

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051920\
 Data File : VL035044.D
 Acq On : 19 May 2020 14:22
 Operator : SY/AP
 Sample : VL0519ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: May 20 04:43:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed May 06 14:49:39 2020
 QLast Update : Wed May 06 14:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1177877	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.17	114	2716360	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.10	117	2743005	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.44	95	2232900	10.06	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.60%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.00	85	1206683	7.218	ppbv 95
3) Chlorodifluoromethane	2.94	51	1206571	8.972	ppbv 99
4) Chloromethane	3.09	50	692587	8.987	ppbv 97
5) Vinyl Chloride	3.21	62	682416	9.077	ppbv 97
6) Bromomethane	3.43	94	413451	9.210	ppbv 98
7) Chloroethane	3.51	64	251597	9.318	ppbv 92
8) Dichlorotetrafluoroethane	3.14	85	1533892	8.866	ppbv 99
9) Propene	2.96	41	509015	8.723	ppbv 98
10) Heptane	8.12	43	1420006	9.713	ppbv 99
11) Trichlorofluoromethane	3.91	101	1584484	9.192	ppbv 100
12) 1,1,2-Trichlorotrifluoroet	4.45	101	1105723	9.009	ppbv 100
13) Ethanol	3.56	45	159974	8.308	ppbv 96
14) Bromoethene	3.70	108	485869	9.579	ppbv 98
15) Acetone	3.81	43	1262653	8.108	ppbv 100
16) 1,3-Butadiene	3.28	39	618290	9.226	ppbv 99
17) tert-Butyl alcohol	4.26	59	1288877	9.303	ppbv 99
18) 1,1-Dichloroethene	4.25	96	519664	9.759	ppbv 97
19) Isopropyl Alcohol	3.93	45	940148	9.053	ppbv 100
20) Methylene Chloride	4.31	84	450614	8.742	ppbv 94
21) Allyl Chloride	4.38	41	876131	9.961	ppbv 99
22) trans-1,2-Dichloroethene	4.85	96	504697	9.568	ppbv 100
23) Vinyl Acetate	5.05	43	1889828	9.571	ppbv 99
24) 1,1-Dichloroethane	4.98	63	1384832	9.105	ppbv 98
25) Ethyl Acetate	5.65	43	2422122	9.260	ppbv 100
26) Hexane	5.66	57	1082122	9.543	ppbv 99
27) Carbon Disulfide	4.51	76	1305453	9.767	ppbv 99
28) Methyl tert-Butyl Ether	5.00	73	1599391	9.261	ppbv 100
29) Chloroform	5.74	83	1692930	9.124	ppbv 99
30) Cyclohexane	7.12	84	896440	10.244	ppbv 99
31) cis-1,2-Dichloroethene	5.53	61	1095832	9.904	ppbv 95
32) 1,1,1-Trichloroethane	6.49	97	1594105	9.514	ppbv 99
34) 2-Butanone	5.22	43	1589899	9.417	ppbv 99
35) Carbon Tetrachloride	7.01	117	1638338	9.556	ppbv 97
36) Benzene	6.88	78	2163121	9.659	ppbv 97
37) 1,2-Dichloroethane	6.29	62	1308025	9.468	ppbv 99
38) Trichloroethene	7.83	130	809958	9.336	ppbv 95
39) 1,2-Dichloropropane	7.61	63	845701	9.420	ppbv 98
40) 1,4-Dioxane	7.83	88	356241	9.762	ppbv 93
41) Tetrahydrofuran	6.02	42	889524	10.008	ppbv 99
42) Bromodichloromethane	7.79	83	1776481	9.535	ppbv 97
43) Methyl Methacrylate	8.01	69	990794	10.477	ppbv 97

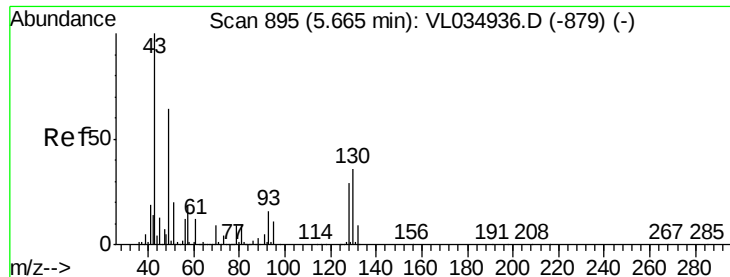
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051920\
 Data File : VL035044.D
 Acq On : 19 May 2020 14:22
 Operator : SY/AP
 Sample : VL0519ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
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Quant Time: May 20 04:43:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed May 06 14:49:39 2020
 QLast Update : Wed May 06 14:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	3728457	9.364	ppbv	100
45) t-1,3-Dichloropropene	9.28	75	1085891	11.379	ppbv	99
46) cis-1,3-Dichloropropene	8.70	75	1295685	11.058	ppbv	98
47) 1,1,2-Trichloroethane	9.48	97	899275	9.492	ppbv	98
48) Dibromochloromethane	10.32	129	1456592	9.998	ppbv	100
49) Bromoform	13.06	173	1259219	10.045	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	2369008	9.840	ppbv	100
51) 2-Hexanone	10.13	43	1943190	10.320	ppbv	99
52) Tetrachloroethene	11.23	164	747624	9.388	ppbv	94
53) Toluene	9.81	91	2475536	10.427	ppbv	100
54) 1,2-Dibromoethane	10.62	107	1343011	9.653	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.14	131	1091941	8.827	ppbv	97
57) Chlorobenzene	12.16	112	1880909	8.655	ppbv #	97
58) Ethyl Benzene	12.73	91	3305000	9.744	ppbv	97
59) m/p-Xylene	13.01	91	2738942	9.178	ppbv	91
60) o-Xylene	13.71	91	2728377	9.265	ppbv	100
61) Styrene	13.54	104	1939767	10.408	ppbv	99
62) Isopropylbenzene	14.69	105	3962308	9.012	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.70	83	1942748	8.381	ppbv	100
64) n-propylbenzene	15.58	120	1050396	9.314	ppbv	99
65) tert-Butylbenzene	16.77	119	3414727	8.955	ppbv	99
66) Benzyl Chloride	17.02	91	1314264	10.152	ppbv	98
67) sec-Butylbenzene	17.32	105	4904629	9.010	ppbv	99
69) p-Isopropyltoluene	17.68	119	4033990	9.160	ppbv	100
70) n-Butylbenzene	18.58	91	4259993	9.089	ppbv	99
71) 2-Chlorotoluene	15.48	91	3101332	9.344	ppbv	99
72) 4-Ethyltoluene	15.86	105	3179499	9.677	ppbv	99
73) 1,3,5-Trimethylbenzene	16.02	105	2964616	9.272	ppbv	97
74) 1,2,4-Trimethylbenzene	16.79	105	3027445	8.674	ppbv	97
75) 1,3-Dichlorobenzene	17.03	146	1719944	8.393	ppbv	99
76) 1,4-Dichlorobenzene	17.17	146	1741345	8.943	ppbv	99
77) 1,2-Dichlorobenzene	17.85	146	1662169	8.608	ppbv	99
78) Hexachloro-1,3-Butadiene	23.41	225	1387441	8.429	ppbv	98
79) Naphthalene	22.24	128	3039016	11.182	ppbv	98
80) Naphthalene, 2-methyl-	25.00	142	1378639	20.636	ppbv	98
81) 1,2,4-Trichlorobenzene	21.97	180	1592234	9.661	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 890

Delta R.T. -0.02 min

Lab File: VL035044.D

Acq: 19 May 2020 14:22

Instrument :

MSVOA_L

ClientSampleId :

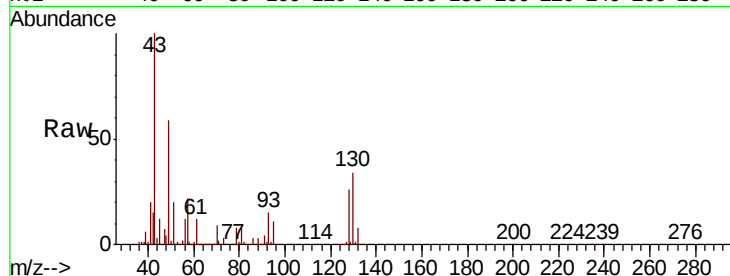
Tot Ion: 49 Resp: 1177877

Ion Ratio Lower Upper

49 100

128 44.3 22.1 66.5

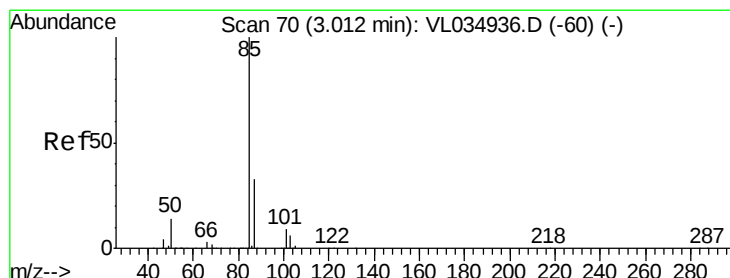
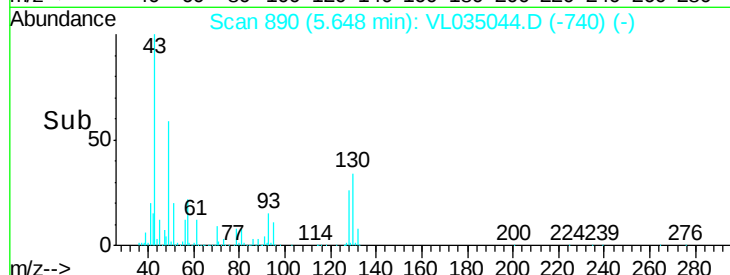
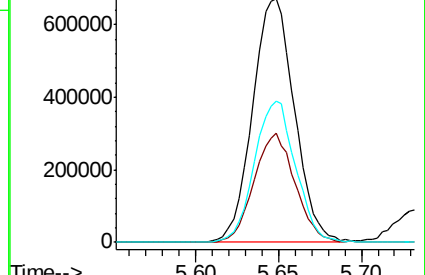
130 57.3 29.1 87.3



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 7.218 ppbv

RT: 3.00 min Scan# 66

Delta R.T. -0.01 min

Lab File: VL035044.D

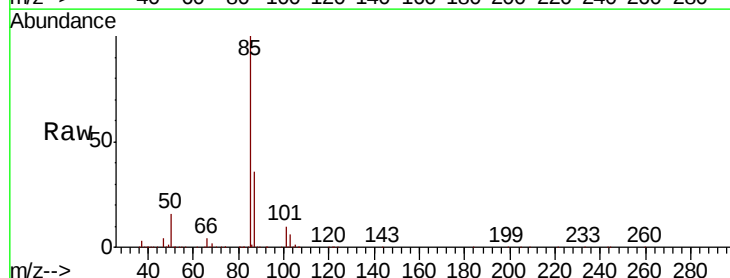
Acq: 19 May 2020 14:22

Tgt Ion: 85 Resp: 1206683

Ion Ratio Lower Upper

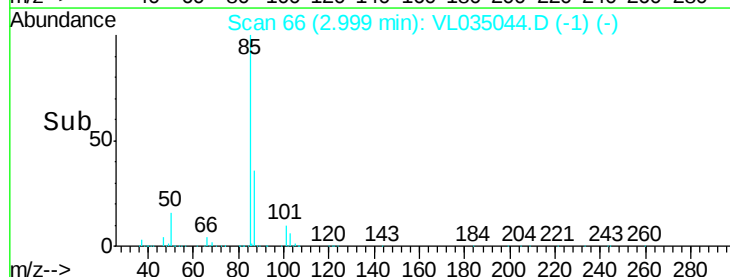
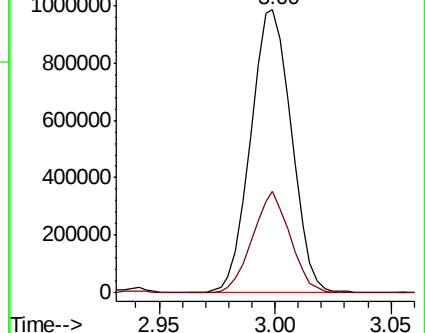
85 100

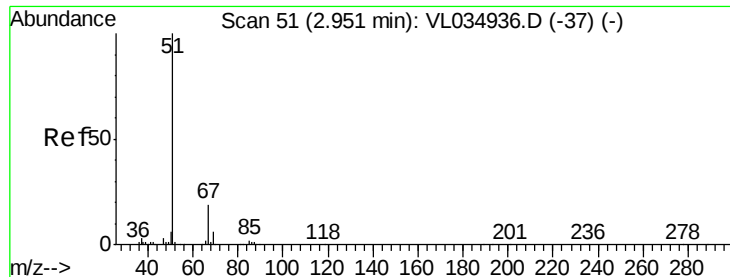
87 35.8 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 8.972 ppbv

RT: 2.94 min Scan# 47

Delta R.T. -0.01 min

Lab File: VL035044.D

Acq: 19 May 2020 14:22

Instrument :

MSVOA_L

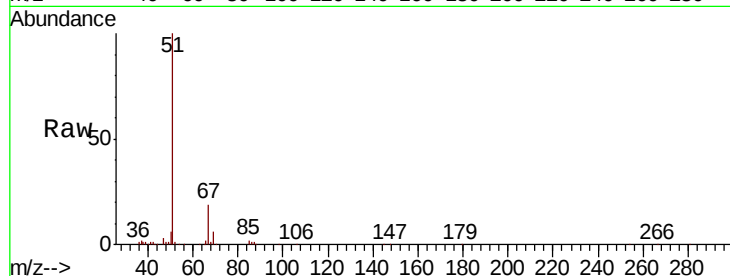
ClientSampled :

Tot Ion: 51 Resp: 1206571

Ion Ratio Lower Upper

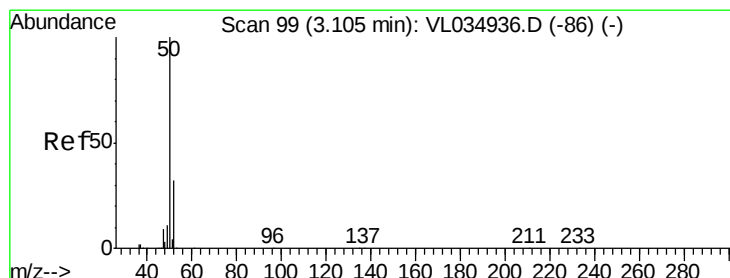
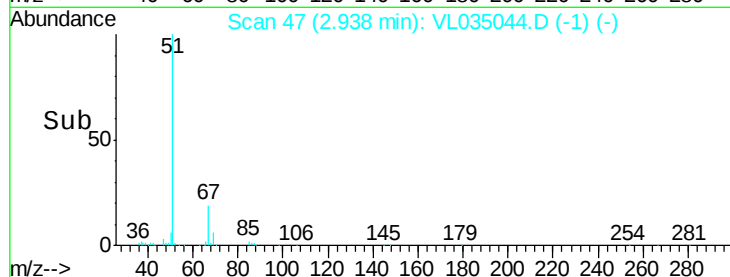
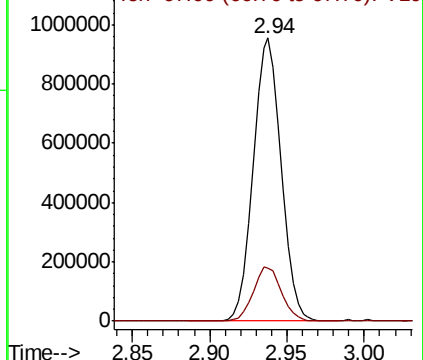
51 100

67 19.4 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: 8.987 ppbv

RT: 3.09 min Scan# 94

Delta R.T. -0.02 min

Lab File: VL035044.D

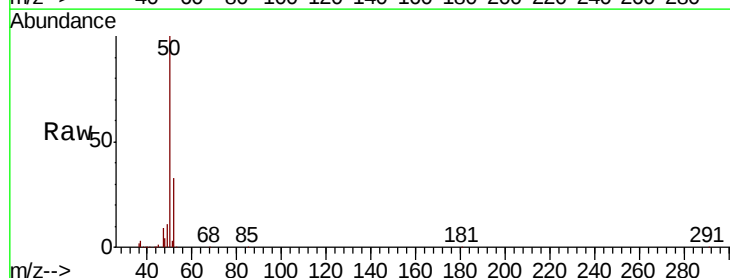
Acq: 19 May 2020 14:22

Tgt Ion: 50 Resp: 692587

Ion Ratio Lower Upper

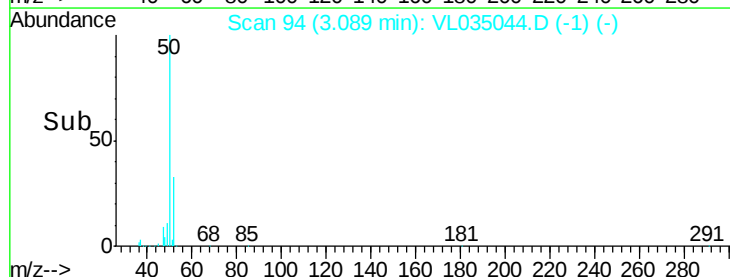
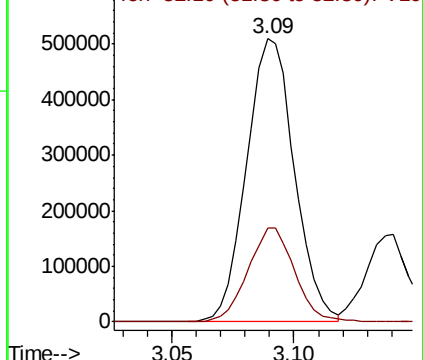
50 100

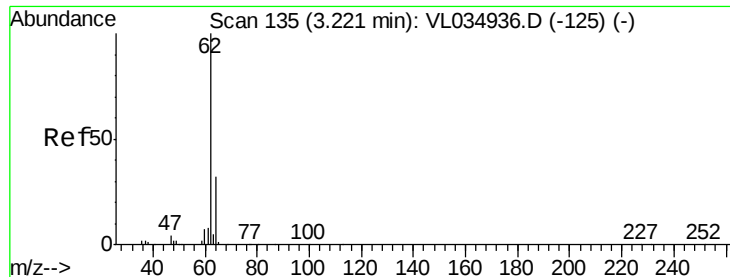
52 33.3 25.4 38.2



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.077 ppbv

RT: 3.21 min Scan# 131

Delta R.T. -0.01 min

Lab File: VL035044.D

Acq: 19 May 2020 14:22

Instrument :

MSVOA_L

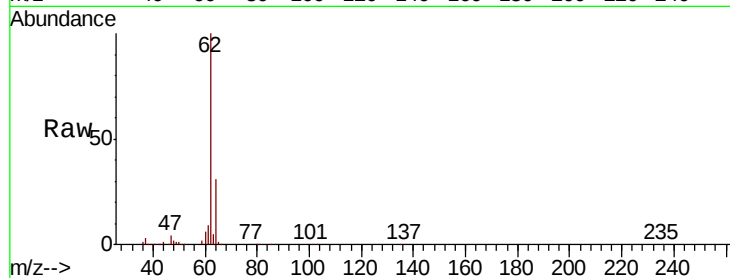
ClientSampleId :

Tot Ion: 62 Resp: 682416

Ion Ratio Lower Upper

62 100

64 30.6 25.7 38.5



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

600000

500000

400000

300000

200000

100000

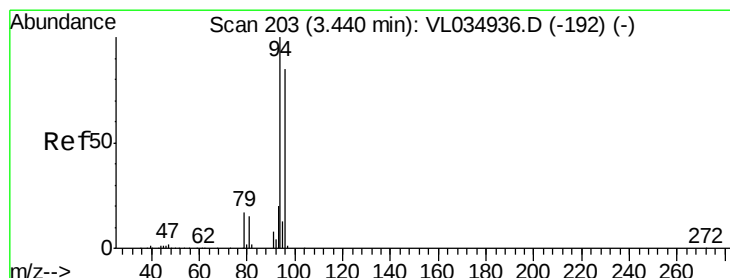
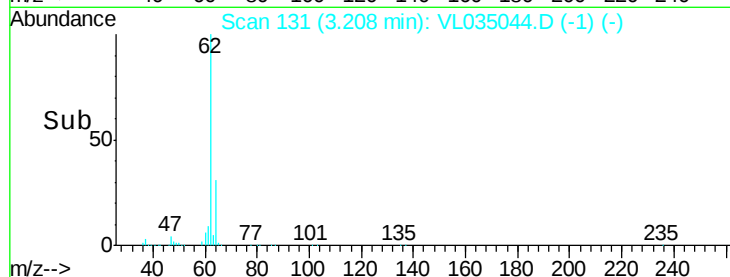
0

3.15

3.20

3.25

Time-->



#6

Bromomethane

Concen: 9.210 ppbv

RT: 3.43 min Scan# 199

Delta R.T. -0.01 min

Lab File: VL035044.D

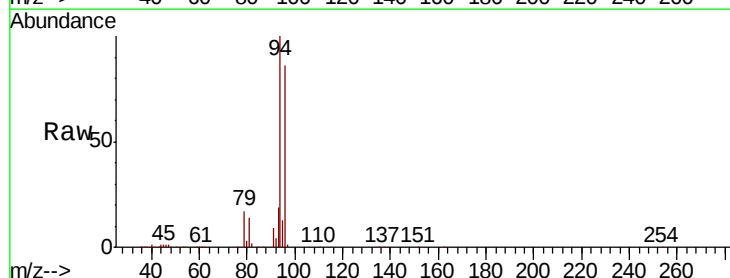
Acq: 19 May 2020 14:22

Tgt Ion: 94 Resp: 413451

Ion Ratio Lower Upper

94 100

96 86.5 67.9 101.9



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

300000

200000

100000

0

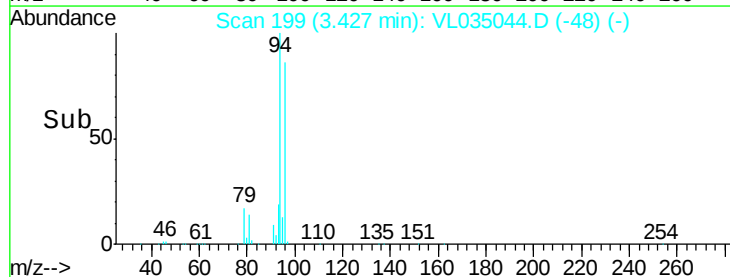
3.35

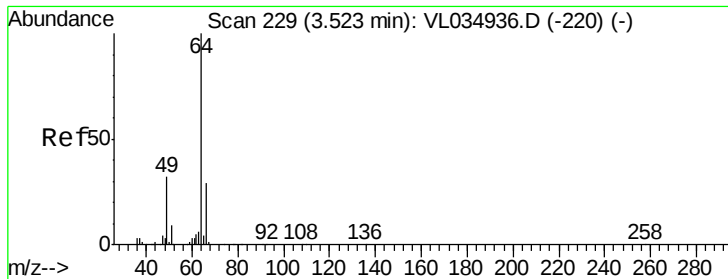
3.40

3.45

3.50

Time-->





#7

Chloroethane

Concen: 9.318 ppbv

RT: 3.51 min Scan# 225

Delta R.T. -0.01 min

Lab File: VL035044.D

Acq: 19 May 2020 14:22

Instrument :

MSVOA_L

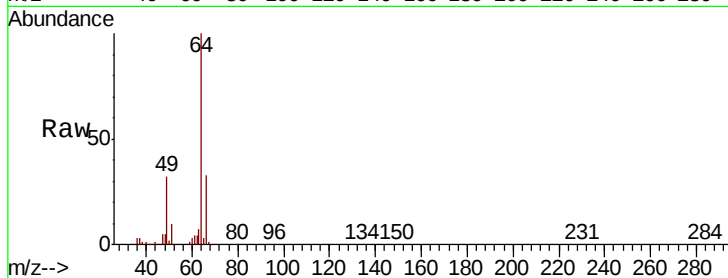
ClientSampleId :

Tot Ion: 64 Resp: 251597

Ion Ratio Lower Upper

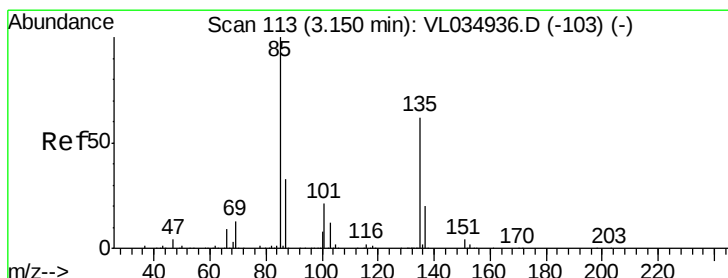
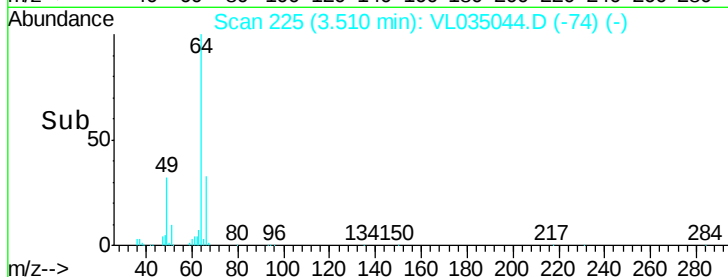
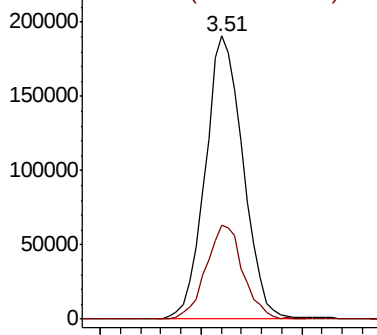
64 100

66 33.3 23.2 34.8



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 8.866 ppbv

RT: 3.14 min Scan# 110

Delta R.T. -0.01 min

Lab File: VL035044.D

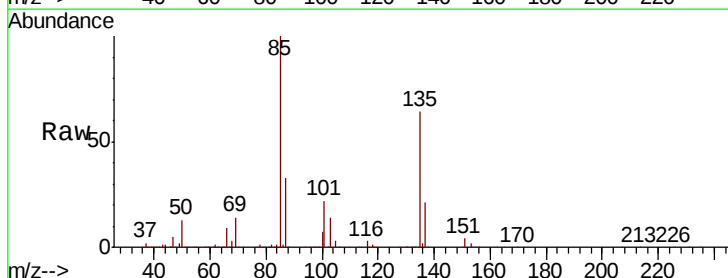
Acq: 19 May 2020 14:22

Tgt Ion: 85 Resp: 1533892

Ion Ratio Lower Upper

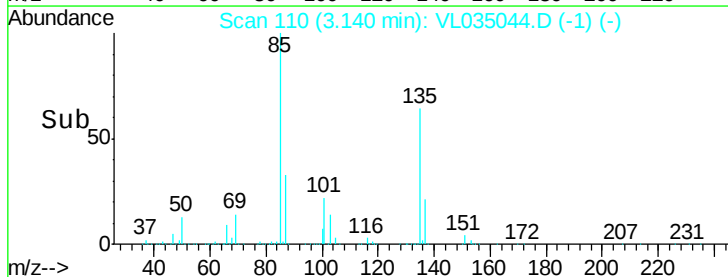
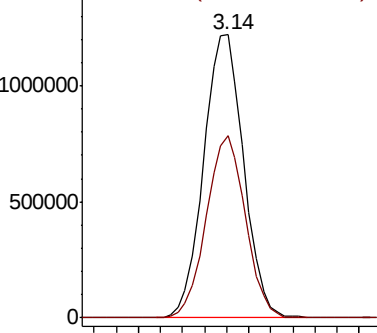
85 100

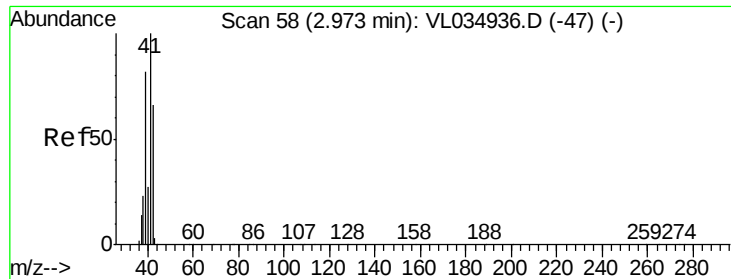
135 63.2 50.9 76.3



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 8.723 ppbv

RT: 2.96 min Scan# 54

Delta R.T. -0.01 min

Lab File: VL035044.D

Acq: 19 May 2020 14:22

Instrument :

MSVOA_L

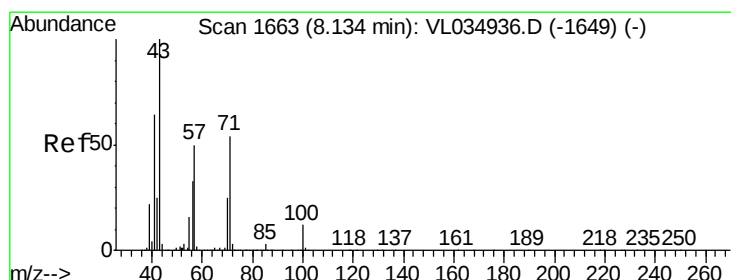
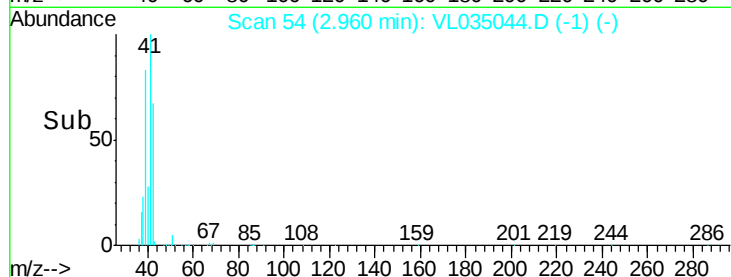
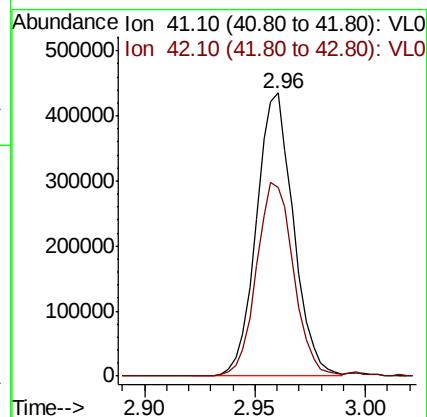
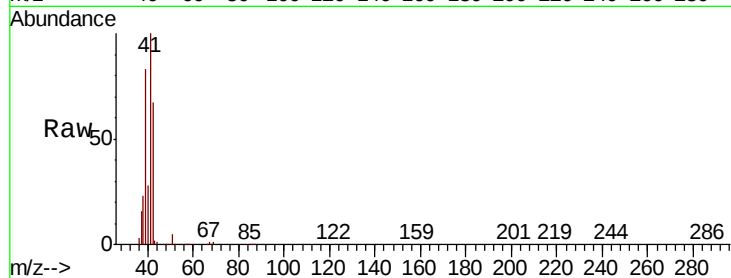
ClientSampleId :

Tot Ion: 41 Resp: 509015

Ion Ratio Lower Upper

41 100

42 69.9 54.5 81.7



#10

Heptane

Concen: 9.713 ppbv

RT: 8.12 min Scan# 1658

Delta R.T. -0.02 min

Lab File: VL035044.D

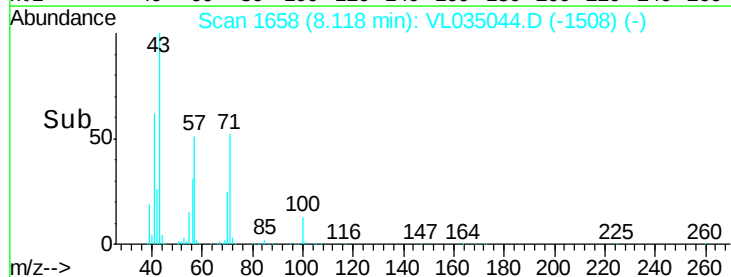
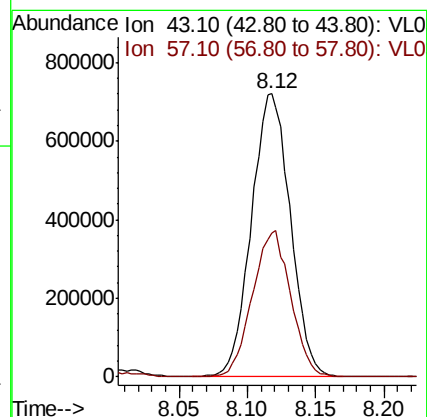
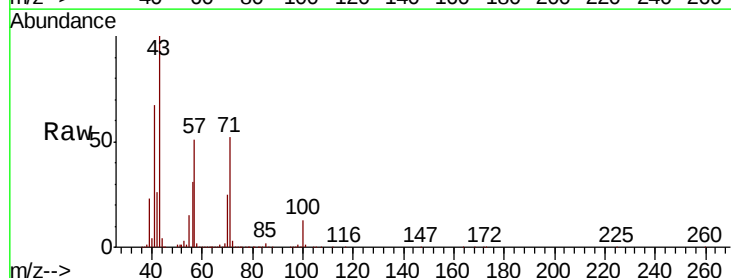
Acq: 19 May 2020 14:22

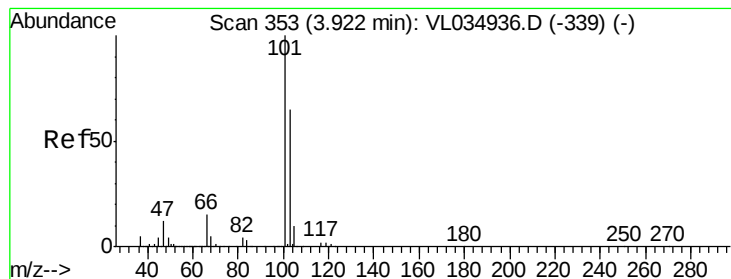
Tgt Ion: 43 Resp: 1420006

Ion Ratio Lower Upper

43 100

57 51.0 41.1 61.7





#11

Trichlorofluoromethane

Concen: 9.192 ppbv

RT: 3.91 min Scan# 349

Delta R.T. -0.01 min

Lab File: VL035044.D

Acq: 19 May 2020 14:22

Instrument :

MSVOA_L

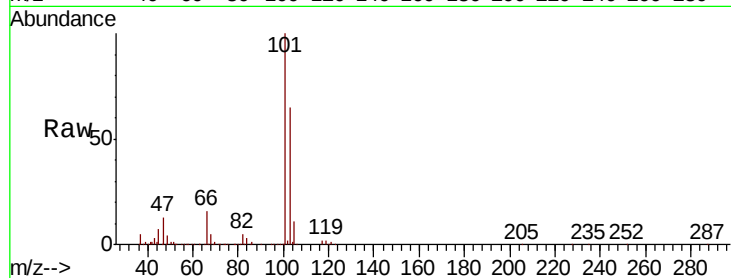
ClientSampleId :

Tot Ion:101 Resp: 1584484

Ion Ratio Lower Upper

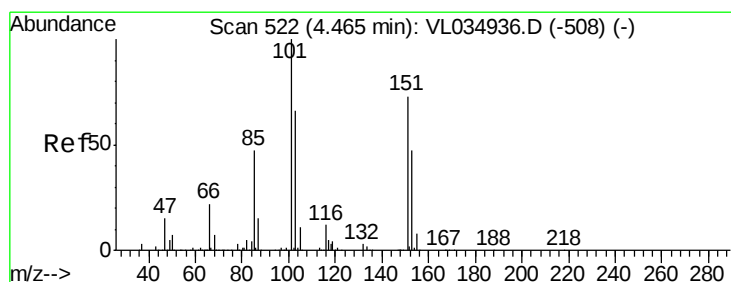
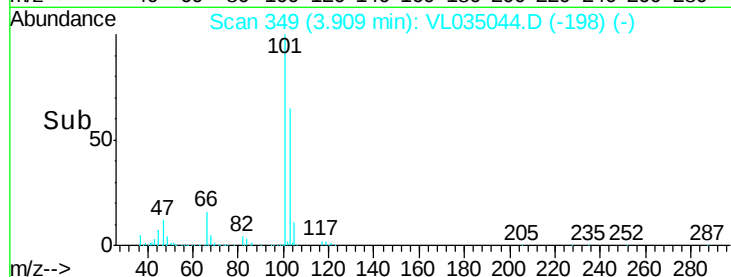
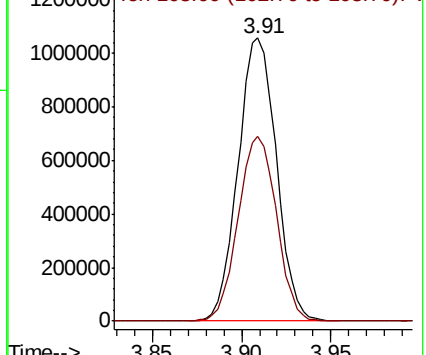
101 100

103 65.1 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.009 ppbv

RT: 4.45 min Scan# 517

Delta R.T. -0.02 min

Lab File: VL035044.D

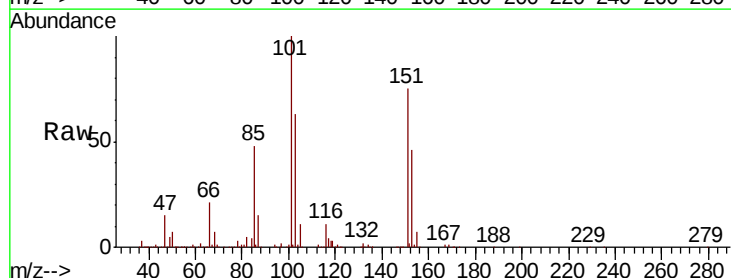
Acq: 19 May 2020 14:22

Tgt Ion:101 Resp: 1105723

Ion Ratio Lower Upper

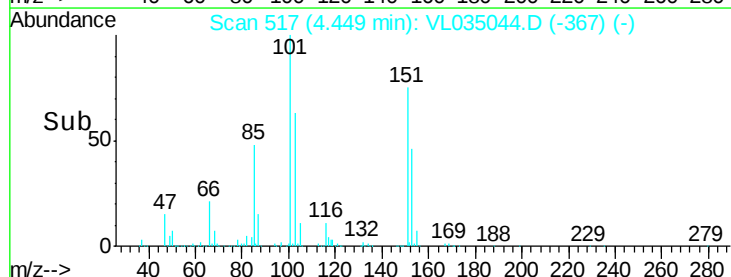
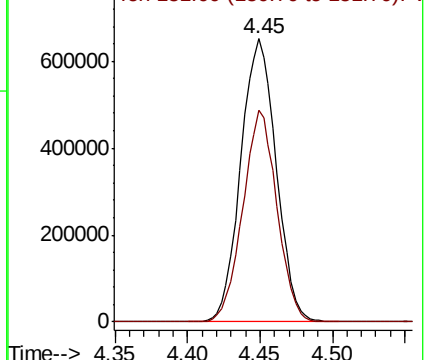
101 100

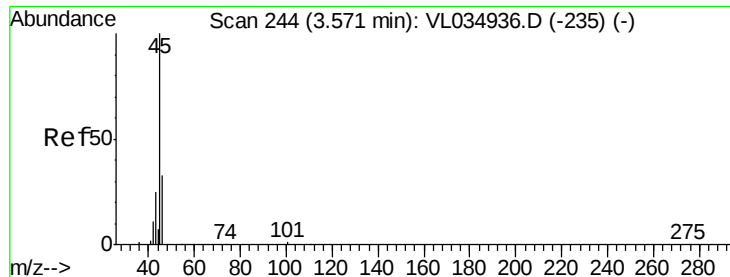
151 72.2 57.6 86.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 8.308 ppbv

RT: 3.56 min Scan# 241

Delta R.T. -0.01 min

Lab File: VL035044.D

Acq: 19 May 2020 14:22

Instrument :

MSVOA_L

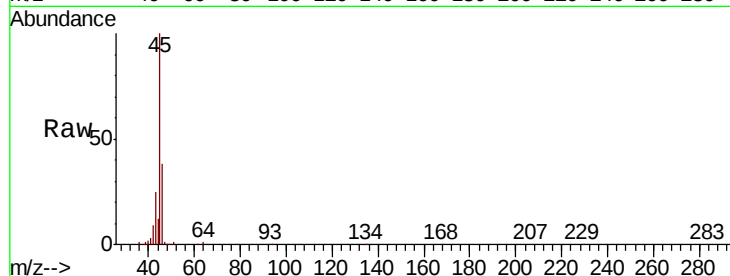
ClientSampled :

Tot Ion: 45 Resp: 159974

Ion Ratio Lower Upper

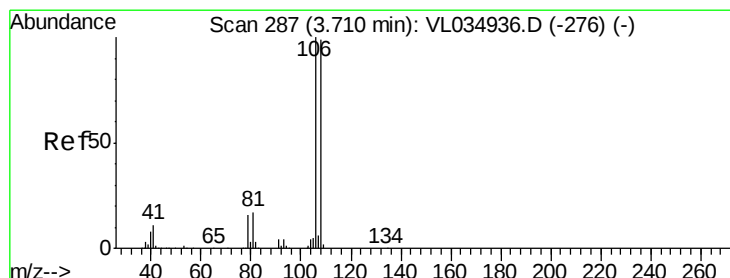
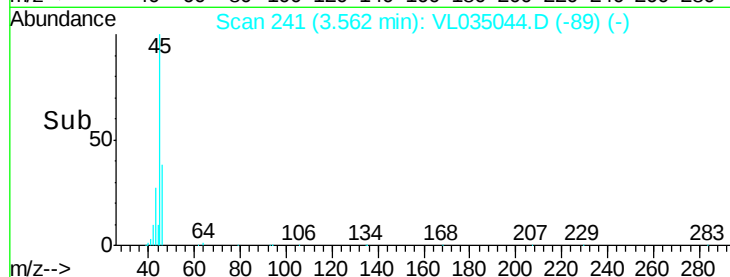
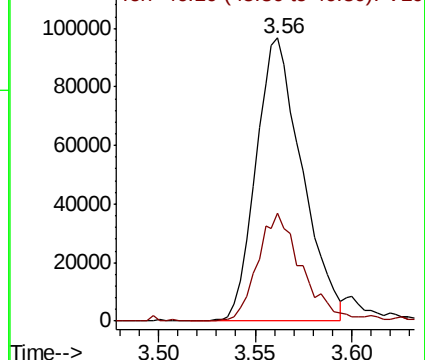
45 100

46 37.9 14.3 57.3



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#14

Bromoethene

Concen: 9.579 ppbv

RT: 3.70 min Scan# 283

Delta R.T. -0.01 min

Lab File: VL035044.D

Acq: 19 May 2020 14:22

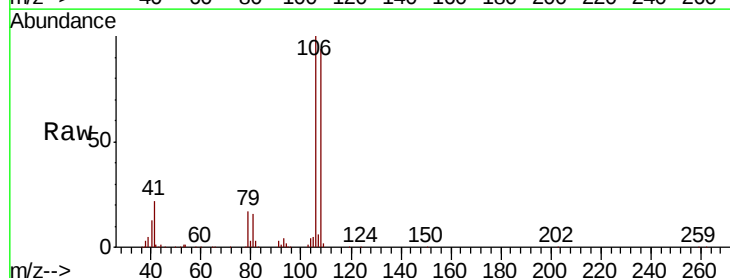
Tgt Ion: 108 Resp: 485869

Ion Ratio Lower Upper

108 100

106 108.6 84.9 127.3

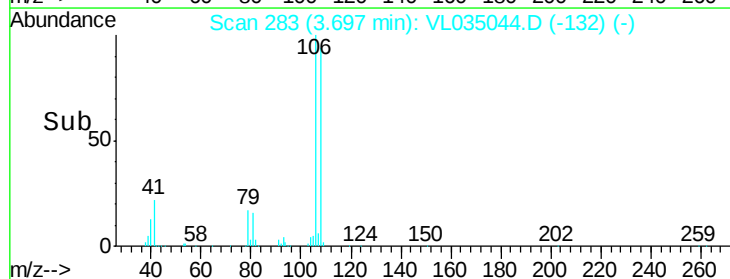
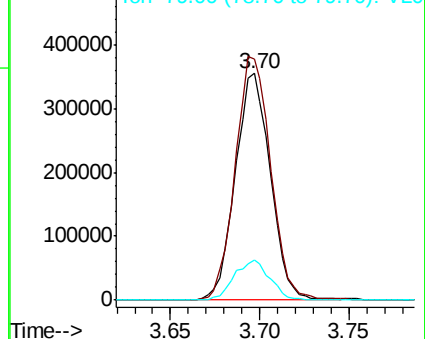
79 18.1 14.1 21.1

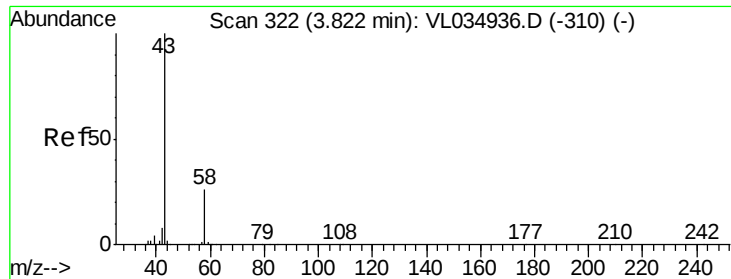


Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0





#15

Acetone

Concen: 8.108 ppbv

RT: 3.81 min Scan# 318

Delta R.T. -0.01 min

Lab File: VL035044.D

Acq: 19 May 2020 14:22

Instrument :

MSVOA_L

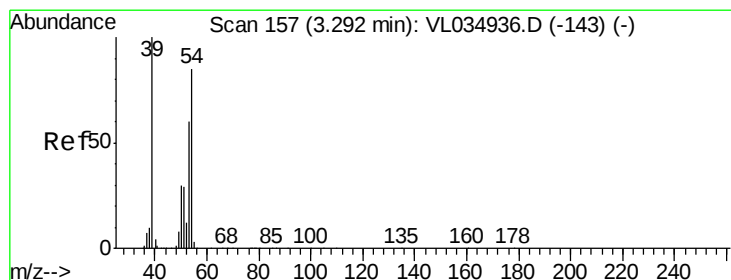
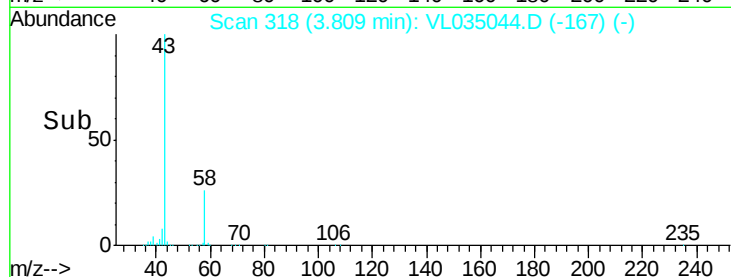
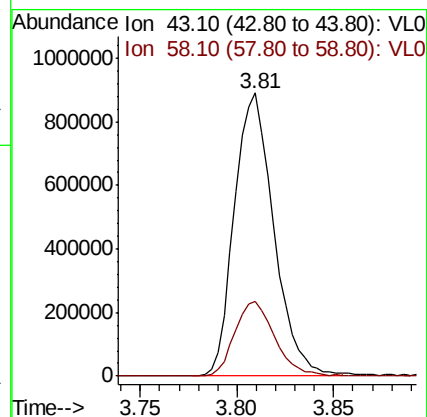
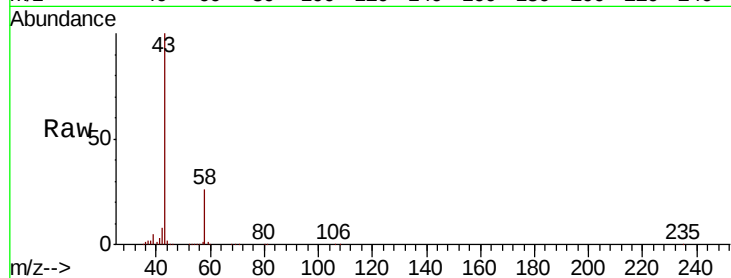
ClientSampleId :

Tot Ion: 43 Resp: 1262653

Ion Ratio Lower Upper

43 100

58 27.0 21.7 32.5



#16

1,3-Butadiene

Concen: 9.226 ppbv

RT: 3.28 min Scan# 153

Delta R.T. -0.01 min

Lab File: VL035044.D

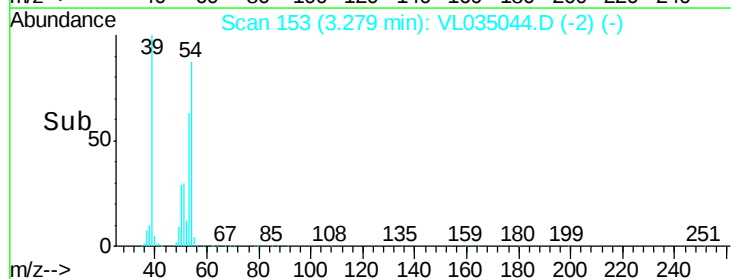
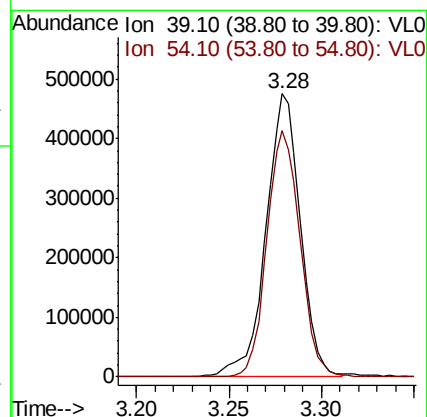
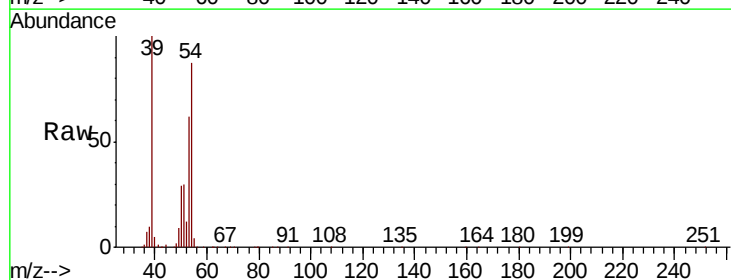
Acq: 19 May 2020 14:22

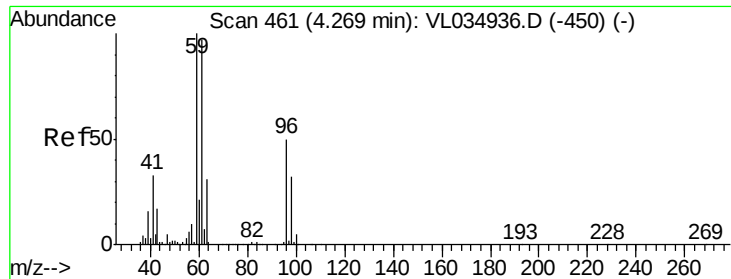
Tgt Ion: 39 Resp: 618290

Ion Ratio Lower Upper

39 100

54 84.1 66.6 100.0



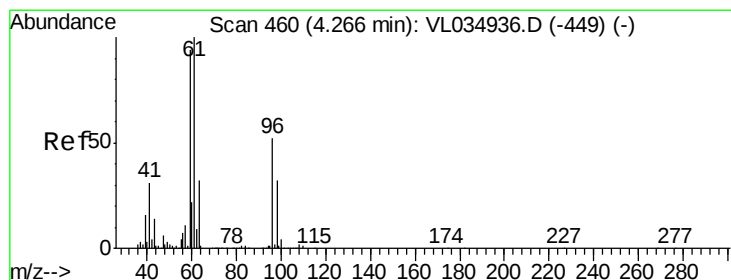
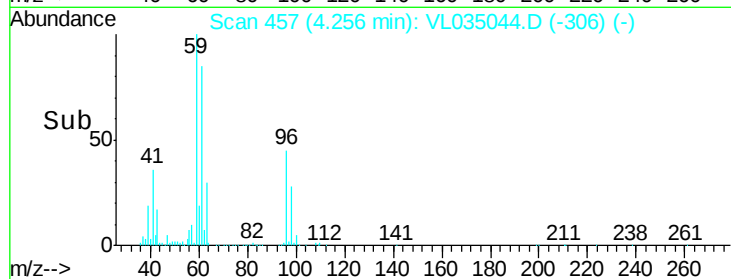
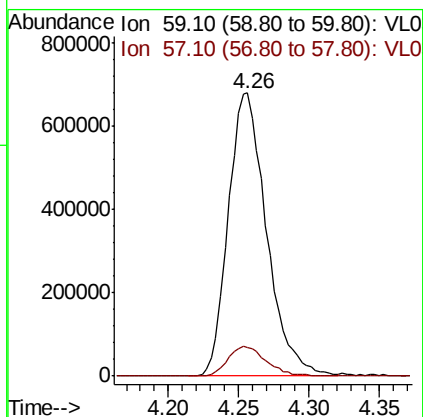
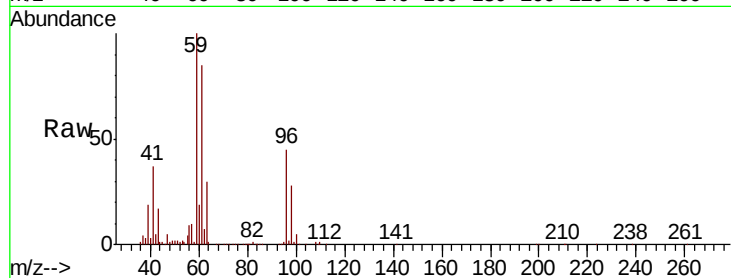


#17

tert-Butyl alcohol
Concen: 9.303 ppbv
RT: 4.26 min Scan# 457
Delta R.T. -0.01 min
Lab File: VL035044.D
Acq: 19 May 2020 14:22

Instrument :
MSVOA_L
ClientSampled :

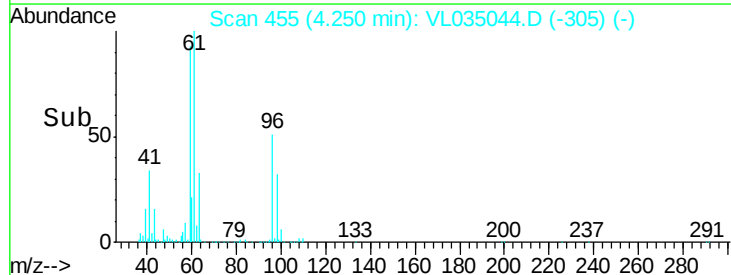
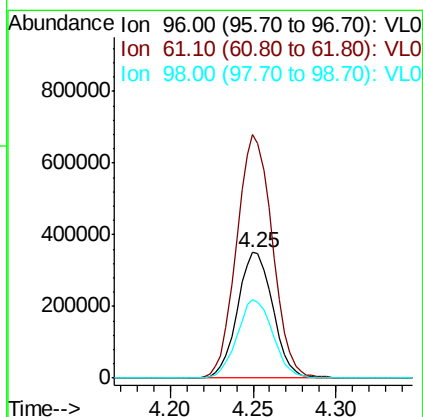
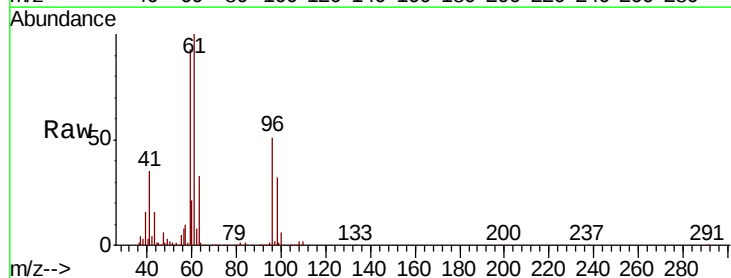
Tot Ion: 59 Resp: 1288877
Ion Ratio Lower Upper
59 100
57 10.7 8.7 13.1

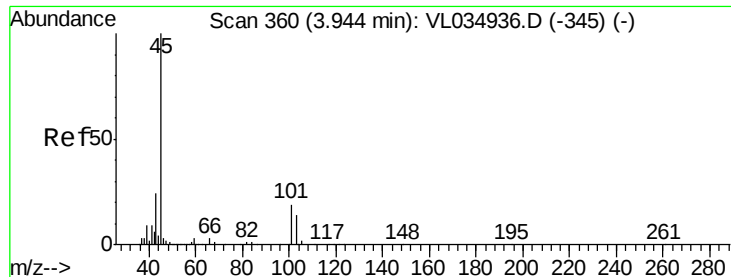


#18

1,1-Dichloroethene
Concen: 9.759 ppbv
RT: 4.25 min Scan# 455
Delta R.T. -0.02 min
Lab File: VL035044.D
Acq: 19 May 2020 14:22

Tgt Ion: 96 Resp: 519664
Ion Ratio Lower Upper
96 100
61 194.4 152.4 228.6
98 62.6 48.8 73.2





#19

Isopropyl Alcohol

Concen: 9.053 ppbv

RT: 3.93 min Scan# 355

Delta R.T. -0.02 min

Lab File: VL035044.D

Acq: 19 May 2020 14:22

Instrument :

MSVOA_L

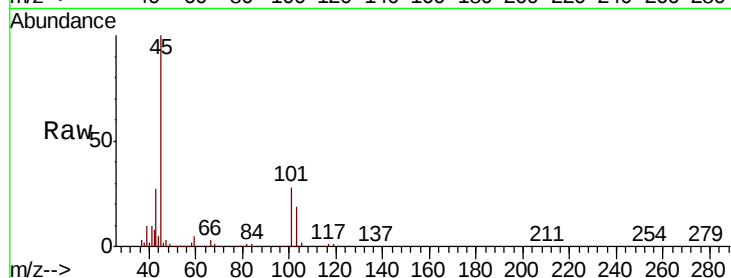
ClientSampleId :

Tot Ion: 45 Resp: 940148

Ion Ratio Lower Upper

45 100

58 2.0 1.7 2.5



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.93

600000

500000

400000

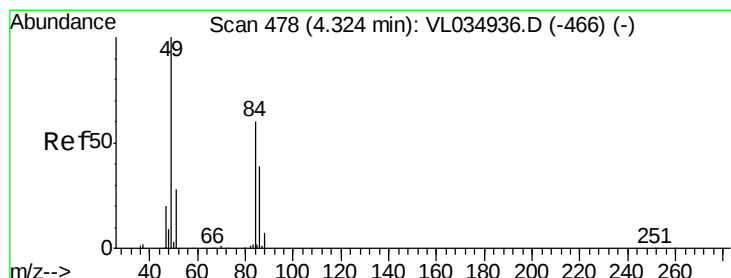
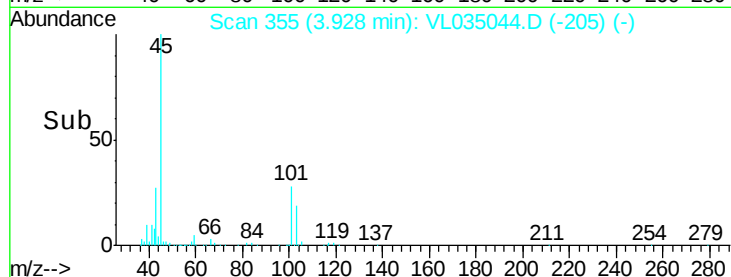
300000

200000

100000

0

Time-->



#20

Methylene Chloride

Concen: 8.742 ppbv

RT: 4.31 min Scan# 473

Delta R.T. -0.02 min

Lab File: VL035044.D

Acq: 19 May 2020 14:22

Tgt Ion: 84 Resp: 450614

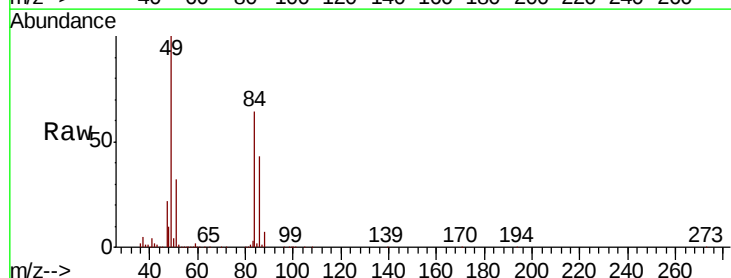
Ion Ratio Lower Upper

84 100

49 155.4 132.5 198.7

51 49.5 38.4 57.6

86 67.8 51.2 76.8



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

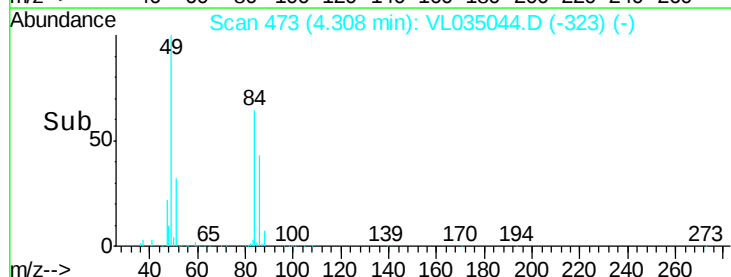
600000

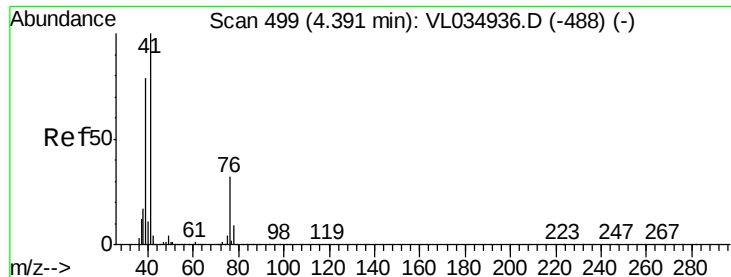
400000

200000

0

Time-->





#21

Allvl Chloride

Concen: 9.961 ppbv

RT: 4.38 min Scan# 494

Delta R.T. -0.02 min

Lab File: VL035044.D

Acq: 19 May 2020 14:22

Instrument :

MSVOA_L

ClientSampleId :

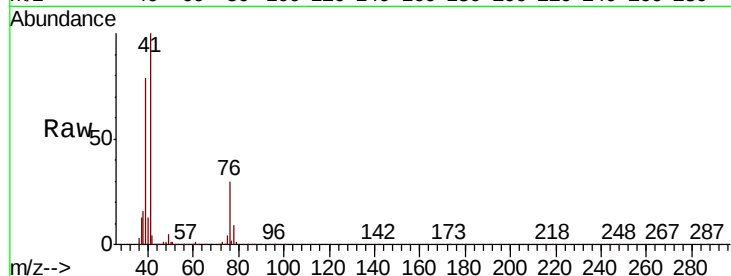
Tot Ion: 41 Resp: 876131

Ion Ratio Lower Upper

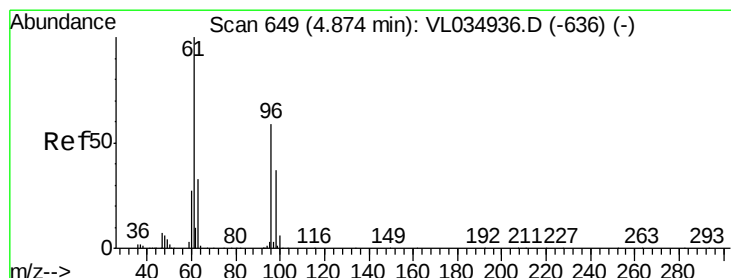
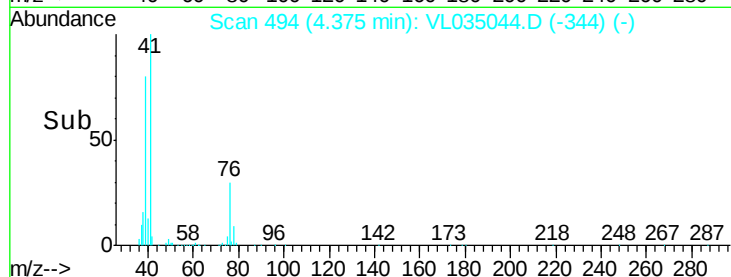
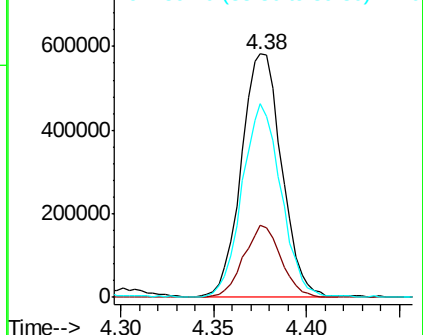
41 100

76 27.7 23.6 35.4

39 78.0 61.9 92.9



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: 9.568 ppbv

RT: 4.85 min Scan# 643

Delta R.T. -0.02 min

Lab File: VL035044.D

Acq: 19 May 2020 14:22

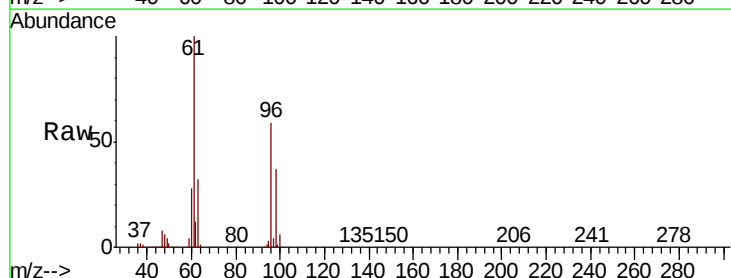
Tgt Ion: 96 Resp: 504697

Ion Ratio Lower Upper

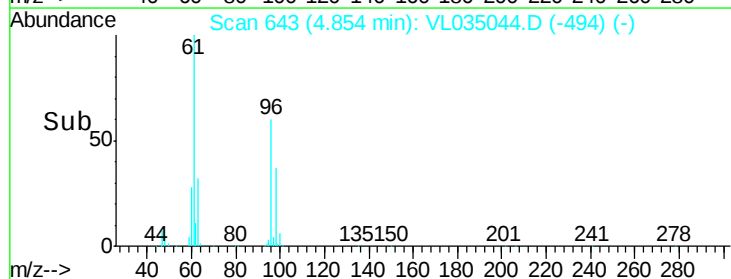
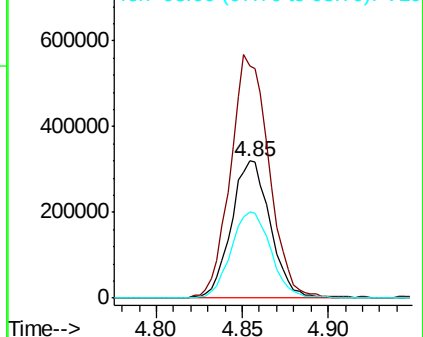
96 100

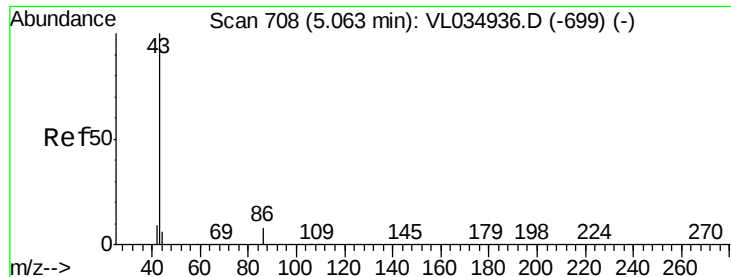
61 169.3 135.3 202.9

98 62.8 50.4 75.6



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: 9.571 ppbv

RT: 5.05 min Scan# 703

Delta R.T. -0.02 min

Lab File: VL035044.D

Acq: 19 May 2020 14:22

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 43 Resp: 1889828

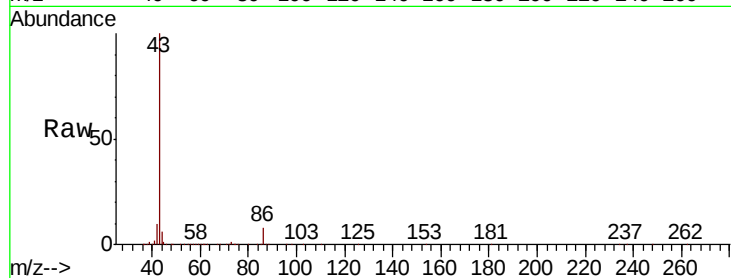
Ion Ratio Lower Upper

43 100

86 7.6 5.5 8.3

42 9.6 8.0 12.0

44 5.8 4.5 6.7

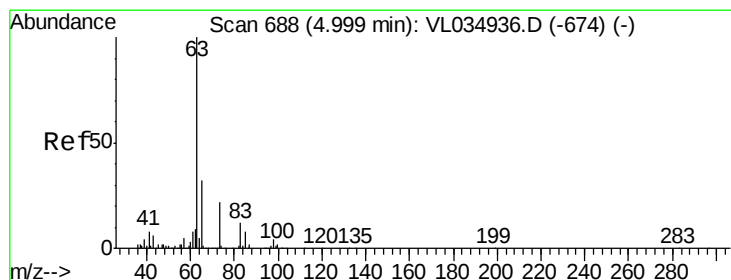
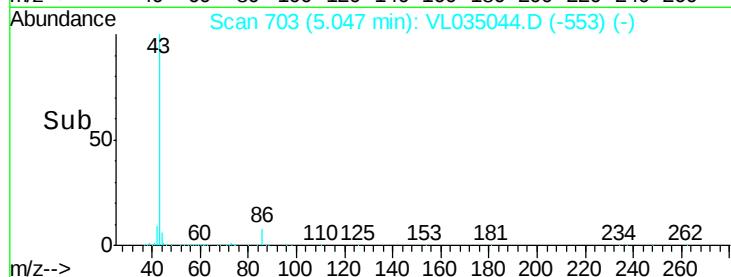
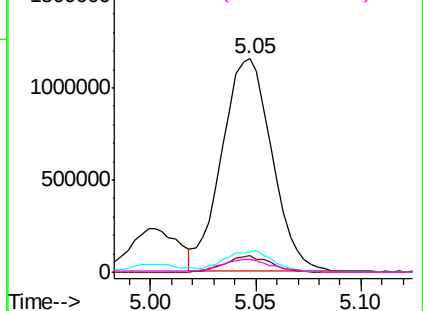


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.105 ppbv

RT: 4.98 min Scan# 683

Delta R.T. -0.02 min

Lab File: VL035044.D

Acq: 19 May 2020 14:22

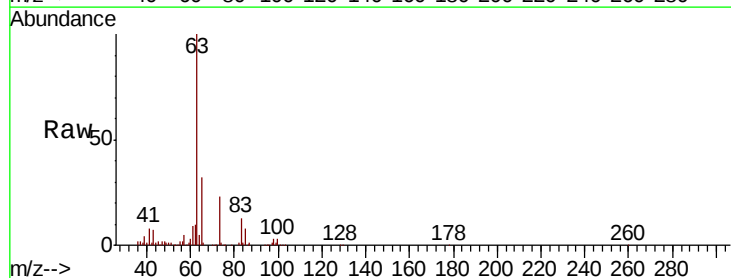
Tgt Ion: 63 Resp: 1384832

Ion Ratio Lower Upper

63 100

98 3.4 2.0 6.0

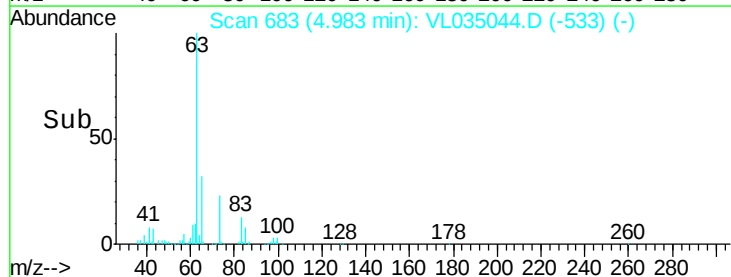
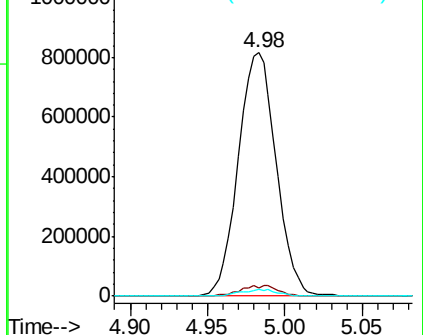
100 2.8 1.1 3.5

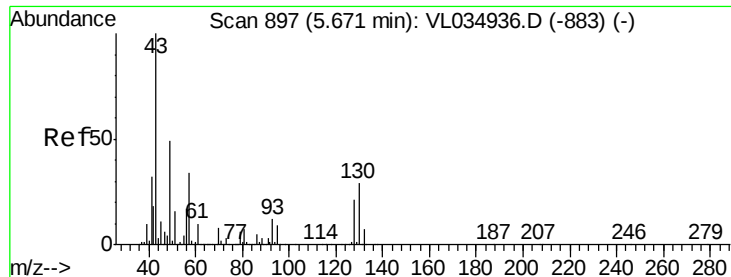


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



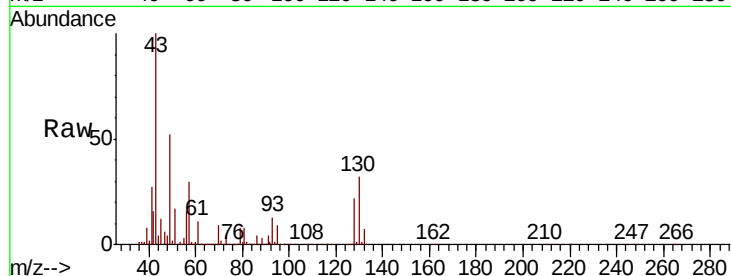


#25
Ethyl Acetate
Concen: 9.260 ppbv
RT: 5.65 min Scan# 891
Delta R.T. -0.02 min
Lab File: VL035044.D
Acq: 19 May 2020 14:22

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 2422122

Ion	Ratio	Lower	Upper
43	100		
45	10.3	8.1	12.1
61	10.0	7.8	11.8
70	7.5	6.0	9.0



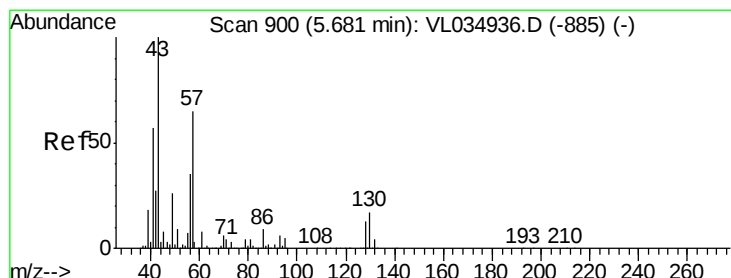
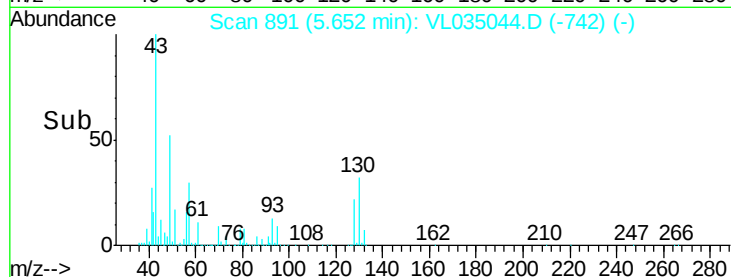
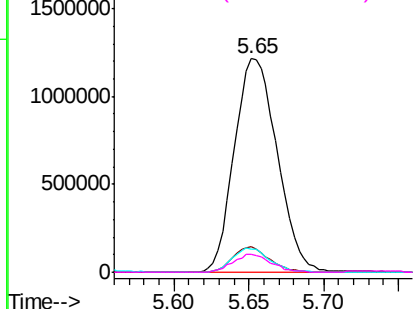
Abundance

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

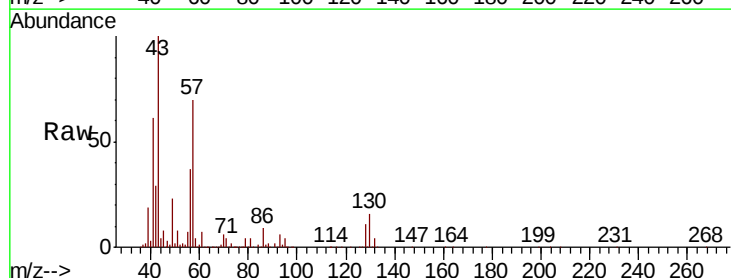
Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 9.543 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.02 min
Lab File: VL035044.D
Acq: 19 May 2020 14:22

Tgt Ion: 57 Resp: 1082122

Ion	Ratio	Lower	Upper
57	100		
41	90.4	72.7	109.1
43	225.4	182.1	273.1
56	52.7	42.2	63.2



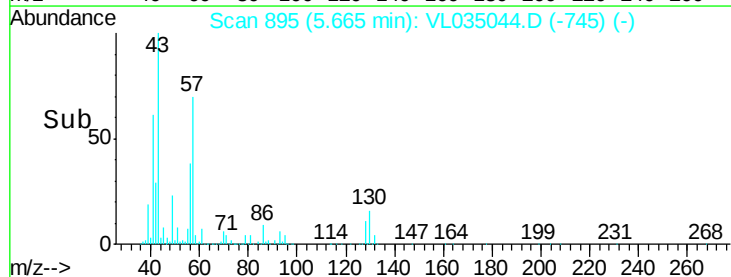
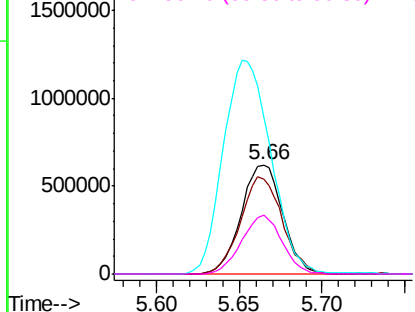
Abundance

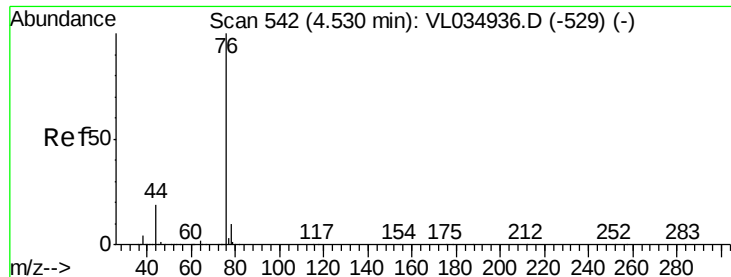
Ion 57.10 (56.80 to 57.80): VL0

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: 9.767 ppbv

RT: 4.51 min Scan# 537

Delta R.T. -0.02 min

Lab File: VL035044.D

Acq: 19 May 2020 14:22

Instrument :

MSVOA_L

ClientSampleId :

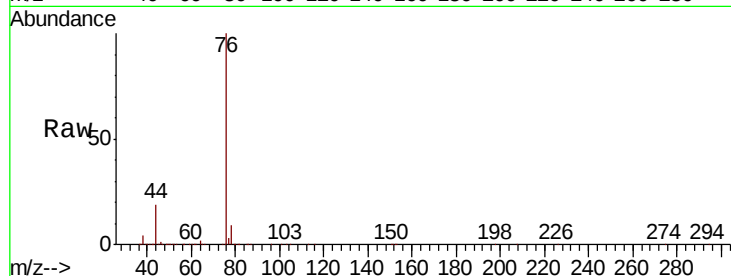
Tot Ion: 76 Resp: 1305453

Ion Ratio Lower Upper

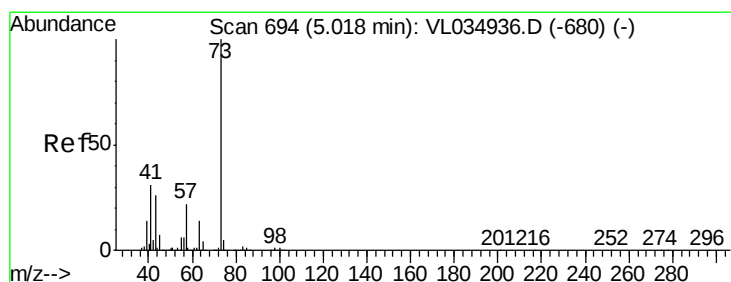
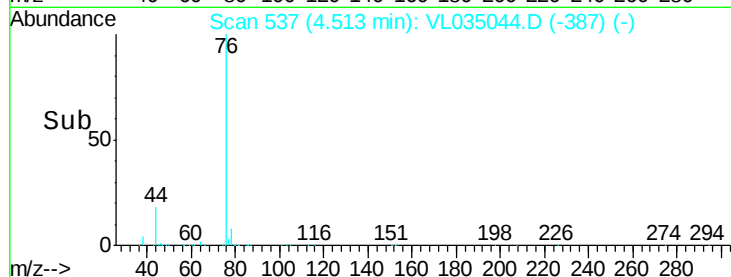
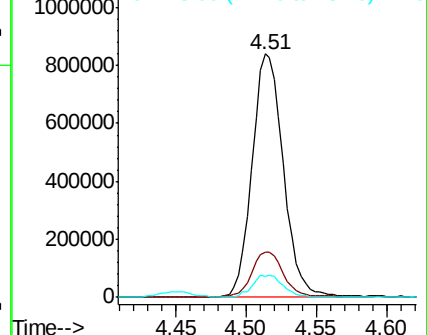
76 100

44 18.9 15.2 22.8

78 9.0 7.7 11.5



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: 9.261 ppbv

RT: 5.00 min Scan# 689

Delta R.T. -0.02 min

Lab File: VL035044.D

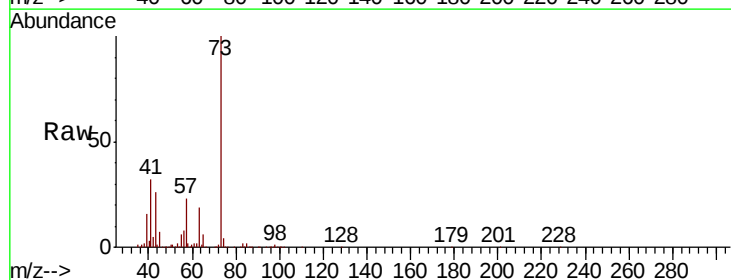
Acq: 19 May 2020 14:22

Tgt Ion: 73 Resp: 1599391

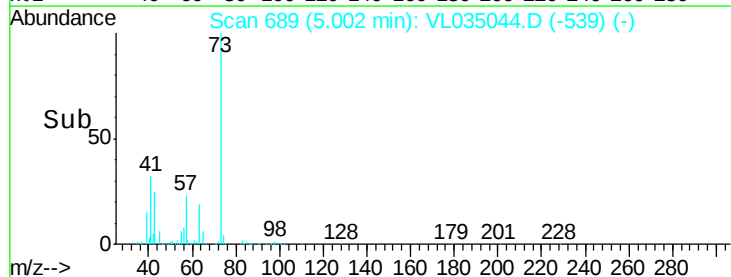
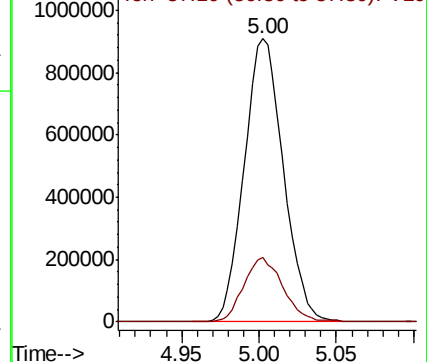
Ion Ratio Lower Upper

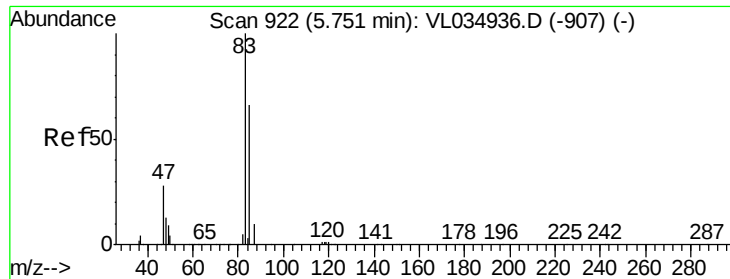
73 100

57 22.9 18.3 27.5



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





#29

Chloroform

Concen: 9.124 ppbv

RT: 5.74 min Scan# 917

Delta R.T. -0.02 min

Lab File: VL035044.D

Acq: 19 May 2020 14:22

Instrument :

MSVOA_L

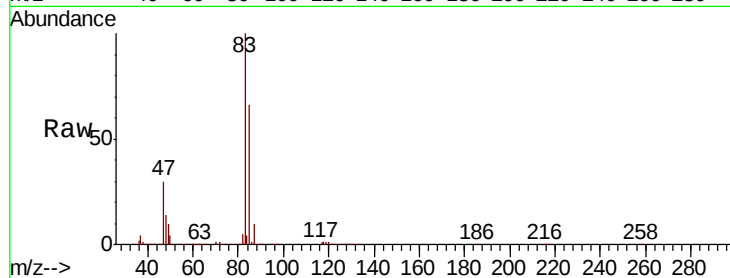
ClientSampleId :

Tot Ion: 83 Resp: 1692930

Ion Ratio Lower Upper

83 100

85 65.5 53.0 79.6



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

5.74

1000000

800000

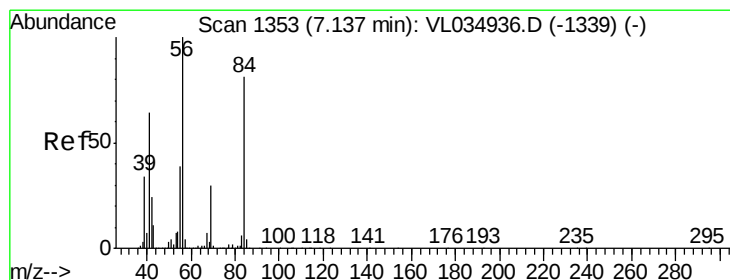
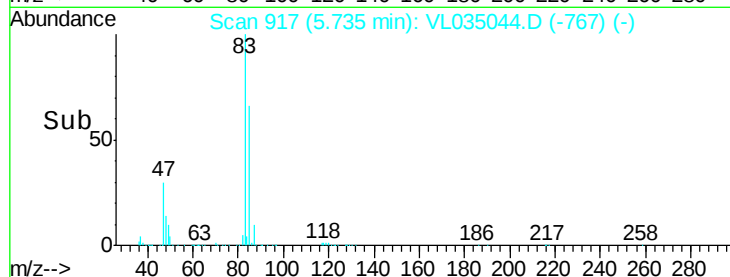
600000

400000

200000

0

Time-->



#30

Cyclohexane

Concen: 10.244 ppbv

RT: 7.12 min Scan# 1347

Delta R.T. -0.02 min

Lab File: VL035044.D

Acq: 19 May 2020 14:22

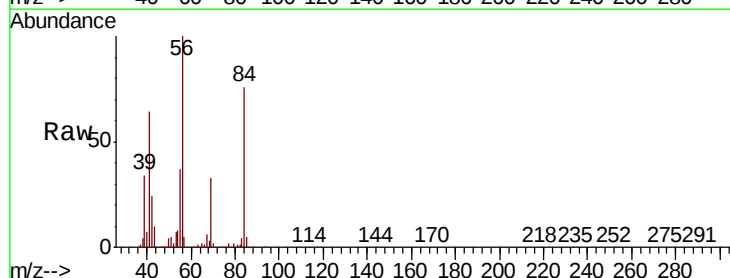
Tgt Ion: 84 Resp: 896440

Ion Ratio Lower Upper

84 100

56 138.4 111.4 167.2

41 84.3 66.7 100.1



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

7.12

800000

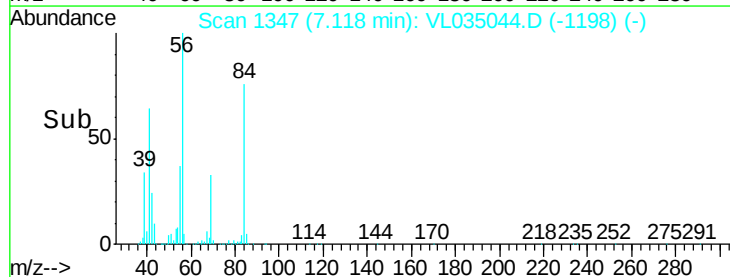
600000

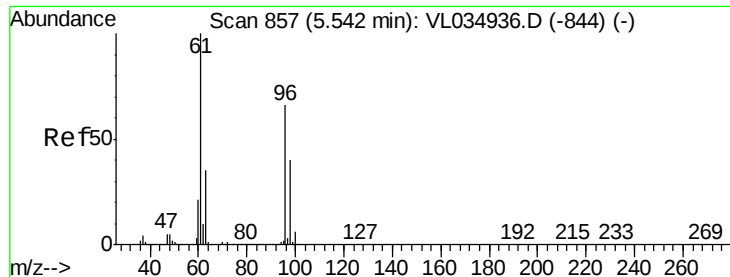
400000

200000

0

Time-->



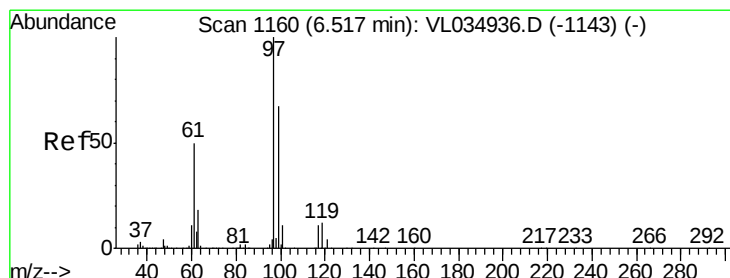
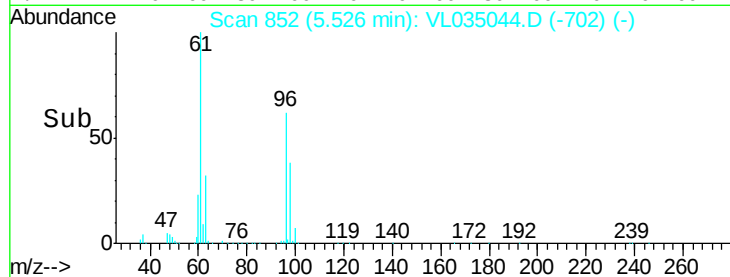
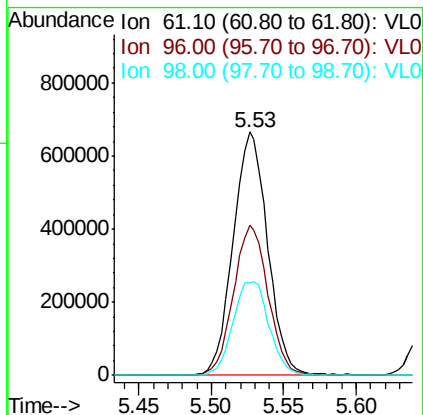
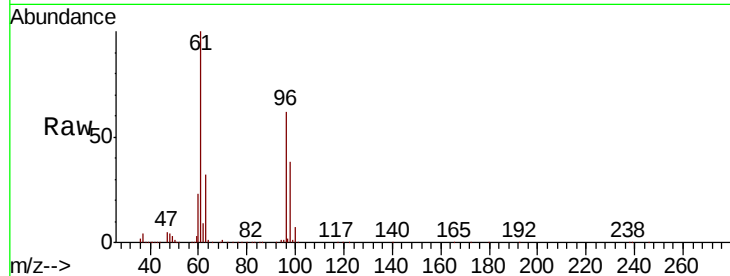


#31

cis-1,2-Dichloroethene
Concen: 9.904 ppbv
RT: 5.53 min Scan# 852
Delta R.T. -0.02 min
Lab File: VL035044.D
Acq: 19 May 2020 14:22

Instrument :
MSVOA_L
ClientSampleId :

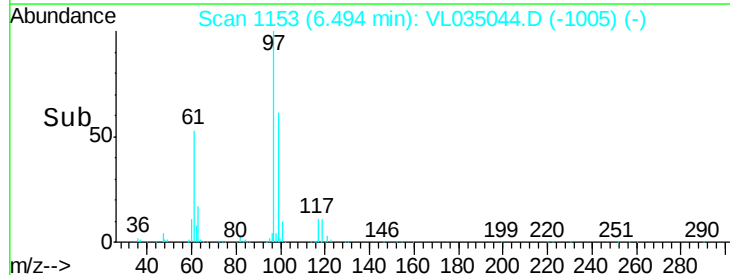
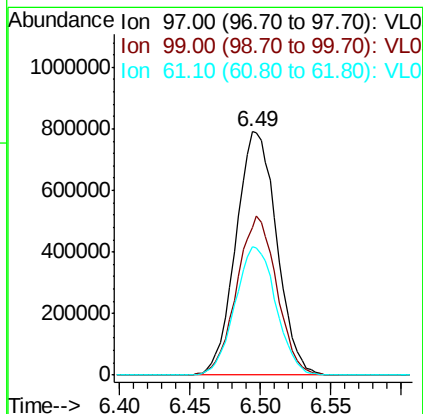
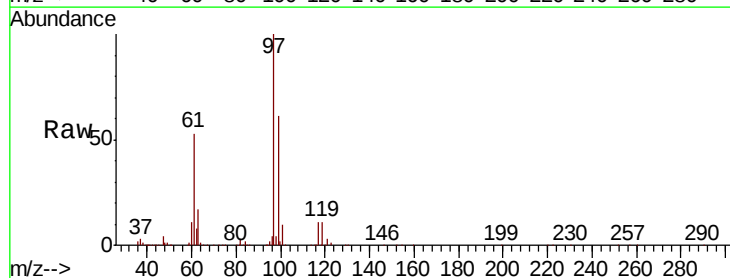
Tot Ion: 61 Resp: 1095832
Ion Ratio Lower Upper
61 100
96 61.8 53.0 79.6
98 38.3 32.2 48.2

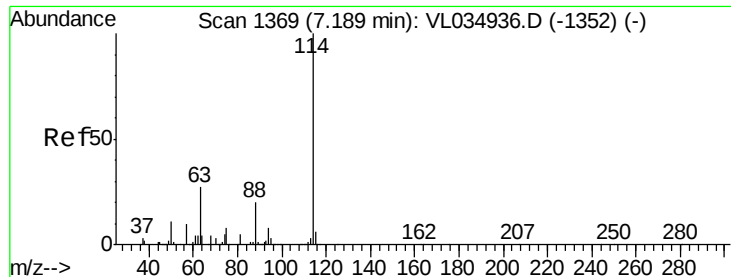


#32

1,1,1-Trichloroethane
Concen: 9.514 ppbv
RT: 6.49 min Scan# 1153
Delta R.T. -0.02 min
Lab File: VL035044.D
Acq: 19 May 2020 14:22

Tgt Ion: 97 Resp: 1594105
Ion Ratio Lower Upper
97 100
99 64.4 52.1 78.1
61 53.3 41.8 62.8

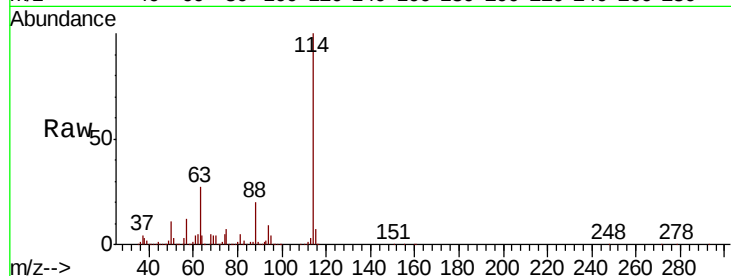




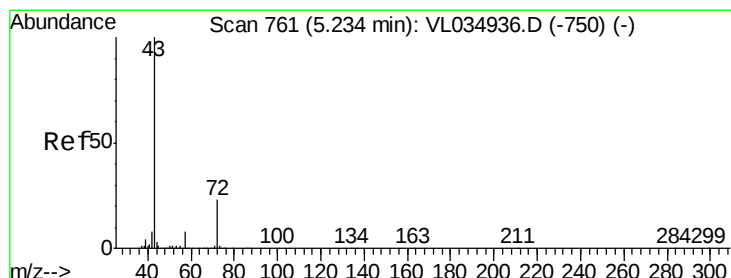
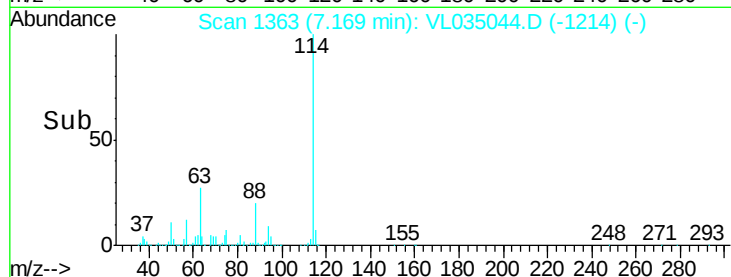
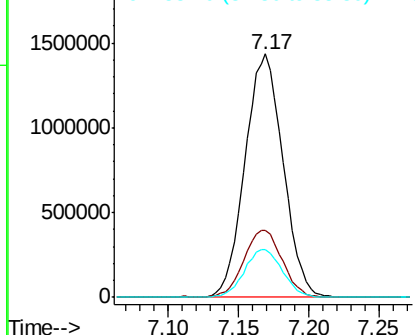
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1363
 Delta R.T. -0.02 min
 Lab File: VL035044.D
 Acq: 19 May 2020 14:22

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:114 Resp: 2716360
 Ion Ratio Lower Upper
 114 100
 63 28.2 22.2 33.4
 88 19.7 15.5 23.3

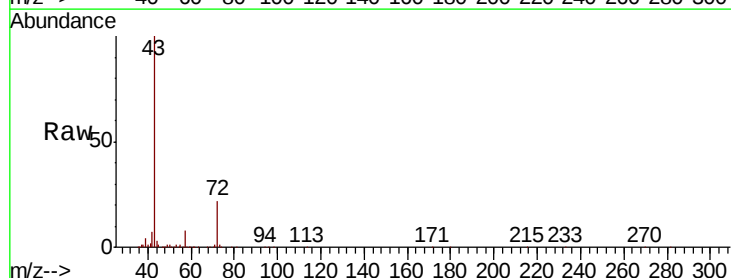


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

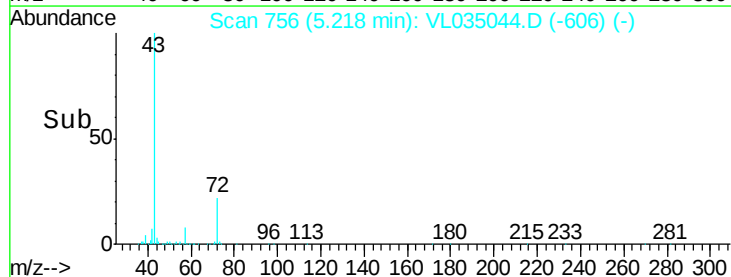
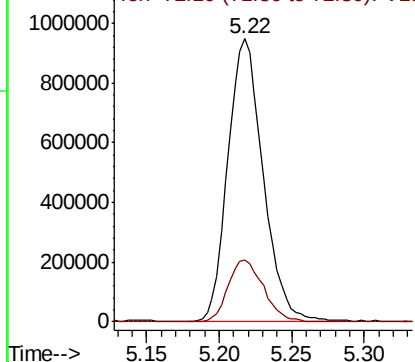


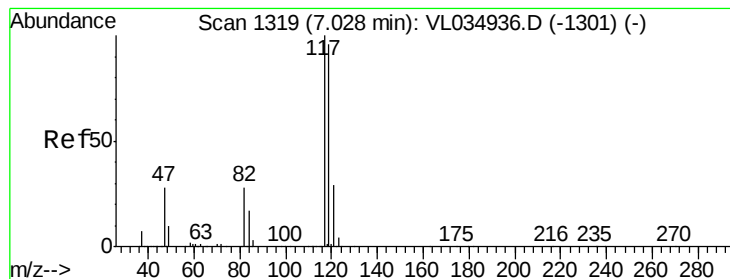
#34
 2-Butanone
 Concen: 9.417 ppbv
 RT: 5.22 min Scan# 756
 Delta R.T. -0.02 min
 Lab File: VL035044.D
 Acq: 19 May 2020 14:22

Tgt Ion: 43 Resp: 1589899
 Ion Ratio Lower Upper
 43 100
 72 22.2 18.0 27.0



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





#35

Carbon Tetrachloride

Concen: 9.556 ppbv

RT: 7.01 min Scan# 1313

Delta R.T. -0.02 min

Lab File: VL035044.D

Acq: 19 May 2020 14:22

Instrument :

MSVOA_L

ClientSampled :

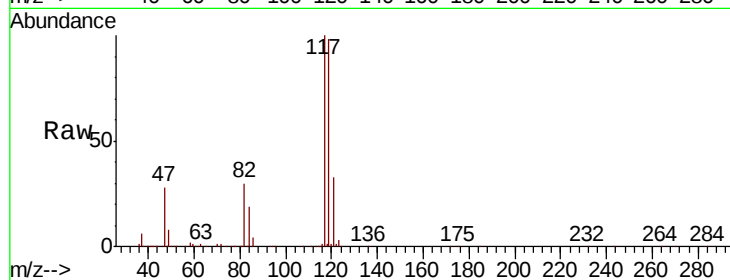
Tot Ion:117 Resp: 1638338

Ion Ratio Lower Upper

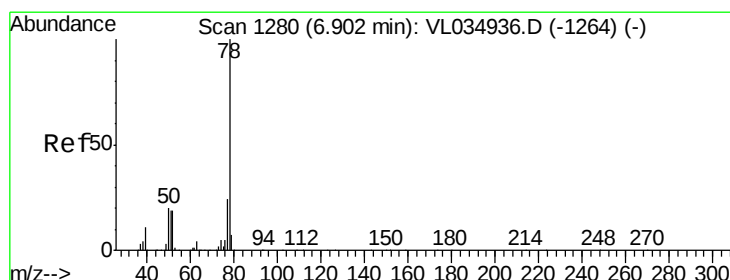
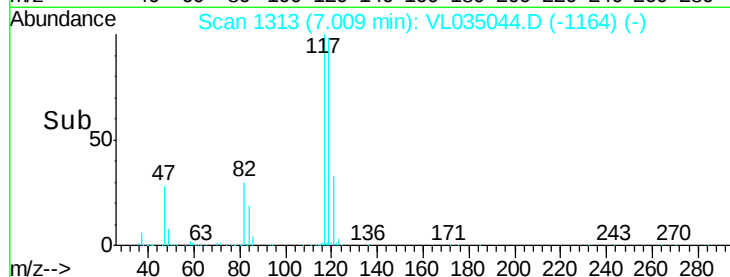
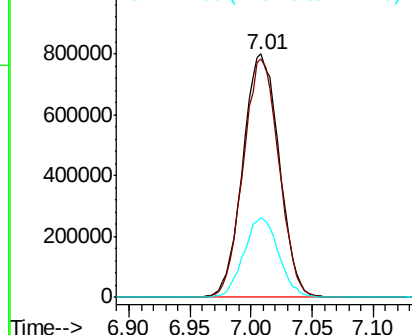
117 100

119 97.9 77.0 115.6

121 33.0 23.0 34.6



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



#36

Benzene

Concen: 9.659 ppbv

RT: 6.88 min Scan# 1273

Delta R.T. -0.02 min

Lab File: VL035044.D

Acq: 19 May 2020 14:22

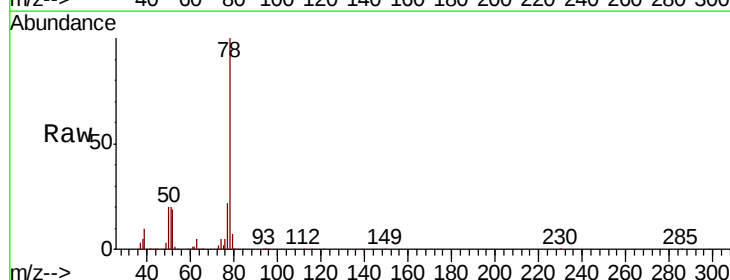
Tgt Ion: 78 Resp: 2163121

Ion Ratio Lower Upper

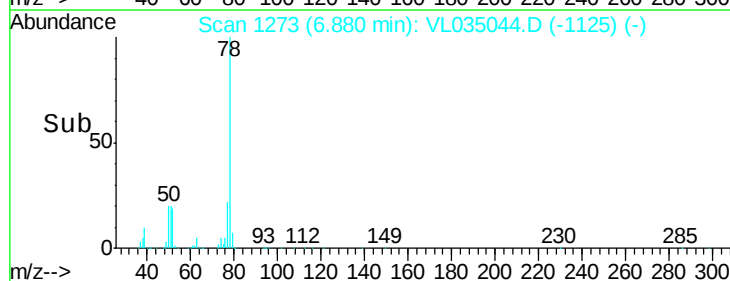
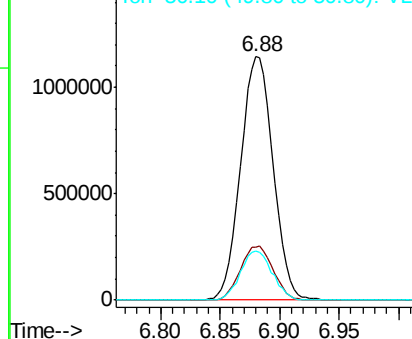
78 100

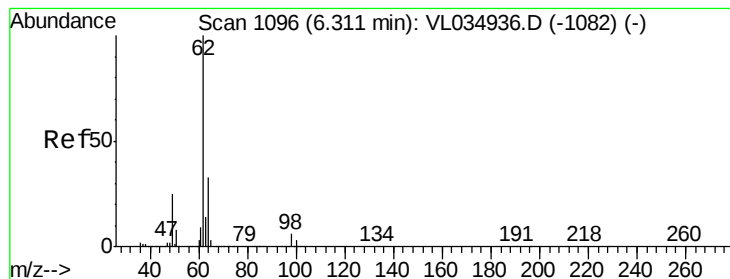
77 21.5 19.0 28.6

50 20.3 15.8 23.8



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: 9.468 ppbv

RT: 6.29 min Scan# 1090

Delta R.T. -0.02 min

Lab File: VL035044.D

Acq: 19 May 2020 14:22

Instrument :

MSVOA_L

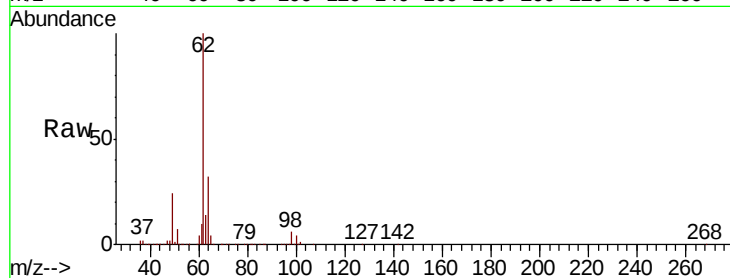
ClientSampleId :

Tot Ion: 62 Resp: 1308025

Ion Ratio Lower Upper

62 100

98 5.8 4.8 7.2



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

6.29

800000

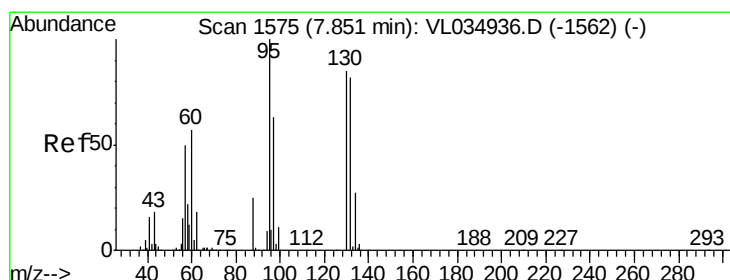
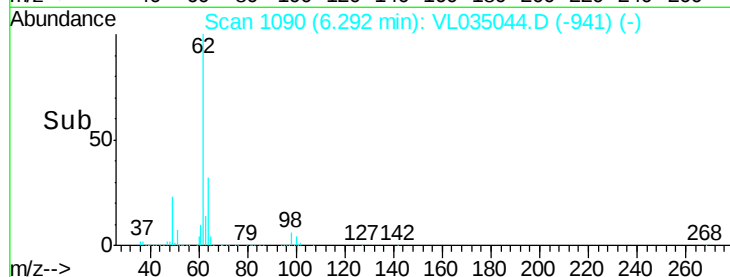
600000

400000

200000

0

Time-->



#38

Trichloroethene

Concen: 9.336 ppbv

RT: 7.83 min Scan# 1569

Delta R.T. -0.02 min

Lab File: VL035044.D

Acq: 19 May 2020 14:22

Tgt Ion:130 Resp: 809958

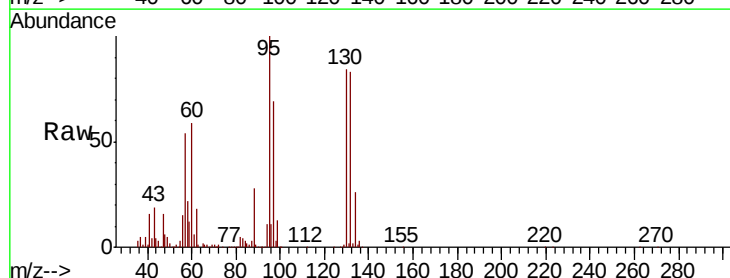
Ion Ratio Lower Upper

130 100

95 119.5 93.4 140.0

132 99.0 76.4 114.6

97 82.4 58.5 87.7



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

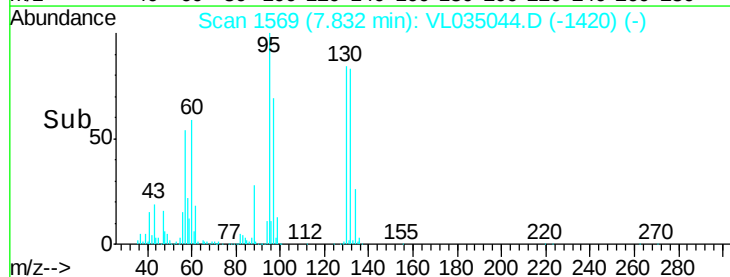
600000

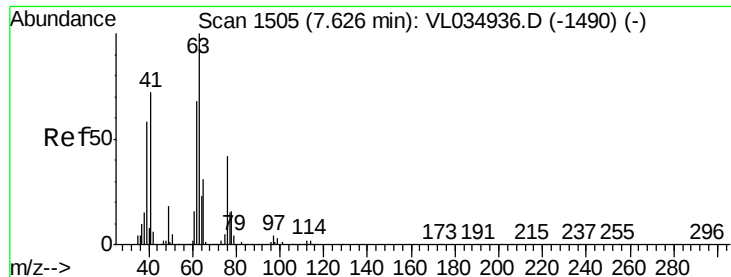
400000

200000

0

Time-->

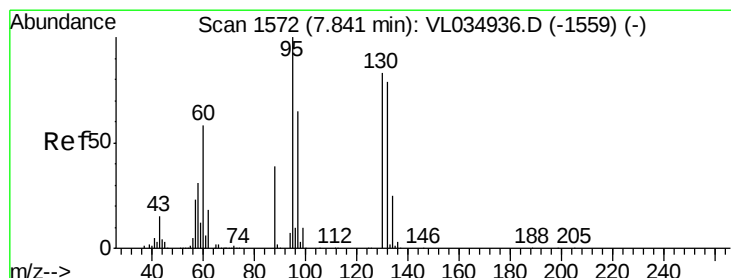
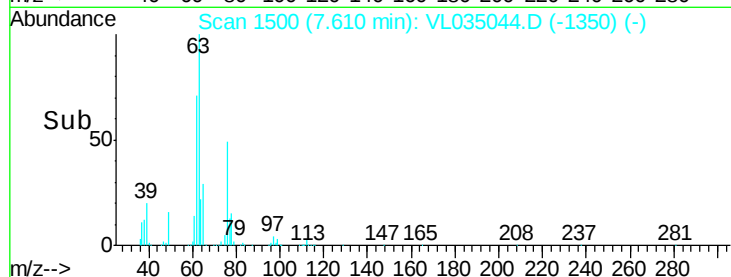
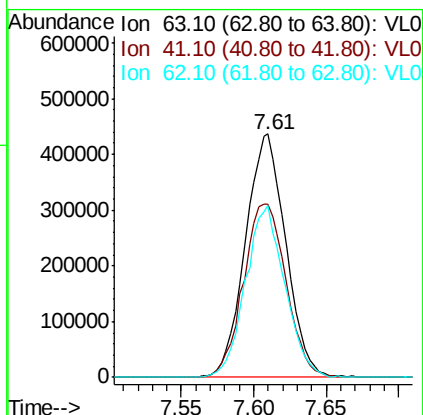
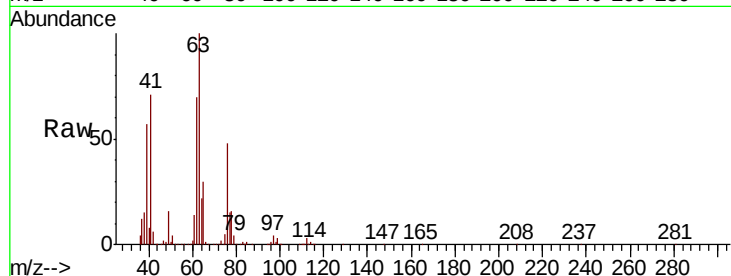




#39
 1,2-Dichloropropane
 Concen: 9.420 ppbv
 RT: 7.61 min Scan# 1500
 Delta R.T. -0.02 min
 Lab File: VL035044.D
 Acq: 19 May 2020 14:22

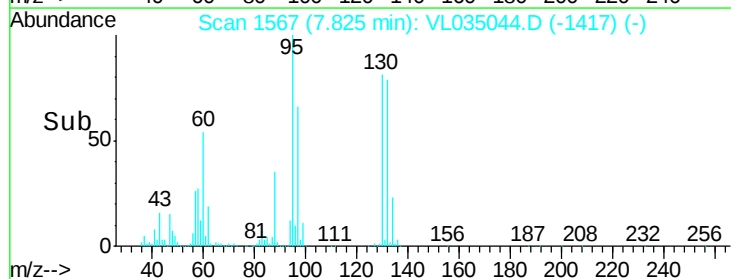
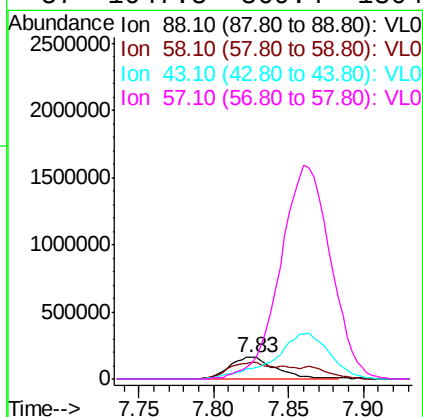
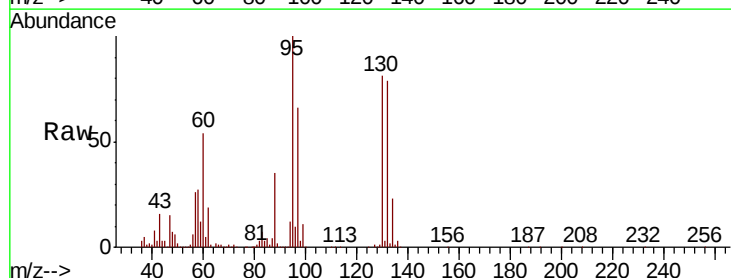
Instrument :
 MSVOA_L
 ClientSampleId :

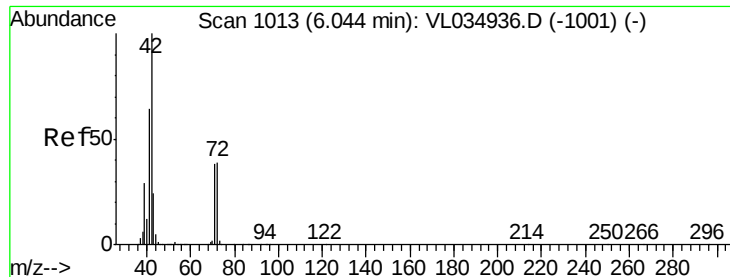
Tot Ion	Ratio	Lower	Upper
63	100		
41	71.0	57.8	86.8
62	70.4	54.2	81.2



#40
 1,4-Dioxane
 Concen: 9.762 ppbv
 RT: 7.83 min Scan# 1567
 Delta R.T. -0.02 min
 Lab File: VL035044.D
 Acq: 19 May 2020 14:22

Tgt Ion	Ratio	Lower	Upper
88	100		
58	125.8	105.1	157.7
43	246.3	202.6	303.8
57	1047.8	869.4	1304.0





#41

Tetrahydrofuran

Concen: 10.008 ppbv

RT: 6.02 min Scan# 1007

Delta R.T. -0.02 min

Lab File: VL035044.D

Acq: 19 May 2020 14:22

Instrument :

MSVOA_L

ClientSampleId :

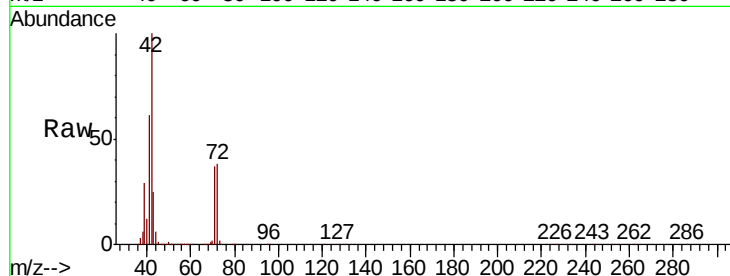
Tot Ion: 42 Resp: 889524

Ion Ratio Lower Upper

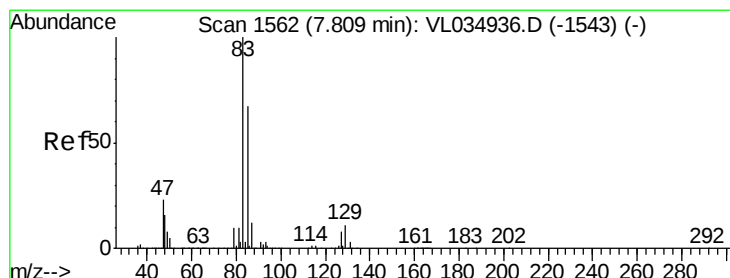
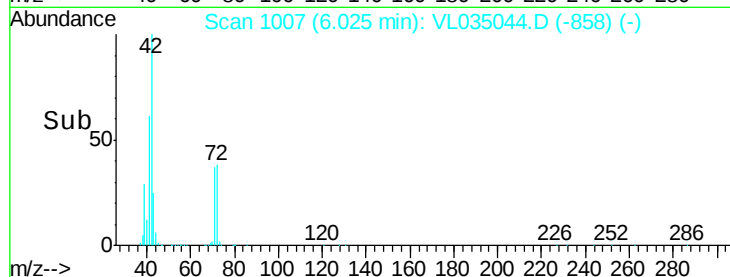
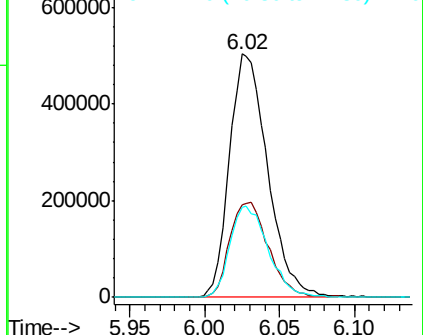
42 100

72 40.1 31.4 47.0

71 37.8 29.8 44.8



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: 9.535 ppbv

RT: 7.79 min Scan# 1556

Delta R.T. -0.02 min

Lab File: VL035044.D

Acq: 19 May 2020 14:22

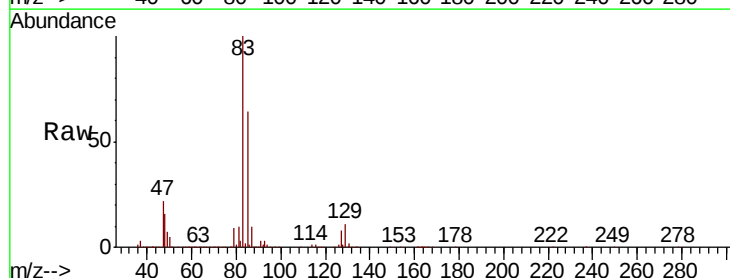
Tgt Ion: 83 Resp: 1776481

Ion Ratio Lower Upper

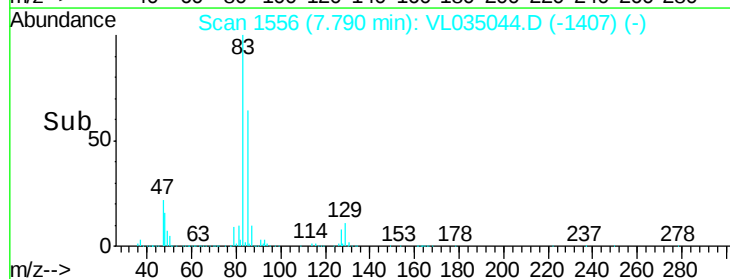
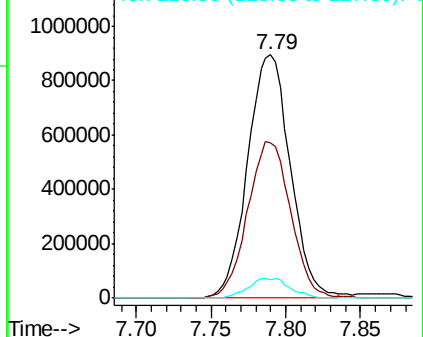
83 100

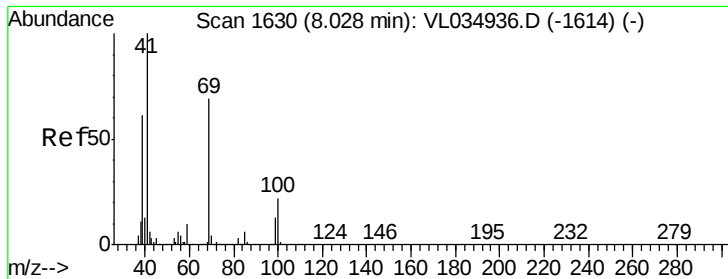
85 63.9 53.4 80.0

127 7.8 6.1 9.1



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

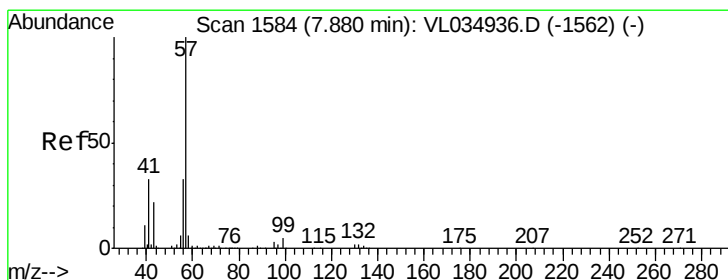
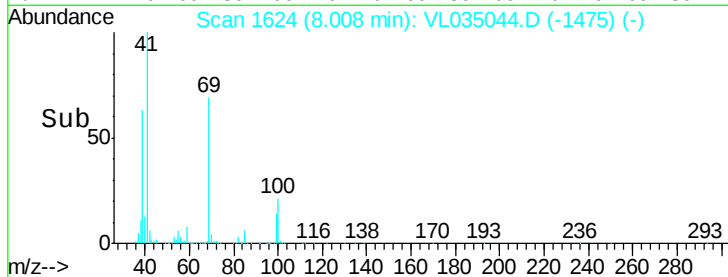
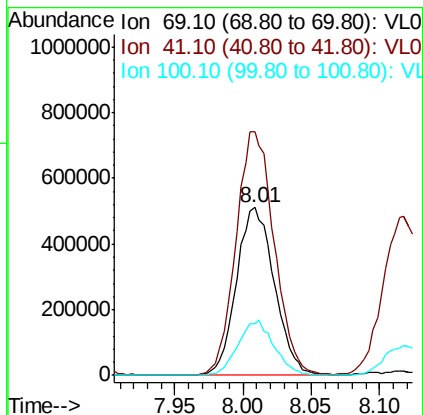
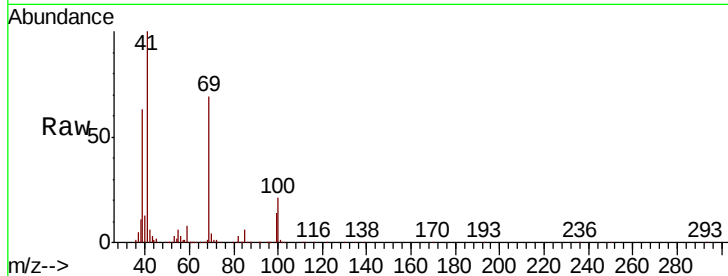




#43
Methvl Methacrilate
Concen: 10.477 ppbv
RT: 8.01 min Scan# 1624
Delta R.T. -0.02 min
Lab File: VL035044.D
Acq: 19 May 2020 14:22

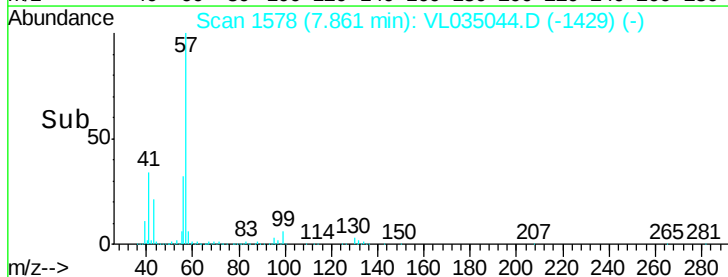
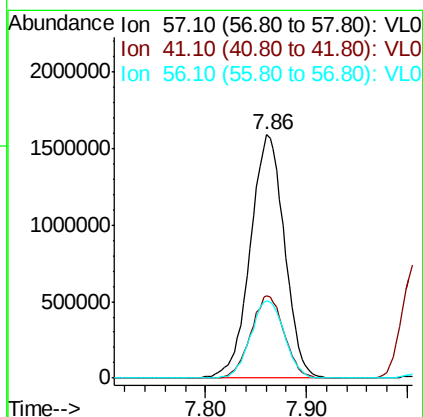
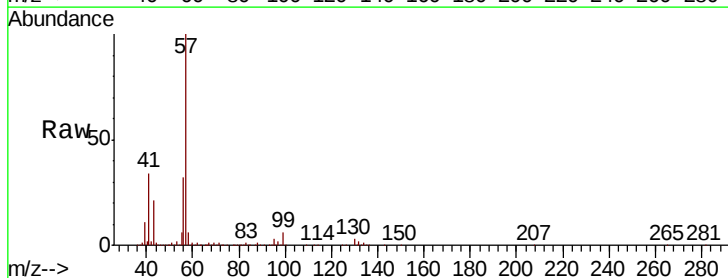
Instrument :
MSVOA_L
ClientSampleId :

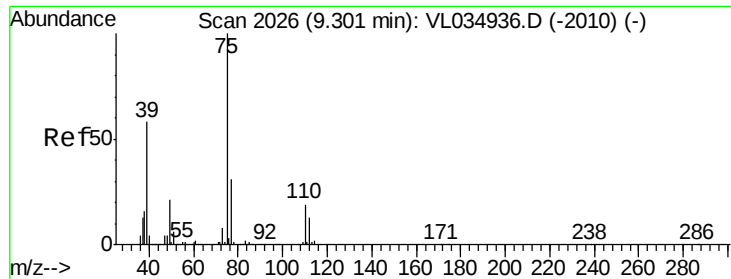
Tot Ion: 69 Resp: 990794
Ion Ratio Lower Upper
69 100
41 145.3 119.8 179.6
100 31.0 25.0 37.6



#44
2,2,4-Trimethylpentane
Concen: 9.364 ppbv
RT: 7.86 min Scan# 1578
Delta R.T. -0.02 min
Lab File: VL035044.D
Acq: 19 May 2020 14:22

Tgt Ion: 57 Resp: 3728457
Ion Ratio Lower Upper
57 100
41 32.9 26.4 39.6
56 31.4 25.5 38.3

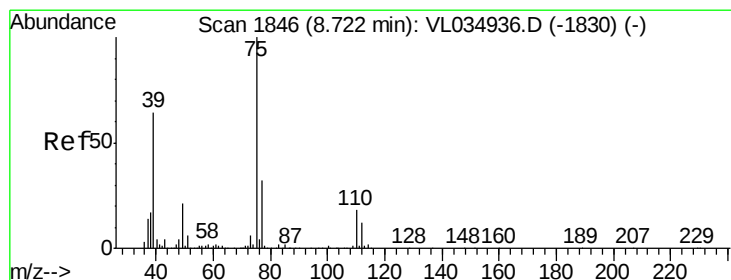
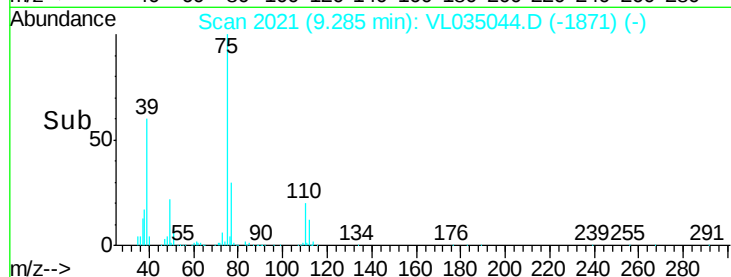
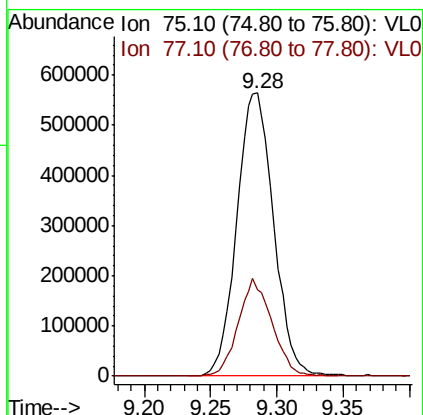
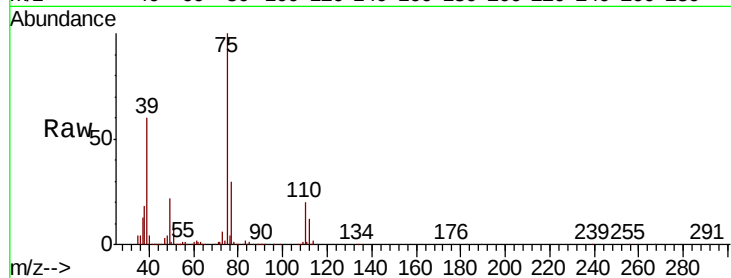




#45
t-1,3-Dichloropropene
Concen: 11.379 ppbv
RT: 9.28 min Scan# 2021
Delta R.T. -0.02 min
Lab File: VL035044.D
Acq: 19 May 2020 14:22

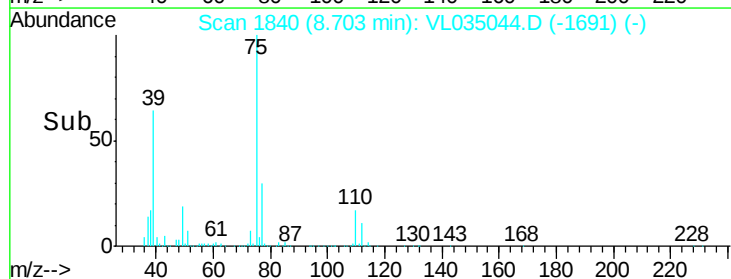
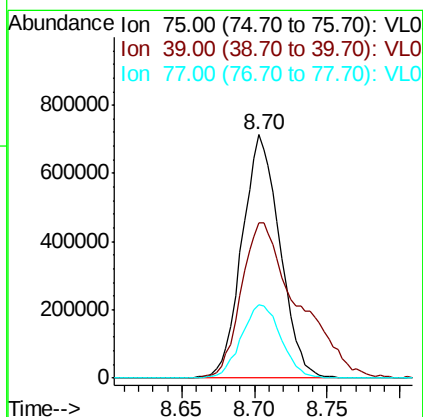
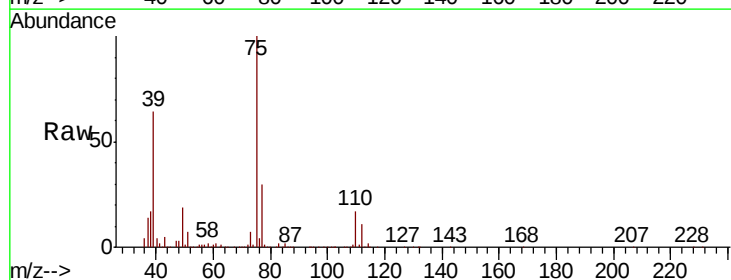
Instrument :
MSVOA_L
ClientSampled :

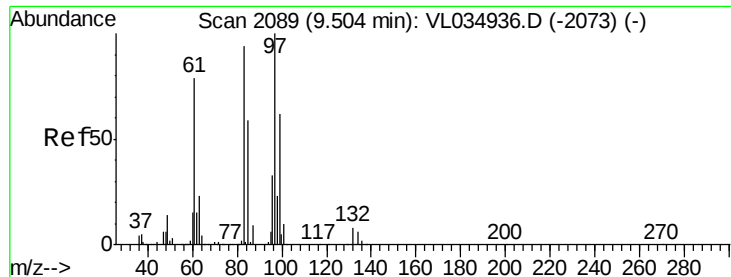
Tot Ion: 75 Resp: 1085891
Ion Ratio Lower Upper
75 100
77 30.3 24.9 37.3



#46
cis-1,3-Dichloropropene
Concen: 11.058 ppbv
RT: 8.70 min Scan# 1840
Delta R.T. -0.02 min
Lab File: VL035044.D
Acq: 19 May 2020 14:22

Tgt Ion: 75 Resp: 1295685
Ion Ratio Lower Upper
75 100
39 63.5 51.5 77.3
77 30.3 25.5 38.3

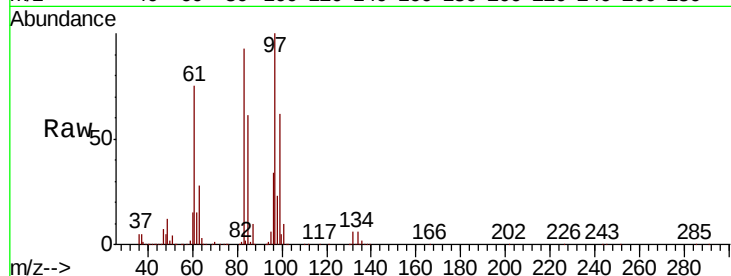




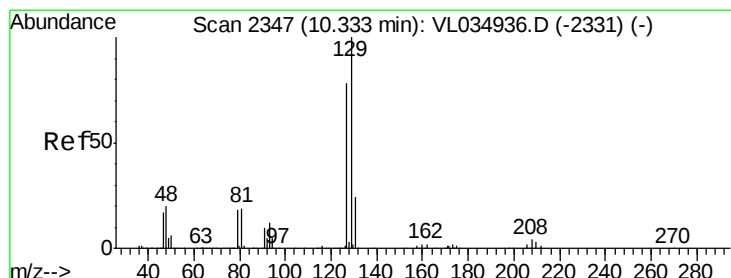
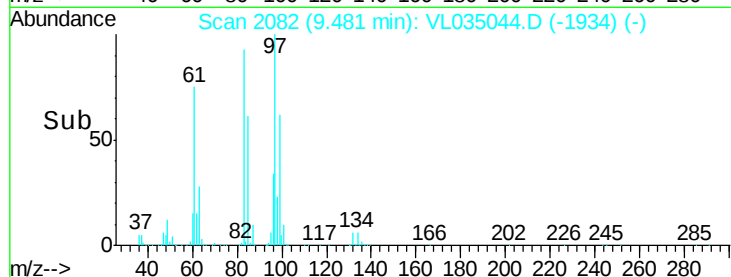
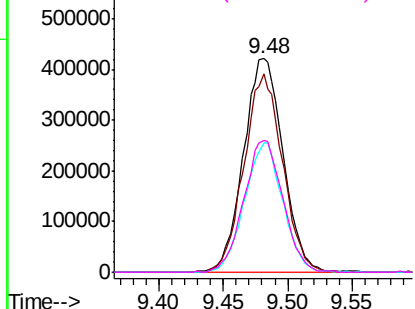
#47
 1,1,2-Trichloroethane
 Concen: 9.492 ppbv
 RT: 9.48 min Scan# 2082
 Delta R.T. -0.02 min
 Lab File: VL035044.D
 Acq: 19 May 2020 14:22

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 97 Resp: 899275
 Ion Ratio Lower Upper
 97 100
 83 92.6 75.6 113.4
 85 60.7 47.0 70.6
 99 61.7 49.4 74.2

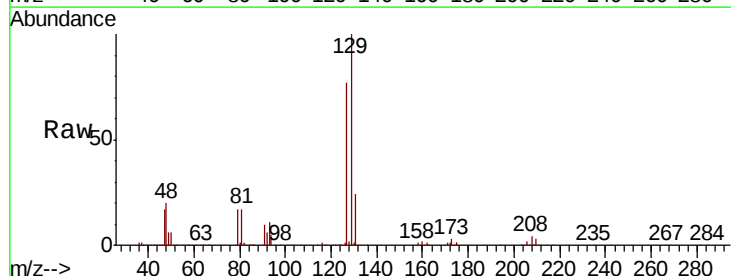


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

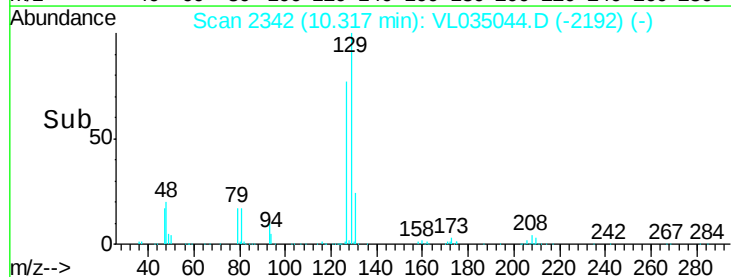
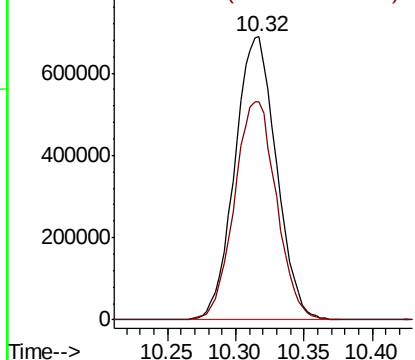


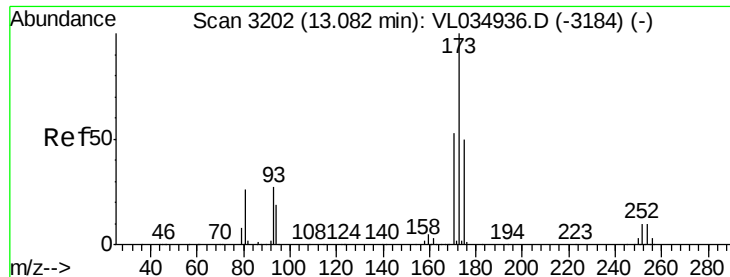
#48
 Dibromochloromethane
 Concen: 9.998 ppbv
 RT: 10.32 min Scan# 2342
 Delta R.T. -0.02 min
 Lab File: VL035044.D
 Acq: 19 May 2020 14:22

Tgt Ion: 129 Resp: 1456592
 Ion Ratio Lower Upper
 129 100
 127 78.2 39.1 117.2



Abundance Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 10.045 ppbv

RT: 13.06 min Scan# 3195

Delta R.T. -0.02 min

Lab File: VL035044.D

Acq: 19 May 2020 14:22

Instrument :

MSVOA_L

ClientSampleId :

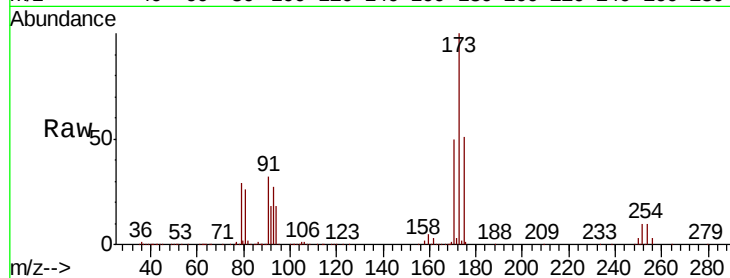
Tot Ion:173 Resp: 1259219

Ion Ratio Lower Upper

173 100

175 49.6 39.0 58.6

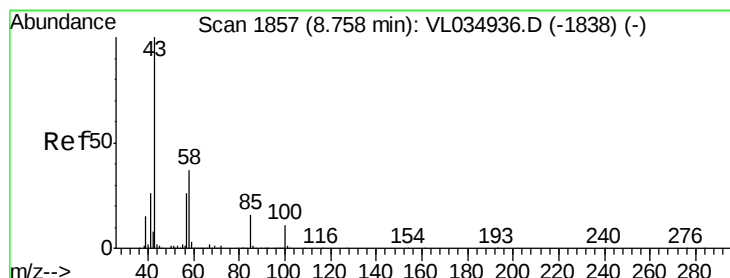
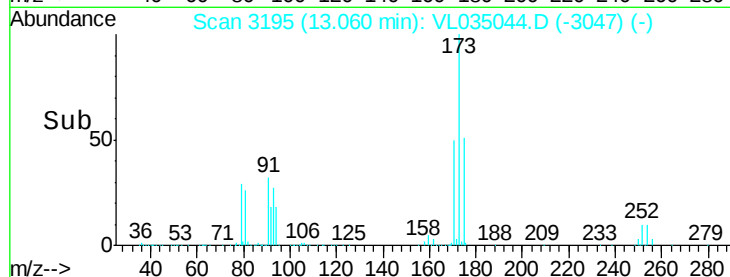
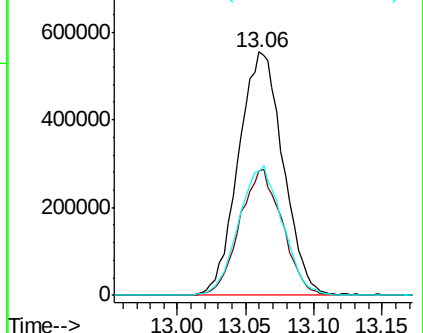
171 52.2 41.4 62.2



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: 9.840 ppbv

RT: 8.74 min Scan# 1851

Delta R.T. -0.02 min

Lab File: VL035044.D

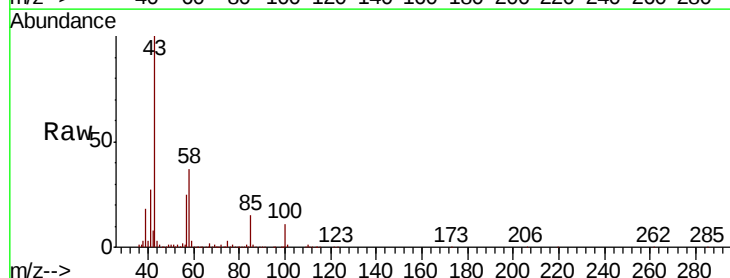
Acq: 19 May 2020 14:22

Tgt Ion: 43 Resp: 2369008

Ion Ratio Lower Upper

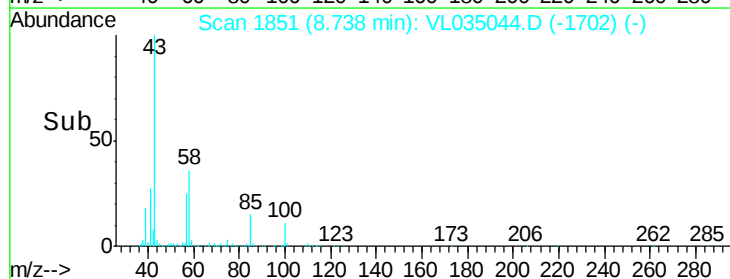
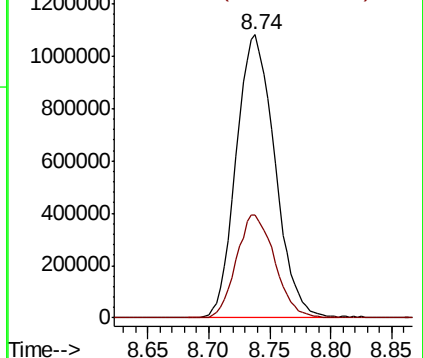
43 100

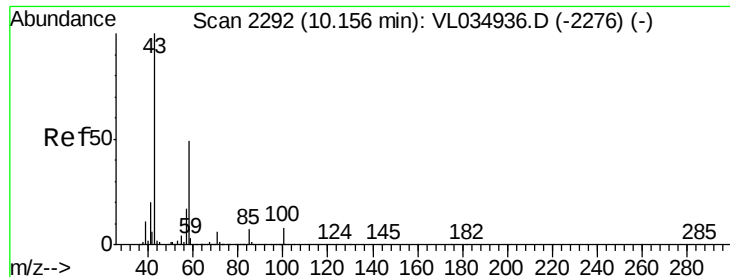
58 36.2 29.1 43.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 10.320 ppbv

RT: 10.13 min Scan# 2285

Delta R.T. -0.02 min

Lab File: VL035044.D

Acq: 19 May 2020 14:22

Instrument :

MSVOA_L

ClientSampleId :

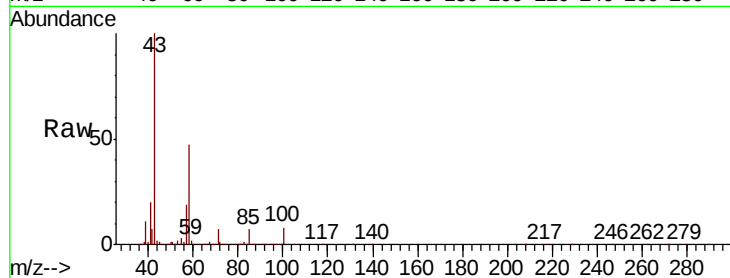
Tot Ion: 43 Resp: 1943190

Ion Ratio Lower Upper

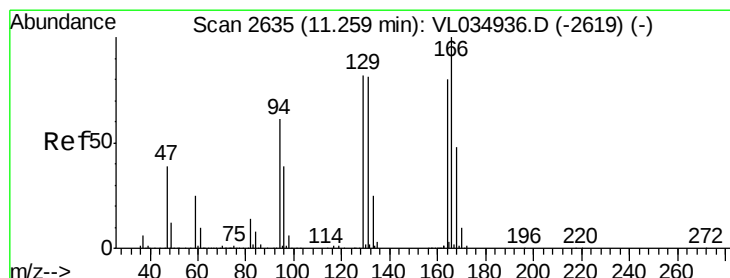
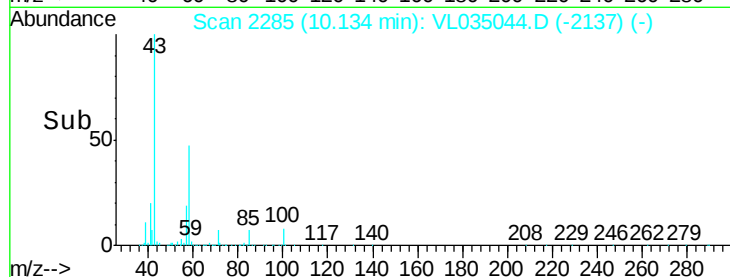
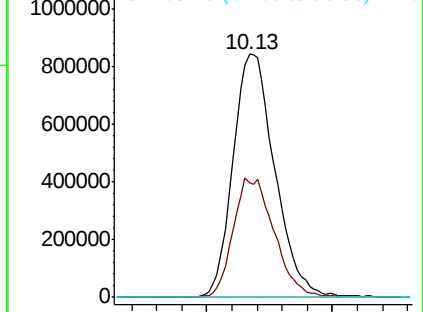
43 100

58 48.5 39.1 58.7

98 0.3 0.3 0.5



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: 9.388 ppbv

RT: 11.23 min Scan# 2627

Delta R.T. -0.03 min

Lab File: VL035044.D

Acq: 19 May 2020 14:22

Tgt Ion: 164 Resp: 747624

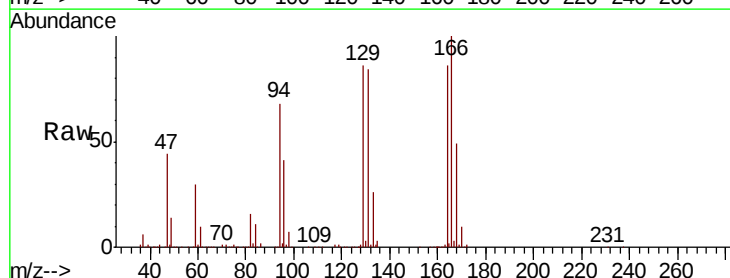
Ion Ratio Lower Upper

164 100

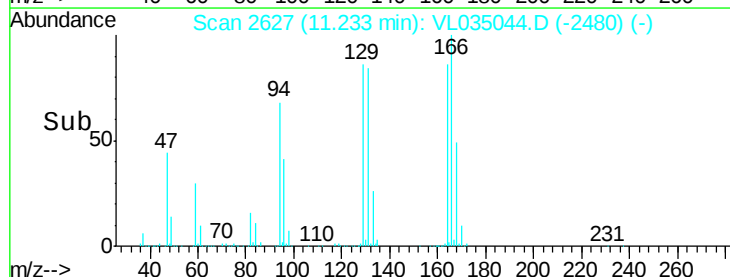
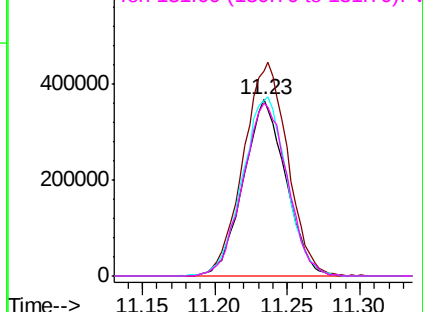
166 115.9 100.7 151.1

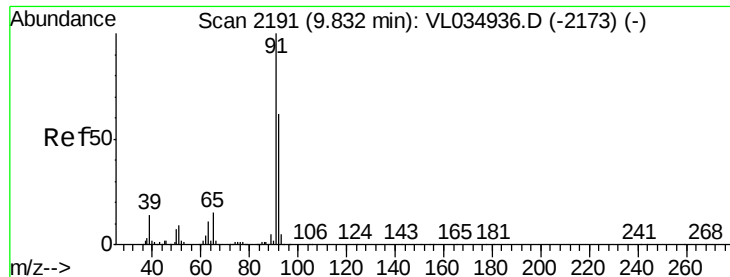
129 99.1 83.0 124.4

131 97.6 81.0 121.4



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: 10.427 ppbv

RT: 9.81 min Scan# 2185

Delta R.T. -0.02 min

Lab File: VL035044.D

Acq: 19 May 2020 14:22

Instrument :

MSVOA_L

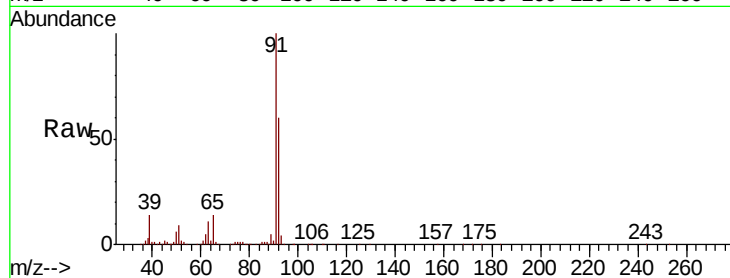
ClientSampleId :

Tot Ion: 91 Resp: 2475536

Ion Ratio Lower Upper

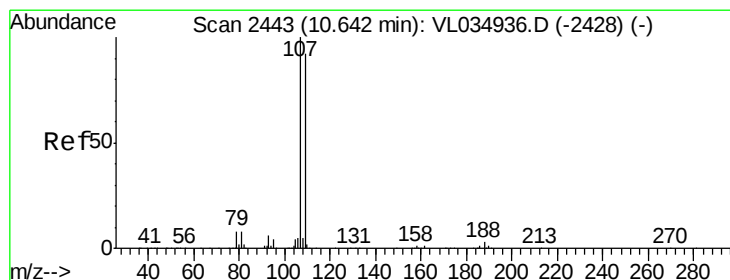
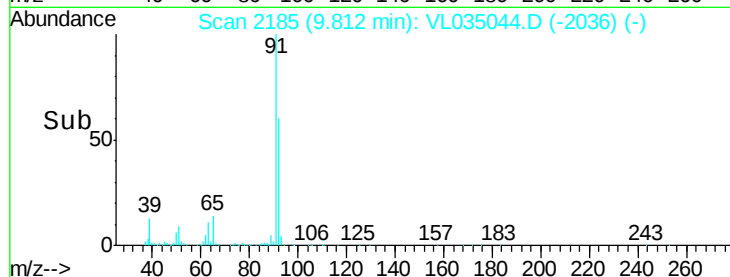
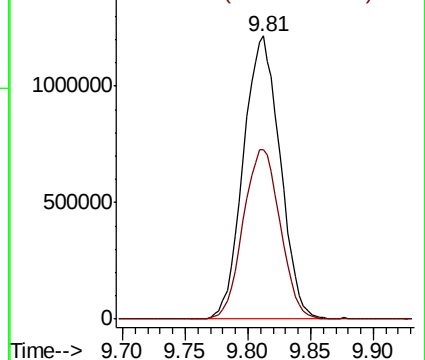
91 100

92 60.4 48.6 73.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 9.653 ppbv

RT: 10.62 min Scan# 2436

Delta R.T. -0.02 min

Lab File: VL035044.D

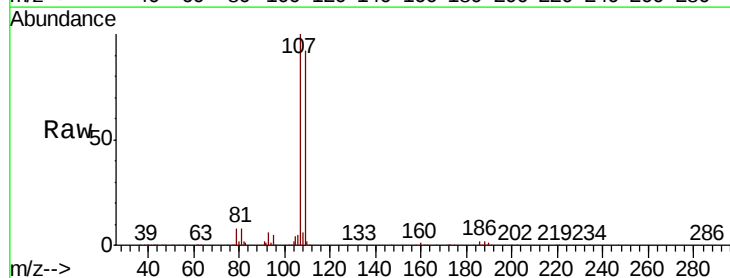
Acq: 19 May 2020 14:22

Tgt Ion:107 Resp: 1343011

Ion Ratio Lower Upper

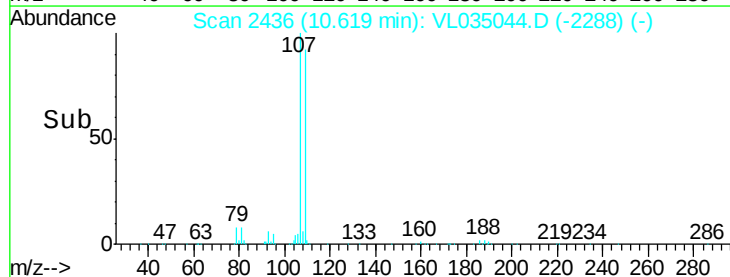
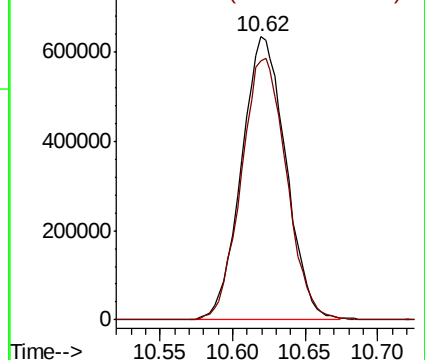
107 100

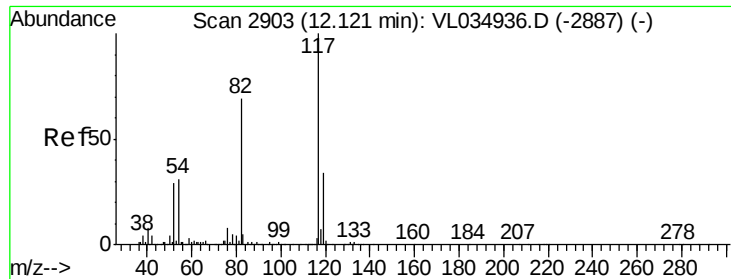
109 91.7 73.2 109.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

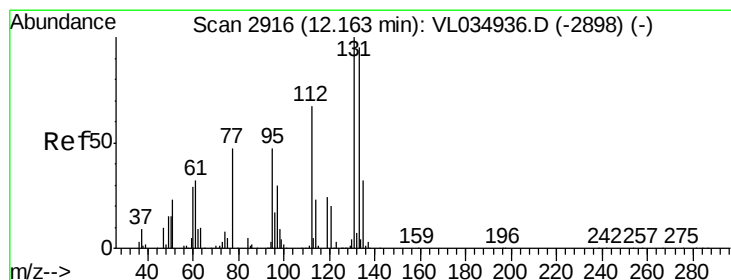
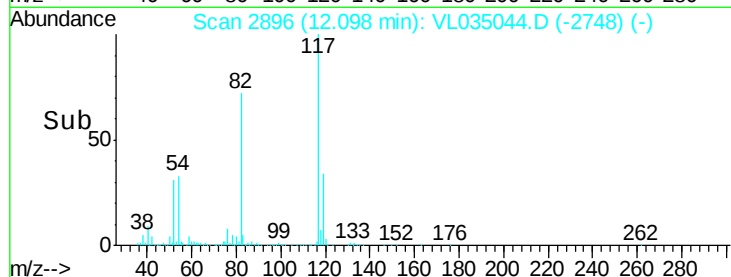
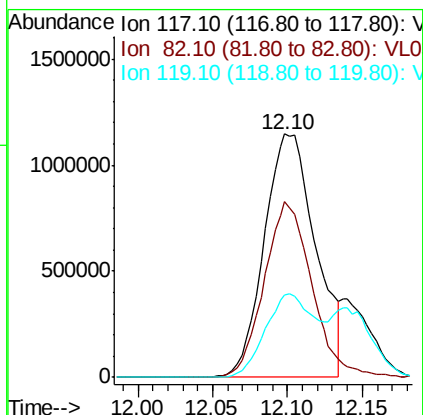
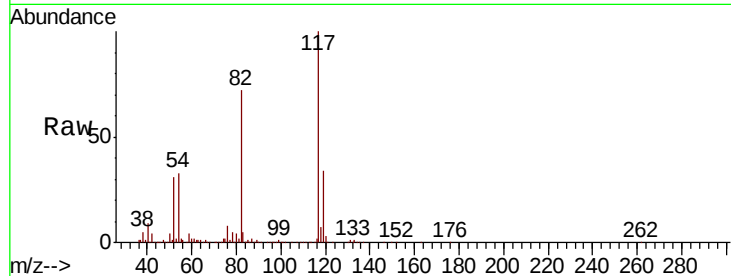




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2896
Delta R.T. -0.02 min
Lab File: VL035044.D
Acq: 19 May 2020 14:22

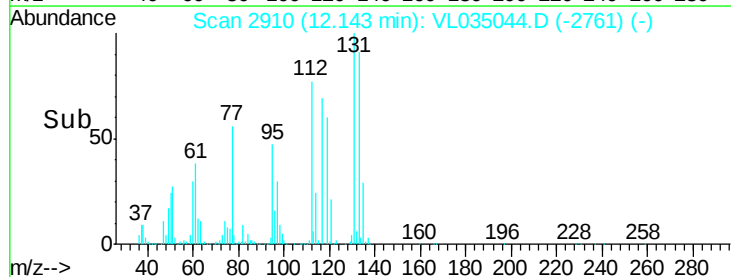
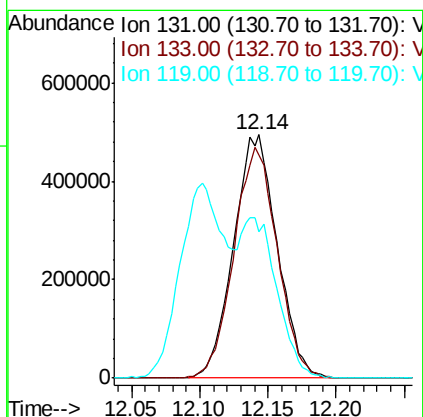
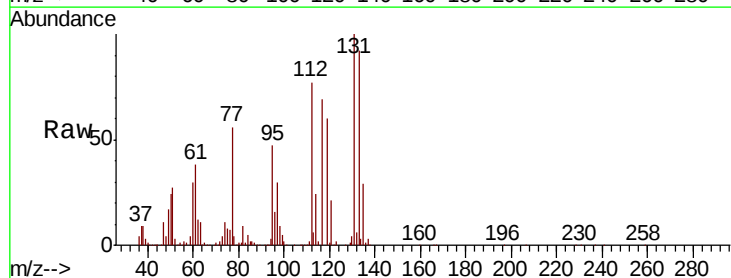
Instrument :
MSVOA_L
ClientSampleId :

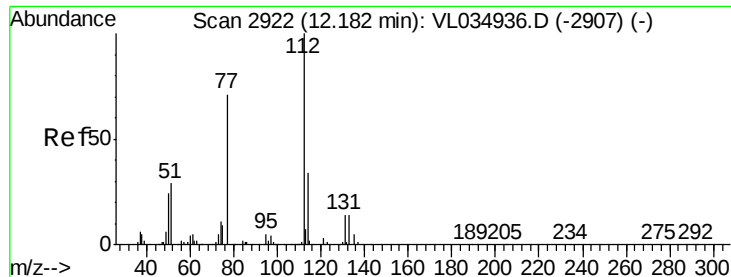
Tot Ion:117 Resp: 2743005
Ion Ratio Lower Upper
117 100
82 66.9 53.1 79.7
119 31.0 26.7 40.1



#56
1,1,1,2-Tetrachloroethane
Concen: 8.827 ppbv
RT: 12.14 min Scan# 2910
Delta R.T. -0.02 min
Lab File: VL035044.D
Acq: 19 May 2020 14:22

Tgt Ion:131 Resp: 1091941
Ion Ratio Lower Upper
131 100
133 95.1 77.7 116.5
119 58.3 49.8 74.6





#57

Chlorobenzene

Concen: 8.655 ppbv

RT: 12.16 min Scan# 2916

Delta R.T. -0.02 min

Lab File: VL035044.D

Acq: 19 May 2020 14:22

Instrument :

MSVOA_L

ClientSampleId :

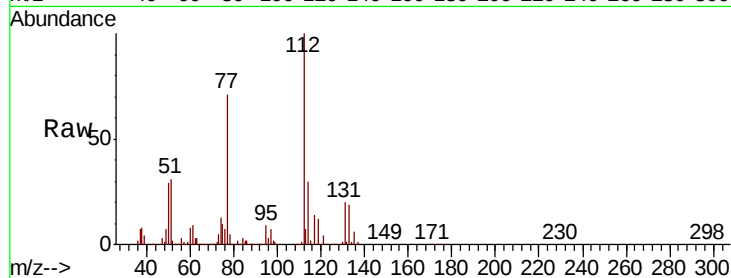
Tot Ion:112 Resp: 1880909

Ion Ratio Lower Upper

112 100

77 70.7 57.0 85.6

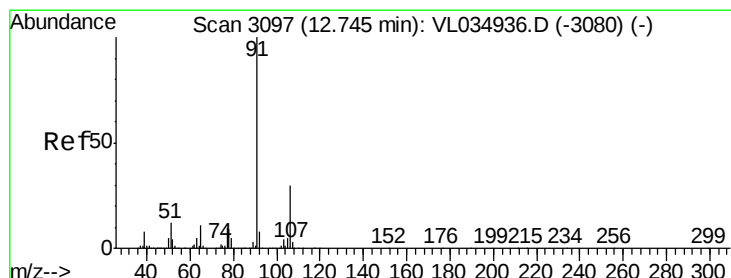
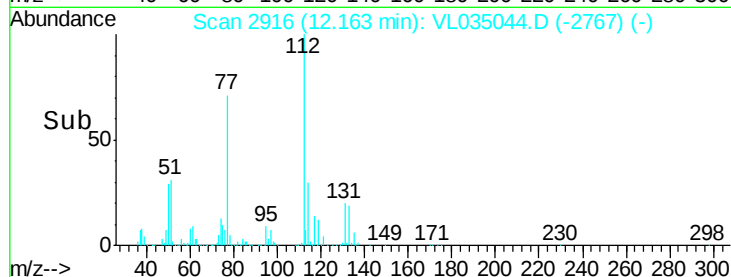
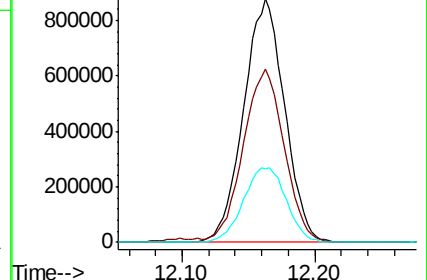
114 29.8 30.8 37.6#



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: 9.744 ppbv

RT: 12.73 min Scan# 3091

Delta R.T. -0.02 min

Lab File: VL035044.D

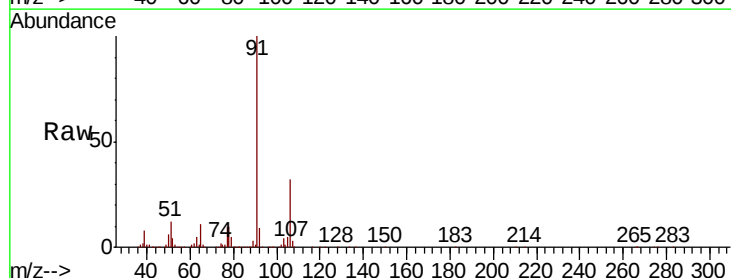
Acq: 19 May 2020 14:22

Tgt Ion: 91 Resp: 3305000

Ion Ratio Lower Upper

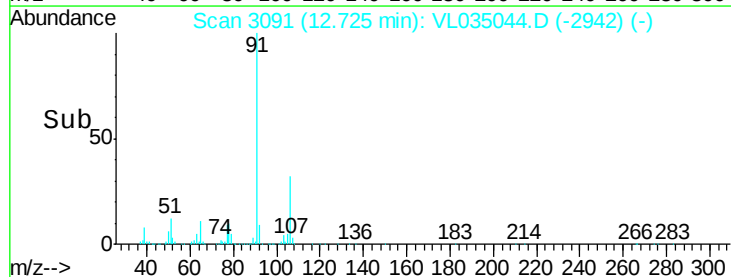
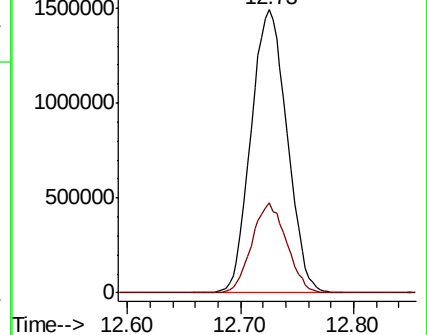
91 100

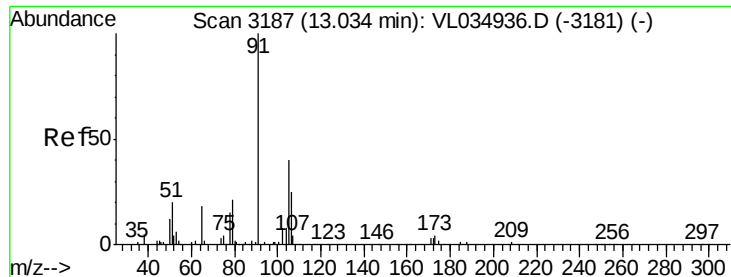
106 32.0 24.2 36.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

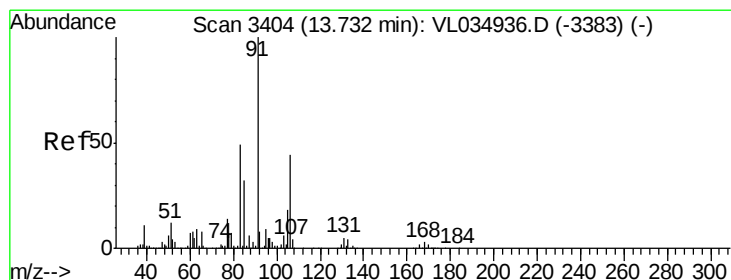
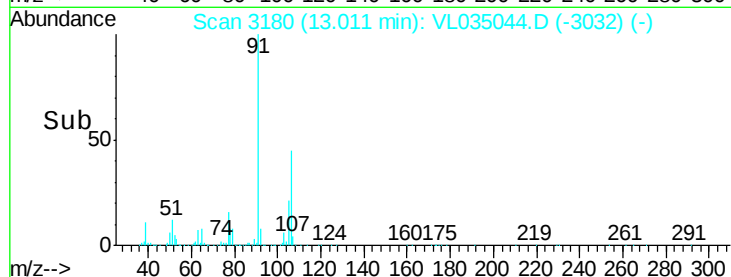
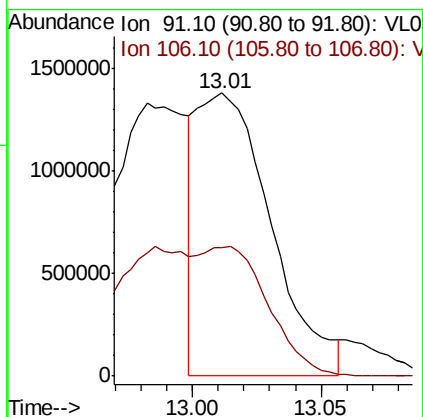
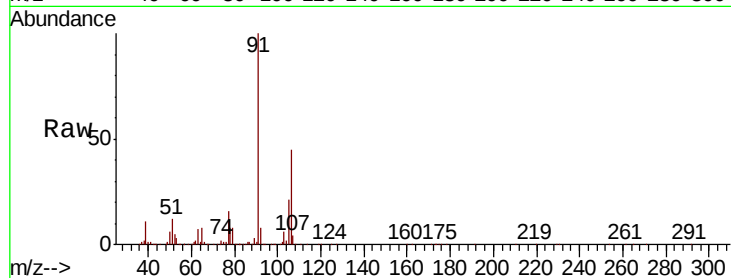




#59
m/p-Xylene
Concen: 9.178 ppbv
RT: 13.01 min Scan# 3180
Delta R.T. -0.02 min
Lab File: VL035044.D
Acq: 19 May 2020 14:22

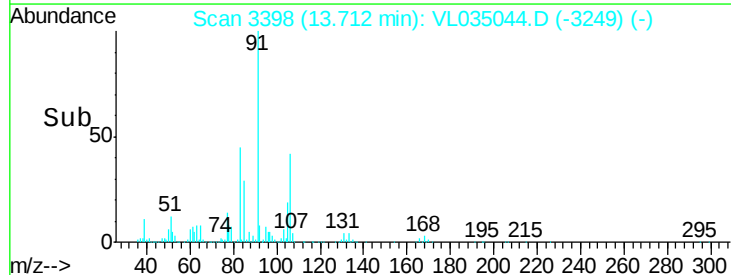
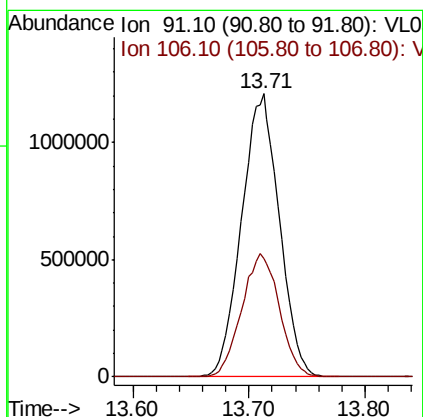
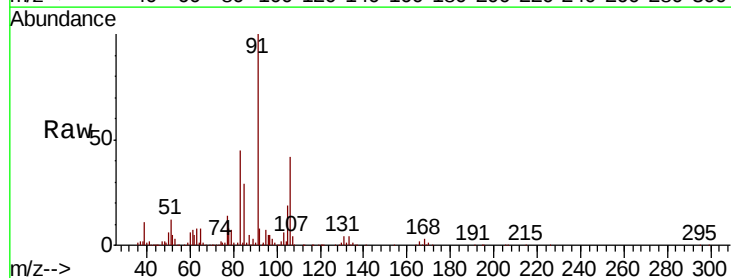
Instrument :
MSVOA_L
ClientSampleId :

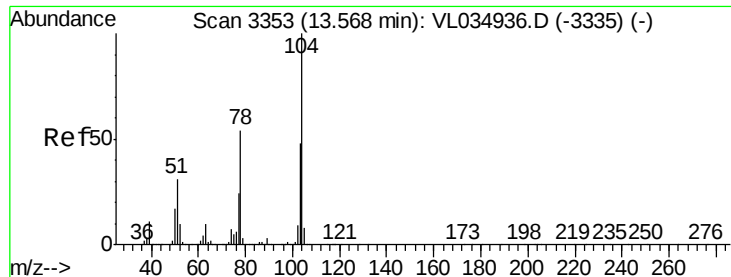
Tot Ion: 91 Resp: 2738942
Ion Ratio Lower Upper
91 100
106 90.9 66.0 99.0



#60
o-Xylene
Concen: 9.265 ppbv
RT: 13.71 min Scan# 3398
Delta R.T. -0.02 min
Lab File: VL035044.D
Acq: 19 May 2020 14:22

Tgt Ion: 91 Resp: 2728377
Ion Ratio Lower Upper
91 100
106 43.5 21.9 65.5





#61

Stvrene

Concen: 10.408 ppbv

RT: 13.54 min Scan# 3345

Delta R.T. -0.03 min

Lab File: VL035044.D

Acq: 19 May 2020 14:22

Instrument :

MSVOA_L

ClientSampleId :

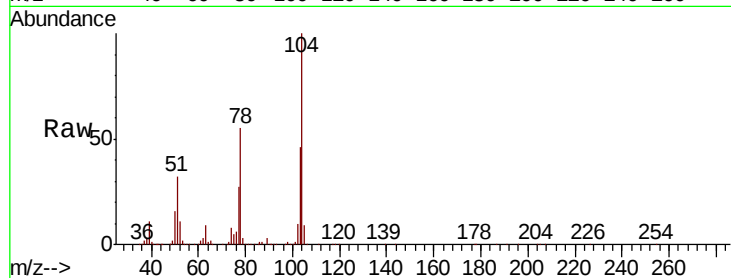
Tot Ion:104 Resp: 1939767

Ion Ratio Lower Upper

104 100

78 55.4 43.7 65.5

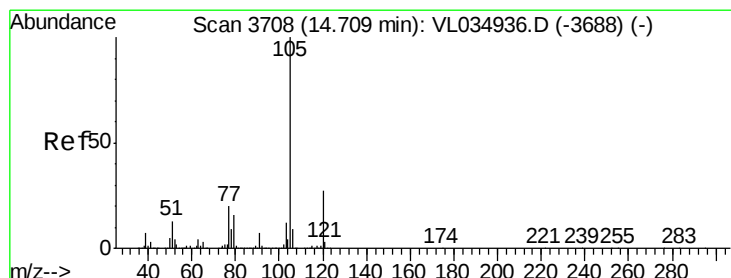
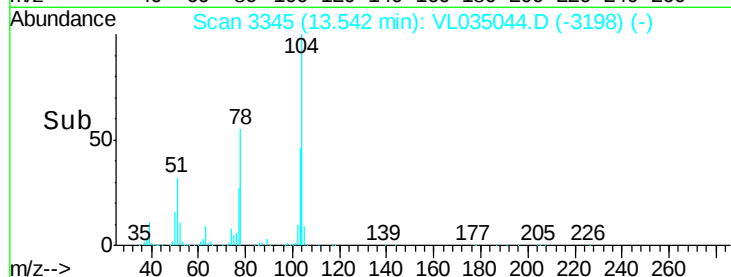
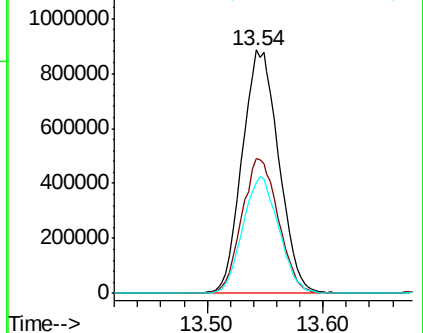
103 47.4 38.8 58.2



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: 9.012 ppbv

RT: 14.69 min Scan# 3701

Delta R.T. -0.02 min

Lab File: VL035044.D

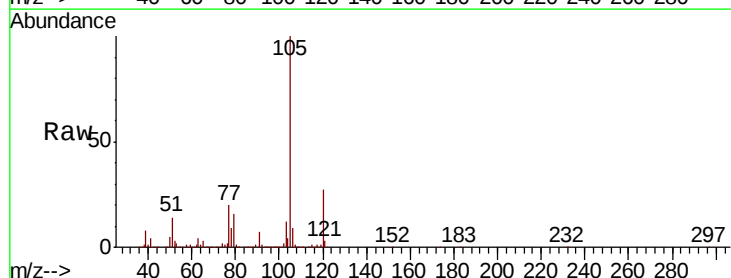
Acq: 19 May 2020 14:22

Tgt Ion:105 Resp: 3962308

Ion Ratio Lower Upper

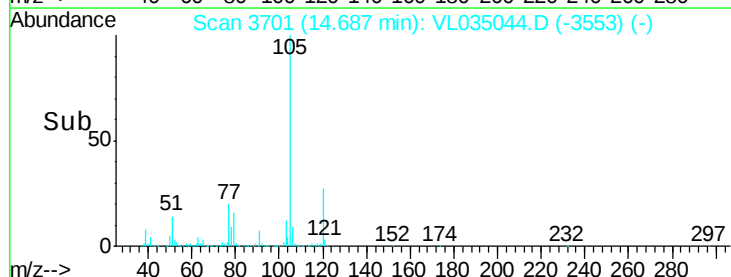
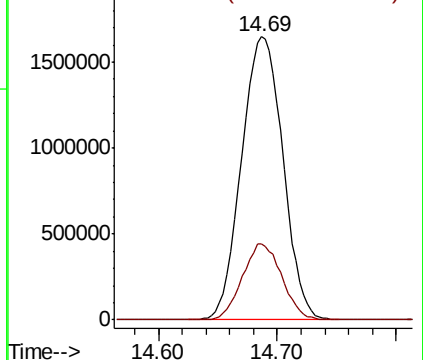
105 100

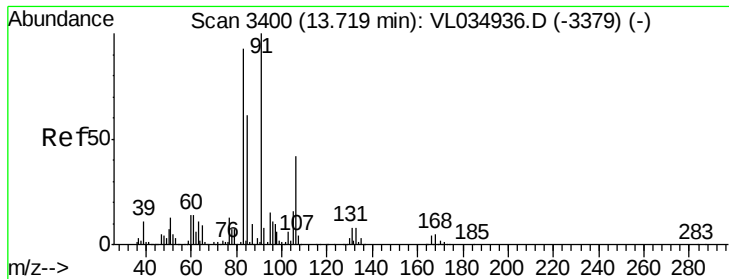
120 25.8 20.6 31.0



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: 8.381 ppbv

RT: 13.70 min Scan# 3393

Delta R.T. -0.02 min

Lab File: VL035044.D

Acq: 19 May 2020 14:22

Instrument :

MSVOA_L

ClientSampleId :

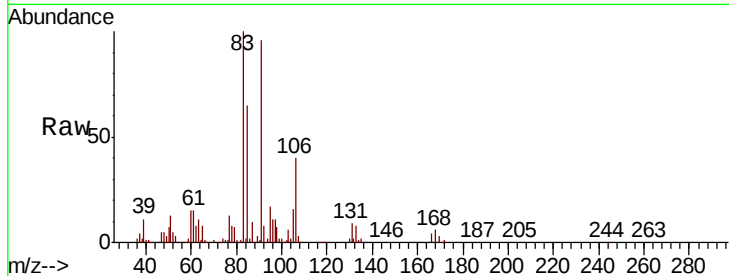
Tot Ion: 83 Resp: 1942748

Ion Ratio Lower Upper

83 100

131 9.0 4.7 14.0

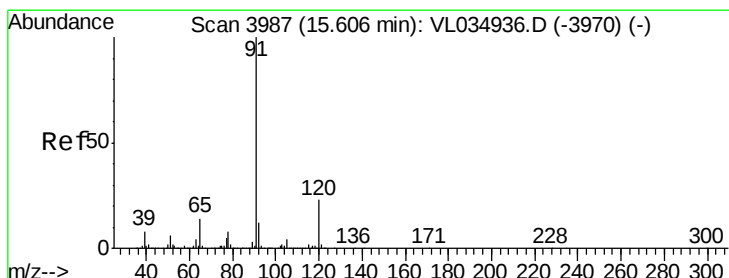
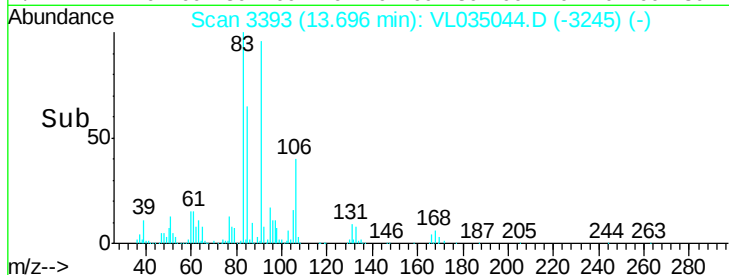
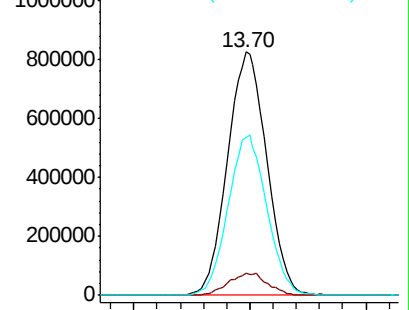
85 65.1 32.5 97.4



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 9.314 ppbv

RT: 15.58 min Scan# 3980

Delta R.T. -0.02 min

Lab File: VL035044.D

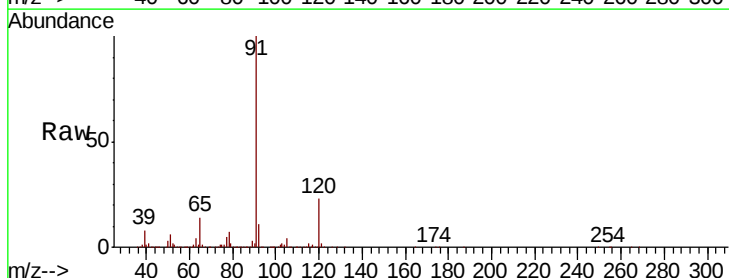
Acq: 19 May 2020 14:22

Tgt Ion:120 Resp: 1050396

Ion Ratio Lower Upper

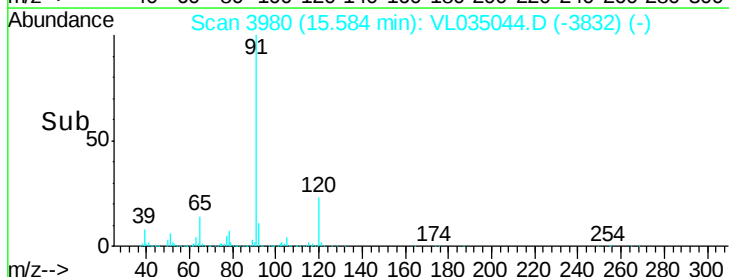
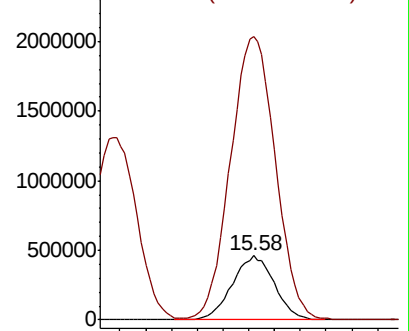
120 100

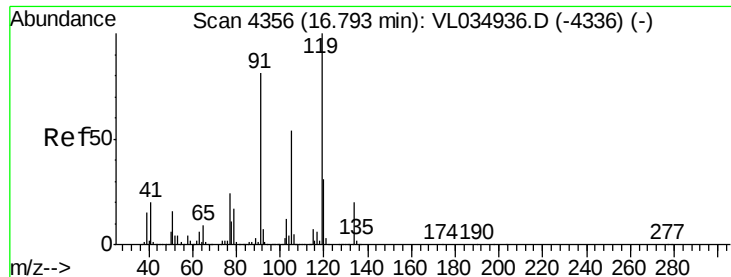
91 470.1 373.5 560.3



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0

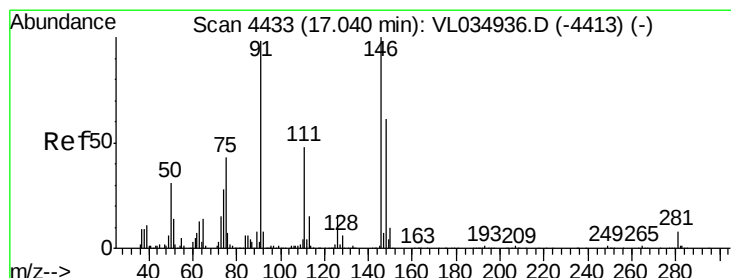
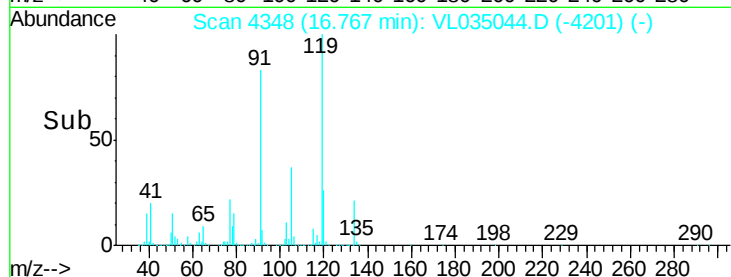
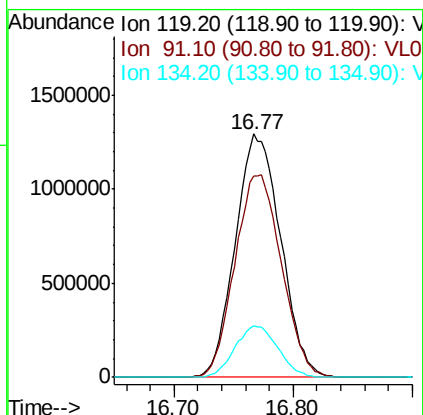
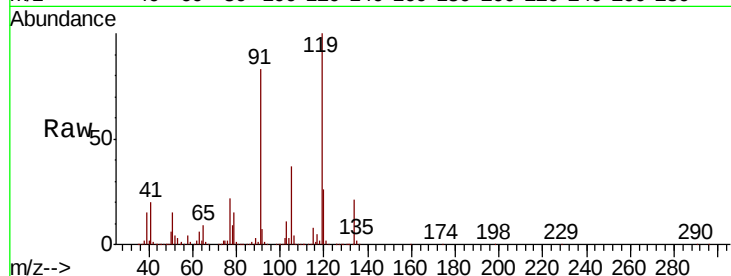




#65
 tert-Butylbenzene
 Concen: 8.955 ppbv
 RT: 16.77 min Scan# 4348
 Delta R.T. -0.03 min
 Lab File: VL035044.D
 Acq: 19 May 2020 14:22

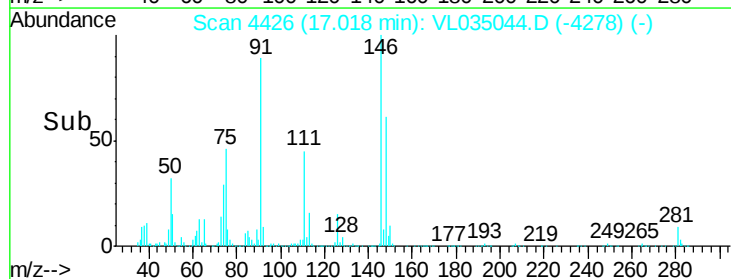
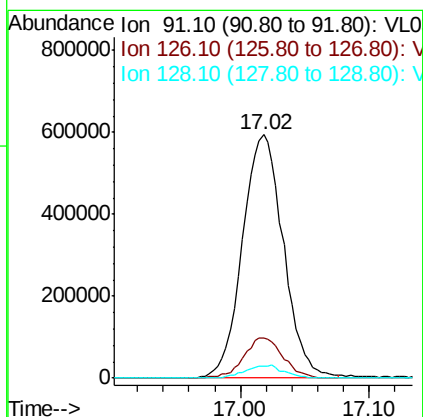
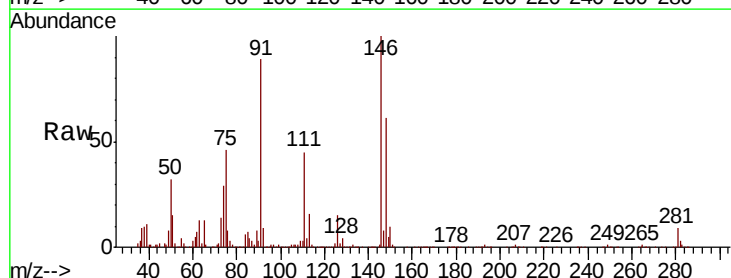
Instrument :
 MSVOA_L
 ClientSampleId :

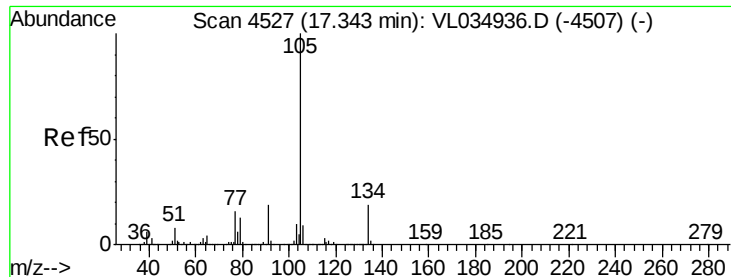
Tot Ion:119 Resp: 3414727
 Ion Ratio Lower Upper
 119 100
 91 85.5 67.5 101.3
 134 20.1 16.1 24.1



#66
 Benzyl Chloride
 Concen: 10.152 ppbv
 RT: 17.02 min Scan# 4426
 Delta R.T. -0.02 min
 Lab File: VL035044.D
 Acq: 19 May 2020 14:22

Tgt Ion: 91 Resp: 1314264
 Ion Ratio Lower Upper
 91 100
 126 15.9 13.8 20.6
 128 5.2 4.3 6.5





#67

sec-Butylbenzene

Concen: 9.010 ppbv

RT: 17.32 min Scan# 4521

Delta R.T. -0.02 min

Lab File: VL035044.D

Acq: 19 May 2020 14:22

Instrument :

MSVOA_L

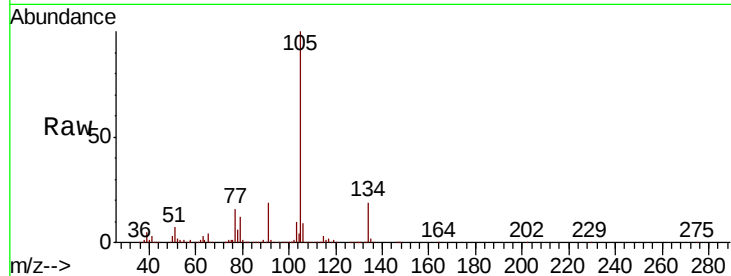
ClientSampleId :

Tot Ion:105 Resp: 4904629

Ion Ratio Lower Upper

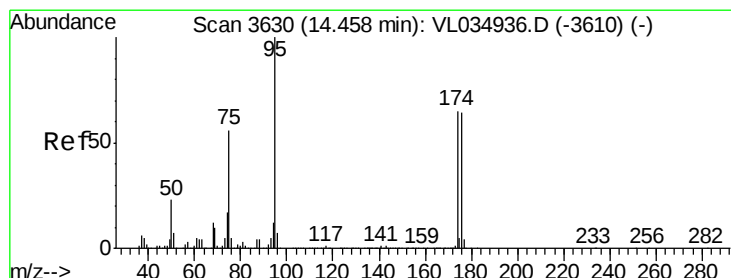
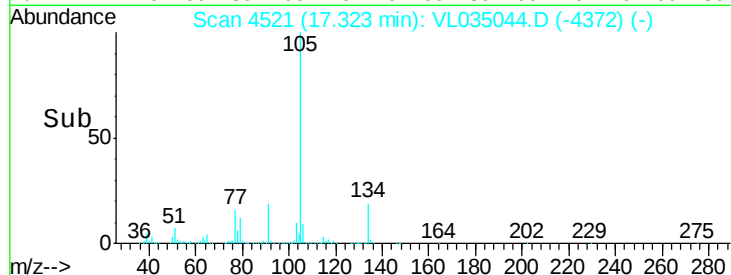
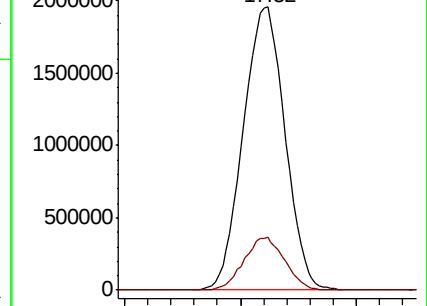
105 100

134 18.2 14.8 22.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.057 ppbv

RT: 14.44 min Scan# 3623

Delta R.T. -0.02 min

Lab File: VL035044.D

Acq: 19 May 2020 14:22

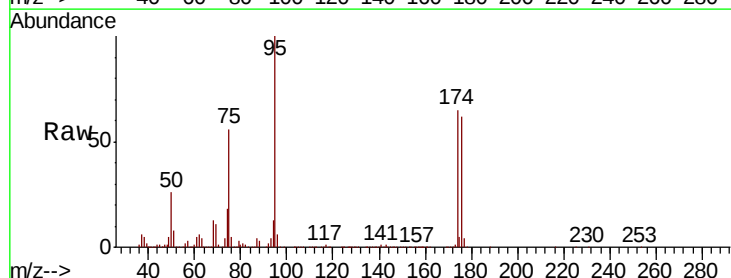
Tgt Ion: 95 Resp: 2232900

Ion Ratio Lower Upper

95 100

174 63.8 51.5 77.3

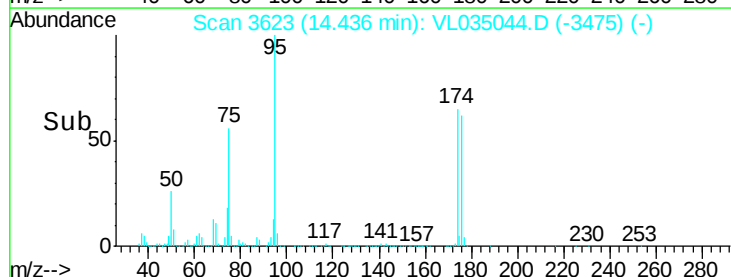
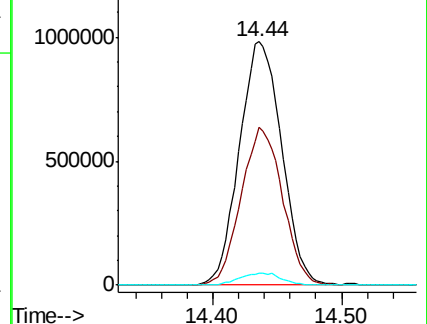
175 4.9 3.8 5.8

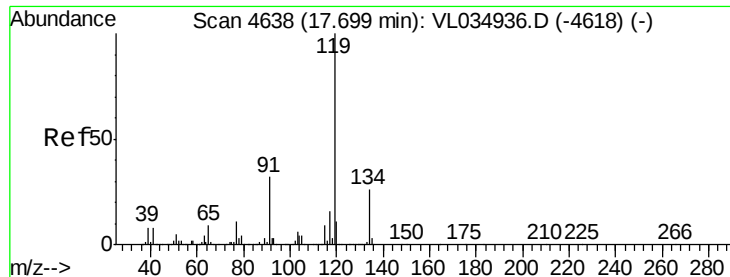


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

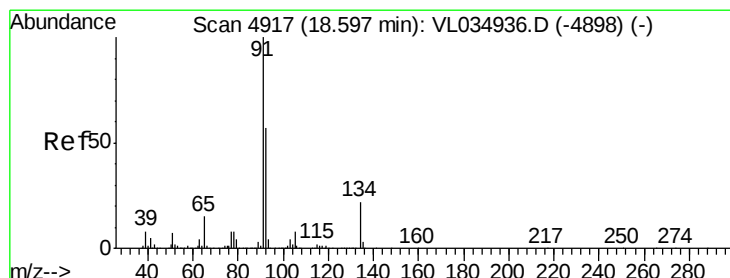
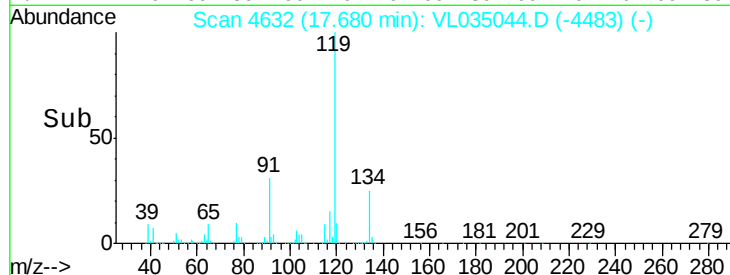
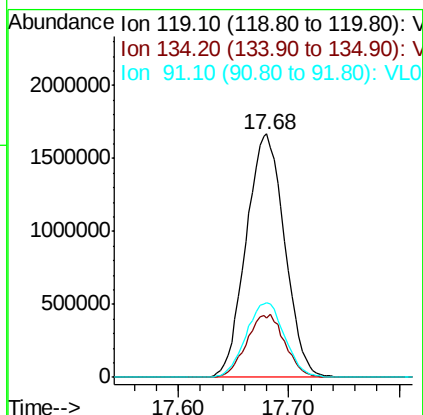
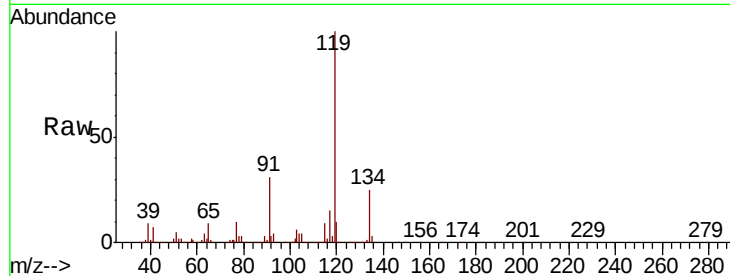




#69
 p-Isopropyltoluene
 Concen: 9.160 ppbv
 RT: 17.68 min Scan# 4632
 Delta R.T. -0.02 min
 Lab File: VL035044.D
 Acq: 19 May 2020 14:22

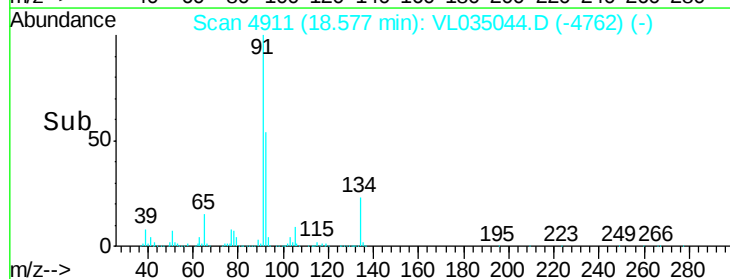
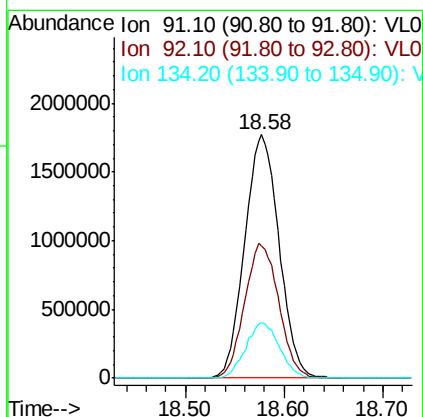
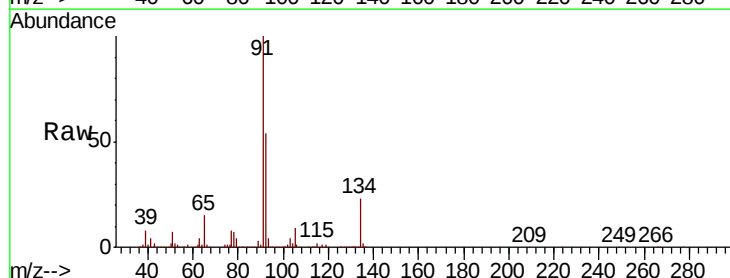
Instrument :
 MSVOA_L
 ClientSampleID :

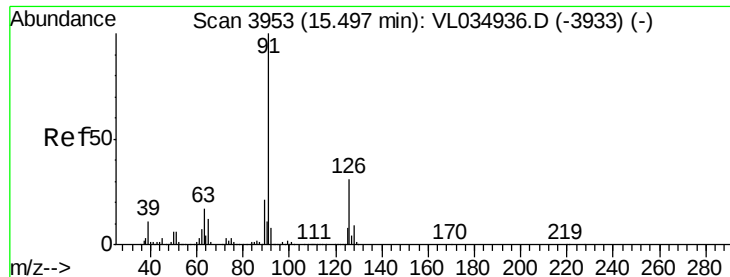
Tot Ion:119 Resp: 4033990
 Ion Ratio Lower Upper
 119 100
 134 25.7 20.3 30.5
 91 30.7 24.6 36.8



#70
 n-Butylbenzene
 Concen: 9.089 ppbv
 RT: 18.58 min Scan# 4911
 Delta R.T. -0.02 min
 Lab File: VL035044.D
 Acq: 19 May 2020 14:22

Tgt Ion: 91 Resp: 4259993
 Ion Ratio Lower Upper
 91 100
 92 54.9 44.4 66.6
 134 22.4 18.0 27.0





#71

2-Chlorotoluene

Concen: 9.344 ppbv

RT: 15.48 min Scan# 3947

Delta R.T. -0.02 min

Lab File: VL035044.D

Acq: 19 May 2020 14:22

Instrument :

MSVOA_L

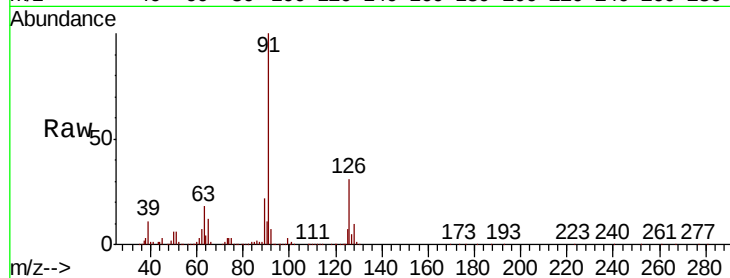
ClientSampleId :

Tot Ion: 91 Resp: 3101332

Ion Ratio Lower Upper

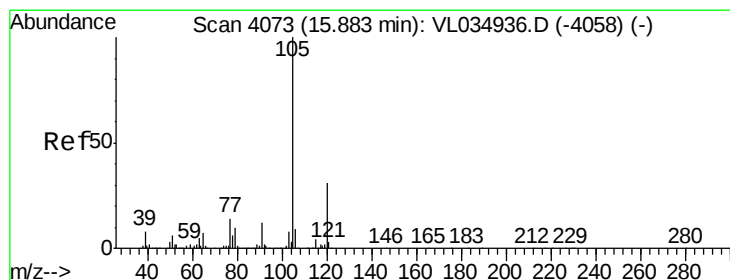
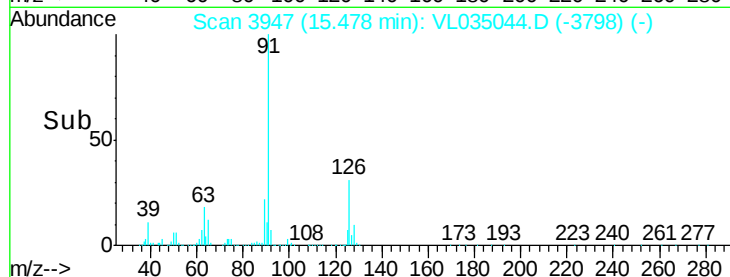
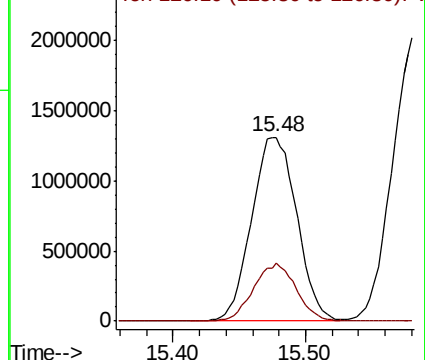
91 100

126 29.6 12.0 47.8



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 9.677 ppbv

RT: 15.86 min Scan# 4067

Delta R.T. -0.02 min

Lab File: VL035044.D

Acq: 19 May 2020 14:22

Tgt Ion: 105 Resp: 3179499

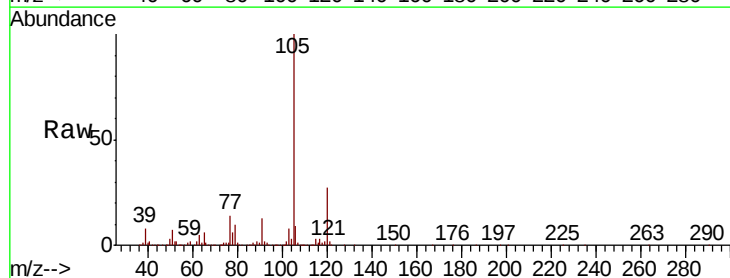
Ion Ratio Lower Upper

105 100

120 28.5 23.8 35.8

91 13.2 10.6 15.8

77 14.3 11.6 17.4

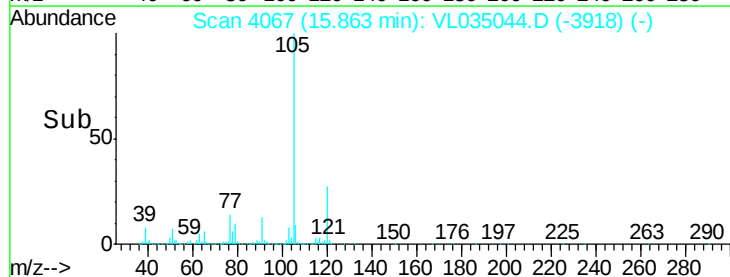
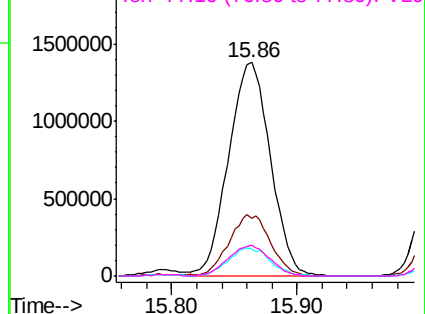


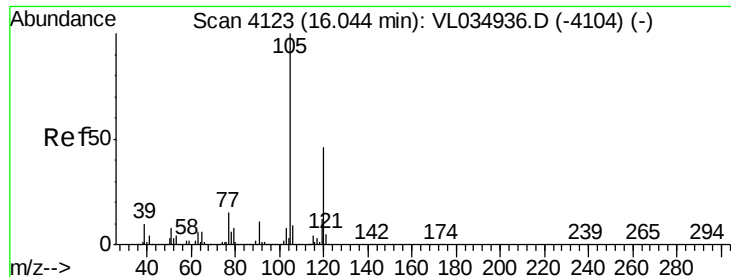
Abundance Ion 105.10 (104.80 to 105.80): V

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: 9.272 ppbv

RT: 16.02 min Scan# 4116

Delta R.T. -0.02 min

Lab File: VL035044.D

Acq: 19 May 2020 14:22

Instrument :

MSVOA_L

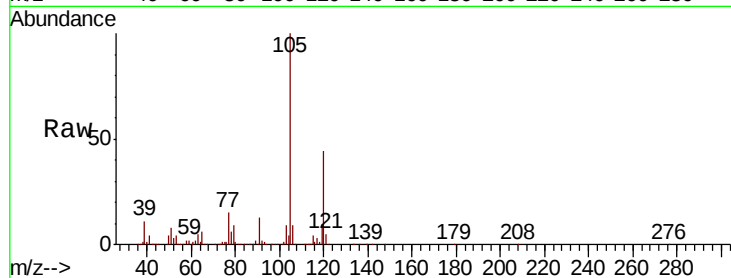
ClientSampleId :

Tot Ion:105 Resp: 2964616

Ion Ratio Lower Upper

105 100

120 43.4 36.4 54.6



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

16.02

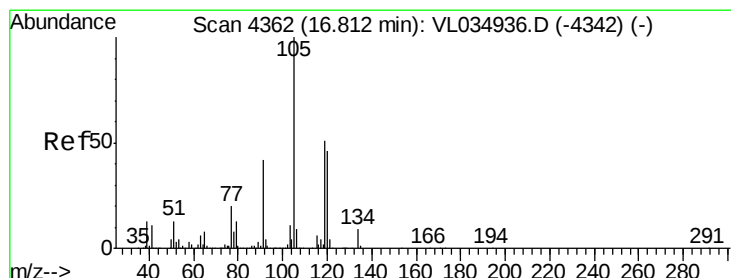
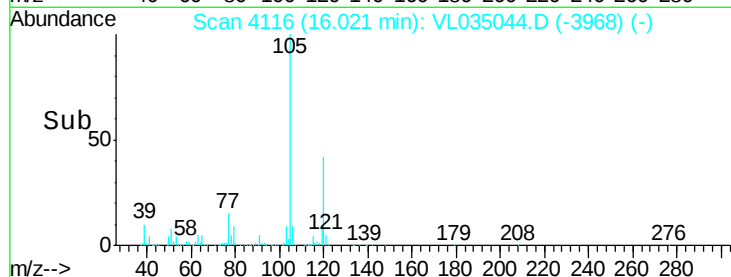
1500000

1000000

500000

0

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 8.674 ppbv

RT: 16.79 min Scan# 4355

Delta R.T. -0.02 min

Lab File: VL035044.D

Acq: 19 May 2020 14:22

Tgt Ion:105 Resp: 3027445

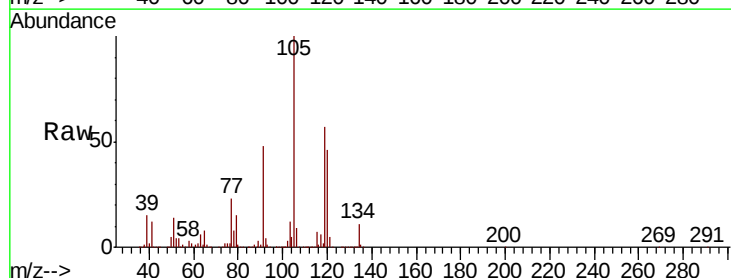
Ion Ratio Lower Upper

105 100

120 46.0 36.8 55.2

91 47.8 35.4 53.0

77 22.8 16.2 24.2



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

2000000

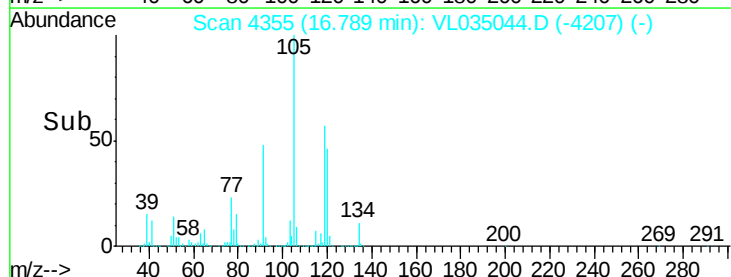
1500000

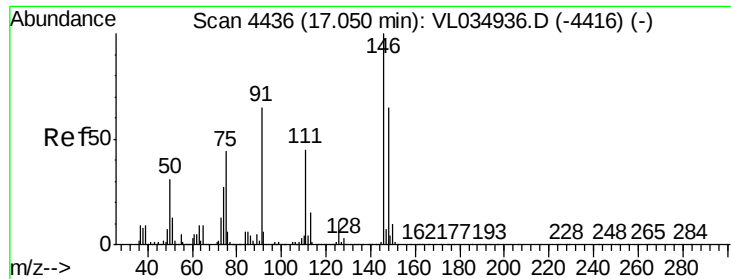
1000000

500000

0

Time-->

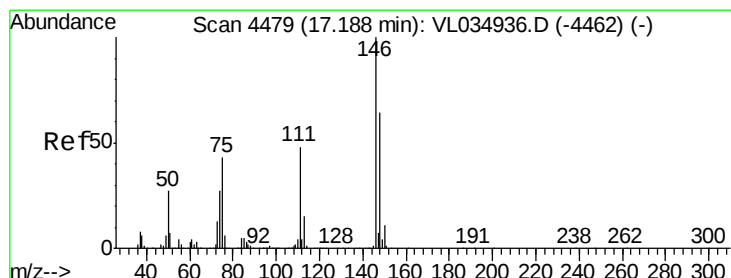
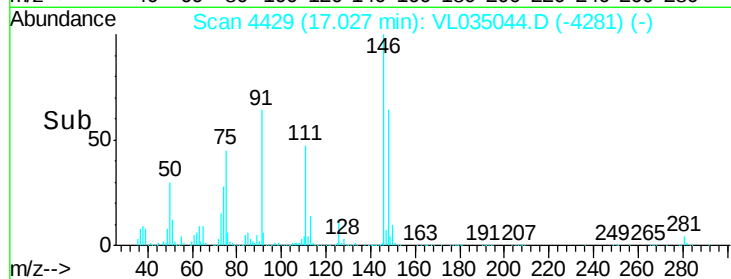
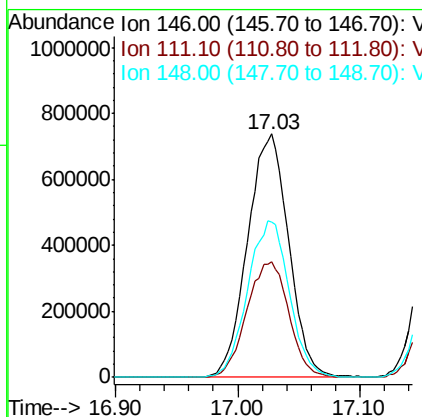
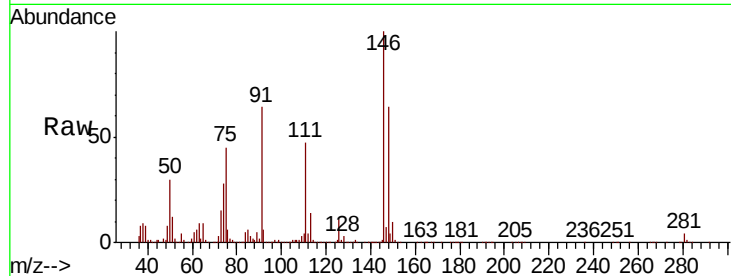




#75
 1,3-Dichlorobenzene
 Concen: 8.393 ppbv
 RT: 17.03 min Scan# 4429
 Delta R.T. -0.02 min
 Lab File: VL035044.D
 Acq: 19 May 2020 14:22

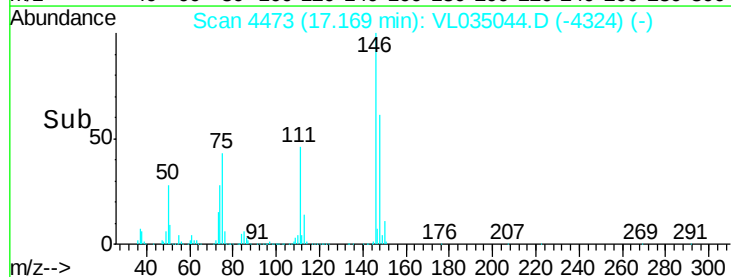
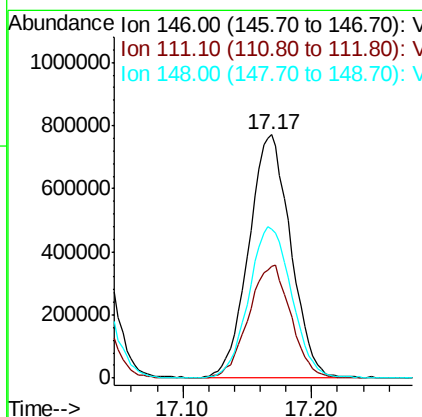
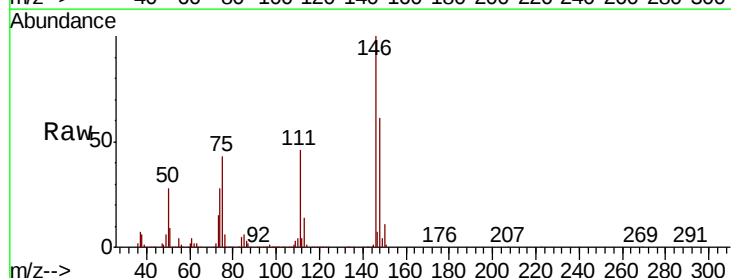
Instrument :
 MSVOA_L
 ClientSampleId :

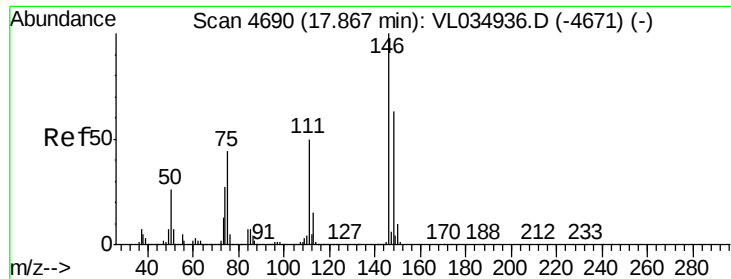
Tot Ion:146 Resp: 1719944
 Ion Ratio Lower Upper
 146 100
 111 48.7 24.0 72.0
 148 65.3 32.6 97.7



#76
 1,4-Dichlorobenzene
 Concen: 8.943 ppbv
 RT: 17.17 min Scan# 4473
 Delta R.T. -0.02 min
 Lab File: VL035044.D
 Acq: 19 May 2020 14:22

Tgt Ion:146 Resp: 1741345
 Ion Ratio Lower Upper
 146 100
 111 47.0 23.7 71.1
 148 63.8 32.6 97.8





#77

1,2-Dichlorobenzene

Concen: 8.608 ppbv

RT: 17.85 min Scan# 4684

Delta R.T. -0.02 min

Lab File: VL035044.D

Acq: 19 May 2020 14:22

Instrument :

MSVOA_L

ClientSampled :

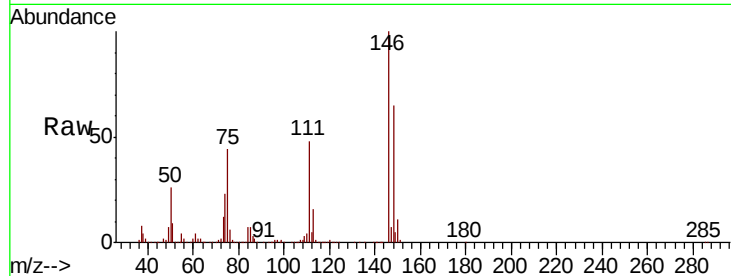
Tot Ion:146 Resp: 1662169

Ion Ratio Lower Upper

146 100

111 49.7 24.5 73.5

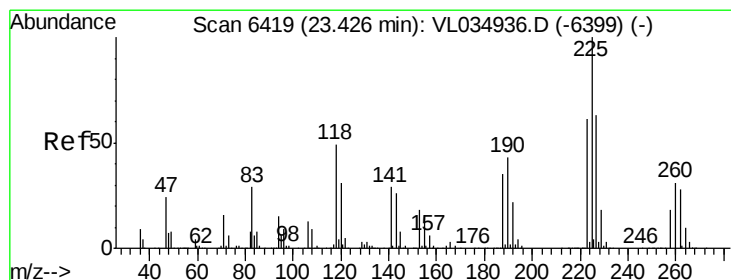
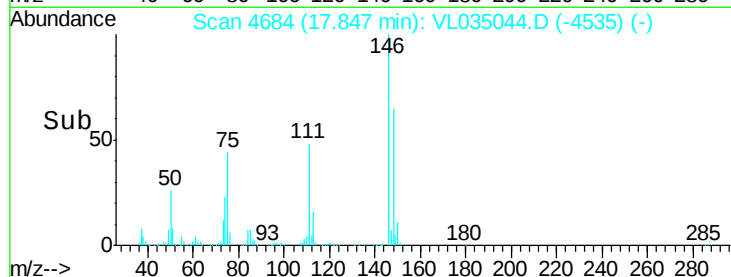
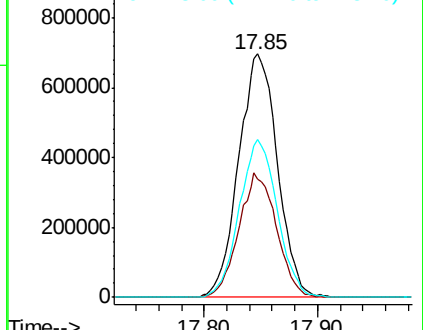
148 63.5 31.7 95.1



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: 8.429 ppbv

RT: 23.41 min Scan# 6414

Delta R.T. -0.02 min

Lab File: VL035044.D

Acq: 19 May 2020 14:22

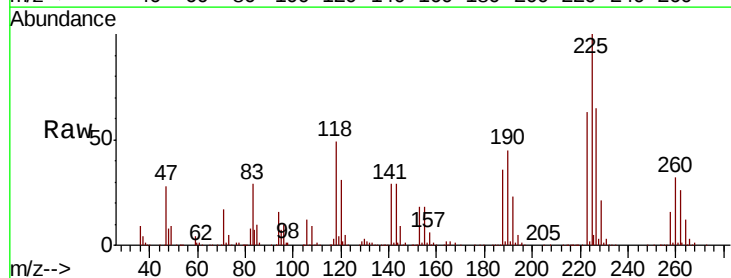
Tgt Ion:225 Resp: 1387441

Ion Ratio Lower Upper

225 100

223 63.8 49.8 74.8

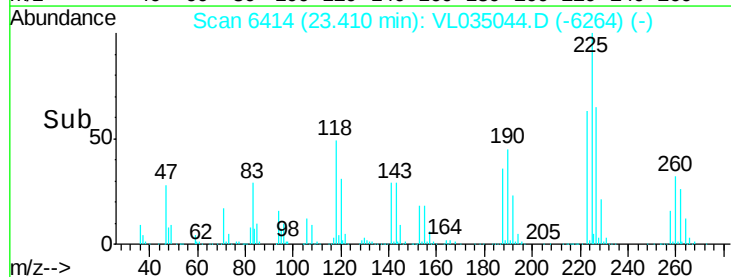
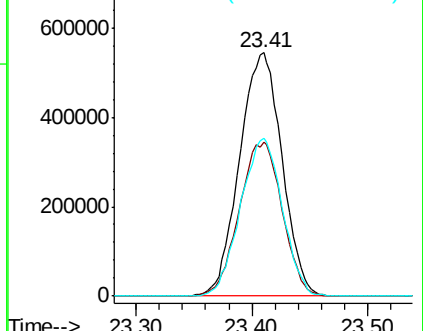
227 63.8 51.8 77.6

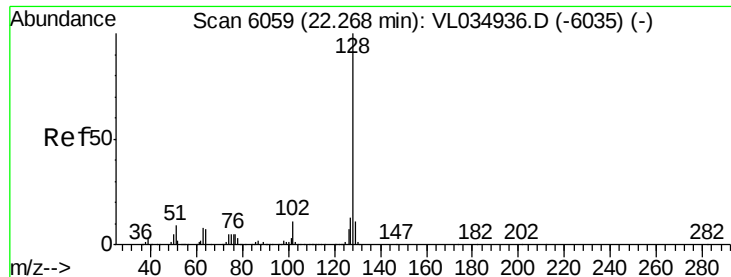


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 11.182 ppbv

RT: 22.24 min Scan# 6050

Delta R.T. -0.03 min

Lab File: VL035044.D

Acq: 19 May 2020 14:22

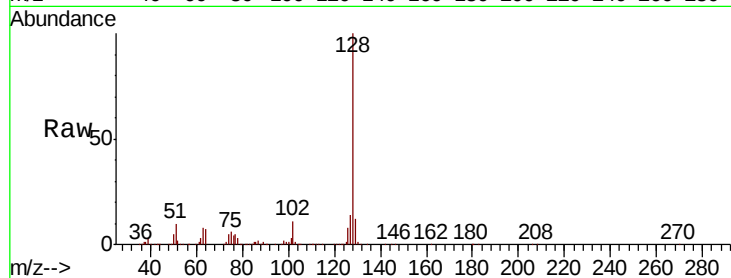
Instrument :

MSVOA_L

ClientSampled :

Tot Ion:128 Resp: 3039016

Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.5	15.7
129	12.5	9.0	13.4

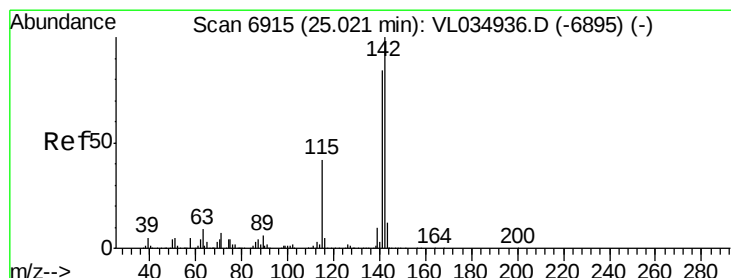
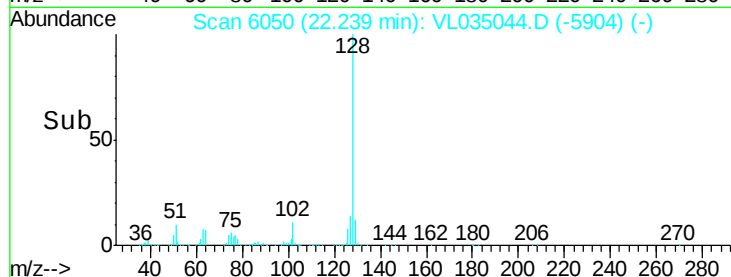
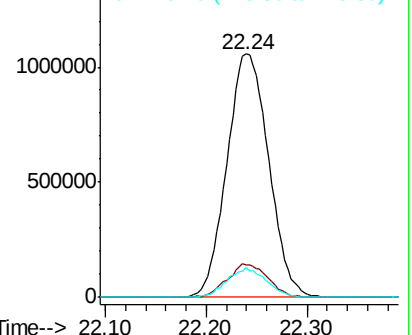


Abundance

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: 20.636 ppbv

RT: 25.00 min Scan# 6909

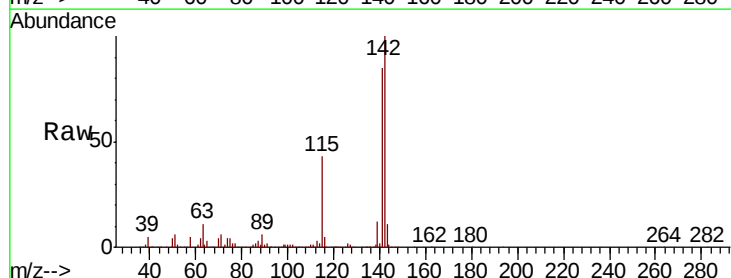
Delta R.T. -0.02 min

Lab File: VL035044.D

Acq: 19 May 2020 14:22

Tgt Ion:142 Resp: 1378639

Ion	Ratio	Lower	Upper
142	100		
141	84.0	68.6	102.8
115	42.9	33.9	50.9

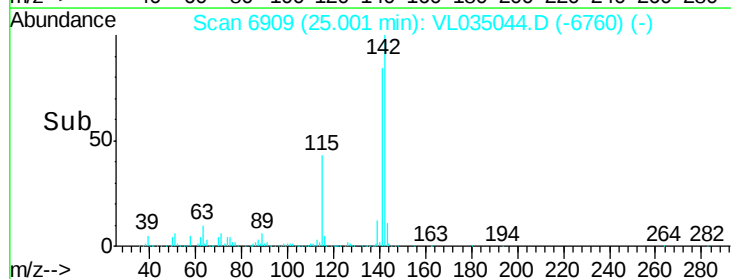
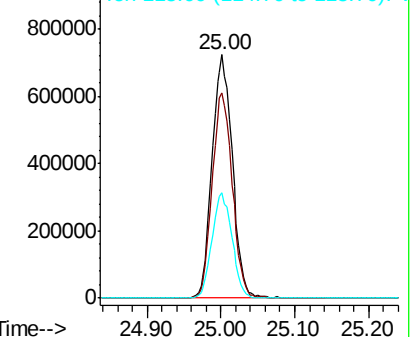


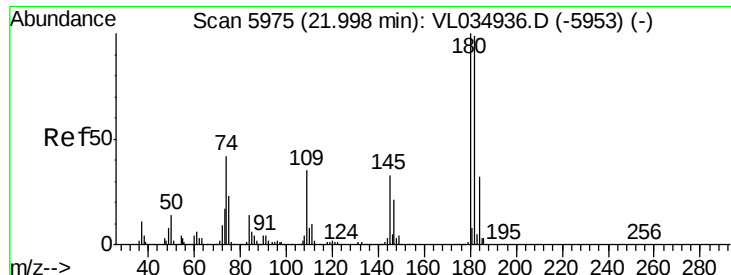
Abundance

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: 9.661 ppbv

RT: 21.97 min Scan# 5965

Delta R.T. -0.03 min

Lab File: VL035044.D

Acq: 19 May 2020 14:22

Instrument :

MSVOA_L

ClientSampleId :

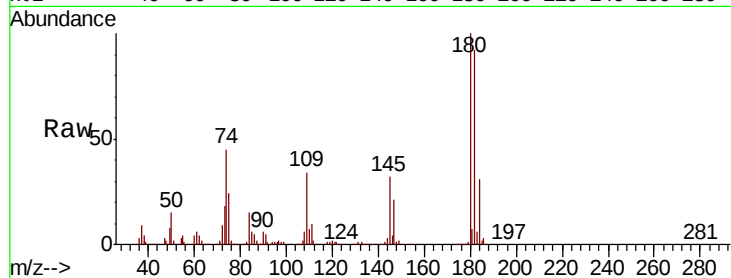
Tot Ion:180 Resp: 1592234

Ion Ratio Lower Upper

180 100

182 95.9 77.5 116.3

184 31.3 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

