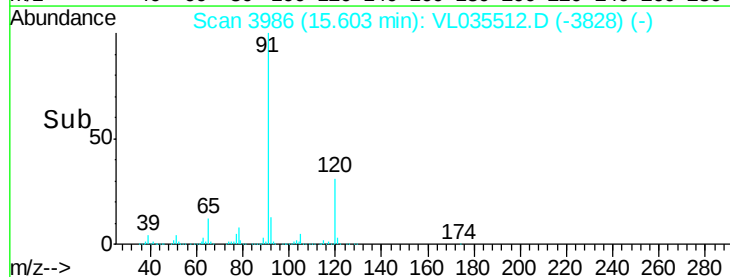
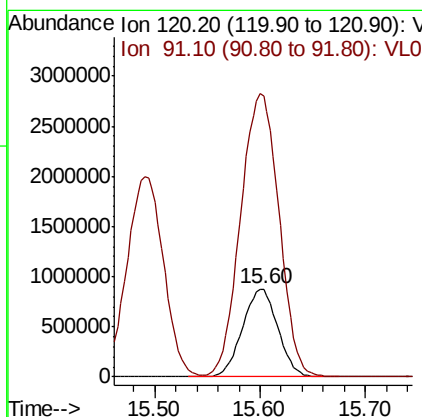
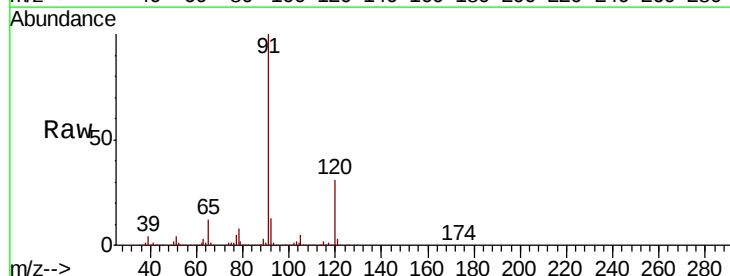
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL082720

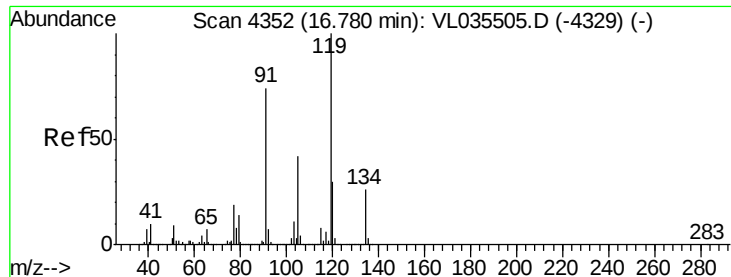
Tot Ion: 83 Resp: 2879645
 Ion Ratio Lower Upper
 83 100
 131 12.1 6.0 18.0
 85 66.5 33.4 100.2



#64
 n-propylbenzene
 Concen: 8.105 ppbv
 RT: 15.60 min Scan# 3986
 Delta R.T. 0.01 min
 Lab File: VL035512.D
 Acq: 27 Aug 2020 6:41

Tgt Ion:120 Resp: 2048261
 Ion Ratio Lower Upper
 120 100
 91 350.0 279.4 419.0

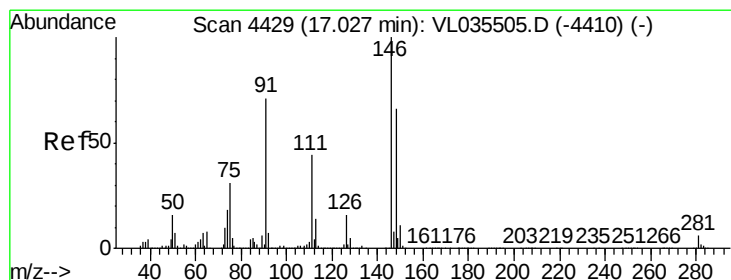
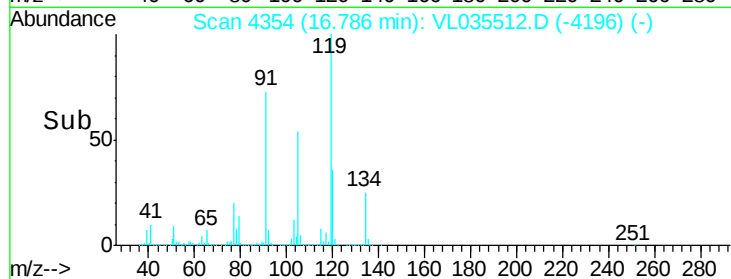
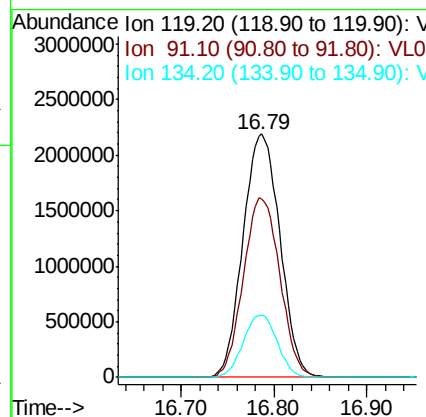
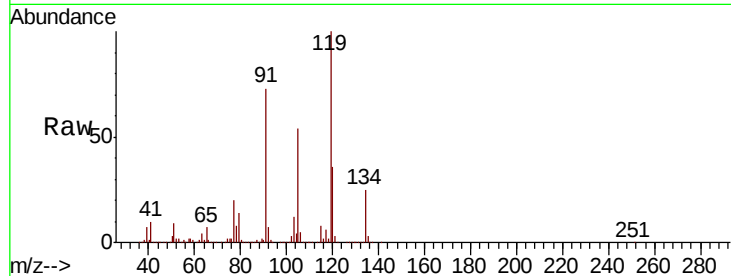




#65
 tert-Butylbenzene
 Concen: 7.898 ppbv
 RT: 16.79 min Scan# 4354
 Delta R.T. 0.01 min
 Lab File: VL035512.D
 Acq: 27 Aug 2020 6:41

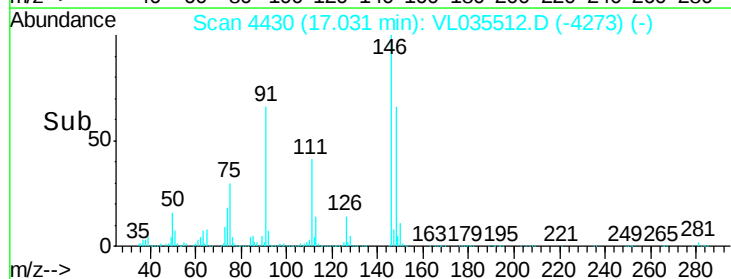
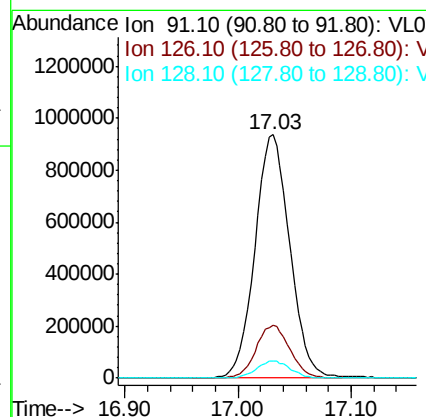
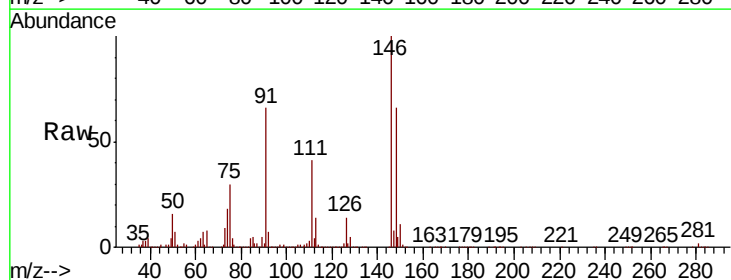
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL082720

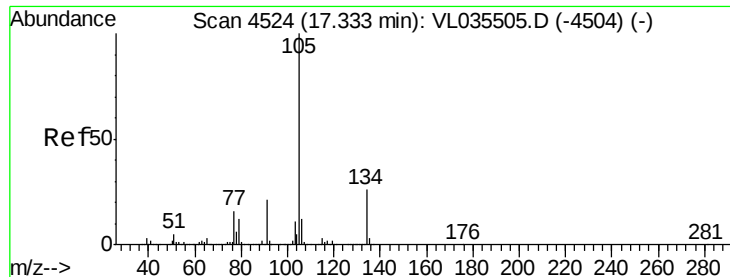
Tot Ion:119 Resp: 6080536
 Ion Ratio Lower Upper
 119 100
 91 72.7 58.6 87.8
 134 23.7 18.9 28.3



#66
 Benzyl Chloride
 Concen: 10.458 ppbv
 RT: 17.03 min Scan# 4430
 Delta R.T. 0.00 min
 Lab File: VL035512.D
 Acq: 27 Aug 2020 6:41

Tgt Ion: 91 Resp: 2000912
 Ion Ratio Lower Upper
 91 100
 126 21.2 17.2 25.8
 128 6.9 5.5 8.3

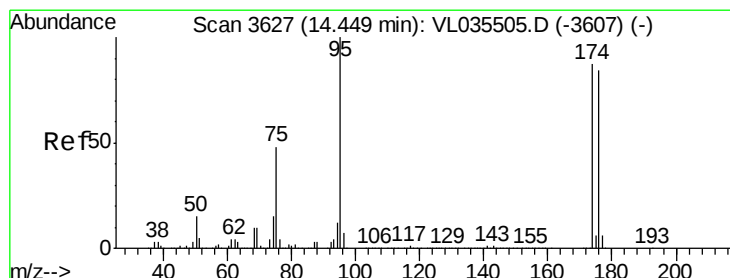
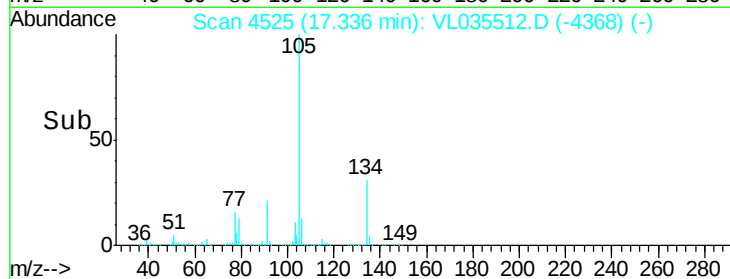
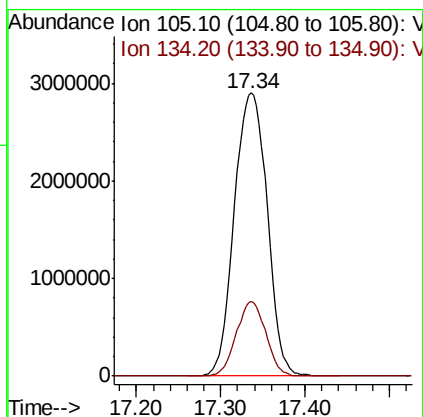
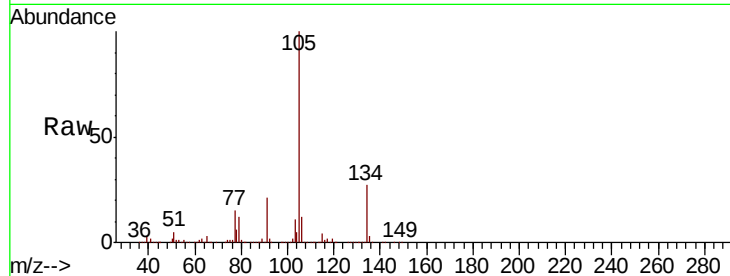




#67
 sec-Butylbenzene
 Concen: 7.683 ppbv
 RT: 17.34 min Scan# 4525
 Delta R.T. 0.00 min
 Lab File: VL035512.D
 Acq: 27 Aug 2020 6:41

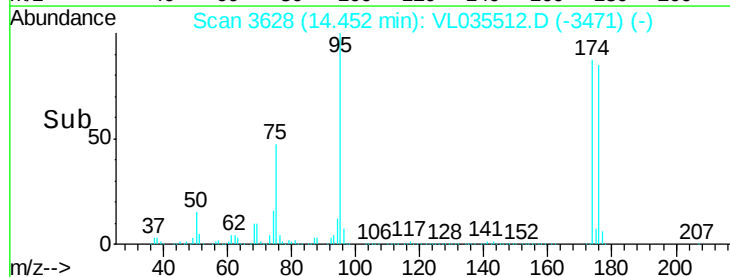
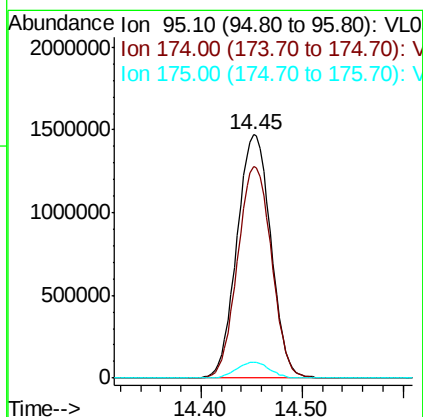
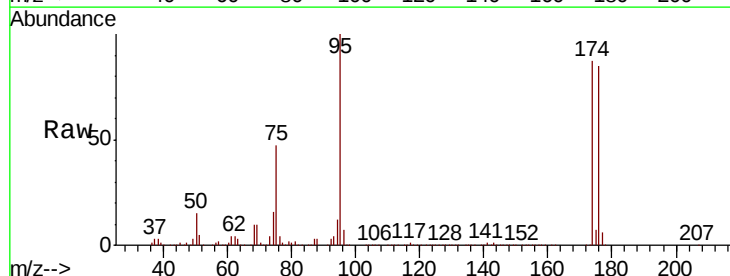
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL082720

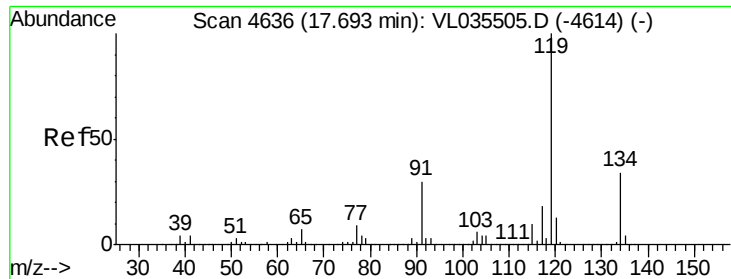
Tot Ion:105 Resp: 7879913
 Ion Ratio Lower Upper
 105 100
 134 23.7 19.1 28.7



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.134 ppbv
 RT: 14.45 min Scan# 3628
 Delta R.T. 0.00 min
 Lab File: VL035512.D
 Acq: 27 Aug 2020 6:41

Tgt Ion: 95 Resp: 3431468
 Ion Ratio Lower Upper
 95 100
 174 87.4 69.6 104.4
 175 6.5 5.1 7.7

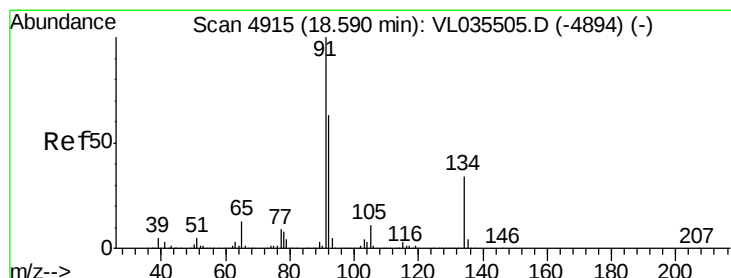
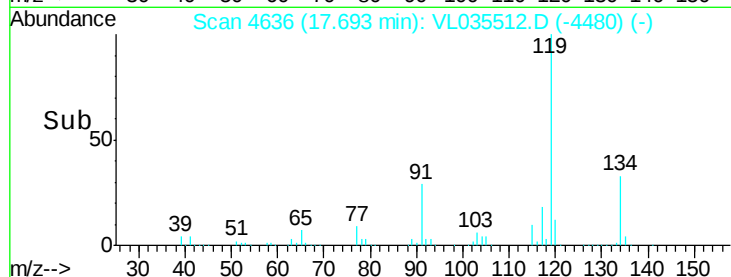
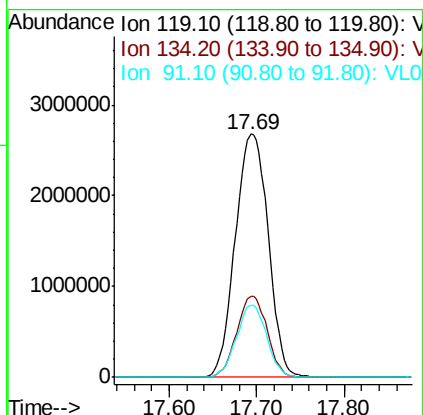
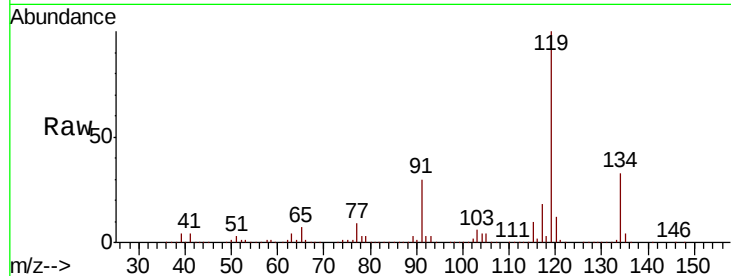




#69
p-Isopropyltoluene
Concen: 7.770 ppbv
RT: 17.69 min Scan# 4636
Delta R.T. -0.00 min
Lab File: VL035512.D
Acq: 27 Aug 2020 6:41

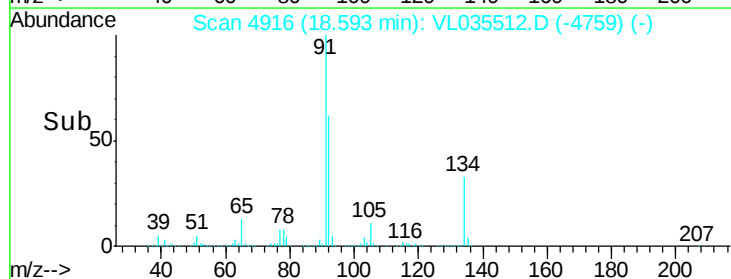
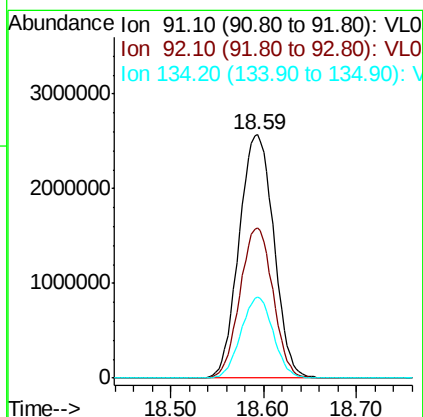
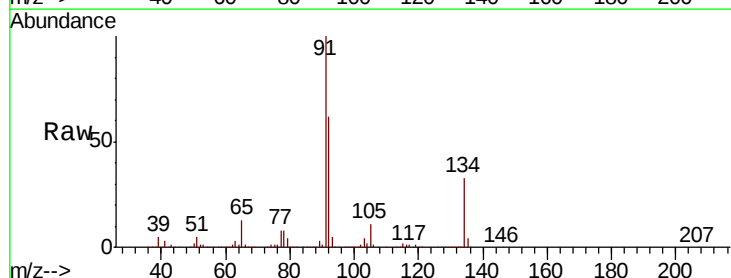
Instrument :
MSVOA_L
ClientSampleId :
ICVVL082720

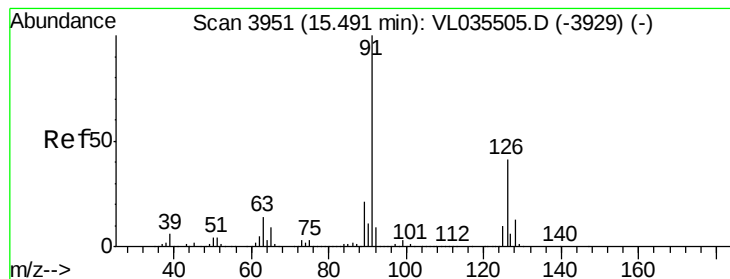
Tot Ion:119 Resp: 6990505
Ion Ratio Lower Upper
119 100
134 31.0 25.0 37.4
91 27.4 22.3 33.5



#70
n-Butylbenzene
Concen: 7.702 ppbv
RT: 18.59 min Scan# 4916
Delta R.T. 0.00 min
Lab File: VL035512.D
Acq: 27 Aug 2020 6:41

Tgt Ion: 91 Resp: 6674187
Ion Ratio Lower Upper
91 100
92 58.8 47.3 70.9
134 30.8 24.6 37.0





#71

2-Chlorotoluene

Concen: 8.003 ppbv

RT: 15.49 min Scan# 3951

Delta R.T. -0.00 min

Lab File: VL035512.D

Acq: 27 Aug 2020 6:41

Instrument :

MSVOA_L

ClientSampleId :

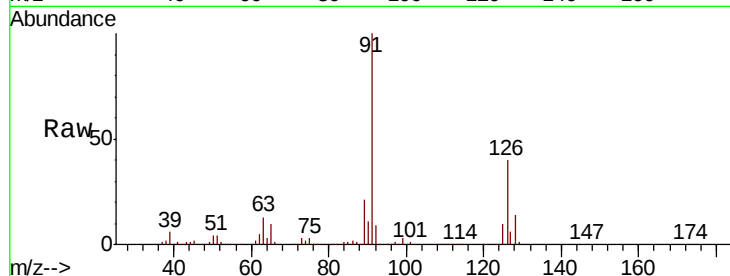
ICVVL082720

Tot Ion: 91 Resp: 4826690

Ion Ratio Lower Upper

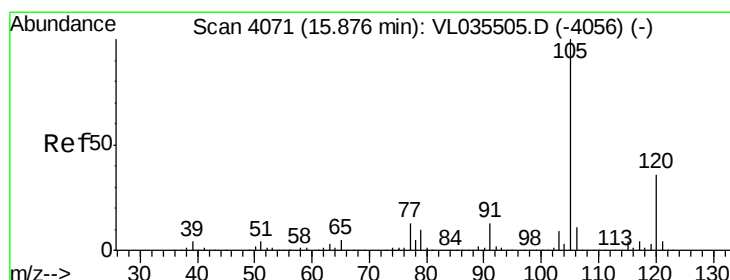
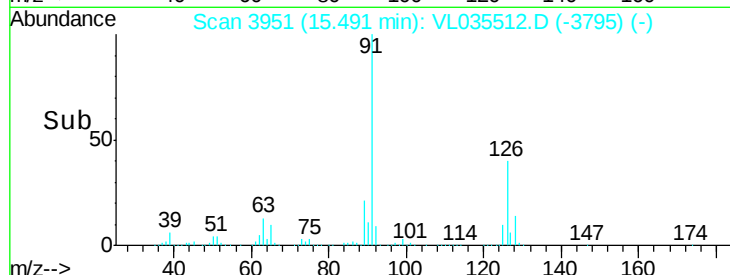
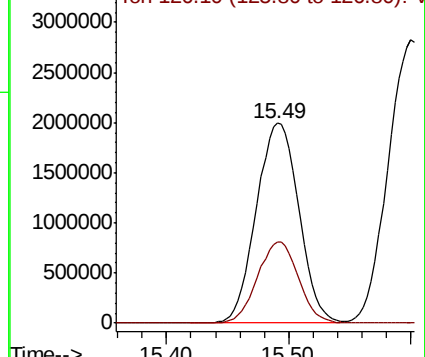
91 100

126 39.1 15.6 62.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 8.040 ppbv

RT: 15.88 min Scan# 4072

Delta R.T. 0.00 min

Lab File: VL035512.D

Acq: 27 Aug 2020 6:41

Tgt Ion:105 Resp: 5269715

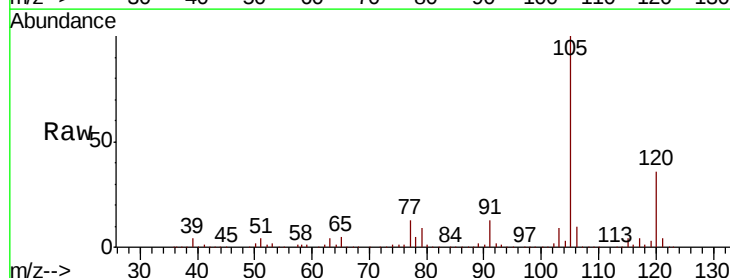
Ion Ratio Lower Upper

105 100

120 34.5 27.4 41.2

91 12.0 9.7 14.5

77 12.0 9.6 14.4

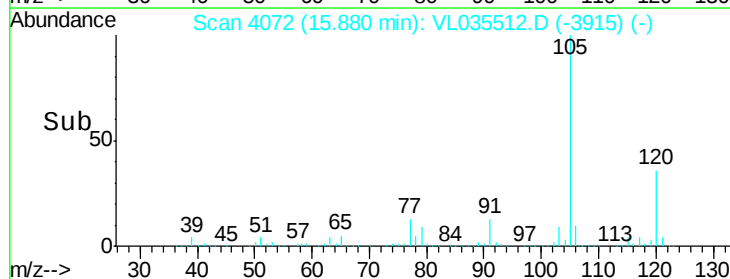
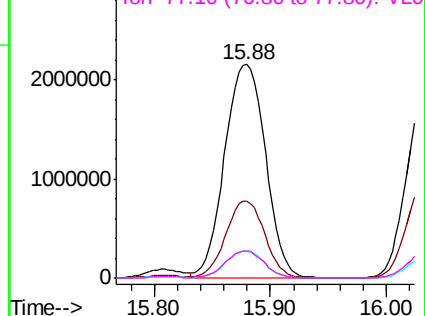


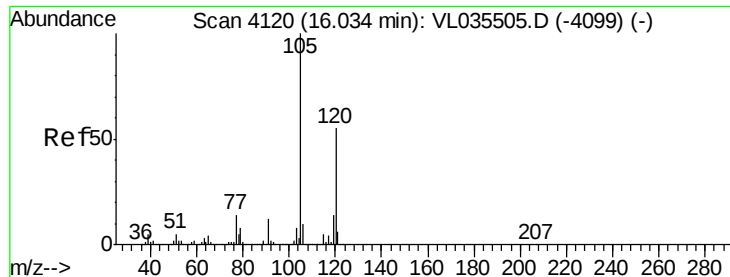
Abundance Ion 105.10 (104.80 to 105.80): V

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: 8.096 ppbv

RT: 16.04 min Scan# 4121

Delta R.T. 0.00 min

Lab File: VL035512.D

Acq: 27 Aug 2020 6:41

Instrument :

MSVOA_L

ClientSampleId :

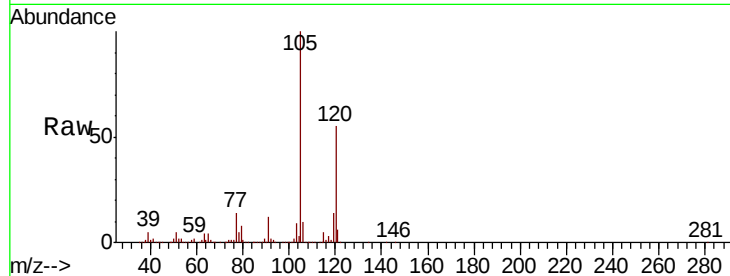
ICVVL082720

Tot Ion:105 Resp: 4908006

Ion Ratio Lower Upper

105 100

120 54.7 44.2 66.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

16.04

2000000

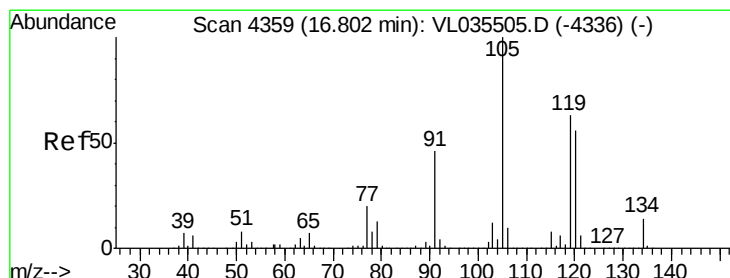
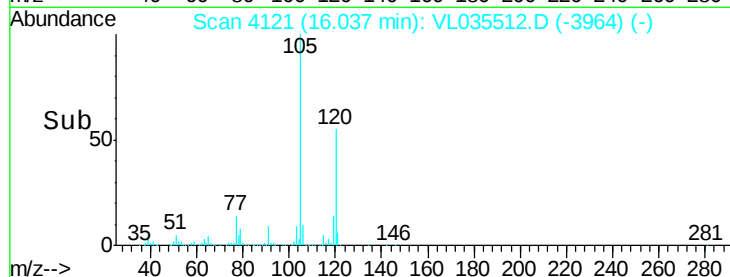
1500000

1000000

500000

0

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 7.637 ppbv

RT: 16.81 min Scan# 4360

Delta R.T. 0.00 min

Lab File: VL035512.D

Acq: 27 Aug 2020 6:41

Tgt Ion:105 Resp: 5083913

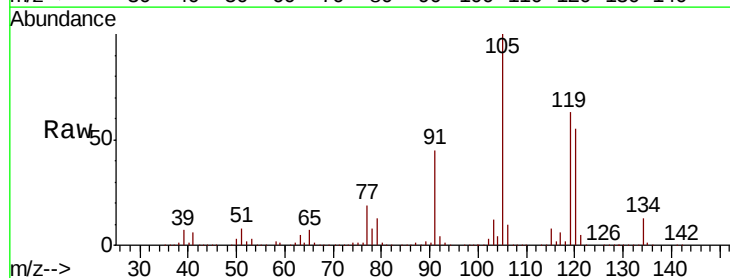
Ion Ratio Lower Upper

105 100

120 55.2 44.4 66.6

91 44.7 37.1 55.7

77 18.9 16.0 24.0



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): V

Ion 77.10 (76.80 to 77.80): V

3000000

2500000

2000000

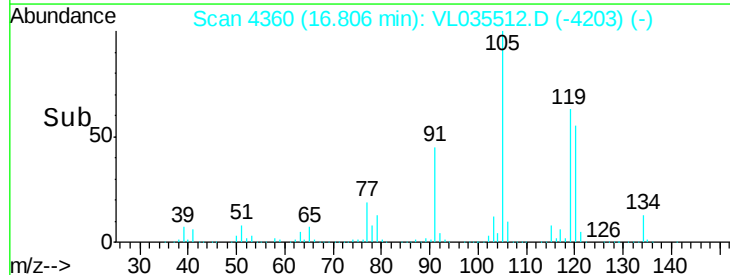
1500000

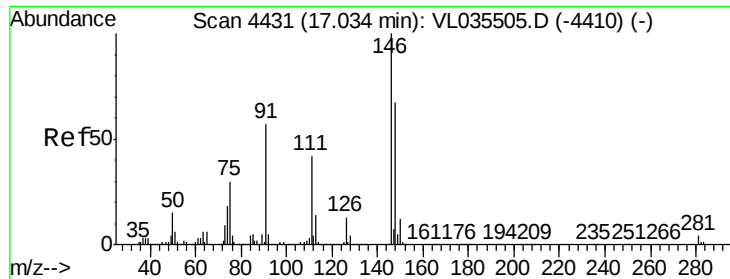
1000000

500000

0

Time-->





#75

1,3-Dichlorobenzene

Concen: 7.654 ppbv

RT: 17.04 min Scan# 4432

Delta R.T. 0.00 min

Lab File: VL035512.D

Acq: 27 Aug 2020 6:41

Instrument :

MSVOA_L

ClientSampleId :

ICVVL082720

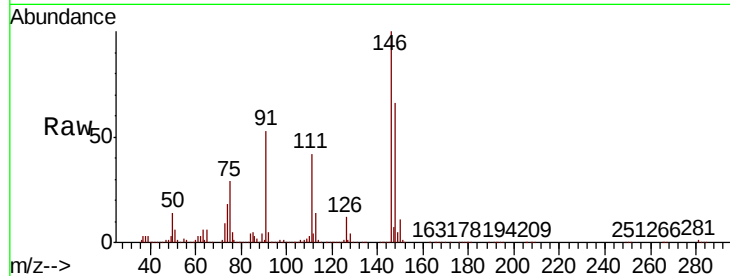
Tot Ion:146 Resp: 3774520

Ion Ratio Lower Upper

146 100

111 40.8 20.7 62.1

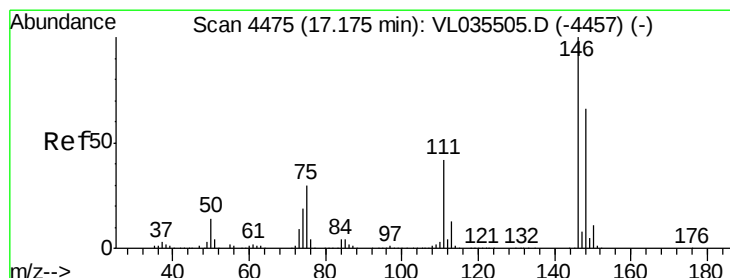
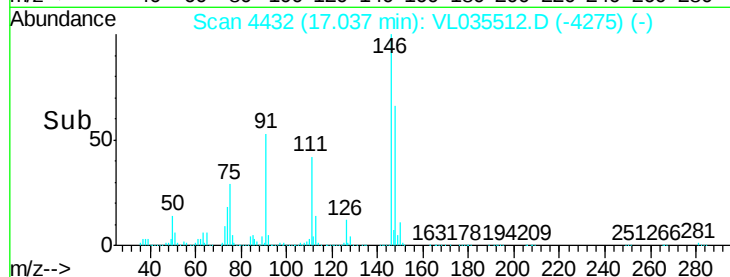
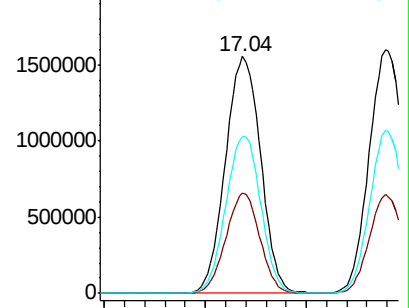
148 66.0 33.0 98.9



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: 7.839 ppbv

RT: 17.18 min Scan# 4476

Delta R.T. 0.00 min

Lab File: VL035512.D

Acq: 27 Aug 2020 6:41

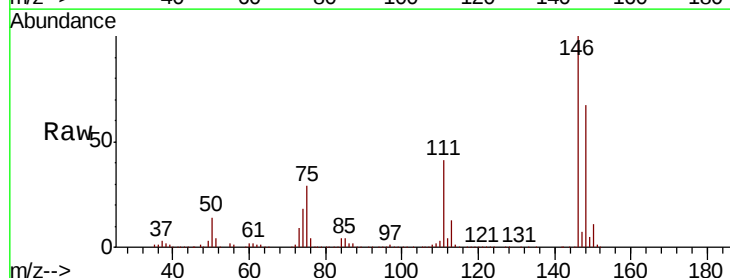
Tgt Ion:146 Resp: 3812410

Ion Ratio Lower Upper

146 100

111 39.4 20.0 60.0

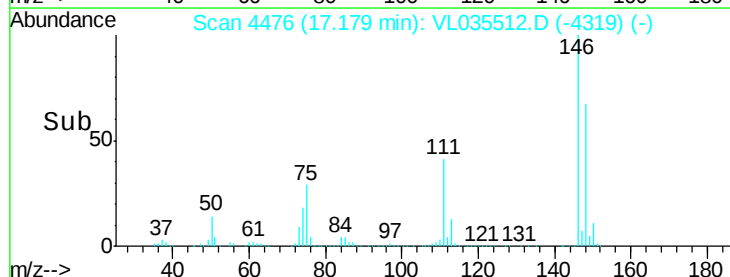
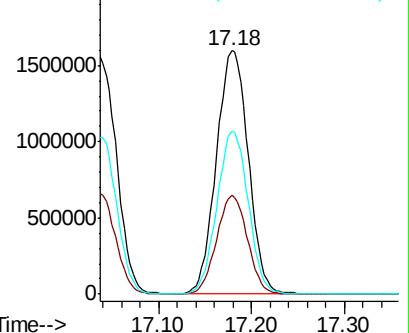
148 65.8 33.2 99.6

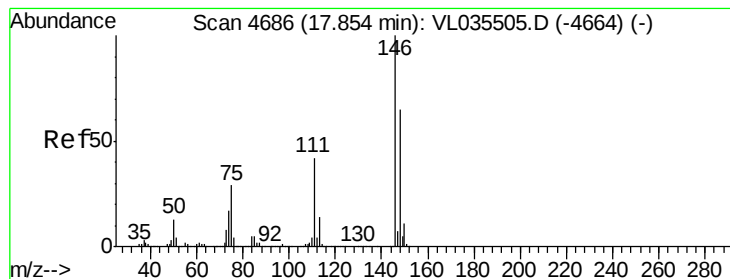


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 7.797 ppbv

RT: 17.86 min Scan# 4687

Delta R.T. 0.00 min

Lab File: VL035512.D

Acq: 27 Aug 2020 6:41

Instrument :

MSVOA_L

ClientSampleId :

ICVVL082720

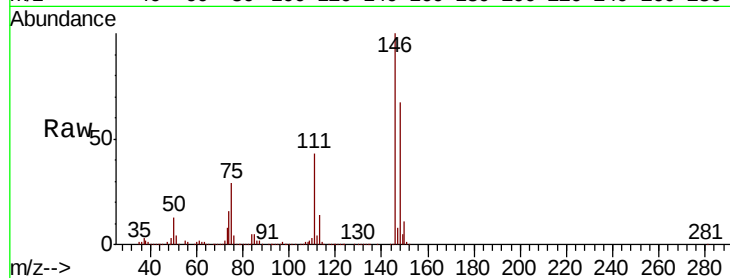
Tot Ion:146 Resp: 3725038

Ion Ratio Lower Upper

146 100

111 42.1 21.1 63.3

148 65.8 32.9 98.7

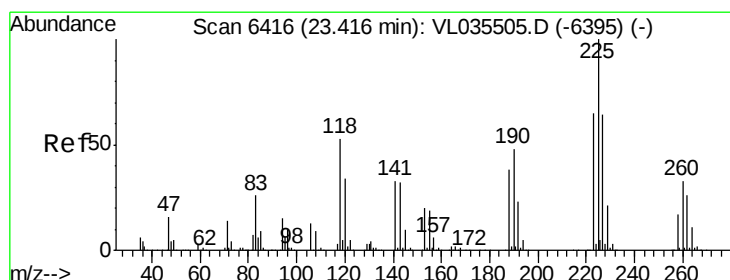
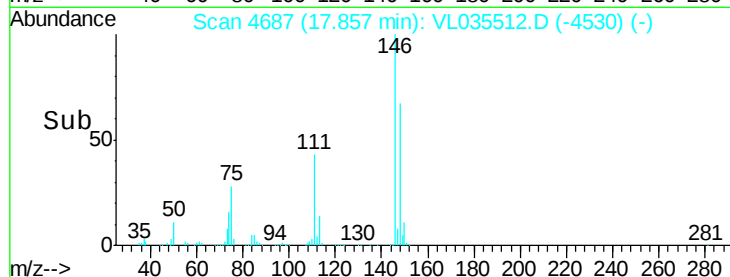
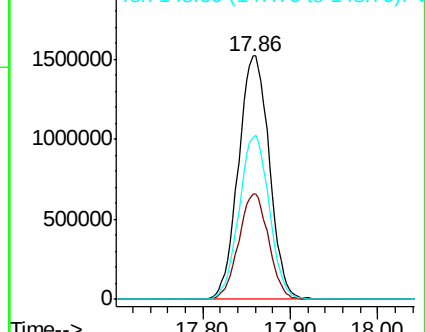


Abundance

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: 8.081 ppbv

RT: 23.42 min Scan# 6417

Delta R.T. 0.00 min

Lab File: VL035512.D

Acq: 27 Aug 2020 6:41

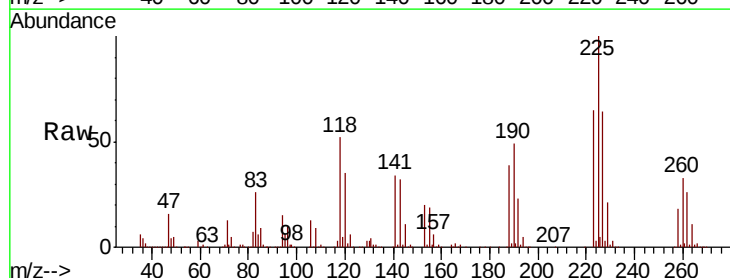
Tgt Ion:225 Resp: 2464849

Ion Ratio Lower Upper

225 100

223 64.6 51.7 77.5

227 64.7 51.5 77.3

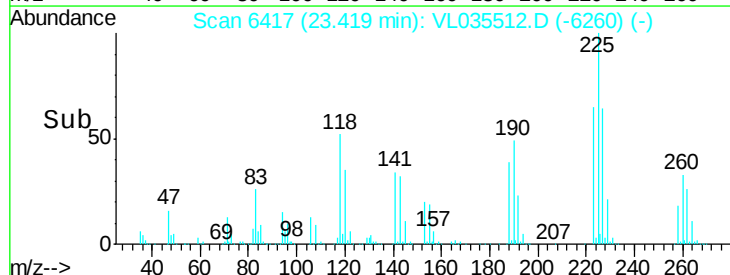
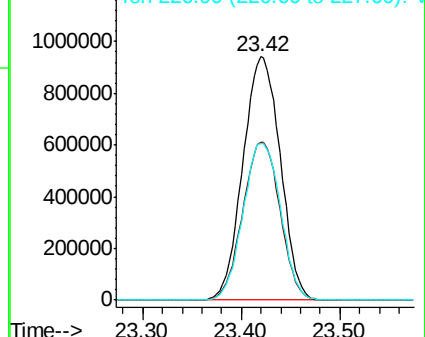


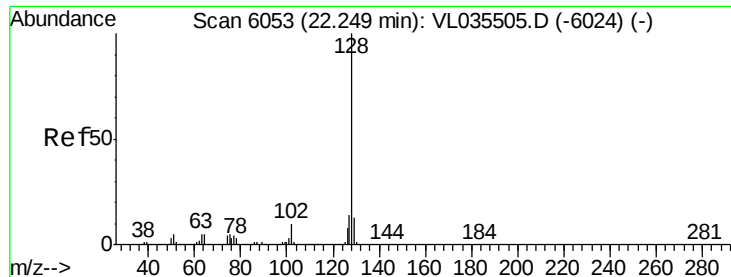
Abundance

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: 8.580 ppbv

RT: 22.25 min Scan# 6054

Delta R.T. 0.00 min

Lab File: VL035512.D

Acq: 27 Aug 2020 6:41

Instrument :

MSVOA_L

ClientSampleId :

ICVVL082720

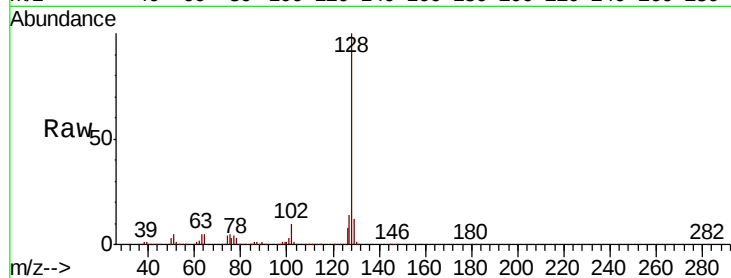
Tot Ion:128 Resp: 6338148

Ion Ratio Lower Upper

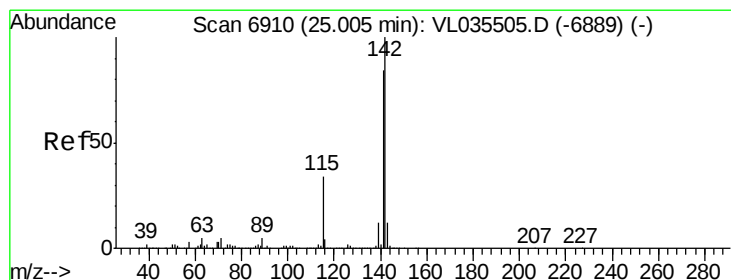
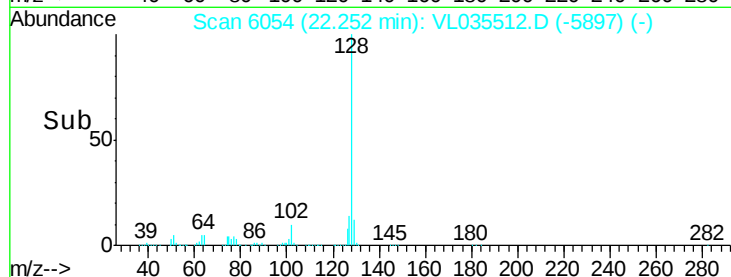
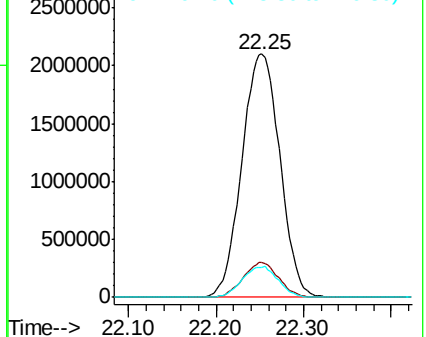
128 100

127 14.3 11.4 17.2

129 12.4 10.5 15.7



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: 9.804 ppbv

RT: 25.01 min Scan# 6911

Delta R.T. 0.00 min

Lab File: VL035512.D

Acq: 27 Aug 2020 6:41

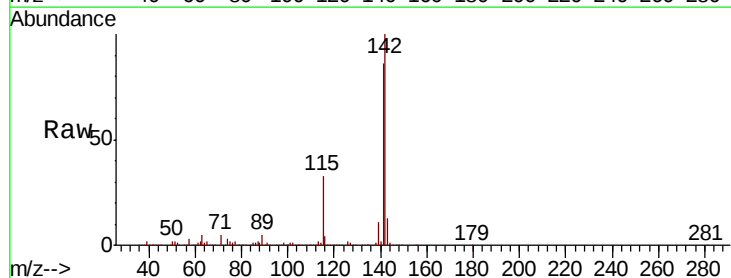
Tgt Ion:142 Resp: 2471911

Ion Ratio Lower Upper

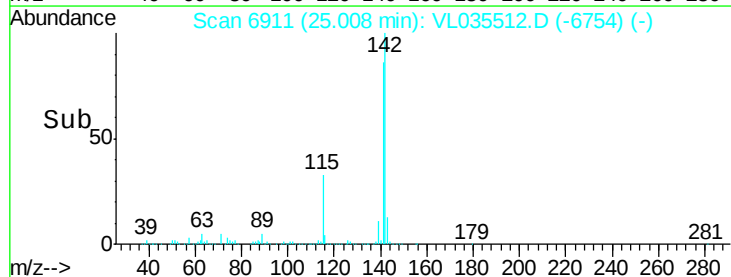
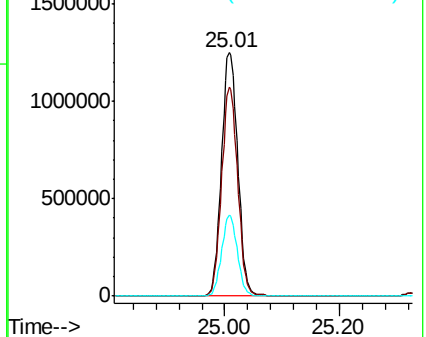
142 100

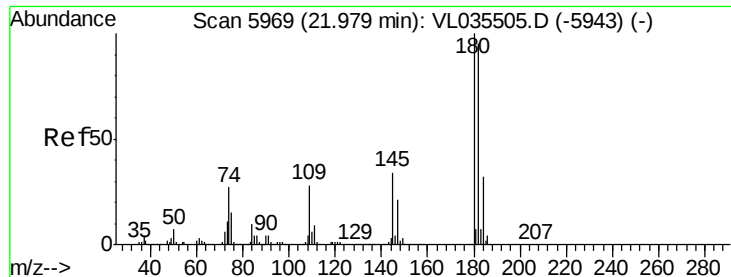
141 84.7 67.6 101.4

115 32.0 25.8 38.8



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: 8.335 ppbv

RT: 21.98 min Scan# 5969

Delta R.T. -0.00 min

Lab File: VL035512.D

Acq: 27 Aug 2020 6:41

Instrument :

MSVOA_L

ClientSampleId :

ICVVL082720

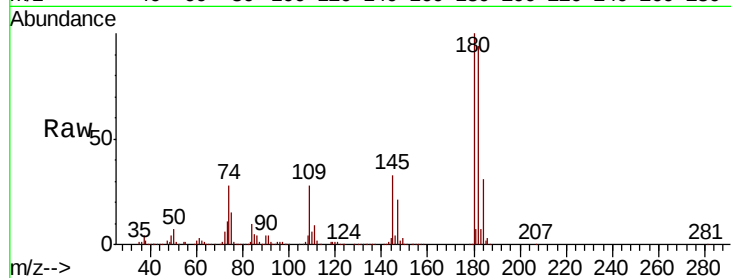
Tot Ion:180 Resp: 3687072

Ion Ratio Lower Upper

180 100

182 95.4 76.3 114.5

184 31.5 25.3 37.9



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

