

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081720\
 Data File : VL035429.D
 Acq On : 17 Aug 2020 22:26
 Operator : SY/AP
 Sample : VL0817ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0817ABS01

Quant Time: Aug 18 06:53:16 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	1080119	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	4957071	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	6403636	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.45	95	3632408	8.10	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	81.00%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	1763461	8.809	ppbv 98
3) Chlorodifluoromethane	2.99	51	1219741	9.007	ppbv # 91
4) Chloromethane	3.14	50	645872	9.154	ppbv 95
5) Vinyl Chloride	3.26	62	770227	9.135	ppbv 99
6) Bromomethane	3.47	94	678924	9.207	ppbv 97
7) Chloroethane	3.56	64	279637	9.002	ppbv 93
8) Dichlorotetrafluoroethane	3.19	85	2233165	8.712	ppbv # 57
9) Propene	3.01	41	492523	9.048	ppbv 99
10) Heptane	8.14	43	1317389	9.230	ppbv # 79
11) Trichlorofluoromethane	3.95	101	2801368	8.918	ppbv 95
12) 1,1,2-Trichlorotrifluoroet	4.49	101	2092856	8.941	ppbv # 77
13) Ethanol	3.61	45	111619	5.597	ppbv 98
14) Bromoethene	3.75	108	947693	9.161	ppbv # 95
15) Acetone	3.85	43	975001	7.843	ppbv # 83
16) 1,3-Butadiene	3.33	39	469113	9.305	ppbv # 67
17) tert-Butyl alcohol	4.30	59	1518245	9.449	ppbv 98
18) 1,1-Dichloroethene	4.29	96	955349	9.243	ppbv # 62
19) Isopropyl Alcohol	3.97	45	751421	8.769	ppbv # 98
20) Methylene Chloride	4.35	84	748285	7.460	ppbv # 64
21) Allyl Chloride	4.42	41	613051	9.704	ppbv # 82
22) trans-1,2-Dichloroethene	4.89	96	1016369	9.215	ppbv # 64
23) Vinyl Acetate	5.09	43	1672764	9.412	ppbv # 93
24) 1,1-Dichloroethane	5.02	63	1609877	9.077	ppbv # 93
25) Ethyl Acetate	5.69	43	2106951	8.709	ppbv # 93
26) Hexane	5.70	57	1204276	8.821	ppbv # 74
27) Carbon Disulfide	4.56	76	1982284	10.045	ppbv # 85
28) Methyl tert-Butyl Ether	5.04	73	2290850	9.186	ppbv 92
29) Chloroform	5.77	83	2486918	9.066	ppbv 96
30) Cyclohexane	7.15	84	1433455	9.464	ppbv # 60
31) cis-1,2-Dichloroethene	5.56	61	1332694	9.282	ppbv # 63
32) 1,1,1-Trichloroethane	6.53	97	2570904	10.001	ppbv # 89
34) 2-Butanone	5.26	43	1480960	8.942	ppbv # 74
35) Carbon Tetrachloride	7.04	117	2762933	10.480	ppbv 97
36) Benzene	6.91	78	3247338	8.926	ppbv # 93
37) 1,2-Dichloroethane	6.32	62	1527719	9.188	ppbv # 89
38) Trichloroethene	7.85	130	1825145	9.018	ppbv # 82
39) 1,2-Dichloropropane	7.64	63	1093548	9.120	ppbv # 84
40) 1,4-Dioxane	7.85	88	547908	8.388	ppbv # 32
41) Tetrahydrofuran	6.06	42	859334	9.406	ppbv # 62
42) Bromodichloromethane	7.81	83	2674307	9.612	ppbv # 97
43) Methyl Methacrylate	8.03	69	1344947	9.453	ppbv # 58

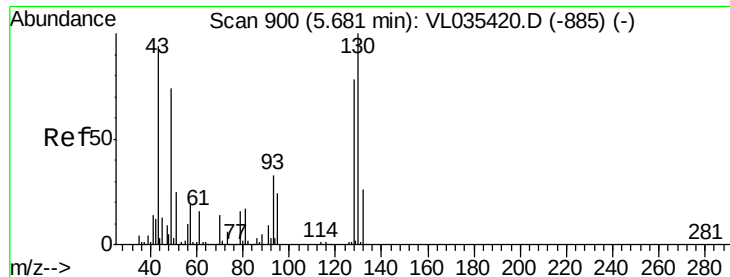
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081720\
 Data File : VL035429.D
 Acq On : 17 Aug 2020 22:26
 Operator : SY/AP
 Sample : VL0817ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0817ABS01

Quant Time: Aug 18 06:53:16 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)
44) 2,2,4-Trimethylpentane	7.89	57	4125058	8.682	ppbv #	92
45) t-1,3-Dichloropropene	9.30	75	1571835	10.725	ppbv	95
46) cis-1,3-Dichloropropene	8.73	75	1853693	10.153	ppbv #	76
47) 1,1,2-Trichloroethane	9.50	97	1624586	9.071	ppbv	91
48) Dibromochloromethane	10.33	129	3027972	10.078	ppbv	99
49) Bromoform	13.07	173	3060835	10.575	ppbv	99
50) 4-Methyl-2-Pentanone	8.76	43	2201265	9.266	ppbv #	82
51) 2-Hexanone	10.16	43	1894499	9.460	ppbv #	78
52) Tetrachloroethene	11.25	164	2005212	9.036	ppbv #	83
53) Toluene	9.83	91	4215634	8.996	ppbv	98
54) 1,2-Dibromoethane	10.64	107	2643202	9.087	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.16	131	2334104	7.684	ppbv	96
57) Chlorobenzene	12.18	112	3729130	6.977	ppbv #	81
58) Ethyl Benzene	12.74	91	5550829	7.181	ppbv #	83
59) m/p-Xylene	13.03	91	5455138	8.348	ppbv #	25
60) o-Xylene	13.73	91	4544335	7.155	ppbv	86
61) Styrene	13.56	104	3881134	7.563	ppbv #	90
62) Isopropylbenzene	14.70	105	7160024	6.879	ppbv #	87
63) 1,1,2,2-Tetrachloroethane	13.71	83	3161268	6.929	ppbv	97
64) n-propylbenzene	15.60	120	2397085	7.471	ppbv #	44
65) tert-Butylbenzene	16.78	119	6995869	6.916	ppbv #	82
66) Benzyl Chloride	17.03	91	2357666	9.690	ppbv #	88
67) sec-Butylbenzene	17.33	105	8865824	6.660	ppbv #	82
69) p-Isopropyltoluene	17.69	119	8154047	6.903	ppbv #	89
70) n-Butylbenzene	18.59	91	7679240	6.883	ppbv #	90
71) 2-Chlorotoluene	15.49	91	5432834	7.193	ppbv	77
72) 4-Ethyltoluene	15.88	105	6037374	7.244	ppbv #	91
73) 1,3,5-Trimethylbenzene	16.03	105	5656578	7.294	ppbv #	82
74) 1,2,4-Trimethylbenzene	16.80	105	5831828	6.921	ppbv #	91
75) 1,3-Dichlorobenzene	17.03	146	4558742	7.005	ppbv	91
76) 1,4-Dichlorobenzene	17.18	146	4640257	7.235	ppbv	91
77) 1,2-Dichlorobenzene	17.85	146	4553738	7.143	ppbv	91
78) Hexachloro-1,3-Butadiene	23.42	225	3517093	6.978	ppbv	98
79) Naphthalene	22.25	128	8388271	7.069	ppbv	97
80) Naphthalene, 2-methyl-	25.00	142	3957310	8.070	ppbv #	93
81) 1,2,4-Trichlorobenzene	21.98	180	5166290	7.222	ppbv	99

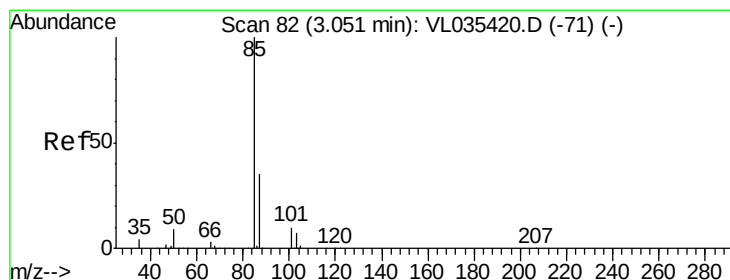
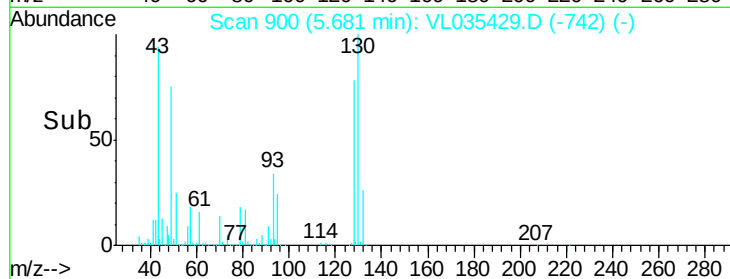
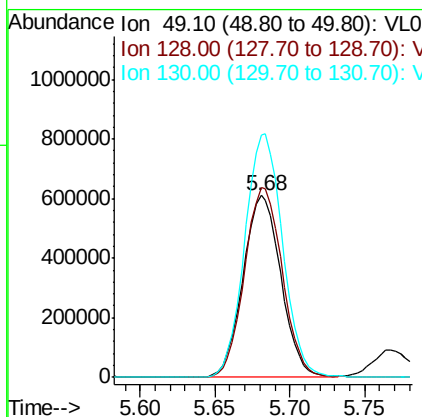
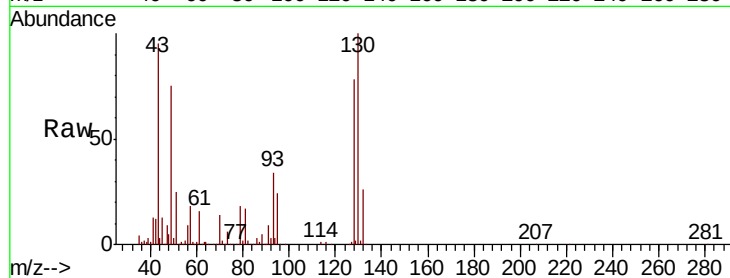
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.68 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VL035429.D
 Acq: 17 Aug 2020 22:26

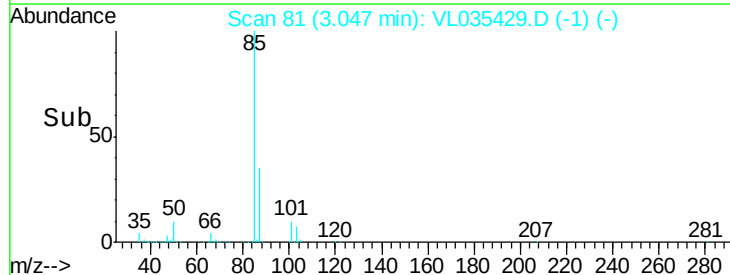
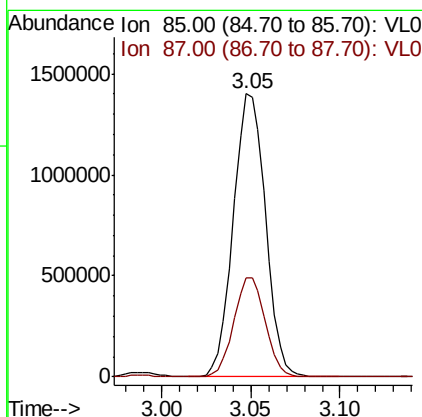
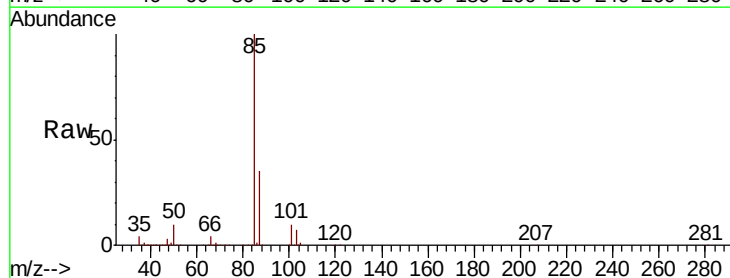
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0817ABS01

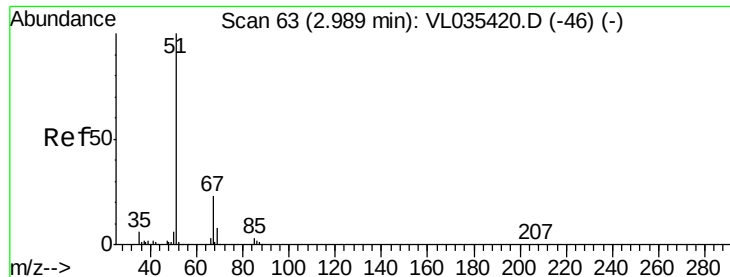
Tot Ion: 49 Resp: 1080119
 Ion Ratio Lower Upper
 49 100
 128 104.4 20.9 62.7#
 130 134.4 26.7 80.1#



#2
 Dichlorodifluoromethane
 Concen: 8.809 ppbv
 RT: 3.05 min Scan# 81
 Delta R.T. 0.00 min
 Lab File: VL035429.D
 Acq: 17 Aug 2020 22:26

Tgt Ion: 85 Resp: 1763461
 Ion Ratio Lower Upper
 85 100
 87 34.9 27.1 40.7





#3

Chlorodifluoromethane

Concen: 9.007 ppbv

RT: 2.99 min Scan# 63

Delta R.T. 0.01 min

Lab File: VL035429.D

Acq: 17 Aug 2020 22:26

Instrument :

MSVOA_L

ClientSampleId :

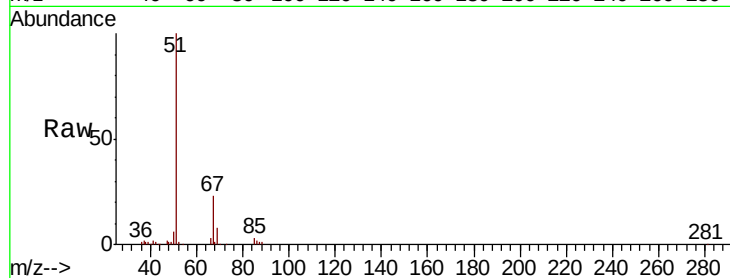
VL0817ABS01

Tot Ion: 51 Resp: 1219741

Ion Ratio Lower Upper

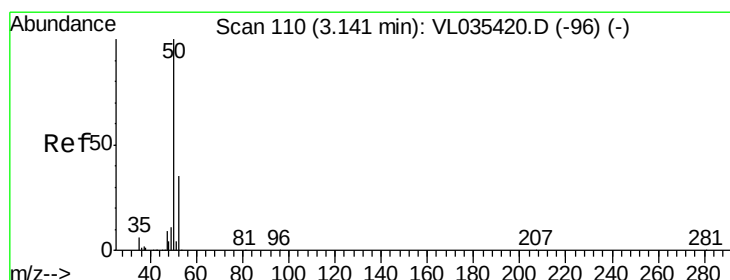
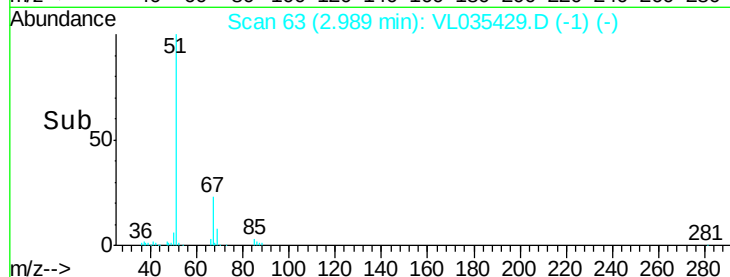
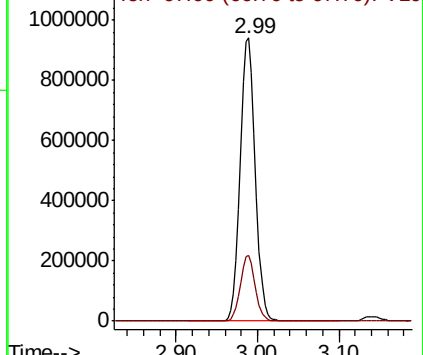
51 100

67 22.7 15.0 22.6#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.154 ppbv

RT: 3.14 min Scan# 110

Delta R.T. 0.01 min

Lab File: VL035429.D

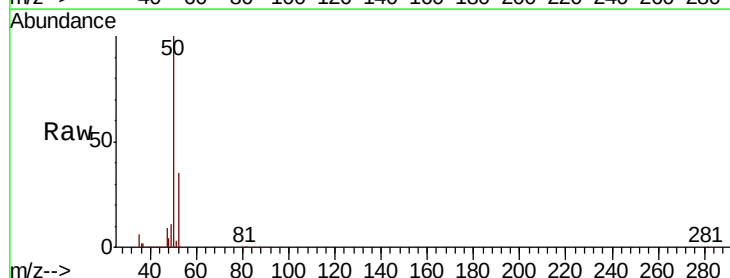
Acq: 17 Aug 2020 22:26

Tgt Ion: 50 Resp: 645872

Ion Ratio Lower Upper

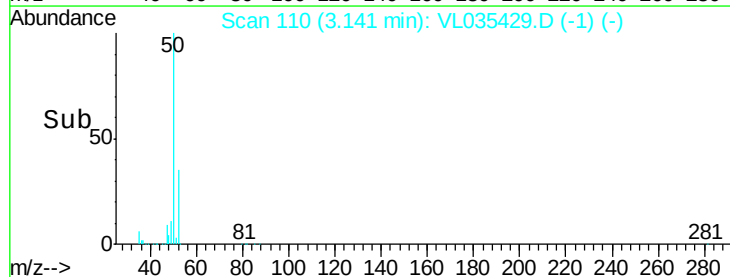
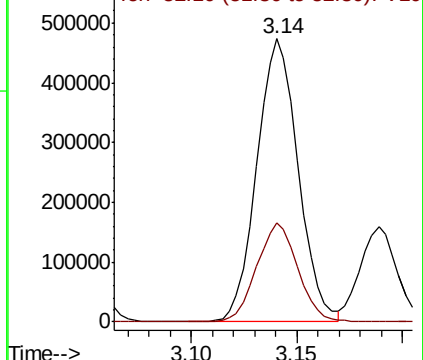
50 100

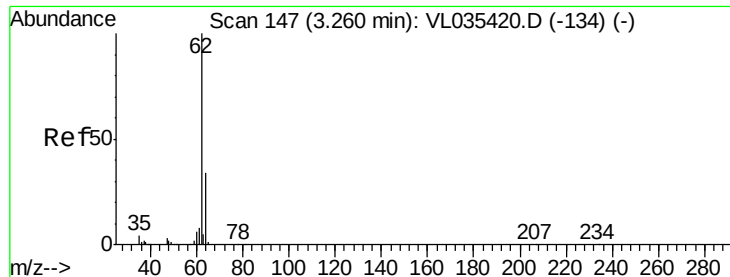
52 35.0 25.9 38.9



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.135 ppbv

RT: 3.26 min Scan# 147

Delta R.T. 0.01 min

Lab File: VL035429.D

Acq: 17 Aug 2020 22:26

Instrument :

MSVOA_L

ClientSampleId :

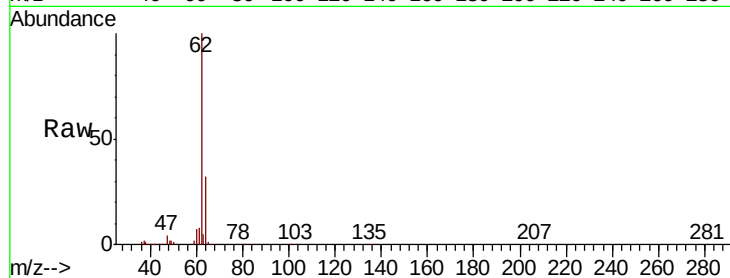
VL0817ABS01

Tot Ion: 62 Resp: 770227

Ion Ratio Lower Upper

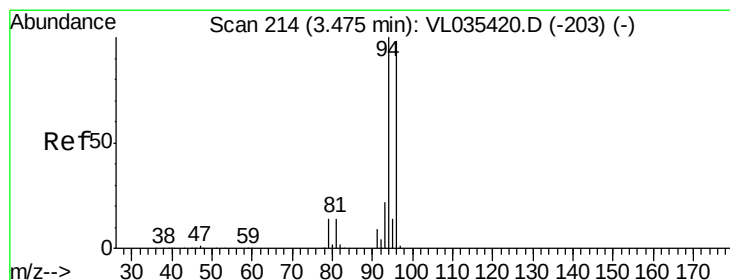
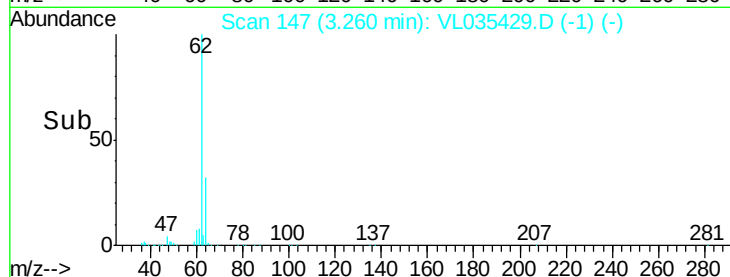
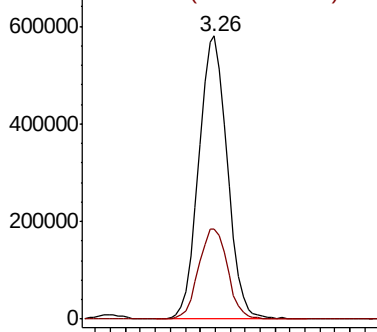
62 100

64 31.9 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: 9.207 ppbv

RT: 3.47 min Scan# 214

Delta R.T. 0.01 min

Lab File: VL035429.D

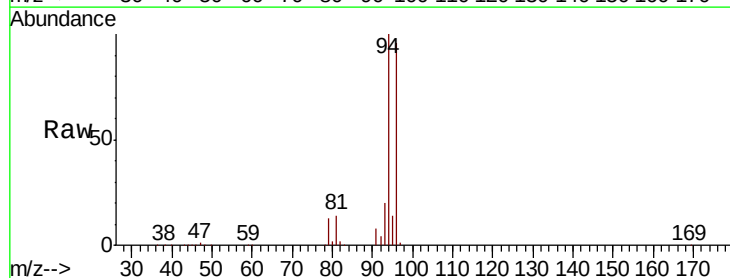
Acq: 17 Aug 2020 22:26

Tgt Ion: 94 Resp: 678924

Ion Ratio Lower Upper

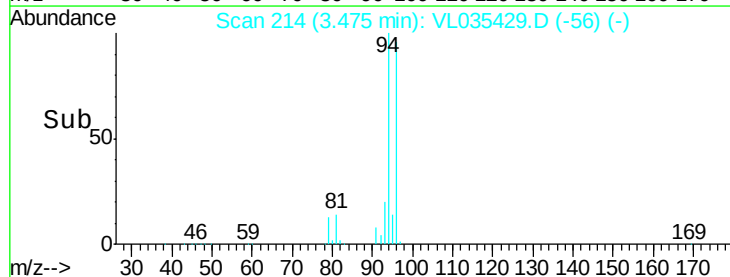
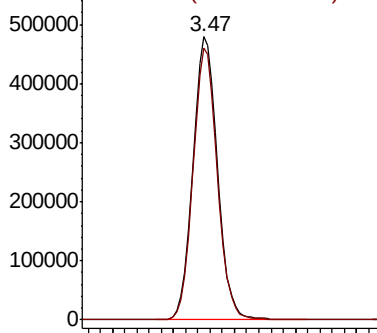
94 100

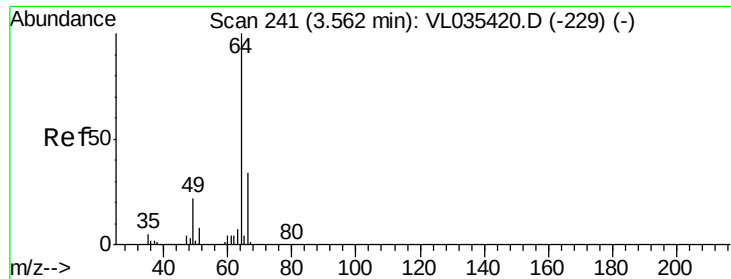
96 96.3 75.0 112.6



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.002 ppbv

RT: 3.56 min Scan# 240

Delta R.T. 0.00 min

Lab File: VL035429.D

Acq: 17 Aug 2020 22:26

Instrument :

MSVOA_L

ClientSampleId :

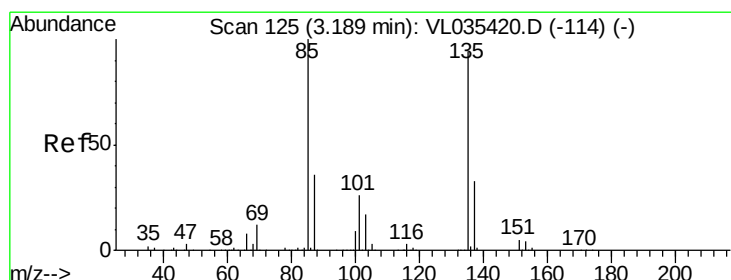
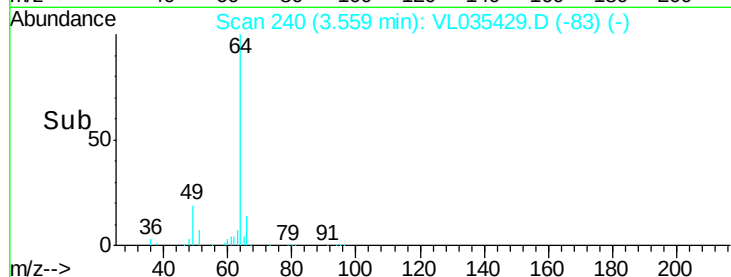
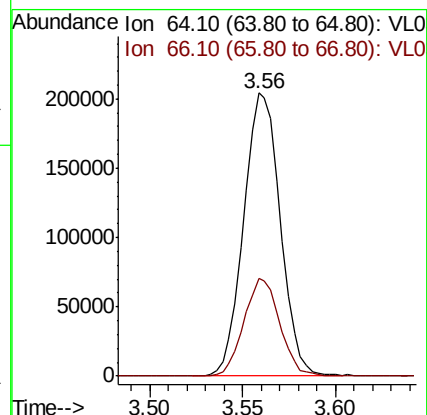
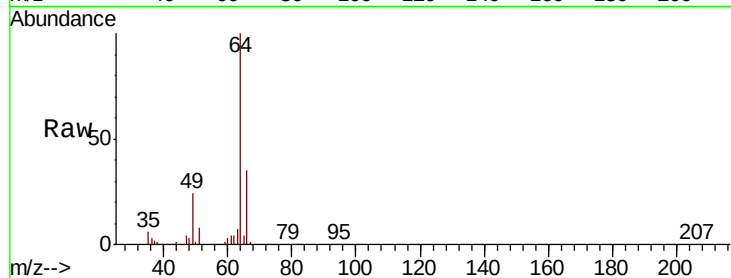
VL0817ABS01

Tot Ion: 64 Resp: 279637

Ion Ratio Lower Upper

64 100

66 34.6 24.5 36.7



#8

Dichlorotetrafluoroethane

Concen: 8.712 ppbv

RT: 3.19 min Scan# 125

Delta R.T. 0.01 min

Lab File: VL035429.D

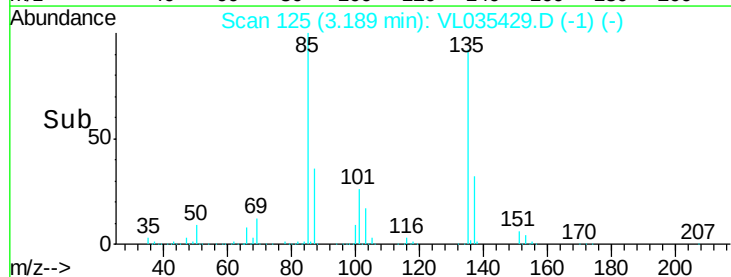
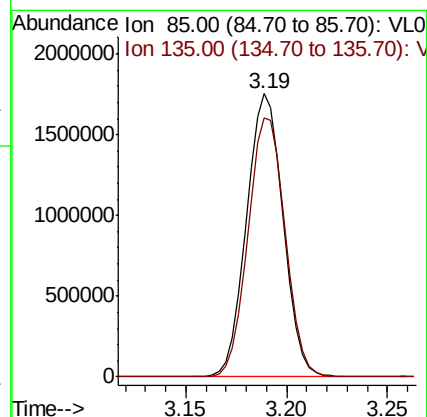
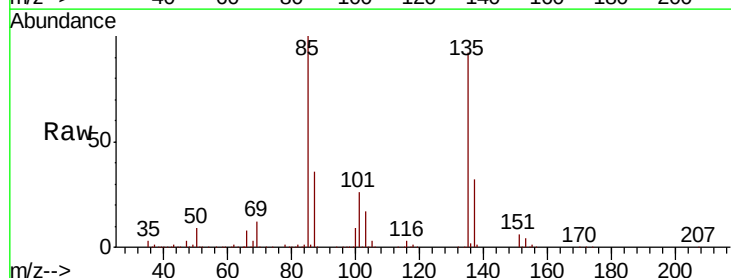
Acq: 17 Aug 2020 22:26

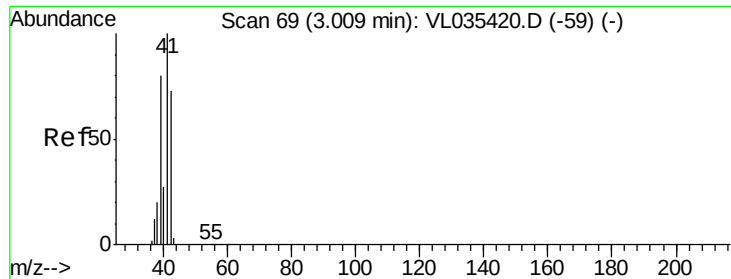
Tgt Ion: 85 Resp: 2233165

Ion Ratio Lower Upper

85 100

135 93.4 48.6 72.8#





#9

Propene

Concen: 9.048 ppbv

RT: 3.01 min Scan# 69

Delta R.T. 0.00 min

Lab File: VL035429.D

Acq: 17 Aug 2020 22:26

Instrument :

MSVOA_L

ClientSampleId :

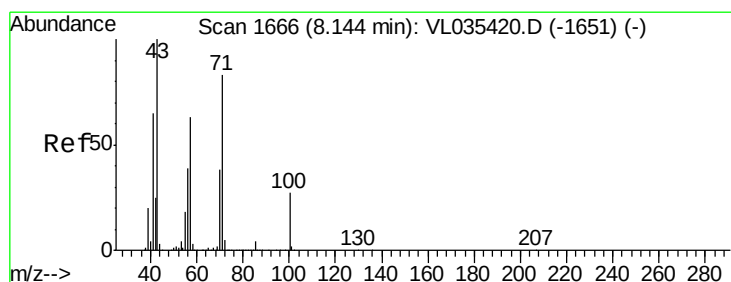
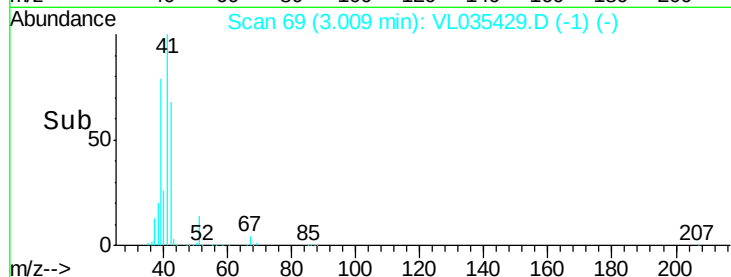
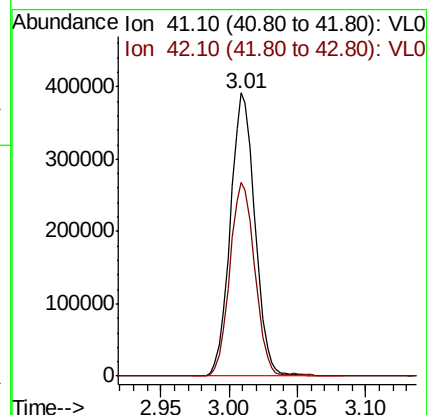
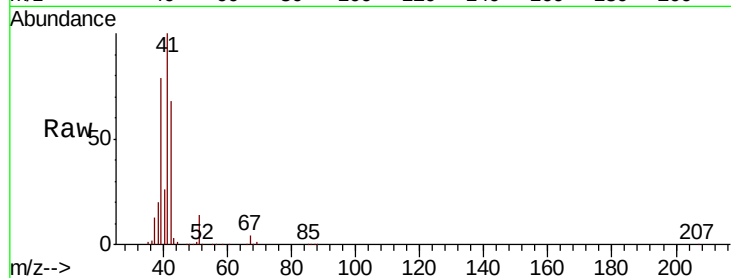
VL0817ABS01

Tot Ion: 41 Resp: 492523

Ion Ratio Lower Upper

41 100

42 69.9 55.5 83.3



#10

Heptane

Concen: 9.230 ppbv

RT: 8.14 min Scan# 1666

Delta R.T. 0.01 min

Lab File: VL035429.D

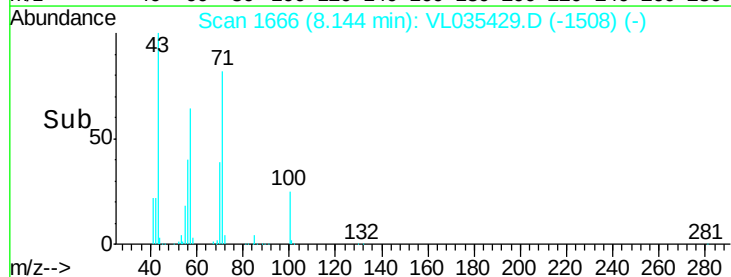
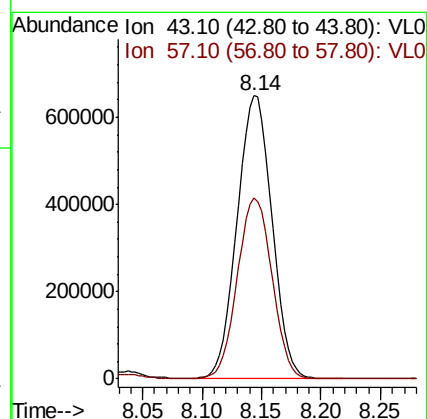
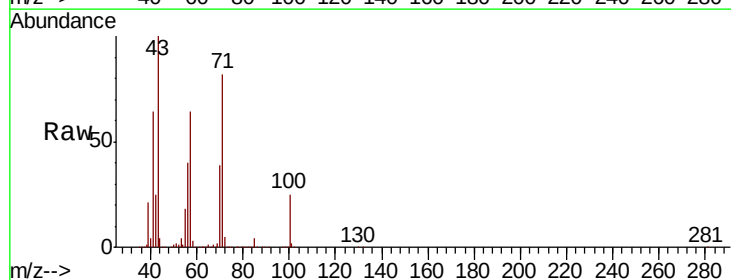
Acq: 17 Aug 2020 22:26

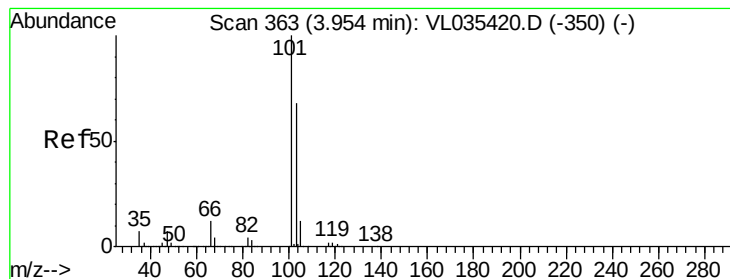
Tgt Ion: 43 Resp: 1317389

Ion Ratio Lower Upper

43 100

57 63.8 39.8 59.6#





#11

Trichlorofluoromethane

Concen: 8.918 ppbv

RT: 3.95 min Scan# 363

Delta R.T. 0.01 min

Lab File: VL035429.D

Acq: 17 Aug 2020 22:26

Instrument :

MSVOA_L

ClientSampleId :

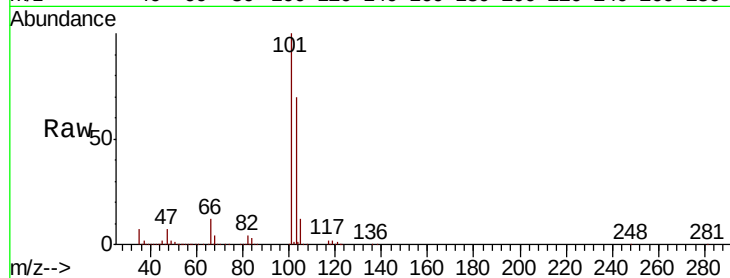
VL0817ABS01

Tot Ion:101 Resp: 2801368

Ion Ratio Lower Upper

101 100

103 69.9 52.6 78.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

3.95

2000000

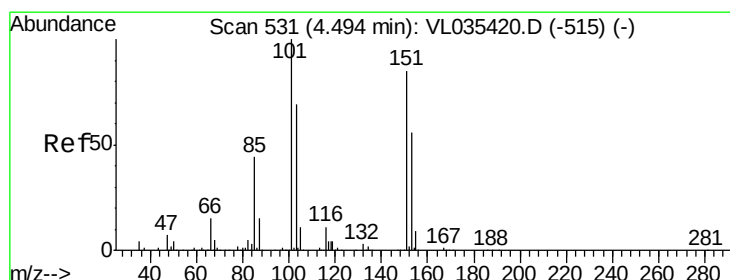
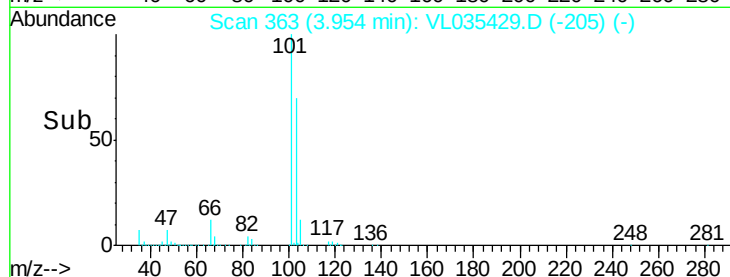
1500000

1000000

500000

0

Time-->



#12

1,1,2-Trichlorotrifluoroethane

Concen: 8.941 ppbv

RT: 4.49 min Scan# 531

Delta R.T. 0.01 min

Lab File: VL035429.D

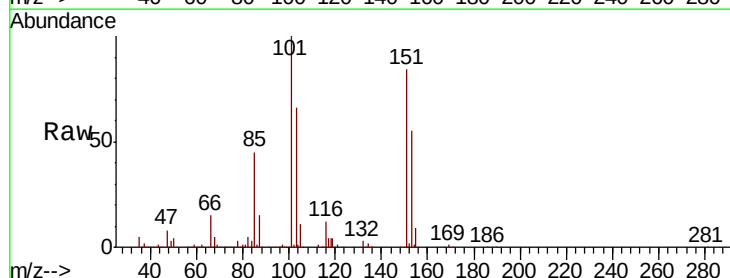
Acq: 17 Aug 2020 22:26

Tgt Ion:101 Resp: 2092856

Ion Ratio Lower Upper

101 100

151 85.3 53.6 80.4#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

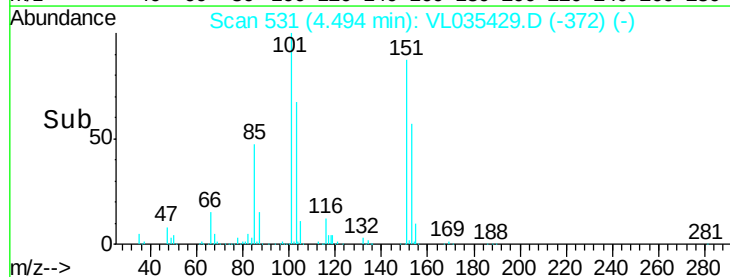
4.49

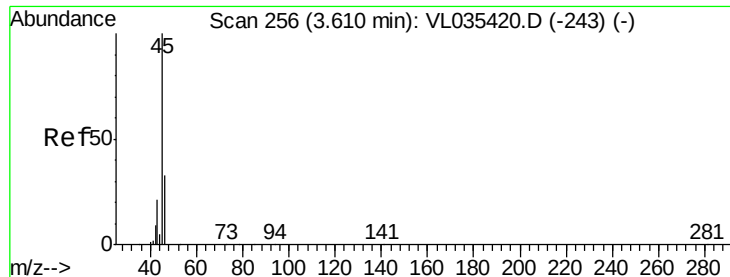
1000000

500000

0

Time-->

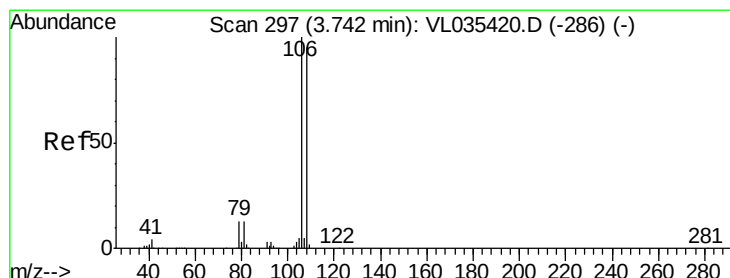
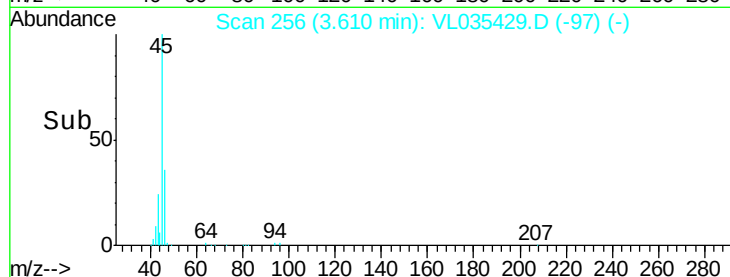
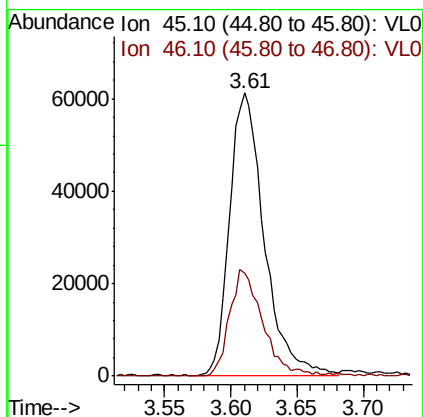
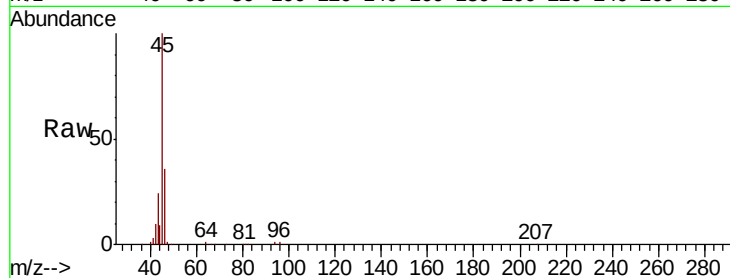




#13
 Ethanol
 Concen: 5.597 ppbv
 RT: 3.61 min Scan# 256
 Delta R.T. 0.01 min
 Lab File: VL035429.D
 Acq: 17 Aug 2020 22:26

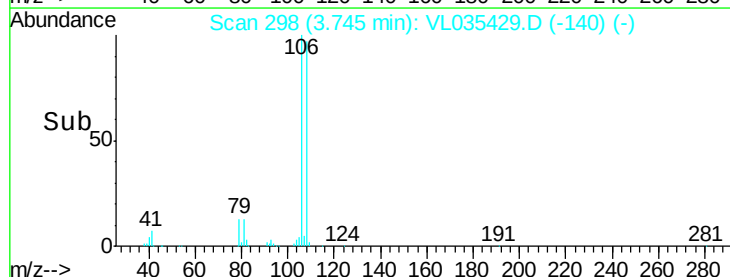
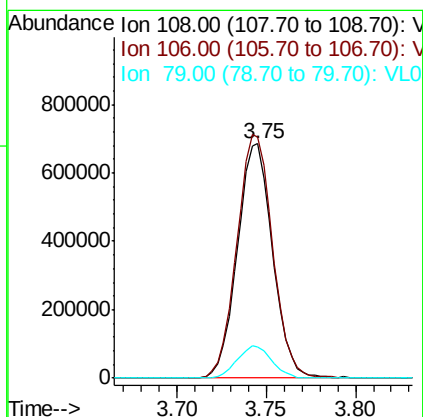
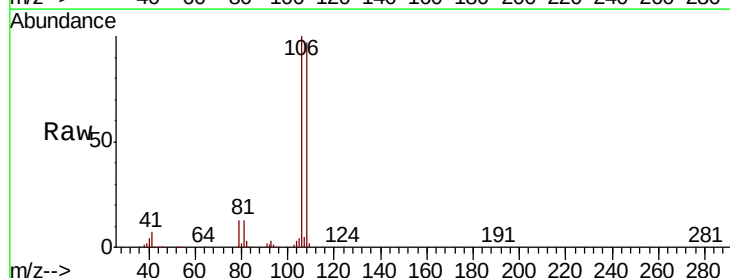
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0817ABS01

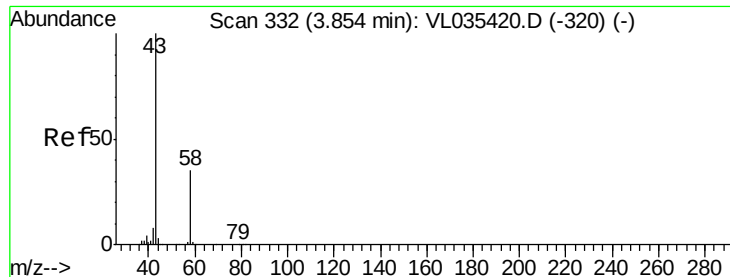
Tot Ion: 45 Resp: 111619
 Ion Ratio Lower Upper
 45 100
 46 36.6 14.2 56.6



#14
 Bromoethene
 Concen: 9.161 ppbv
 RT: 3.75 min Scan# 298
 Delta R.T. 0.01 min
 Lab File: VL035429.D
 Acq: 17 Aug 2020 22:26

Tgt Ion: 108 Resp: 947693
 Ion Ratio Lower Upper
 108 100
 106 105.5 86.7 130.1
 79 13.8 16.8 25.2#





#15

Acetone

Concen: 7.843 ppbv

RT: 3.85 min Scan# 332

Delta R.T. 0.01 min

Lab File: VL035429.D

Acq: 17 Aug 2020 22:26

Instrument :

MSVOA_L

ClientSampleId :

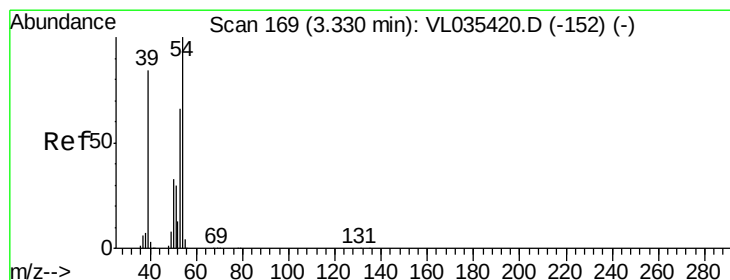
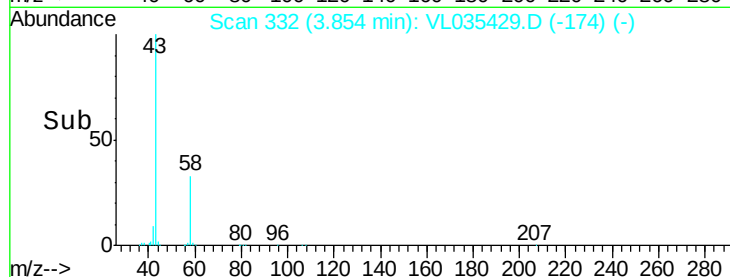
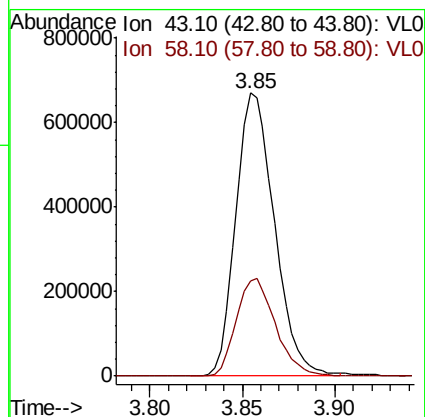
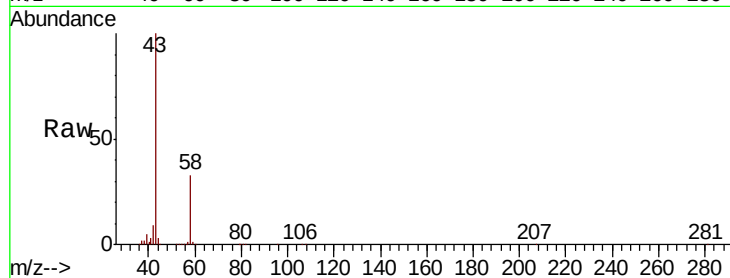
VL0817ABS01

Tot Ion: 43 Resp: 975001

Ion Ratio Lower Upper

43 100

58 35.1 21.0 31.6#



#16

1,3-Butadiene

Concen: 9.305 ppbv

RT: 3.33 min Scan# 169

Delta R.T. 0.01 min

Lab File: VL035429.D

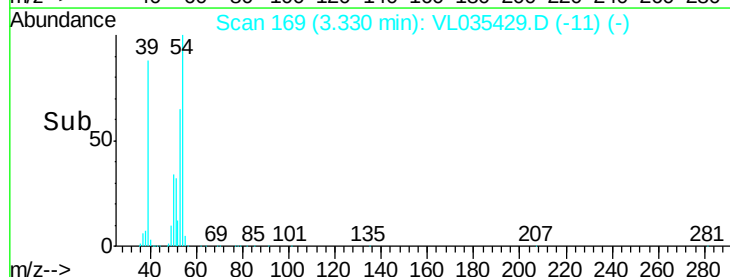
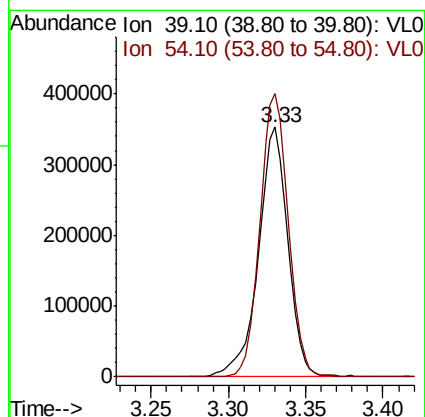
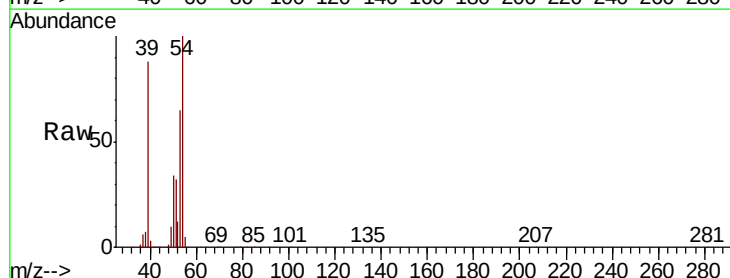
Acq: 17 Aug 2020 22:26

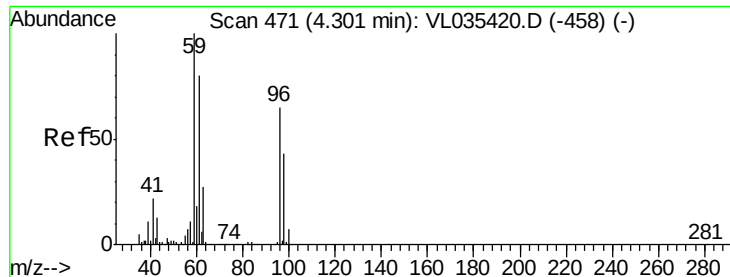
Tgt Ion: 39 Resp: 469113

Ion Ratio Lower Upper

39 100

54 109.8 64.4 96.6#





#17

tert-Butyl alcohol

Concen: 9.449 ppbv

RT: 4.30 min Scan# 471

Delta R.T. 0.01 min

Lab File: VL035429.D

Acq: 17 Aug 2020 22:26

Instrument :

MSVOA_L

ClientSampleId :

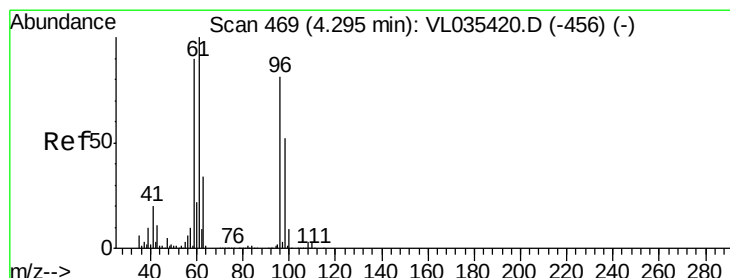
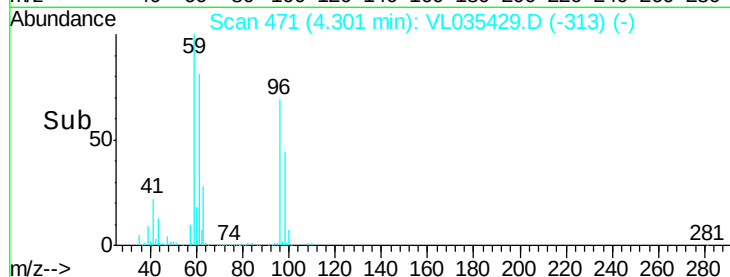
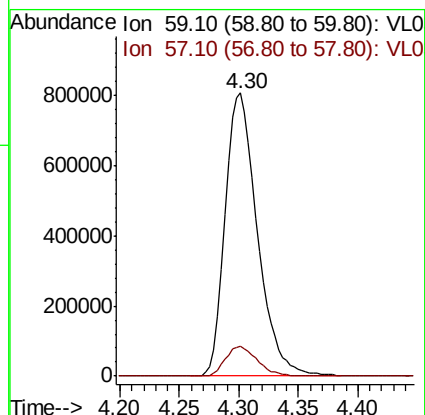
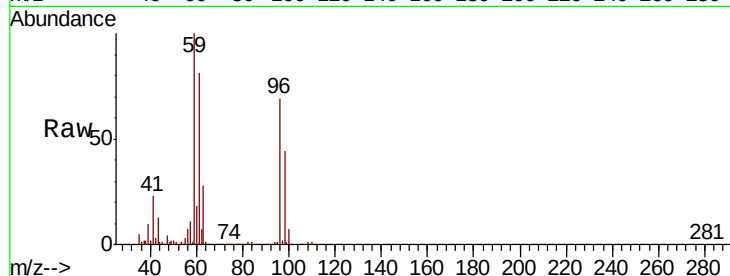
VL0817ABS01

Tot Ion: 59 Resp: 1518245

Ion Ratio Lower Upper

59 100

57 10.5 8.9 13.3



#18

1,1-Dichloroethene

Concen: 9.243 ppbv

RT: 4.29 min Scan# 469

Delta R.T. 0.01 min

Lab File: VL035429.D

Acq: 17 Aug 2020 22:26

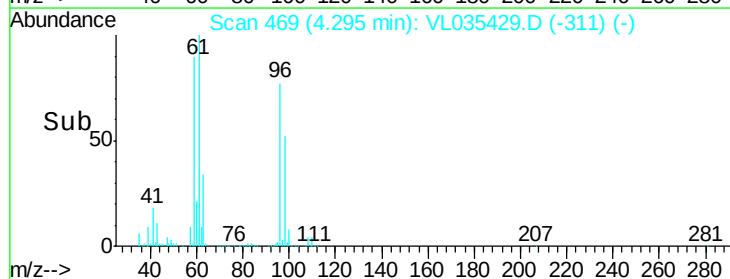
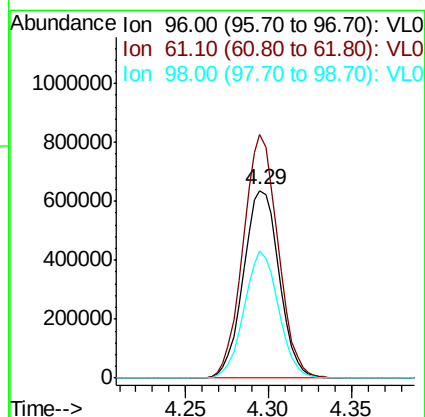
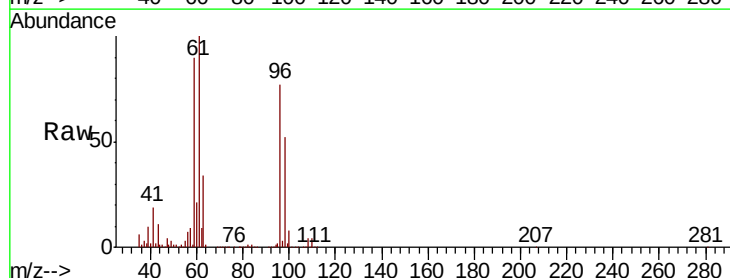
Tgt Ion: 96 Resp: 955349

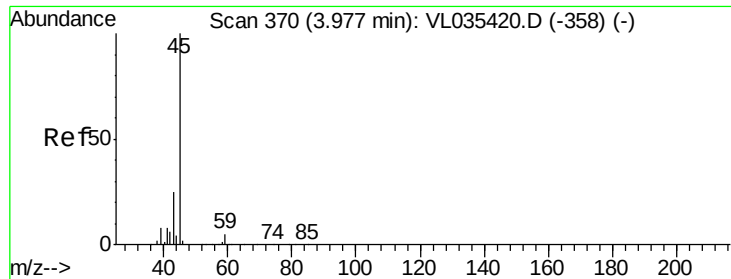
Ion Ratio Lower Upper

96 100

61 130.0 161.8 242.6#

98 68.0 49.3 73.9





#19

Isopropyl Alcohol

Concen: 8.769 ppbv

RT: 3.97 min Scan# 369

Delta R.T. 0.00 min

Lab File: VL035429.D

Acq: 17 Aug 2020 22:26

Instrument :

MSVOA_L

ClientSampleId :

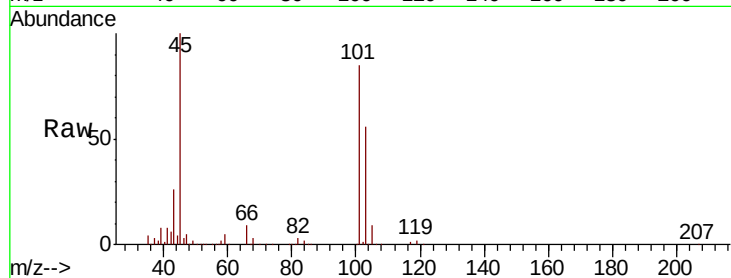
VL0817ABS01

Tot Ion: 45 Resp: 751421

Ion Ratio Lower Upper

45 100

58 2.0 1.0 1.6#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.97

400000

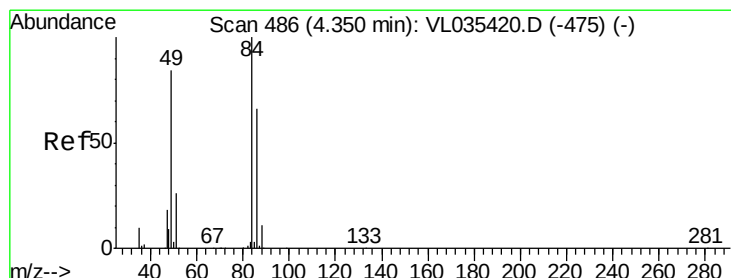
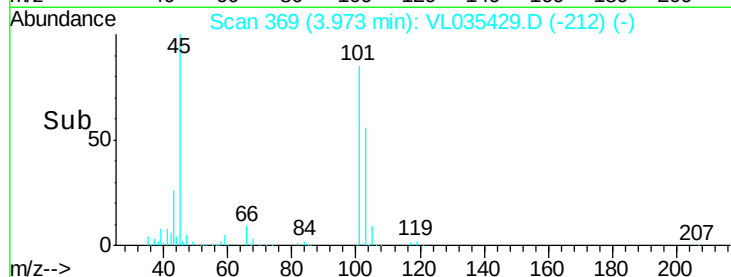
300000

200000

100000

0

Time-->



#20

Methylene Chloride

Concen: 7.460 ppbv

RT: 4.35 min Scan# 486

Delta R.T. 0.01 min

Lab File: VL035429.D

Acq: 17 Aug 2020 22:26

Tgt Ion: 84 Resp: 748285

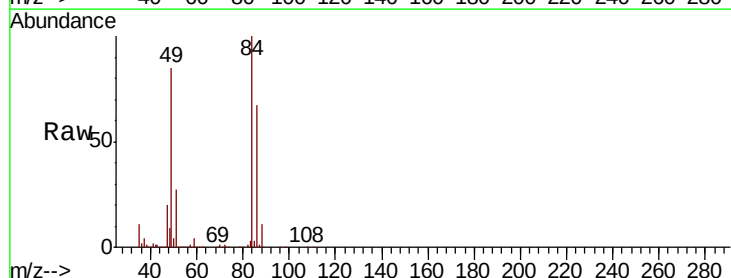
Ion Ratio Lower Upper

84 100

49 84.3 118.6 177.8#

51 27.1 36.4 54.6#

86 67.1 50.2 75.4



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

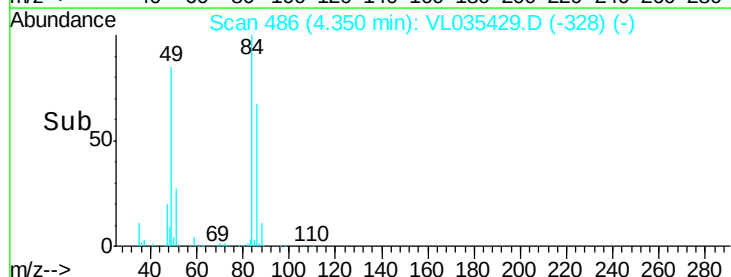
600000

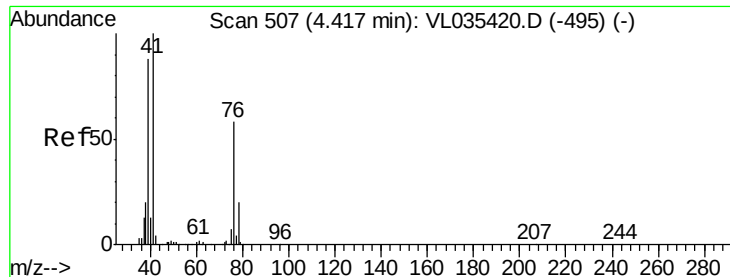
400000

200000

0

Time-->





#21

Allvl Chloride

Concen: 9.704 ppbv

RT: 4.42 min Scan# 508

Delta R.T. 0.01 min

Lab File: VL035429.D

Acq: 17 Aug 2020 22:26

Instrument :

MSVOA_L

ClientSampleId :

VL0817ABS01

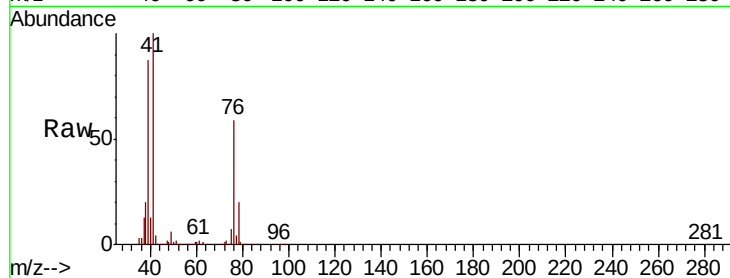
Tot Ion: 41 Resp: 613051

Ion Ratio Lower Upper

41 100

76 58.9 22.8 34.2#

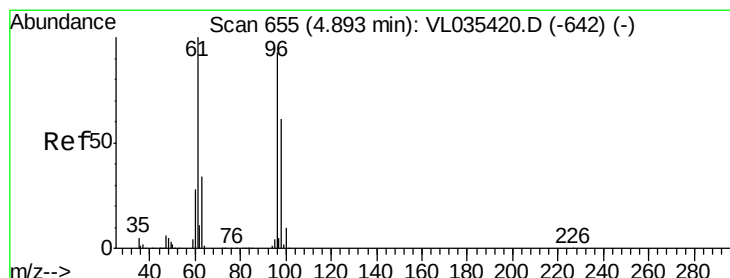
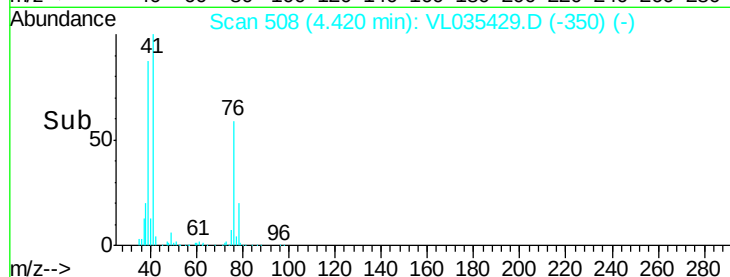
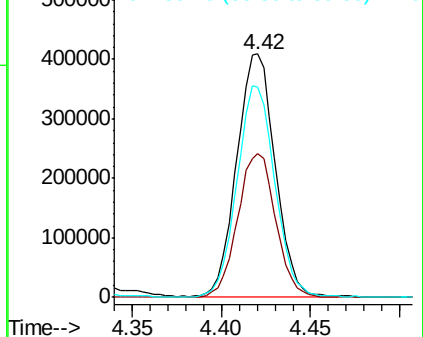
39 86.5 66.2 99.2



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: 9.215 ppbv

RT: 4.89 min Scan# 655

Delta R.T. 0.00 min

Lab File: VL035429.D

Acq: 17 Aug 2020 22:26

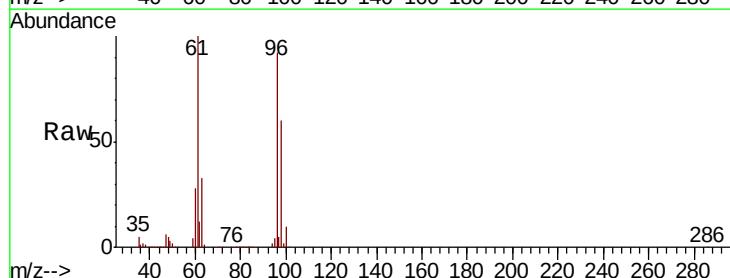
Tgt Ion: 96 Resp: 1016369

Ion Ratio Lower Upper

96 100

61 108.8 142.2 213.2#

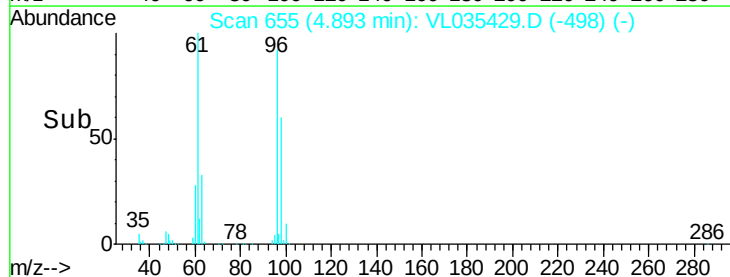
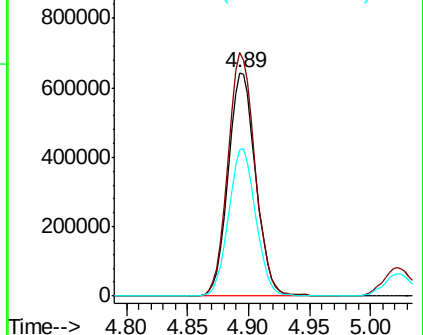
98 65.3 51.8 77.8

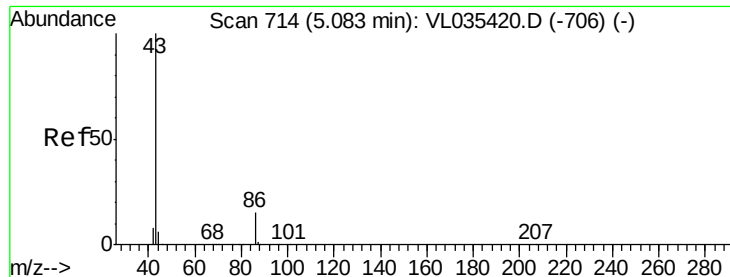


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 9.412 ppbv

RT: 5.09 min Scan# 715

Delta R.T. 0.01 min

Lab File: VL035429.D

Acq: 17 Aug 2020 22:26

Instrument :

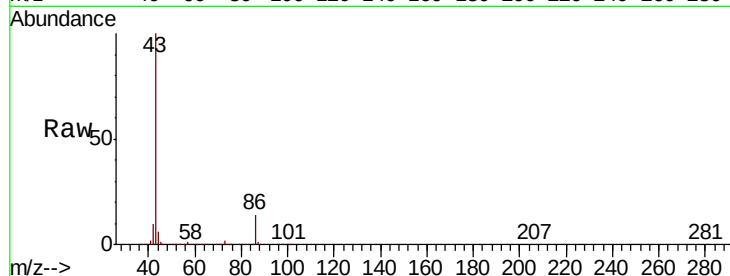
MSVOA_L

ClientSampleId :

VL0817ABS01

Tot Ion: 43 Resp: 1672764

Ion	Ratio	Lower	Upper
43	100		
86	13.8	6.5	9.7#
42	9.6	8.3	12.5
44	5.5	4.0	6.0

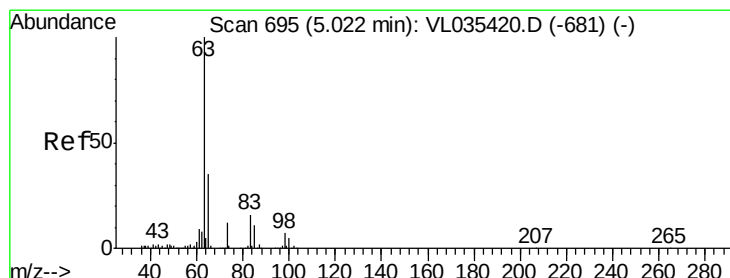
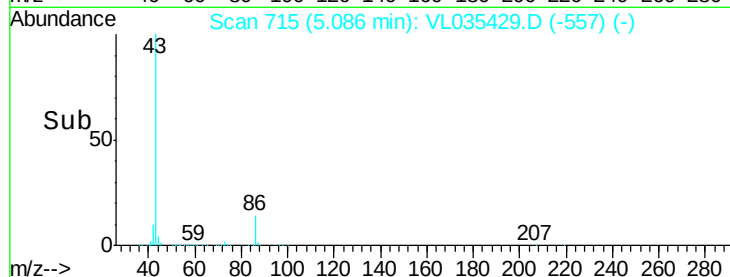
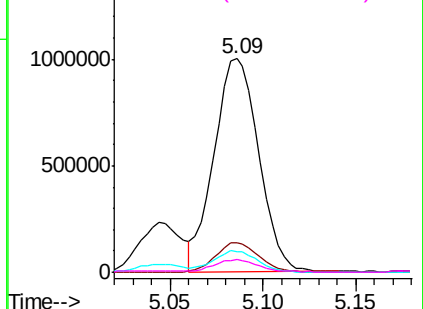


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.077 ppbv

RT: 5.02 min Scan# 695

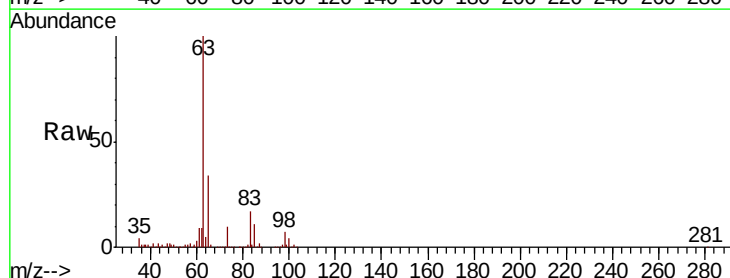
Delta R.T. 0.01 min

Lab File: VL035429.D

Acq: 17 Aug 2020 22:26

Tgt Ion: 63 Resp: 1609877

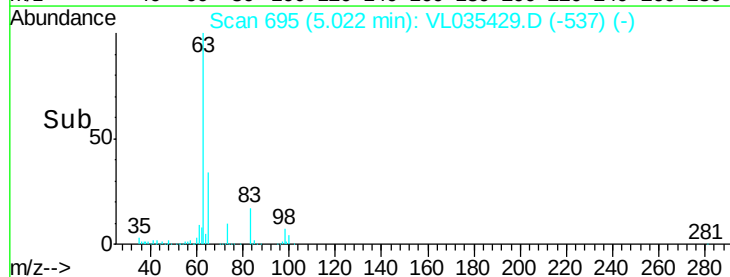
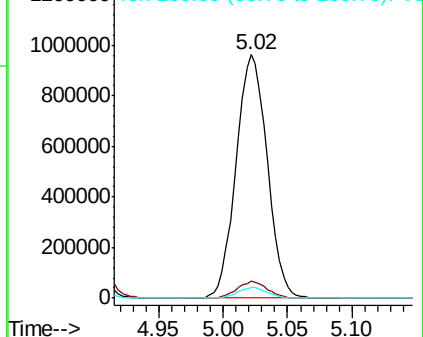
Ion	Ratio	Lower	Upper
63	100		
98	6.8	2.1	6.5#
100	4.4	1.3	3.8#

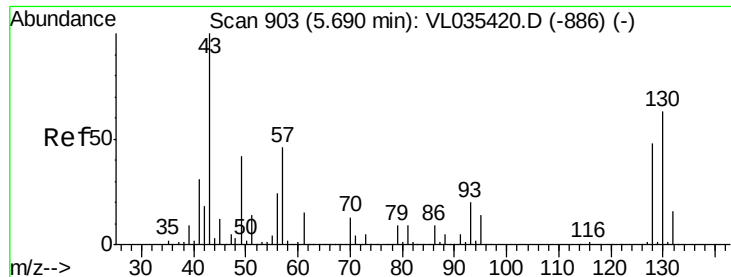


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 8.709 ppbv

RT: 5.69 min Scan# 903

Delta R.T. 0.01 min

Lab File: VL035429.D

Acq: 17 Aug 2020 22:26

Instrument :

MSVOA_L

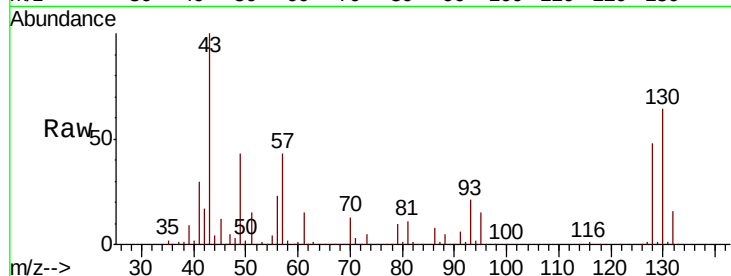
ClientSampleId :

VL0817ABS01

Tot Ion: 43 Resp: 2106951

Ion Ratio Lower Upper

43	100		
45	10.8	8.3	12.5
61	13.2	7.6	11.4#
70	11.7	6.0	9.0#



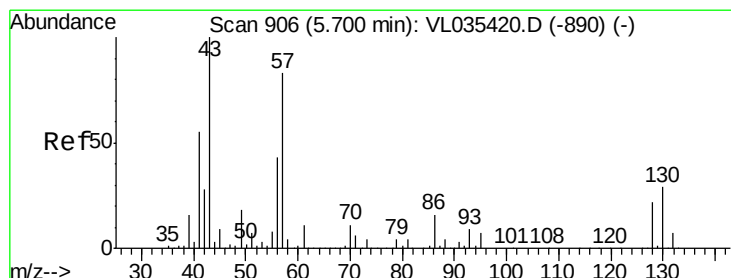
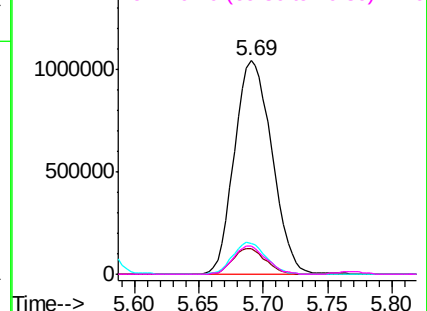
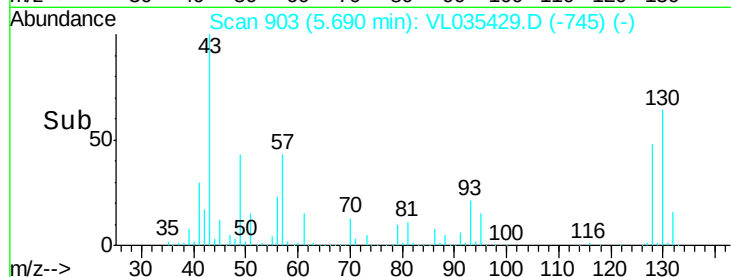
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 8.821 ppbv

RT: 5.70 min Scan# 906

Delta R.T. 0.01 min

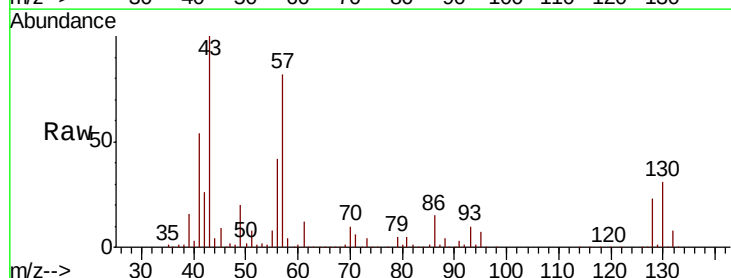
Lab File: VL035429.D

Acq: 17 Aug 2020 22:26

Tgt Ion: 57 Resp: 1204276

Ion Ratio Lower Upper

57	100		
41	70.2	75.5	113.3#
43	175.5	181.7	272.5#
56	51.5	42.4	63.6



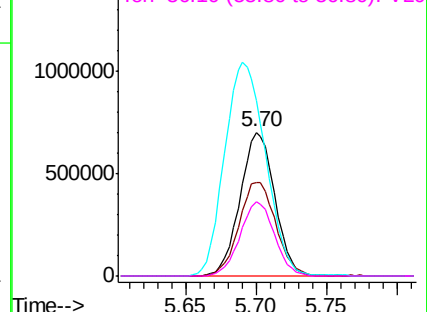
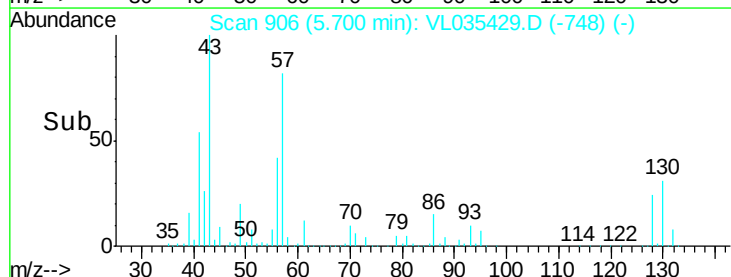
Abundance

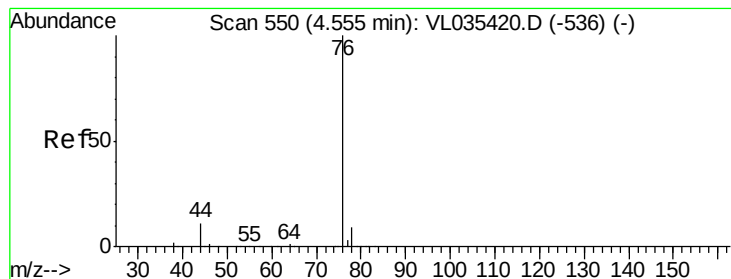
Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 10.045 ppbv

RT: 4.56 min Scan# 550

Delta R.T. 0.00 min

Lab File: VL035429.D

Acq: 17 Aug 2020 22:26

Instrument :

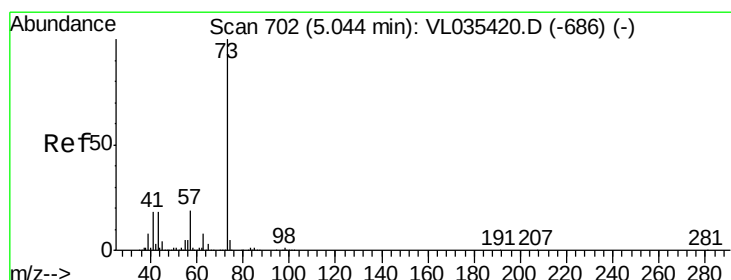
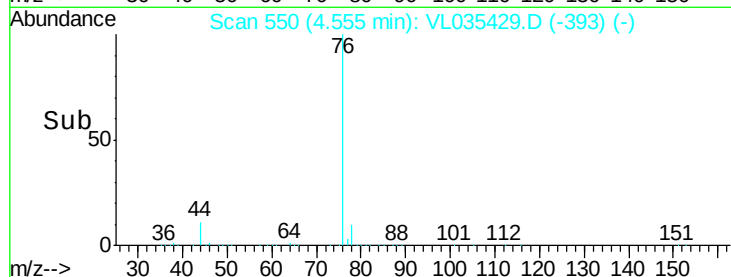
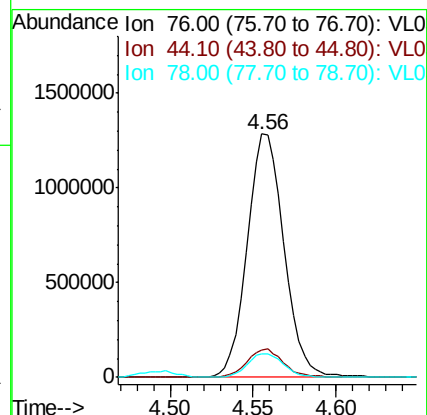
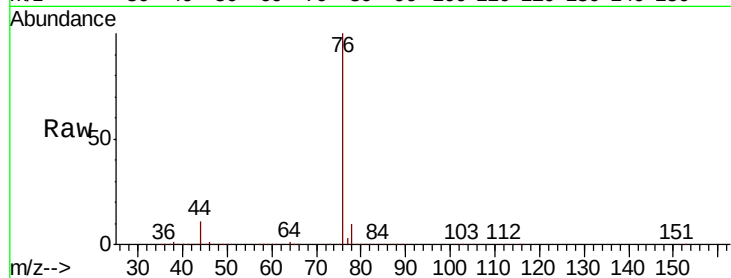
MSVOA_L

ClientSampleId :

VL0817ABS01

Tot Ion: 76 Resp: 1982284

Ion	Ratio	Lower	Upper
76	100		
44	11.5	16.8	25.2#
78	9.8	7.3	10.9



#28

Methyl tert-Butyl Ether

Concen: 9.186 ppbv

RT: 5.04 min Scan# 702

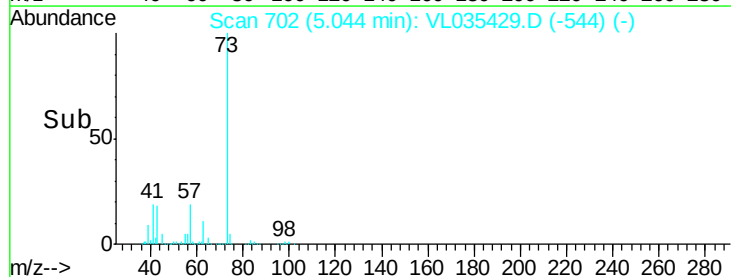
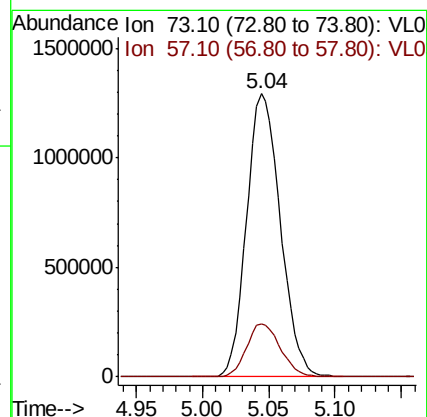
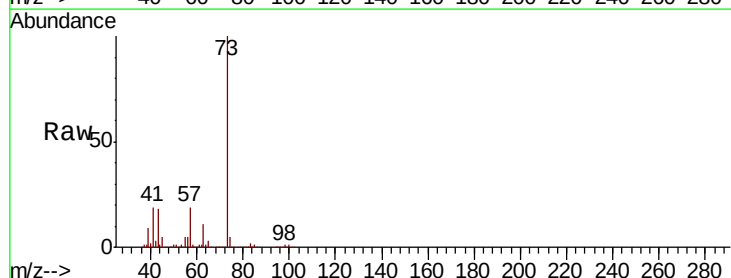
Delta R.T. 0.01 min

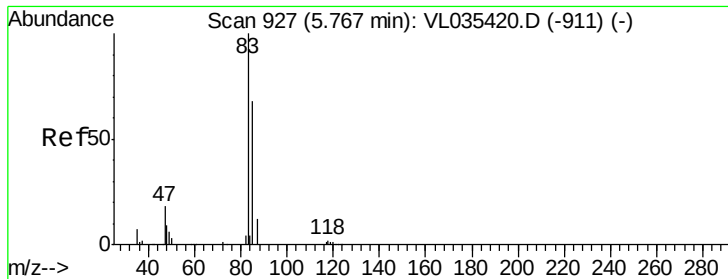
Lab File: VL035429.D

Acq: 17 Aug 2020 22:26

Tgt Ion: 73 Resp: 2290850

Ion	Ratio	Lower	Upper
73	100		
57	18.8	18.3	27.5

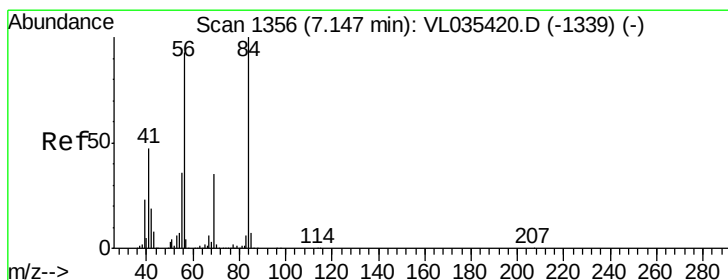
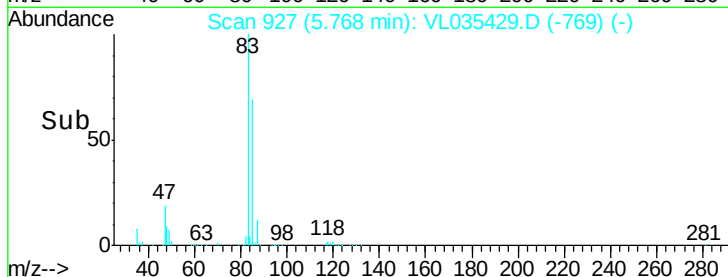
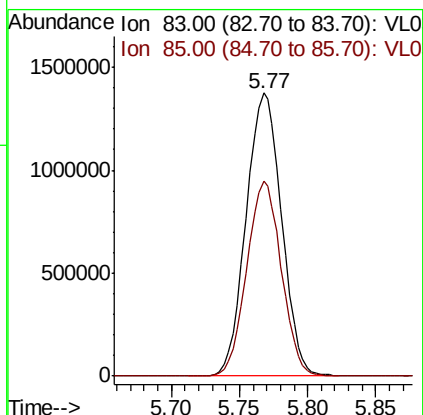
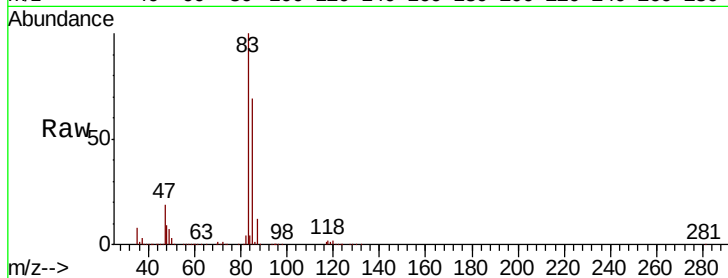




#29
Chloroform
Concen: 9.066 ppbv
RT: 5.77 min Scan# 927
Delta R.T. 0.01 min
Lab File: VL035429.D
Acq: 17 Aug 2020 22:26

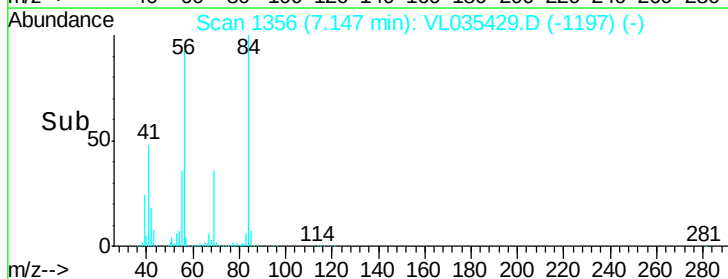
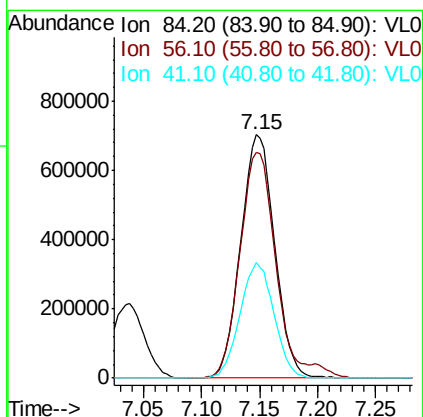
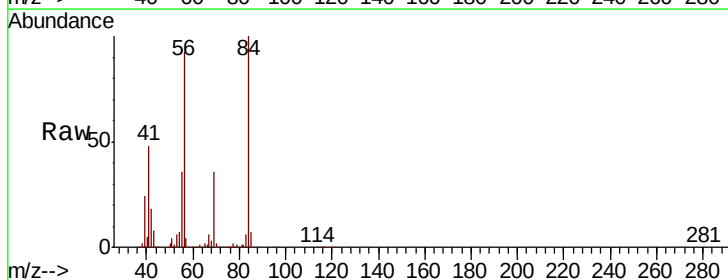
Instrument :
MSVOA_L
ClientSampleId :
VL0817ABS01

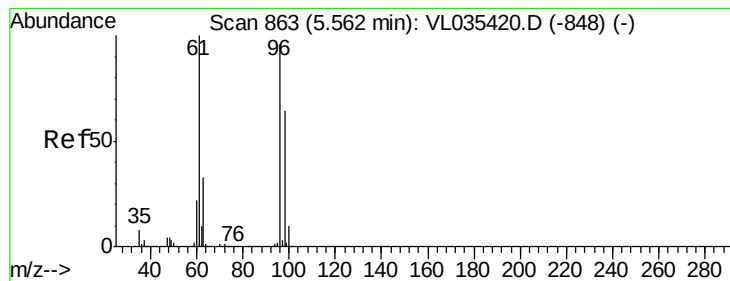
Tot Ion: 83 Resp: 2486918
Ion Ratio Lower Upper
83 100
85 68.8 52.7 79.1



#30
Cyclohexane
Concen: 9.464 ppbv
RT: 7.15 min Scan# 1356
Delta R.T. 0.01 min
Lab File: VL035429.D
Acq: 17 Aug 2020 22:26

Tgt Ion: 84 Resp: 1433455
Ion Ratio Lower Upper
84 100
56 99.3 114.9 172.3#
41 47.4 72.3 108.5#



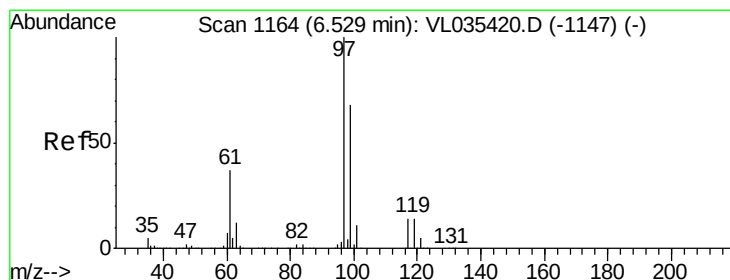
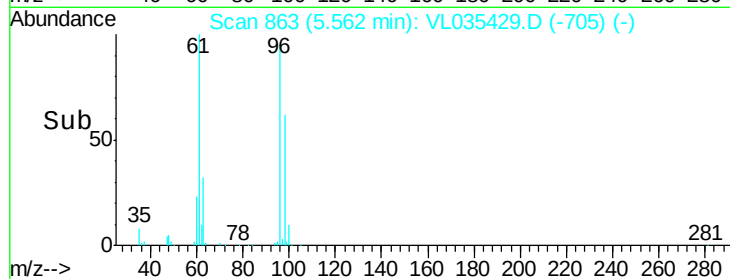
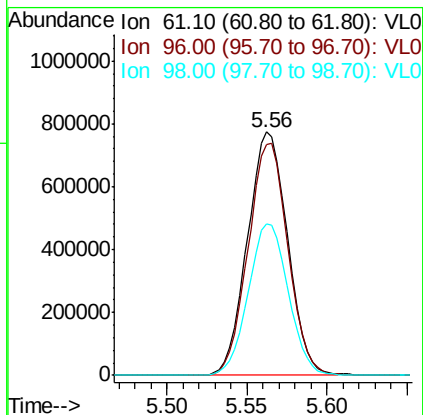
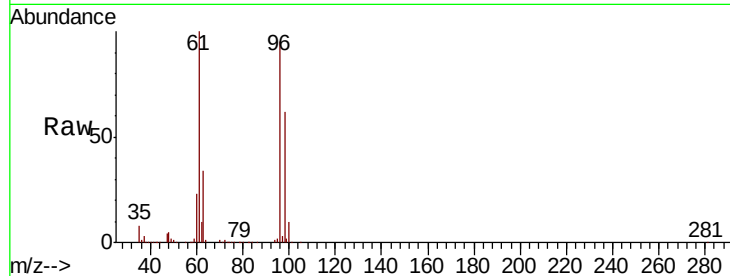


#31

cis-1,2-Dichloroethene
 Concen: 9.282 ppbv
 RT: 5.56 min Scan# 863
 Delta R.T. 0.01 min
 Lab File: VL035429.D
 Acq: 17 Aug 2020 22:26

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0817ABS01

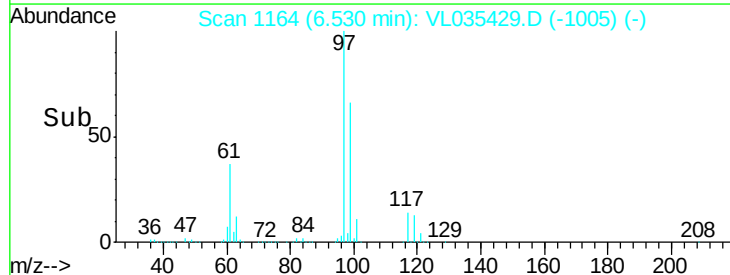
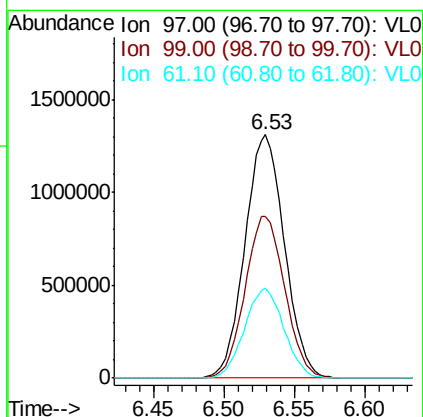
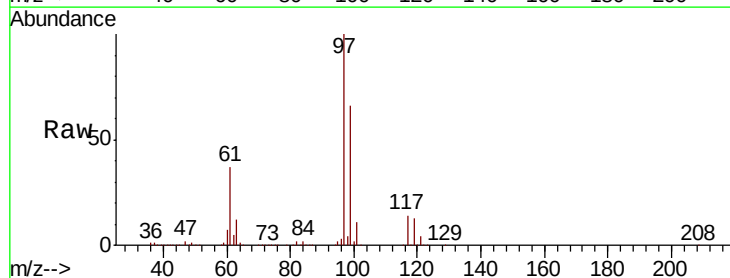
Tot Ion: 61 Resp: 1332694
 Ion Ratio Lower Upper
 61 100
 96 94.8 51.4 77.0#
 98 62.0 32.9 49.3#

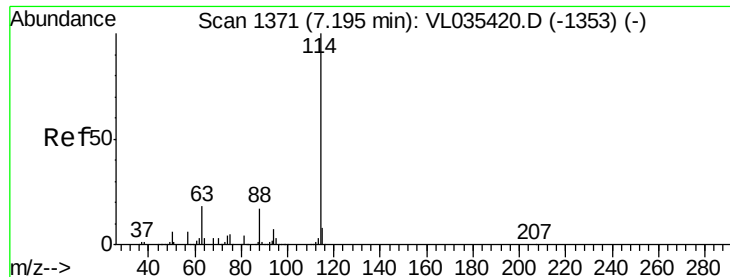


#32

1,1,1-Trichloroethane
 Concen: 10.001 ppbv
 RT: 6.53 min Scan# 1164
 Delta R.T. 0.01 min
 Lab File: VL035429.D
 Acq: 17 Aug 2020 22:26

Tgt Ion: 97 Resp: 2570904
 Ion Ratio Lower Upper
 97 100
 99 66.8 51.4 77.0
 61 37.0 41.0 61.6#

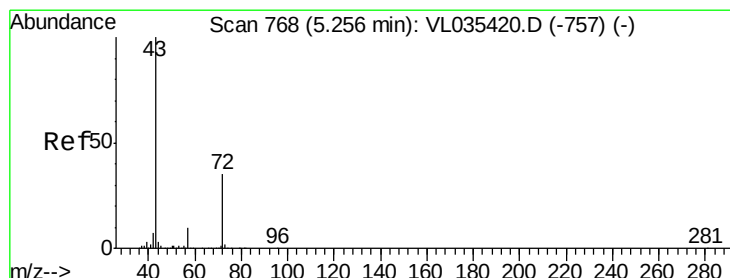
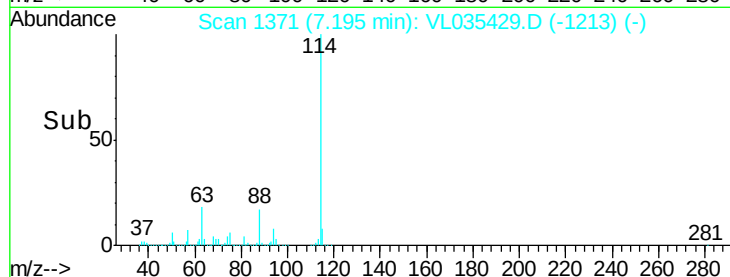
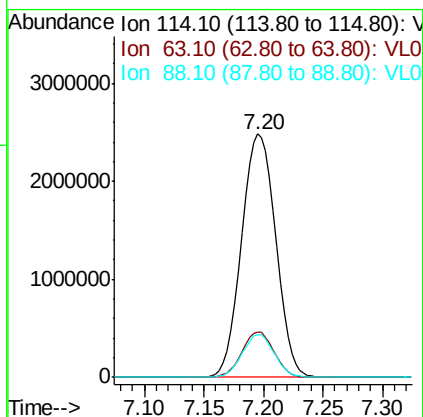
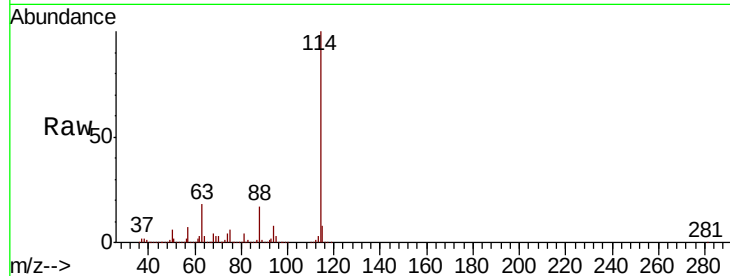




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.20 min Scan# 1371
 Delta R.T. 0.01 min
 Lab File: VL035429.D
 Acq: 17 Aug 2020 22:26

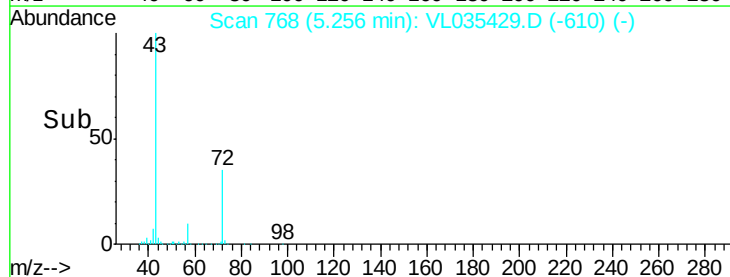
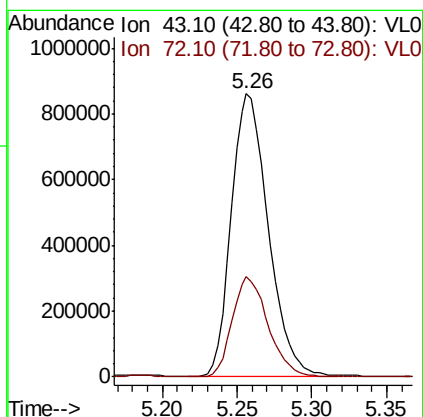
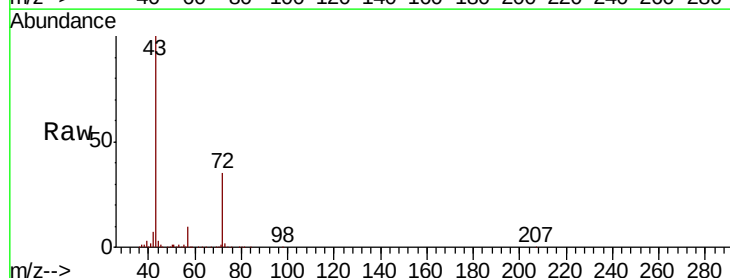
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0817ABS01

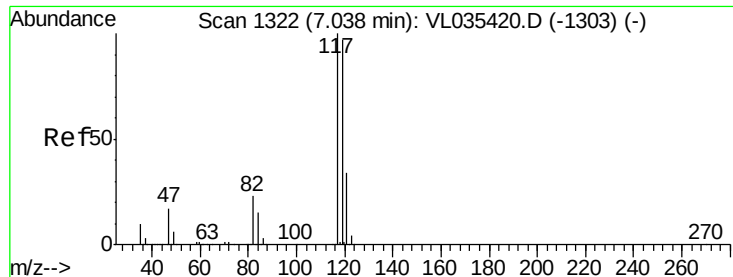
Tot Ion:114 Resp: 4957071
 Ion Ratio Lower Upper
 114 100
 63 17.8 23.1 34.7#
 88 16.6 15.9 23.9



#34
 2-Butanone
 Concen: 8.942 ppbv
 RT: 5.26 min Scan# 768
 Delta R.T. 0.01 min
 Lab File: VL035429.D
 Acq: 17 Aug 2020 22:26

Tgt Ion: 43 Resp: 1480960
 Ion Ratio Lower Upper
 43 100
 72 34.5 17.6 26.4#





#35

Carbon Tetrachloride

Concen: 10.480 ppbv

RT: 7.04 min Scan# 1322

Delta R.T. 0.01 min

Lab File: VL035429.D

Acq: 17 Aug 2020 22:26

Instrument :

MSVOA_L

ClientSampleId :

VL0817ABS01

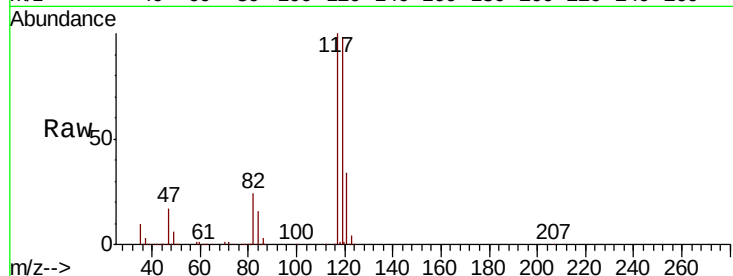
Tot Ion:117 Resp: 2762933

Ion Ratio Lower Upper

117 100

119 97.9 76.1 114.1

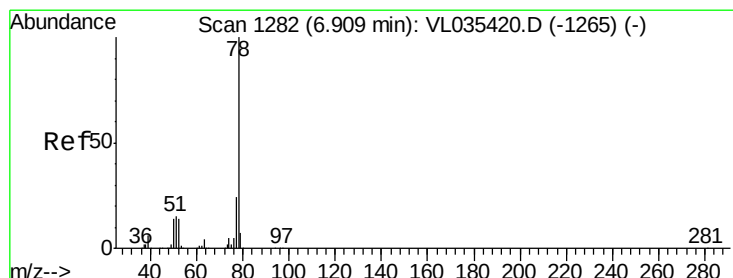
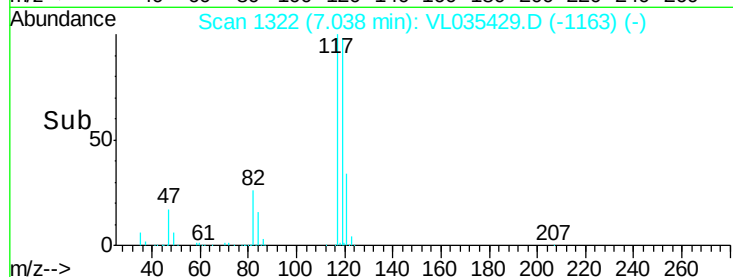
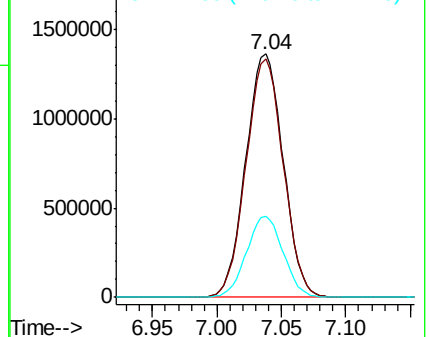
121 33.5 25.5 38.3



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: 8.926 ppbv

RT: 6.91 min Scan# 1282

Delta R.T. 0.01 min

Lab File: VL035429.D

Acq: 17 Aug 2020 22:26

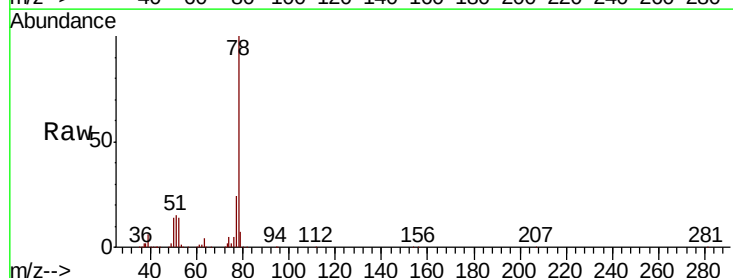
Tgt Ion: 78 Resp: 3247338

Ion Ratio Lower Upper

78 100

77 24.0 19.6 29.4

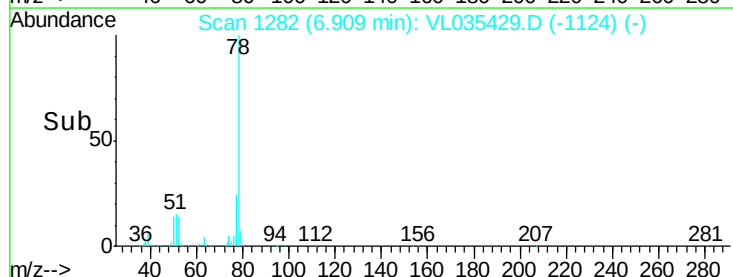
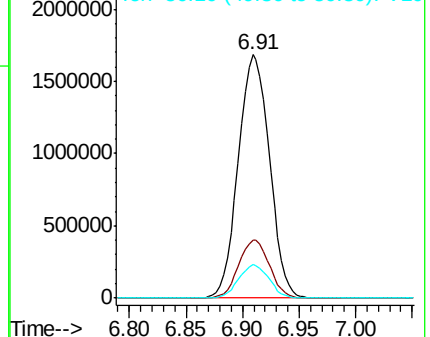
50 13.8 16.3 24.5#

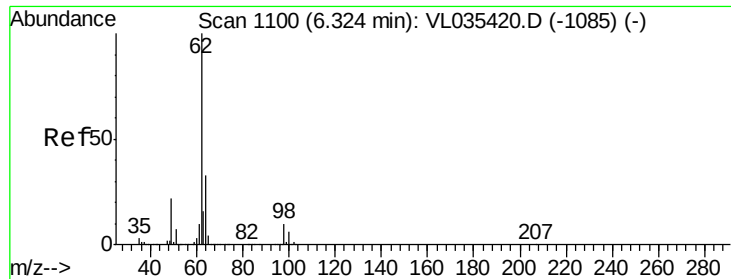


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

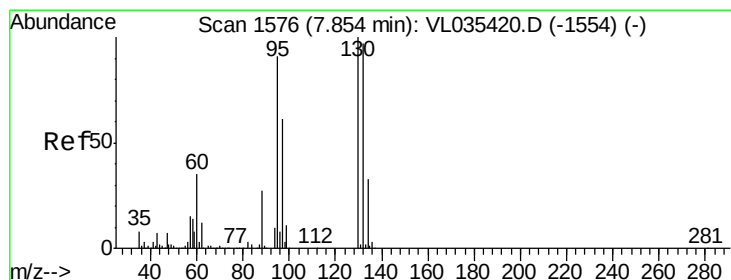
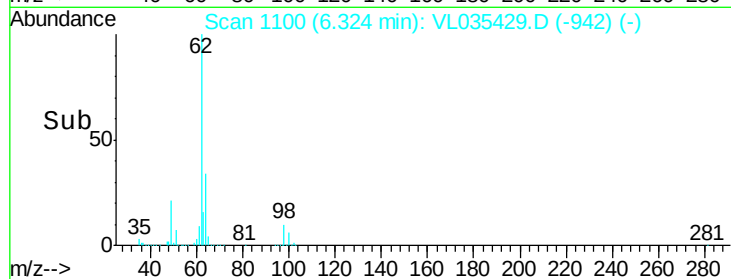
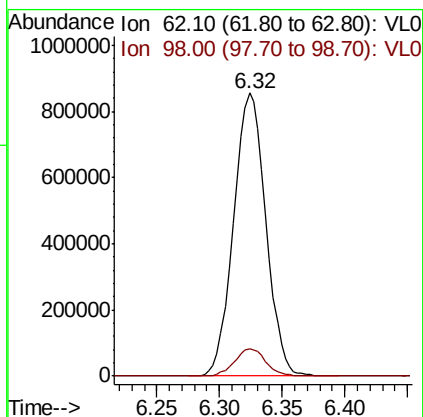
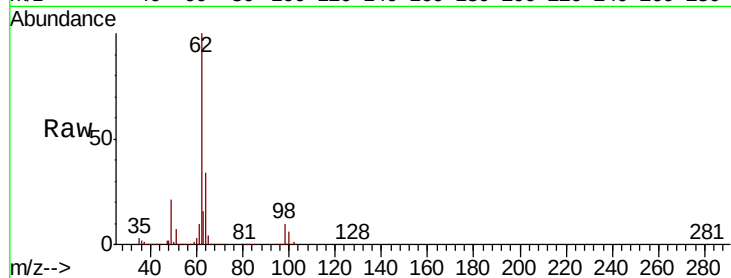




#37
 1,2-Dichloroethane
 Concen: 9.188 ppbv
 RT: 6.32 min Scan# 1100
 Delta R.T. 0.01 min
 Lab File: VL035429.D
 Acq: 17 Aug 2020 22:26

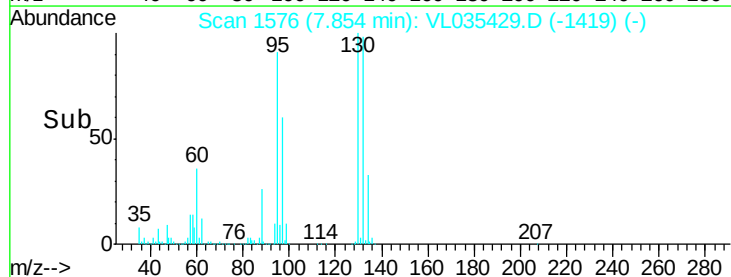
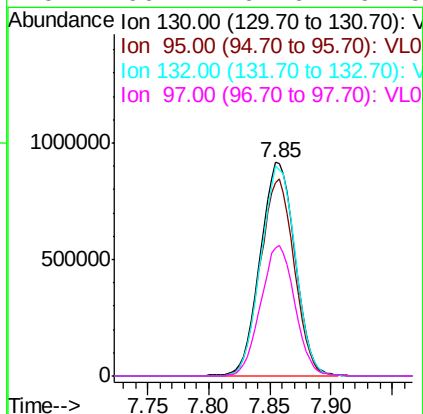
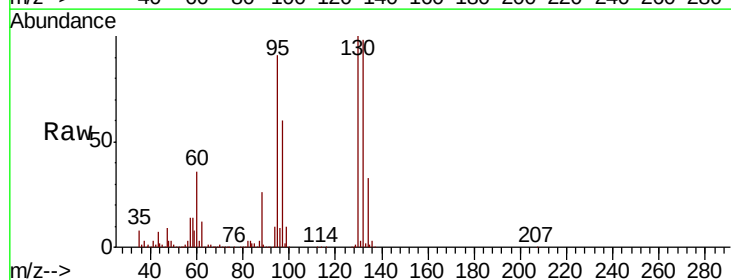
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0817ABS01

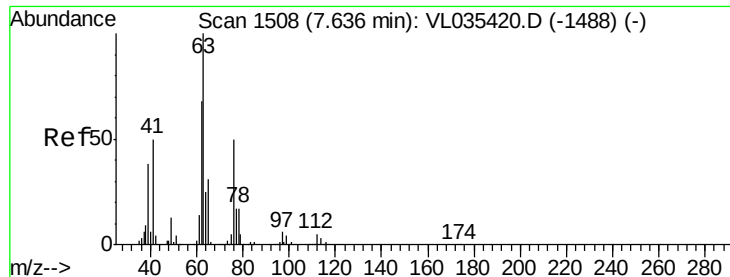
Tot Ion: 62 Resp: 1527719
 Ion Ratio Lower Upper
 62 100
 98 9.5 4.6 7.0#



#38
 Trichloroethene
 Concen: 9.018 ppbv
 RT: 7.85 min Scan# 1576
 Delta R.T. 0.00 min
 Lab File: VL035429.D
 Acq: 17 Aug 2020 22:26

Tgt Ion: 130 Resp: 1825145
 Ion Ratio Lower Upper
 130 100
 95 90.7 95.8 143.8#
 132 98.1 74.3 111.5
 97 60.1 62.6 94.0#





#39

1,2-Dichloropropane

Concen: 9.120 ppbv

RT: 7.64 min Scan# 1508

Delta R.T. 0.01 min

Lab File: VL035429.D

Acq: 17 Aug 2020 22:26

Instrument :

MSVOA_L

ClientSampleId :

VL0817ABS01

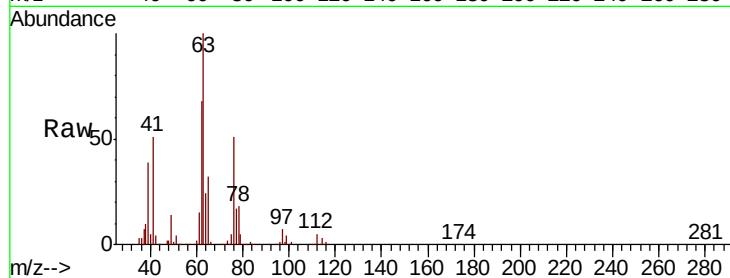
Tot Ion: 63 Resp: 1093548

Ion Ratio Lower Upper

63 100

41 50.8 61.1 91.7#

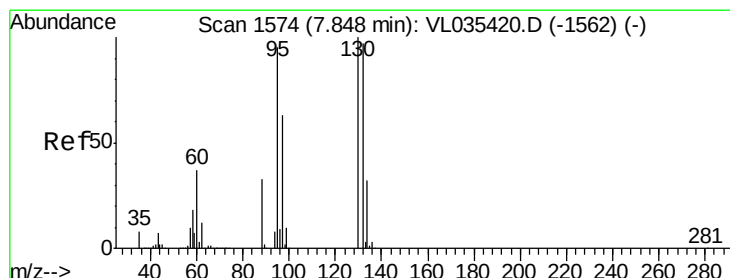
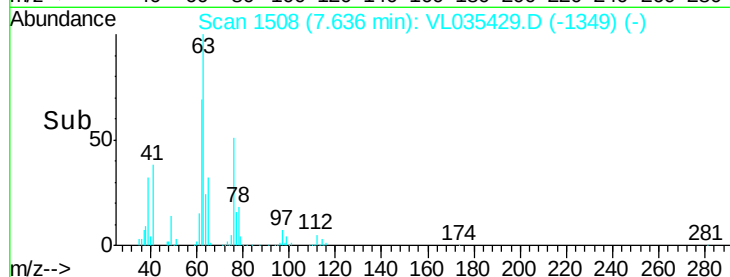
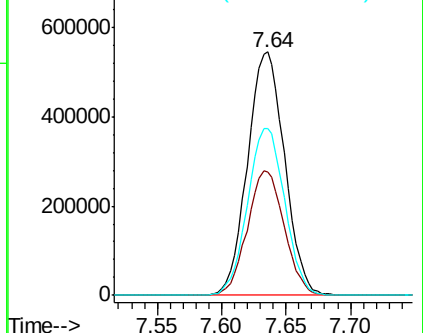
62 68.5 55.3 82.9



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 8.388 ppbv

RT: 7.85 min Scan# 1575

Delta R.T. 0.01 min

Lab File: VL035429.D

Acq: 17 Aug 2020 22:26

Tgt Ion: 88 Resp: 547908

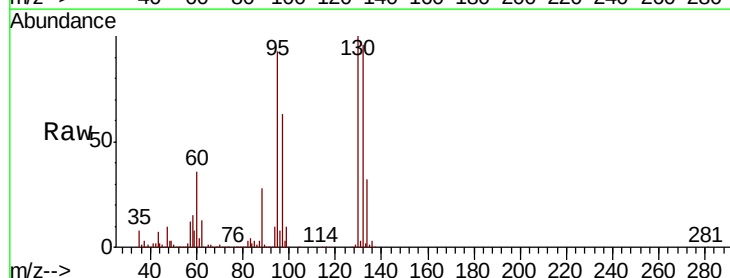
Ion Ratio Lower Upper

88 100

58 89.9 106.6 160.0#

43 138.9 209.7 314.5#

57 753.4 873.3 1309.9#

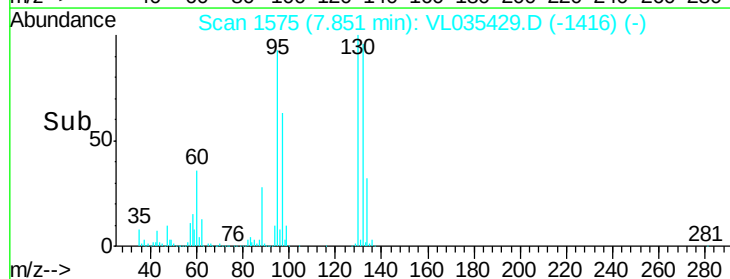
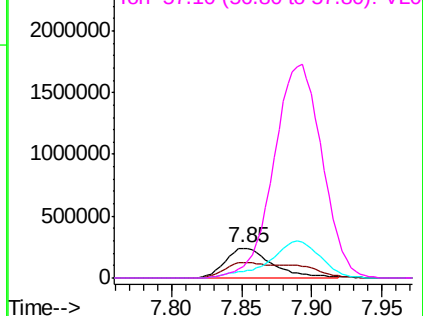


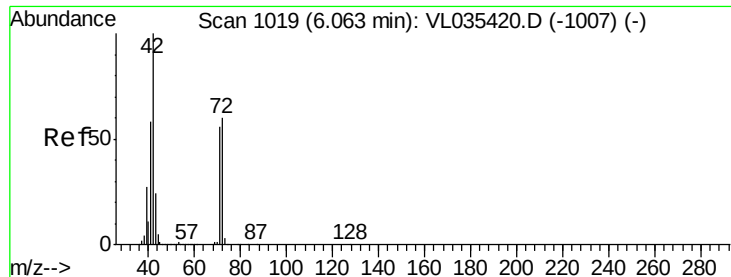
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#41

Tetrahydrofuran

Concen: 9.406 ppbv

RT: 6.06 min Scan# 1019

Delta R.T. 0.01 min

Lab File: VL035429.D

Acq: 17 Aug 2020 22:26

Instrument :

MSVOA_L

ClientSampleId :

VL0817ABS01

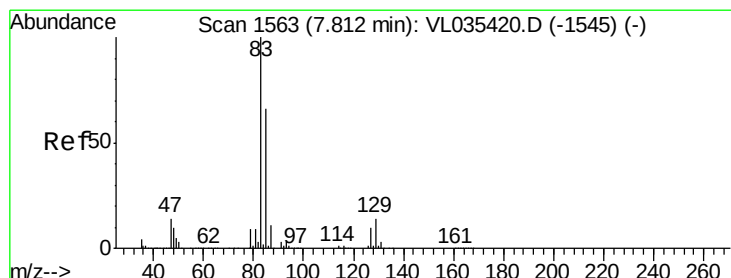
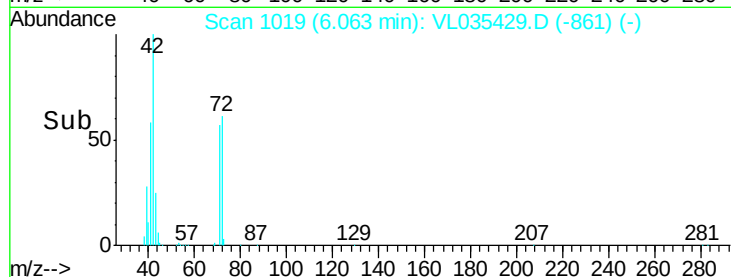
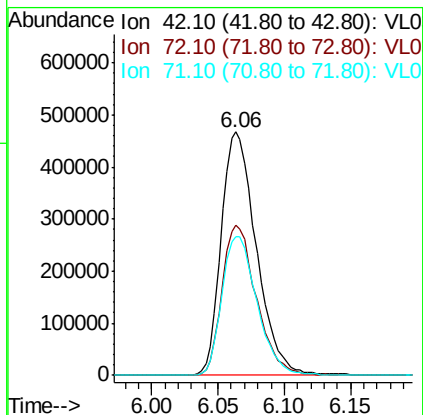
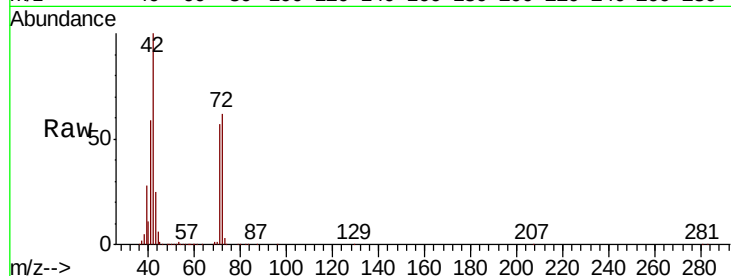
Tot Ion: 42 Resp: 859334

Ion Ratio Lower Upper

42 100

72 60.8 29.4 44.2#

71 57.6 28.9 43.3#



#42

Bromodichloromethane

Concen: 9.612 ppbv

RT: 7.81 min Scan# 1563

Delta R.T. 0.01 min

Lab File: VL035429.D

Acq: 17 Aug 2020 22:26

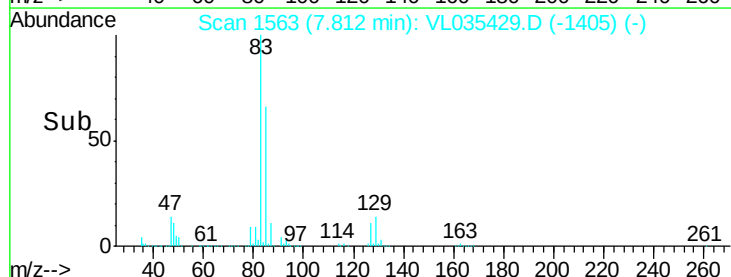
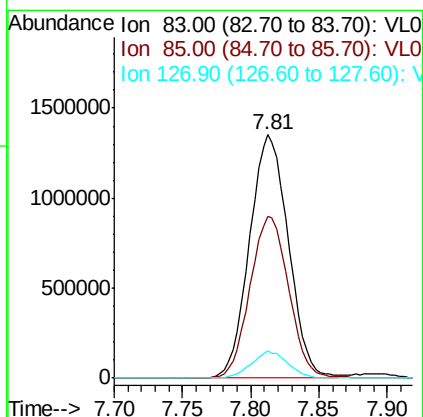
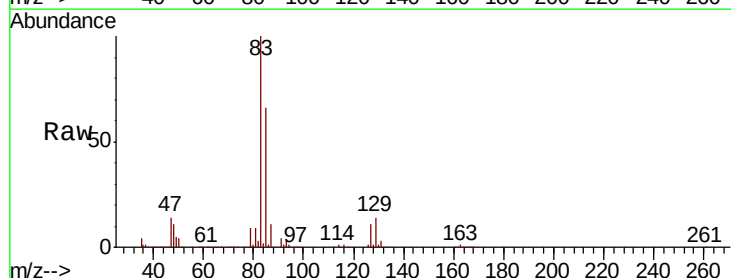
Tgt Ion: 83 Resp: 2674307

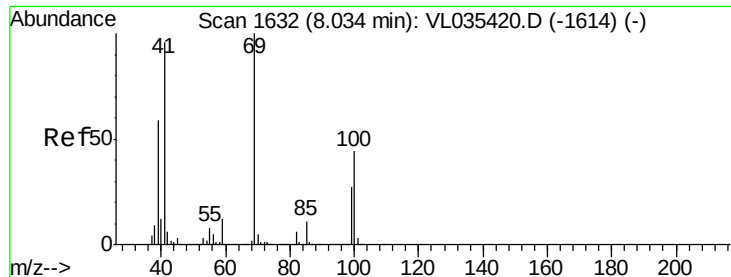
Ion Ratio Lower Upper

83 100

85 66.3 54.8 82.2

127 11.0 6.1 9.1#

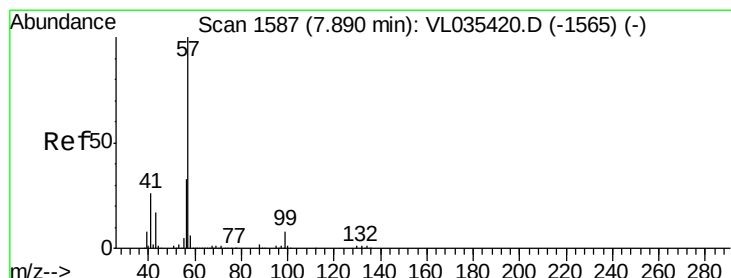
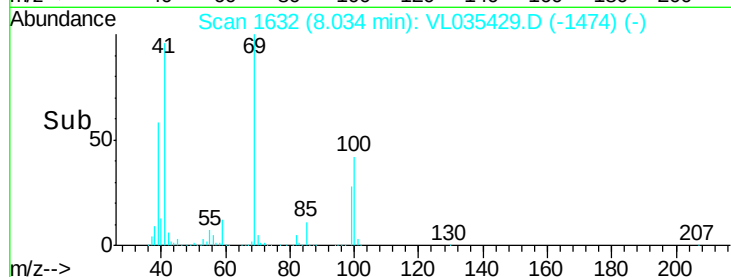
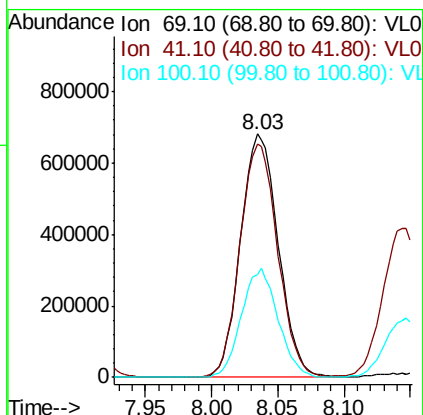
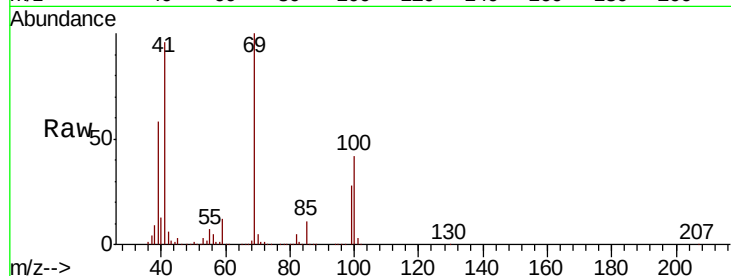




#43
Methyl Methacrylate
Concen: 9.453 ppbv
RT: 8.03 min Scan# 1632
Delta R.T. 0.01 min
Lab File: VL035429.D
Acq: 17 Aug 2020 22:26

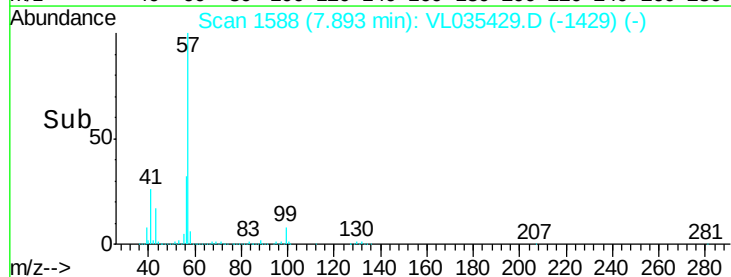
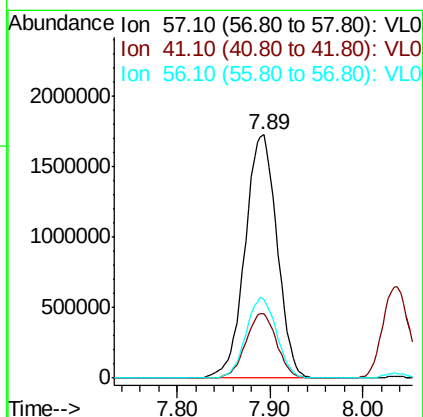
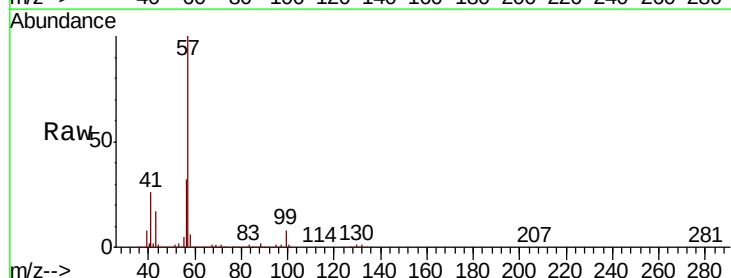
Instrument :
MSVOA_L
ClientSampleId :
VL0817ABS01

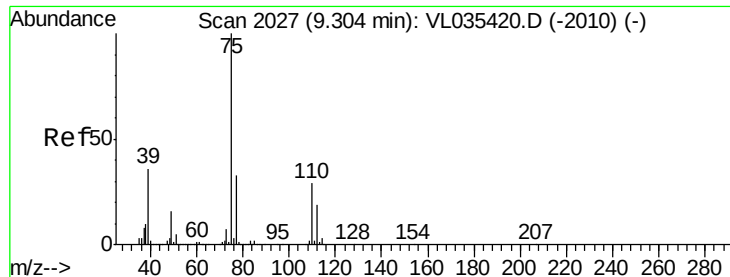
Tot Ion: 69 Resp: 1344947
Ion Ratio Lower Upper
69 100
41 96.0 123.4 185.0#
100 43.3 24.2 36.4#



#44
2,2,4-Trimethylpentane
Concen: 8.682 ppbv
RT: 7.89 min Scan# 1588
Delta R.T. 0.01 min
Lab File: VL035429.D
Acq: 17 Aug 2020 22:26

Tgt Ion: 57 Resp: 4125058
Ion Ratio Lower Upper
57 100
41 25.5 27.2 40.8#
56 31.6 25.4 38.0





#45

t-1,3-Dichloropropene

Concen: 10.725 ppbv

RT: 9.30 min Scan# 2027

Delta R.T. 0.01 min

Lab File: VL035429.D

Acq: 17 Aug 2020 22:26

Instrument :

MSVOA_L

ClientSampleId :

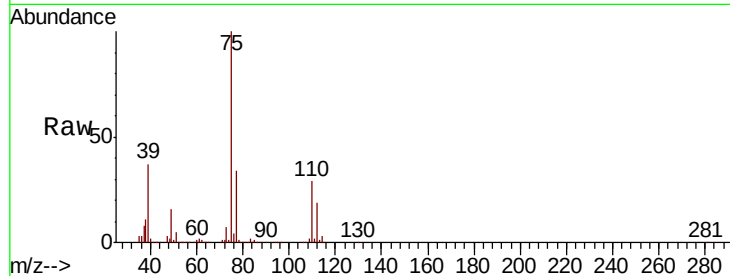
VL0817ABS01

Tot Ion: 75 Resp: 1571835

Ion Ratio Lower Upper

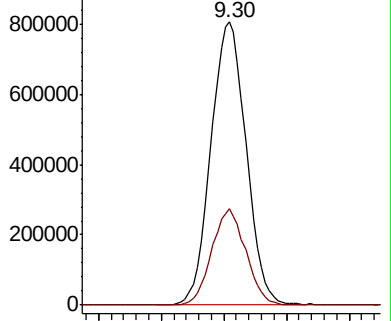
75 100

77 34.0 25.0 37.6

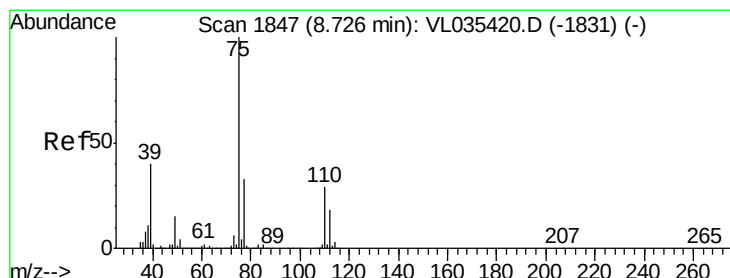
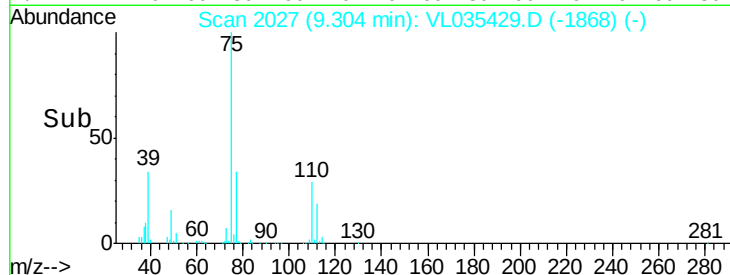


Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



Time-->



#46

cis-1,3-Dichloropropene

Concen: 10.153 ppbv

RT: 8.73 min Scan# 1847

Delta R.T. 0.01 min

Lab File: VL035429.D

Acq: 17 Aug 2020 22:26

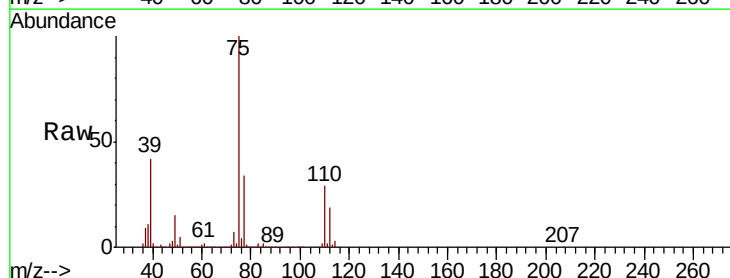
Tgt Ion: 75 Resp: 1853693

Ion Ratio Lower Upper

75 100

39 42.0 55.8 83.6#

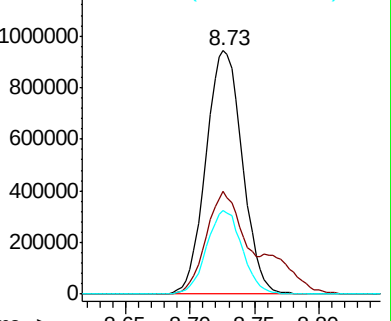
77 34.1 25.6 38.4



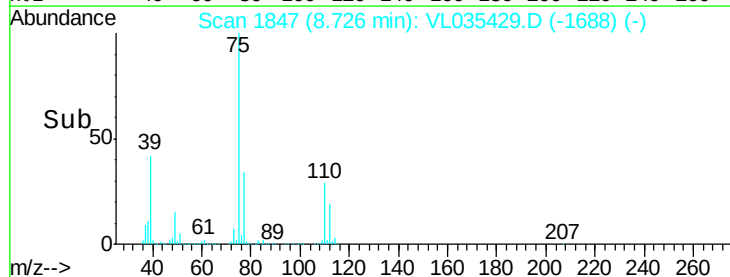
Abundance Ion 75.00 (74.70 to 75.70): VL0

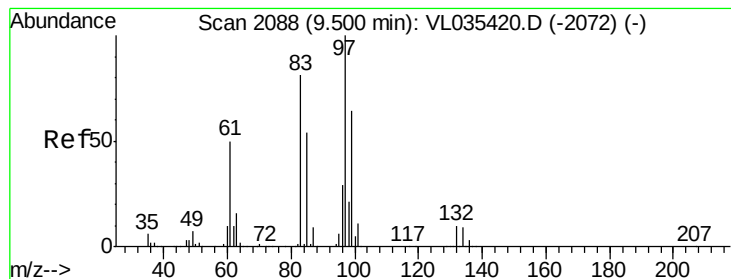
Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0



Time-->





#47

1,1,2-Trichloroethane

Concen: 9.071 ppbv

RT: 9.50 min Scan# 2089

Delta R.T. 0.01 min

Lab File: VL035429.D

Acq: 17 Aug 2020 22:26

Instrument :

MSVOA_L

ClientSampleId :

VL0817ABS01

Tot Ion: 97 Resp: 1624586

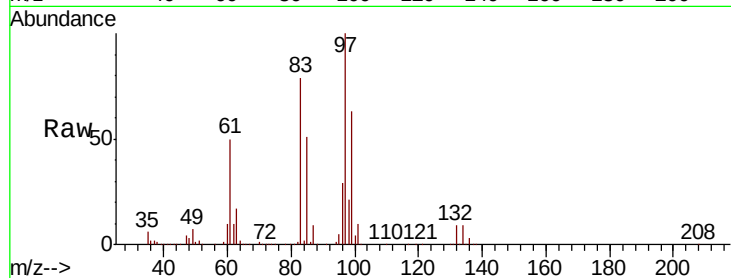
Ion Ratio Lower Upper

97 100

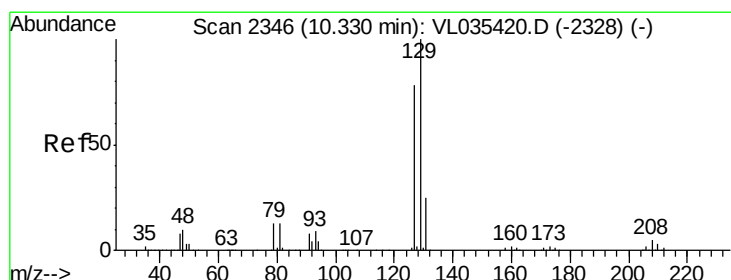
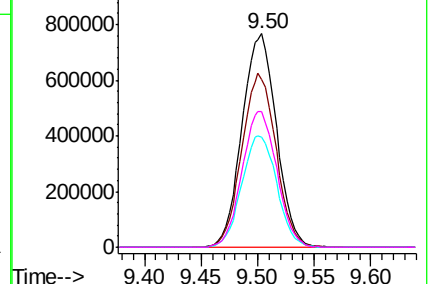
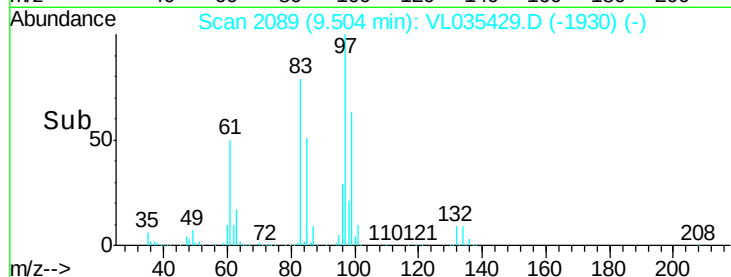
83 78.8 72.1 108.1

85 51.4 46.8 70.2

99 63.3 48.6 73.0



Abundance Ion 97.00 (96.70 to 97.70): VL0
1200000
Ion 83.00 (82.70 to 83.70): VL0
1000000
Ion 85.00 (84.70 to 85.70): VL0
800000
Ion 99.00 (98.70 to 99.70): VL0
600000
400000
200000
0



#48

Dibromochloromethane

Concen: 10.078 ppbv

RT: 10.33 min Scan# 2346

Delta R.T. 0.01 min

Lab File: VL035429.D

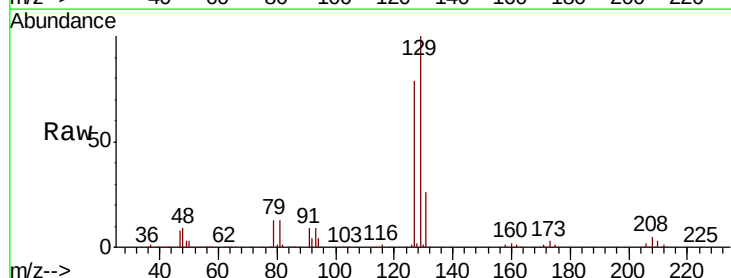
Acq: 17 Aug 2020 22:26

Tgt Ion: 129 Resp: 3027972

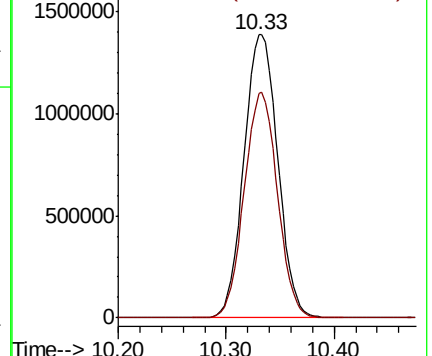
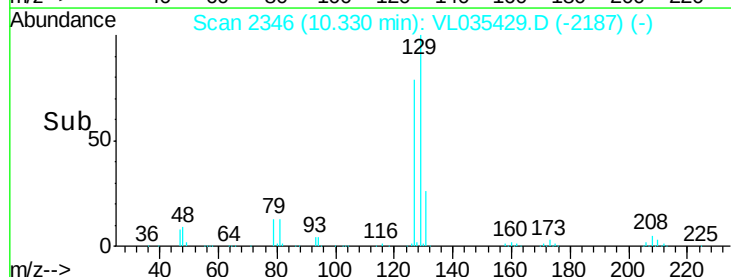
Ion Ratio Lower Upper

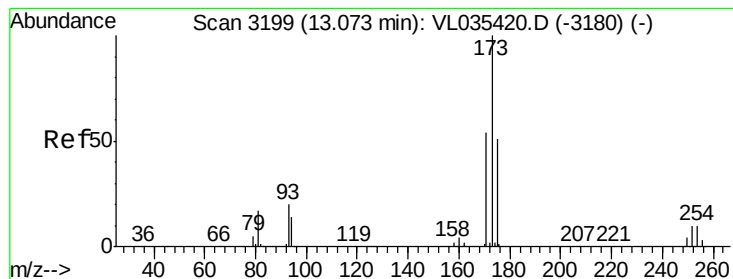
129 100

127 78.5 39.5 118.5



Abundance Ion 129.00 (128.70 to 129.70): V
1500000
Ion 127.00 (126.70 to 127.70): V
1000000
500000
0





#49

Bromoform

Concen: 10.575 ppbv

RT: 13.07 min Scan# 3199

Delta R.T. 0.01 min

Lab File: VL035429.D

Acq: 17 Aug 2020 22:26

Instrument :

MSVOA_L

ClientSampleId :

VL0817ABS01

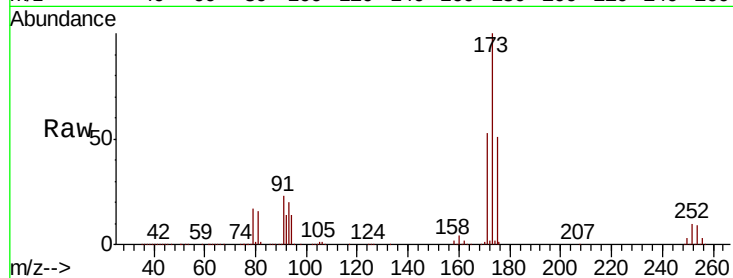
Tot Ion:173 Resp: 3060835

Ion Ratio Lower Upper

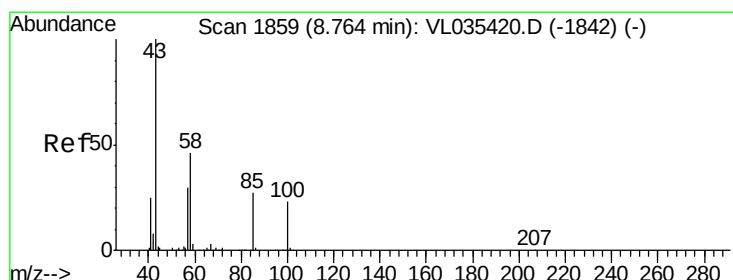
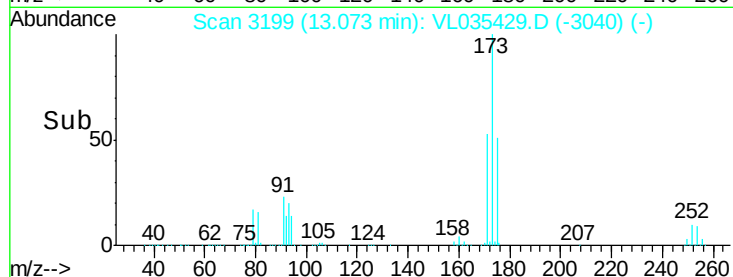
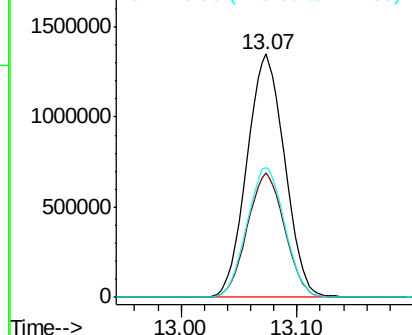
173 100

175 50.6 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: 9.266 ppbv

RT: 8.76 min Scan# 1859

Delta R.T. 0.01 min

Lab File: VL035429.D

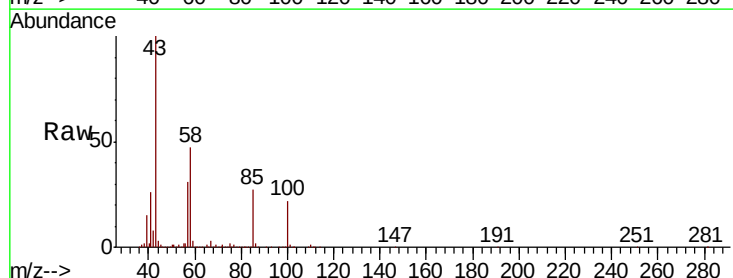
Acq: 17 Aug 2020 22:26

Tgt Ion: 43 Resp: 2201265

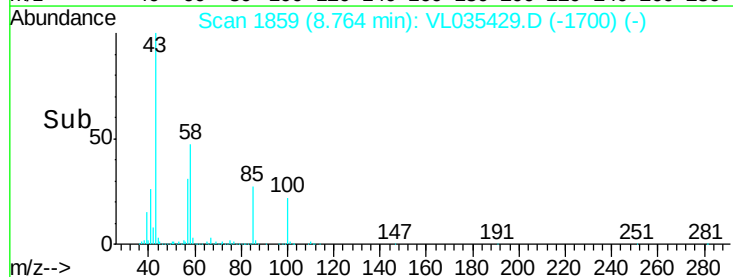
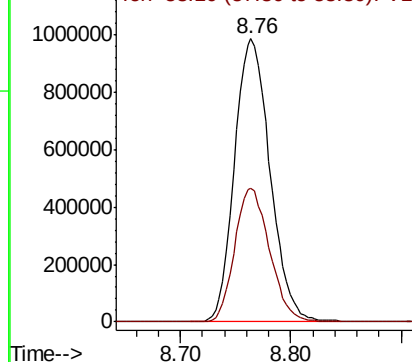
Ion Ratio Lower Upper

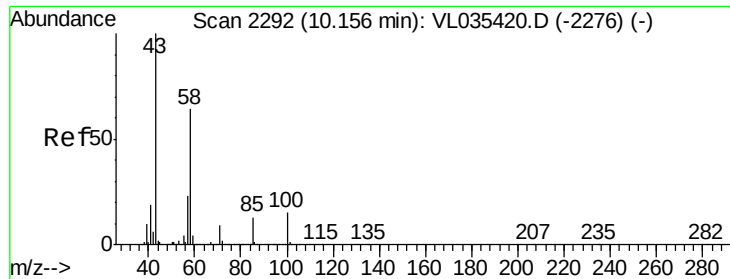
43 100

58 46.6 28.7 43.1#



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

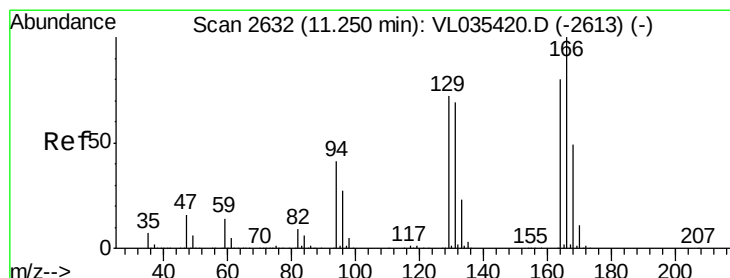
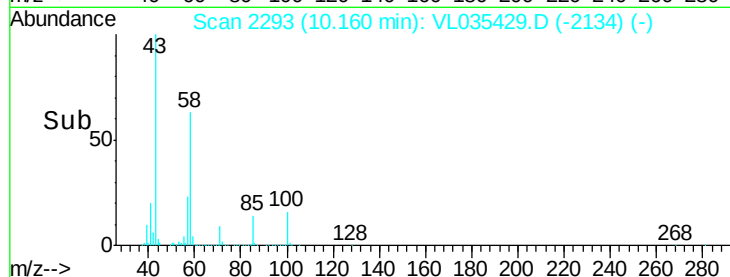
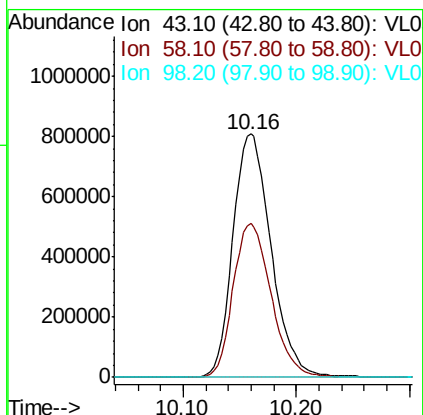
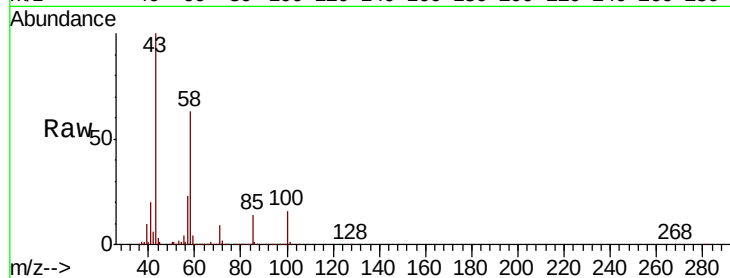




#51
2-Hexanone
Concen: 9.460 ppbv
RT: 10.16 min Scan# 2293
Delta R.T. 0.01 min
Lab File: VL035429.D
Acq: 17 Aug 2020 22:26

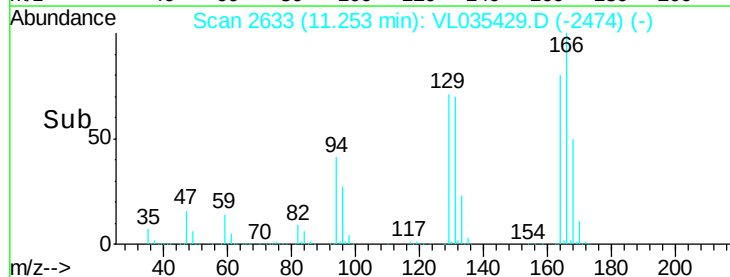
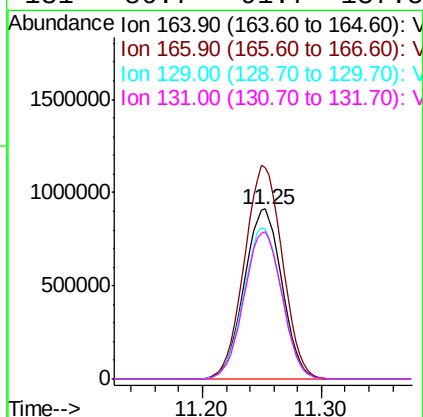
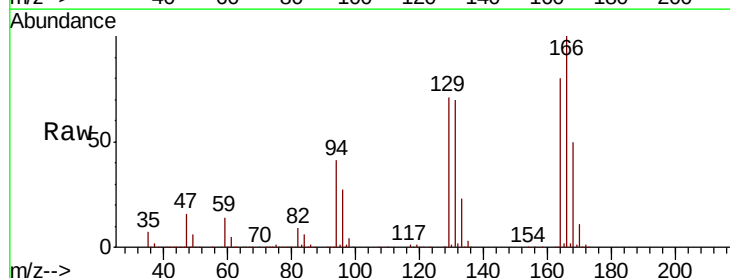
Instrument :
MSVOA_L
ClientSampleId :
VL0817ABS01

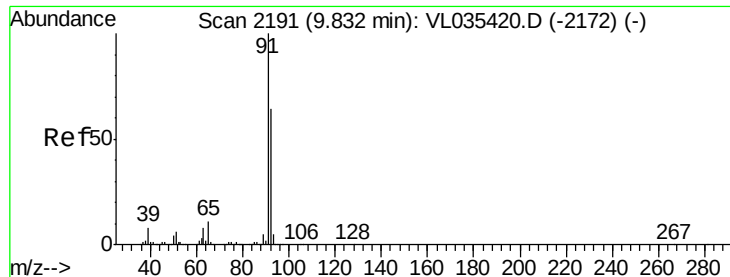
Tot Ion: 43 Resp: 1894499
Ion Ratio Lower Upper
43 100
58 63.4 38.6 58.0#
98 0.4 0.2 0.2#



#52
Tetrachloroethene
Concen: 9.036 ppbv
RT: 11.25 min Scan# 2633
Delta R.T. 0.01 min
Lab File: VL035429.D
Acq: 17 Aug 2020 22:26

Tgt Ion: 164 Resp: 2005212
Ion Ratio Lower Upper
164 100
166 124.6 103.4 155.0
129 88.3 90.2 135.4#
131 86.7 91.7 137.5#





#53

Toluene

Concen: 8.996 ppbv

RT: 9.83 min Scan# 2191

Delta R.T. 0.01 min

Lab File: VL035429.D

Acq: 17 Aug 2020 22:26

Instrument :

MSVOA_L

ClientSampleId :

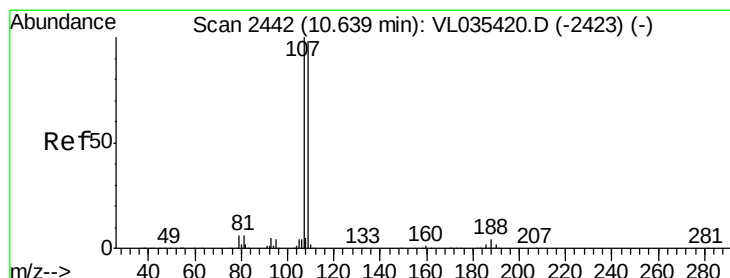
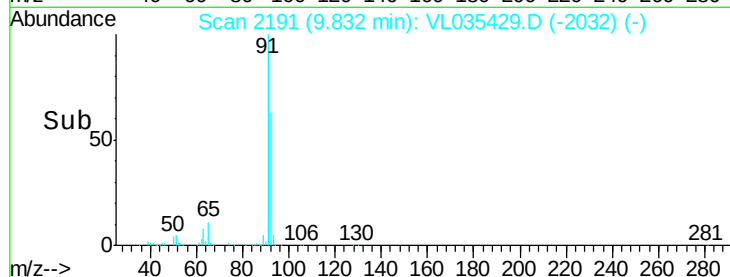
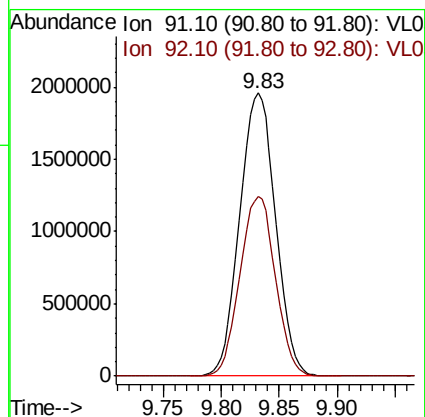
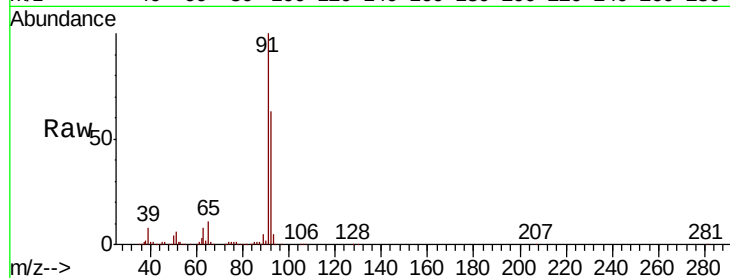
VL0817ABS01

Tot Ion: 91 Resp: 4215634

Ion Ratio Lower Upper

91 100

92 62.8 49.1 73.7



#54

1,2-Dibromoethane

Concen: 9.087 ppbv

RT: 10.64 min Scan# 2442

Delta R.T. 0.01 min

Lab File: VL035429.D

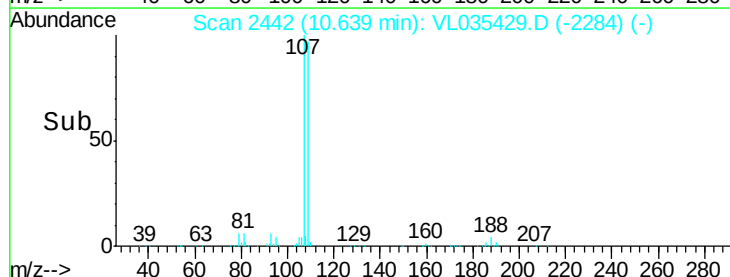
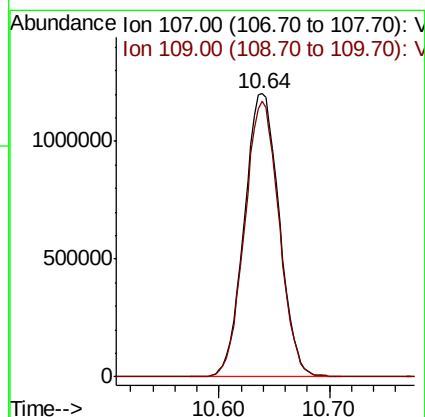
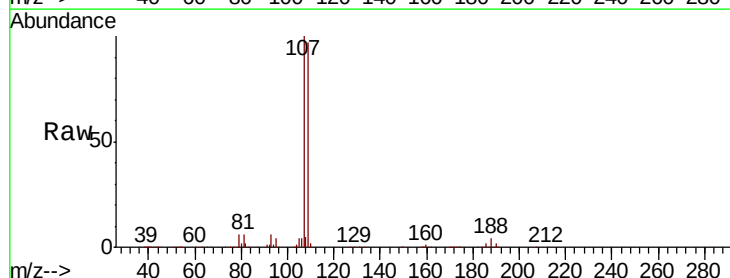
Acq: 17 Aug 2020 22:26

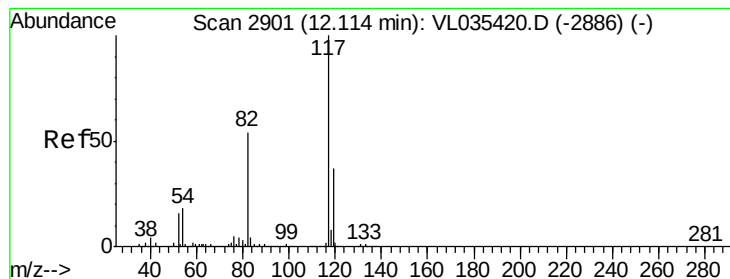
Tgt Ion: 107 Resp: 2643202

Ion Ratio Lower Upper

107 100

109 97.4 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: VL035429.D

Acq: 17 Aug 2020 22:26

Instrument :

MSVOA_L

ClientSampleId :

VL0817ABS01

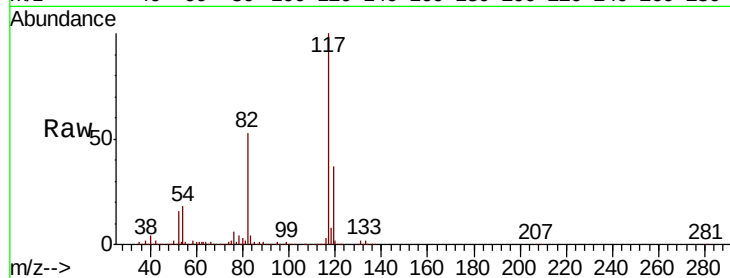
Tot Ion:117 Resp: 6403636

Ion Ratio Lower Upper

117 100

82 42.3 57.4 86.0#

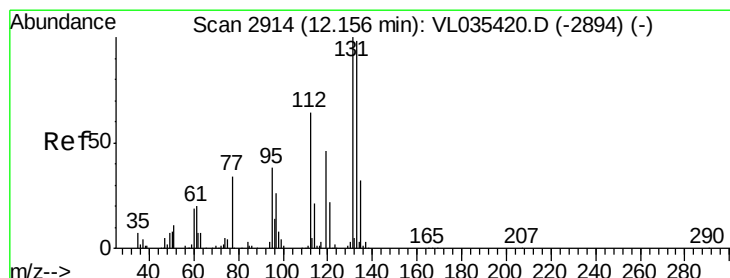
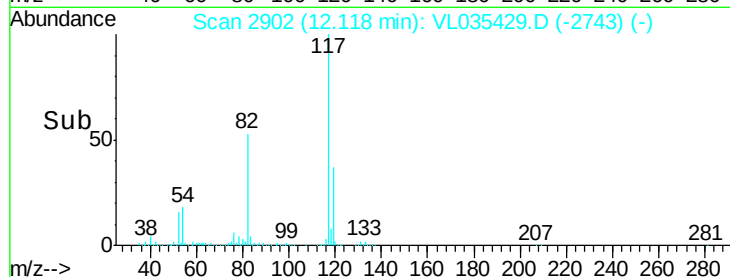
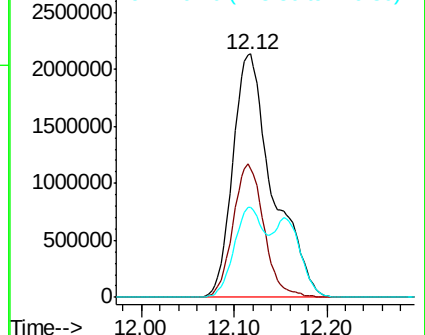
119 29.2 28.4 42.6



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 7.684 ppbv

RT: 12.16 min Scan# 2914

Delta R.T. 0.01 min

Lab File: VL035429.D

Acq: 17 Aug 2020 22:26

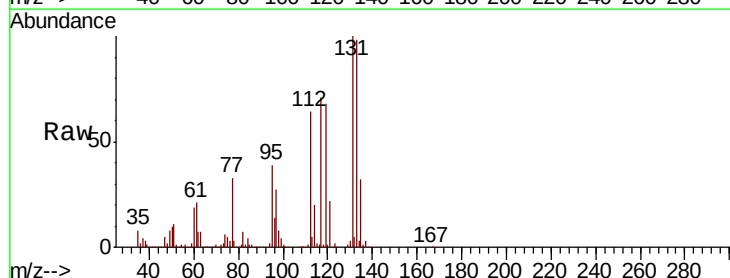
Tgt Ion:131 Resp: 2334104

Ion Ratio Lower Upper

131 100

133 96.2 76.1 114.1

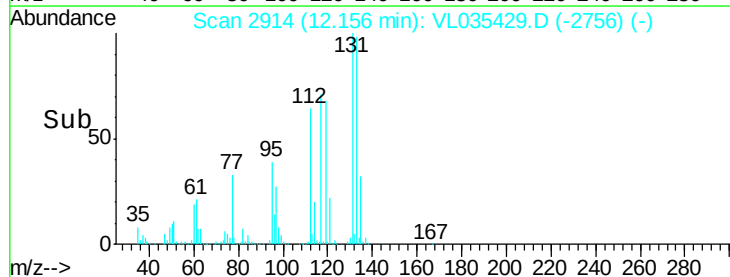
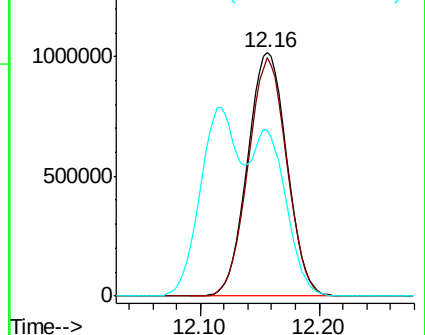
119 57.5 50.7 76.1

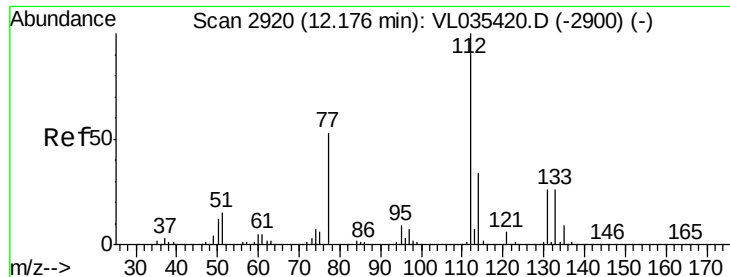


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 6.977 ppbv

RT: 12.18 min Scan# 2920

Delta R.T. 0.01 min

Lab File: VL035429.D

Acq: 17 Aug 2020 22:26

Instrument :

MSVOA_L

ClientSampleId :

VL0817ABS01

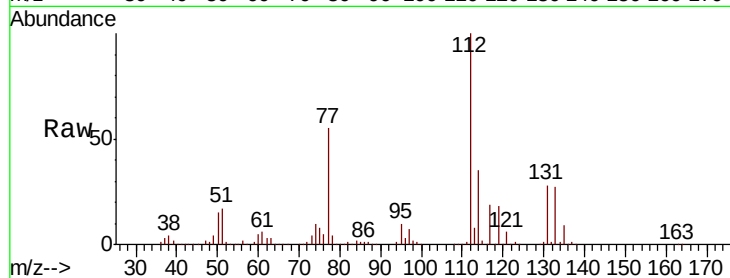
Tot Ion:112 Resp: 3729130

Ion Ratio Lower Upper

112 100

77 54.4 60.6 91.0#

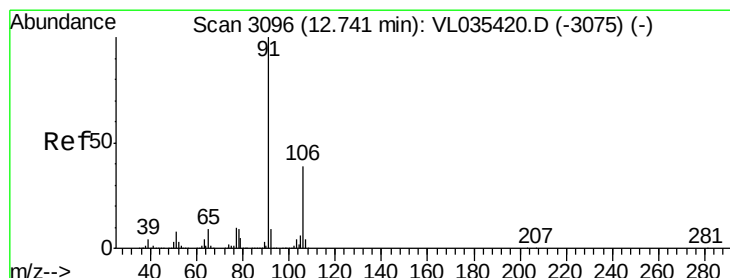
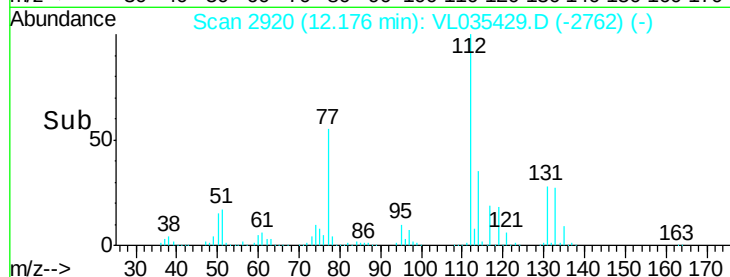
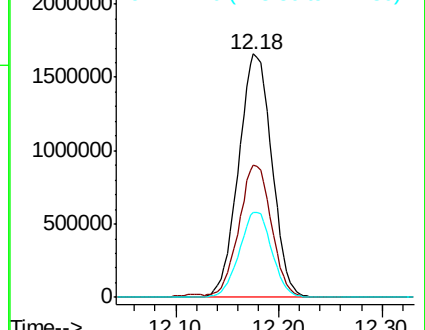
114 34.8 28.5 34.9



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: 7.181 ppbv

RT: 12.74 min Scan# 3096

Delta R.T. 0.01 min

Lab File: VL035429.D

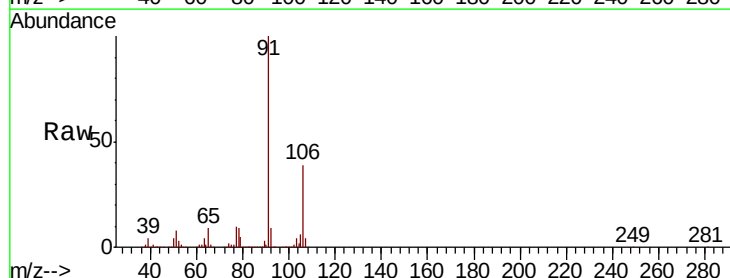
Acq: 17 Aug 2020 22:26

Tgt Ion: 91 Resp: 5550829

Ion Ratio Lower Upper

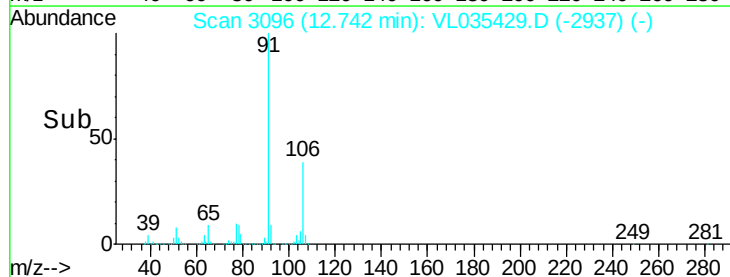
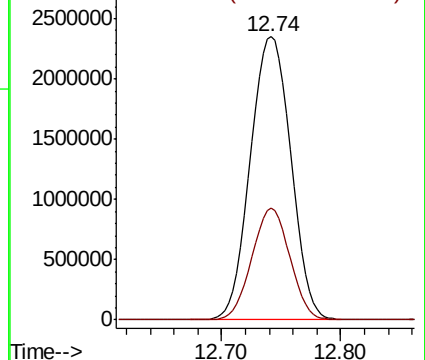
91 100

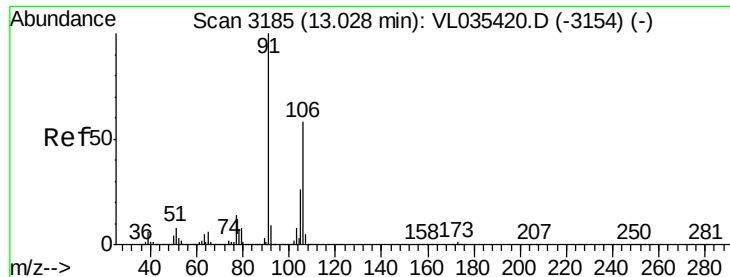
106 39.5 24.1 36.1#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 8.348 ppbv

RT: 13.03 min Scan# 3185

Delta R.T. 0.01 min

Lab File: VL035429.D

Acq: 17 Aug 2020 22:26

Instrument :

MSVOA_L

ClientSampleId :

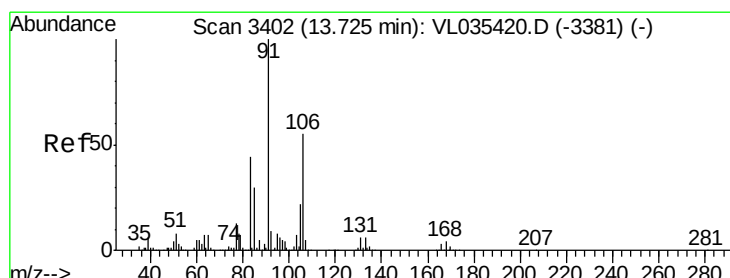
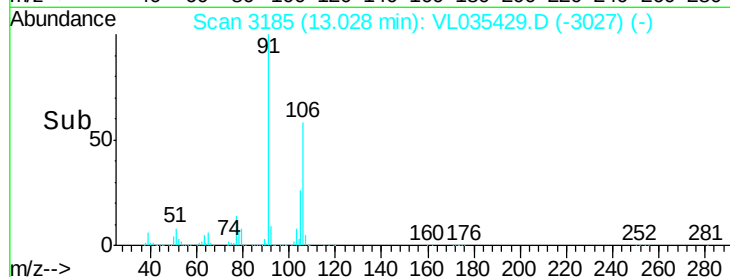
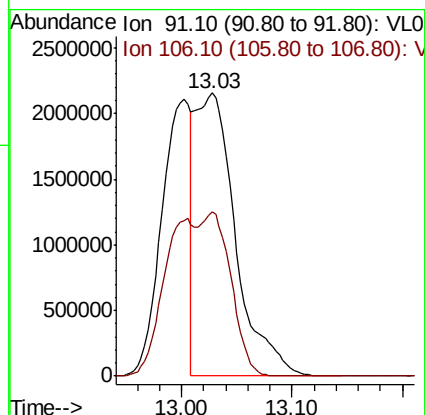
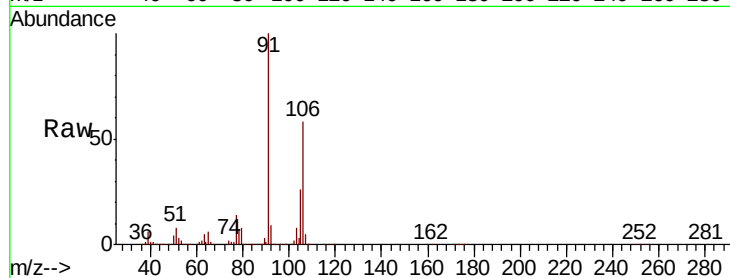
VL0817ABS01

Tot Ion: 91 Resp: 5455138

Ion Ratio Lower Upper

91 100

106 90.0 34.0 51.0#



#60

o-Xylene

Concen: 7.155 ppbv

RT: 13.73 min Scan# 3402

Delta R.T. 0.01 min

Lab File: VL035429.D

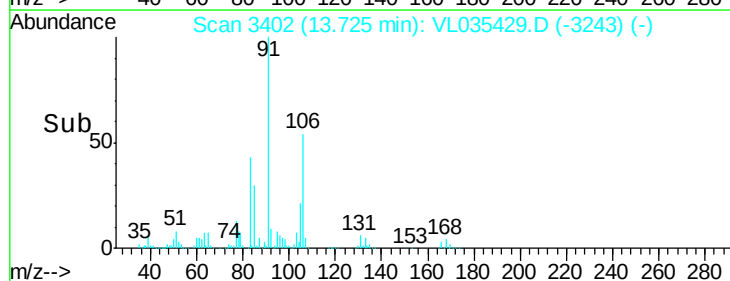
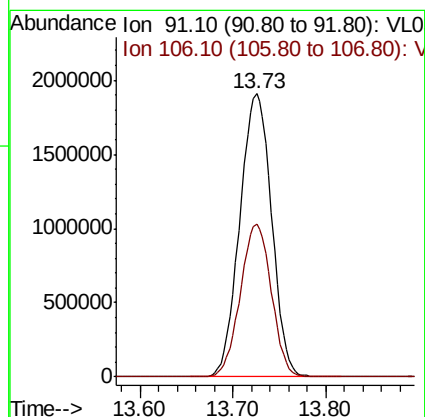
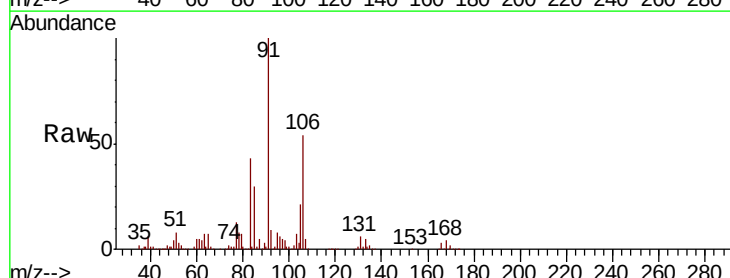
Acq: 17 Aug 2020 22:26

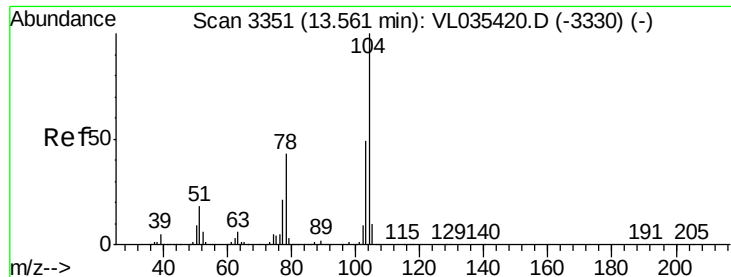
Tgt Ion: 91 Resp: 4544335

Ion Ratio Lower Upper

91 100

106 52.6 21.8 65.3





#61

Stvrene

Concen: 7.563 ppbv

RT: 13.56 min Scan# 3350

Delta R.T. 0.01 min

Lab File: VL035429.D

Acq: 17 Aug 2020 22:26

Instrument :

MSVOA_L

ClientSampleId :

VL0817ABS01

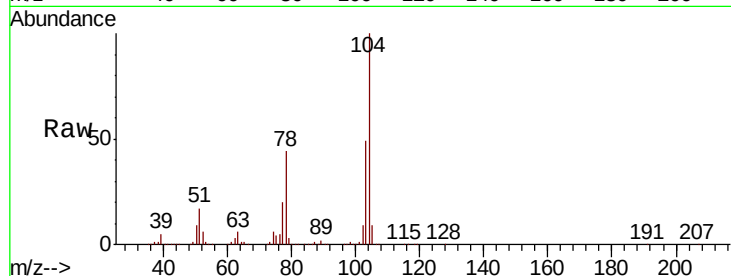
Tot Ion:104 Resp: 3881134

Ion Ratio Lower Upper

104 100

78 43.2 45.4 68.2#

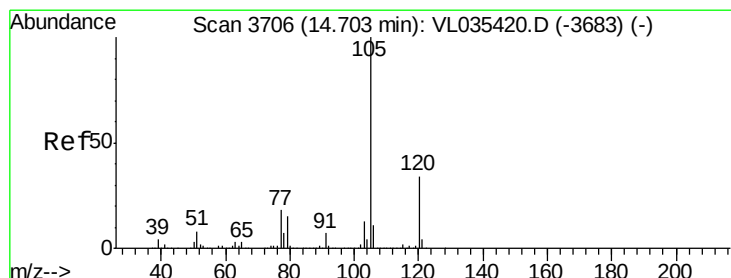
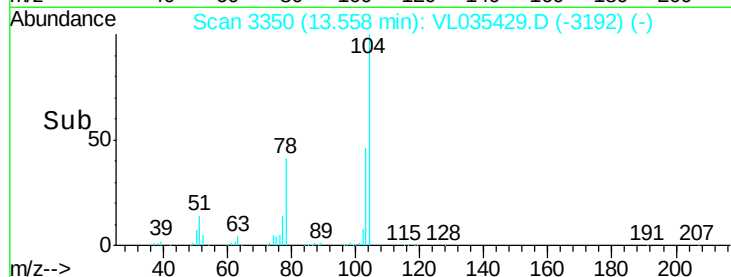
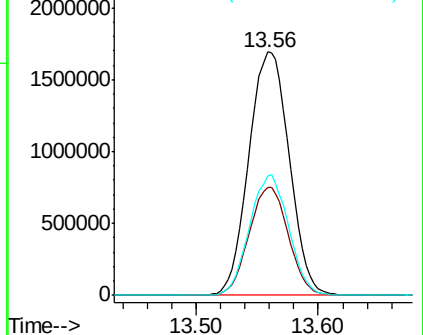
103 47.9 37.8 56.8



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: 6.879 ppbv

RT: 14.70 min Scan# 3706

Delta R.T. 0.01 min

Lab File: VL035429.D

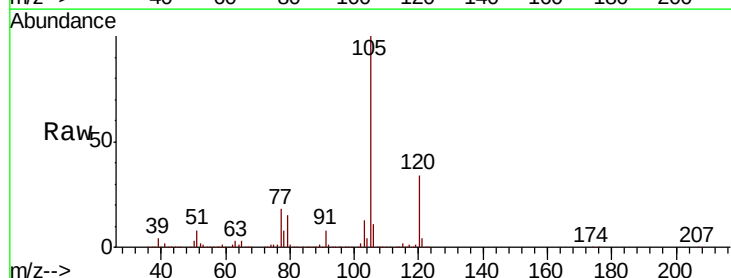
Acq: 17 Aug 2020 22:26

Tgt Ion:105 Resp: 7160024

Ion Ratio Lower Upper

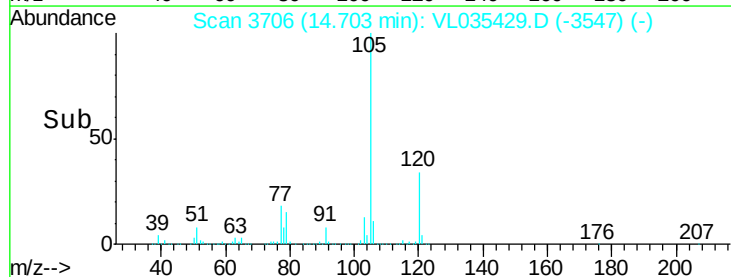
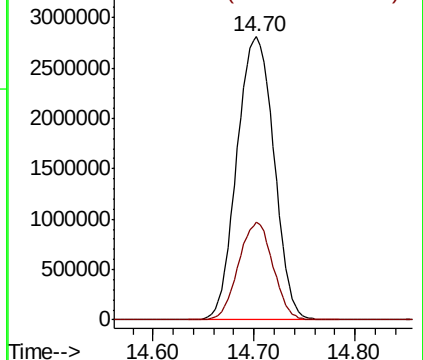
105 100

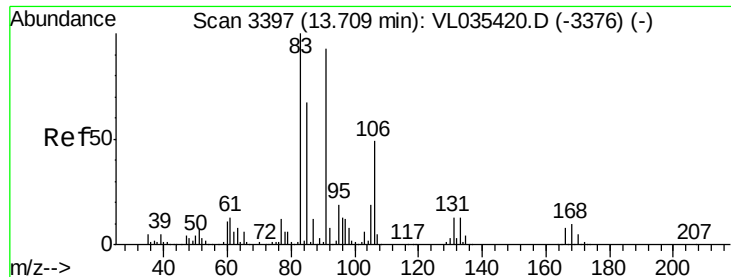
120 32.1 20.3 30.5#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#63

1,1,2,2-Tetrachloroethane

Concen: 6.929 ppbv

RT: 13.71 min Scan# 3397

Delta R.T. 0.01 min

Lab File: VL035429.D

Acq: 17 Aug 2020 22:26

Instrument :

MSVOA_L

ClientSampleId :

VL0817ABS01

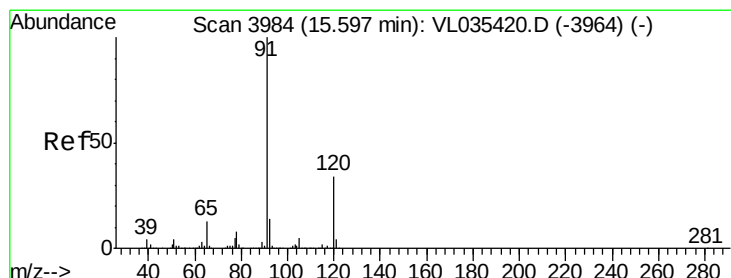
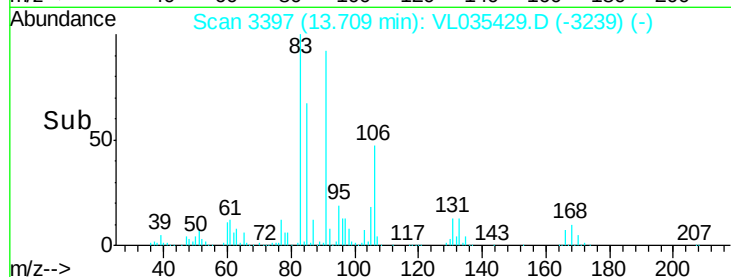
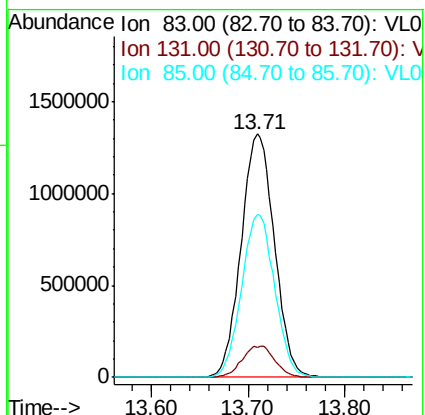
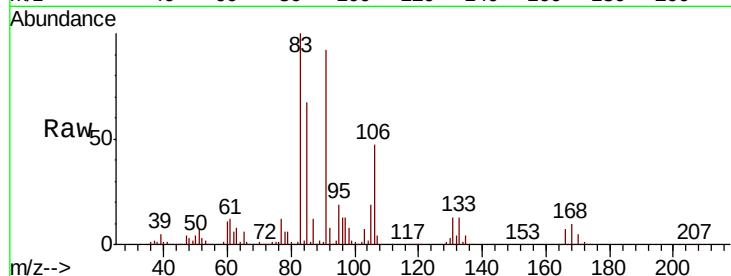
Tot Ion: 83 Resp: 3161268

Ion Ratio Lower Upper

83 100

131 12.8 4.5 13.4

85 66.6 32.7 98.1



#64

n-propylbenzene

Concen: 7.471 ppbv

RT: 15.60 min Scan# 3984

Delta R.T. 0.01 min

Lab File: VL035429.D

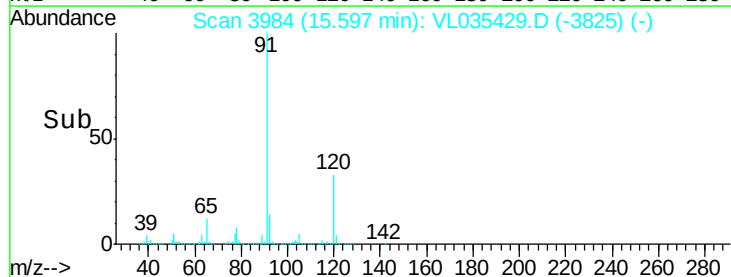
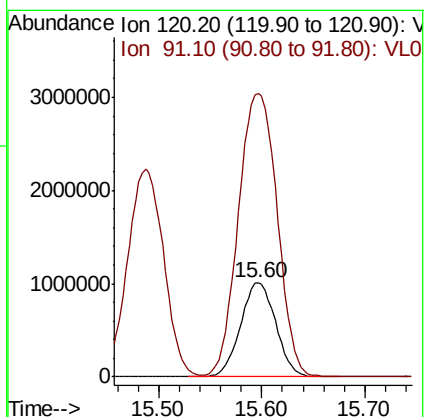
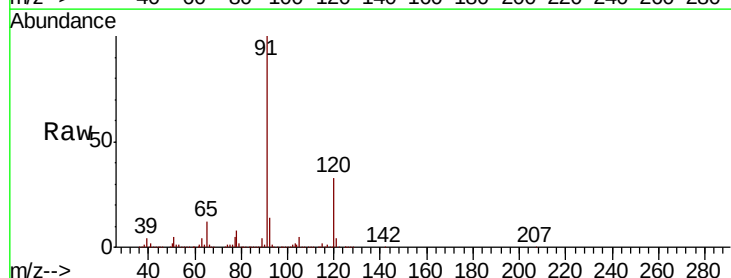
Acq: 17 Aug 2020 22:26

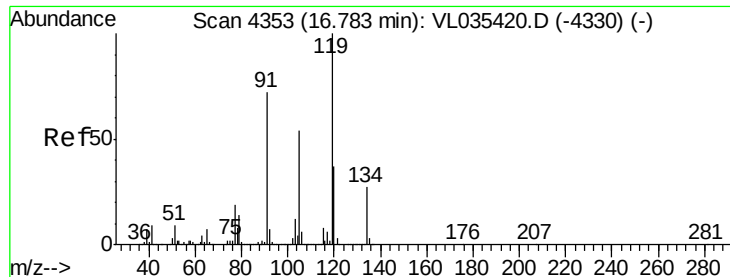
Tgt Ion: 120 Resp: 2397085

Ion Ratio Lower Upper

120 100

91 332.5 385.5 578.3#





#65

tert-Butylbenzene

Concen: 6.916 ppbv

RT: 16.78 min Scan# 4353

Delta R.T. 0.01 min

Lab File: VL035429.D

Acq: 17 Aug 2020 22:26

Instrument :

MSVOA_L

ClientSampleId :

VL0817ABS01

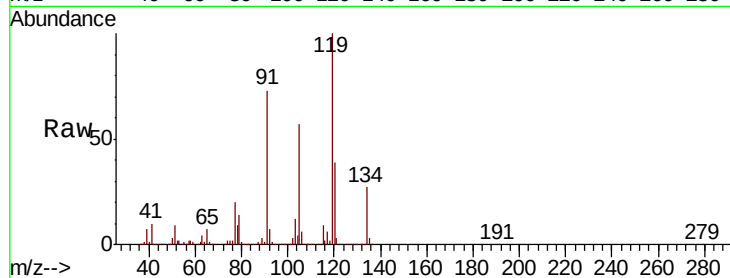
Tot Ion:119 Resp: 6995869

Ion Ratio Lower Upper

119 100

91 71.3 72.0 108.0#

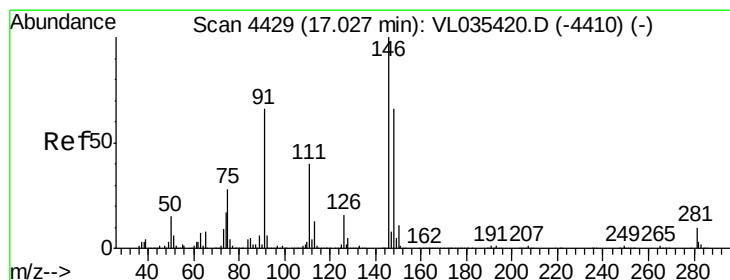
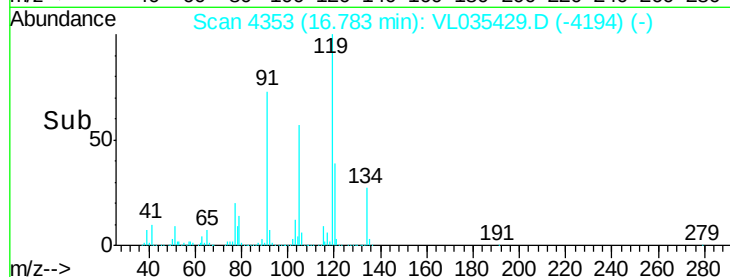
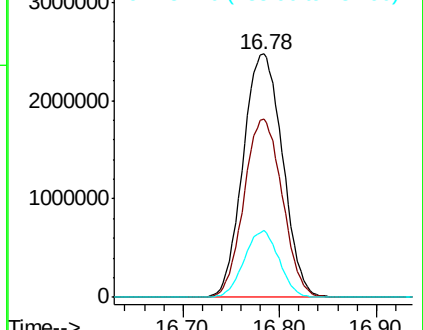
134 24.3 15.7 23.5#



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: 9.690 ppbv

RT: 17.03 min Scan# 4429

Delta R.T. 0.01 min

Lab File: VL035429.D

Acq: 17 Aug 2020 22:26

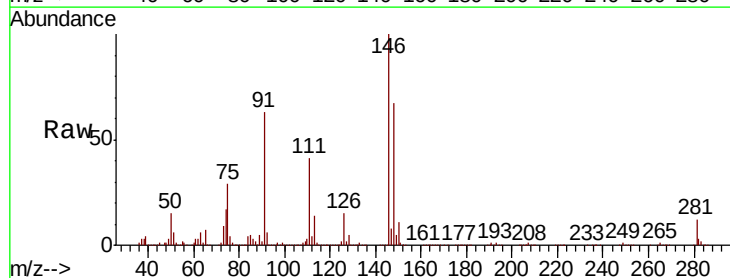
Tgt Ion: 91 Resp: 2357666

Ion Ratio Lower Upper

91 100

126 22.5 13.3 19.9#

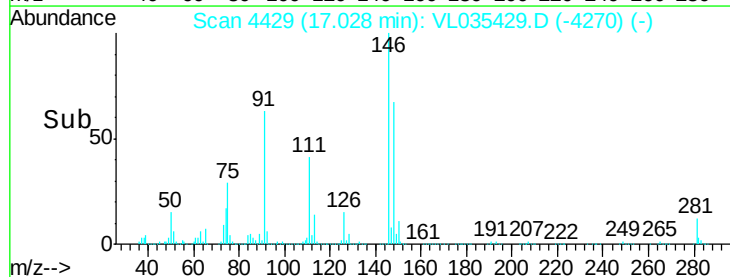
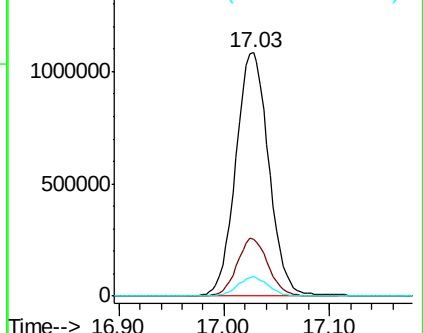
128 7.4 4.1 6.1#

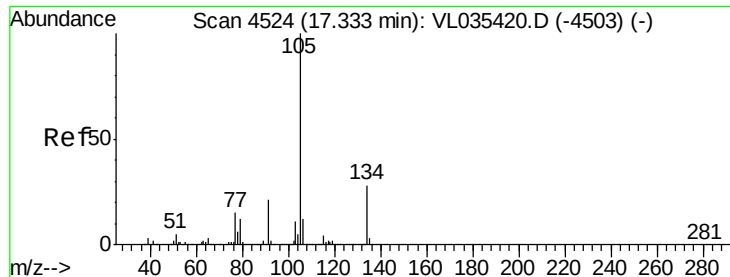


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 6.660 ppbv

RT: 17.33 min Scan# 4524

Delta R.T. 0.01 min

Lab File: VL035429.D

Acq: 17 Aug 2020 22:26

Instrument :

MSVOA_L

ClientSampleId :

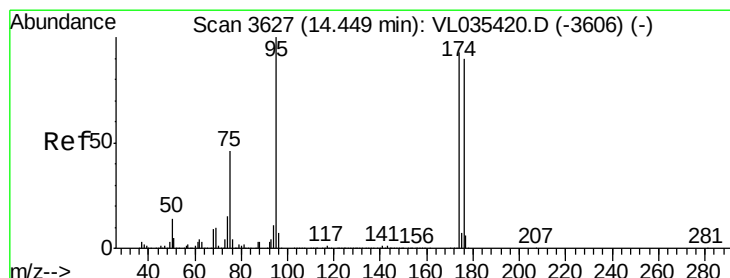
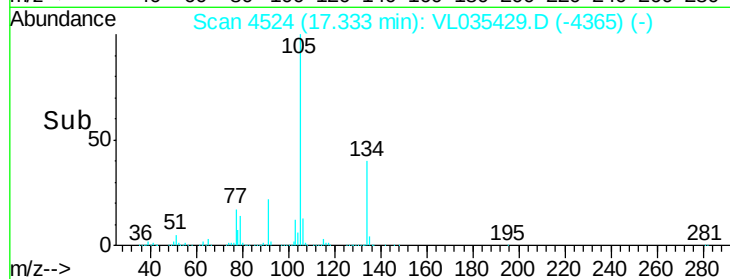
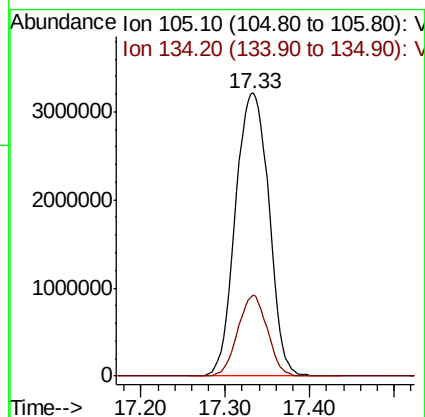
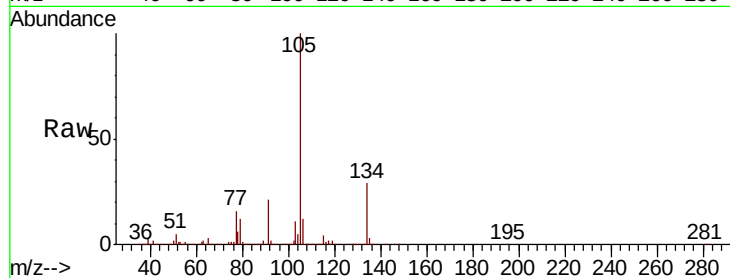
VL0817ABS01

Tot Ion:105 Resp: 8865824

Ion Ratio Lower Upper

105 100

134 25.3 14.1 21.1#



#68

1-Bromo-4-Fluorobenzene

Concen: 8.102 ppbv

RT: 14.45 min Scan# 3627

Delta R.T. 0.01 min

Lab File: VL035429.D

Acq: 17 Aug 2020 22:26

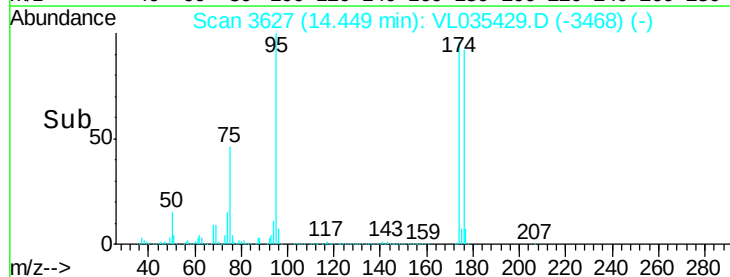
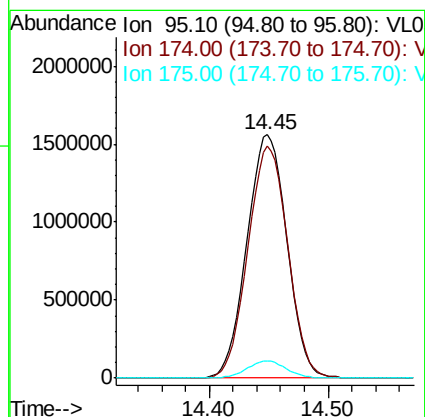
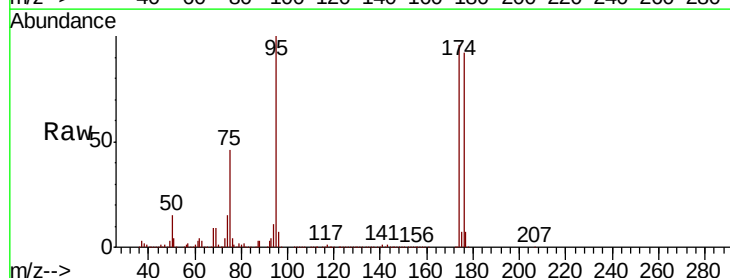
Tgt Ion: 95 Resp: 3632408

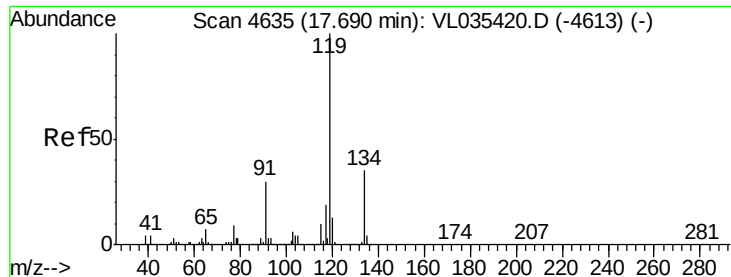
Ion Ratio Lower Upper

95 100

174 95.4 44.0 66.0#

175 7.0 3.2 4.8#

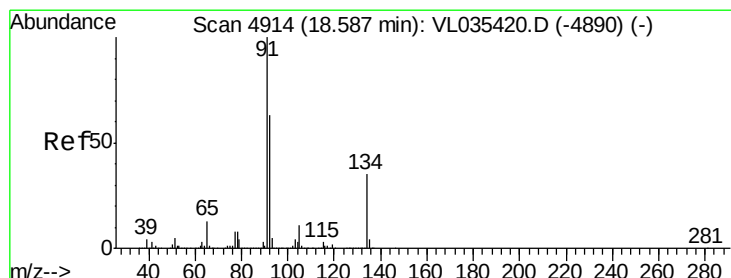
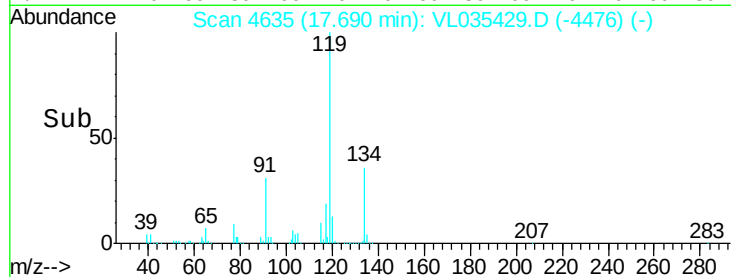
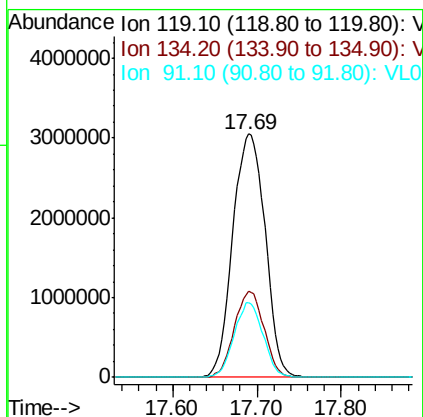
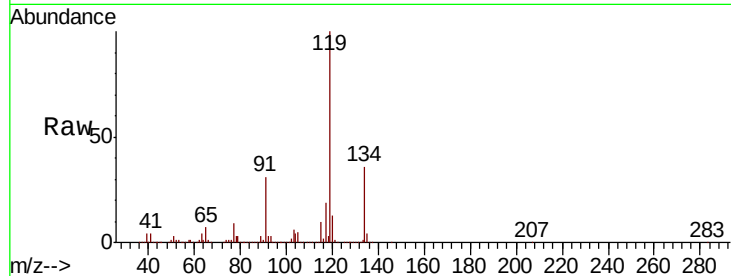




#69
 p-Isopropyltoluene
 Concen: 6.903 ppbv
 RT: 17.69 min Scan# 4635
 Delta R.T. 0.01 min
 Lab File: VL035429.D
 Acq: 17 Aug 2020 22:26

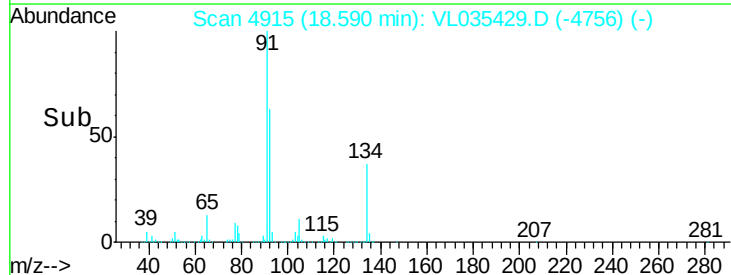
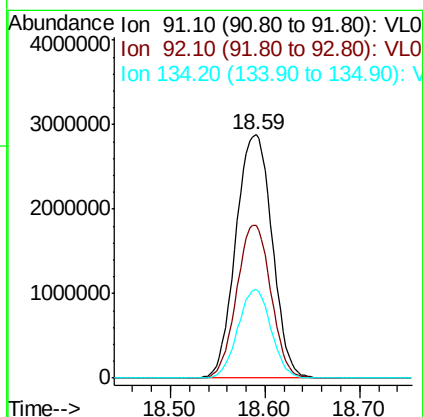
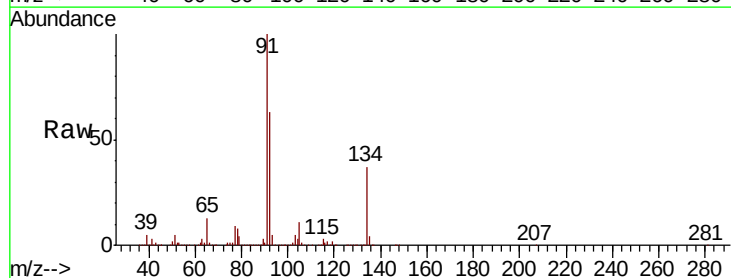
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0817ABS01

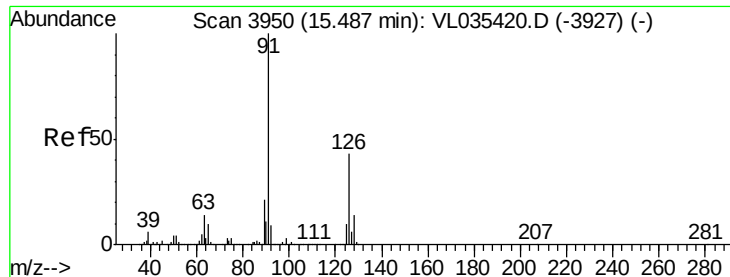
Tot Ion:119 Resp: 8154047
 Ion Ratio Lower Upper
 119 100
 134 32.4 20.6 30.8#
 91 27.5 26.6 39.8



#70
 n-Butylbenzene
 Concen: 6.883 ppbv
 RT: 18.59 min Scan# 4915
 Delta R.T. 0.01 min
 Lab File: VL035429.D
 Acq: 17 Aug 2020 22:26

Tgt Ion: 91 Resp: 7679240
 Ion Ratio Lower Upper
 91 100
 92 59.5 44.8 67.2
 134 33.3 17.3 25.9#





#71

2-Chlorotoluene

Concen: 7.193 ppbv

RT: 15.49 min Scan# 3950

Delta R.T. 0.01 min

Lab File: VL035429.D

Acq: 17 Aug 2020 22:26

Instrument :

MSVOA_L

ClientSampleId :

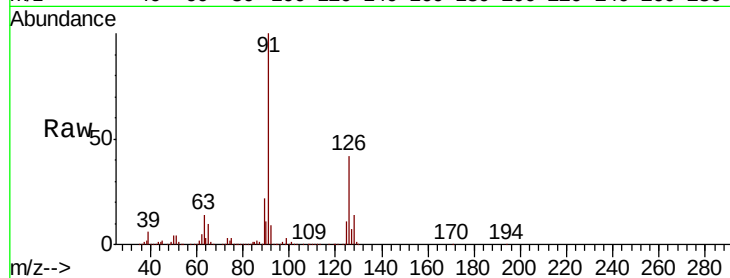
VL0817ABS01

Tot Ion: 91 Resp: 5432834

Ion Ratio Lower Upper

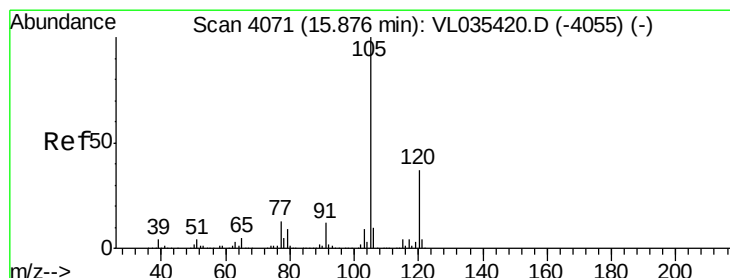
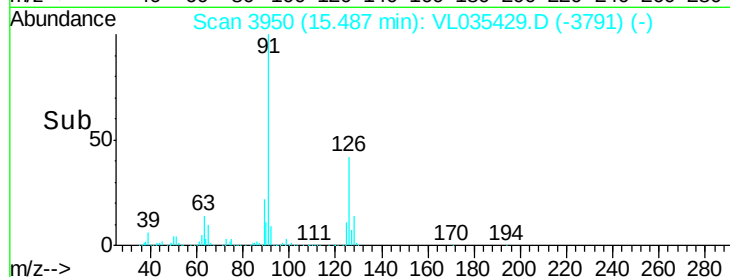
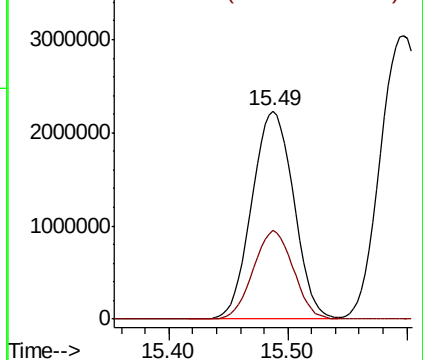
91 100

126 40.7 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: 7.244 ppbv

RT: 15.88 min Scan# 4071

Delta R.T. 0.01 min

Lab File: VL035429.D

Acq: 17 Aug 2020 22:26

Tgt Ion:105 Resp: 6037374

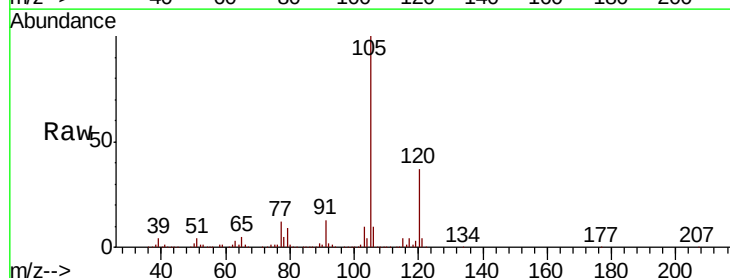
Ion Ratio Lower Upper

105 100

120 35.4 22.7 34.1#

91 12.0 10.8 16.2

77 11.8 11.9 17.9#

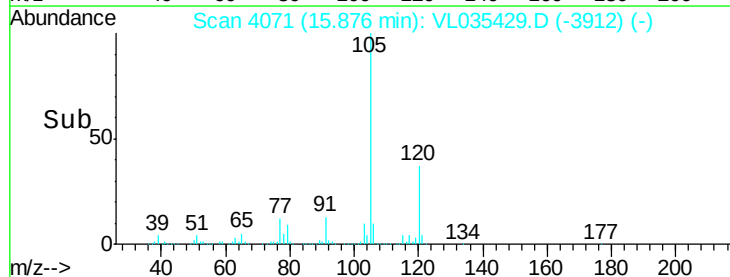
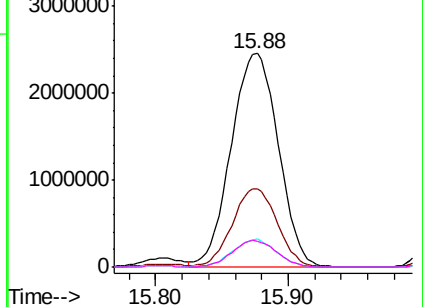


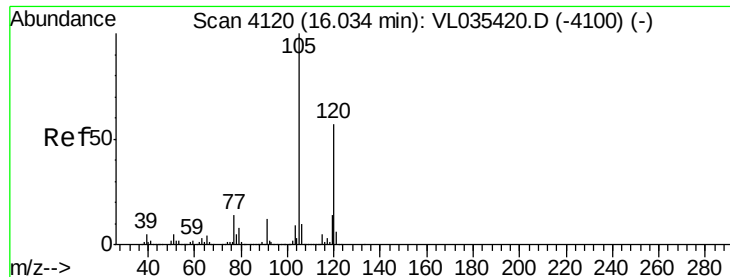
Abundance Ion 105.10 (104.80 to 105.80): V

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: 7.294 ppbv

RT: 16.03 min Scan# 4120

Delta R.T. 0.01 min

Lab File: VL035429.D

Acq: 17 Aug 2020 22:26

Instrument :

MSVOA_L

ClientSampleId :

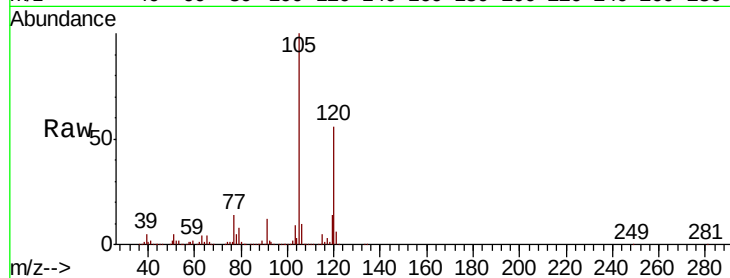
VL0817ABS01

Tot Ion:105 Resp: 5656578

Ion Ratio Lower Upper

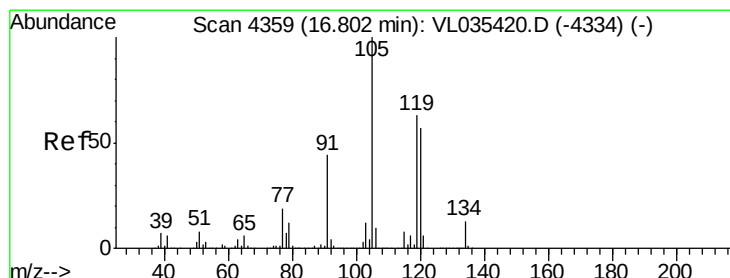
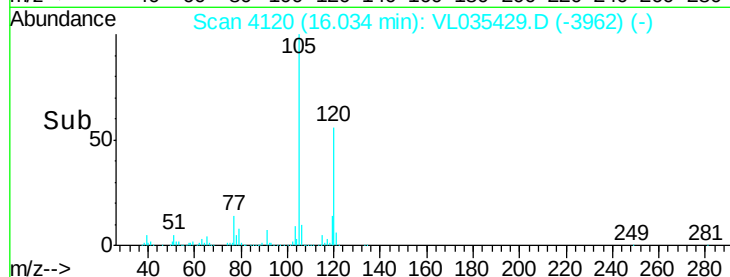
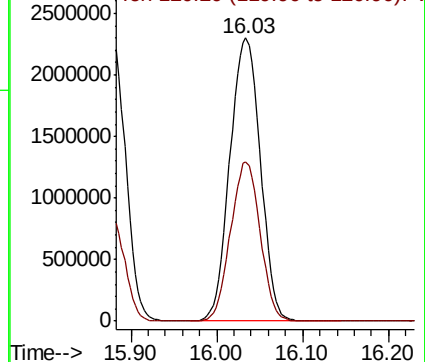
105 100

120 56.3 35.6 53.4#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 6.921 ppbv

RT: 16.80 min Scan# 4358

Delta R.T. 0.01 min

Lab File: VL035429.D

Acq: 17 Aug 2020 22:26

Tgt Ion:105 Resp: 5831828

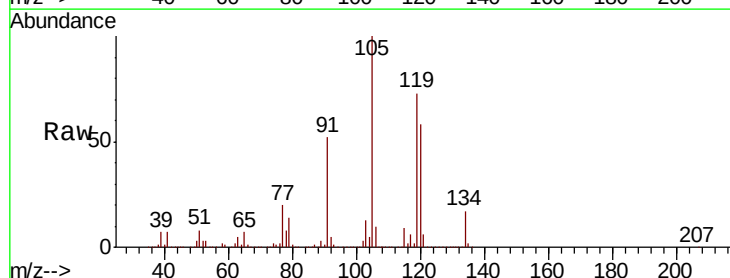
Ion Ratio Lower Upper

105 100

120 58.1 37.8 56.8#

91 51.9 40.0 60.0

77 20.2 18.8 28.2

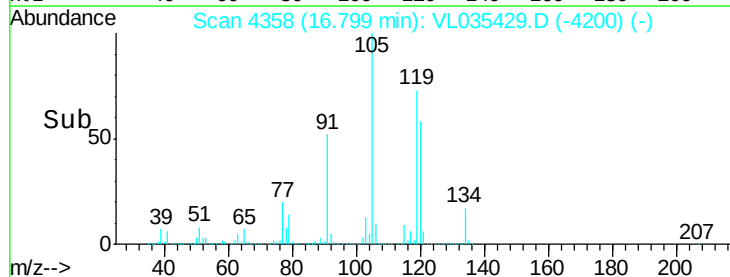
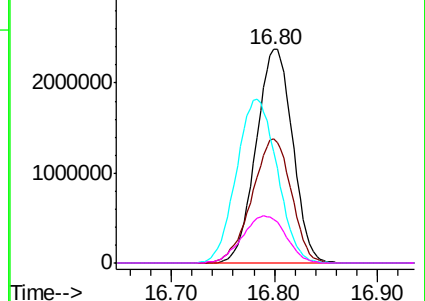


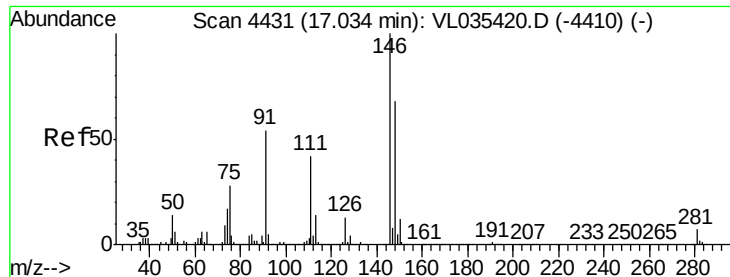
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#75

1,3-Dichlorobenzene

Concen: 7.005 ppbv

RT: 17.03 min Scan# 4431

Delta R.T. 0.01 min

Lab File: VL035429.D

Acq: 17 Aug 2020 22:26

Instrument :

MSVOA_L

ClientSampleId :

VL0817ABS01

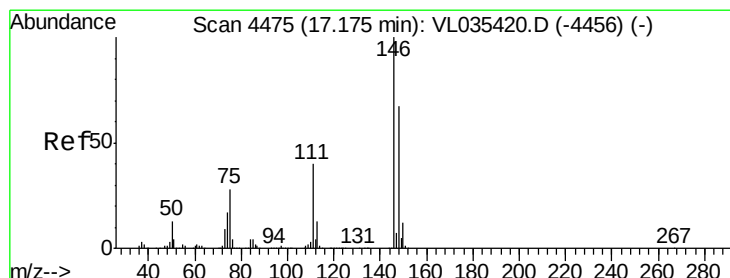
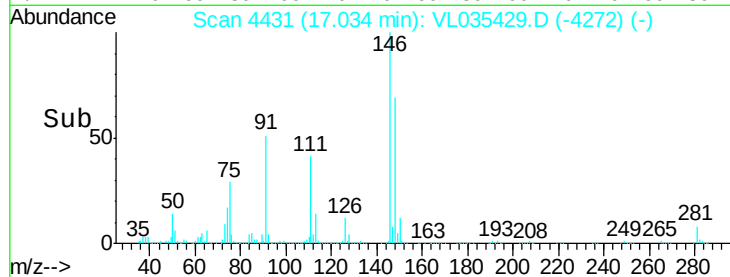
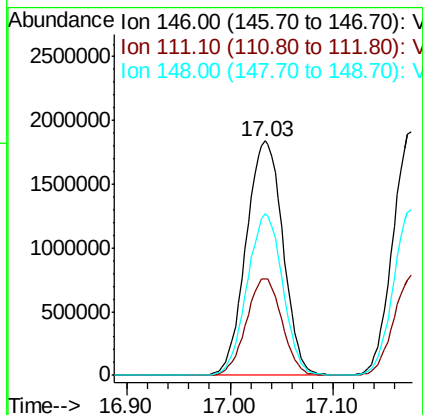
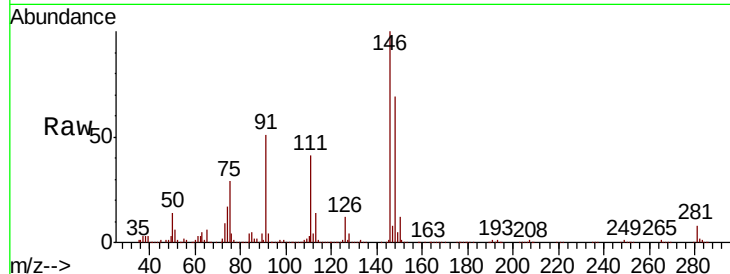
Tot Ion:146 Resp: 4558742

Ion Ratio Lower Upper

146 100

111 39.8 25.6 76.8

148 66.7 32.3 96.9



#76

1,4-Dichlorobenzene

Concen: 7.235 ppbv

RT: 17.18 min Scan# 4475

Delta R.T. 0.01 min

Lab File: VL035429.D

Acq: 17 Aug 2020 22:26

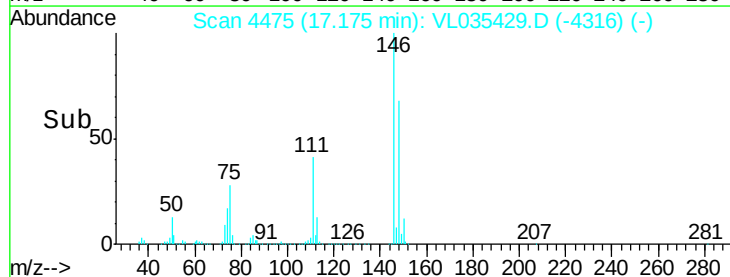
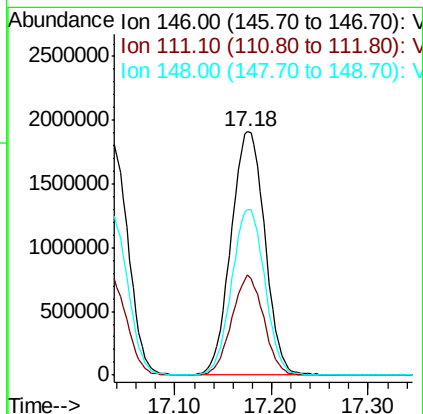
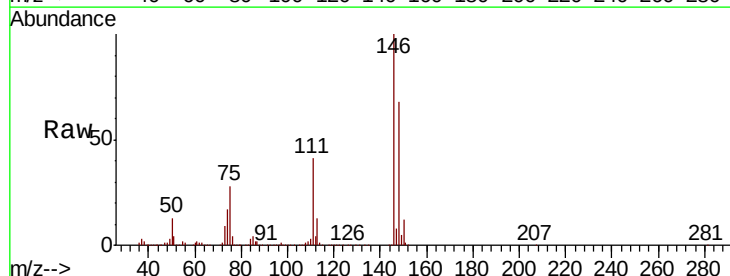
Tgt Ion:146 Resp: 4640257

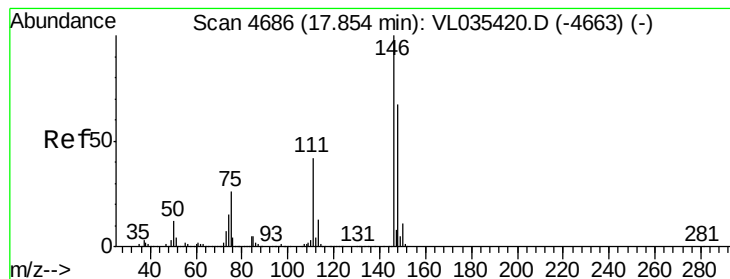
Ion Ratio Lower Upper

146 100

111 38.7 24.8 74.4

148 67.0 32.1 96.3





#77

1,2-Dichlorobenzene

Concen: 7.143 ppbv

RT: 17.85 min Scan# 4686

Delta R.T. 0.01 min

Lab File: VL035429.D

Acq: 17 Aug 2020 22:26

Instrument :

MSVOA_L

ClientSampleId :

VL0817ABS01

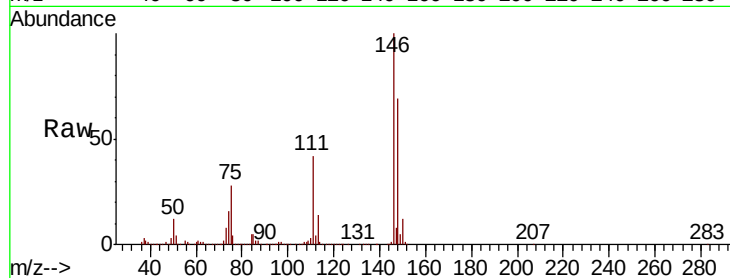
Tot Ion:146 Resp: 4553738

Ion Ratio Lower Upper

146 100

111 40.9 26.3 78.9

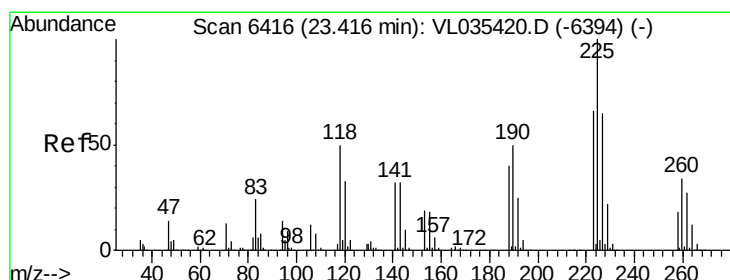
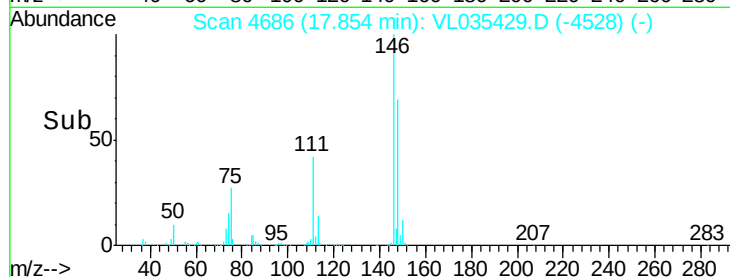
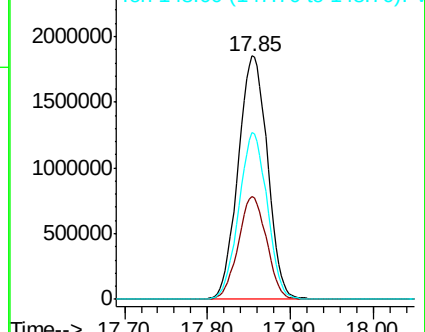
148 66.4 32.0 96.0



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: 6.978 ppbv

RT: 23.42 min Scan# 6417

Delta R.T. 0.01 min

Lab File: VL035429.D

Acq: 17 Aug 2020 22:26

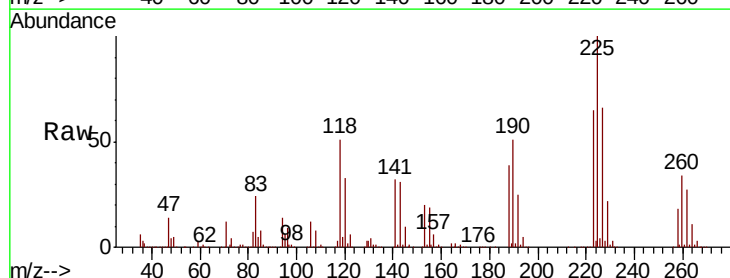
Tgt Ion:225 Resp: 3517093

Ion Ratio Lower Upper

225 100

223 64.6 50.3 75.5

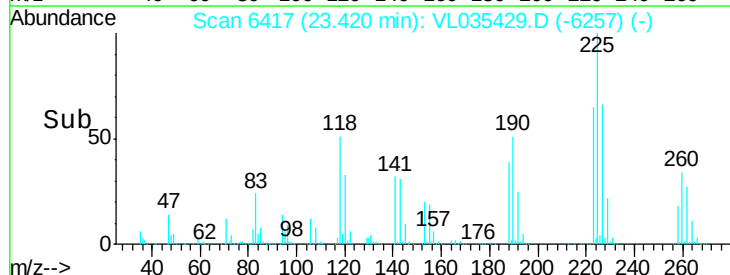
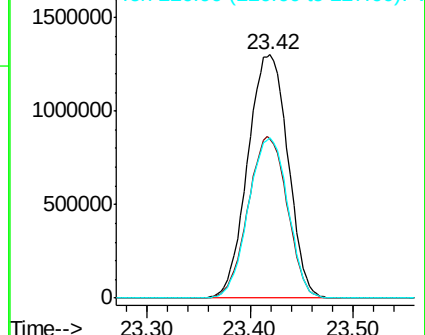
227 64.7 51.0 76.6

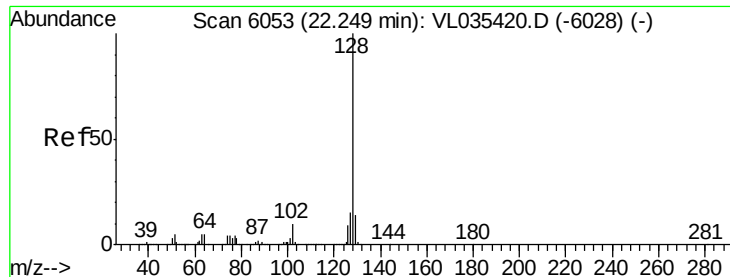


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 7.069 ppbv

RT: 22.25 min Scan# 6053

Delta R.T. 0.01 min

Lab File: VL035429.D

Acq: 17 Aug 2020 22:26

Instrument :

MSVOA_L

ClientSampleId :

VL0817ABS01

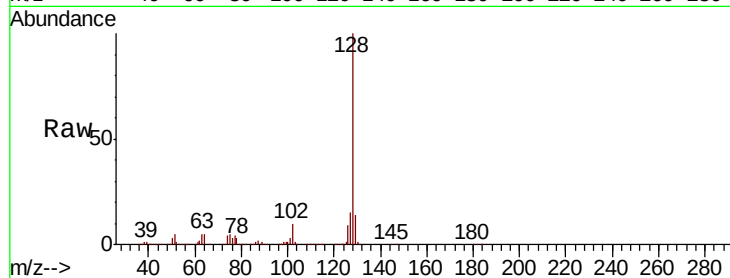
Tot Ion:128 Resp: 8388271

Ion Ratio Lower Upper

128 100

127 15.0 11.4 17.0

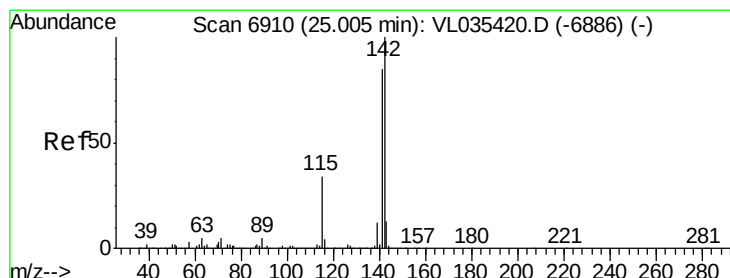
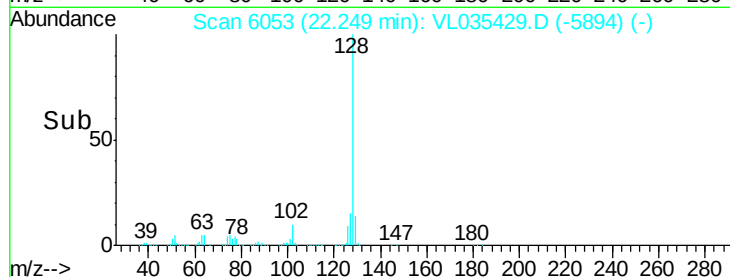
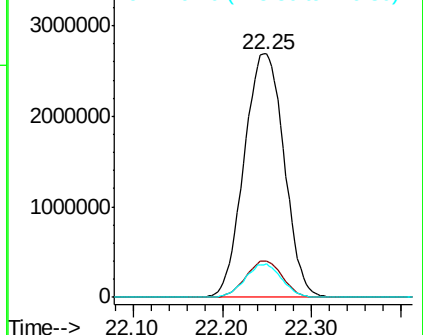
129 13.7 9.5 14.3



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: 8.070 ppbv

RT: 25.00 min Scan# 6910

Delta R.T. 0.01 min

Lab File: VL035429.D

Acq: 17 Aug 2020 22:26

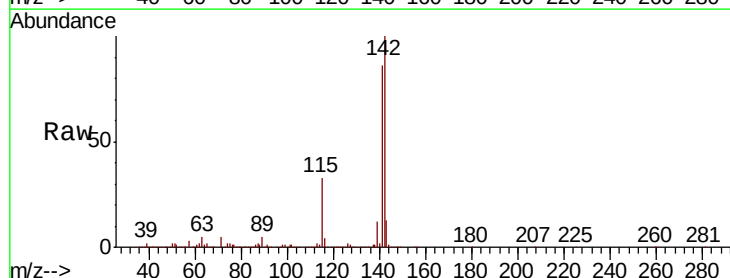
Tgt Ion:142 Resp: 3957310

Ion Ratio Lower Upper

142 100

141 84.4 67.1 100.7

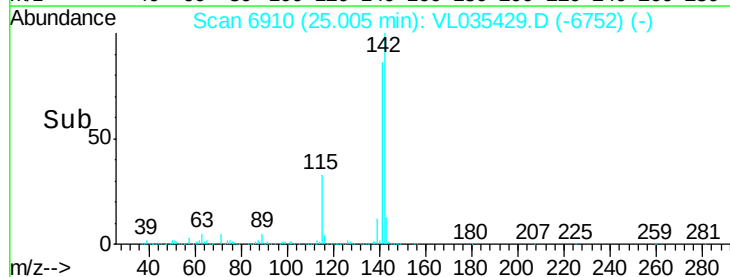
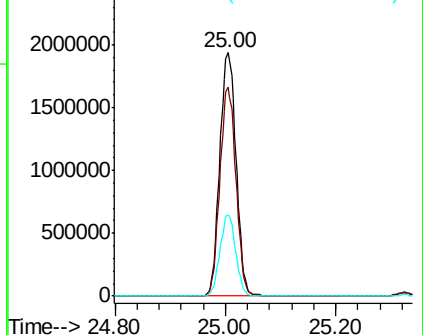
115 32.1 36.1 54.1#

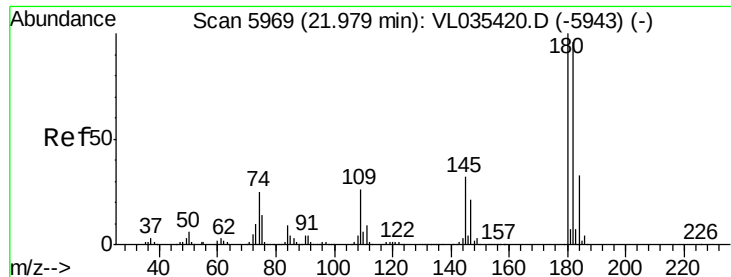


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81

1,2,4-Trichlorobenzene

Concen: 7.222 ppbv

RT: 21.98 min Scan# 5968

Delta R.T. 0.01 min

Lab File: VL035429.D

Acq: 17 Aug 2020 22:26

Instrument :

MSVOA_L

ClientSampleId :

VL0817ABS01

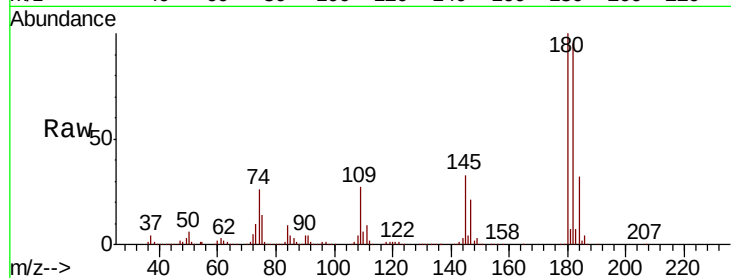
Tot Ion:180 Resp: 5166290

Ion Ratio Lower Upper

180 100

182 95.7 76.6 115.0

184 32.1 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

