

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051220\
 Data File : VL034986.D
 Acq On : 12 May 2020 13:45
 Operator : SY/AP
 Sample : VL0512ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0512ABS01

Quant Time: May 13 01:04:35 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	5.66	49	1096942	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2551828	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	2997647	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	1990622	8.20	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	82.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.00	85	1271928	8.170	ppbv 96
3) Chlorodifluoromethane	2.94	51	1132266	9.041	ppbv 100
4) Chloromethane	3.10	50	666421	9.285	ppbv 100
5) Vinyl Chloride	3.21	62	653881	9.339	ppbv 99
6) Bromomethane	3.43	94	388419	9.291	ppbv 92
7) Chloroethane	3.52	64	237464	9.443	ppbv 95
8) Dichlorotetrafluoroethane	3.14	85	1469470	9.120	ppbv 100
9) Propene	2.96	41	493952	9.089	ppbv 98
10) Heptane	8.13	43	1369409	10.058	ppbv 100
11) Trichlorofluoromethane	3.92	101	1510273	9.408	ppbv 96
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1065515	9.322	ppbv 97
13) Ethanol	3.57	45	121391	6.769	ppbv 97
14) Bromoethene	3.70	108	460245	9.743	ppbv 98
15) Acetone	3.82	43	1196881	8.253	ppbv 100
16) 1,3-Butadiene	3.29	39	594214	9.521	ppbv 99
17) tert-Butyl alcohol	4.26	59	978593	7.584	ppbv 100
18) 1,1-Dichloroethene	4.26	96	491121	9.904	ppbv 99
19) Isopropyl Alcohol	3.93	45	709136	7.332	ppbv # 98
20) Methylene Chloride	4.31	84	439827	9.162	ppbv 93
21) Allyl Chloride	4.38	41	829390	10.125	ppbv 99
22) trans-1,2-Dichloroethene	4.86	96	479973	9.771	ppbv 97
23) Vinyl Acetate	5.05	43	1775754	9.656	ppbv 100
24) 1,1-Dichloroethane	4.99	63	1315070	9.284	ppbv 100
25) Ethyl Acetate	5.66	43	2292548	9.411	ppbv 100
26) Hexane	5.67	57	1023153	9.688	ppbv 99
27) Carbon Disulfide	4.52	76	1272762	10.225	ppbv 99
28) Methyl tert-Butyl Ether	5.01	73	1499631	9.324	ppbv 100
29) Chloroform	5.74	83	1583027	9.161	ppbv 99
30) Cyclohexane	7.13	84	853324	10.471	ppbv 99
31) cis-1,2-Dichloroethene	5.54	61	1020292	9.902	ppbv 96
32) 1,1,1-Trichloroethane	6.51	97	1507352	9.660	ppbv 99
34) 2-Butanone	5.22	43	1501681	9.468	ppbv 100
35) Carbon Tetrachloride	7.02	117	1580775	9.815	ppbv 95
36) Benzene	6.89	78	2053012	9.758	ppbv 97
37) 1,2-Dichloroethane	6.30	62	1228730	9.468	ppbv 99
38) Trichloroethene	7.84	130	787101	9.657	ppbv 98
39) 1,2-Dichloropropane	7.62	63	810854	9.614	ppbv 98
40) 1,4-Dioxane	7.83	88	293254	8.554	ppbv 77
41) Tetrahydrofuran	6.04	42	832833	9.974	ppbv 98
42) Bromodichloromethane	7.80	83	1690496	9.658	ppbv 97
43) Methyl Methacrylate	8.02	69	929821	10.466	ppbv 98

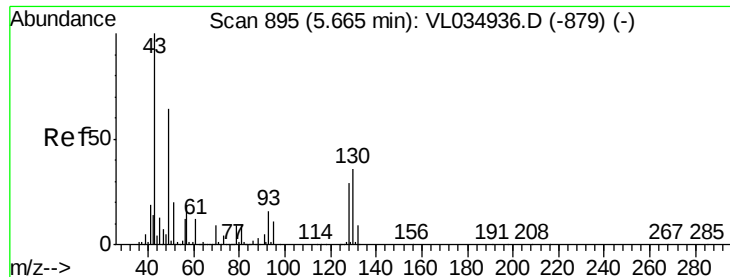
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051220\
 Data File : VL034986.D
 Acq On : 12 May 2020 13:45
 Operator : SY/AP
 Sample : VL0512ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
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 VL0512ABS01

Quant Time: May 13 01:04:35 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	7.87	57	3565593	9.533	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	1038323	11.582	ppbv	98
46) cis-1,3-Dichloropropene	8.72	75	1230641	11.181	ppbv	98
47) 1,1,2-Trichloroethane	9.49	97	858788	9.649	ppbv	99
48) Dibromochloromethane	10.32	129	1400367	10.232	ppbv	99
49) Bromoform	13.07	173	1224274	10.396	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	2255878	9.975	ppbv	100
51) 2-Hexanone	10.15	43	1860623	10.518	ppbv #	100
52) Tetrachloroethene	11.24	164	718761	9.608	ppbv	99
53) Toluene	9.82	91	2369589	10.625	ppbv	100
54) 1,2-Dibromoethane	10.63	107	1284726	9.830	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.15	131	1060618	7.846	ppbv	96
57) Chlorobenzene	12.17	112	1803702	7.595	ppbv	98
58) Ethyl Benzene	12.74	91	3197345	8.626	ppbv	98
59) m/p-Xylene	13.02	91	2171087	6.657	ppbv #	68
60) o-Xylene	13.72	91	2625652	8.159	ppbv	99
61) Styrene	13.56	104	1873446	9.199	ppbv	98
62) Isopropylbenzene	14.70	105	3841200	7.994	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.71	83	1865047	7.362	ppbv	100
64) n-propylbenzene	15.60	120	1003875	8.145	ppbv	99
65) tert-Butylbenzene	16.78	119	3282591	7.877	ppbv	99
66) Benzyl Chloride	17.03	91	1285219	9.084	ppbv	98
67) sec-Butylbenzene	17.33	105	4718322	7.931	ppbv	99
69) p-Isopropyltoluene	17.69	119	3876596	8.055	ppbv	100
70) n-Butylbenzene	18.59	91	4064652	7.935	ppbv	99
71) 2-Chlorotoluene	15.49	91	2980934	8.219	ppbv	99
72) 4-Ethyltoluene	15.87	105	3065502	8.538	ppbv	99
73) 1,3,5-Trimethylbenzene	16.03	105	2864376	8.198	ppbv	99
74) 1,2,4-Trimethylbenzene	16.80	105	2913295	7.638	ppbv #	92
75) 1,3-Dichlorobenzene	17.04	146	771354	3.444	ppbv #	10
76) 1,4-Dichlorobenzene	17.18	146	1668397	7.840	ppbv	99
77) 1,2-Dichlorobenzene	17.86	146	1593229	7.550	ppbv	99
78) Hexachloro-1,3-Butadiene	23.42	225	1283228	7.134	ppbv	99
79) Naphthalene	22.26	128	2882578	9.705	ppbv	100
80) Naphthalene, 2-methyl-	25.01	142	1161233	15.905	ppbv	99
81) 1,2,4-Trichlorobenzene	21.98	180	1490169	8.274	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 892

Delta R.T. -0.01 min

Lab File: VL034986.D

Acq: 12 May 2020 13:45

Instrument :

MSVOA_L

ClientSampleId :

VL0512ABS01

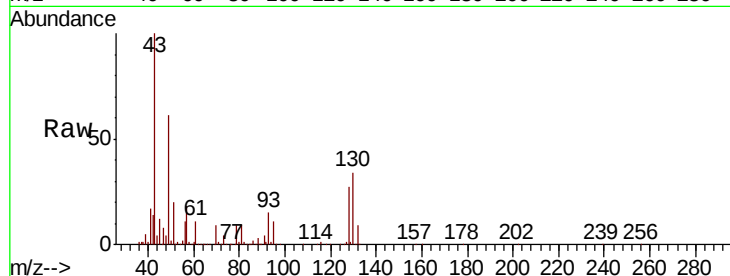
Tot Ion: 49 Resp: 1096942

Ion Ratio Lower Upper

49 100

128 44.1 22.1 66.5

130 56.8 29.1 87.3



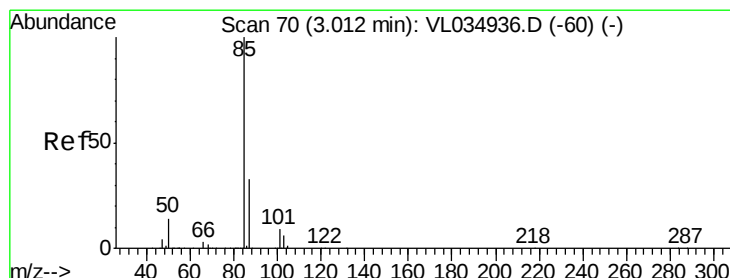
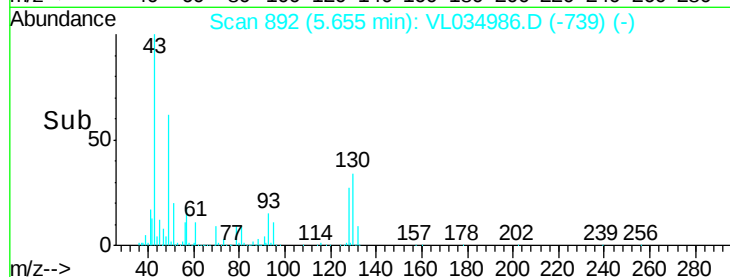
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V

5.66

Time-->



#2

Dichlorodifluoromethane

Concen: 8.170 ppbv

RT: 3.00 min Scan# 67

Delta R.T. -0.01 min

Lab File: VL034986.D

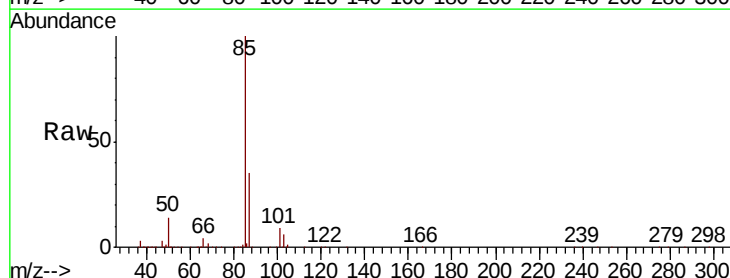
Acq: 12 May 2020 13:45

Tgt Ion: 85 Resp: 1271928

Ion Ratio Lower Upper

85 100

87 35.0 26.2 39.2

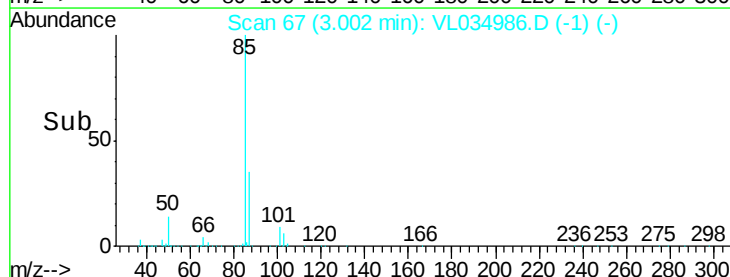


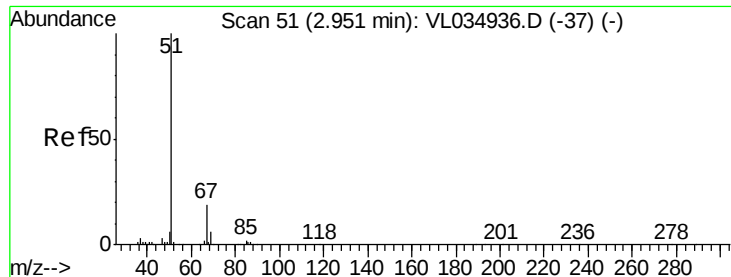
Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

3.00

Time-->





#3

Chlorodifluoromethane

Concen: 9.041 ppbv

RT: 2.94 min Scan# 48

Delta R.T. -0.01 min

Lab File: VL034986.D

Acq: 12 May 2020 13:45

Instrument :

MSVOA_L

ClientSampleId :

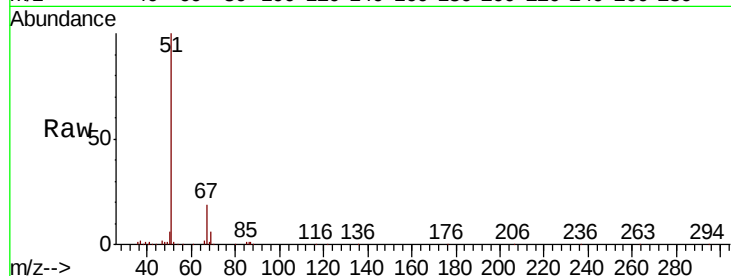
VL0512ABS01

Tot Ion: 51 Resp: 1132266

Ion Ratio Lower Upper

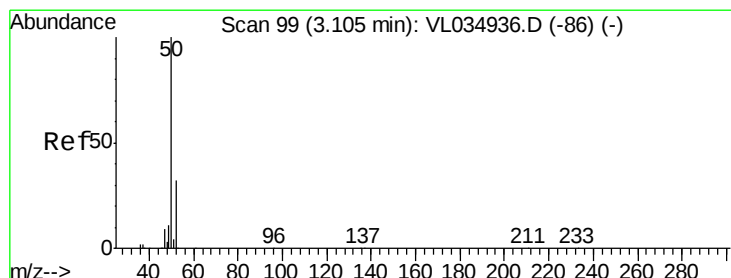
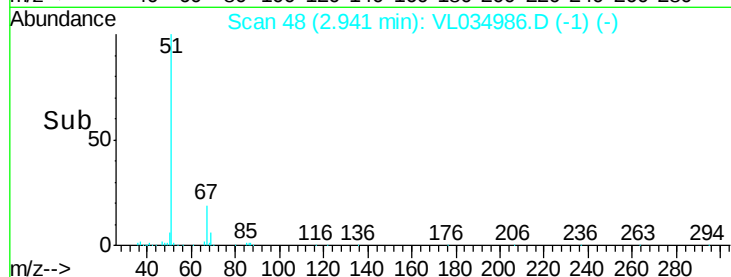
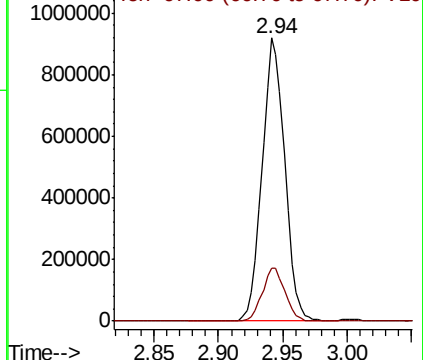
51 100

67 19.0 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: 9.285 ppbv

RT: 3.10 min Scan# 96

Delta R.T. -0.01 min

Lab File: VL034986.D

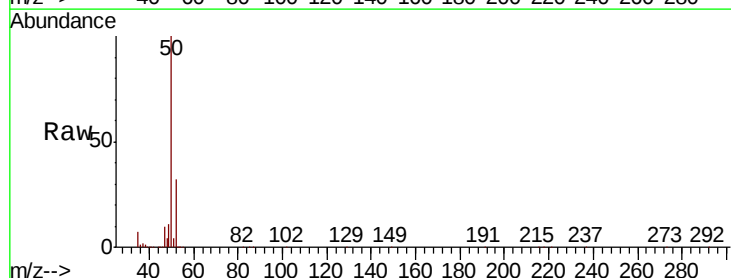
Acq: 12 May 2020 13:45

Tgt Ion: 50 Resp: 666421

Ion Ratio Lower Upper

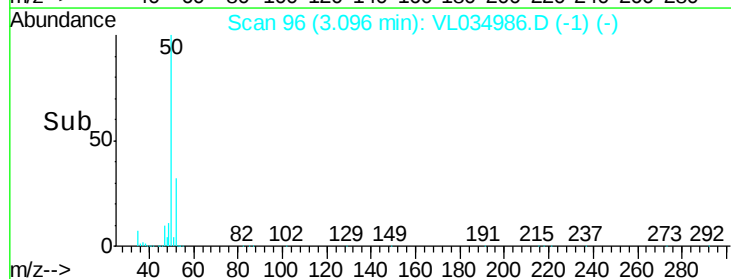
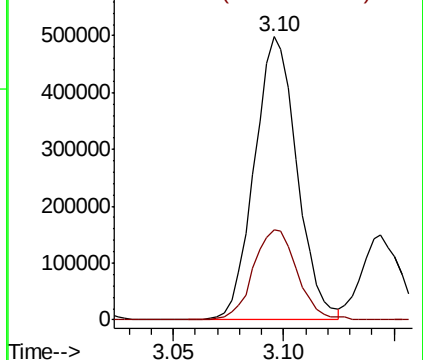
50 100

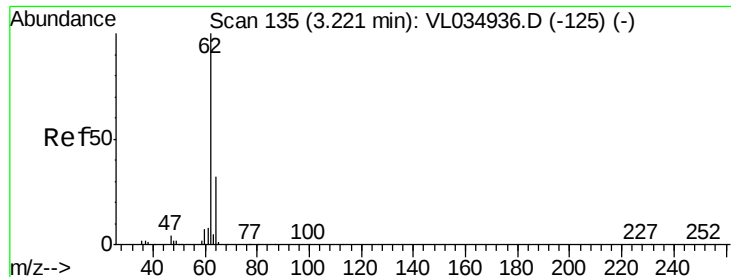
52 31.8 25.4 38.2



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.339 ppbv

RT: 3.21 min Scan# 133

Delta R.T. -0.01 min

Lab File: VL034986.D

Acq: 12 May 2020 13:45

Instrument :

MSVOA_L

ClientSampleID :

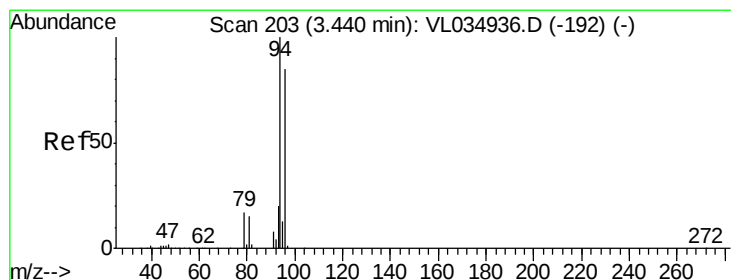
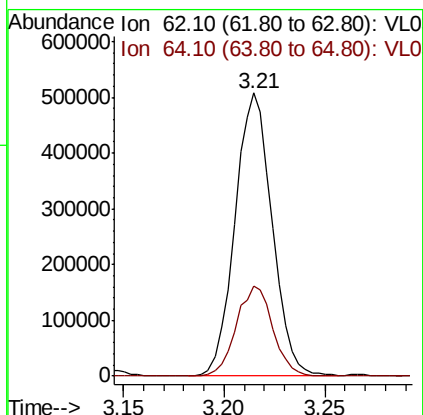
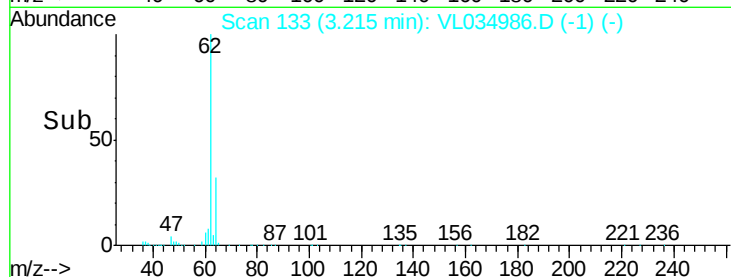
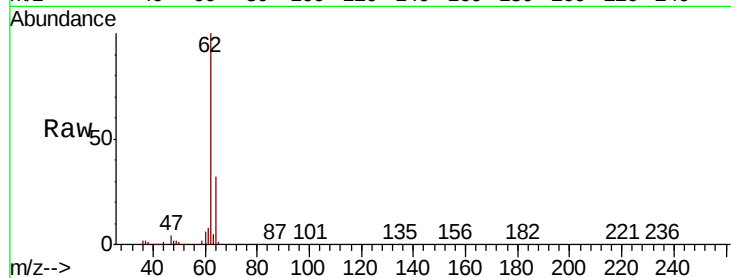
VL0512ABS01

Tot Ion: 62 Resp: 653881

Ion Ratio Lower Upper

62 100

64 31.8 25.7 38.5



#6

Bromomethane

Concen: 9.291 ppbv

RT: 3.43 min Scan# 201

Delta R.T. -0.01 min

Lab File: VL034986.D

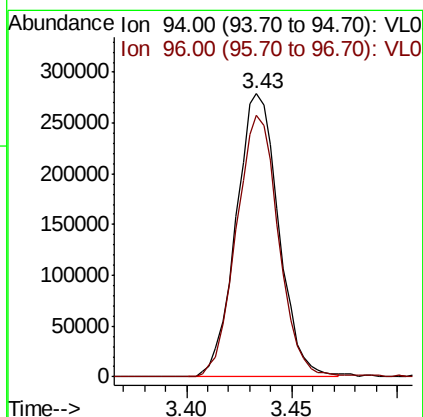
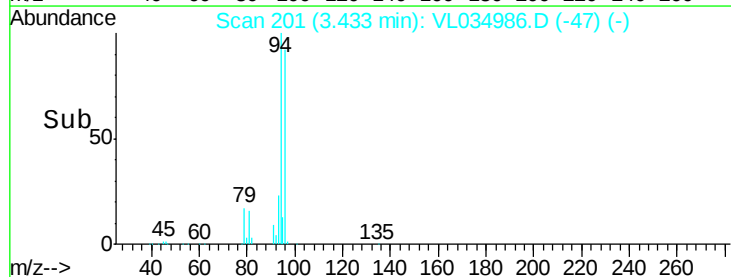
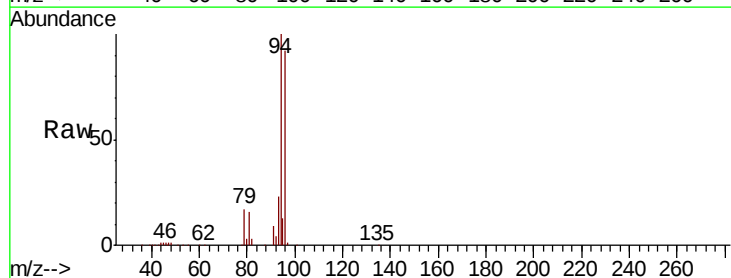
Acq: 12 May 2020 13:45

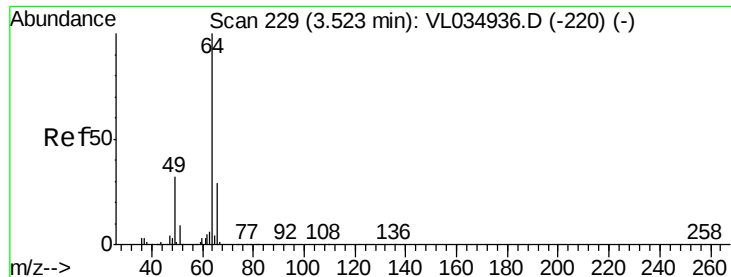
Tgt Ion: 94 Resp: 388419

Ion Ratio Lower Upper

94 100

96 92.3 67.9 101.9





#7

Chloroethane

Concen: 9.443 ppbv

RT: 3.52 min Scan# 227

Delta R.T. -0.01 min

Lab File: VL034986.D

Acq: 12 May 2020 13:45

Instrument :

MSVOA_L

ClientSampleId :

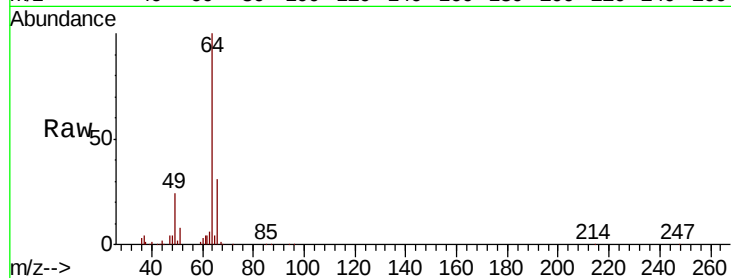
VL0512ABS01

Tot Ion: 64 Resp: 237464

Ion Ratio Lower Upper

64 100

66 31.5 23.2 34.8



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.52

200000

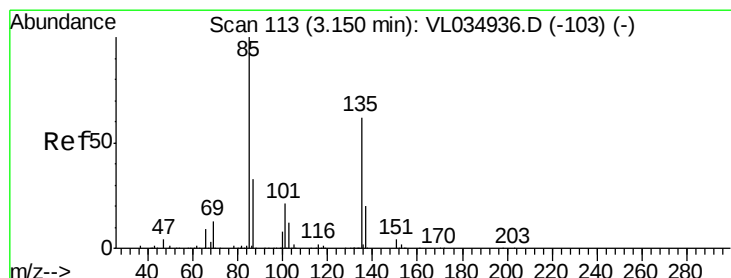
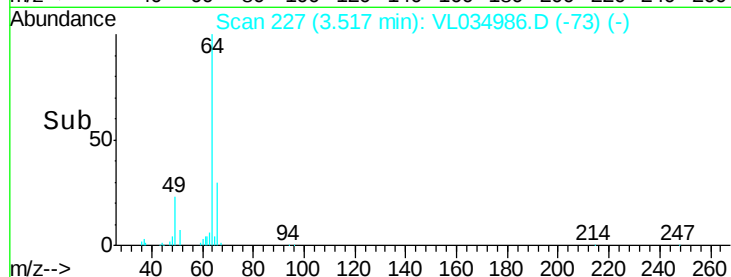
150000

100000

50000

0

Time--> 3.45 3.50 3.55



#8

Dichlorotetrafluoroethane

Concen: 9.120 ppbv

RT: 3.14 min Scan# 111

Delta R.T. -0.01 min

Lab File: VL034986.D

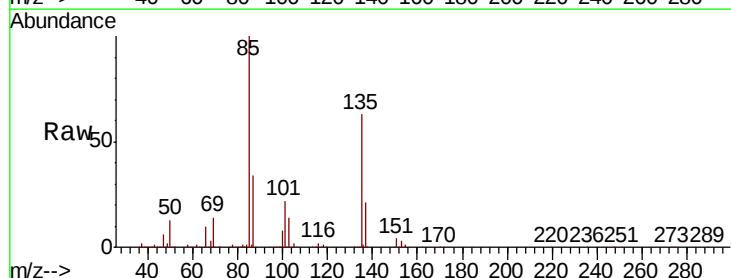
Acq: 12 May 2020 13:45

Tgt Ion: 85 Resp: 1469470

Ion Ratio Lower Upper

85 100

135 63.9 50.9 76.3



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

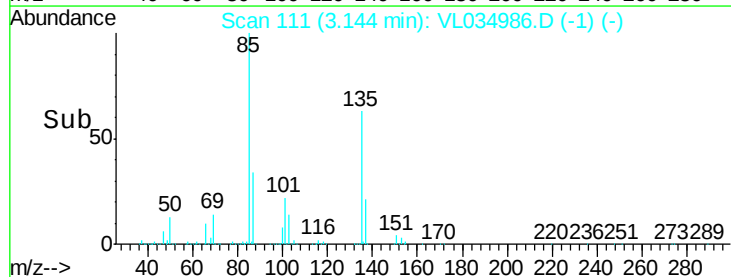
3.14

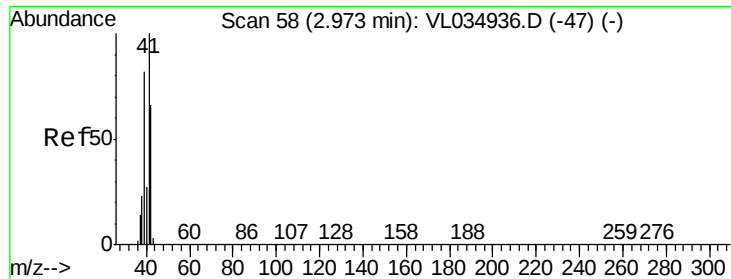
1000000

500000

0

Time--> 3.10 3.15 3.20





#9

Propene

Concen: 9.089 ppbv

RT: 2.96 min Scan# 55

Delta R.T. -0.01 min

Lab File: VL034986.D

Acq: 12 May 2020 13:45

Instrument :

MSVOA_L

ClientSampleId :

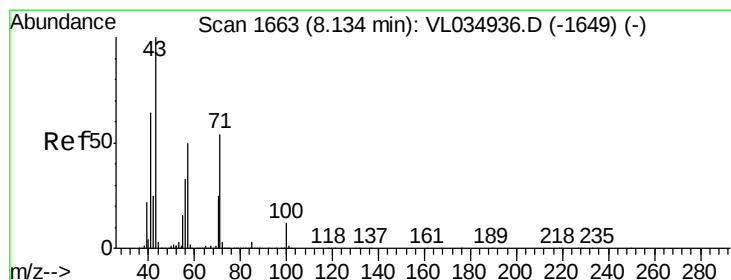
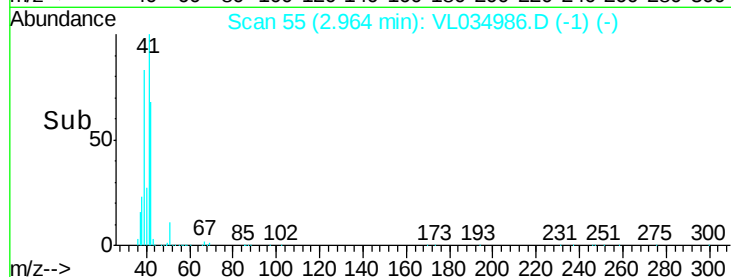
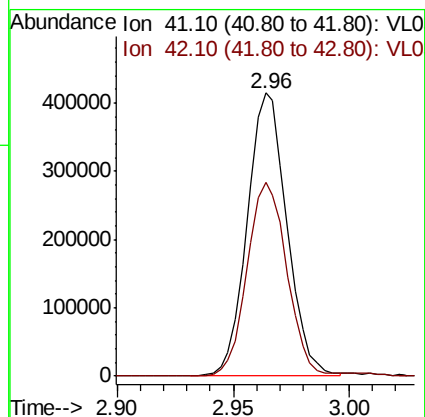
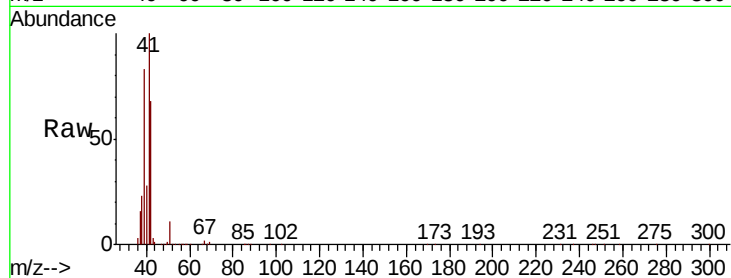
VL0512ABS01

Tot Ion: 41 Resp: 493952

Ion Ratio Lower Upper

41 100

42 69.8 54.5 81.7



#10

Heptane

Concen: 10.058 ppbv

RT: 8.13 min Scan# 1662

Delta R.T. -0.00 min

Lab File: VL034986.D

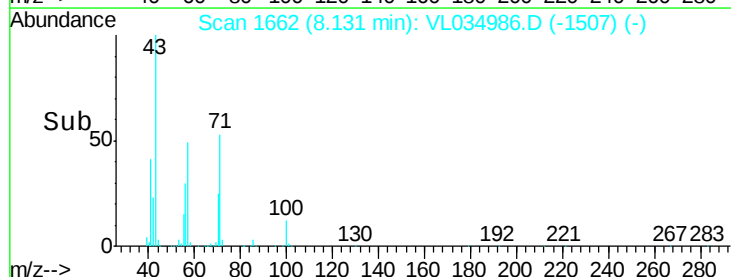
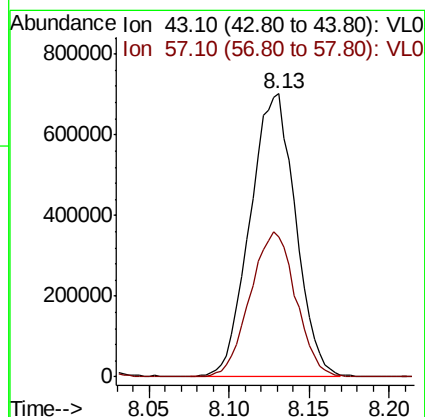
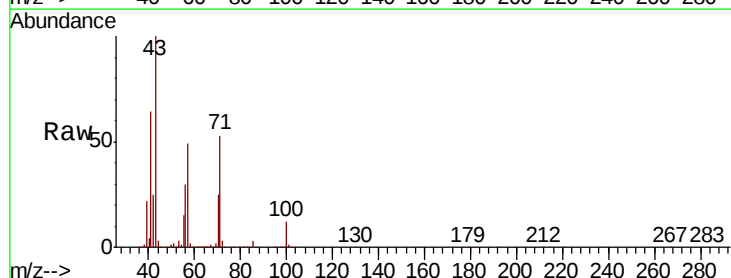
Acq: 12 May 2020 13:45

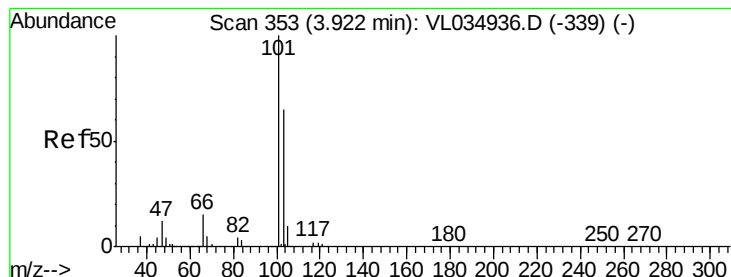
Tgt Ion: 43 Resp: 1369409

Ion Ratio Lower Upper

43 100

57 51.5 41.1 61.7





#11

Trichlorofluoromethane

Concen: 9.408 ppbv

RT: 3.92 min Scan# 351

Delta R.T. -0.01 min

Lab File: VL034986.D

Acq: 12 May 2020 13:45

Instrument :

MSVOA_L

ClientSampleId :

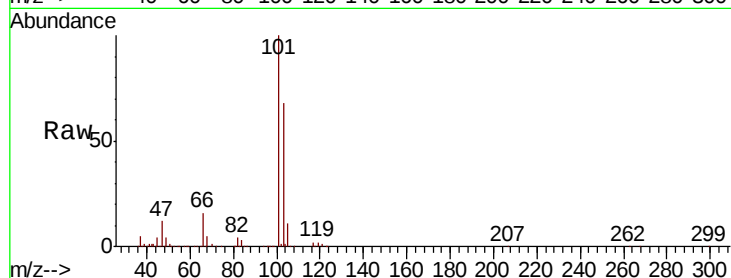
VL0512ABS01

Tot Ion:101 Resp: 1510273

Ion Ratio Lower Upper

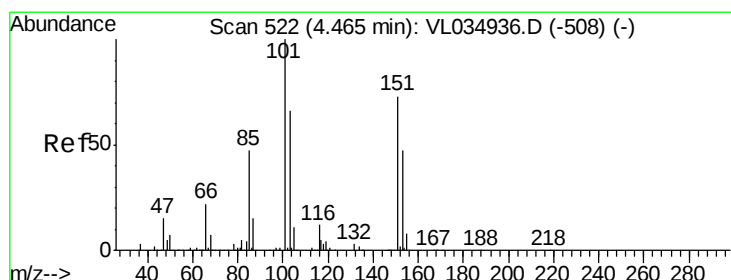
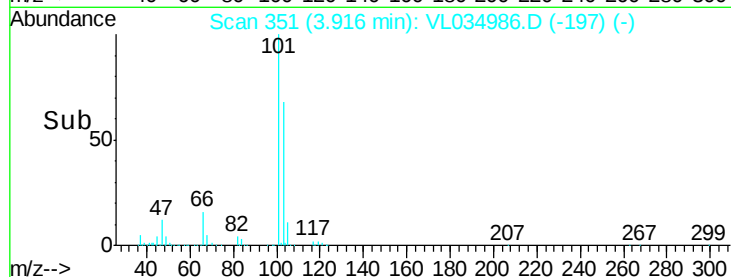
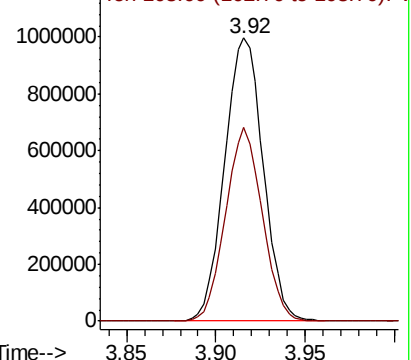
101 100

103 68.3 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: 9.322 ppbv

RT: 4.46 min Scan# 519

Delta R.T. -0.01 min

Lab File: VL034986.D

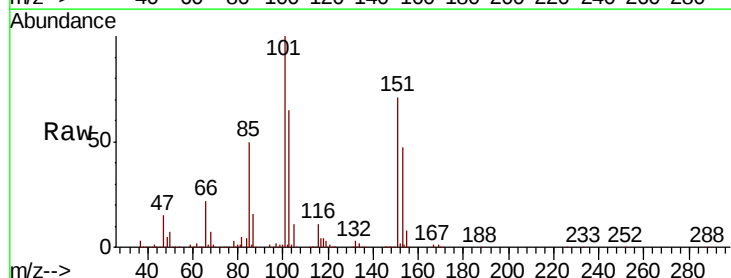
Acq: 12 May 2020 13:45

Tgt Ion:101 Resp: 1065515

Ion Ratio Lower Upper

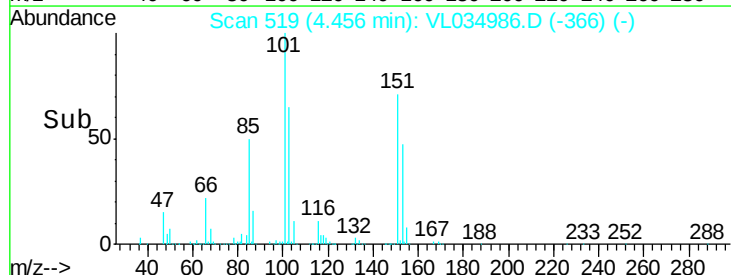
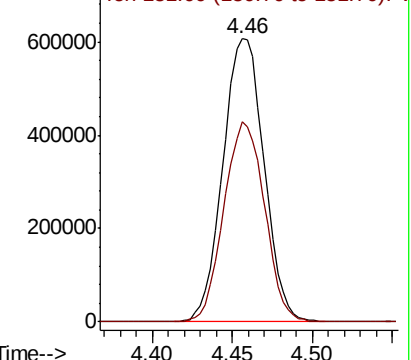
101 100

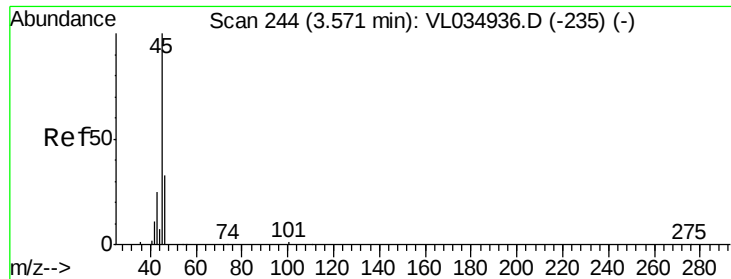
151 69.9 57.6 86.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 6.769 ppbv

RT: 3.57 min Scan# 242

Delta R.T. -0.01 min

Lab File: VL034986.D

Acq: 12 May 2020 13:45

Instrument :

MSVOA_L

ClientSampleId :

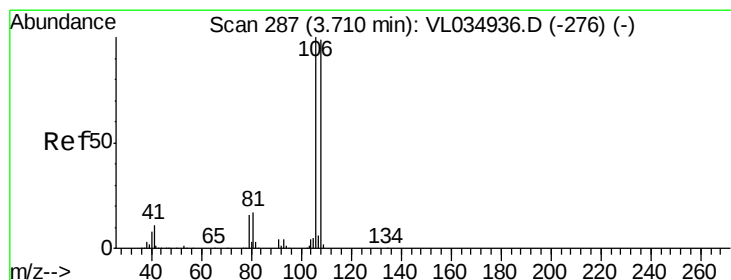
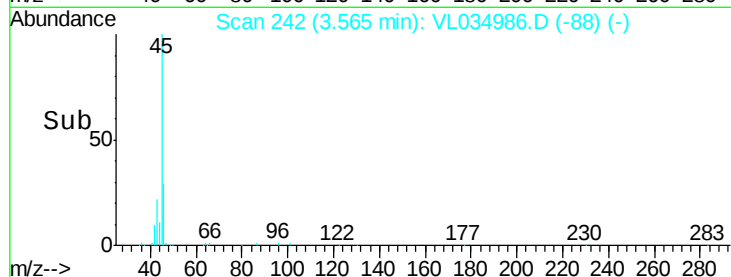
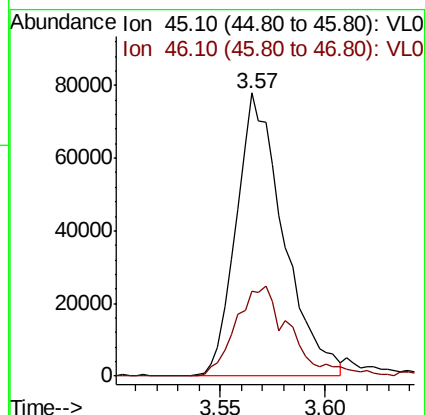
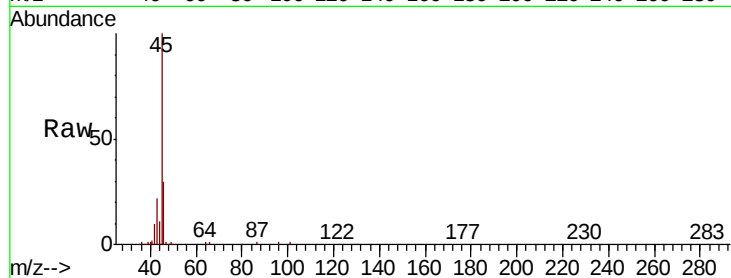
VL0512ABS01

Tot Ion: 45 Resp: 121391

Ion Ratio Lower Upper

45 100

46 37.4 14.3 57.3



#14

Bromoethene

Concen: 9.743 ppbv

RT: 3.70 min Scan# 285

Delta R.T. -0.01 min

Lab File: VL034986.D

Acq: 12 May 2020 13:45

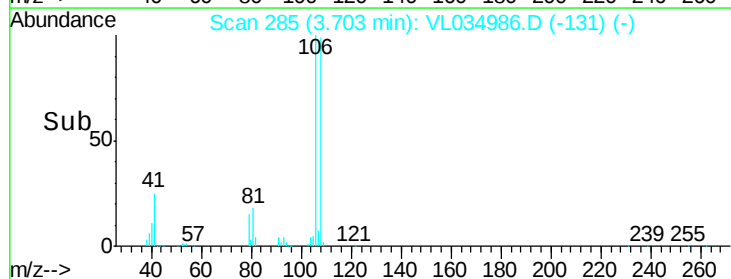
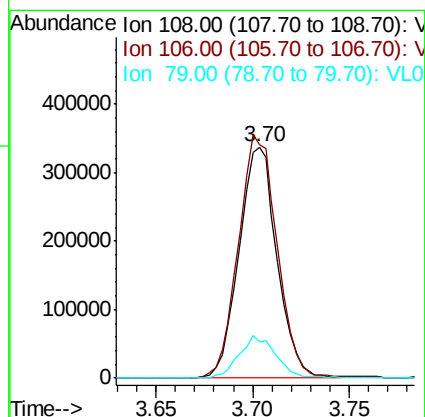
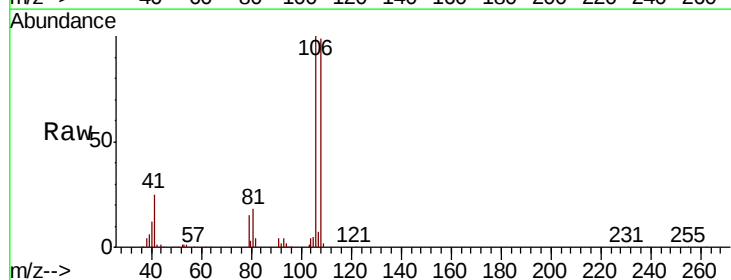
Tgt Ion: 108 Resp: 460245

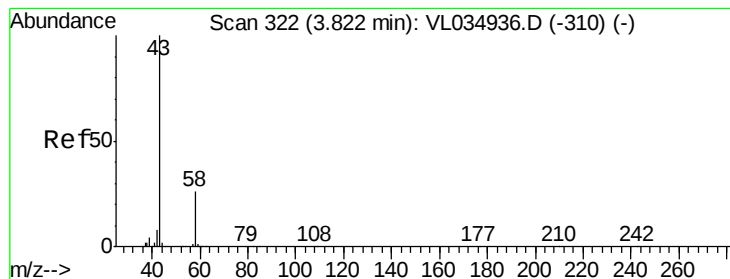
Ion Ratio Lower Upper

108 100

106 108.2 84.9 127.3

79 18.0 14.1 21.1





#15

Acetone

Concen: 8.253 ppbv

RT: 3.82 min Scan# 320

Delta R.T. -0.01 min

Lab File: VL034986.D

Acq: 12 May 2020 13:45

Instrument :

MSVOA_L

ClientSampleId :

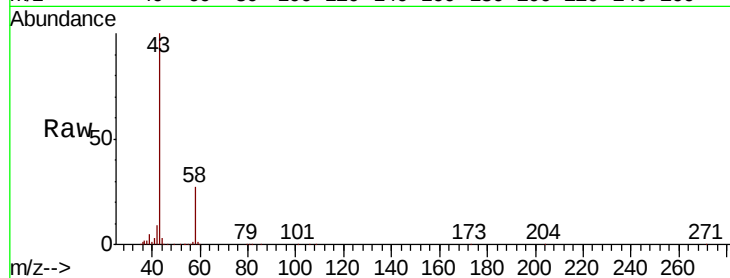
VL0512ABS01

Tot Ion: 43 Resp: 1196881

Ion Ratio Lower Upper

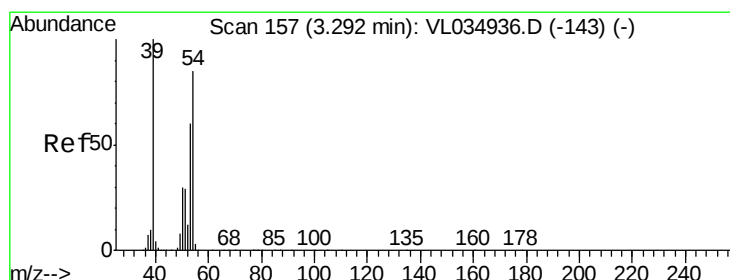
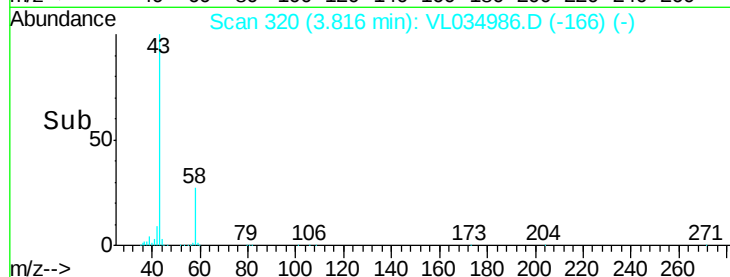
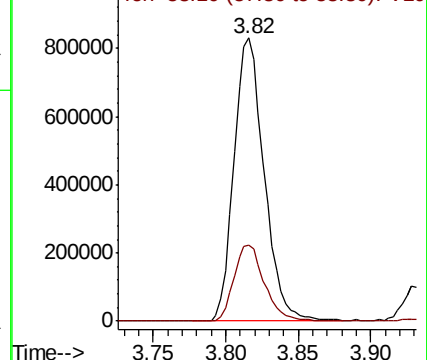
43 100

58 27.3 21.7 32.5



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 9.521 ppbv

RT: 3.29 min Scan# 155

Delta R.T. -0.01 min

Lab File: VL034986.D

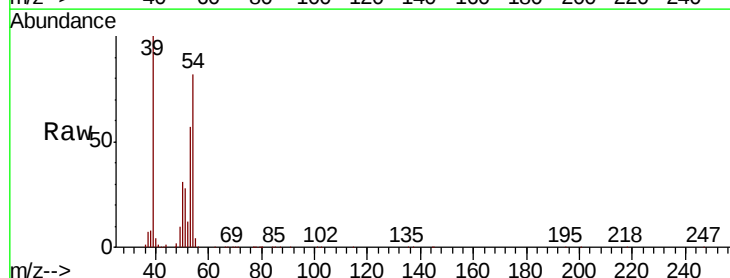
Acq: 12 May 2020 13:45

Tgt Ion: 39 Resp: 594214

Ion Ratio Lower Upper

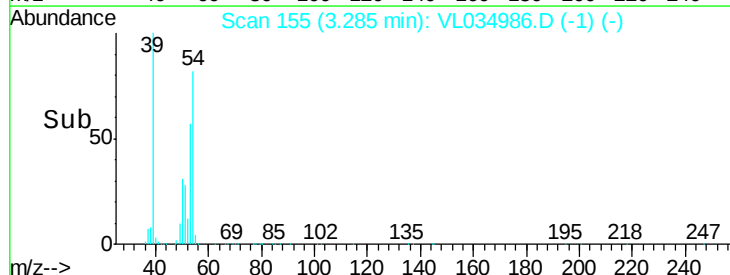
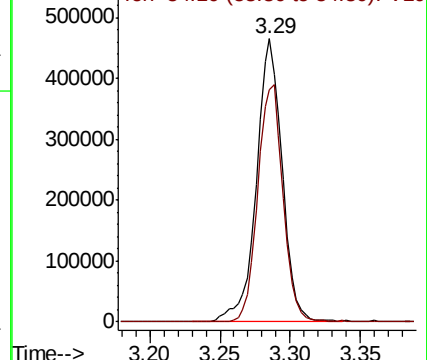
39 100

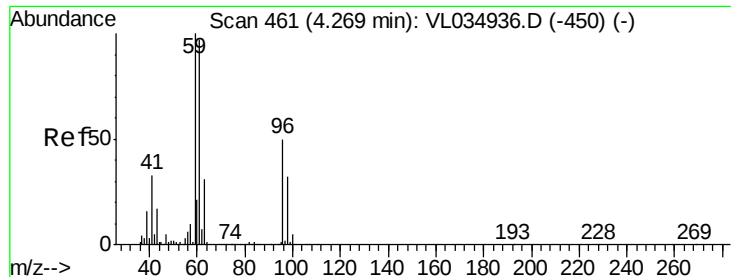
54 82.3 66.6 100.0



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0



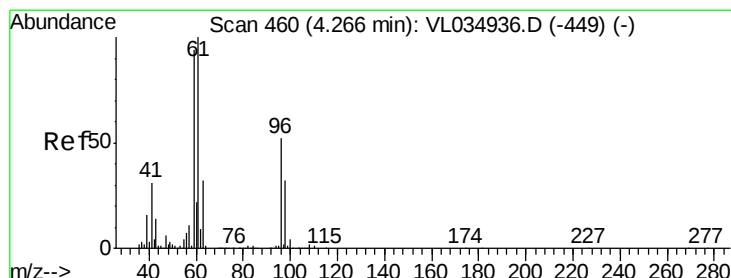
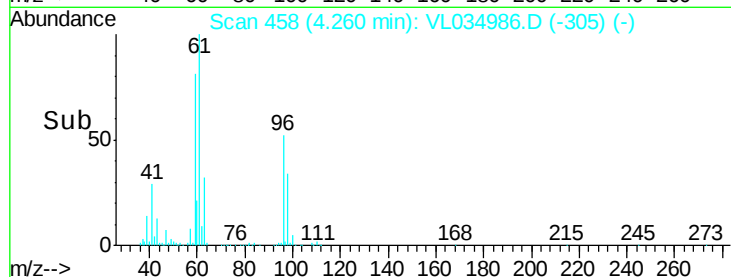
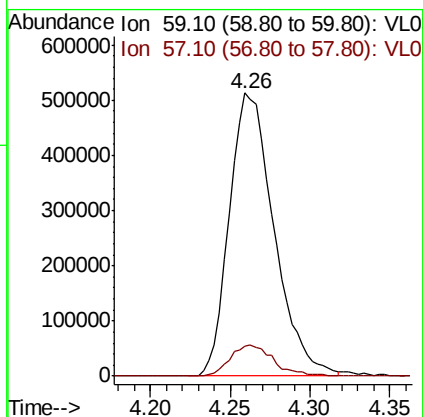
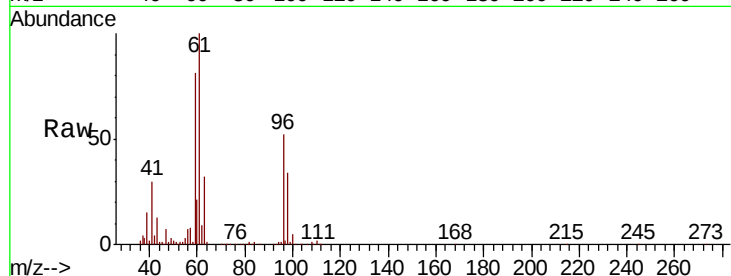


#17

tert-Butyl alcohol
Concen: 7.584 ppbv
RT: 4.26 min Scan# 458
Delta R.T. -0.01 min
Lab File: VL034986.D
Acq: 12 May 2020 13:45

Instrument :
MSVOA_L
ClientSampleId :
VL0512ABS01

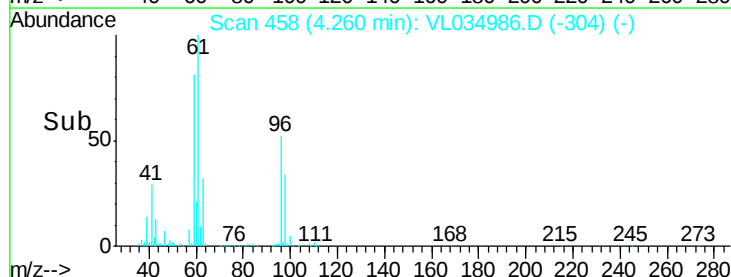
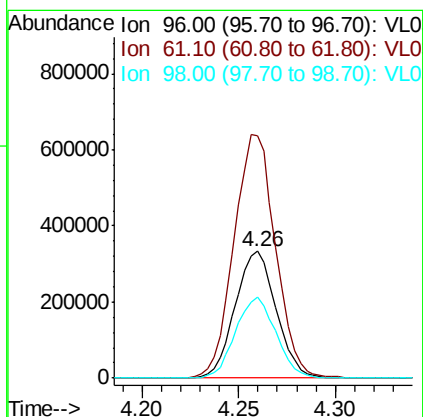
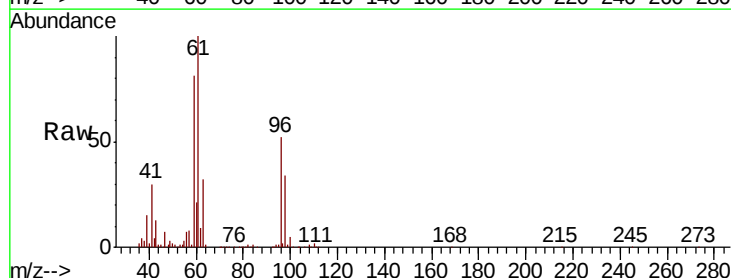
Tot Ion: 59 Resp: 978593
Ion Ratio Lower Upper
59 100
57 10.8 8.7 13.1

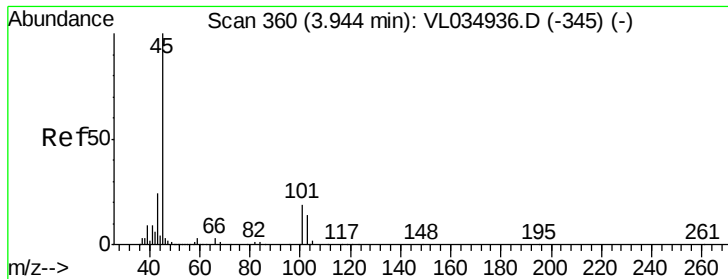


#18

1,1-Dichloroethene
Concen: 9.904 ppbv
RT: 4.26 min Scan# 458
Delta R.T. -0.01 min
Lab File: VL034986.D
Acq: 12 May 2020 13:45

Tgt Ion: 96 Resp: 491121
Ion Ratio Lower Upper
96 100
61 190.8 152.4 228.6
98 64.4 48.8 73.2





#19

Isopropyl Alcohol

Concen: 7.332 ppbv

RT: 3.93 min Scan# 357

Delta R.T. -0.01 min

Lab File: VL034986.D

Acq: 12 May 2020 13:45

Instrument :

MSVOA_L

ClientSampleId :

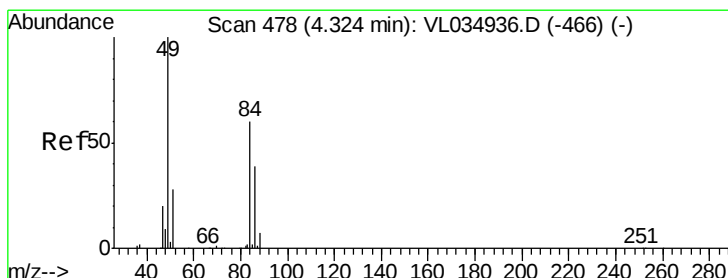
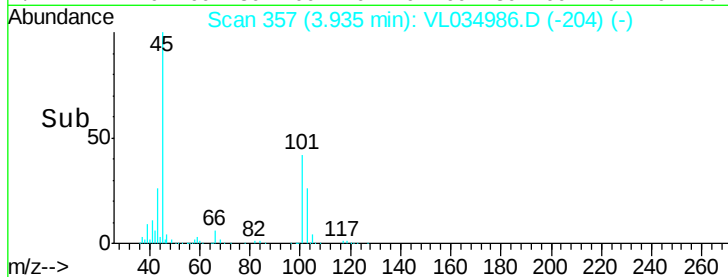
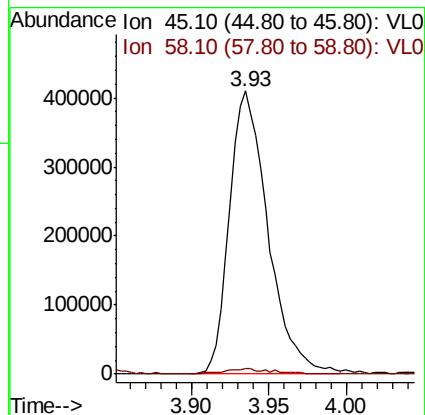
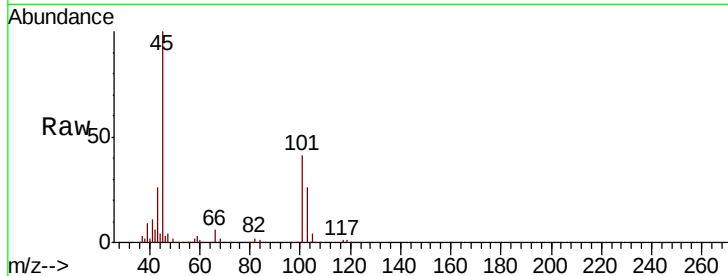
VL0512ABS01

Tot Ion: 45 Resp: 709136

Ion Ratio Lower Upper

45 100

58 2.7 1.7 2.5#



#20

Methylene Chloride

Concen: 9.162 ppbv

RT: 4.31 min Scan# 475

Delta R.T. -0.01 min

Lab File: VL034986.D

Acq: 12 May 2020 13:45

Tgt Ion: 84 Resp: 439827

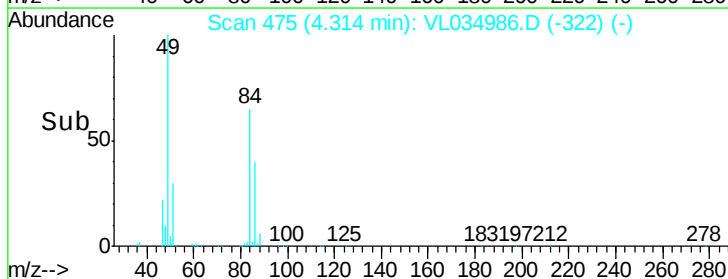
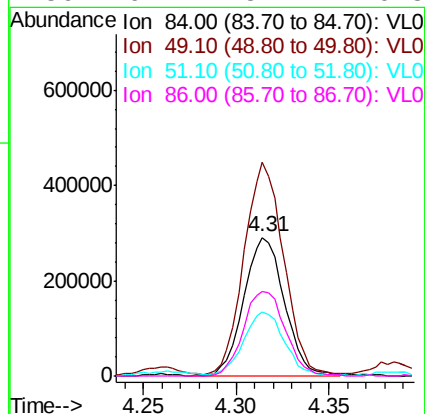
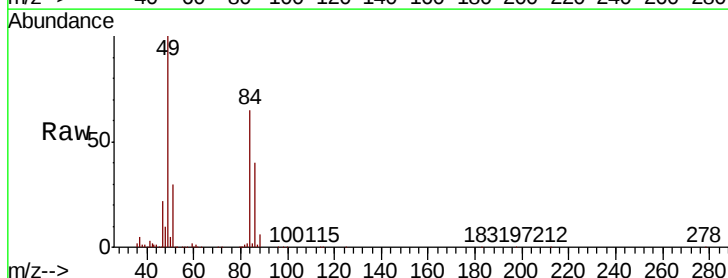
Ion Ratio Lower Upper

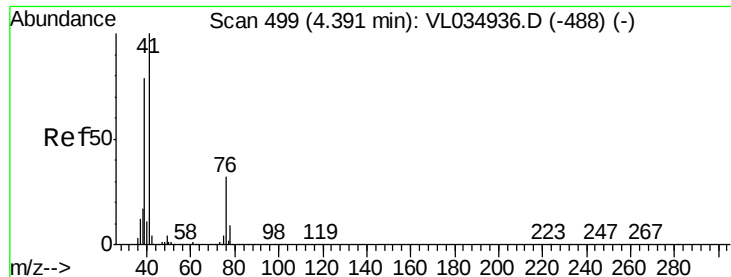
84 100

49 152.7 132.5 198.7

51 46.0 38.4 57.6

86 61.1 51.2 76.8





#21

Allvl Chloride

Concen: 10.125 ppbv

RT: 4.38 min Scan# 496

Delta R.T. -0.01 min

Lab File: VL034986.D

Acq: 12 May 2020 13:45

Instrument :

MSVOA_L

ClientSampleId :

VL0512ABS01

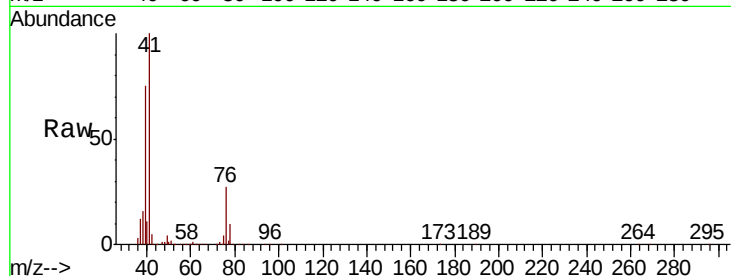
Tot Ion: 41 Resp: 829390

Ion Ratio Lower Upper

41 100

76 28.7 23.6 35.4

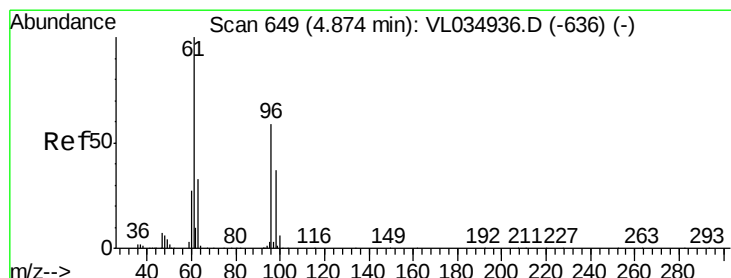
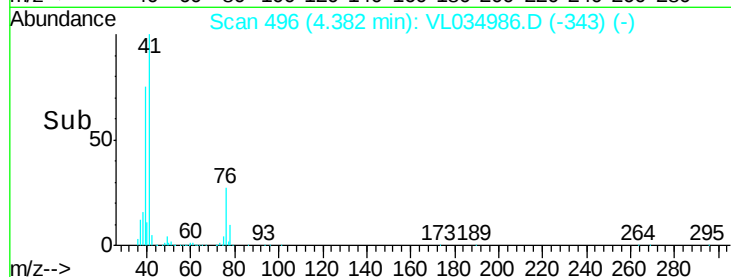
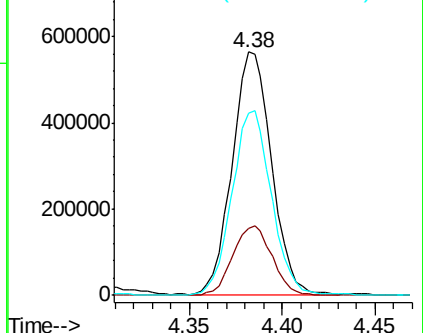
39 76.2 61.9 92.9



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: 9.771 ppbv

RT: 4.86 min Scan# 646

Delta R.T. -0.01 min

Lab File: VL034986.D

Acq: 12 May 2020 13:45

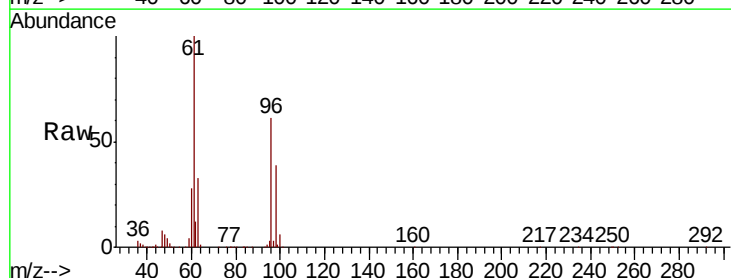
Tgt Ion: 96 Resp: 479973

Ion Ratio Lower Upper

96 100

61 165.3 135.3 202.9

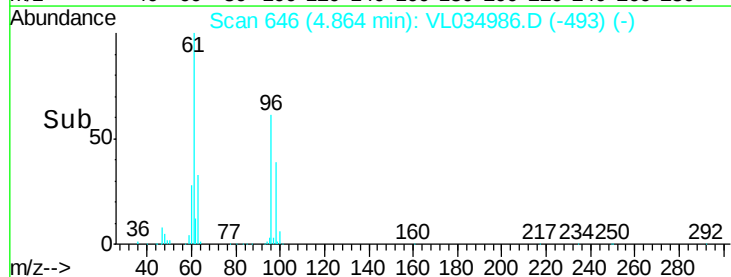
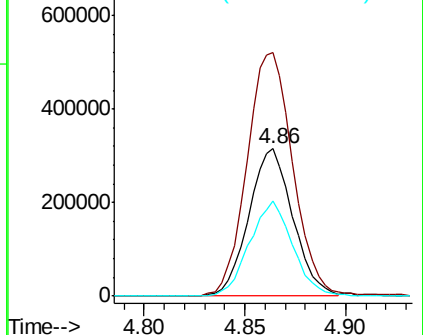
98 64.6 50.4 75.6

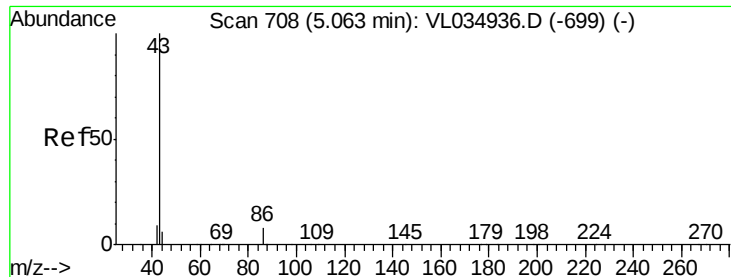


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 9.656 ppbv

RT: 5.05 min Scan# 705

Delta R.T. -0.01 min

Lab File: VL034986.D

Acq: 12 May 2020 13:45

Instrument :

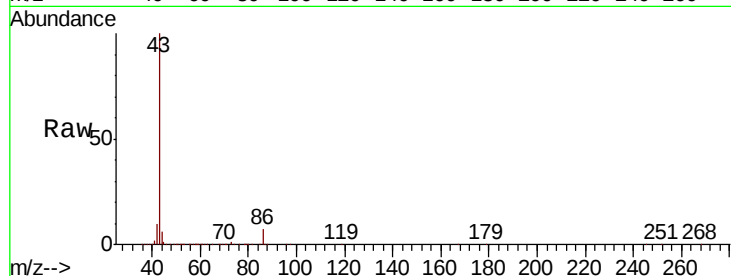
MSVOA_L

ClientSampleId :

VL0512ABS01

Tot Ion: 43 Resp: 1775754

Ion	Ratio	Lower	Upper
43	100		
86	6.9	5.5	8.3
42	9.6	8.0	12.0
44	5.5	4.5	6.7

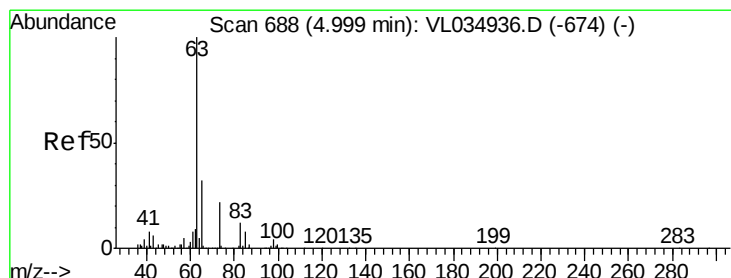
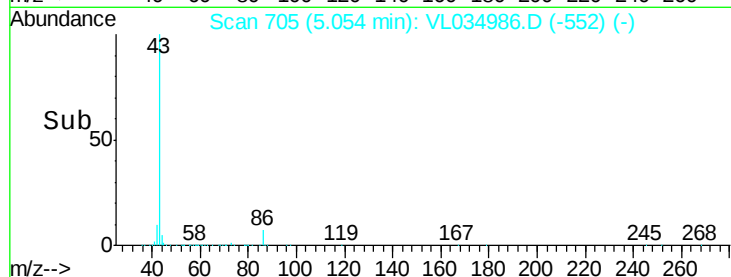


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.284 ppbv

RT: 4.99 min Scan# 685

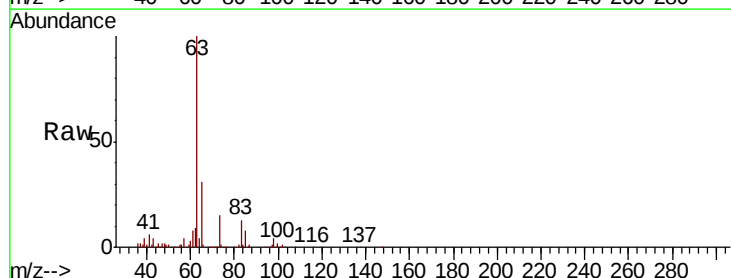
Delta R.T. -0.01 min

Lab File: VL034986.D

Acq: 12 May 2020 13:45

Tgt Ion: 63 Resp: 1315070

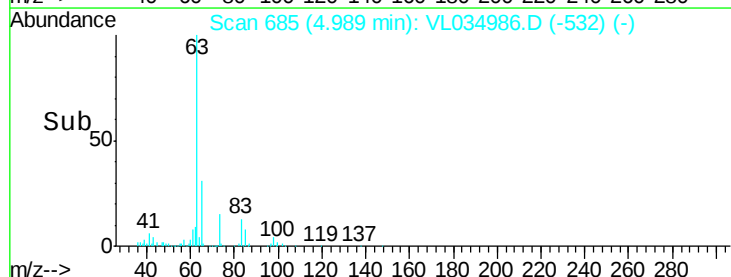
Ion	Ratio	Lower	Upper
63	100		
98	4.0	2.0	6.0
100	2.2	1.1	3.5

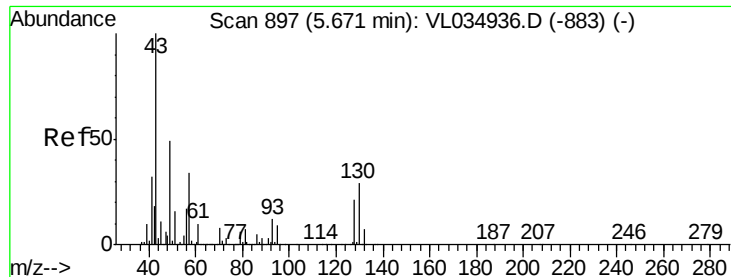


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 9.411 ppbv

RT: 5.66 min Scan# 894

Delta R.T. -0.01 min

Lab File: VL034986.D

Acq: 12 May 2020 13:45

Instrument :

MSVOA_L

ClientSampleId :

VL0512ABS01

Tot Ion: 43 Resp: 2292548

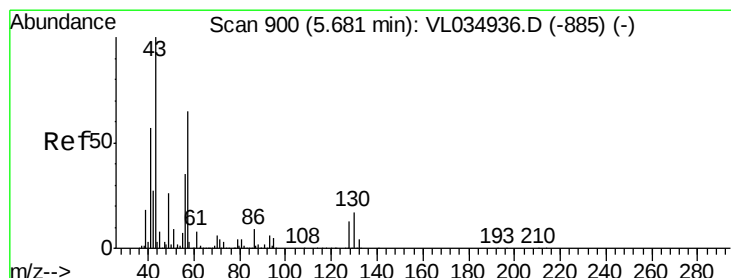
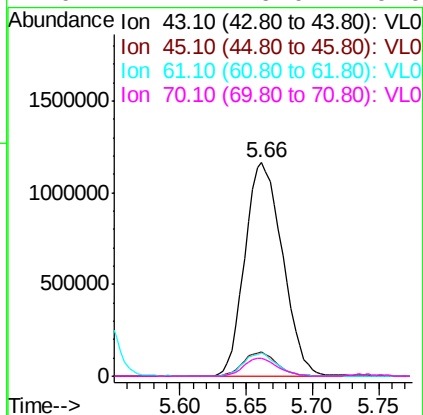
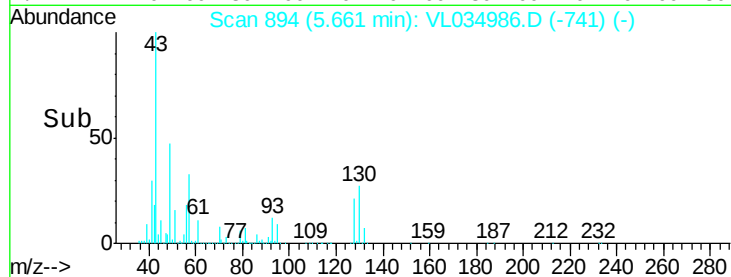
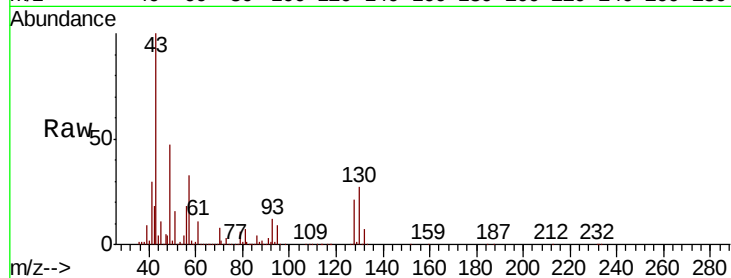
Ion	Ratio	Lower	Upper
43	100		
45	10.2	8.1	12.1
61	9.7	7.8	11.8
70	7.7	6.0	9.0

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: 9.688 ppbv

RT: 5.67 min Scan# 898

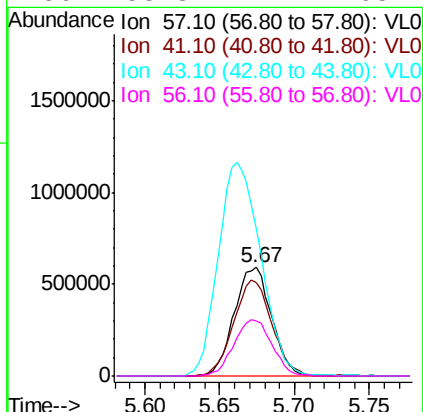
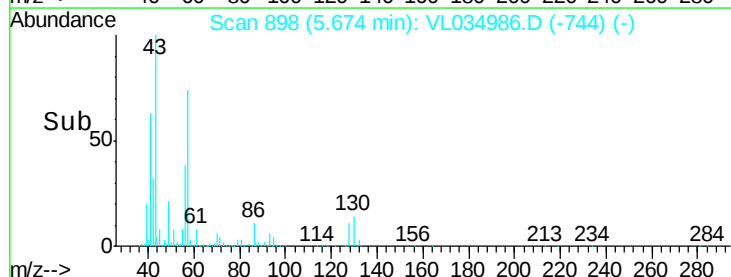
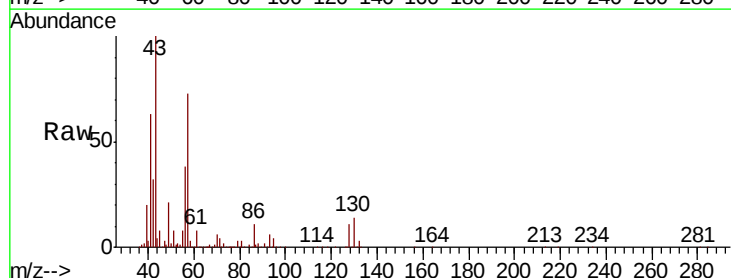
Delta R.T. -0.01 min

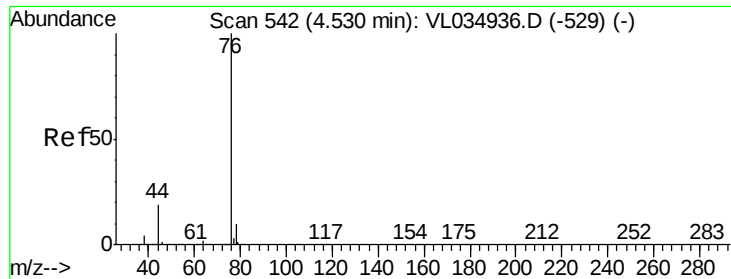
Lab File: VL034986.D

Acq: 12 May 2020 13:45

Tgt Ion: 57 Resp: 1023153

Ion	Ratio	Lower	Upper
57	100		
41	91.1	72.7	109.1
43	225.8	182.1	273.1
56	53.3	42.2	63.2





#27

Carbon Disulfide

Concen: 10.225 ppbv

RT: 4.52 min Scan# 540

Delta R.T. -0.01 min

Lab File: VL034986.D

Acq: 12 May 2020 13:45

Instrument :

MSVOA_L

ClientSampleId :

VL0512ABS01

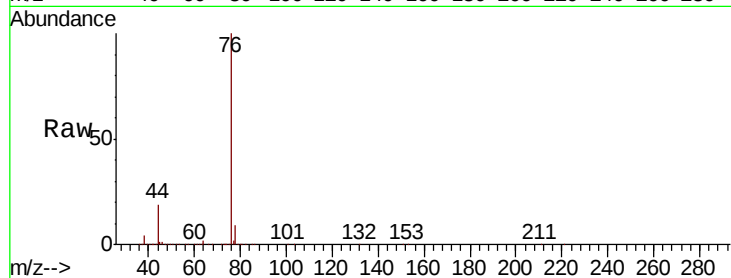
Tot Ion: 76 Resp: 1272762

Ion Ratio Lower Upper

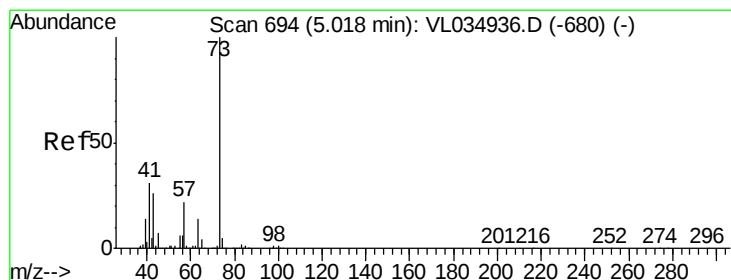
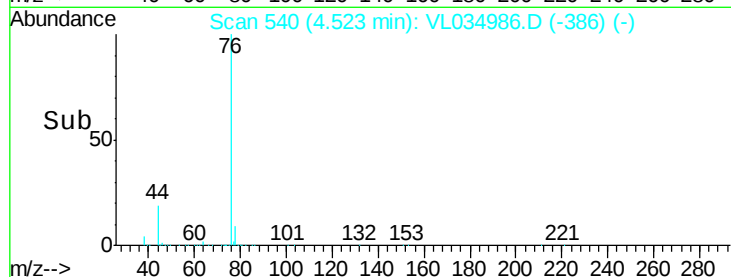
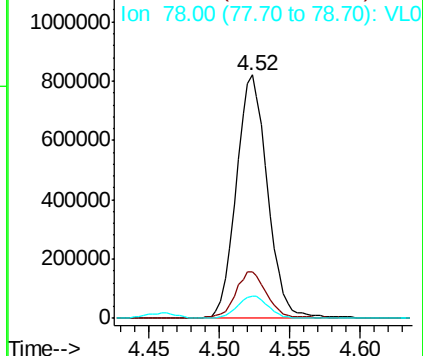
76 100

44 18.7 15.2 22.8

78 9.2 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: 9.324 ppbv

RT: 5.01 min Scan# 692

Delta R.T. -0.01 min

Lab File: VL034986.D

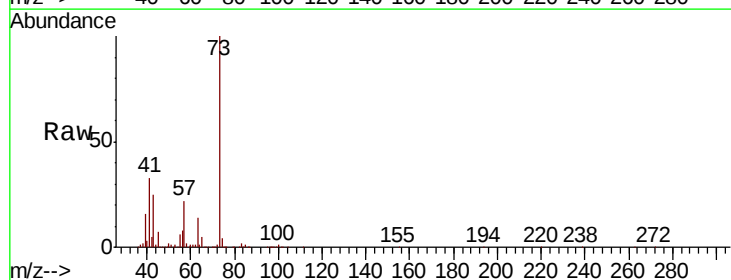
Acq: 12 May 2020 13:45

Tgt Ion: 73 Resp: 1499631

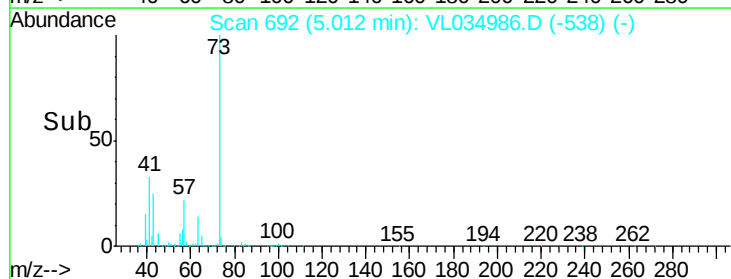
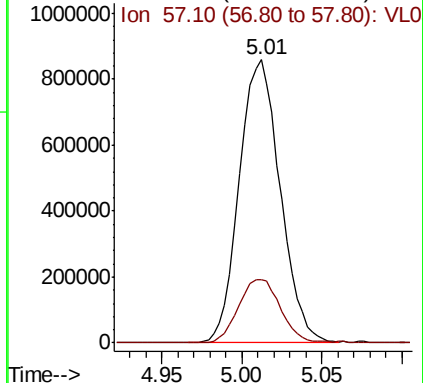
Ion Ratio Lower Upper

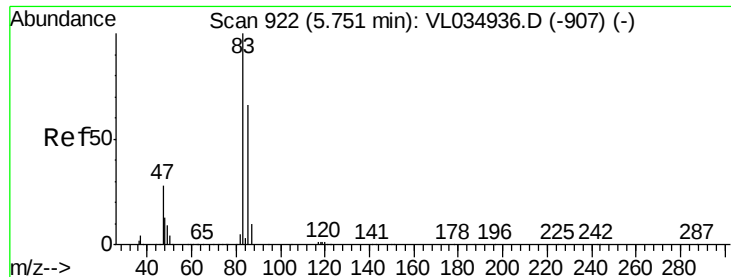
73 100

57 23.1 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: 9.161 ppbv

RT: 5.74 min Scan# 919

Delta R.T. -0.01 min

Lab File: VL034986.D

Acq: 12 May 2020 13:45

Instrument :

MSVOA_L

ClientSampleId :

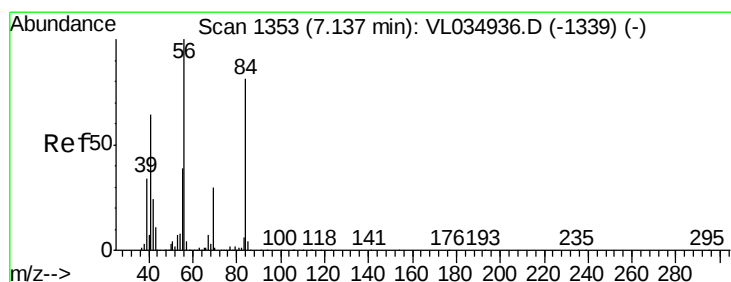
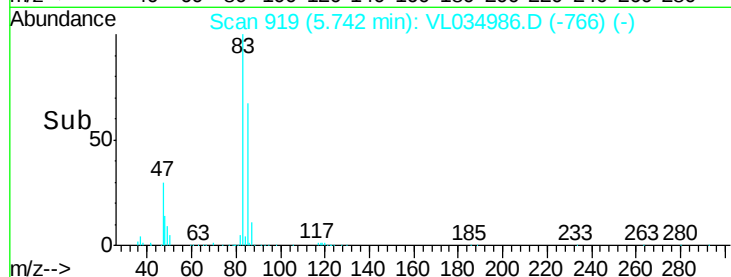
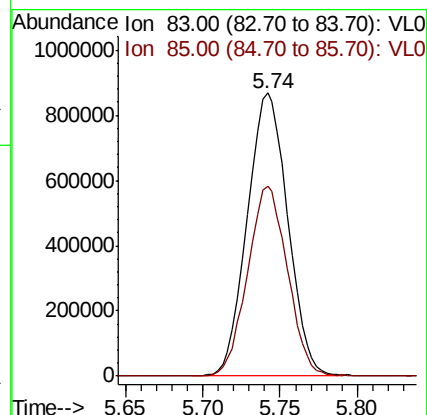
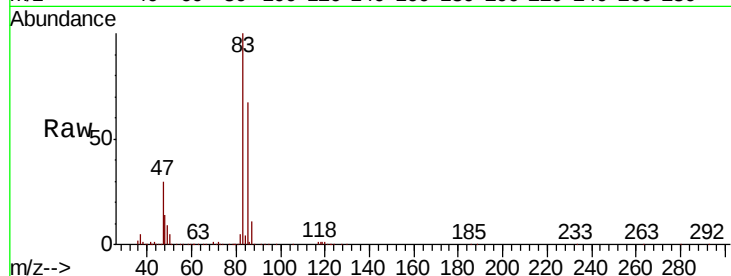
VL0512ABS01

Tot Ion: 83 Resp: 1583027

Ion Ratio Lower Upper

83 100

85 66.9 53.0 79.6



#30

Cyclohexane

Concen: 10.471 ppbv

RT: 7.13 min Scan# 1350

Delta R.T. -0.01 min

Lab File: VL034986.D

Acq: 12 May 2020 13:45

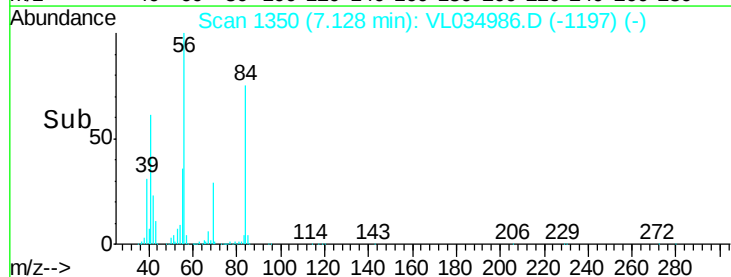
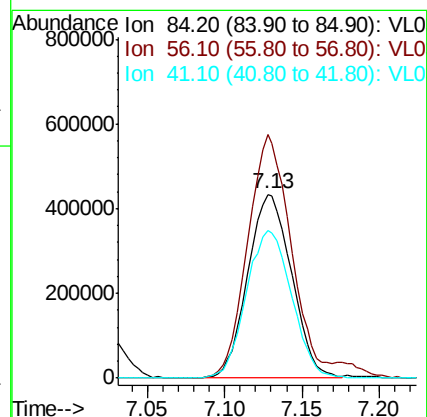
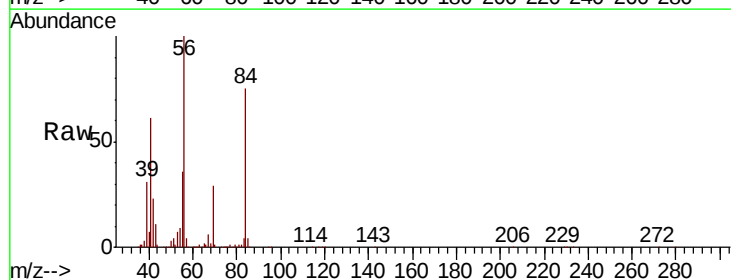
Tgt Ion: 84 Resp: 853324

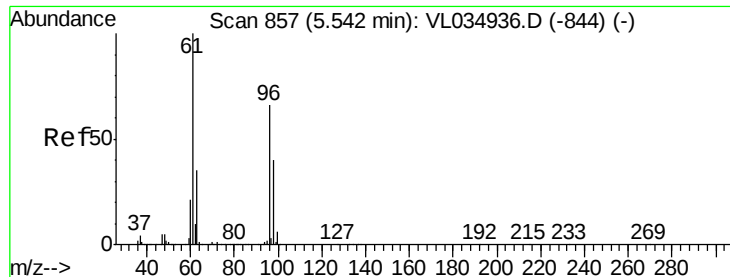
Ion Ratio Lower Upper

84 100

56 137.4 111.4 167.2

41 83.2 66.7 100.1



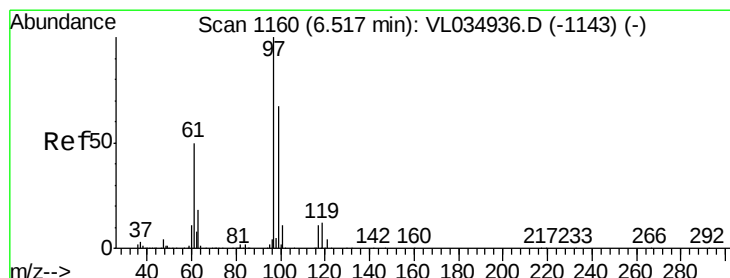
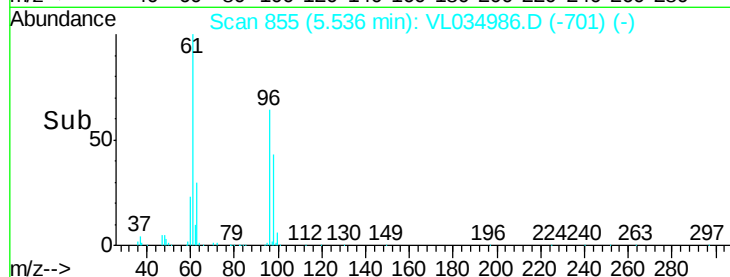
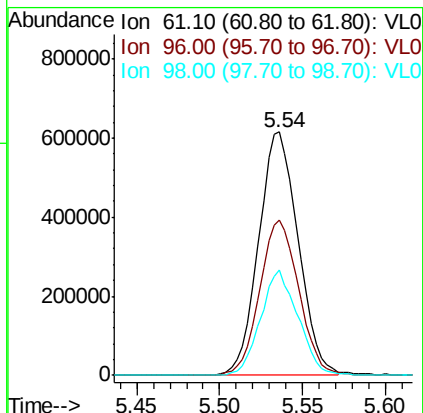
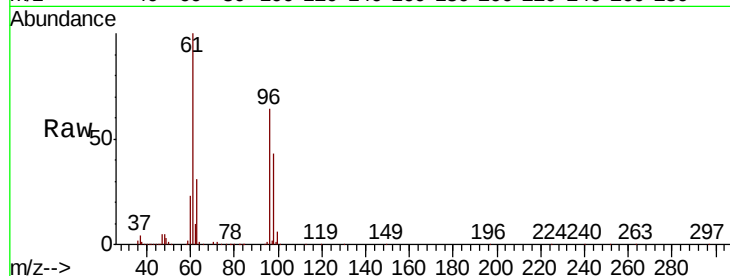


#31

cis-1,2-Dichloroethene
 Concen: 9.902 ppbv
 RT: 5.54 min Scan# 855
 Delta R.T. -0.01 min
 Lab File: VL034986.D
 Acq: 12 May 2020 13:45

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0512ABS01

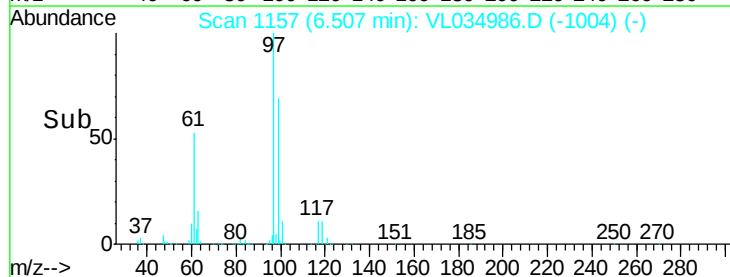
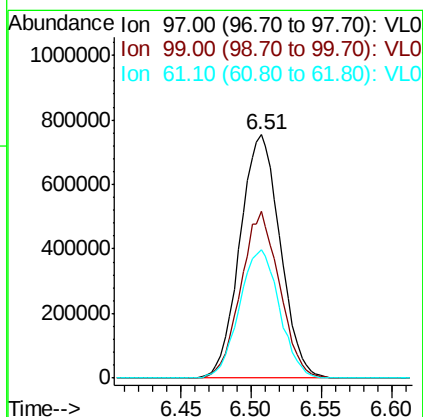
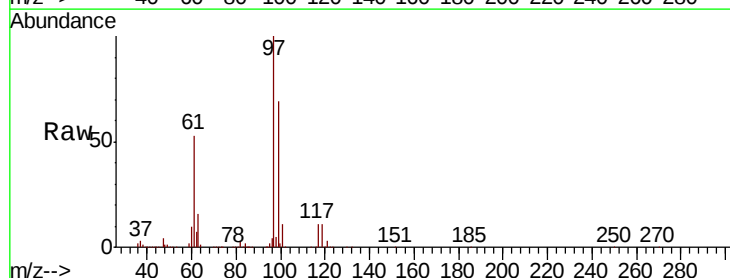
Tot Ion: 61 Resp: 1020292
 Ion Ratio Lower Upper
 61 100
 96 63.8 53.0 79.6
 98 43.2 32.2 48.2

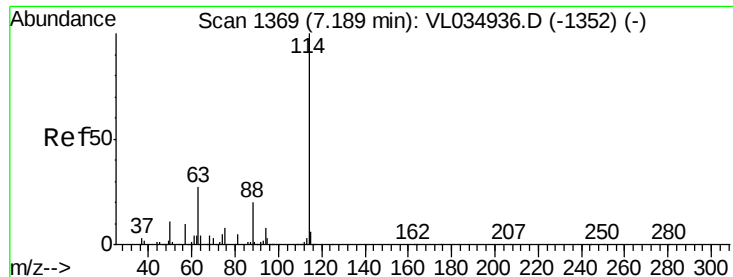


#32

1,1,1-Trichloroethane
 Concen: 9.660 ppbv
 RT: 6.51 min Scan# 1157
 Delta R.T. -0.01 min
 Lab File: VL034986.D
 Acq: 12 May 2020 13:45

Tgt Ion: 97 Resp: 1507352
 Ion Ratio Lower Upper
 97 100
 99 65.9 52.1 78.1
 61 52.7 41.8 62.8

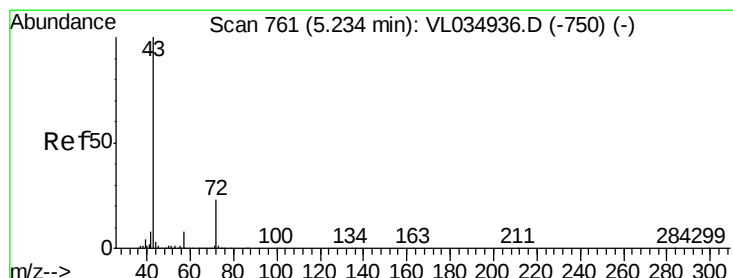
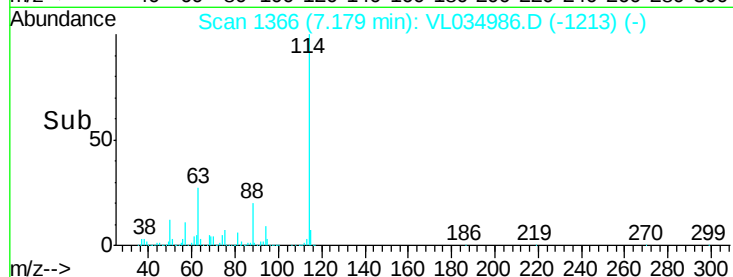
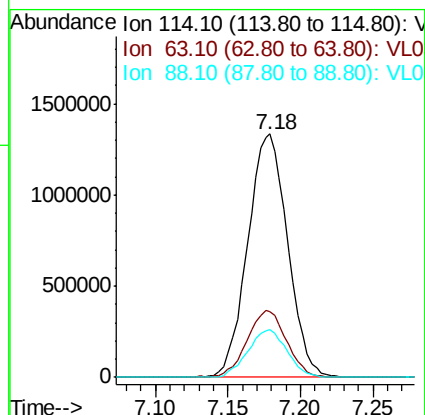
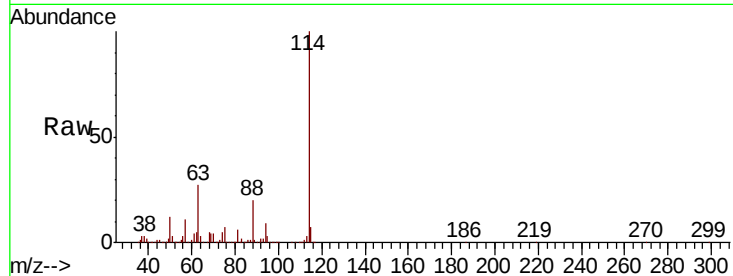




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1366
 Delta R.T. -0.01 min
 Lab File: VL034986.D
 Acq: 12 May 2020 13:45

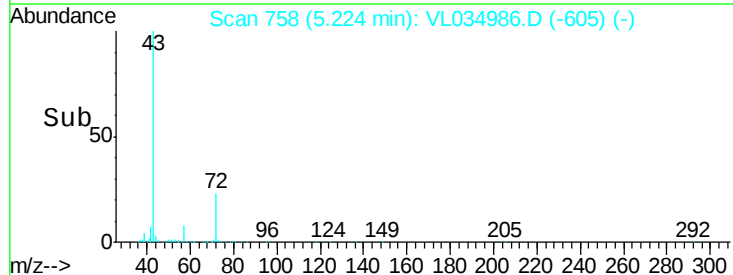
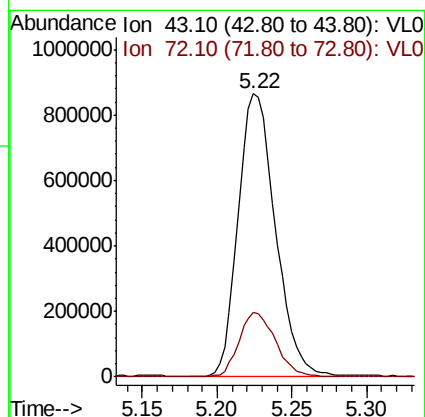
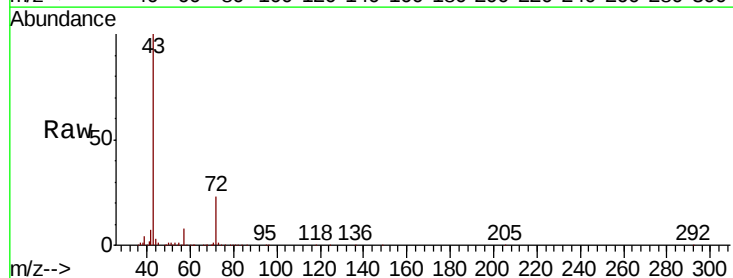
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0512ABS01

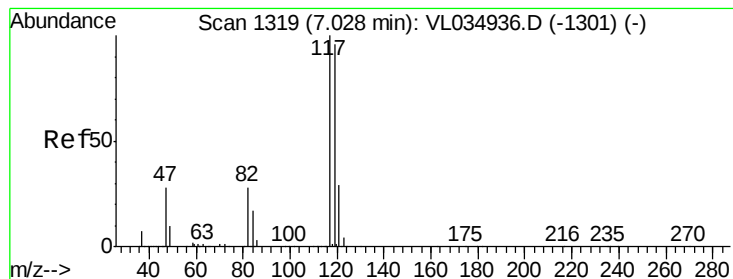
Tot Ion:114 Resp: 2551828
 Ion Ratio Lower Upper
 114 100
 63 27.5 22.2 33.4
 88 19.3 15.5 23.3



#34
 2-Butanone
 Concen: 9.468 ppbv
 RT: 5.22 min Scan# 758
 Delta R.T. -0.01 min
 Lab File: VL034986.D
 Acq: 12 May 2020 13:45

Tgt Ion: 43 Resp: 1501681
 Ion Ratio Lower Upper
 43 100
 72 22.5 18.0 27.0





#35

Carbon Tetrachloride

Concen: 9.815 ppbv

RT: 7.02 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VL034986.D

Acq: 12 May 2020 13:45

Instrument :

MSVOA_L

ClientSampleId :

VL0512ABS01

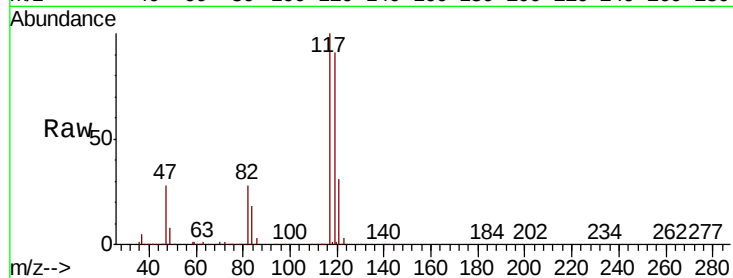
Tot Ion:117 Resp: 1580775

Ion Ratio Lower Upper

117 100

119 91.5 77.0 115.6

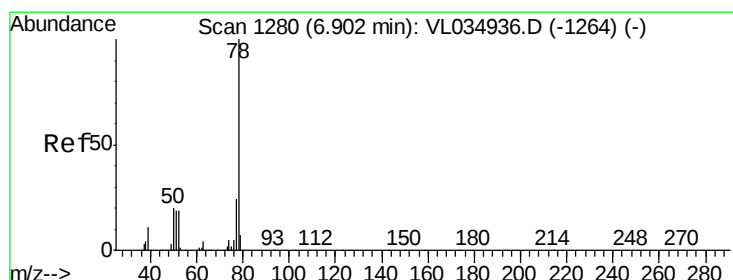
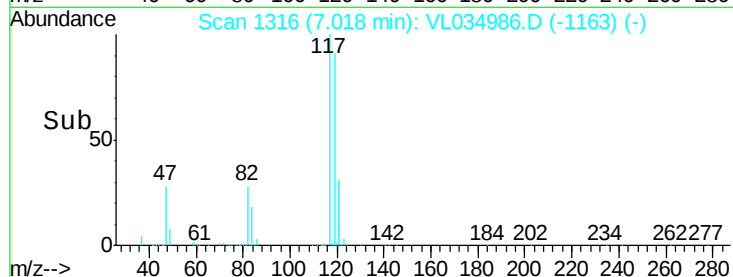
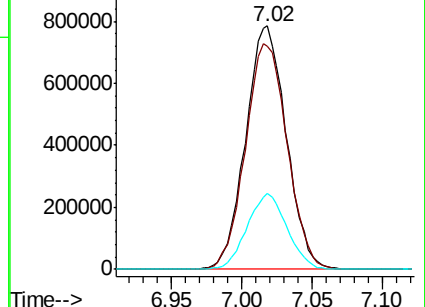
121 30.9 23.0 34.6



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: 9.758 ppbv

RT: 6.89 min Scan# 1276

Delta R.T. -0.01 min

Lab File: VL034986.D

Acq: 12 May 2020 13:45

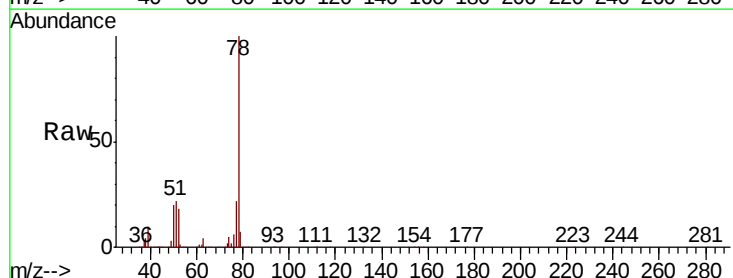
Tgt Ion: 78 Resp: 2053012

Ion Ratio Lower Upper

78 100

77 21.5 19.0 28.6

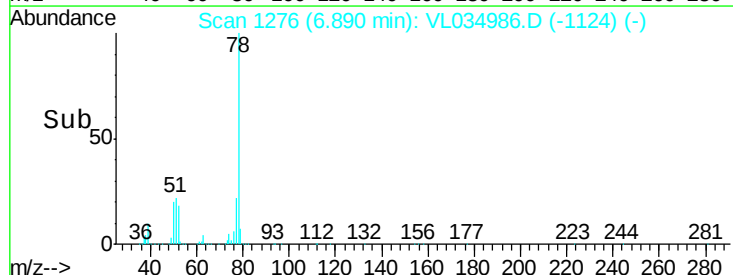
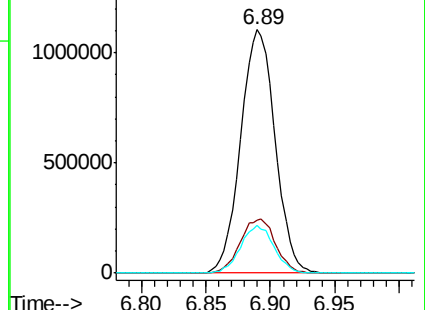
50 19.6 15.8 23.8

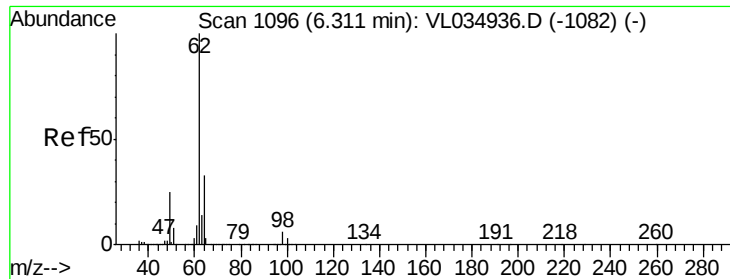


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

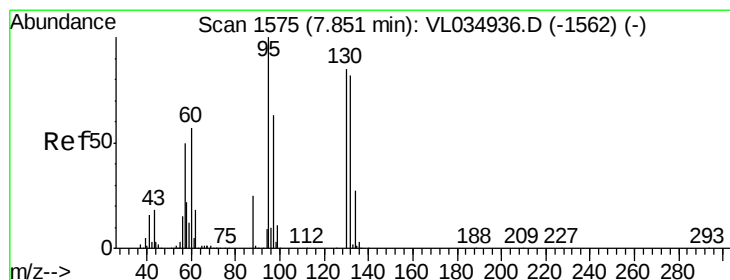
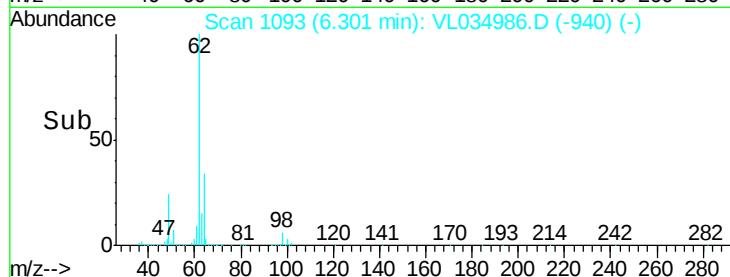
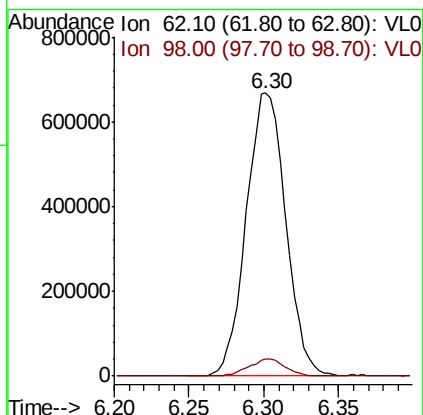
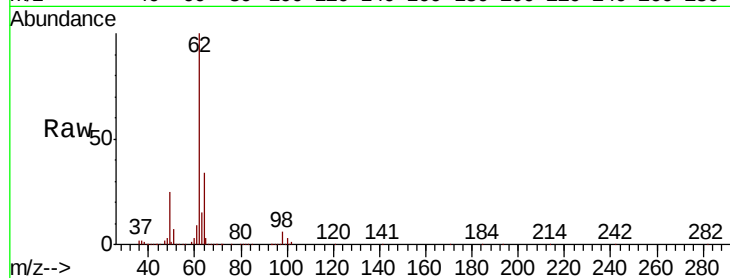




#37
 1,2-Dichloroethane
 Concen: 9.468 ppbv
 RT: 6.30 min Scan# 1093
 Delta R.T. -0.01 min
 Lab File: VL034986.D
 Acq: 12 May 2020 13:45

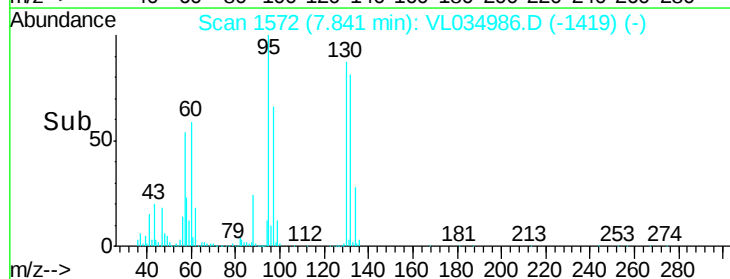
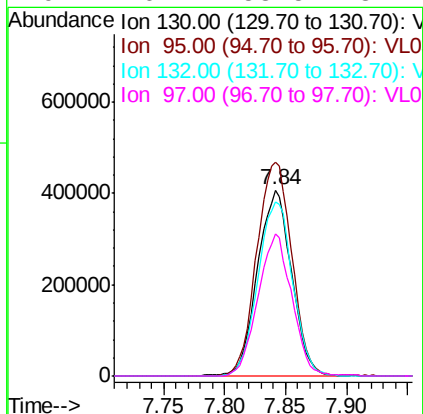
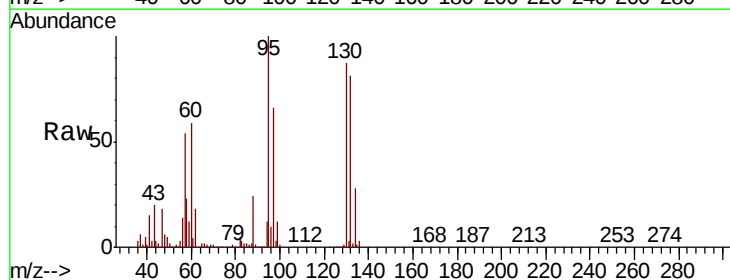
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0512ABS01

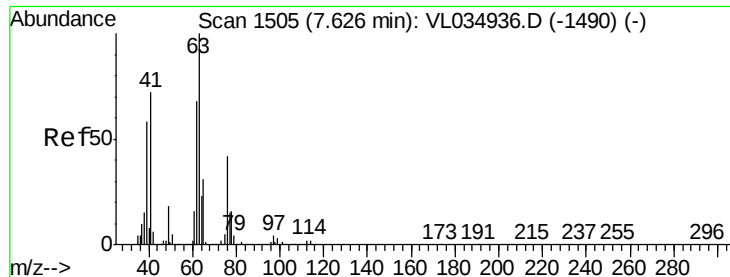
Tot Ion: 62 Resp: 1228730
 Ion Ratio Lower Upper
 62 100
 98 5.7 4.8 7.2



#38
 Trichloroethene
 Concen: 9.657 ppbv
 RT: 7.84 min Scan# 1572
 Delta R.T. -0.01 min
 Lab File: VL034986.D
 Acq: 12 May 2020 13:45

Tgt Ion:130 Resp: 787101
 Ion Ratio Lower Upper
 130 100
 95 114.9 93.4 140.0
 132 93.5 76.4 114.6
 97 76.2 58.5 87.7





#39

1,2-Dichloropropane

Concen: 9.614 ppbv

RT: 7.62 min Scan# 1502

Delta R.T. -0.01 min

Lab File: VL034986.D

Acq: 12 May 2020 13:45

Instrument :

MSVOA_L

ClientSampleId :

VL0512ABS01

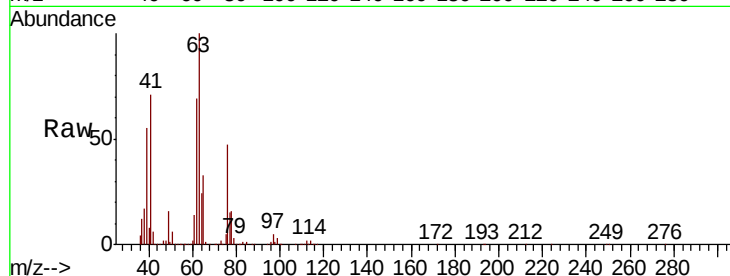
Tot Ion: 63 Resp: 810854

Ion Ratio Lower Upper

63 100

41 71.0 57.8 86.8

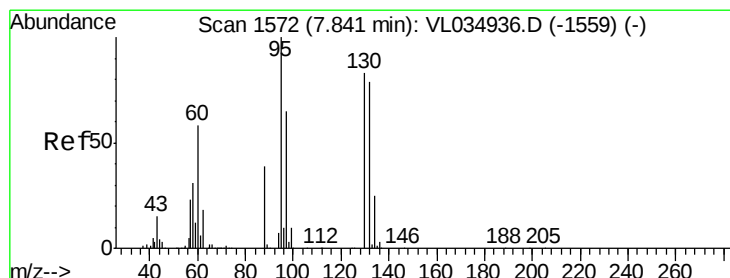
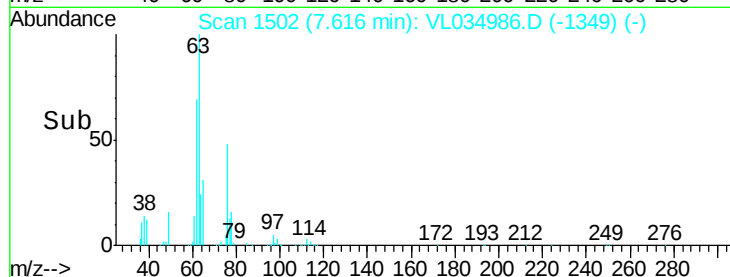
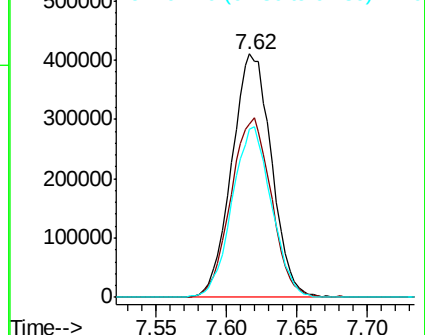
62 69.0 54.2 81.2



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: 8.554 ppbv

RT: 7.83 min Scan# 1570

Delta R.T. -0.01 min

Lab File: VL034986.D

Acq: 12 May 2020 13:45

Tgt Ion: 88 Resp: 293254

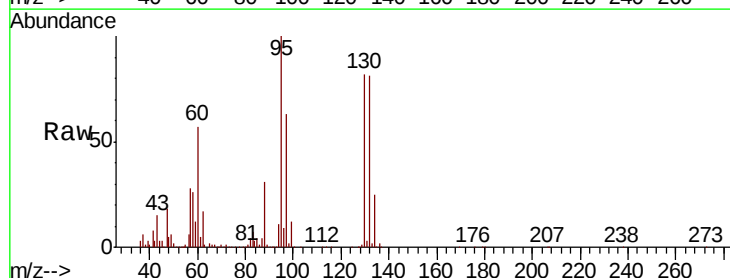
Ion Ratio Lower Upper

88 100

58 135.5 105.1 157.7

43 276.3 202.6 303.8

57 1218.3 869.4 1304.0

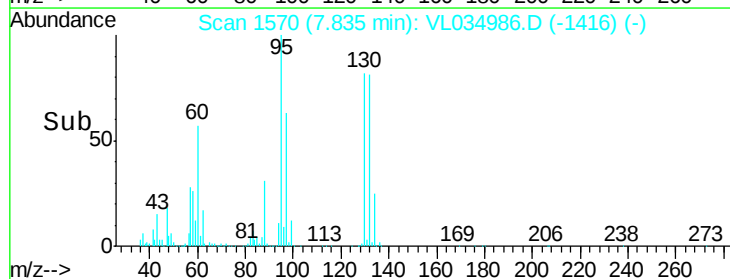
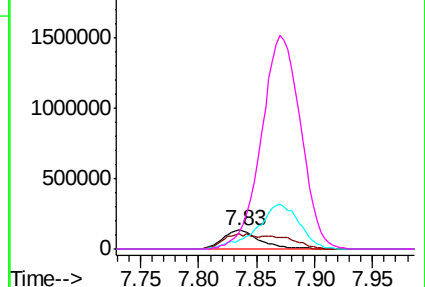


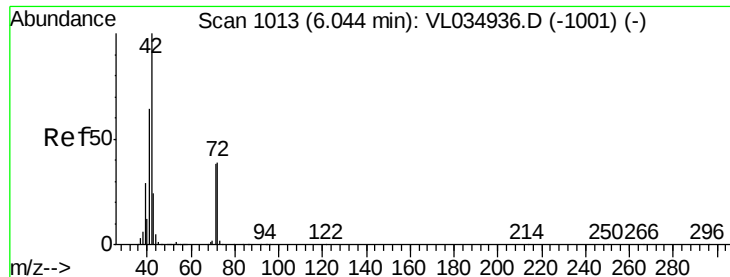
Abundance Ion 88.10 (87.80 to 88.80): VL0

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

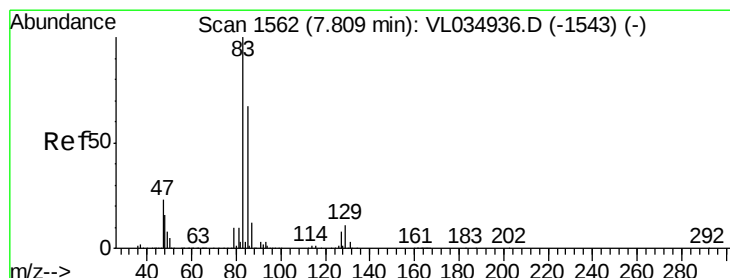
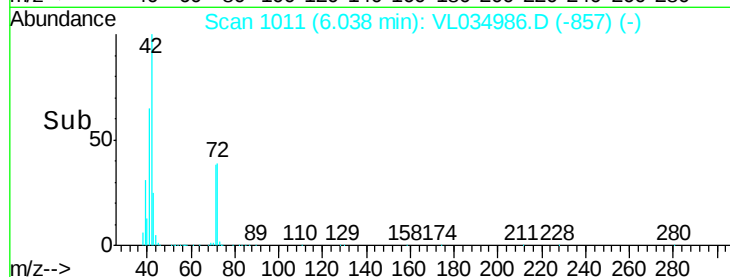
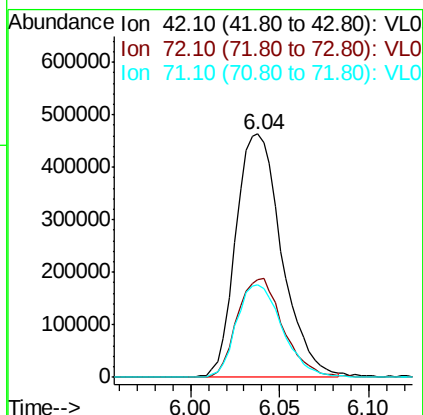
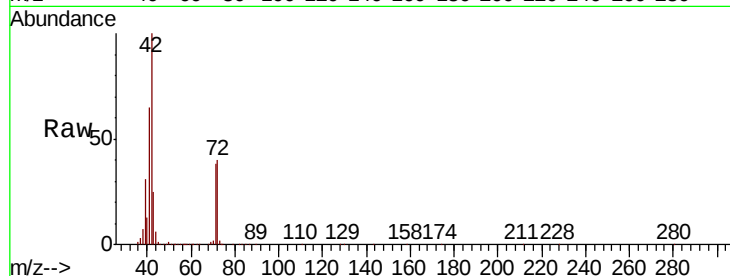




#41
Tetrahydrofuran
Concen: 9.974 ppbv
RT: 6.04 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VL034986.D
Acq: 12 May 2020 13:45

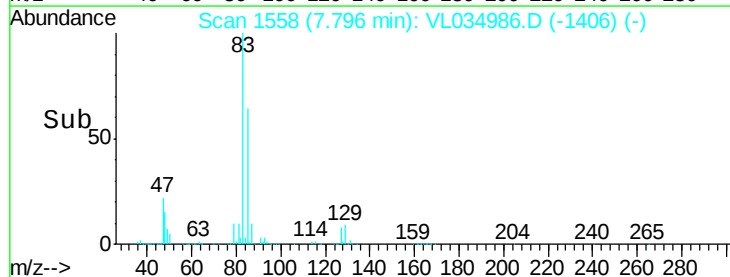
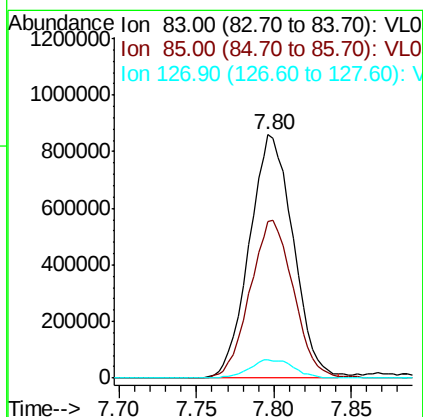
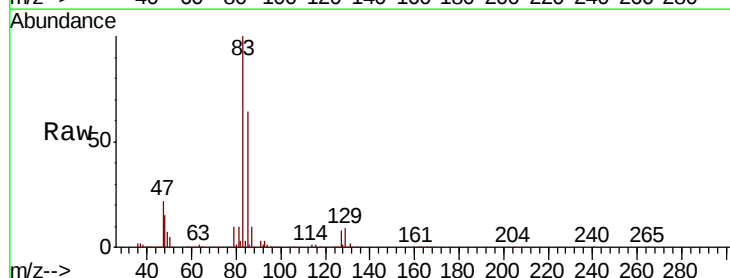
Instrument :
MSVOA_L
ClientSampleId :
VL0512ABS01

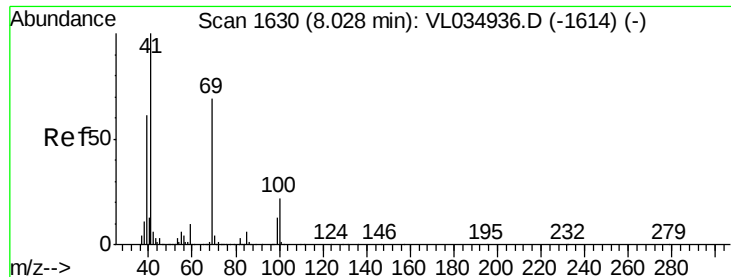
Tot Ion: 42 Resp: 832833
Ion Ratio Lower Upper
42 100
72 40.7 31.4 47.0
71 38.3 29.8 44.8



#42
Bromodichloromethane
Concen: 9.658 ppbv
RT: 7.80 min Scan# 1558
Delta R.T. -0.01 min
Lab File: VL034986.D
Acq: 12 May 2020 13:45

Tgt Ion: 83 Resp: 1690496
Ion Ratio Lower Upper
83 100
85 64.0 53.4 80.0
127 7.7 6.1 9.1





#43

Methyl Methacrylate

Concen: 10.466 ppbv

RT: 8.02 min Scan# 1627

Delta R.T. -0.01 min

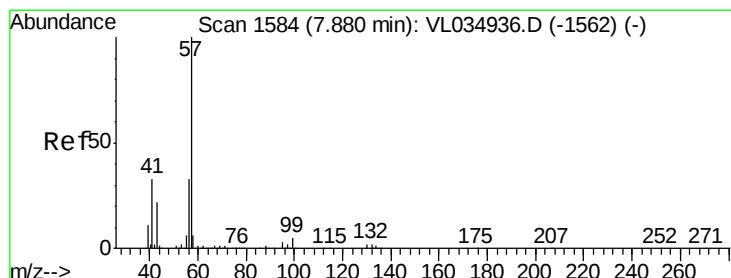
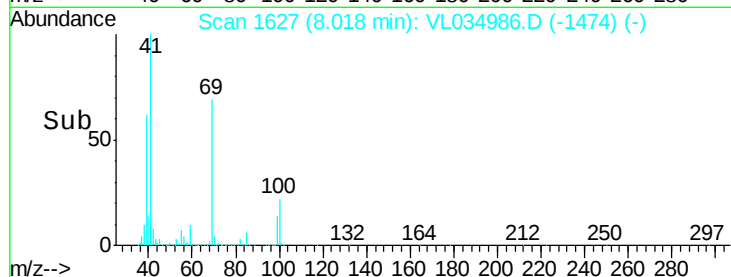
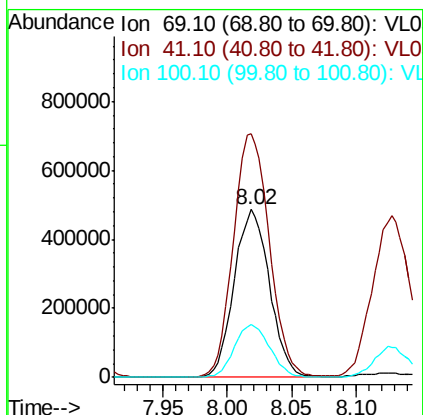
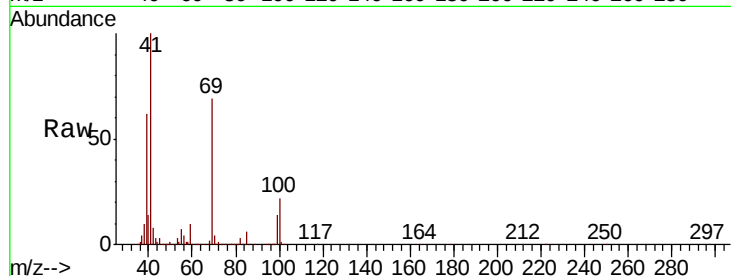
Lab File: VL034986.D

Acq: 12 May 2020 13:45

Instrument :
MSVOA_L
ClientSampleId :
VL0512ABS01

Tot Ion: 69 Resp: 929821

Ion	Ratio	Lower	Upper
69	100		
41	147.4	119.8	179.6
100	31.8	25.0	37.6



#44

2,2,4-Trimethylpentane

Concen: 9.533 ppbv

RT: 7.87 min Scan# 1581

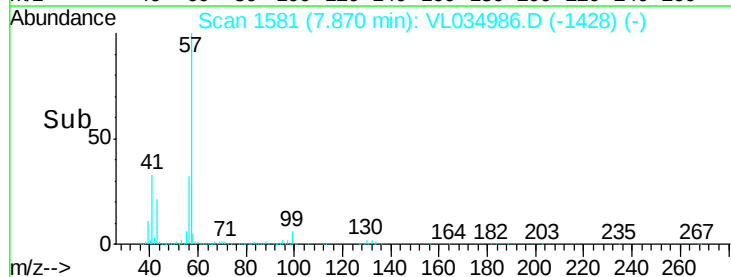
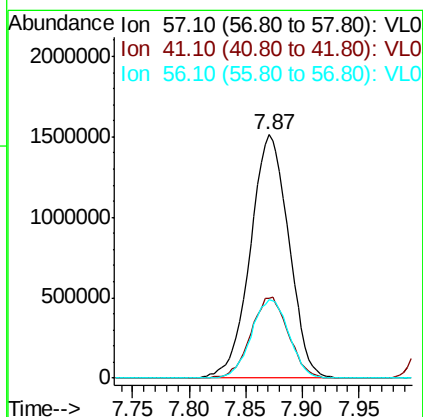
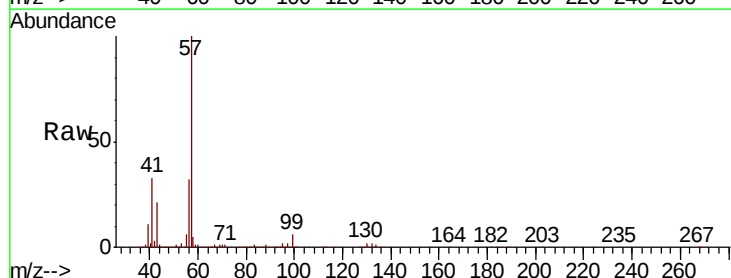
Delta R.T. -0.01 min

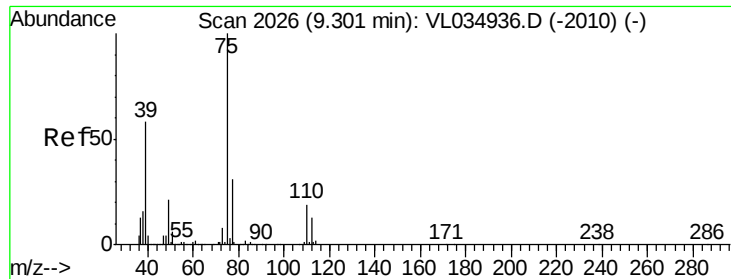
Lab File: VL034986.D

Acq: 12 May 2020 13:45

Tgt Ion: 57 Resp: 3565593

Ion	Ratio	Lower	Upper
57	100		
41	32.6	26.4	39.6
56	31.6	25.5	38.3



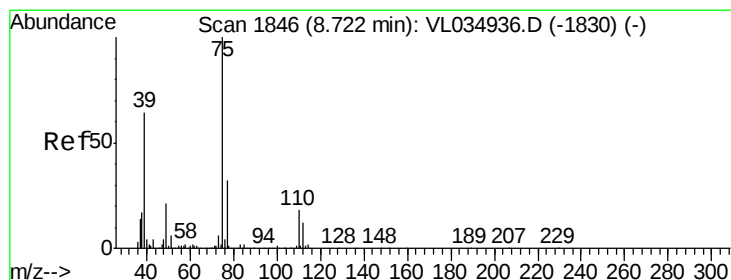
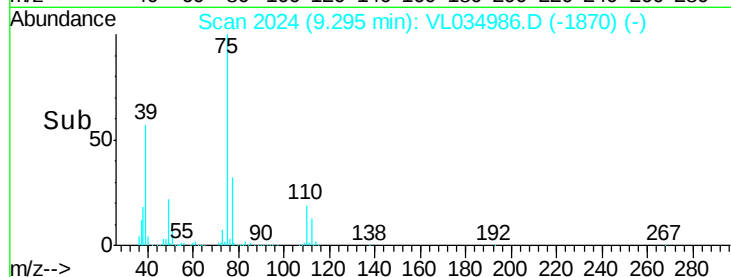
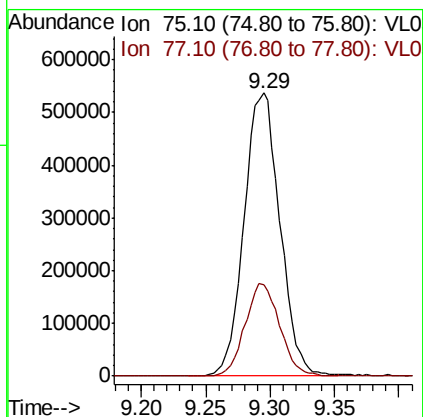
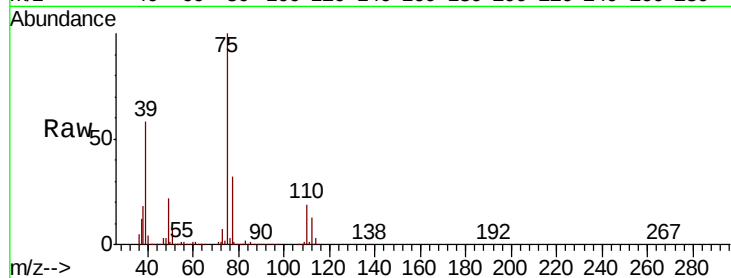


#45
t-1,3-Dichloropropene
Concen: 11.582 ppbv
RT: 9.29 min Scan# 2024
Delta R.T. -0.01 min
Lab File: VL034986.D
Acq: 12 May 2020 13:45

Instrument :
MSVOA_L
ClientSampleId :
VL0512ABS01

Tot Ion: 75 Resp: 1038323

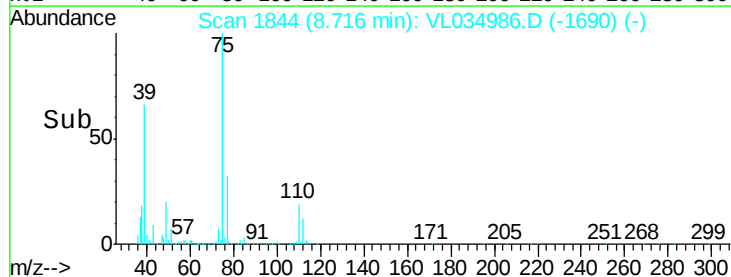
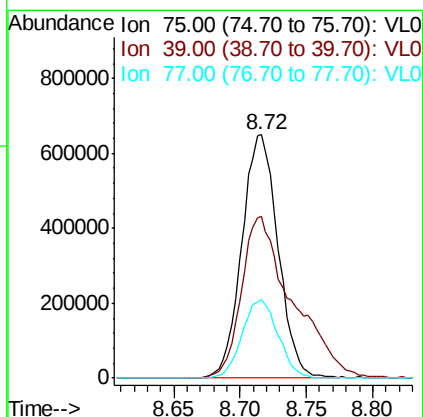
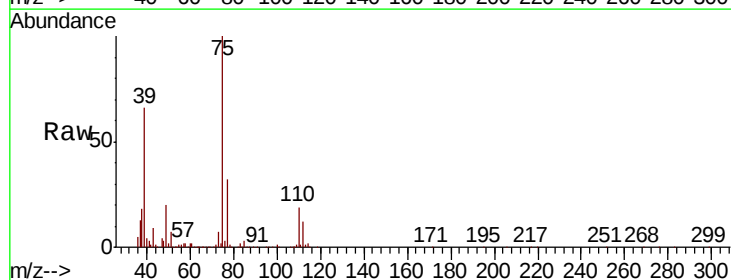
Ion	Ratio	Lower	Upper
75	100		
77	32.4	24.9	37.3

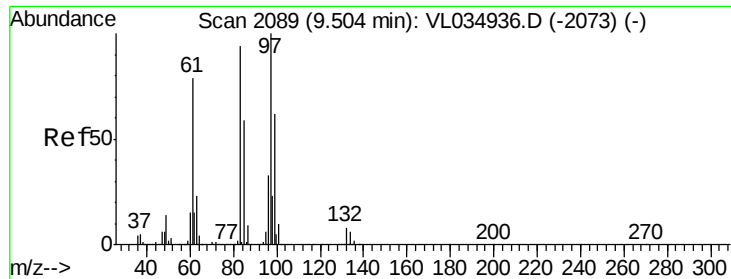


#46
cis-1,3-Dichloropropene
Concen: 11.181 ppbv
RT: 8.72 min Scan# 1844
Delta R.T. -0.01 min
Lab File: VL034986.D
Acq: 12 May 2020 13:45

Tgt Ion: 75 Resp: 1230641

Ion	Ratio	Lower	Upper
75	100		
39	66.1	51.5	77.3
77	32.0	25.5	38.3

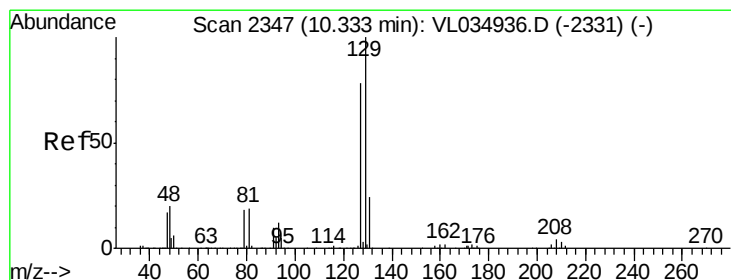
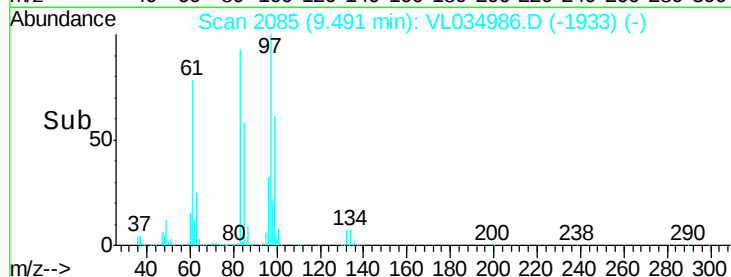
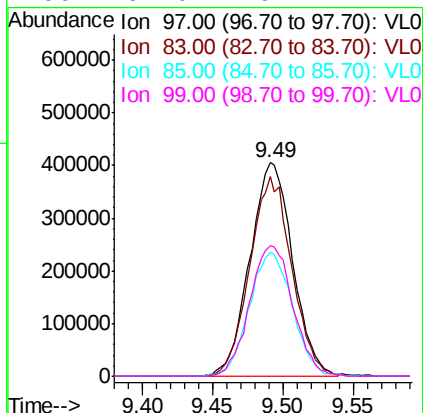
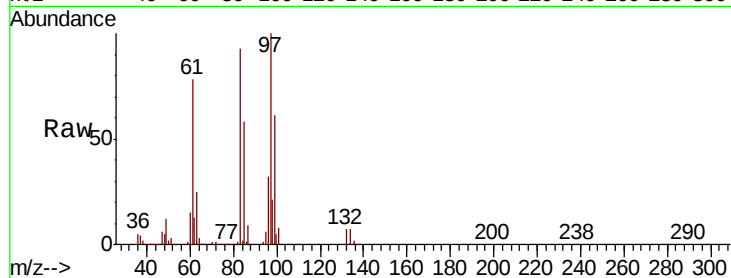




#47
 1,1,2-Trichloroethane
 Concen: 9.649 ppbv
 RT: 9.49 min Scan# 2085
 Delta R.T. -0.01 min
 Lab File: VL034986.D
 Acq: 12 May 2020 13:45

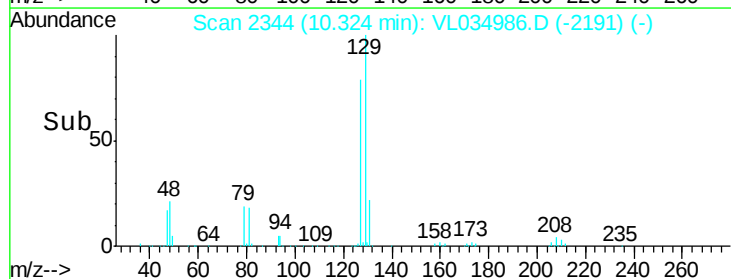
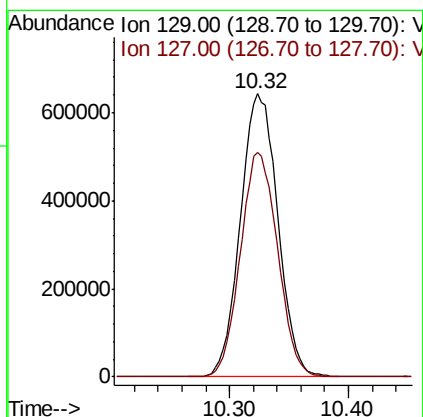
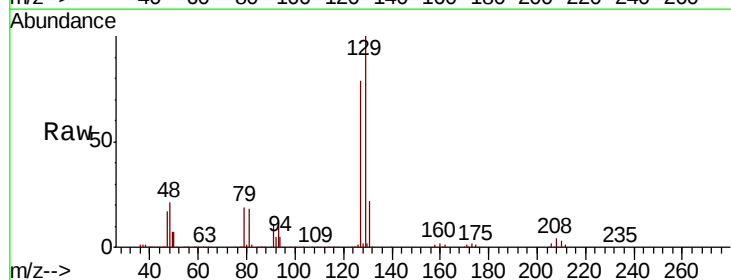
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0512ABS01

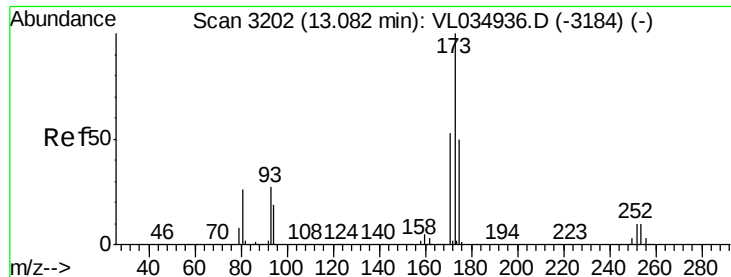
Tot Ion: 97 Resp: 858788
 Ion Ratio Lower Upper
 97 100
 83 93.4 75.6 113.4
 85 58.2 47.0 70.6
 99 61.0 49.4 74.2



#48
 Dibromochloromethane
 Concen: 10.232 ppbv
 RT: 10.32 min Scan# 2344
 Delta R.T. -0.01 min
 Lab File: VL034986.D
 Acq: 12 May 2020 13:45

Tgt Ion: 129 Resp: 1400367
 Ion Ratio Lower Upper
 129 100
 127 79.0 39.1 117.2





#49

Bromoform

Concen: 10.396 ppbv

RT: 13.07 min Scan# 3198

Delta R.T. -0.01 min

Lab File: VL034986.D

Acq: 12 May 2020 13:45

Instrument :

MSVOA_L

ClientSampleId :

VL0512ABS01

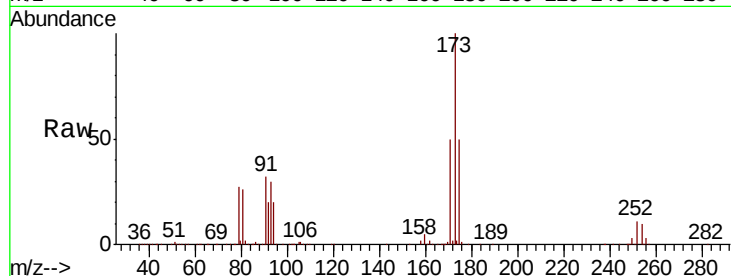
Tot Ion:173 Resp: 1224274

Ion Ratio Lower Upper

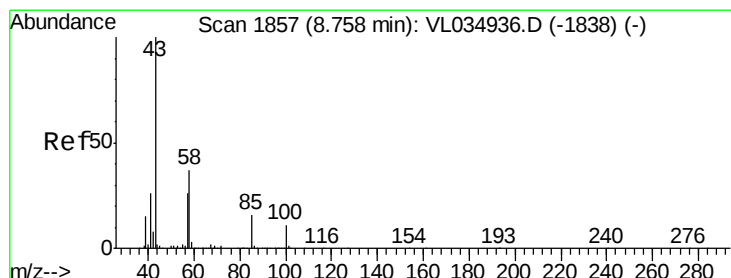
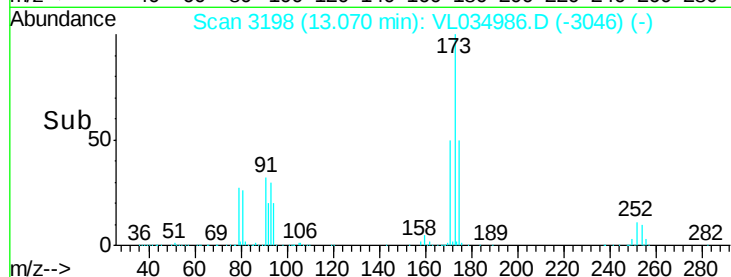
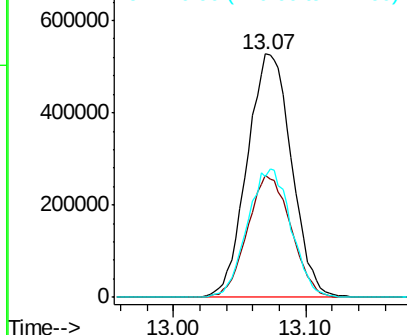
173 100

175 49.5 39.0 58.6

171 52.5 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: 9.975 ppbv

RT: 8.74 min Scan# 1853

Delta R.T. -0.01 min

Lab File: VL034986.D

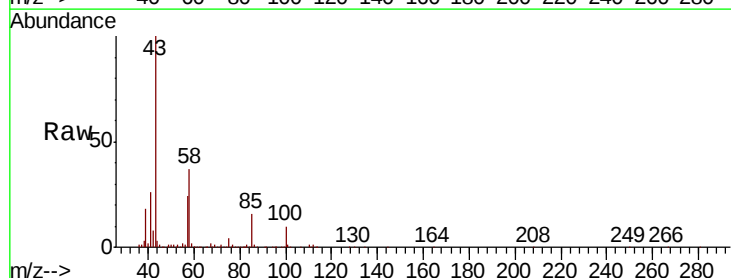
Acq: 12 May 2020 13:45

Tgt Ion: 43 Resp: 2255878

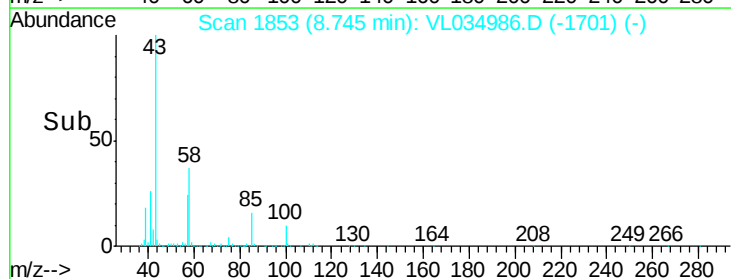
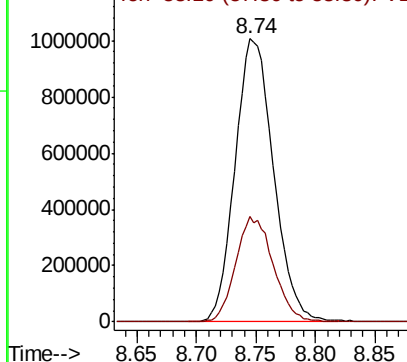
Ion Ratio Lower Upper

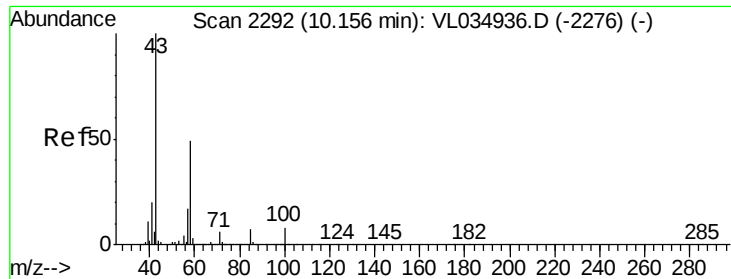
43 100

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

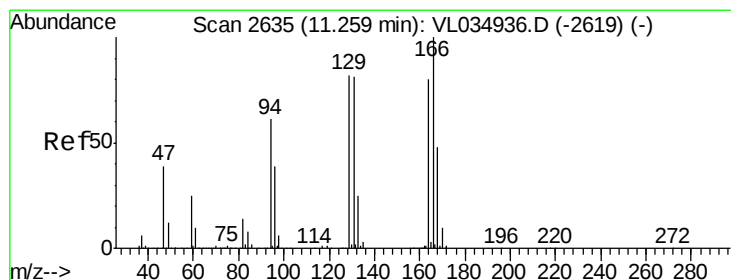
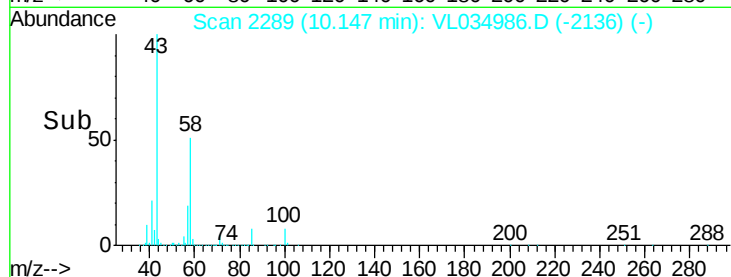
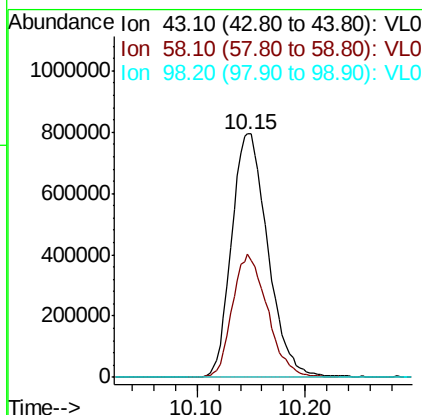
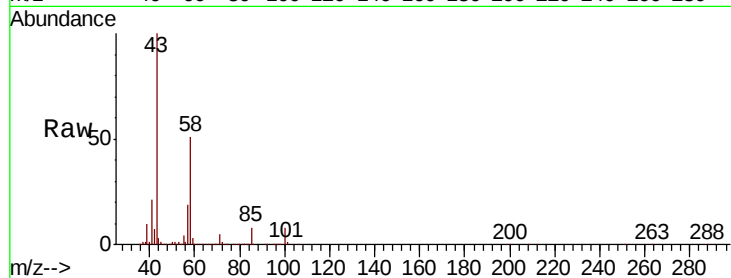




#51
2-Hexanone
Concen: 10.518 ppbv
RT: 10.15 min Scan# 2289
Delta R.T. -0.01 min
Lab File: VL034986.D
Acq: 12 May 2020 13:45

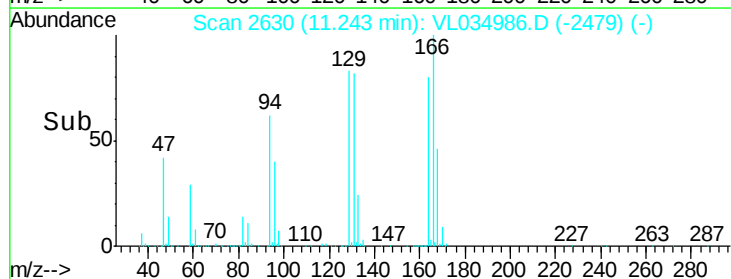
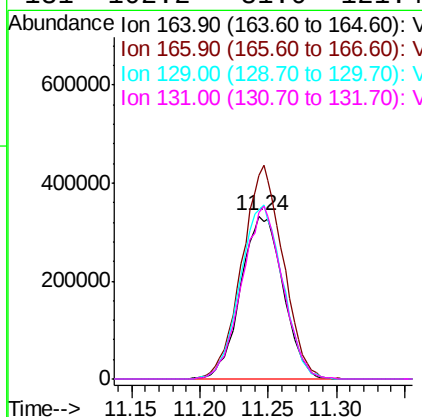
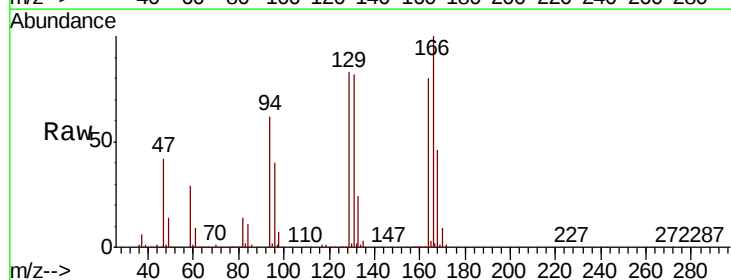
Instrument :
MSVOA_L
ClientSampleId :
VL0512ABS01

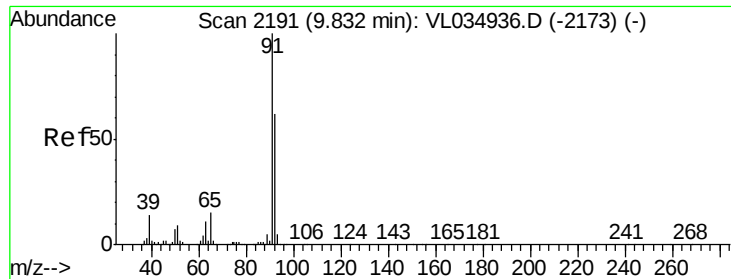
Tot Ion: 43 Resp: 1860623
Ion Ratio Lower Upper
43 100
58 48.8 39.1 58.7
98 0.3 0.3 0.5#



#52
Tetrachloroethene
Concen: 9.608 ppbv
RT: 11.24 min Scan# 2630
Delta R.T. -0.02 min
Lab File: VL034986.D
Acq: 12 May 2020 13:45

Tgt Ion: 164 Resp: 718761
Ion Ratio Lower Upper
164 100
166 124.4 100.7 151.1
129 103.4 83.0 124.4
131 102.2 81.0 121.4





#53

Toluene

Concen: 10.625 ppbv

RT: 9.82 min Scan# 2188

Delta R.T. -0.01 min

Lab File: VL034986.D

Acq: 12 May 2020 13:45

Instrument :

MSVOA_L

ClientSampleId :

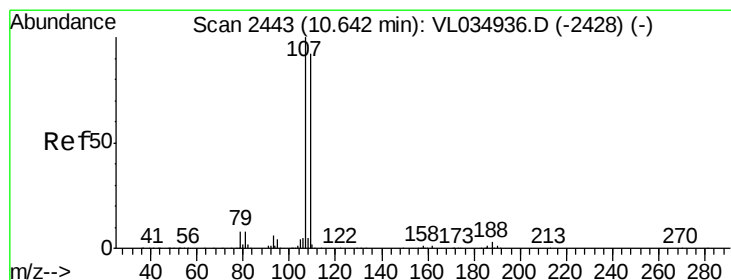
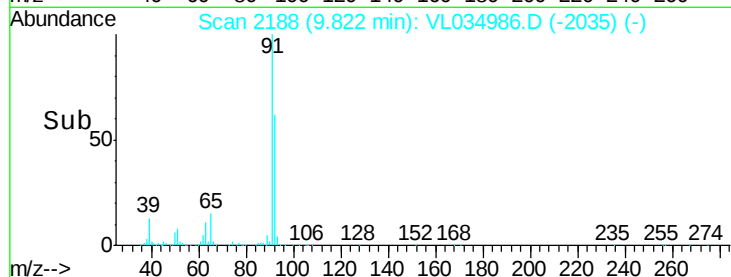
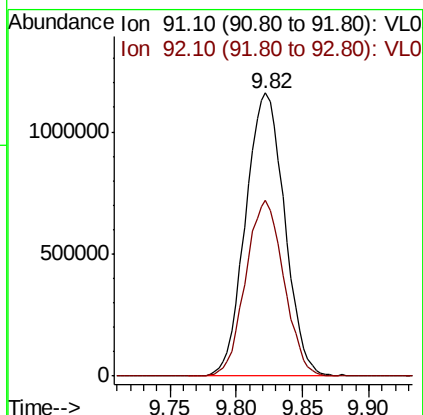
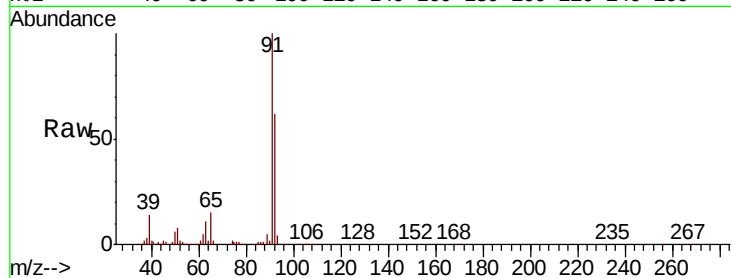
VL0512ABS01

Tot Ion: 91 Resp: 2369589

Ion Ratio Lower Upper

91 100

92 61.0 48.6 73.0



#54

1,2-Dibromoethane

Concen: 9.830 ppbv

RT: 10.63 min Scan# 2440

Delta R.T. -0.01 min

Lab File: VL034986.D

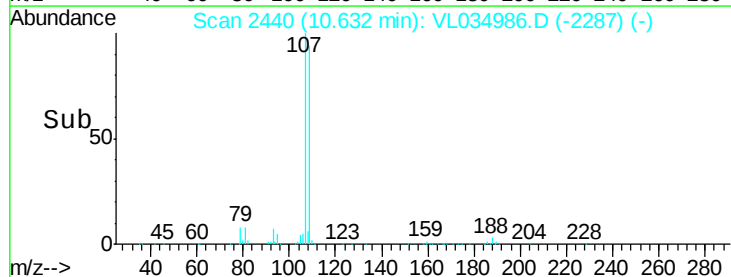
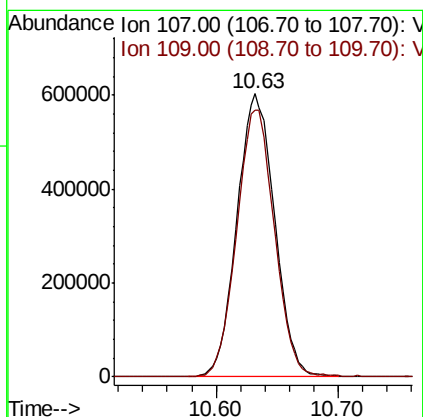
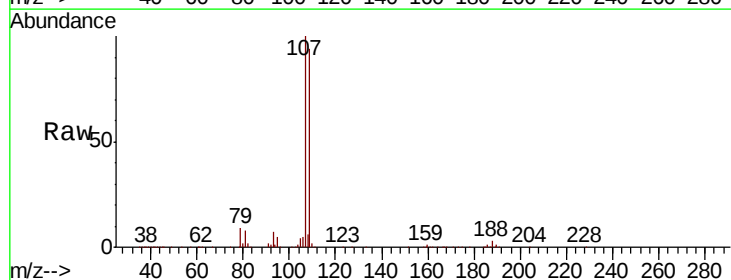
Acq: 12 May 2020 13:45

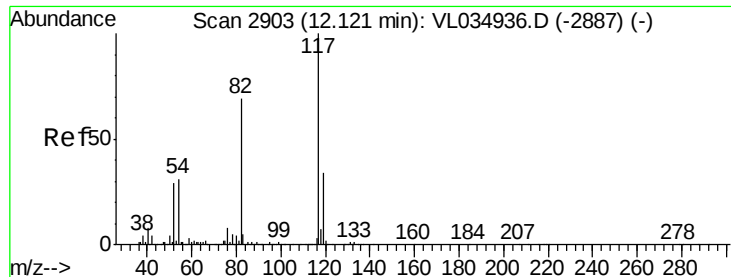
Tgt Ion: 107 Resp: 1284726

Ion Ratio Lower Upper

107 100

109 94.0 73.2 109.8





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.11 min Scan# 2900

Delta R.T. -0.01 min

Lab File: VL034986.D

Acq: 12 May 2020 13:45

Instrument :

MSVOA_L

ClientSampleId :

VL0512ABS01

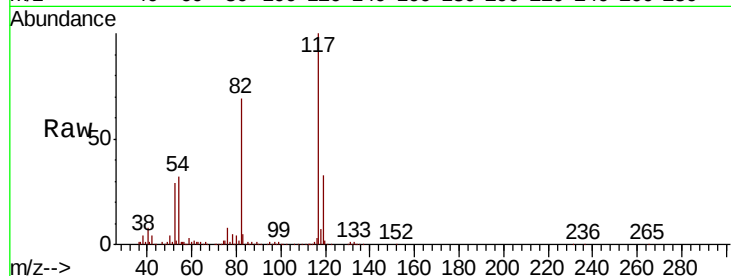
Tot Ion:117 Resp: 2997647

Ion Ratio Lower Upper

117 100

82 55.7 53.1 79.7

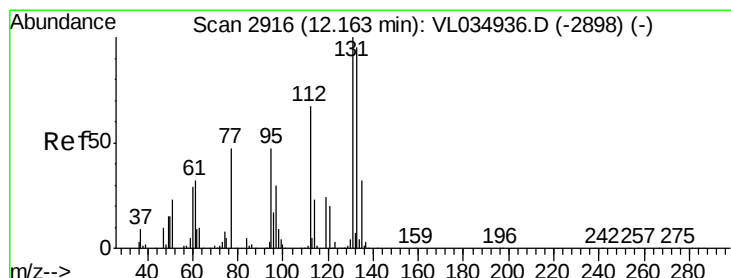
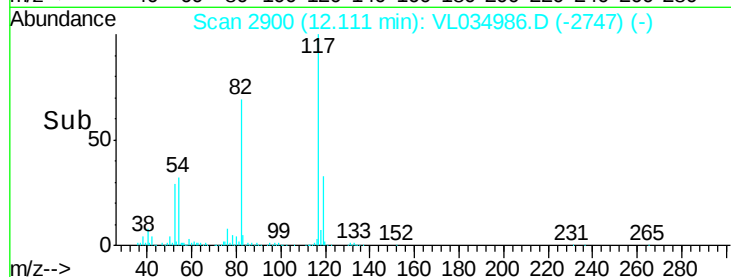
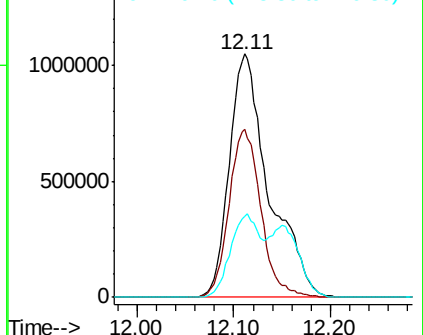
119 28.3 26.7 40.1



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: 7.846 ppbv

RT: 12.15 min Scan# 2913

Delta R.T. -0.01 min

Lab File: VL034986.D

Acq: 12 May 2020 13:45

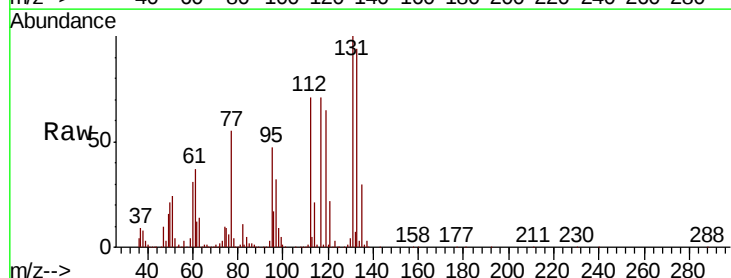
Tgt Ion:131 Resp: 1060618

Ion Ratio Lower Upper

131 100

133 95.6 77.7 116.5

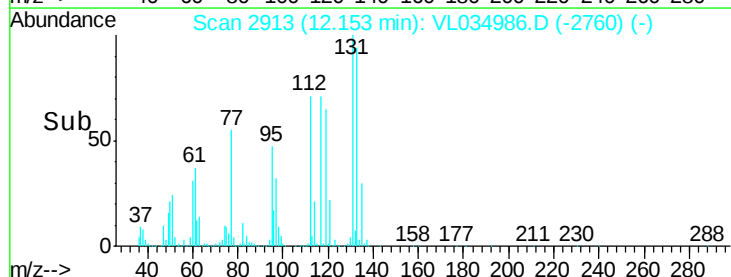
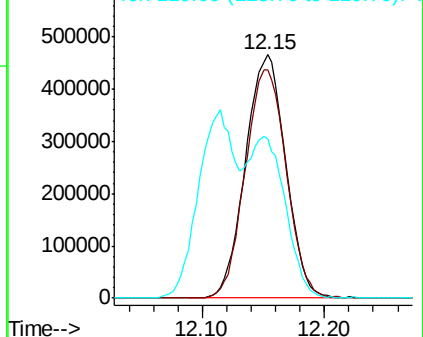
119 55.5 49.8 74.6

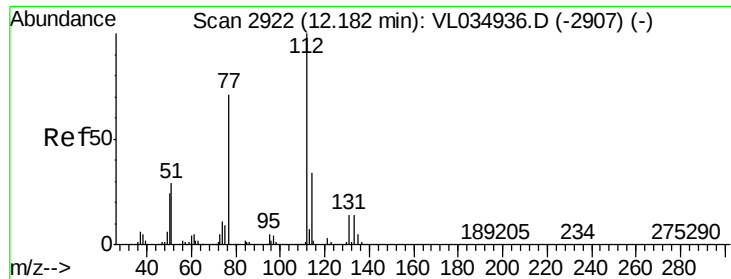


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

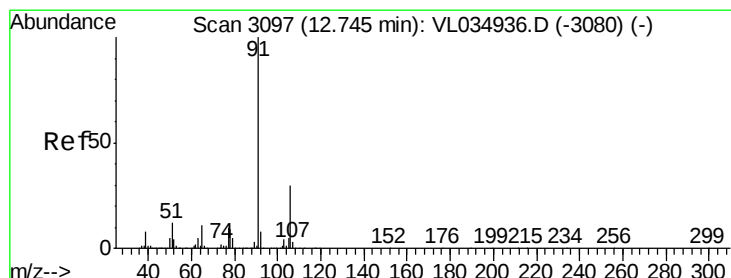
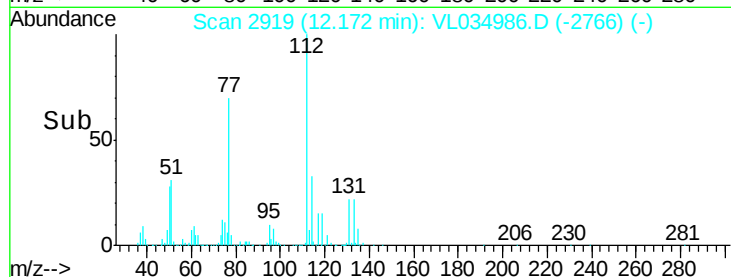
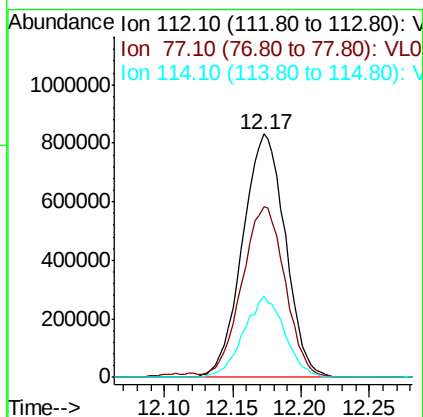
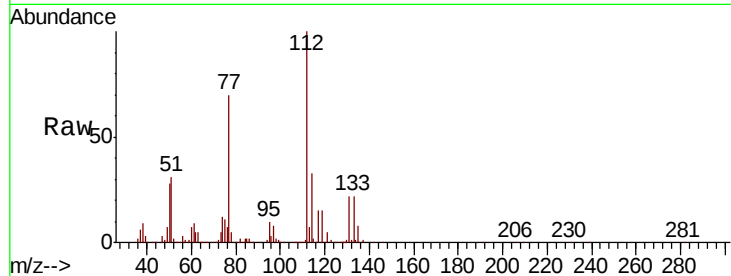




#57
Chlorobenzene
Concen: 7.595 ppbv
RT: 12.17 min Scan# 2919
Delta R.T. -0.01 min
Lab File: VL034986.D
Acq: 12 May 2020 13:45

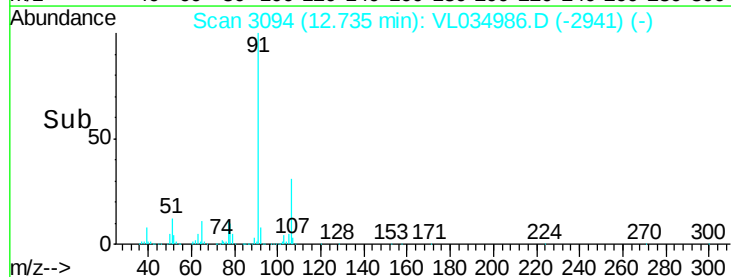
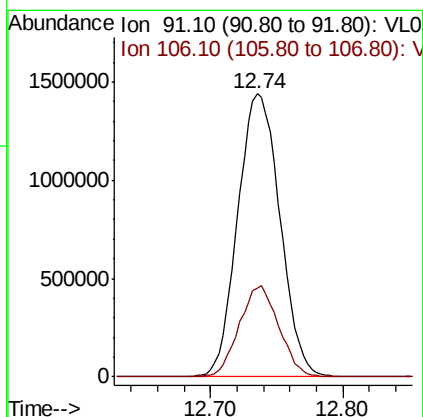
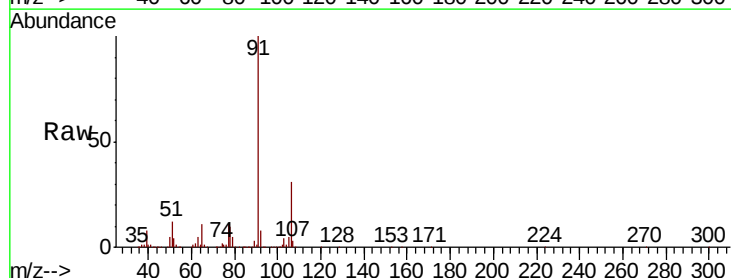
Instrument :
MSVOA_L
ClientSampleId :
VL0512ABS01

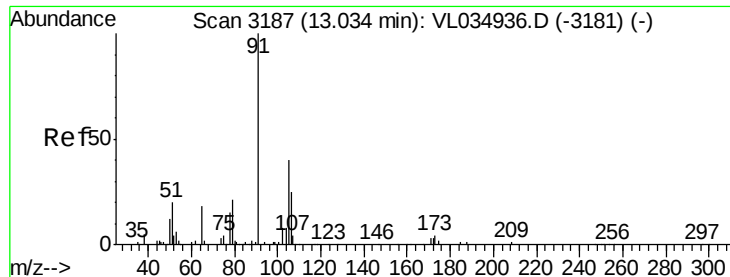
Tot Ion:112 Resp: 1803702
Ion Ratio Lower Upper
112 100
77 69.9 57.0 85.6
114 33.2 30.8 37.6



#58
Ethyl Benzene
Concen: 8.626 ppbv
RT: 12.74 min Scan# 3094
Delta R.T. -0.01 min
Lab File: VL034986.D
Acq: 12 May 2020 13:45

Tgt Ion: 91 Resp: 3197345
Ion Ratio Lower Upper
91 100
106 31.2 24.2 36.4

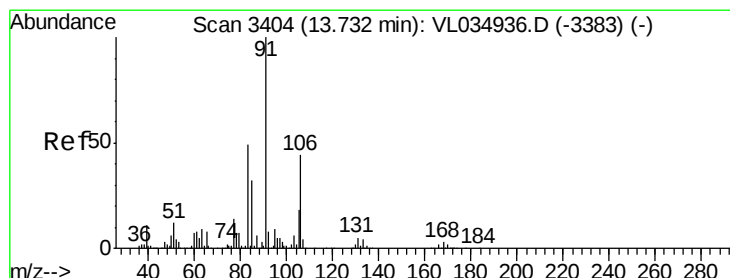
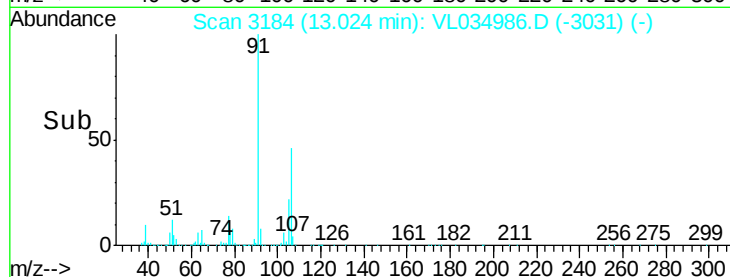
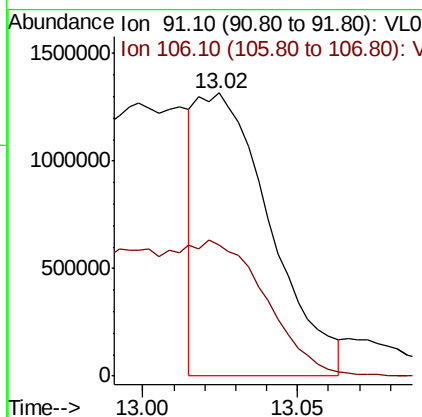
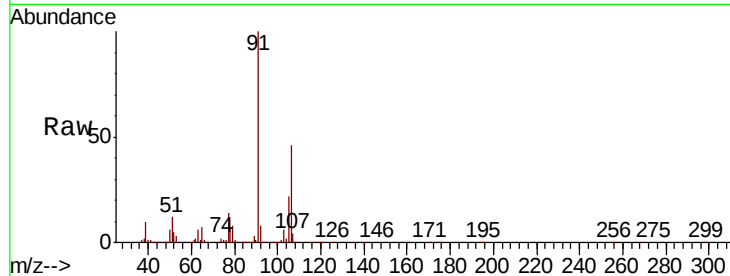




#59
m/p-Xylene
Concen: 6.657 ppbv
RT: 13.02 min Scan# 3184
Delta R.T. -0.01 min
Lab File: VL034986.D
Acq: 12 May 2020 13:45

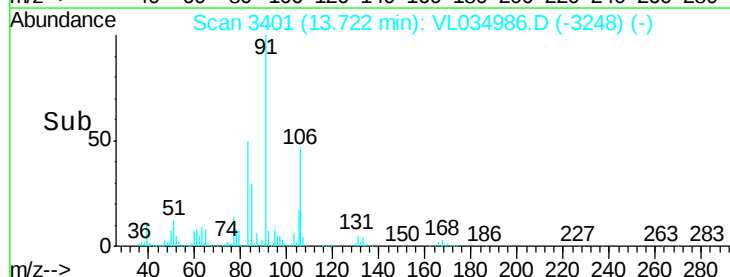
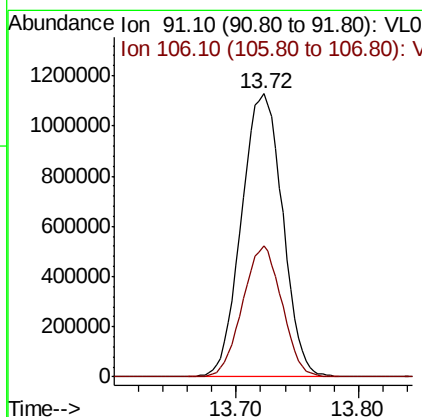
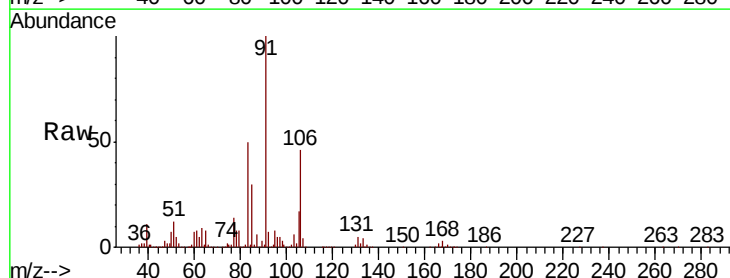
Instrument :
MSVOA_L
ClientSampleId :
VL0512ABS01

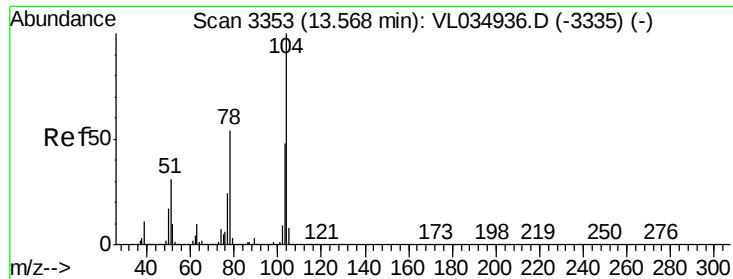
Tot Ion: 91 Resp: 2171087
Ion Ratio Lower Upper
91 100
106 111.0 66.0 99.0#



#60
o-Xylene
Concen: 8.159 ppbv
RT: 13.72 min Scan# 3401
Delta R.T. -0.01 min
Lab File: VL034986.D
Acq: 12 May 2020 13:45

Tgt Ion: 91 Resp: 2625652
Ion Ratio Lower Upper
91 100
106 44.3 21.9 65.5

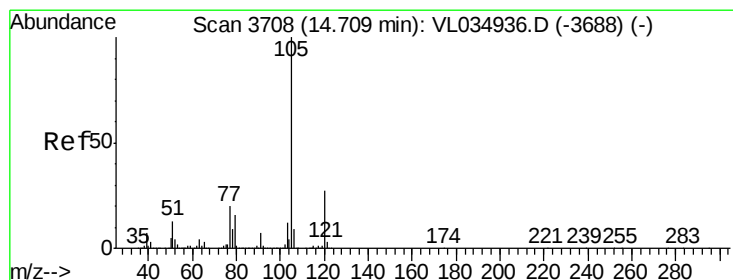
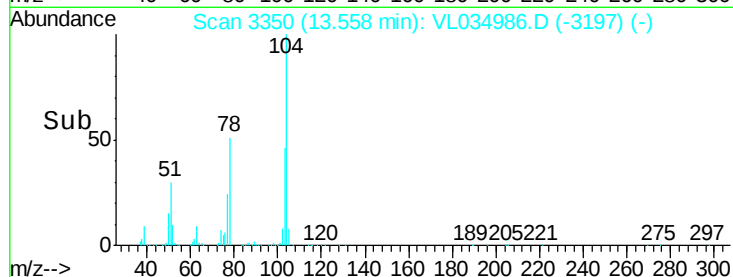
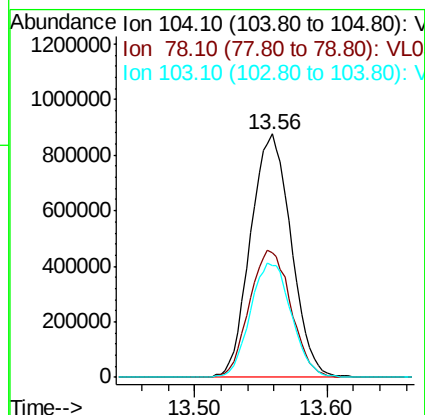
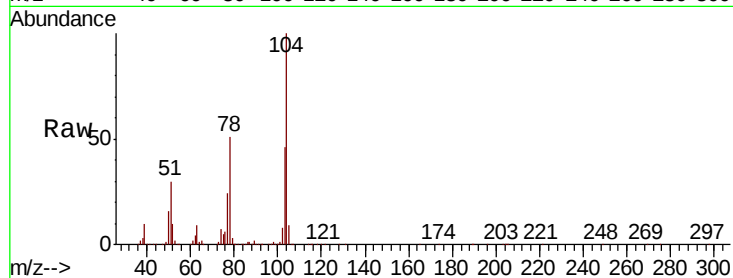




#61
Stvrene
Concen: 9.199 ppbv
RT: 13.56 min Scan# 3350
Delta R.T. -0.01 min
Lab File: VL034986.D
Acq: 12 May 2020 13:45

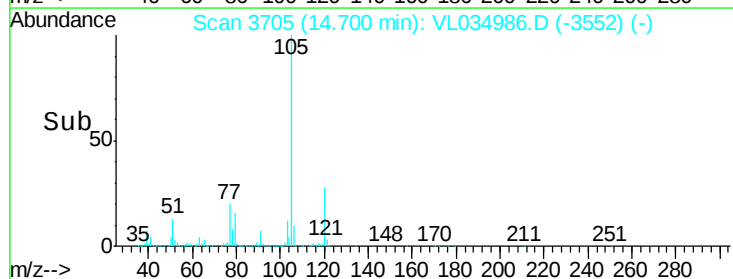
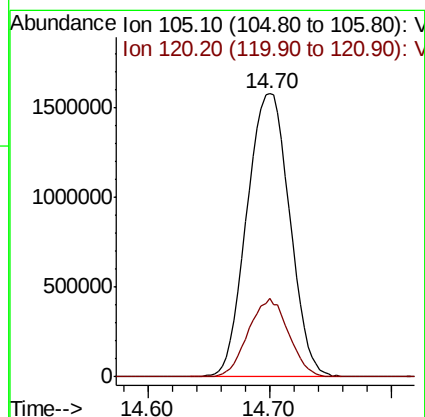
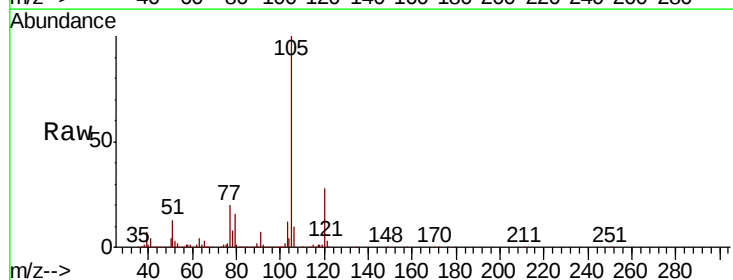
Instrument :
MSVOA_L
ClientSampleId :
VL0512ABS01

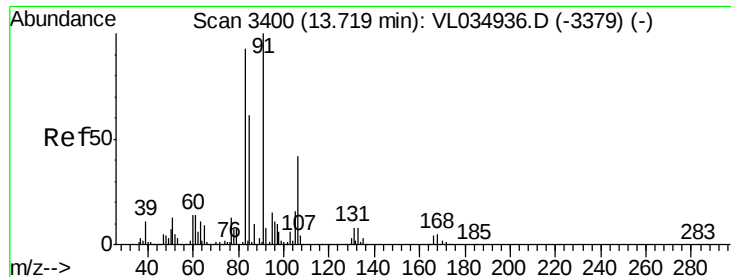
Tot Ion:104 Resp: 1873446
Ion Ratio Lower Upper
104 100
78 53.3 43.7 65.5
103 47.6 38.8 58.2



#62
Isopropylbenzene
Concen: 7.994 ppbv
RT: 14.70 min Scan# 3705
Delta R.T. -0.01 min
Lab File: VL034986.D
Acq: 12 May 2020 13:45

Tgt Ion:105 Resp: 3841200
Ion Ratio Lower Upper
105 100
120 26.0 20.6 31.0





#63

1,1,2,2-Tetrachloroethane

Concen: 7.362 ppbv

RT: 13.71 min Scan# 3397

Delta R.T. -0.01 min

Lab File: VL034986.D

Acq: 12 May 2020 13:45

Instrument :

MSVOA_L

ClientSampleId :

VL0512ABS01

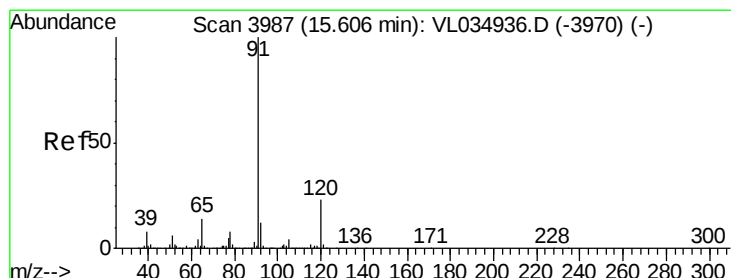
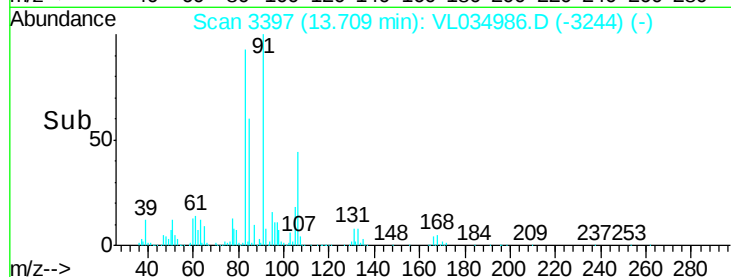
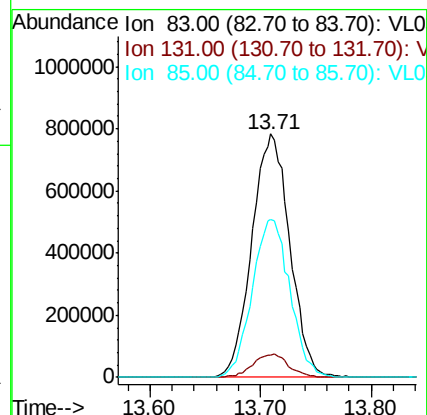
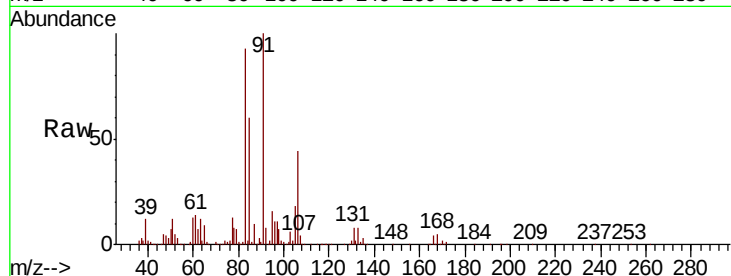
Tot Ion: 83 Resp: 1865047

Ion	Ratio	Lower	Upper
83	100		
131	9.1	4.7	14.0
85	64.5	32.5	97.4

83 100

131 9.1 4.7 14.0

85 64.5 32.5 97.4



#64

n-propylbenzene

Concen: 8.145 ppbv

RT: 15.60 min Scan# 3985

Delta R.T. -0.01 min

Lab File: VL034986.D

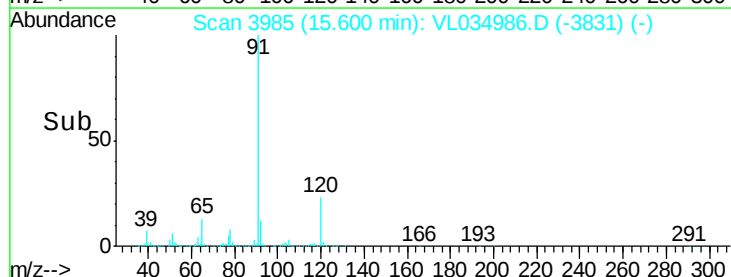
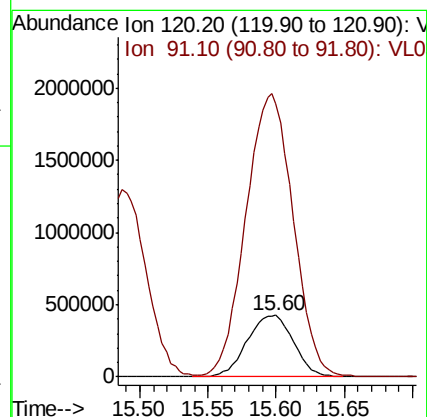
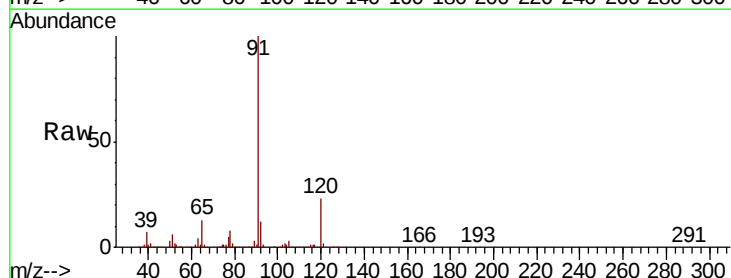
Acq: 12 May 2020 13:45

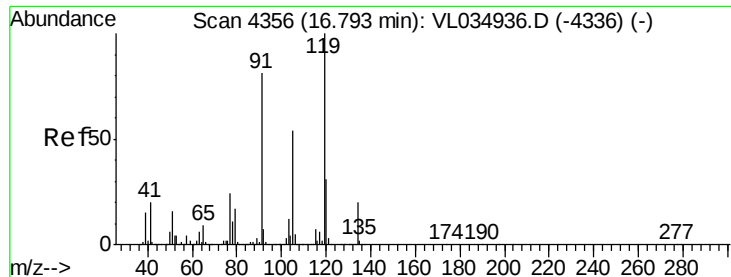
Tgt Ion: 120 Resp: 1003875

Ion	Ratio	Lower	Upper
120	100		
91	469.8	373.5	560.3

120 100

91 469.8 373.5 560.3





#65

tert-Butylbenzene

Concen: 7.877 ppbv

RT: 16.78 min Scan# 4353

Delta R.T. -0.01 min

Lab File: VL034986.D

Acq: 12 May 2020 13:45

Instrument :

MSVOA_L

ClientSampleId :

VL0512ABS01

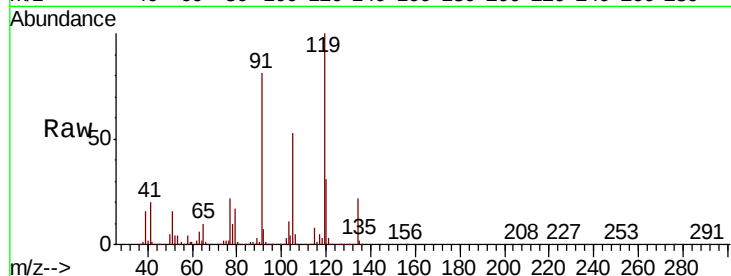
Tot Ion:119 Resp: 3282591

Ion Ratio Lower Upper

119 100

91 83.9 67.5 101.3

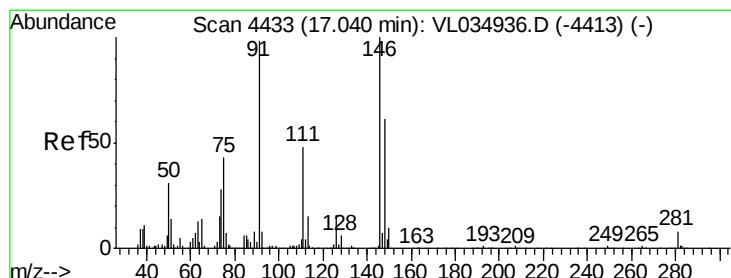
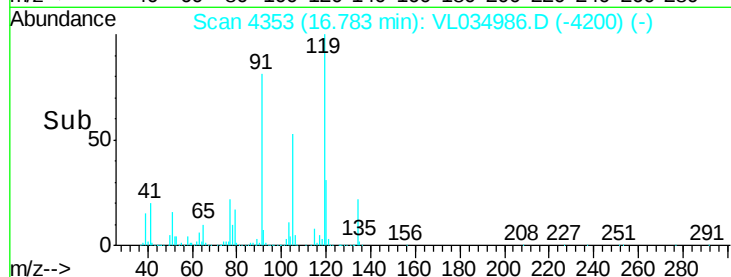
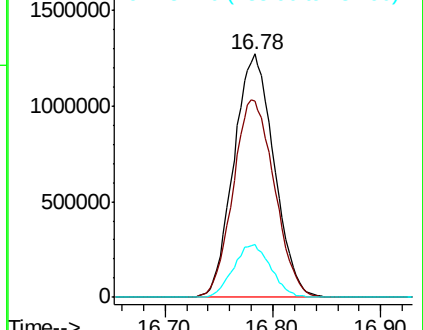
134 20.4 16.1 24.1



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: 9.084 ppbv

RT: 17.03 min Scan# 4429

Delta R.T. -0.01 min

Lab File: VL034986.D

Acq: 12 May 2020 13:45

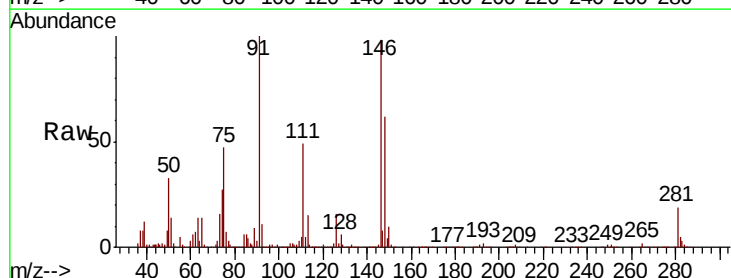
Tgt Ion: 91 Resp: 1285219

Ion Ratio Lower Upper

91 100

126 16.1 13.8 20.6

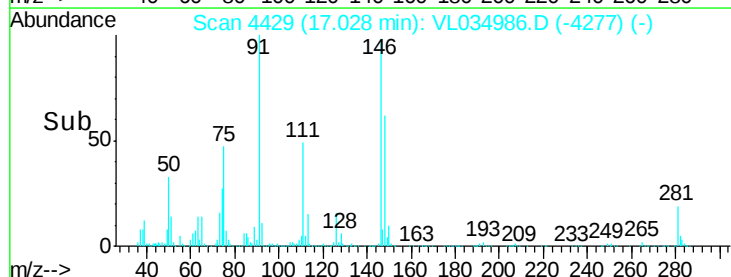
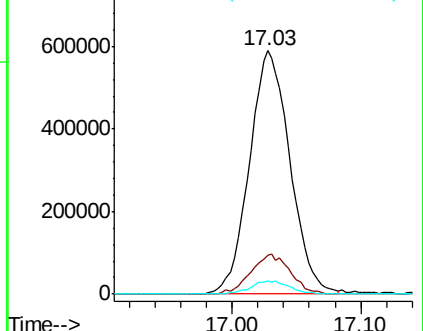
128 5.3 4.3 6.5

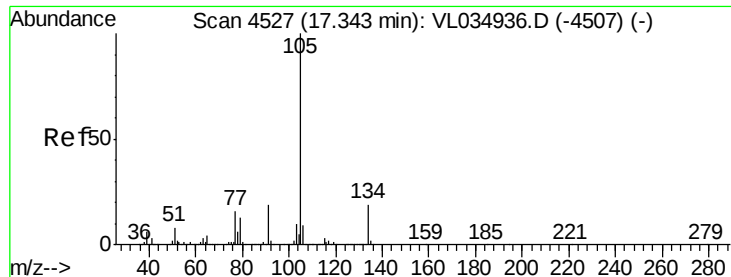


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V

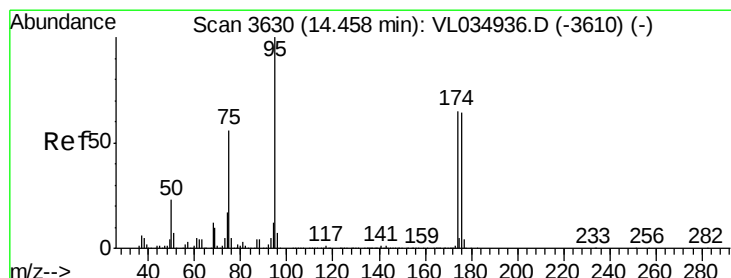
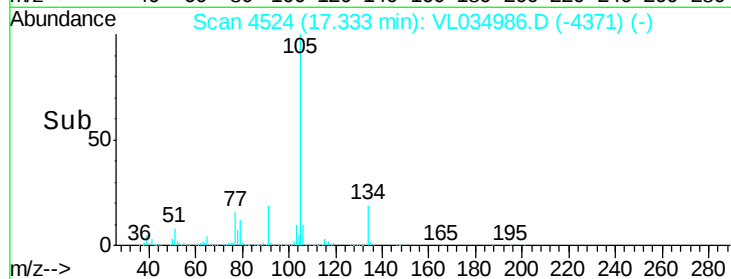
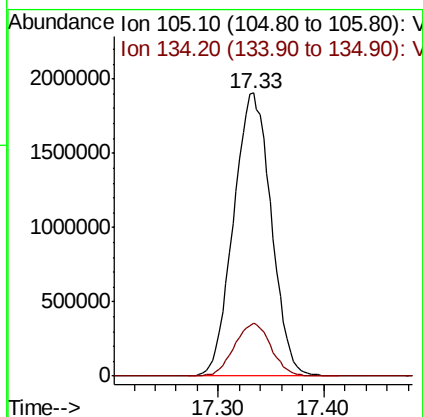
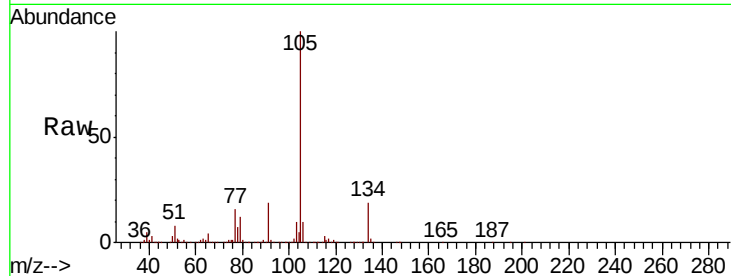




#67
 sec-Butylbenzene
 Concen: 7.931 ppbv
 RT: 17.33 min Scan# 4524
 Delta R.T. -0.01 min
 Lab File: VL034986.D
 Acq: 12 May 2020 13:45

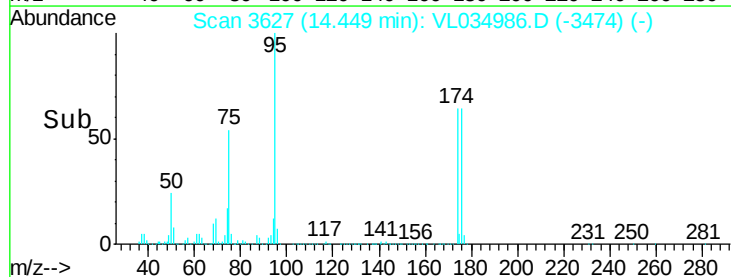
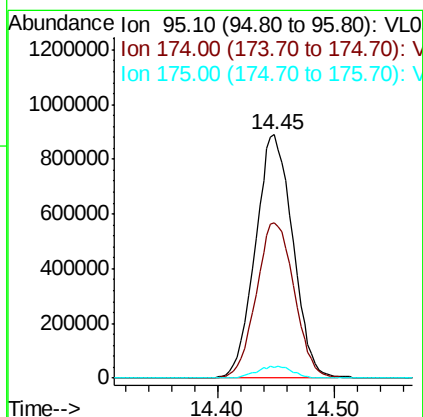
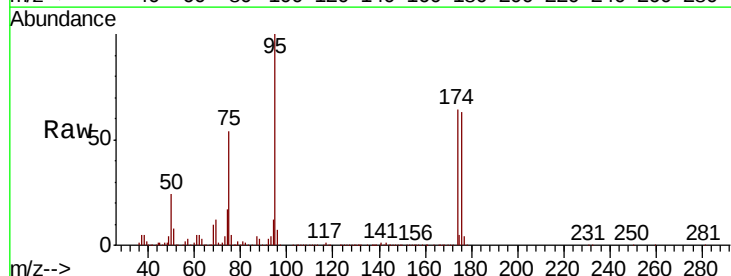
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0512ABS01

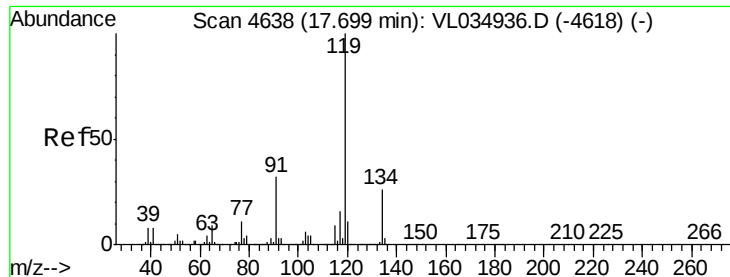
Tot Ion:105 Resp: 4718322
 Ion Ratio Lower Upper
 105 100
 134 18.2 14.8 22.2



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.204 ppbv
 RT: 14.45 min Scan# 3627
 Delta R.T. -0.01 min
 Lab File: VL034986.D
 Acq: 12 May 2020 13:45

Tgt Ion: 95 Resp: 1990622
 Ion Ratio Lower Upper
 95 100
 174 64.9 51.5 77.3
 175 4.8 3.8 5.8

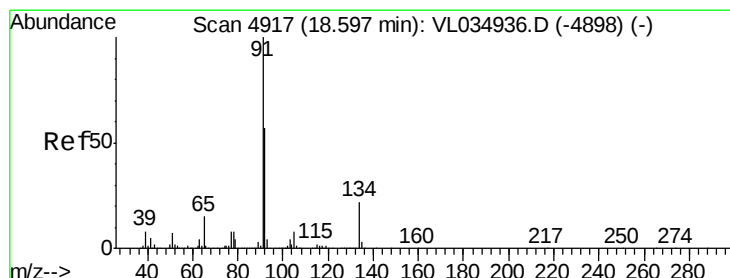
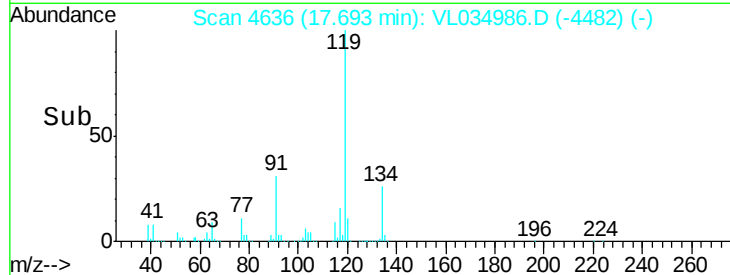
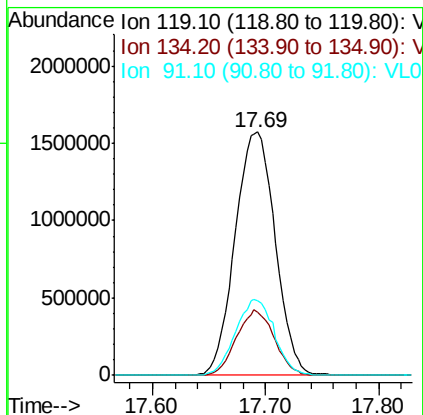
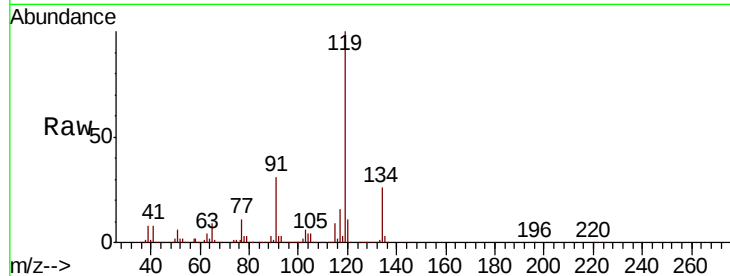




#69
 p-Isopropyltoluene
 Concen: 8.055 ppbv
 RT: 17.69 min Scan# 4636
 Delta R.T. -0.01 min
 Lab File: VL034986.D
 Acq: 12 May 2020 13:45

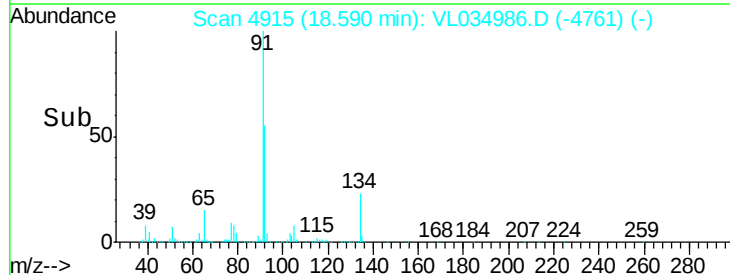
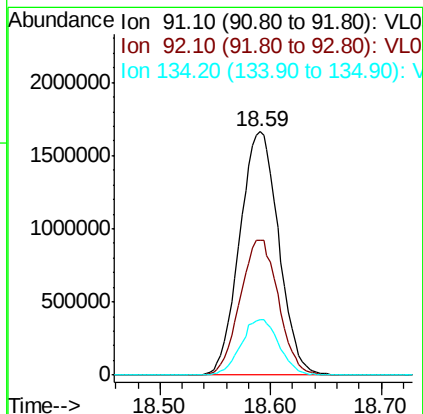
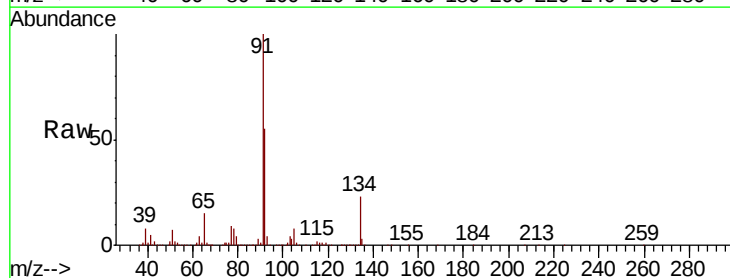
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0512ABS01

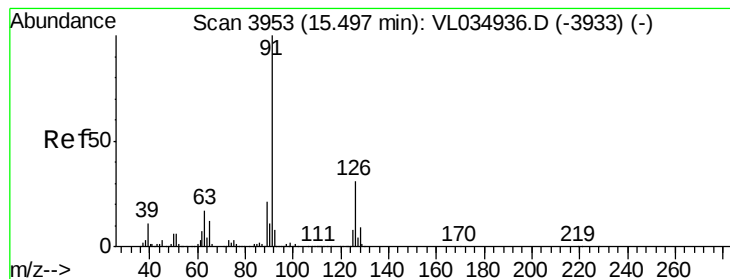
Tot Ion:119 Resp: 3876596
 Ion Ratio Lower Upper
 119 100
 134 25.4 20.3 30.5
 91 30.5 24.6 36.8



#70
 n-Butylbenzene
 Concen: 7.935 ppbv
 RT: 18.59 min Scan# 4915
 Delta R.T. -0.01 min
 Lab File: VL034986.D
 Acq: 12 May 2020 13:45

Tgt Ion: 91 Resp: 4064652
 Ion Ratio Lower Upper
 91 100
 92 54.8 44.4 66.6
 134 22.3 18.0 27.0

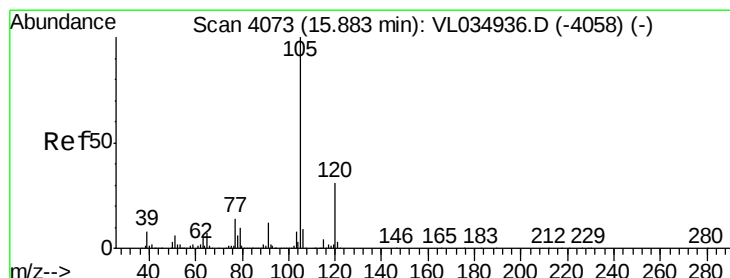
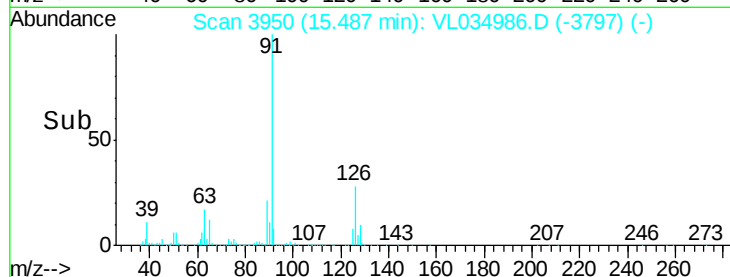
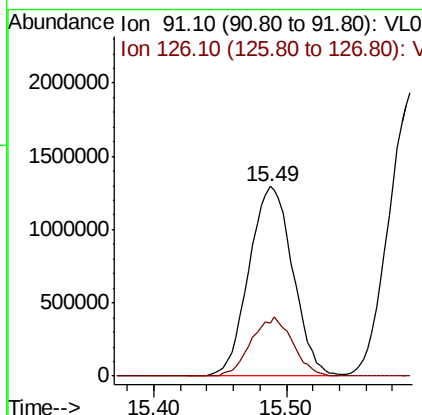
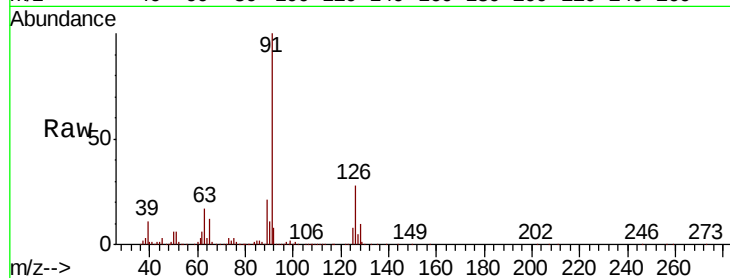




#71
2-Chlorotoluene
Concen: 8.219 ppbv
RT: 15.49 min Scan# 3950
Delta R.T. -0.01 min
Lab File: VL034986.D
Acq: 12 May 2020 13:45

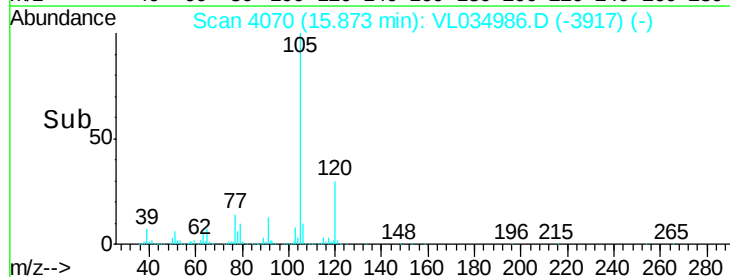
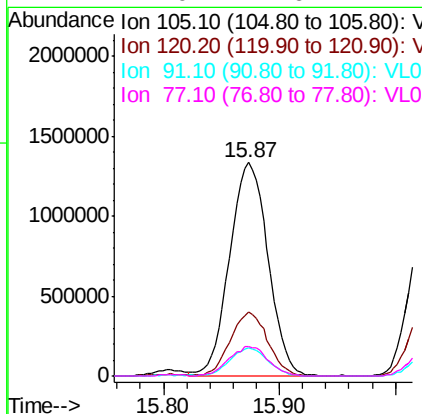
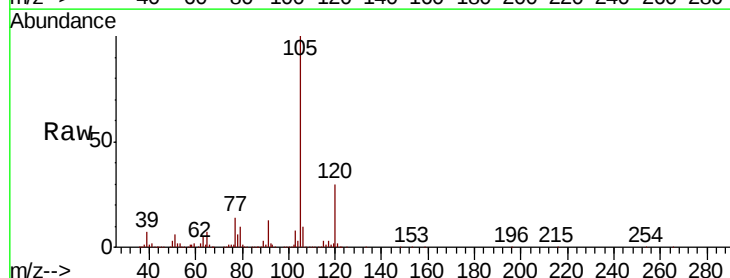
Instrument :
MSVOA_L
ClientSampleId :
VL0512ABS01

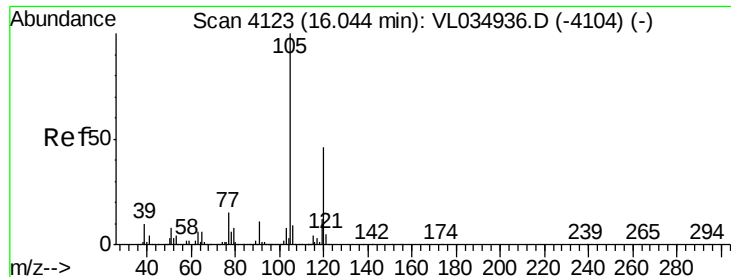
Tot Ion: 91 Resp: 2980934
Ion Ratio Lower Upper
91 100
126 29.5 12.0 47.8



#72
4-Ethyltoluene
Concen: 8.538 ppbv
RT: 15.87 min Scan# 4070
Delta R.T. -0.01 min
Lab File: VL034986.D
Acq: 12 May 2020 13:45

Tgt Ion:105 Resp: 3065502
Ion Ratio Lower Upper
105 100
120 29.0 23.8 35.8
91 13.4 10.6 15.8
77 14.0 11.6 17.4





#73

1,3,5-Trimethylbenzene

Concen: 8.198 ppbv

RT: 16.03 min Scan# 4120

Delta R.T. -0.01 min

Lab File: VL034986.D

Acq: 12 May 2020 13:45

Instrument :

MSVOA_L

ClientSampleId :

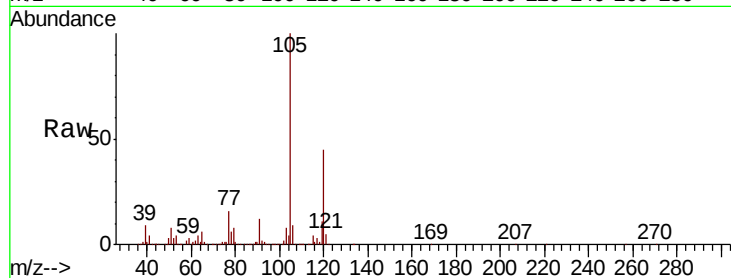
VL0512ABS01

Tot Ion:105 Resp: 2864376

Ion Ratio Lower Upper

105 100

120 44.6 36.4 54.6



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

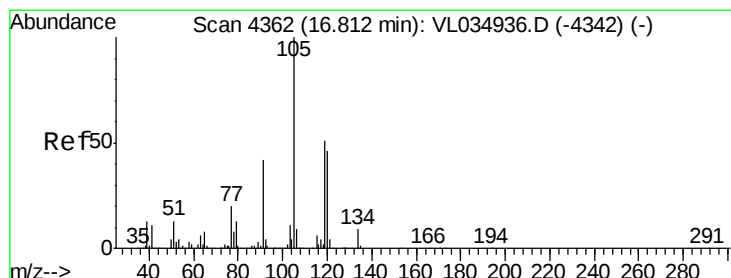
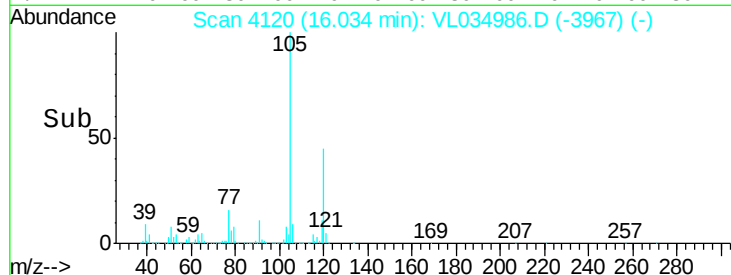
16.03

1000000

500000

0

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 7.638 ppbv

RT: 16.80 min Scan# 4358

Delta R.T. -0.01 min

Lab File: VL034986.D

Acq: 12 May 2020 13:45

Tgt Ion:105 Resp: 2913295

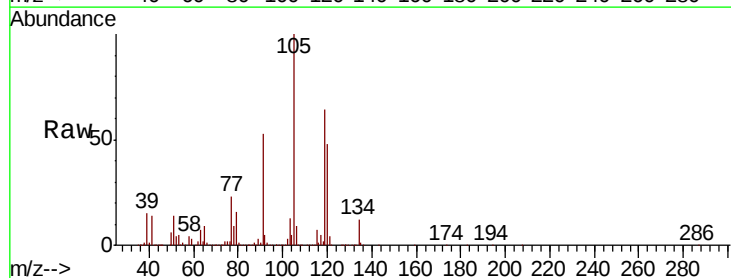
Ion Ratio Lower Upper

105 100

120 48.4 36.8 55.2

91 53.1 35.4 53.0#

77 23.3 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

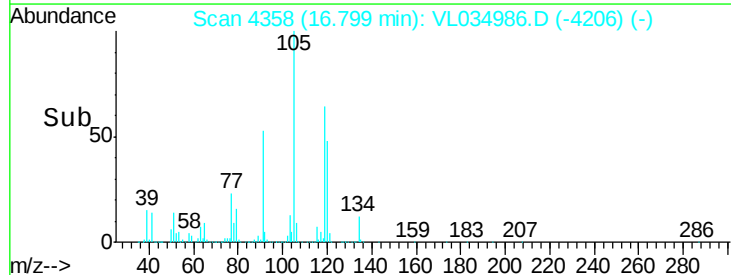
1500000

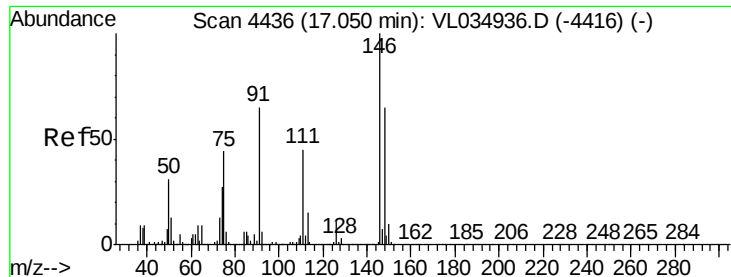
1000000

500000

0

Time-->





#75

1,3-Dichlorobenzene

Concen: 3.444 ppbv

RT: 17.04 min Scan# 4433

Delta R.T. -0.01 min

Lab File: VL034986.D

Acq: 12 May 2020 13:45

Instrument :

MSVOA_L

ClientSampleId :

VL0512ABS01

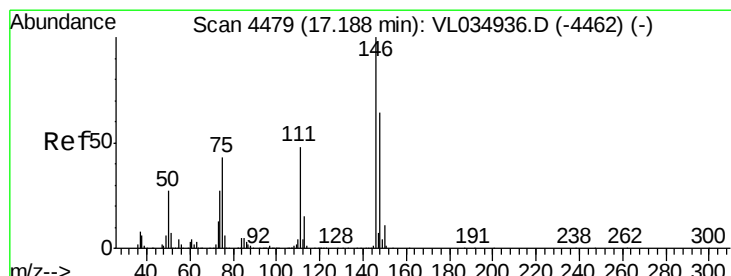
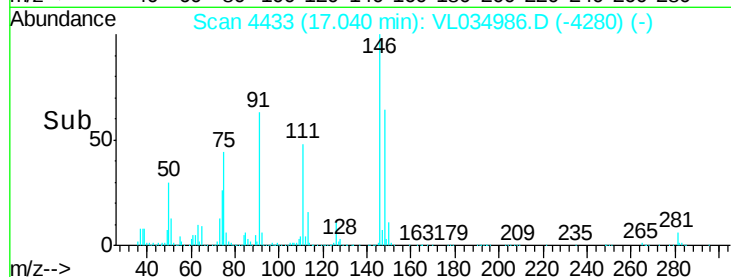
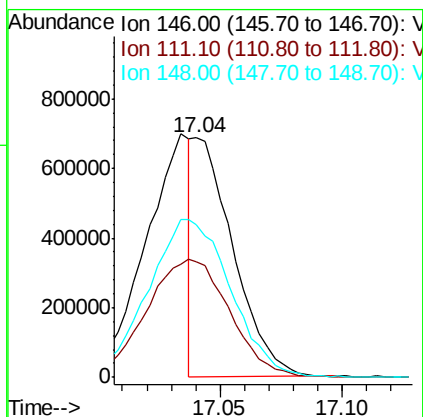
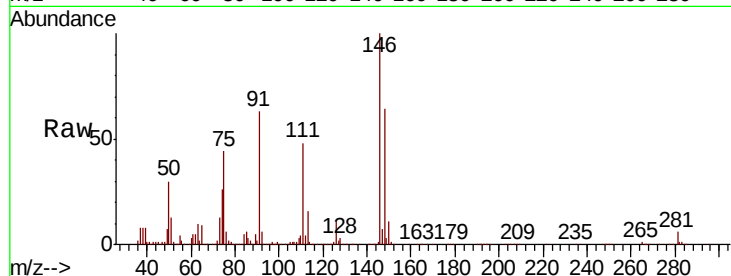
Tot Ion:146 Resp: 771354

Ion Ratio Lower Upper

146 100

111 105.2 24.0 72.0#

148 139.6 32.6 97.7#



#76

1,4-Dichlorobenzene

Concen: 7.840 ppbv

RT: 17.18 min Scan# 4476

Delta R.T. -0.01 min

Lab File: VL034986.D

Acq: 12 May 2020 13:45

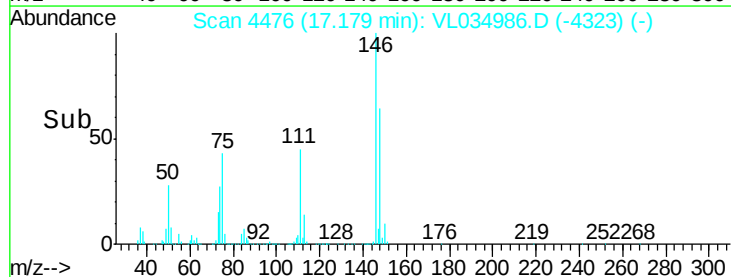
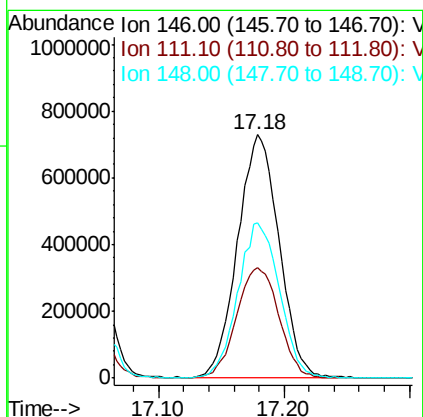
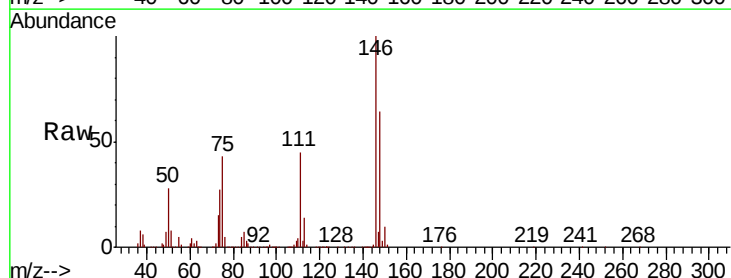
Tgt Ion:146 Resp: 1668397

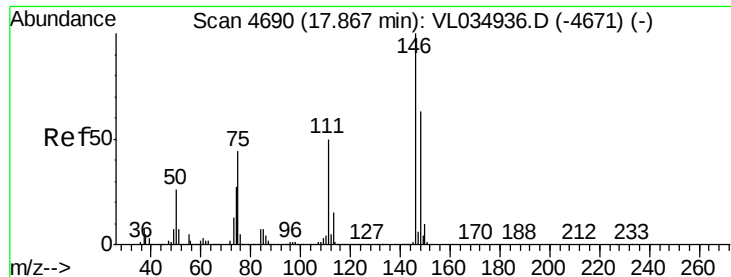
Ion Ratio Lower Upper

146 100

111 46.9 23.7 71.1

148 64.2 32.6 97.8





#77

1,2-Dichlorobenzene

Concen: 7.550 ppbv

RT: 17.86 min Scan# 4688

Delta R.T. -0.01 min

Lab File: VL034986.D

Acq: 12 May 2020 13:45

Instrument :

MSVOA_L

ClientSampleId :

VL0512ABS01

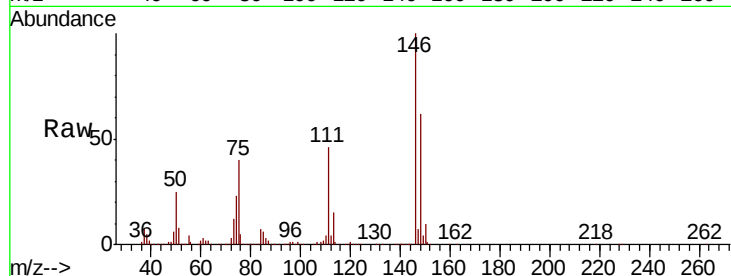
Tot Ion:146 Resp: 1593229

Ion Ratio Lower Upper

146 100

111 49.4 24.5 73.5

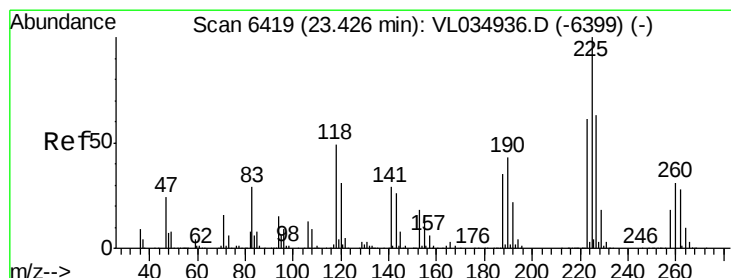
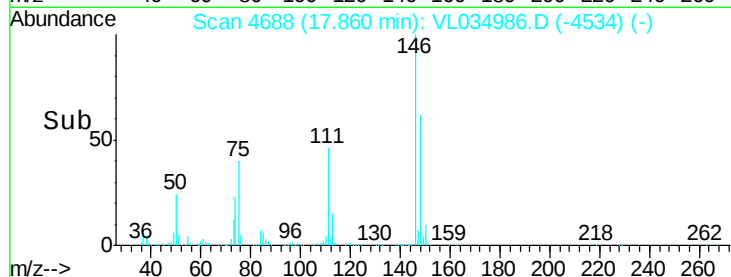
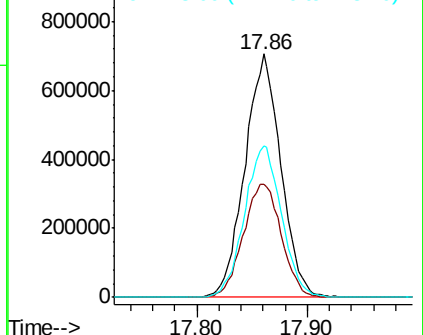
148 64.1 31.7 95.1



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: 7.134 ppbv

RT: 23.42 min Scan# 6416

Delta R.T. -0.01 min

Lab File: VL034986.D

Acq: 12 May 2020 13:45

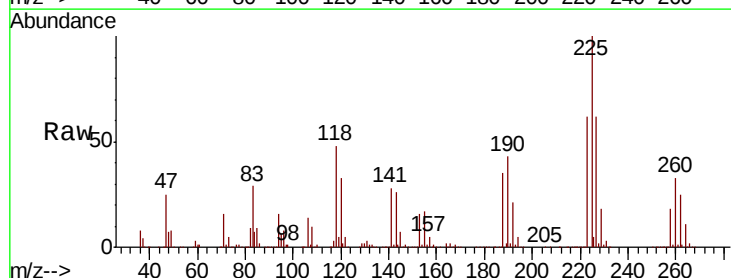
Tgt Ion:225 Resp: 1283228

Ion Ratio Lower Upper

225 100

223 63.1 49.8 74.8

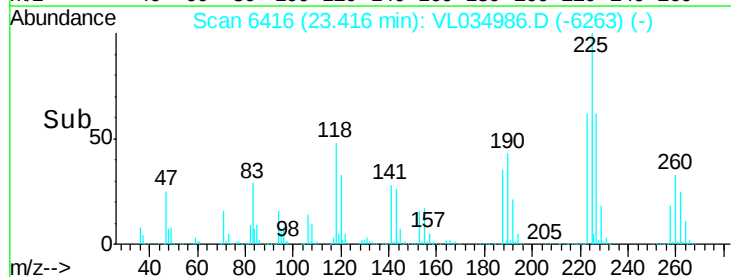
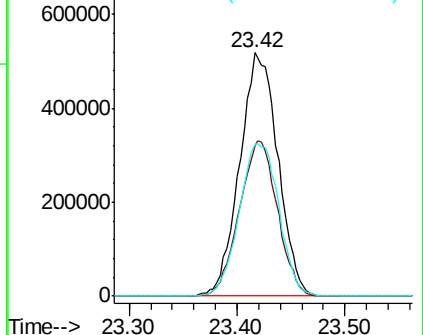
227 64.8 51.8 77.6

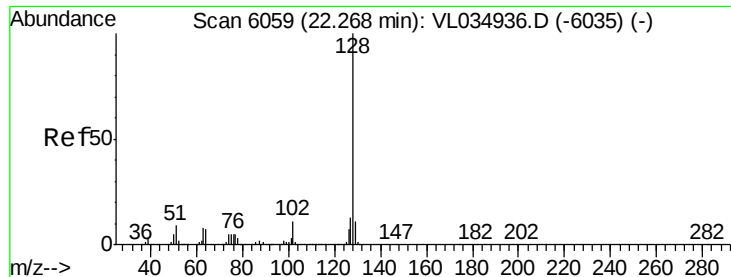


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 9.705 ppbv

RT: 22.26 min Scan# 6055

Delta R.T. -0.01 min

Lab File: VL034986.D

Acq: 12 May 2020 13:45

Instrument :

MSVOA_L

ClientSampleId :

VL0512ABS01

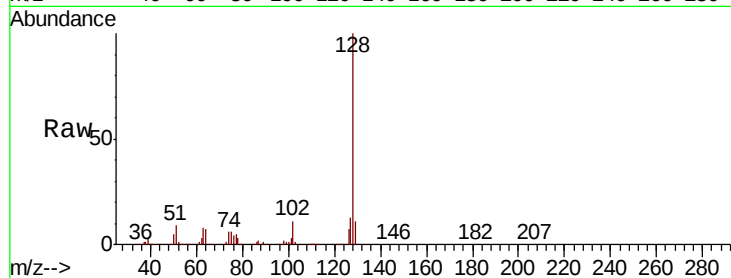
Tot Ion:128 Resp: 2882578

Ion Ratio Lower Upper

128 100

127 12.9 10.5 15.7

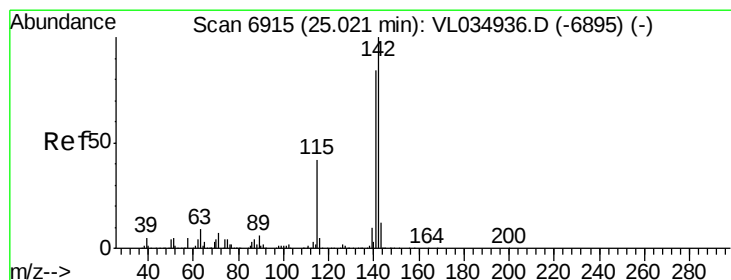
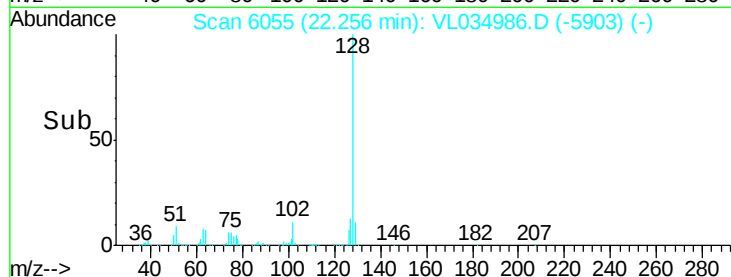
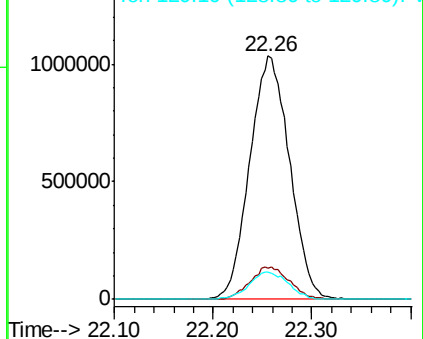
129 11.2 9.0 13.4



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: 15.905 ppbv

RT: 25.01 min Scan# 6912

Delta R.T. -0.01 min

Lab File: VL034986.D

Acq: 12 May 2020 13:45

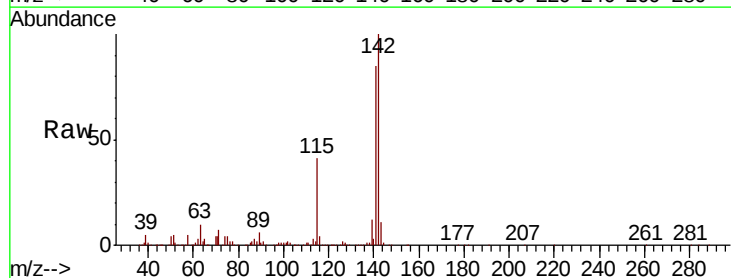
Tgt Ion:142 Resp: 1161233

Ion Ratio Lower Upper

142 100

141 85.2 68.6 102.8

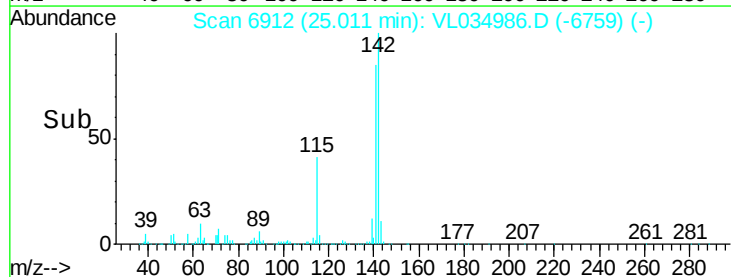
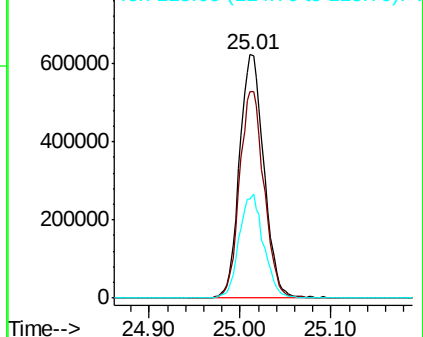
115 42.7 33.9 50.9

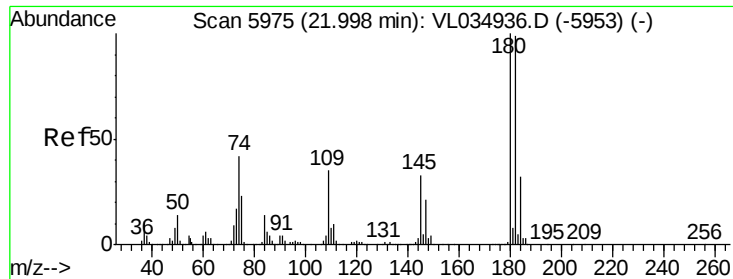


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

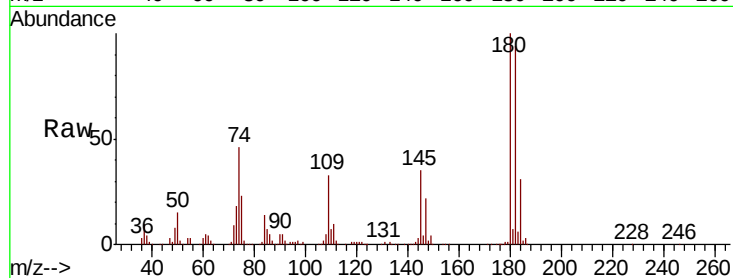




#81
 1,2,4-Trichlorobenzene
 Concen: 8.274 ppbv
 RT: 21.98 min Scan# 5970
 Delta R.T. -0.02 min
 Lab File: VL034986.D
 Acq: 12 May 2020 13:45

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0512ABS01

Tot Ion:180 Resp: 1490169
 Ion Ratio Lower Upper
 180 100
 182 96.4 77.5 116.3
 184 31.4 24.8 37.2



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V

