

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL031921\
 Data File : VL036450.D
 Acq On : 19 Mar 2021 16:25
 Operator :
 Sample : VL0319ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Mar 20 00:41:26 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030321AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 03 14:18:24 2021
 QLast Update : Wed Mar 03 14:18:24 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1655498	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.16	114	3997573	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.07	117	4583926	10.00	ppbv	-0.03

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.40	95	3175818	8.42	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	84.20%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.03	85	2154986	9.419	ppbv 98
3) Chlorodifluoromethane	2.98	51	1788913	9.136	ppbv 100
4) Chloromethane	3.13	50	869812	9.348	ppbv 99
5) Vinyl Chloride	3.25	62	860855	9.798	ppbv 100
6) Bromomethane	3.46	94	492945	9.050	ppbv 98
7) Chloroethane	3.54	64	303049	9.157	ppbv 97
8) Dichlorotetrafluoroethane	3.18	85	2084924	9.277	ppbv 99
9) Propene	3.00	41	824260	9.660	ppbv 97
10) Heptane	8.10	43	2077956	9.878	ppbv 99
11) Trichlorofluoromethane	3.93	101	2196540	9.297	ppbv 97
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1392426	9.241	ppbv 97
13) Ethanol	3.60	45	112040	8.558	ppbv 87
14) Bromoethene	3.73	108	590617	9.441	ppbv 98
15) Acetone	3.83	43	1617888	8.552	ppbv 99
16) 1,3-Butadiene	3.31	39	835822	9.160	ppbv 100
17) tert-Butyl alcohol	4.28	59	1594109	10.626	ppbv 100
18) 1,1-Dichloroethene	4.27	96	624599	9.320	ppbv 93
19) Isopropyl Alcohol	3.96	45	1045224	9.831	ppbv # 98
20) Methylene Chloride	4.33	84	534877	8.387	ppbv 94
21) Allyl Chloride	4.40	41	1022066	9.581	ppbv 98
22) trans-1,2-Dichloroethene	4.87	96	576851	9.506	ppbv 98
23) Vinyl Acetate	5.06	43	2116979	9.887	ppbv 99
24) 1,1-Dichloroethane	5.00	63	1620762	9.591	ppbv 99
25) Ethyl Acetate	5.66	43	3512600	9.549	ppbv 99
26) Hexane	5.67	57	1421335	9.443	ppbv 99
27) Carbon Disulfide	4.54	76	1555982	10.416	ppbv 99
28) Methyl tert-Butyl Ether	5.02	73	1926007	9.549	ppbv 99
29) Chloroform	5.74	83	2312960	9.393	ppbv 99
30) Cyclohexane	7.11	84	1209503	9.725	ppbv 100
31) cis-1,2-Dichloroethene	5.54	61	1448672	9.964	ppbv 97
32) 1,1,1-Trichloroethane	6.49	97	2275373	9.196	ppbv 98
34) 2-Butanone	5.23	43	2202871	9.142	ppbv 100
35) Carbon Tetrachloride	7.00	117	2355771	9.120	ppbv 97
36) Benzene	6.88	78	2958202	9.537	ppbv 100
37) 1,2-Dichloroethane	6.29	62	1797553	9.222	ppbv 100
38) Trichloroethene	7.82	130	1043536	8.902	ppbv 97
39) 1,2-Dichloropropane	7.60	63	1186630	8.996	ppbv 98
40) 1,4-Dioxane	7.82	88	377067	8.709	ppbv # 1
41) Tetrahydrofuran	6.03	42	1296840	9.650	ppbv 99
42) Bromodichloromethane	7.78	83	2526026	9.590	ppbv 98
43) Methyl Methacrylate	8.00	69	1309371	10.423	ppbv 99

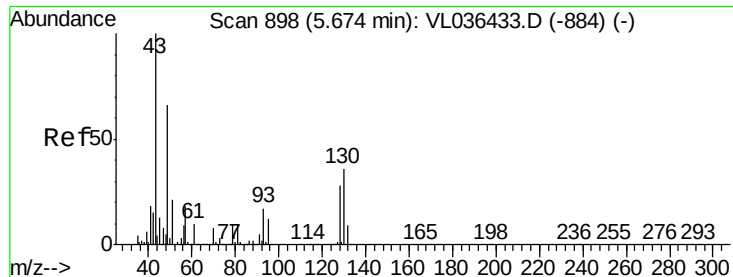
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL031921\
 Data File : VL036450.D
 Acq On : 19 Mar 2021 16:25
 Operator :
 Sample : VL0319ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
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Quant Time: Mar 20 00:41:26 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030321AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 03 14:18:24 2021
 QLast Update : Wed Mar 03 14:18:24 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	5099513	9.016	ppbv	99
45) t-1,3-Dichloropropene	9.27	75	1364100	11.157	ppbv	100
46) cis-1,3-Dichloropropene	8.69	75	1678720	10.517	ppbv	99
47) 1,1,2-Trichloroethane	9.46	97	1180262	8.976	ppbv	97
48) Dibromochloromethane	10.29	129	1955838	9.823	ppbv	100
49) Bromoform	13.03	173	1551968	9.528	ppbv	100
50) 4-Methyl-2-Pentanone	8.73	43	3398144	9.687	ppbv	100
51) 2-Hexanone	10.12	43	2770987	10.449	ppbv #	98
52) Tetrachloroethene	11.21	164	991655	8.525	ppbv	97
53) Toluene	9.79	91	3326238	9.957	ppbv	100
54) 1,2-Dibromoethane	10.59	107	1734557	9.138	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.11	131	1480829	7.290	ppbv	98
57) Chlorobenzene	12.13	112	2369479	7.157	ppbv	96
58) Ethyl Benzene	12.69	91	4397749	7.721	ppbv	99
59) m/p-Xylene	12.98	91	4497098	8.930	ppbv #	54
60) o-Xylene	13.67	91	3523123	7.283	ppbv	99
61) Styrene	13.51	104	2463256	8.373	ppbv	99
62) Isopropylbenzene	14.65	105	5211370	7.145	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.66	83	2376589	6.284	ppbv	99
64) n-propylbenzene	15.55	120	1340301	7.356	ppbv	97
65) tert-Butylbenzene	16.73	119	4411743	6.952	ppbv	100
66) Benzyl Chloride	16.97	91	1434701	8.098	ppbv	100
67) sec-Butylbenzene	17.28	105	6206062	7.003	ppbv	99
69) p-Isopropyltoluene	17.64	119	5131113	7.236	ppbv	99
70) n-Butylbenzene	18.54	91	5332955	7.276	ppbv	99
71) 2-Chlorotoluene	15.44	91	3948580	7.196	ppbv	100
72) 4-Ethyltoluene	15.82	105	3969663	7.555	ppbv	99
73) 1,3,5-Trimethylbenzene	15.98	105	3751588	7.359	ppbv	100
74) 1,2,4-Trimethylbenzene	16.75	105	3788168	6.999	ppbv	99
75) 1,3-Dichlorobenzene	16.98	146	2061840	6.860	ppbv	100
76) 1,4-Dichlorobenzene	17.12	146	2008216	6.686	ppbv	99
77) 1,2-Dichlorobenzene	17.80	146	2012189	6.837	ppbv	99
78) Hexachloro-1,3-Butadiene	23.36	225	1811790	7.736	ppbv	99
79) Naphthalene	22.18	128	3536116	11.154	ppbv	98
80) Naphthalene, 2-methyl-	24.96	142	993416	14.492	ppbv	98
81) 1,2,4-Trichlorobenzene	21.90	180	758014	4.160	ppbv #	9

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. -0.02 min

Lab File: VL036450.D

Acq: 19 Mar 2021 16:25

Instrument :

MSVOA_L

ClientSampled :

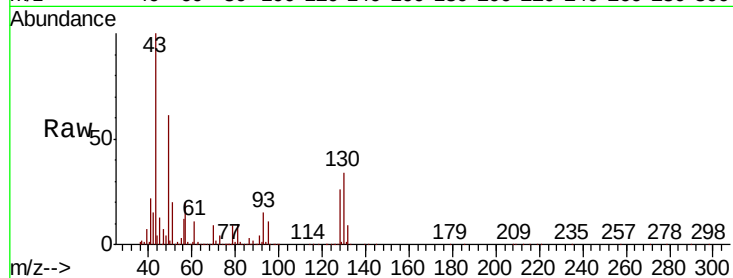
Tot Ion: 49 Resp: 1655498

Ion Ratio Lower Upper

49 100

128 44.4 22.4 67.2

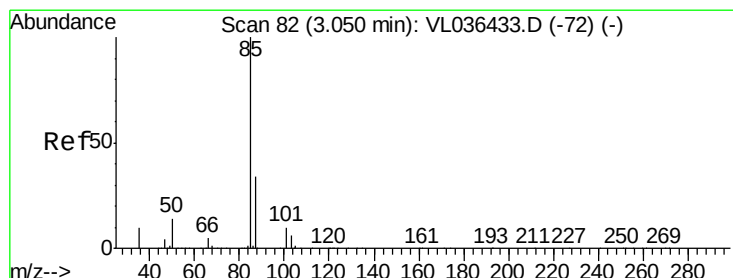
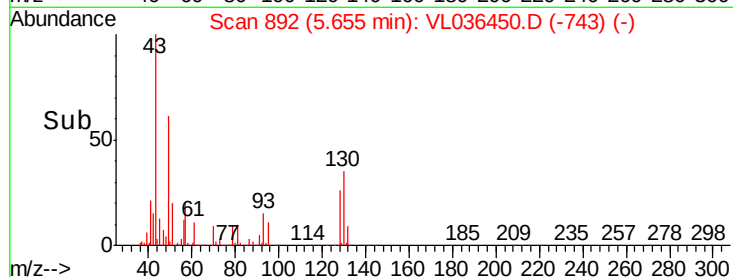
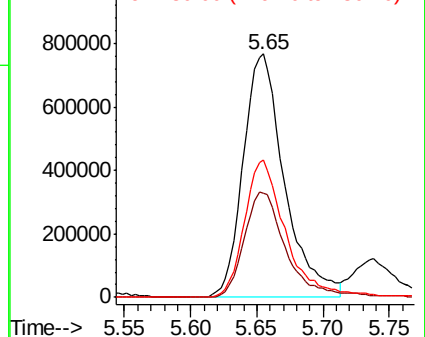
130 57.3 28.0 84.0



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: 9.419 ppbv

RT: 3.03 min Scan# 77

Delta R.T. -0.02 min

Lab File: VL036450.D

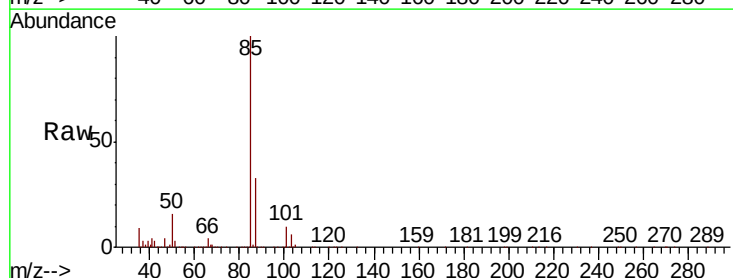
Acq: 19 Mar 2021 16:25

Tgt Ion: 85 Resp: 2154986

Ion Ratio Lower Upper

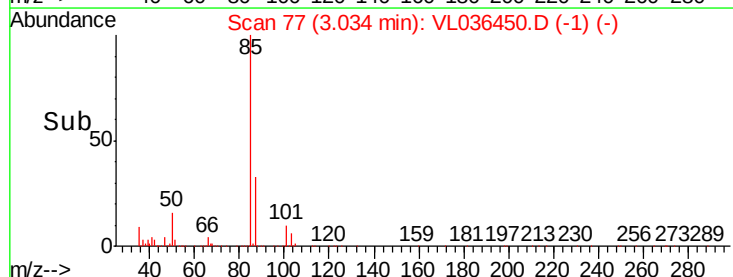
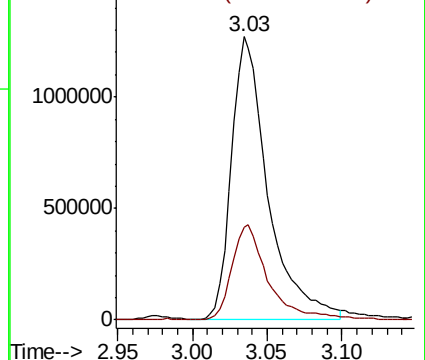
85 100

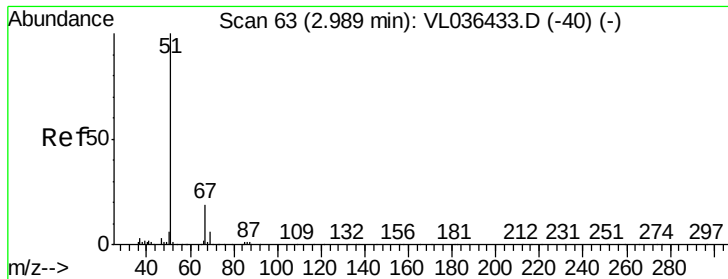
87 32.5 27.1 40.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.136 ppbv

RT: 2.98 min Scan# 59

Delta R.T. -0.01 min

Lab File: VL036450.D

Acq: 19 Mar 2021 16:25

Instrument :

MSVOA_L

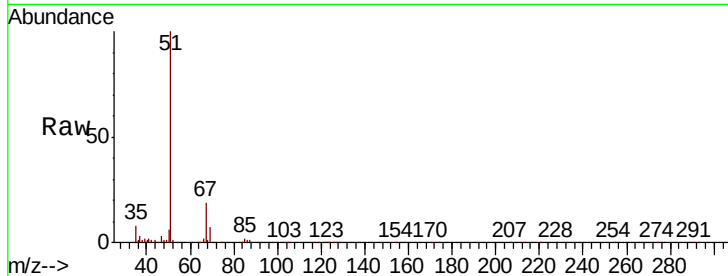
ClientSampleId :

Tot Ion: 51 Resp: 1788913

Ion Ratio Lower Upper

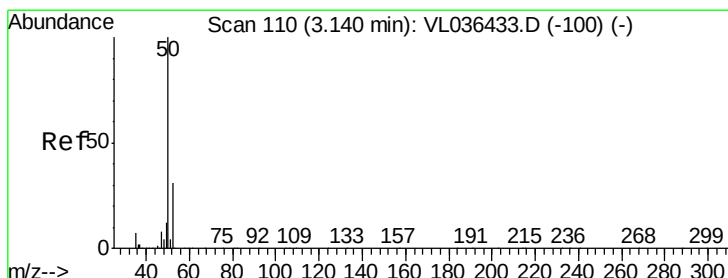
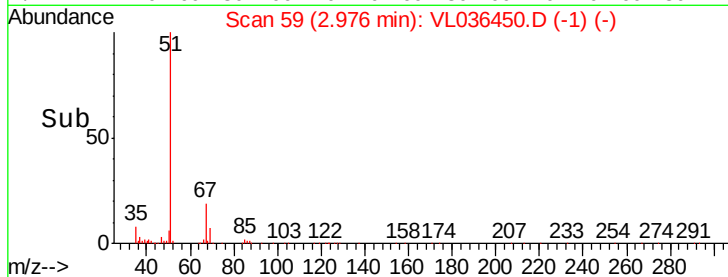
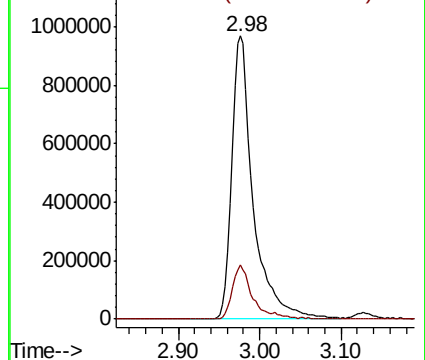
51 100

67 18.7 14.8 22.2



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.348 ppbv

RT: 3.13 min Scan# 106

Delta R.T. -0.01 min

Lab File: VL036450.D

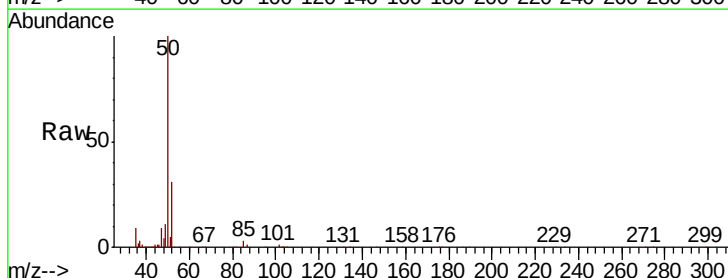
Acq: 19 Mar 2021 16:25

Tgt Ion: 50 Resp: 869812

Ion Ratio Lower Upper

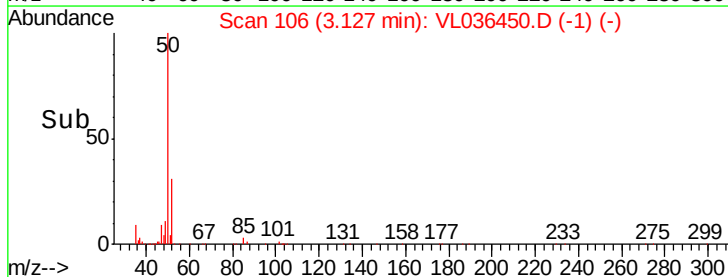
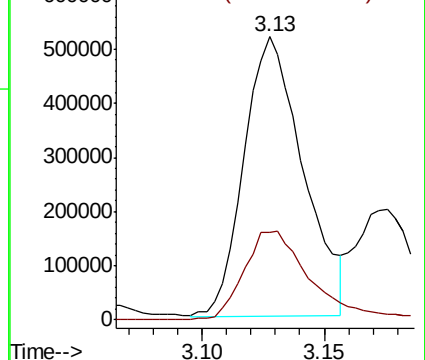
50 100

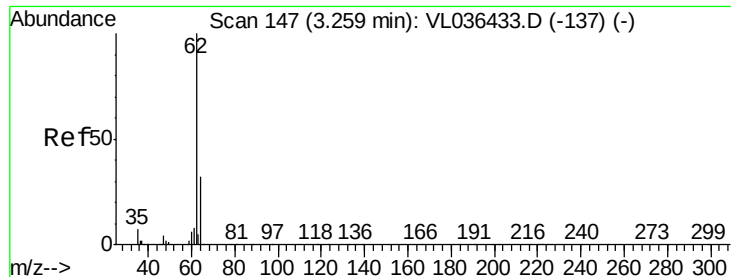
52 31.1 24.6 36.8



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.798 ppbv

RT: 3.25 min Scan# 143

Delta R.T. -0.01 min

Lab File: VL036450.D

Acq: 19 Mar 2021 16:25

Instrument :

MSVOA_L

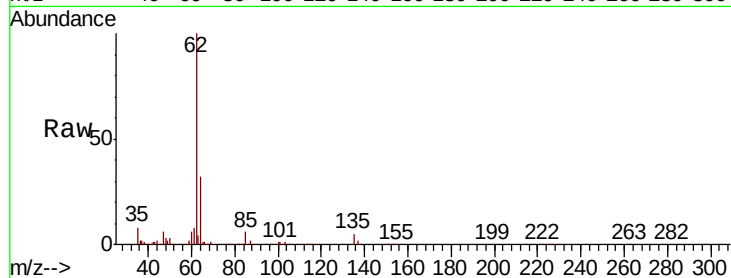
ClientSampleId :

Tot Ion: 62 Resp: 860855

Ion Ratio Lower Upper

62 100

64 31.8 25.4 38.2



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.25

500000

400000

300000

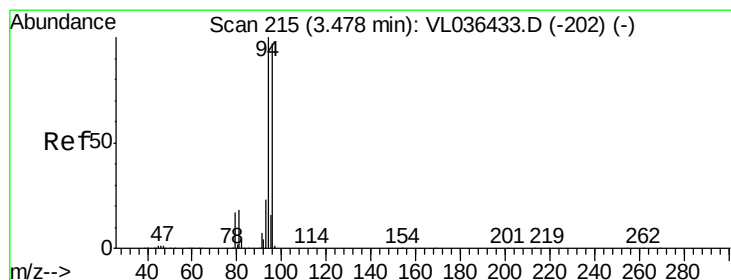
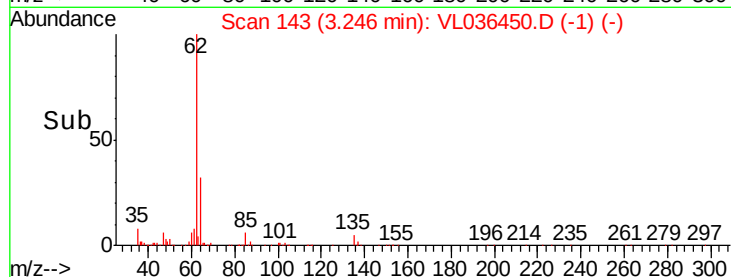
200000

100000

0

Time-->

3.20 3.25 3.30 3.35



#6

Bromomethane

Concen: 9.050 ppbv

RT: 3.46 min Scan# 210

Delta R.T. -0.02 min

Lab File: VL036450.D

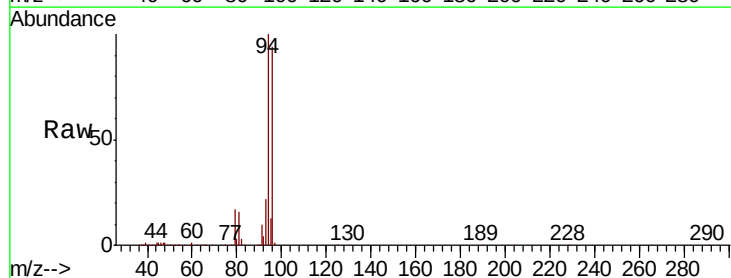
Acq: 19 Mar 2021 16:25

Tgt Ion: 94 Resp: 492945

Ion Ratio Lower Upper

94 100

96 94.2 77.3 115.9



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.46

300000

250000

200000

150000

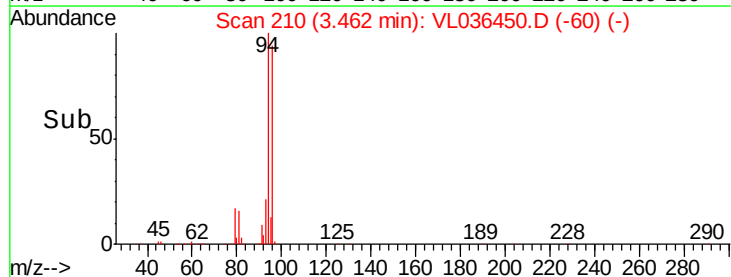
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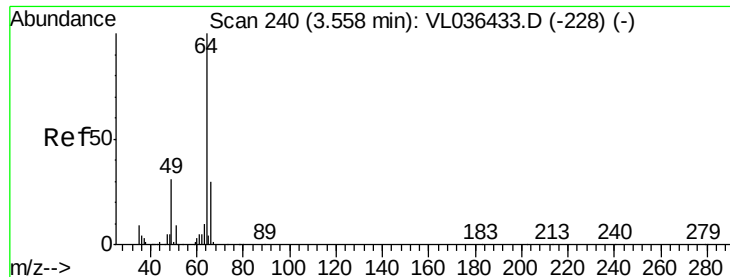
50000

0

Time-->

3.40 3.45 3.50





#7

Chloroethane

Concen: 9.157 ppbv

RT: 3.54 min Scan# 235

Delta R.T. -0.02 min

Lab File: VL036450.D

Acq: 19 Mar 2021 16:25

Instrument :

MSVOA_L

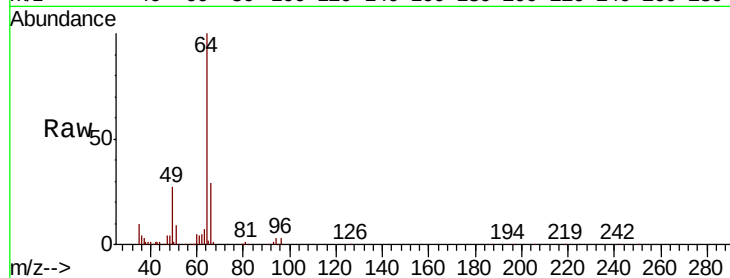
ClientSampleId :

Tot Ion: 64 Resp: 303049

Ion Ratio Lower Upper

64 100

66 29.0 24.3 36.5



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.54

200000

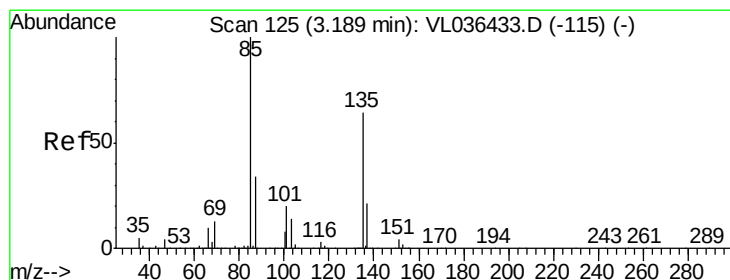
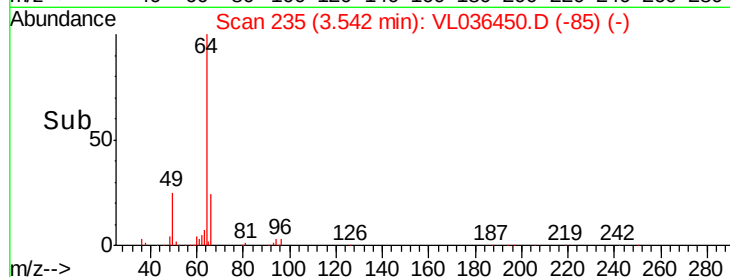
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.277 ppbv

RT: 3.18 min Scan# 121

Delta R.T. -0.01 min

Lab File: VL036450.D

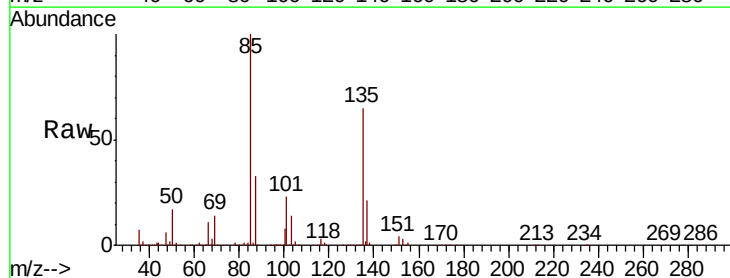
Acq: 19 Mar 2021 16:25

Tgt Ion: 85 Resp: 2084924

Ion Ratio Lower Upper

85 100

135 66.9 52.8 79.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

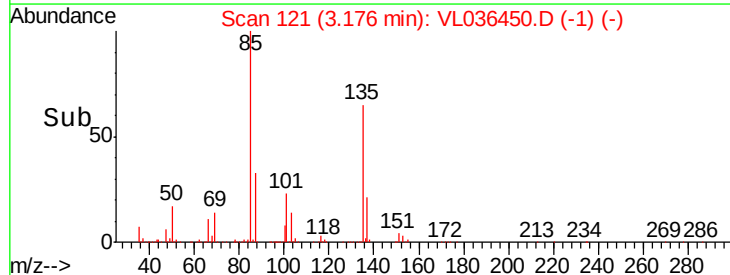
3.18

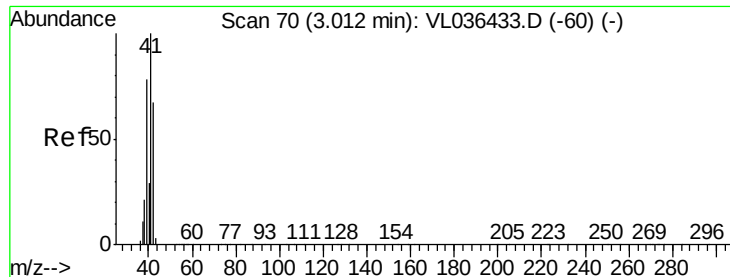
1000000

500000

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Time-->





#9

Propene

Concen: 9.660 ppbv

RT: 3.00 min Scan# 65

Delta R.T. -0.02 min

Lab File: VL036450.D

Acq: 19 Mar 2021 16:25

Instrument :

MSVOA_L

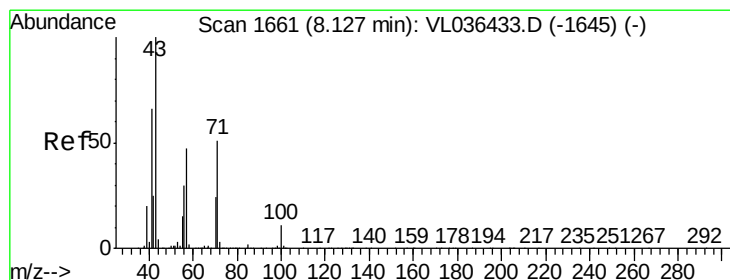
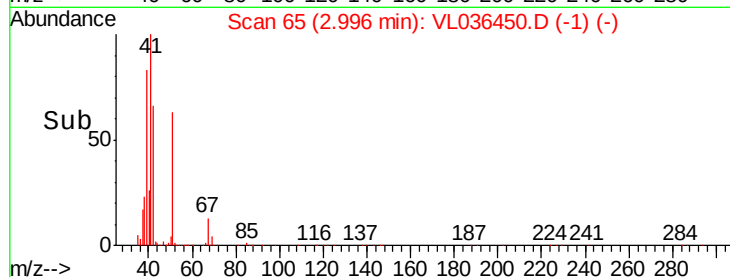
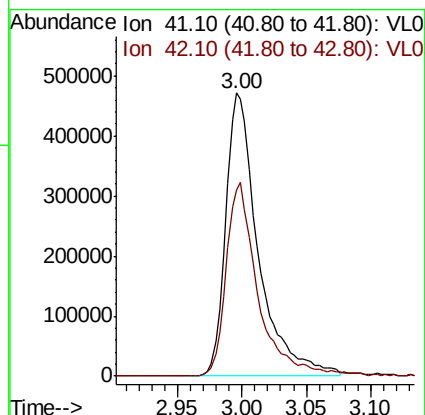
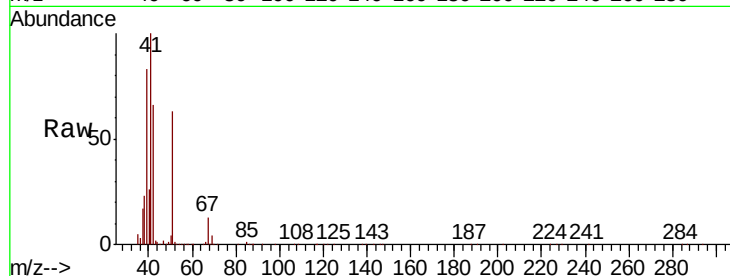
ClientSampleId :

Tot Ion: 41 Resp: 824260

Ion Ratio Lower Upper

41 100

42 67.8 56.2 84.4



#10

Heptane

Concen: 9.878 ppbv

RT: 8.10 min Scan# 1654

Delta R.T. -0.02 min

Lab File: VL036450.D

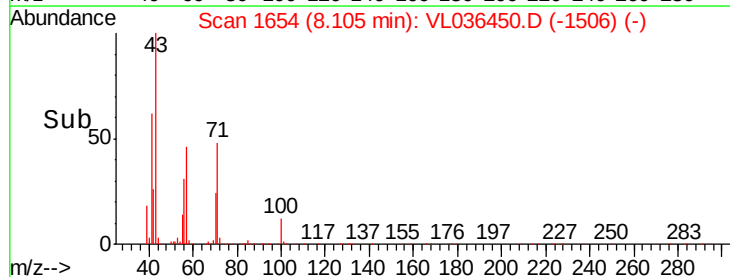
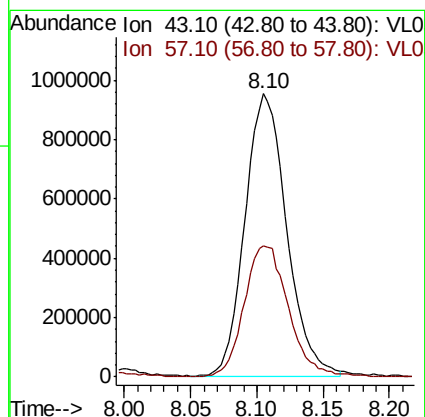
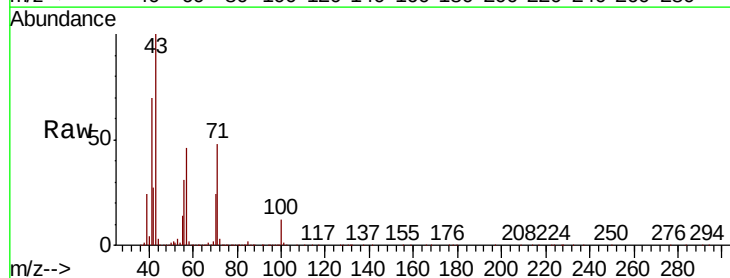
Acq: 19 Mar 2021 16:25

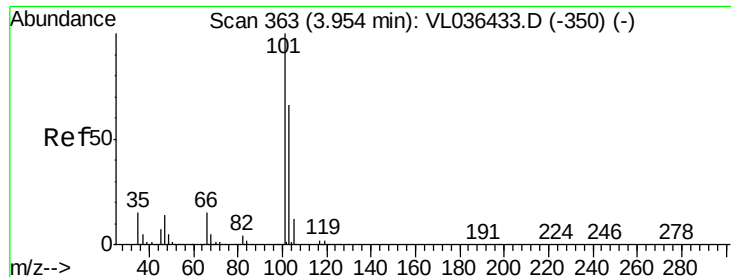
Tgt Ion: 43 Resp: 2077956

Ion Ratio Lower Upper

43 100

57 49.3 39.1 58.7

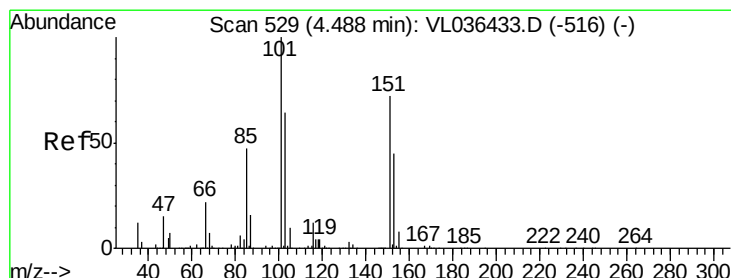
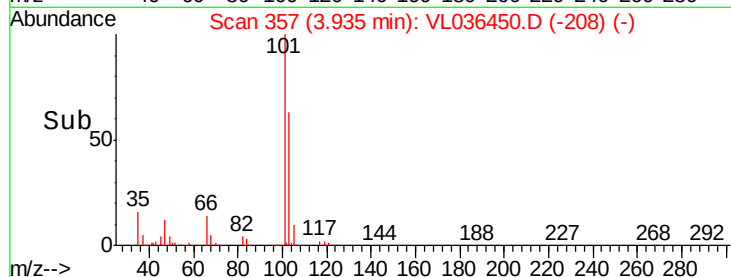
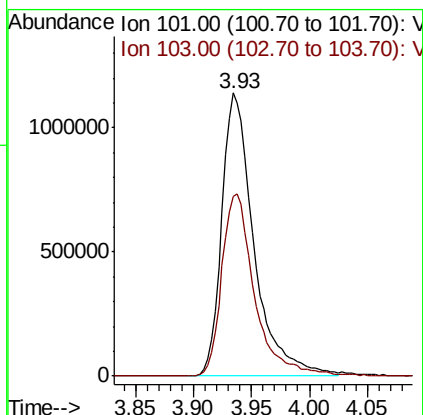
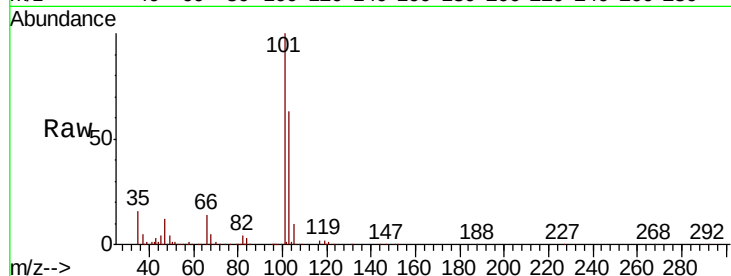




#11
 Trichlorofluoromethane
 Concen: 9.297 ppbv
 RT: 3.93 min Scan# 357
 Delta R.T. -0.02 min
 Lab File: VL036450.D
 Acq: 19 Mar 2021 16:25

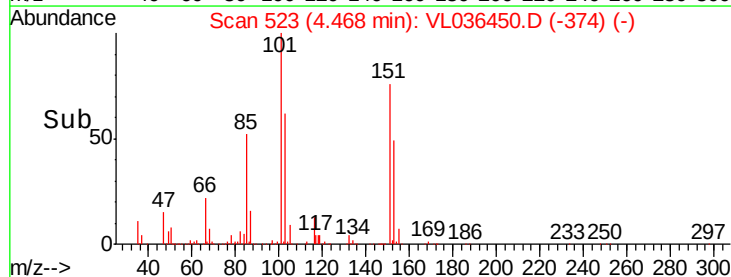
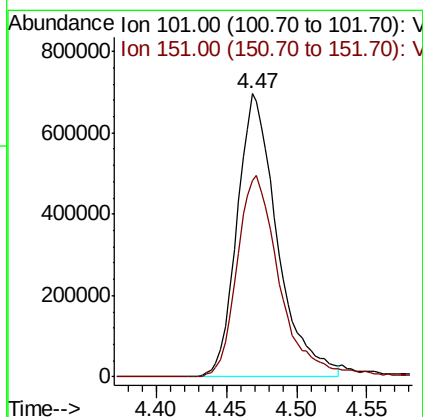
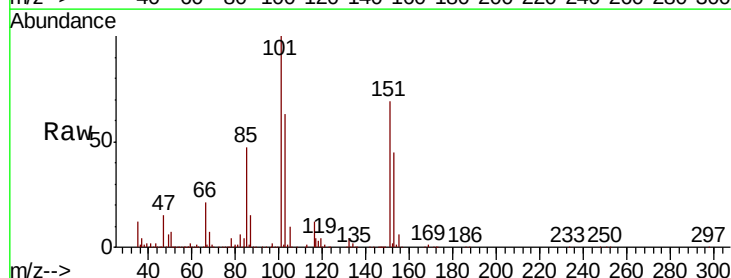
Instrument :
 MSVOA_L
 ClientSampleId :

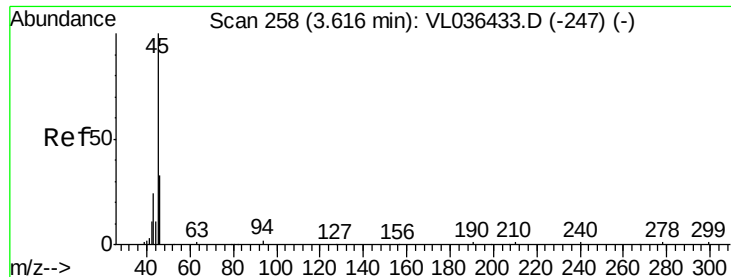
Tot Ion:101 Resp: 2196540
 Ion Ratio Lower Upper
 101 100
 103 63.5 52.4 78.6



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.241 ppbv
 RT: 4.47 min Scan# 523
 Delta R.T. -0.02 min
 Lab File: VL036450.D
 Acq: 19 Mar 2021 16:25

Tgt Ion:101 Resp: 1392426
 Ion Ratio Lower Upper
 101 100
 151 76.3 59.0 88.4

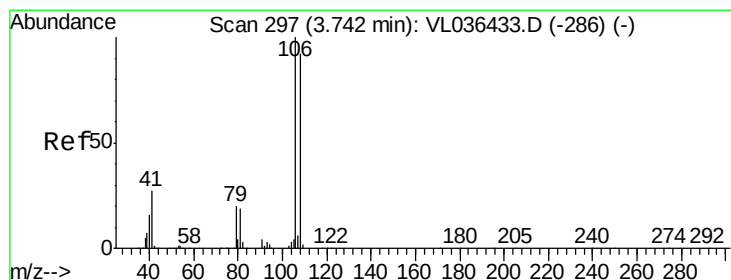
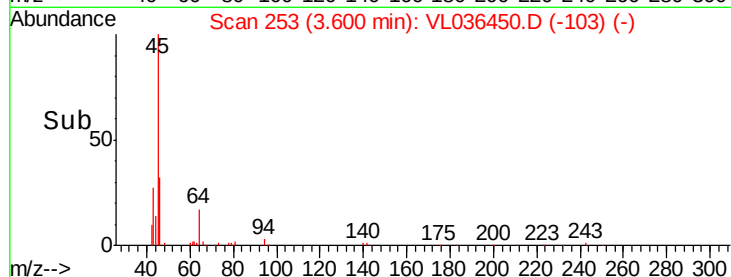
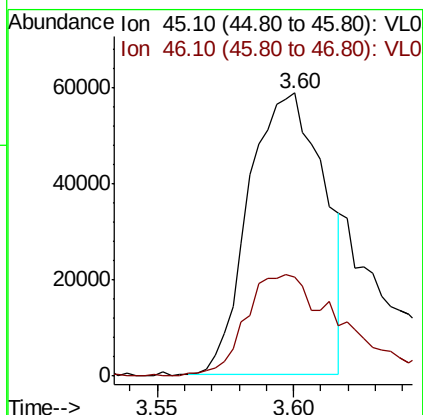
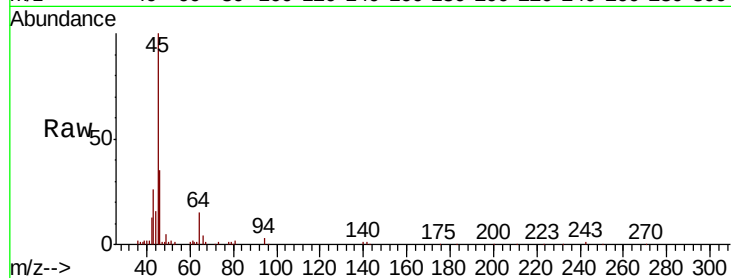




#13
Ethanol
Concen: 8.558 ppbv
RT: 3.60 min Scan# 253
Delta R.T. -0.02 min
Lab File: VL036450.D
Acq: 19 Mar 2021 16:25

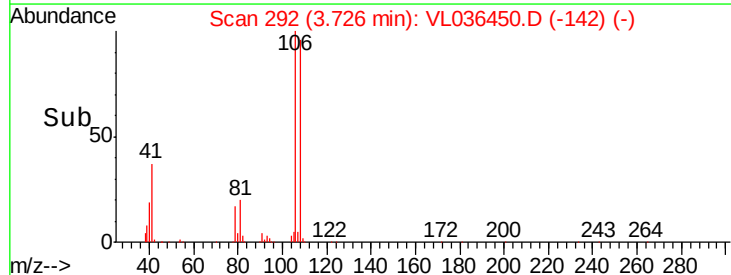
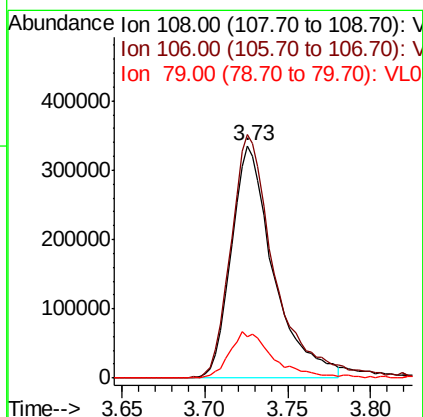
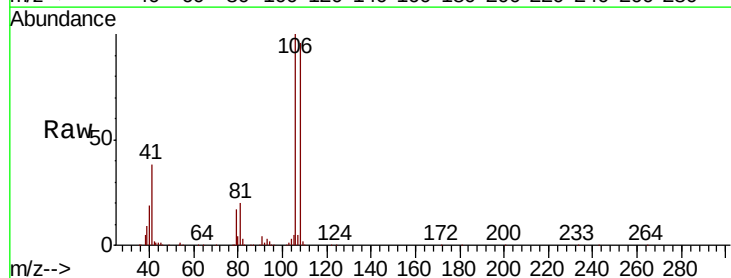
Instrument :
MSVOA_L
ClientSampleId :

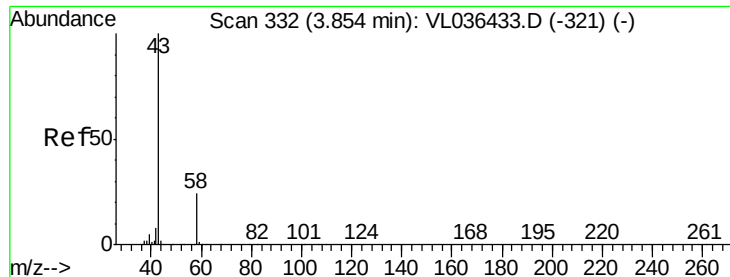
Tot Ion: 45 Resp: 112040
Ion Ratio Lower Upper
45 100
46 50.3 16.8 67.4



#14
Bromoethene
Concen: 9.441 ppbv
RT: 3.73 min Scan# 292
Delta R.T. -0.02 min
Lab File: VL036450.D
Acq: 19 Mar 2021 16:25

Tgt Ion: 108 Resp: 590617
Ion Ratio Lower Upper
108 100
106 111.5 87.0 130.4
79 21.4 17.1 25.7





#15

Acetone

Concen: 8.552 ppbv

RT: 3.83 min Scan# 326

Delta R.T. -0.02 min

Lab File: VL036450.D

Acq: 19 Mar 2021 16:25

Instrument :

MSVOA_L

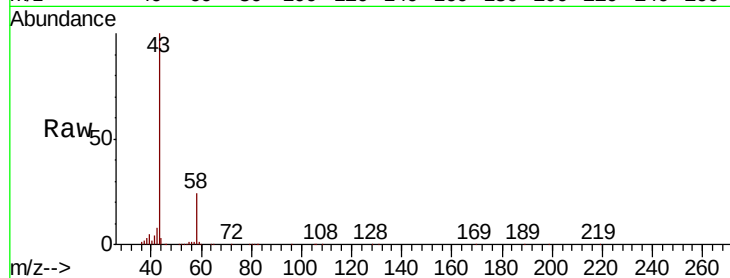
ClientSampleId :

Tot Ion: 43 Resp: 1617888

Ion Ratio Lower Upper

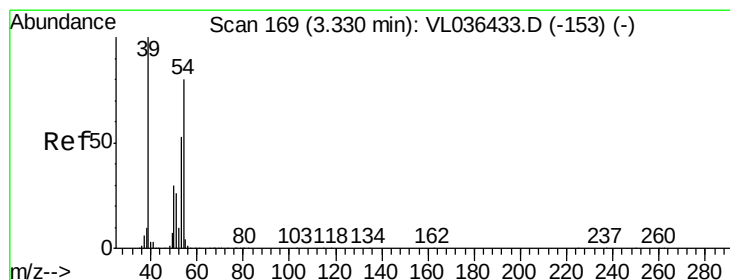
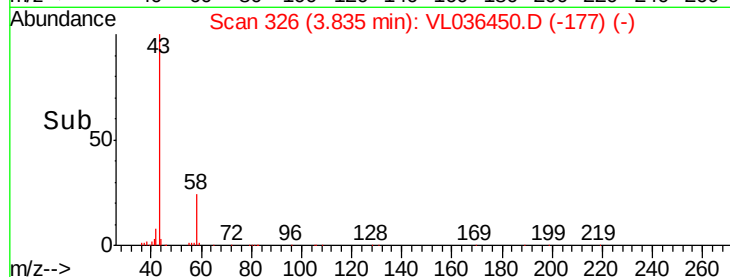
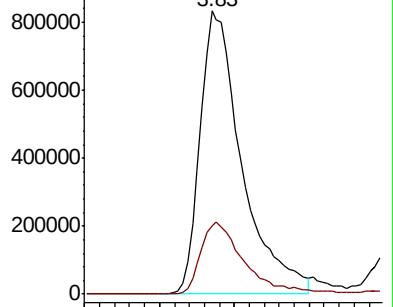
43 100

58 26.8 21.0 31.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 9.160 ppbv

RT: 3.31 min Scan# 164

Delta R.T. -0.02 min

Lab File: VL036450.D

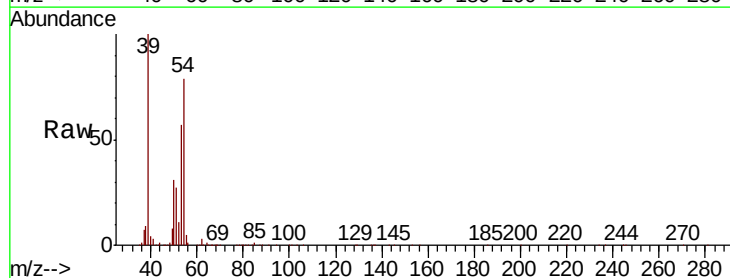
Acq: 19 Mar 2021 16:25

Tgt Ion: 39 Resp: 835822

Ion Ratio Lower Upper

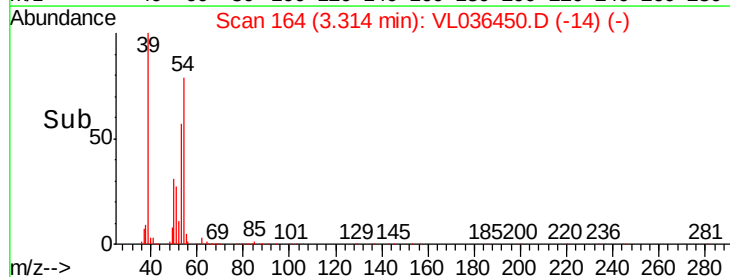
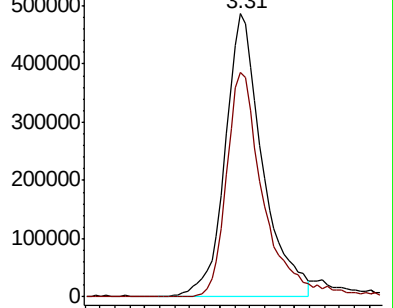
39 100

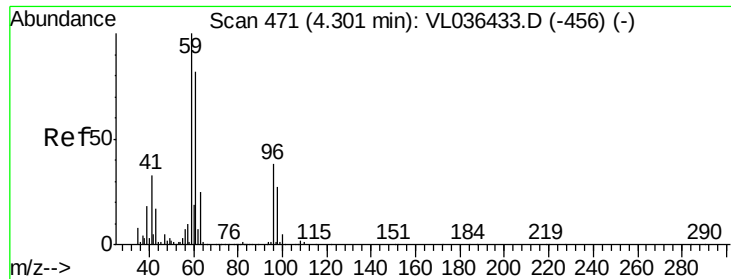
54 80.5 64.5 96.7



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0



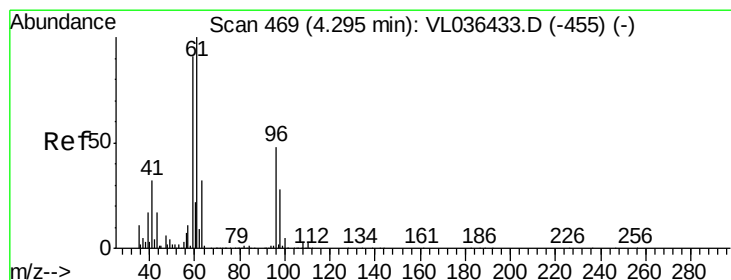
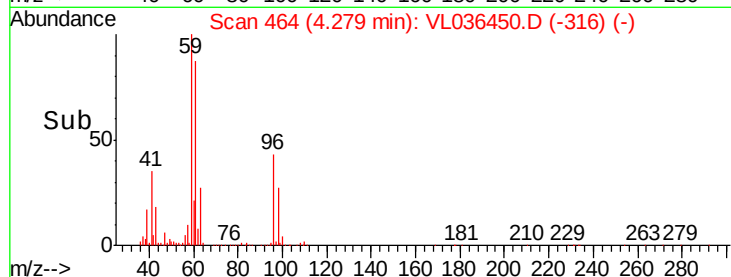
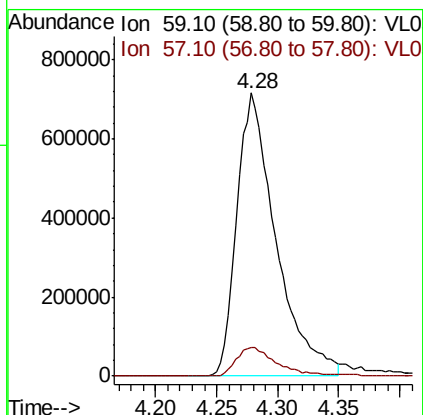
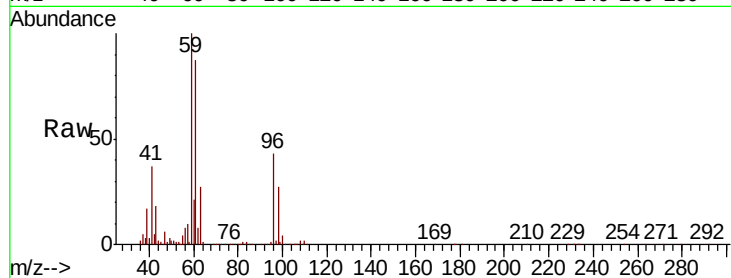


#17

tert-Butyl alcohol
Concen: 10.626 ppbv
RT: 4.28 min Scan# 464
Delta R.T. -0.02 min
Lab File: VL036450.D
Acq: 19 Mar 2021 16:25

Instrument :
MSVOA_L
ClientSampled :

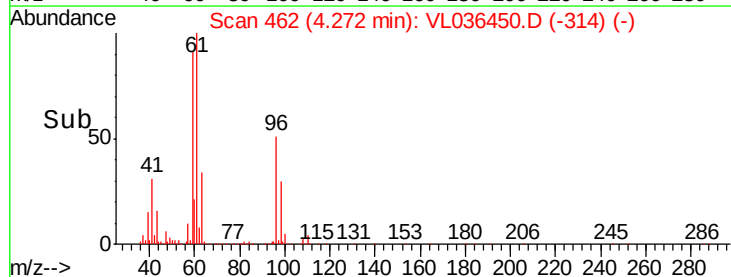
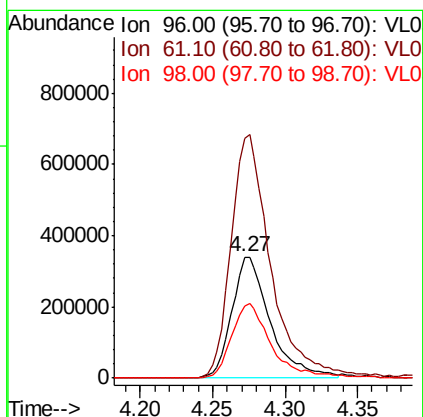
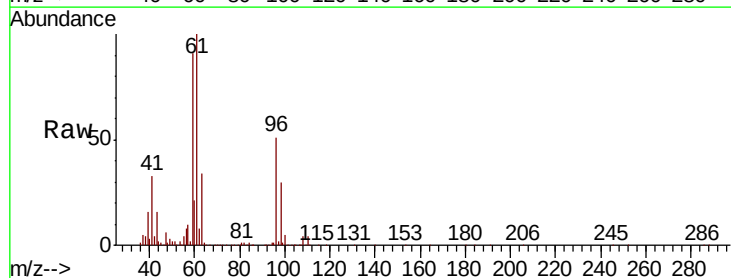
Tot Ion: 59 Resp: 1594109
Ion Ratio Lower Upper
59 100
57 11.3 8.9 13.3

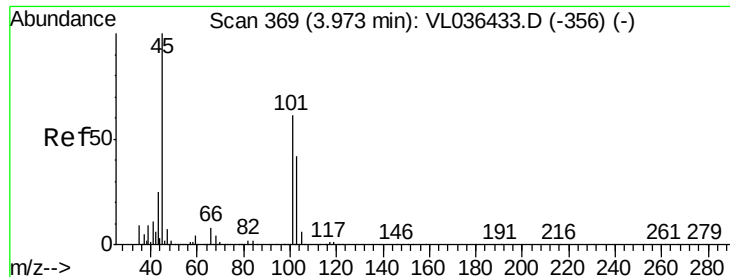


#18

1,1-Dichloroethene
Concen: 9.320 ppbv
RT: 4.27 min Scan# 462
Delta R.T. -0.02 min
Lab File: VL036450.D
Acq: 19 Mar 2021 16:25

Tgt Ion: 96 Resp: 624599
Ion Ratio Lower Upper
96 100
61 197.4 168.2 252.2
98 59.2 47.8 71.6





#19

Isopropyl Alcohol

Concen: 9.831 ppbv

RT: 3.96 min Scan# 364

Delta R.T. -0.02 min

Lab File: VL036450.D

Acq: 19 Mar 2021 16:25

Instrument :

MSVOA_L

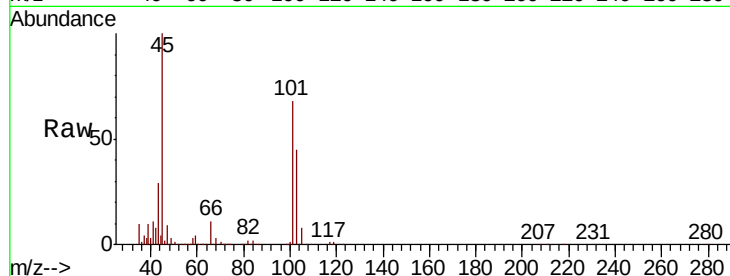
ClientSampleId :

Tot Ion: 45 Resp: 1045224

Ion Ratio Lower Upper

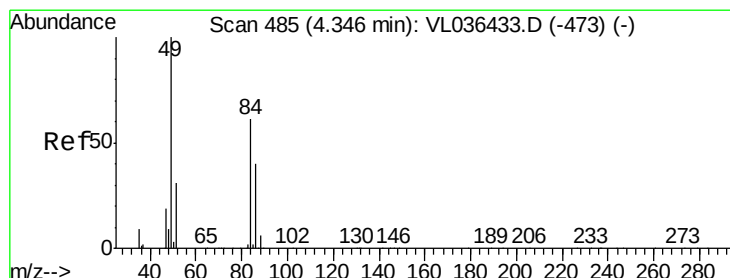
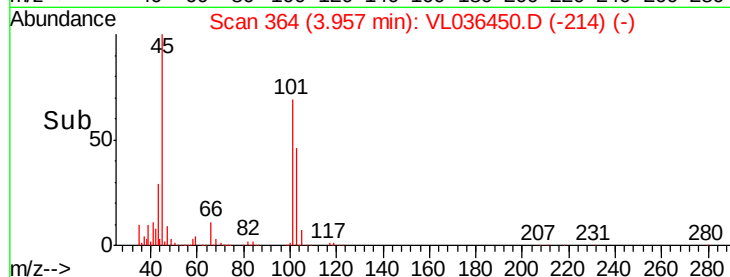
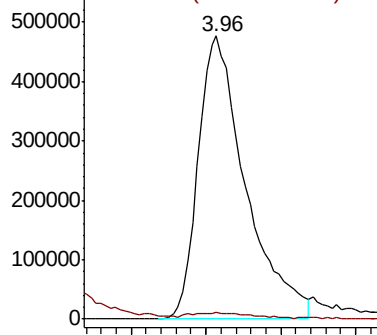
45 100

58 3.2 2.0 3.0#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 8.387 ppbv

RT: 4.33 min Scan# 480

Delta R.T. -0.02 min

Lab File: VL036450.D

Acq: 19 Mar 2021 16:25

Tgt Ion: 84 Resp: 534877

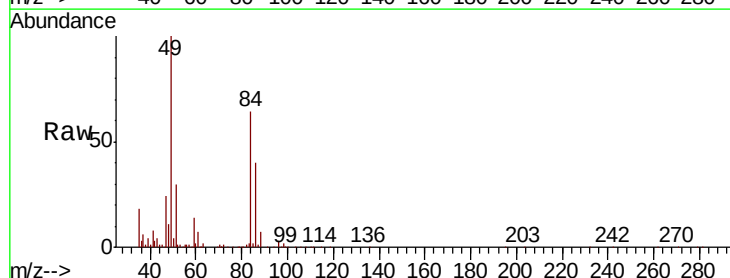
Ion Ratio Lower Upper

84 100

49 154.2 130.2 195.2

51 44.4 40.5 60.7

86 63.2 51.4 77.2

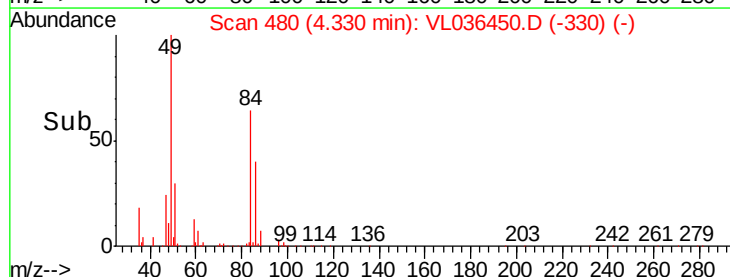
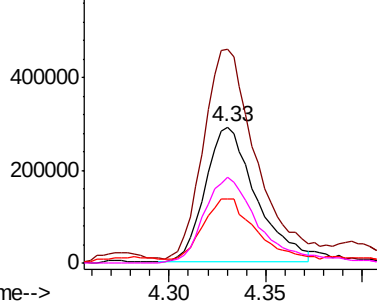


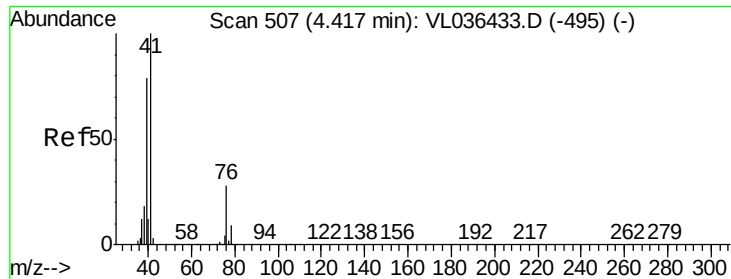
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

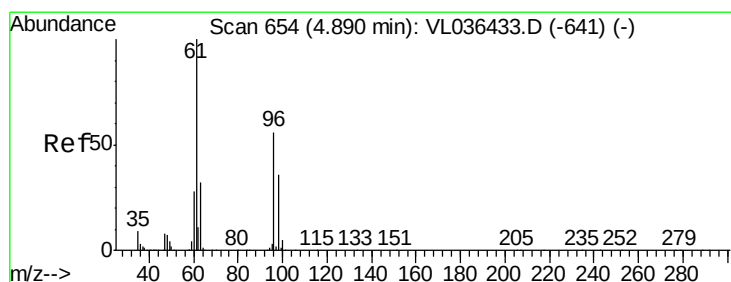
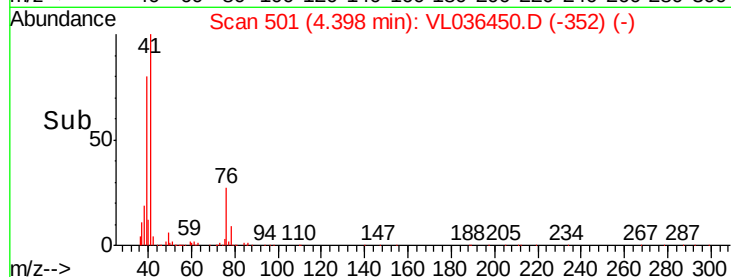
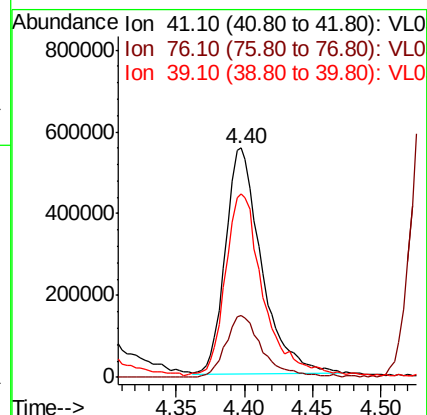
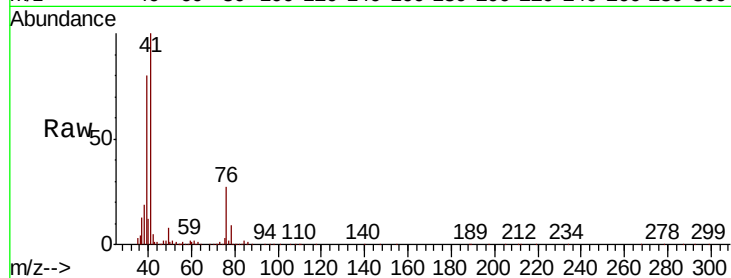




#21
Allvl Chloride
Concen: 9.581 ppbv
RT: 4.40 min Scan# 501
Delta R.T. -0.02 min
Lab File: VL036450.D
Acq: 19 Mar 2021 16:25

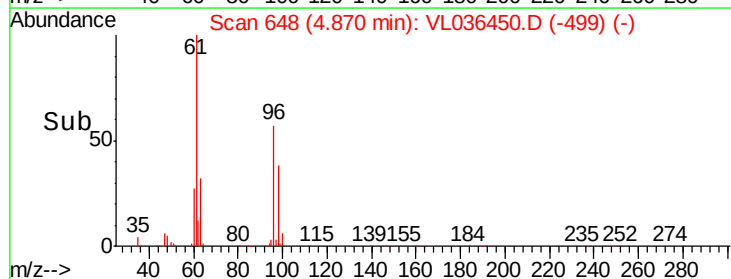
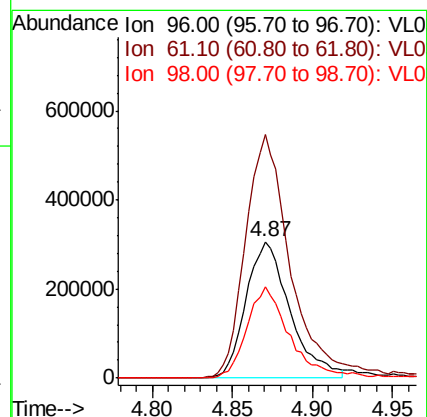
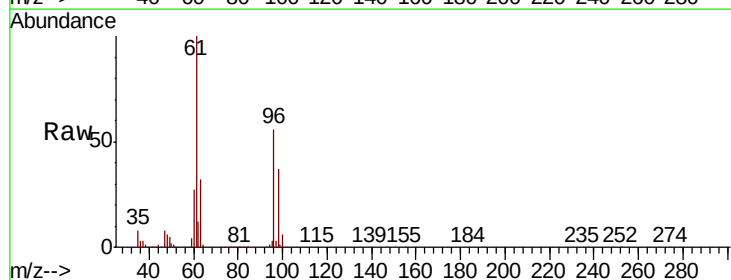
Instrument :
MSVOA_L
ClientSampleId :

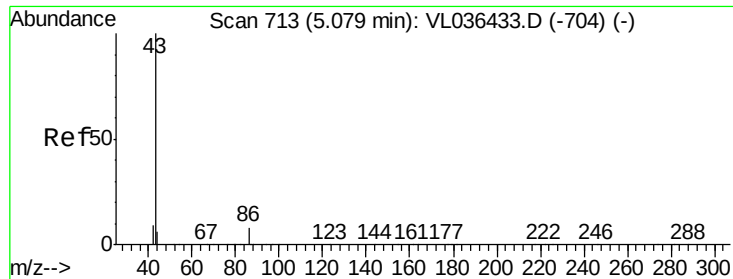
Tot Ion: 41 Resp: 1022066
Ion Ratio Lower Upper
41 100
76 27.7 21.8 32.8
39 85.2 66.0 99.0



#22
trans-1,2-Dichloroethene
Concen: 9.506 ppbv
RT: 4.87 min Scan# 648
Delta R.T. -0.02 min
Lab File: VL036450.D
Acq: 19 Mar 2021 16:25

Tgt Ion: 96 Resp: 576851
Ion Ratio Lower Upper
96 100
61 178.8 142.1 213.1
98 67.0 50.6 75.8



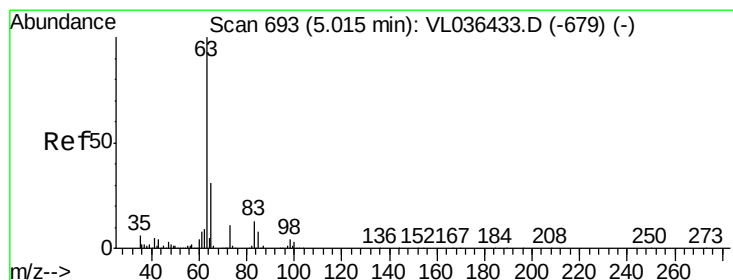
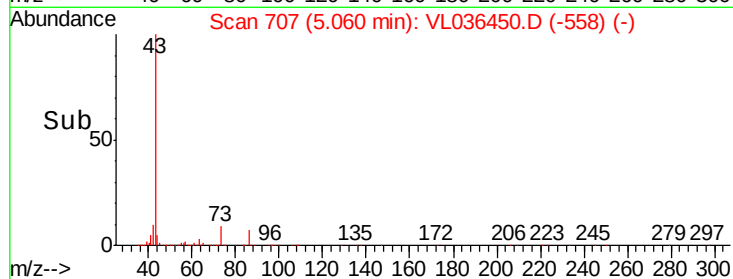
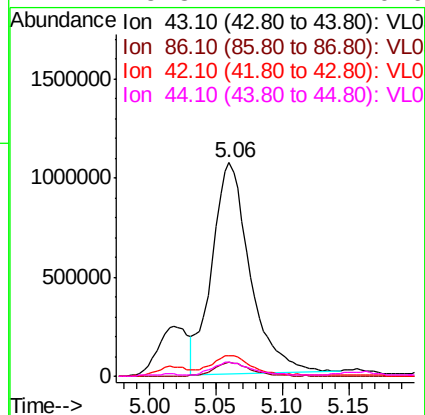
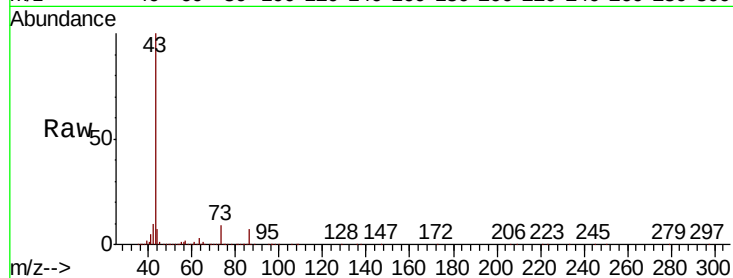


#23
 Vinyl Acetate
 Concen: 9.887 ppbv
 RT: 5.06 min Scan# 707
 Delta R.T. -0.02 min
 Lab File: VL036450.D
 Acq: 19 Mar 2021 16:25

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 43 Resp: 2116979

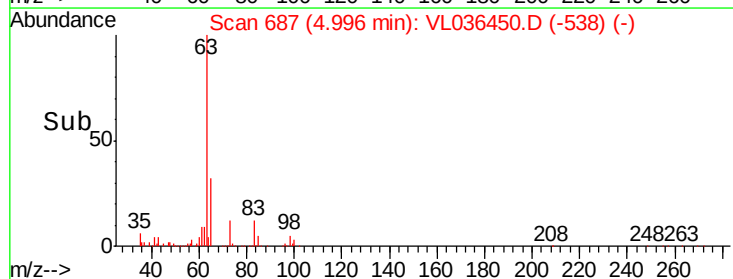
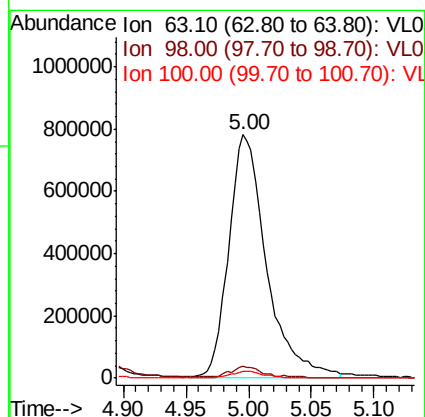
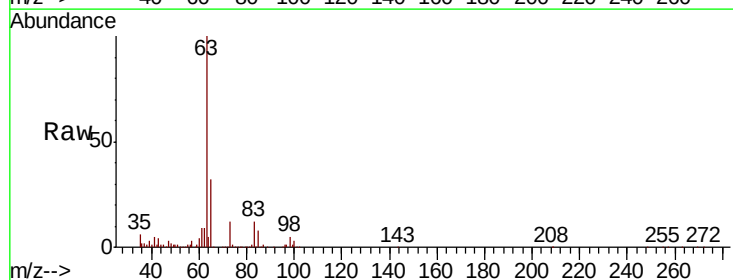
Ion	Ratio	Lower	Upper
43	100		
86	6.7	5.2	7.8
42	9.6	8.3	12.5
44	5.8	4.4	6.6

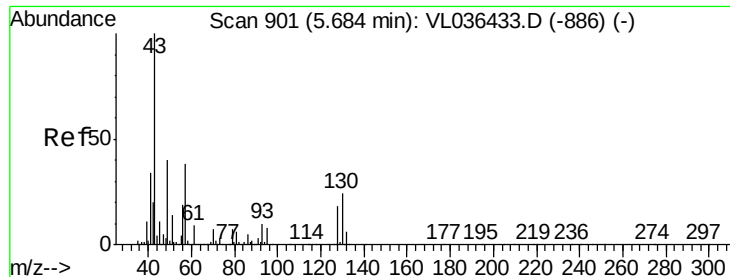


#24
 1,1-Dichloroethane
 Concen: 9.591 ppbv
 RT: 5.00 min Scan# 687
 Delta R.T. -0.02 min
 Lab File: VL036450.D
 Acq: 19 Mar 2021 16:25

Tgt Ion: 63 Resp: 1620762

Ion	Ratio	Lower	Upper
63	100		
98	4.5	2.0	5.8
100	2.9	1.3	3.8



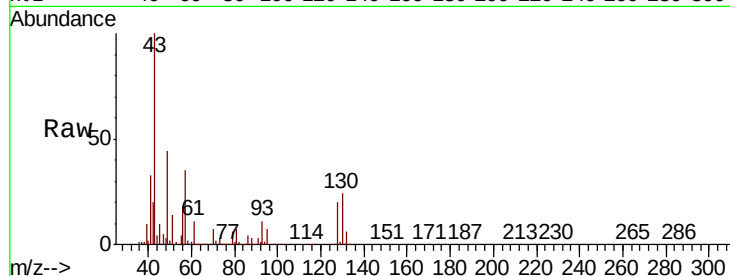


#25
Ethyl Acetate
Concen: 9.549 ppbv
RT: 5.66 min Scan# 894
Delta R.T. -0.02 min
Lab File: VL036450.D
Acq: 19 Mar 2021 16:25

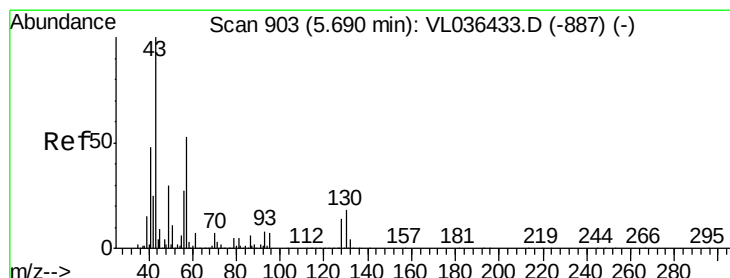
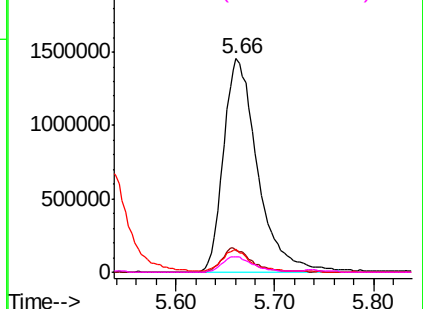
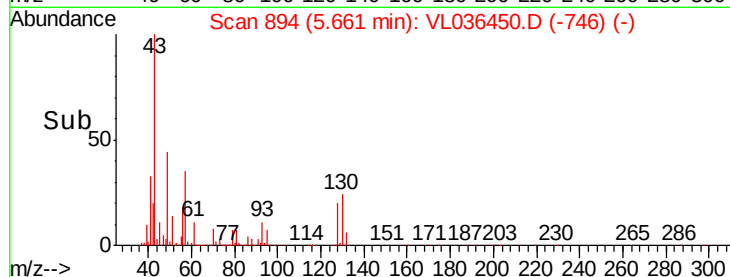
Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 43 Resp: 3512600

Ion	Ratio	Lower	Upper
43	100		
45	10.3	8.0	12.0
61	9.8	7.7	11.5
70	7.0	5.4	8.0



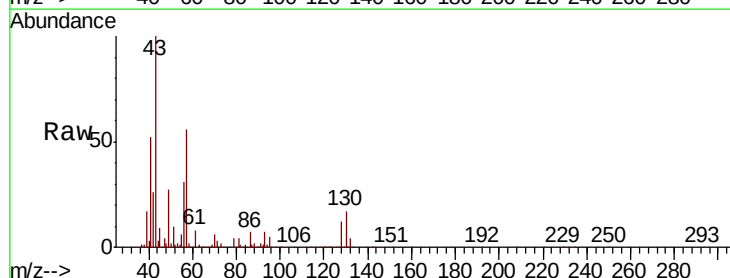
Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0



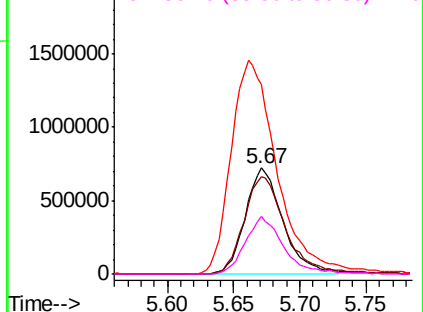
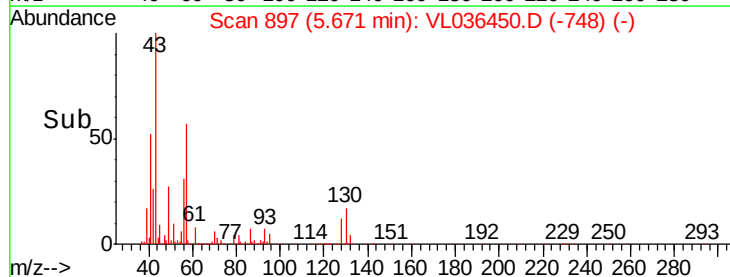
#26
Hexane
Concen: 9.443 ppbv
RT: 5.67 min Scan# 897
Delta R.T. -0.02 min
Lab File: VL036450.D
Acq: 19 Mar 2021 16:25

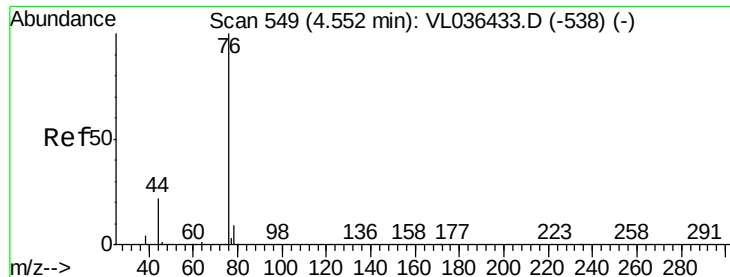
Tgt Ion: 57 Resp: 1421335

Ion	Ratio	Lower	Upper
57	100		
41	102.3	80.4	120.6
43	248.8	199.8	299.6
56	55.7	43.8	65.8



Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 10.416 ppbv

RT: 4.54 min Scan# 544

Delta R.T. -0.02 min

Lab File: VL036450.D

Acq: 19 Mar 2021 16:25

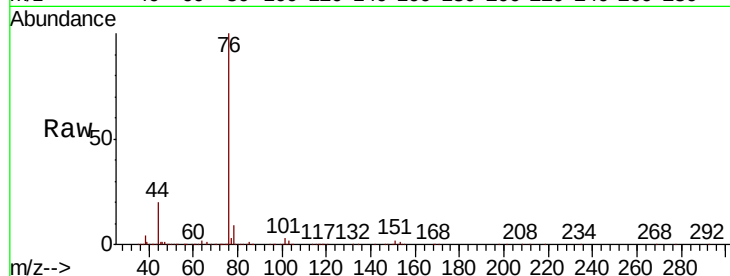
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 76 Resp: 1555982

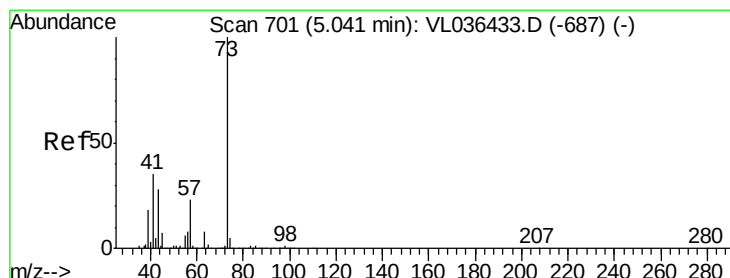
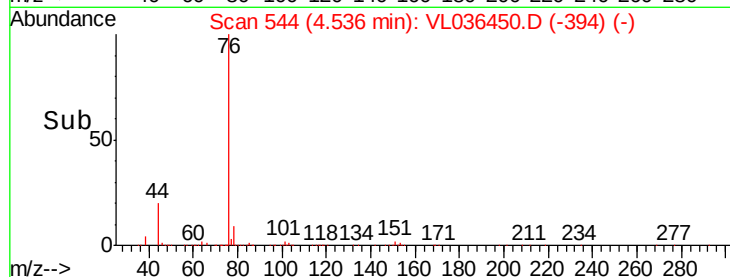
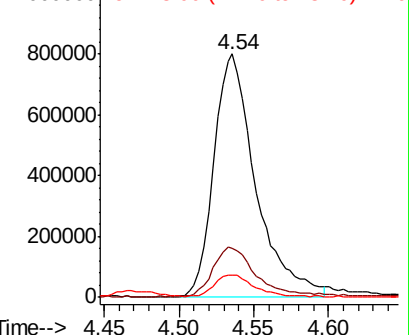
Ion	Ratio	Lower	Upper
76	100		
44	21.9	17.4	26.0
78	9.5	7.4	11.0



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: 9.549 ppbv

RT: 5.02 min Scan# 694

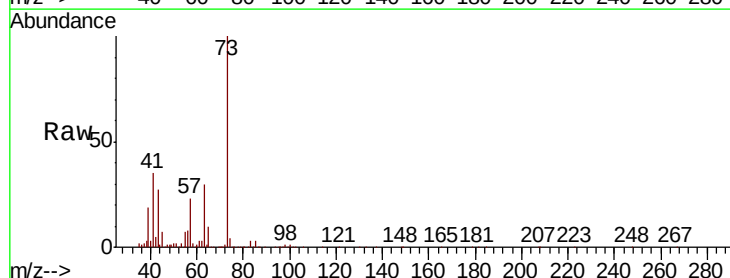
Delta R.T. -0.02 min

Lab File: VL036450.D

Acq: 19 Mar 2021 16:25

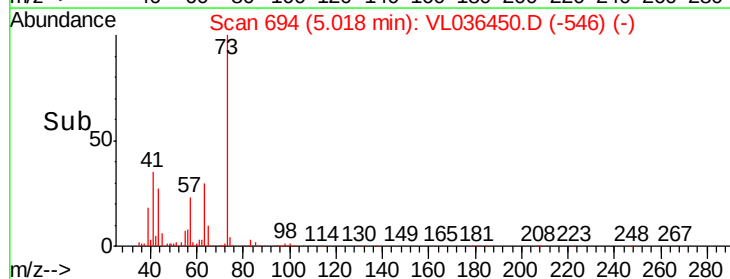
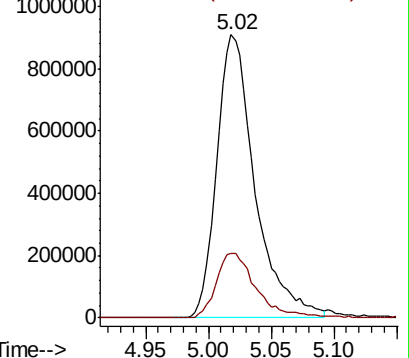
Tgt Ion: 73 Resp: 1926007

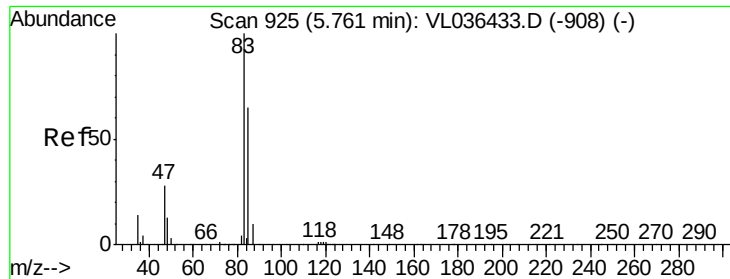
Ion	Ratio	Lower	Upper
73	100		
57	24.1	19.0	28.6



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

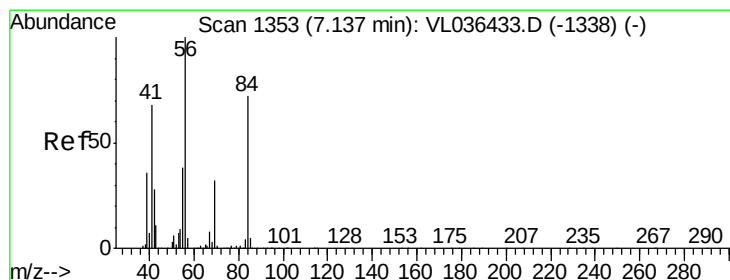
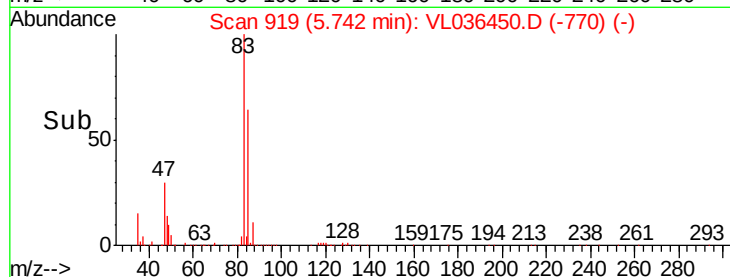
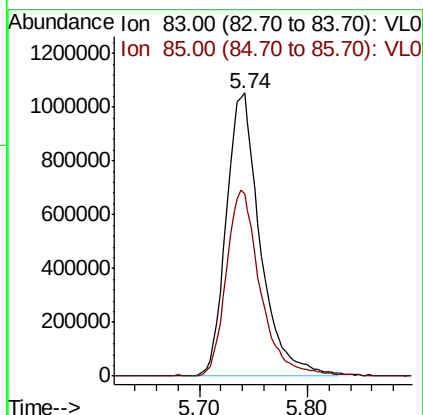
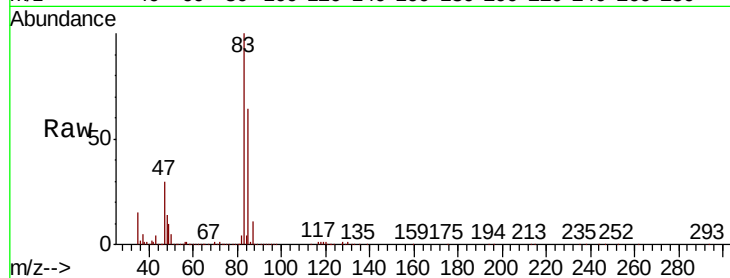




#29
Chloroform
Concen: 9.393 ppbv
RT: 5.74 min Scan# 919
Delta R.T. -0.02 min
Lab File: VL036450.D
Acq: 19 Mar 2021 16:25

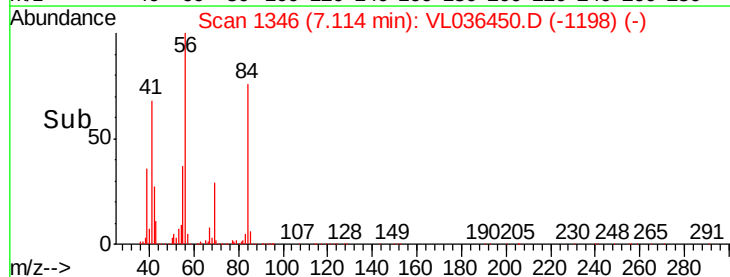
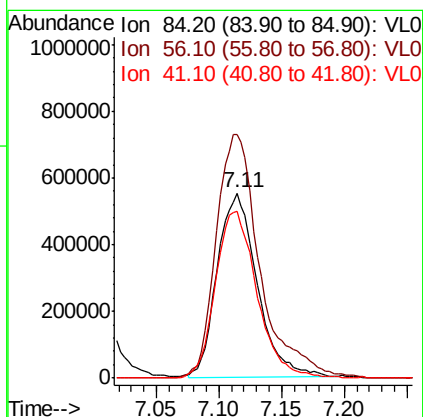
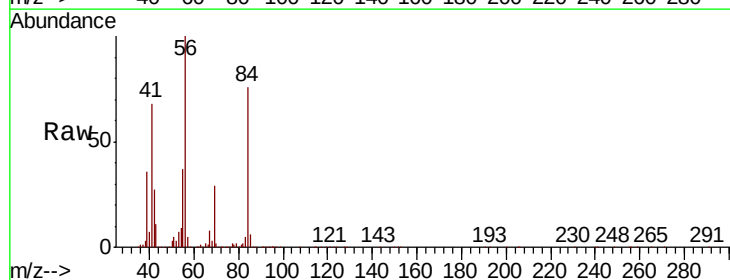
Instrument :
MSVOA_L
ClientSampleId :

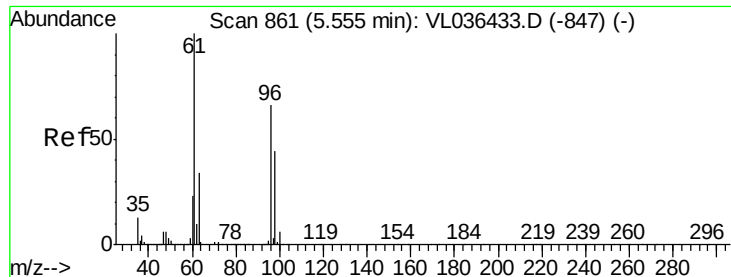
Tot Ion: 83 Resp: 2312960
Ion Ratio Lower Upper
83 100
85 64.0 51.9 77.9



#30
Cyclohexane
Concen: 9.725 ppbv
RT: 7.11 min Scan# 1346
Delta R.T. -0.02 min
Lab File: VL036450.D
Acq: 19 Mar 2021 16:25

Tgt Ion: 84 Resp: 1209503
Ion Ratio Lower Upper
84 100
56 147.3 117.6 176.4
41 95.5 75.9 113.9



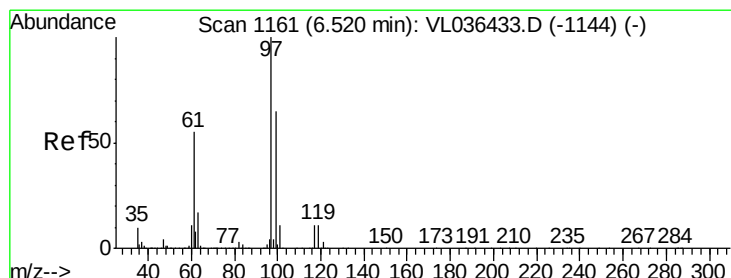
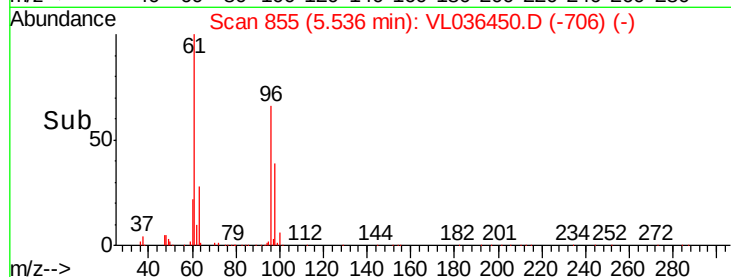
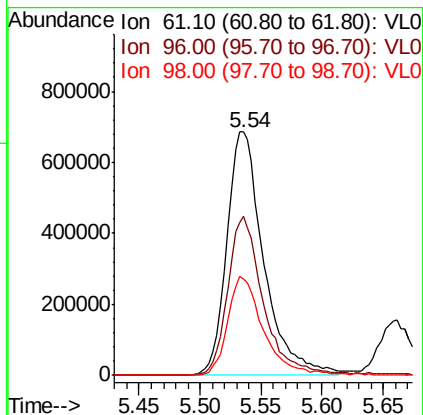
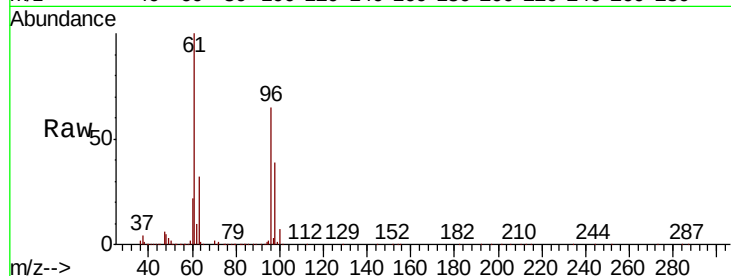


#31

cis-1,2-Dichloroethene
 Concen: 9.964 ppbv
 RT: 5.54 min Scan# 855
 Delta R.T. -0.02 min
 Lab File: VL036450.D
 Acq: 19 Mar 2021 16:25

Instrument :
 MSVOA_L
 ClientSampleId :

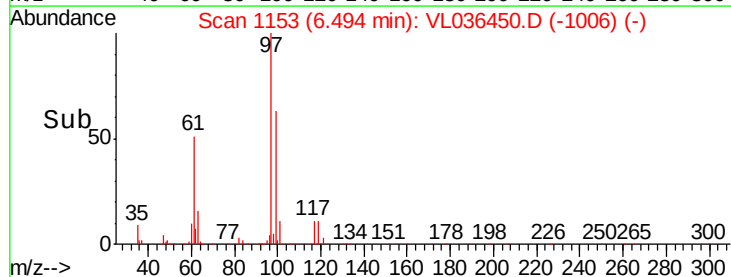
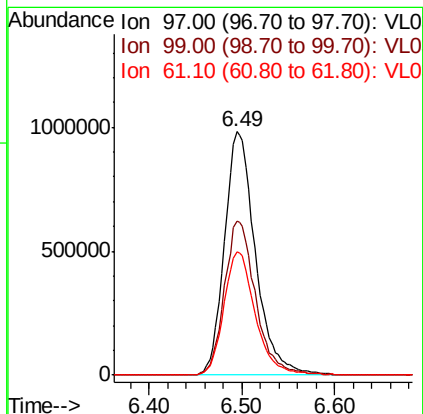
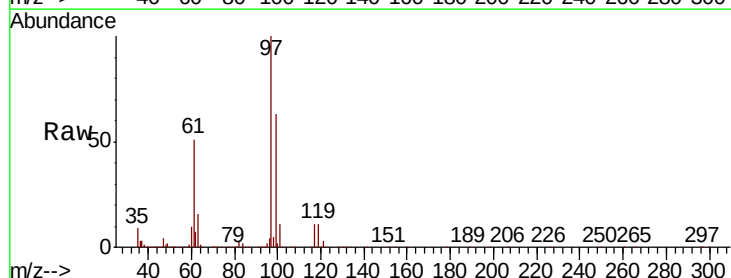
Tot Ion: 61 Resp: 1448672
 Ion Ratio Lower Upper
 61 100
 96 65.5 52.9 79.3
 98 39.5 34.9 52.3

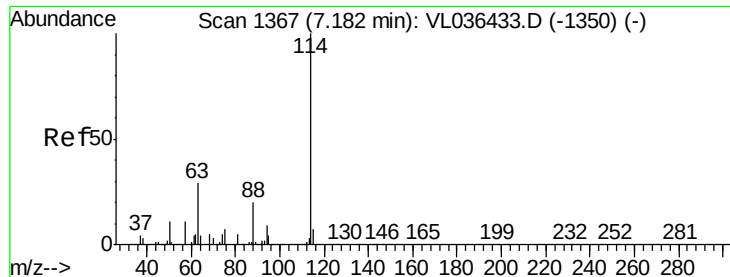


#32

1,1,1-Trichloroethane
 Concen: 9.196 ppbv
 RT: 6.49 min Scan# 1153
 Delta R.T. -0.03 min
 Lab File: VL036450.D
 Acq: 19 Mar 2021 16:25

Tgt Ion: 97 Resp: 2275373
 Ion Ratio Lower Upper
 97 100
 99 64.0 52.1 78.1
 61 51.4 42.2 63.4

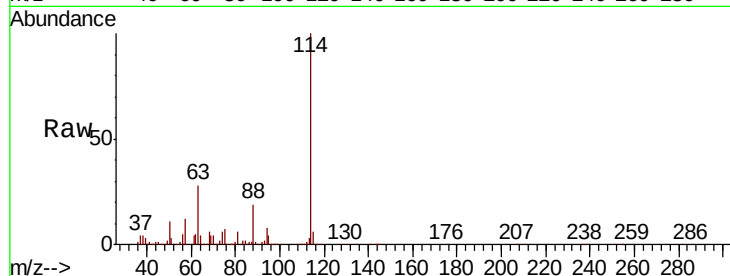




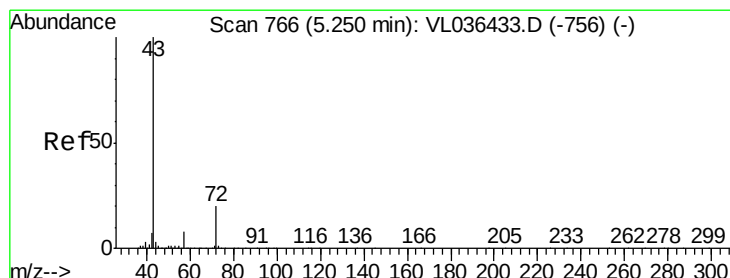
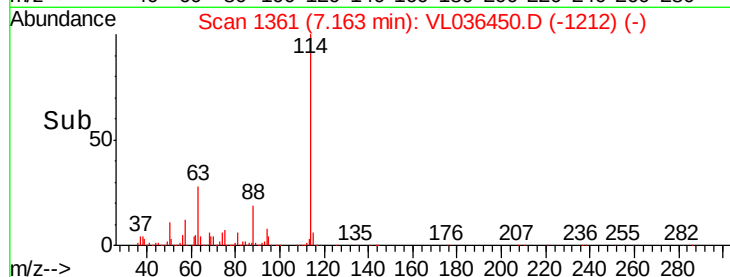
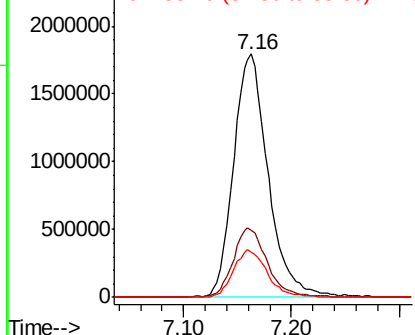
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1361
 Delta R.T. -0.02 min
 Lab File: VL036450.D
 Acq: 19 Mar 2021 16:25

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:114 Resp: 3997573
 Ion Ratio Lower Upper
 114 100
 63 28.5 23.3 34.9
 88 19.5 15.6 23.4

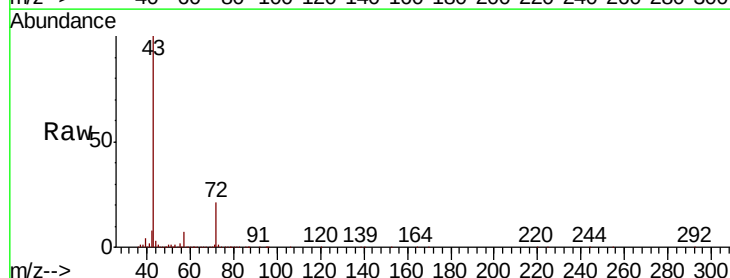


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

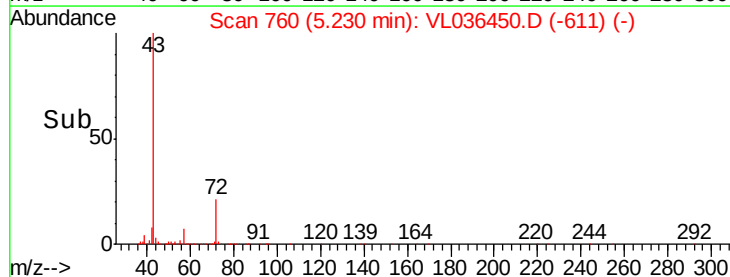
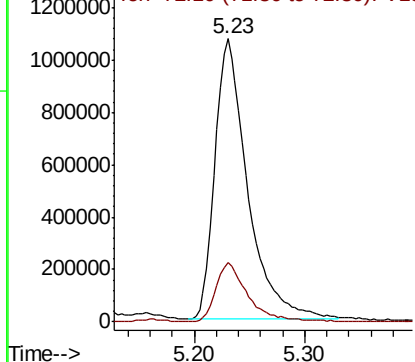


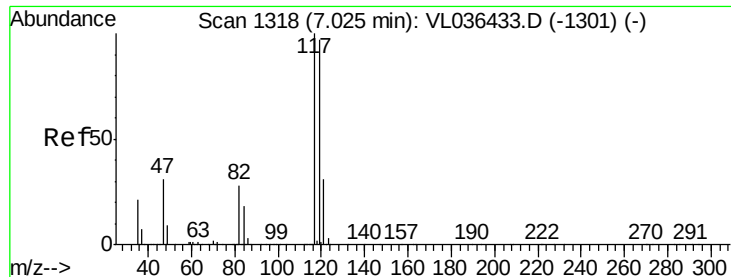
#34
 2-Butanone
 Concen: 9.142 ppbv
 RT: 5.23 min Scan# 760
 Delta R.T. -0.02 min
 Lab File: VL036450.D
 Acq: 19 Mar 2021 16:25

Tgt Ion: 43 Resp: 2202871
 Ion Ratio Lower Upper
 43 100
 72 20.9 16.7 25.1



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





#35

Carbon Tetrachloride

Concen: 9.120 ppbv

RT: 7.00 min Scan# 1311

Delta R.T. -0.02 min

Lab File: VL036450.D

Acq: 19 Mar 2021 16:25

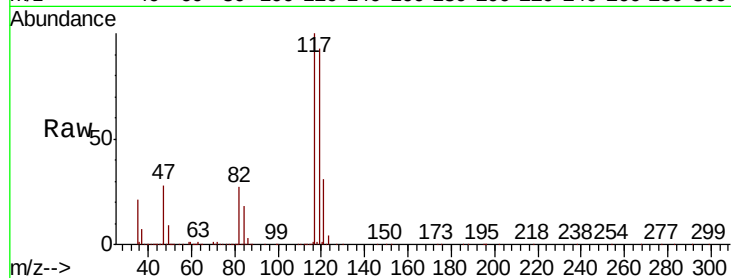
Instrument :

MSVOA_L

ClientSampled :

Tot Ion:117 Resp: 2355771

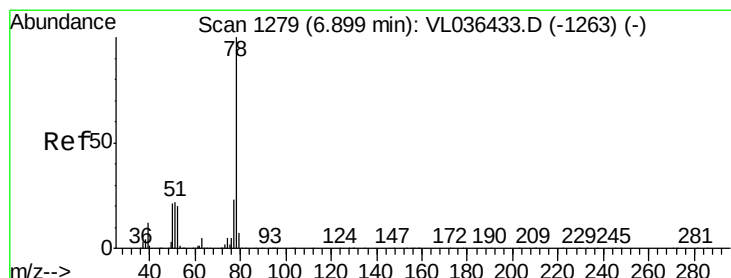
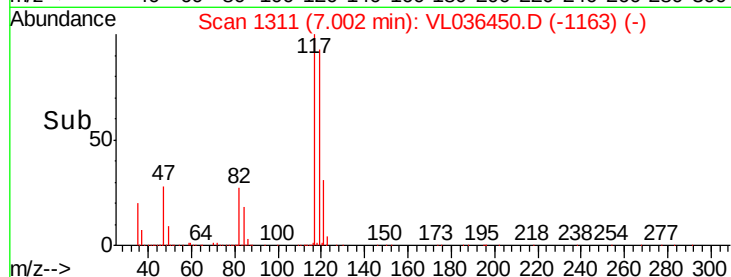
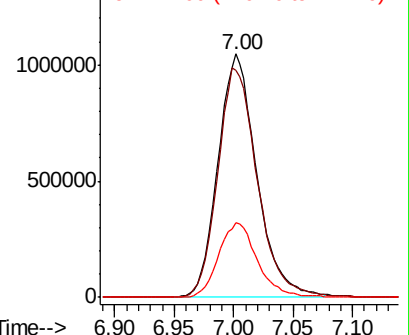
Ion	Ratio	Lower	Upper
117	100		
119	93.4	77.8	116.6
121	30.7	24.6	36.8



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: 9.537 ppbv

RT: 6.88 min Scan# 1272

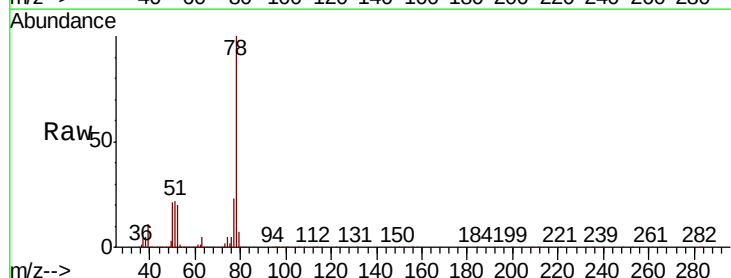
Delta R.T. -0.02 min

Lab File: VL036450.D

Acq: 19 Mar 2021 16:25

Tgt Ion: 78 Resp: 2958202

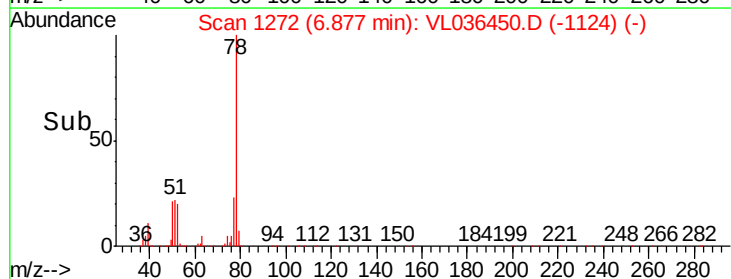
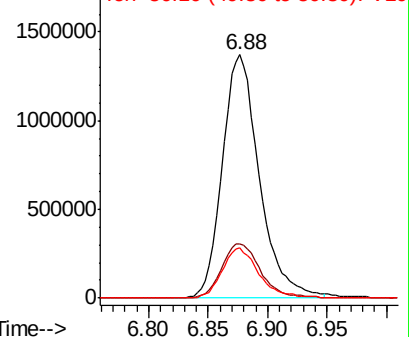
Ion	Ratio	Lower	Upper
78	100		
77	22.5	18.1	27.1
50	20.9	16.8	25.2

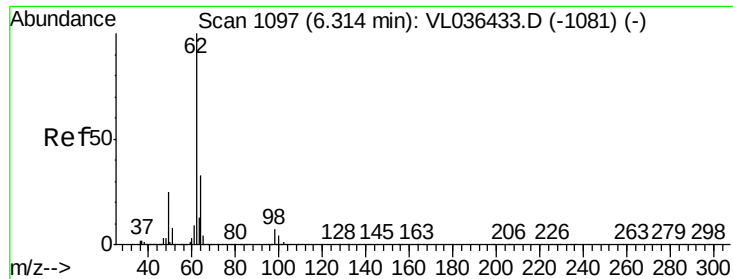


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

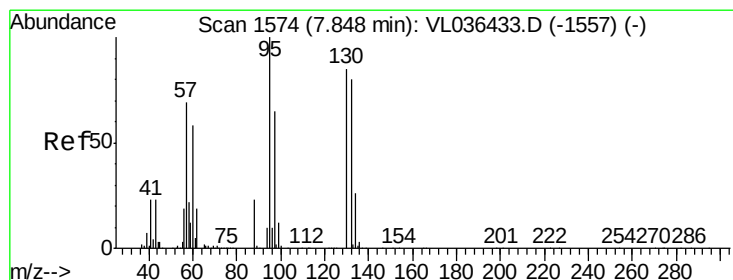
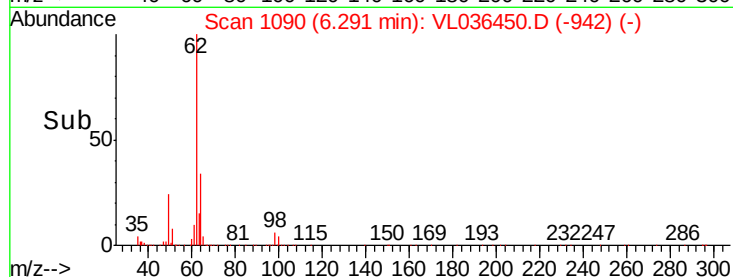
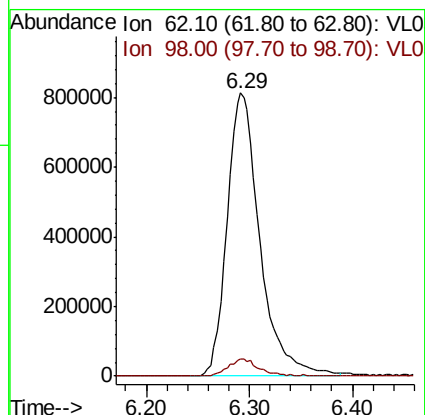
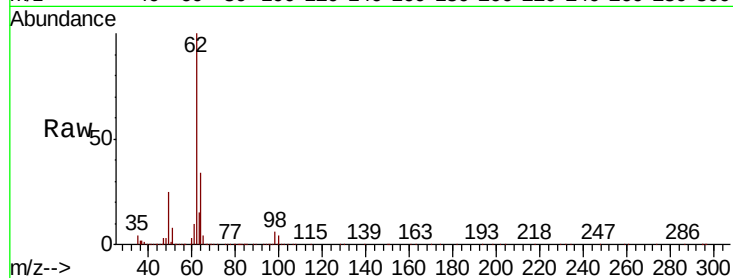




#37
 1,2-Dichloroethane
 Concen: 9.222 ppbv
 RT: 6.29 min Scan# 1090
 Delta R.T. -0.02 min
 Lab File: VL036450.D
 Acq: 19 Mar 2021 16:25

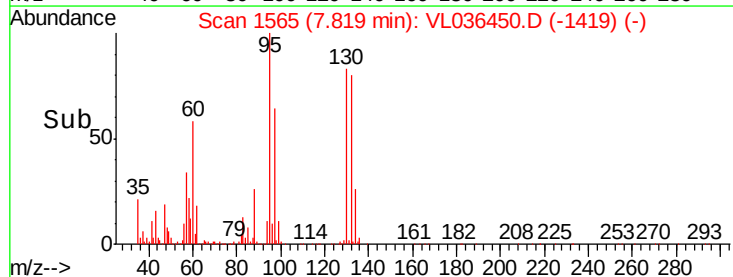
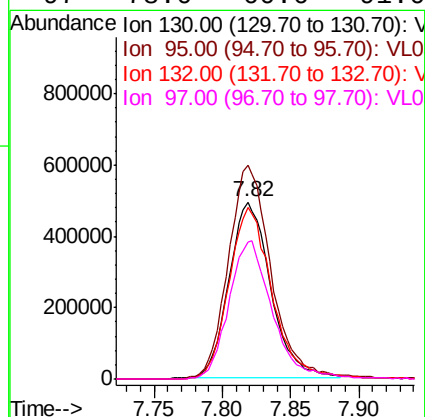
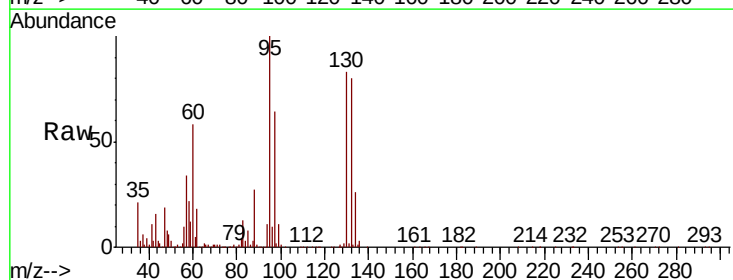
Instrument :
 MSVOA_L
 ClientSampleId :

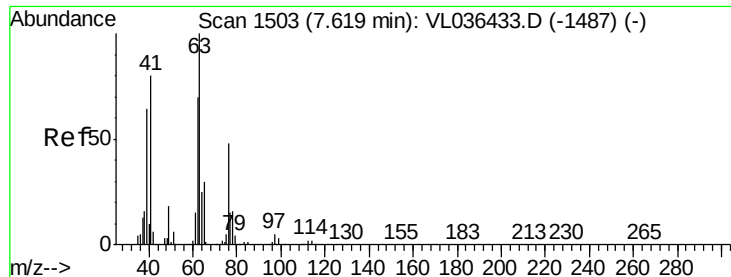
Tot Ion: 62 Resp: 1797553
 Ion Ratio Lower Upper
 62 100
 98 6.0 4.8 7.2



#38
 Trichloroethene
 Concen: 8.902 ppbv
 RT: 7.82 min Scan# 1565
 Delta R.T. -0.03 min
 Lab File: VL036450.D
 Acq: 19 Mar 2021 16:25

Tgt Ion: 130 Resp: 1043536
 Ion Ratio Lower Upper
 130 100
 95 120.5 93.8 140.8
 132 97.3 74.6 112.0
 97 78.0 60.6 91.0





#39

1,2-Dichloropropane

Concen: 8.996 ppbv

RT: 7.60 min Scan# 1497

Delta R.T. -0.02 min

Lab File: VL036450.D

Acq: 19 Mar 2021 16:25

Instrument :

MSVOA_L

ClientSampleId :

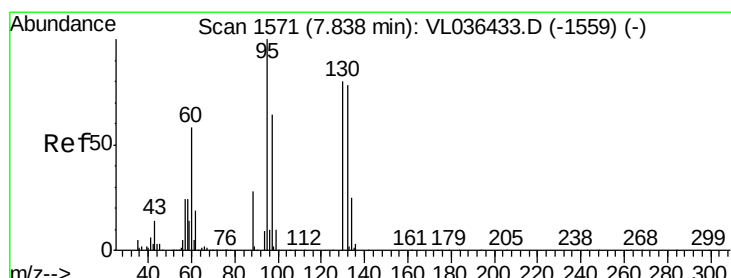
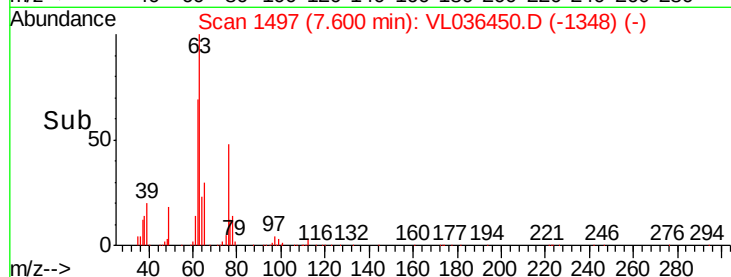
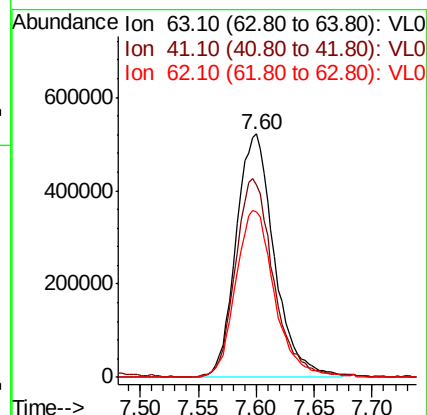
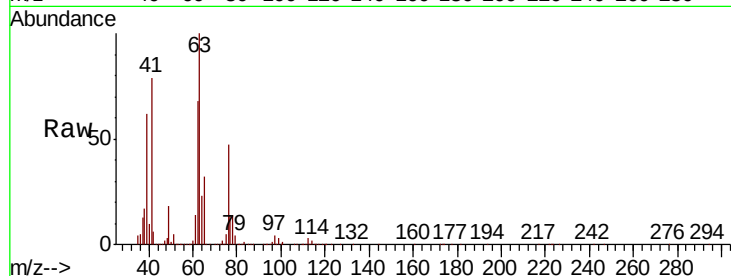
Tot Ion: 63 Resp: 1186630

Ion Ratio Lower Upper

63 100

41 78.9 64.4 96.6

62 68.2 55.7 83.5



#40

1,4-Dioxane

Concen: 8.709 ppbv

RT: 7.82 min Scan# 1565

Delta R.T. -0.02 min

Lab File: VL036450.D

Acq: 19 Mar 2021 16:25

Tgt Ion: 88 Resp: 377067

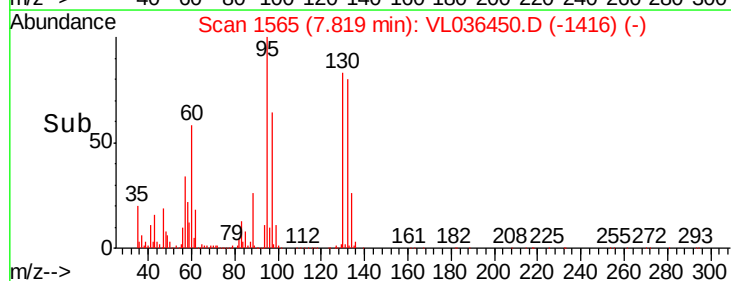
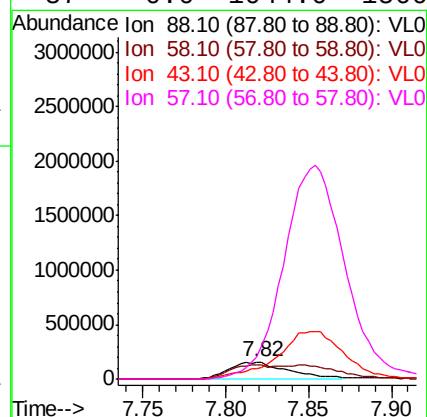
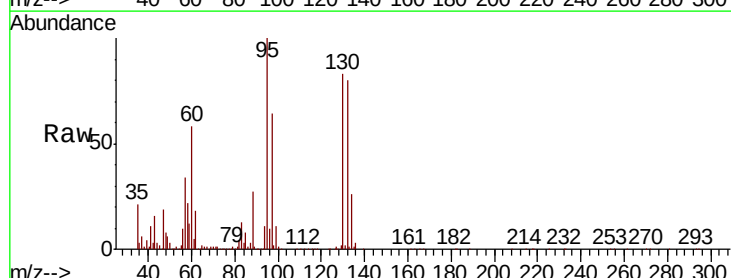
Ion Ratio Lower Upper

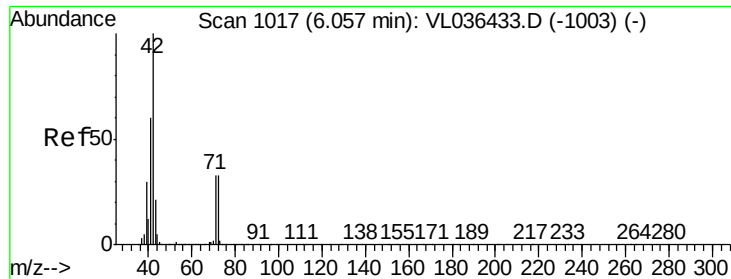
88 100

58 151.3 119.6 179.4

43 0.0 254.2 381.4#

57 0.0 1044.0 1566.0#

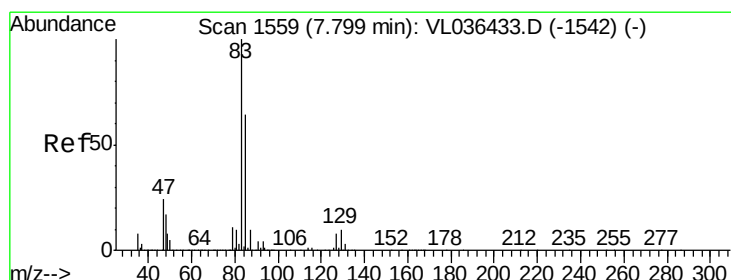
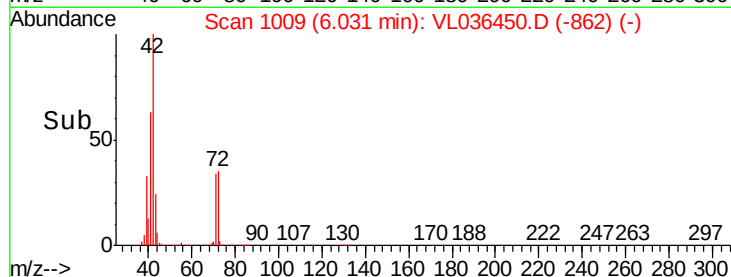
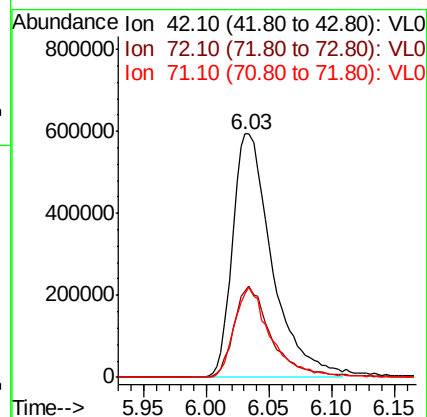
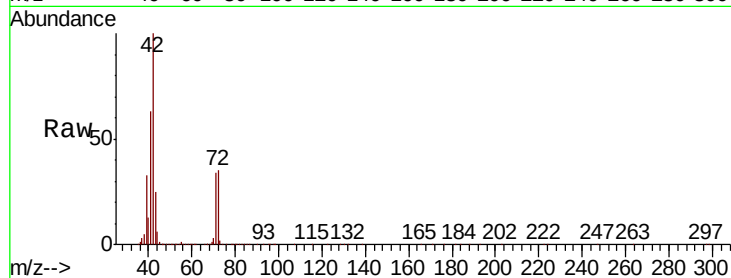




#41
Tetrahydrofuran
Concen: 9.650 ppbv
RT: 6.03 min Scan# 1009
Delta R.T. -0.03 min
Lab File: VL036450.D
Acq: 19 Mar 2021 16:25

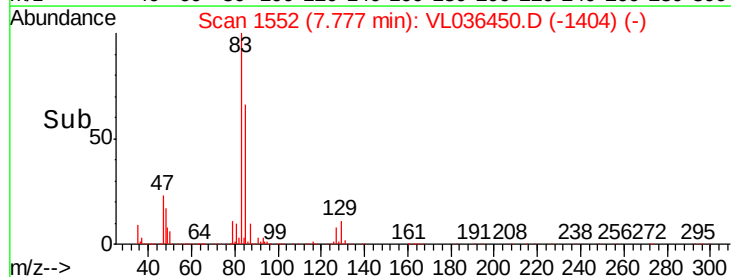
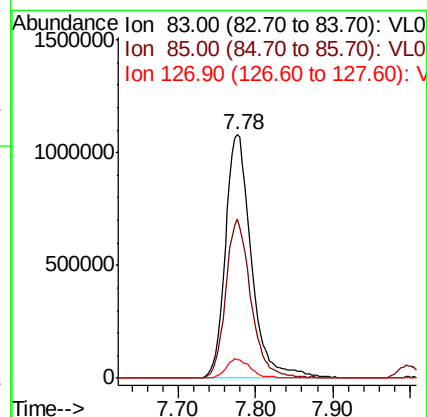
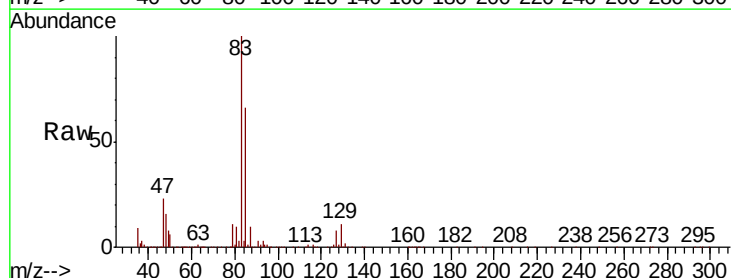
Instrument :
MSVOA_L
ClientSampleId :

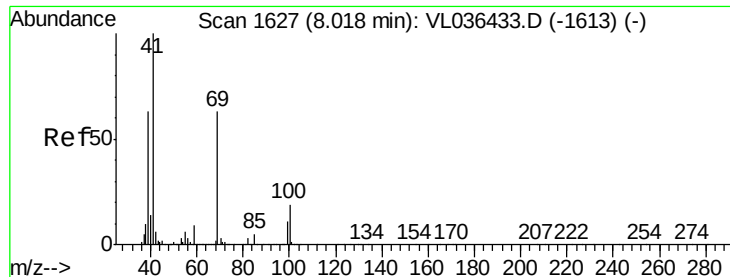
Tot Ion: 42 Resp: 1296840
Ion Ratio Lower Upper
42 100
72 36.0 28.1 42.1
71 34.8 27.6 41.4



#42
Bromodichloromethane
Concen: 9.590 ppbv
RT: 7.78 min Scan# 1552
Delta R.T. -0.02 min
Lab File: VL036450.D
Acq: 19 Mar 2021 16:25

Tgt Ion: 83 Resp: 2526026
Ion Ratio Lower Upper
83 100
85 65.5 51.2 76.8
127 7.6 6.0 9.0





#43

Methyl Methacrylate

Concen: 10.423 ppbv

RT: 8.00 min Scan# 1621

Delta R.T. -0.02 min

Lab File: VL036450.D

Acq: 19 Mar 2021 16:25

Instrument :

MSVOA_L

ClientSampleId :

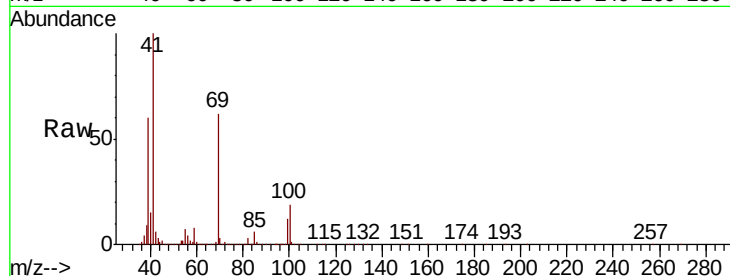
Tot Ion: 69 Resp: 1309371

Ion Ratio Lower Upper

69 100

41 157.4 127.6 191.4

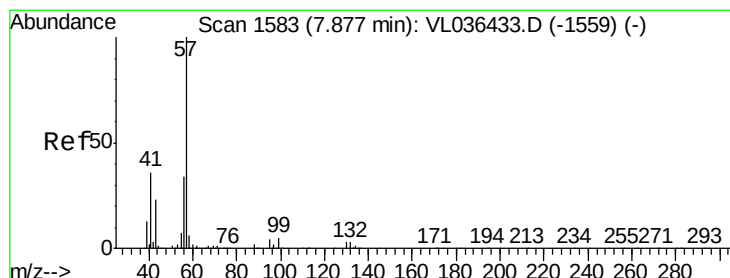
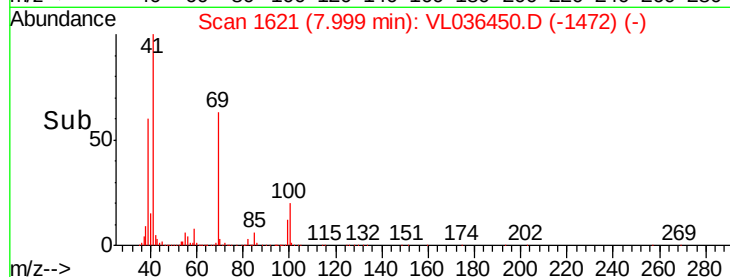
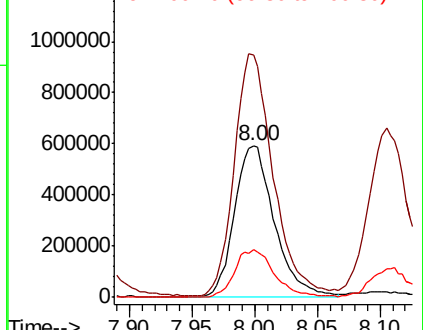
100 31.3 24.6 37.0



Abundance Ion 69.10 (68.80 to 69.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 100.10 (99.80 to 100.80): VL0



#44

2,2,4-Trimethylpentane

Concen: 9.016 ppbv

RT: 7.85 min Scan# 1576

Delta R.T. -0.02 min

Lab File: VL036450.D

Acq: 19 Mar 2021 16:25

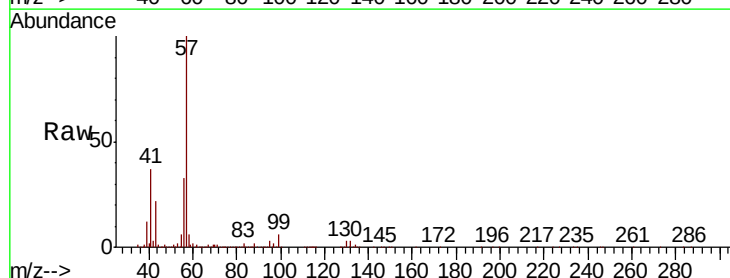
Tgt Ion: 57 Resp: 5099513

Ion Ratio Lower Upper

57 100

41 35.9 28.2 42.2

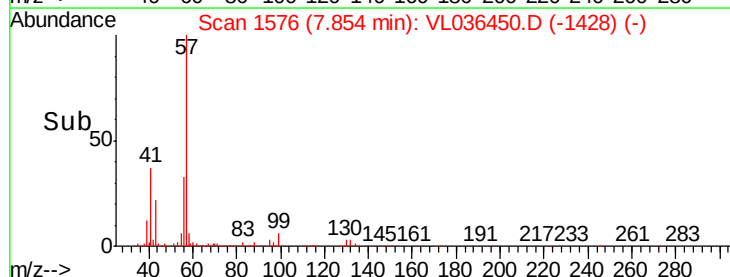
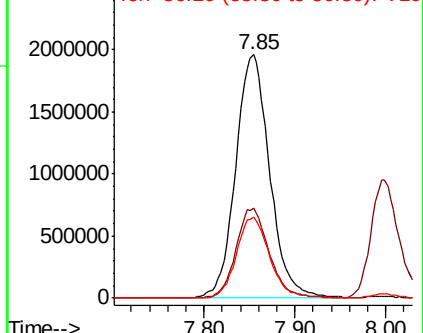
56 32.4 25.9 38.9

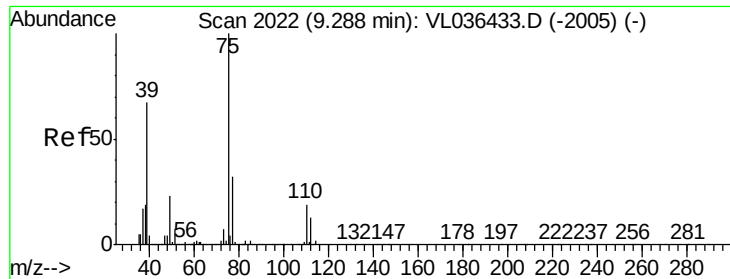


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0

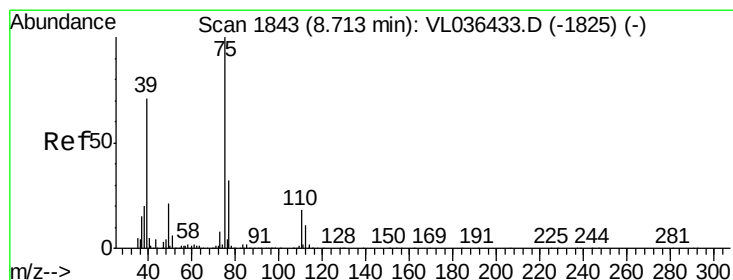
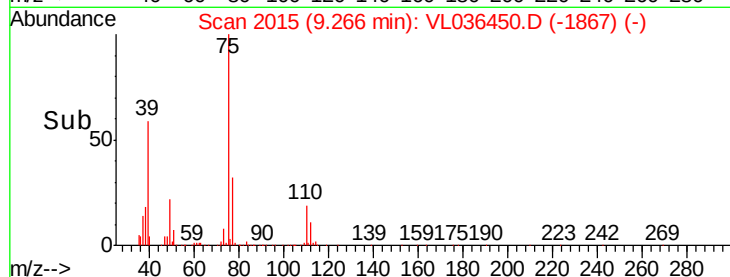
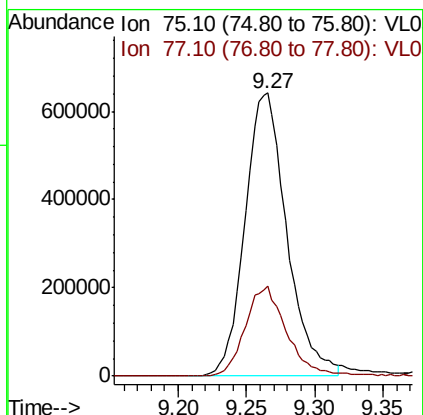
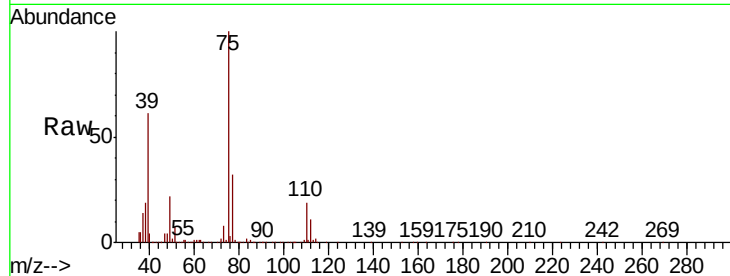




#45
t-1,3-Dichloropropene
Concen: 11.157 ppbv
RT: 9.27 min Scan# 2015
Delta R.T. -0.02 min
Lab File: VL036450.D
Acq: 19 Mar 2021 16:25

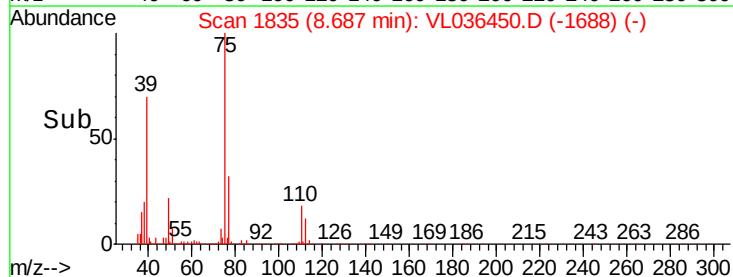
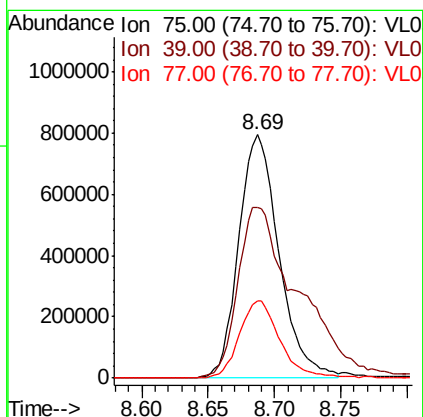
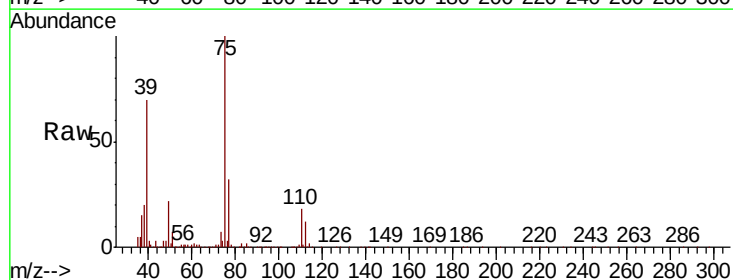
Instrument :
MSVOA_L
ClientSampleId :

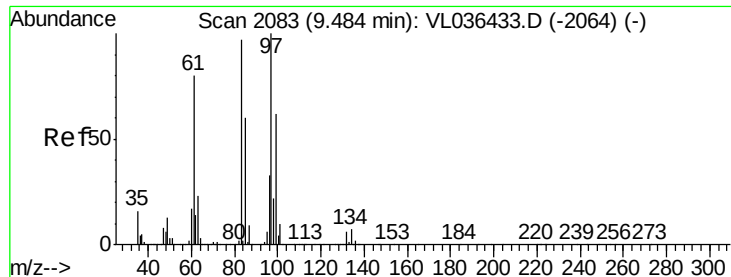
Tot Ion: 75 Resp: 1364100
Ion Ratio Lower Upper
75 100
77 31.6 25.4 38.2



#46
cis-1,3-Dichloropropene
Concen: 10.517 ppbv
RT: 8.69 min Scan# 1835
Delta R.T. -0.03 min
Lab File: VL036450.D
Acq: 19 Mar 2021 16:25

Tgt Ion: 75 Resp: 1678720
Ion Ratio Lower Upper
75 100
39 70.1 57.1 85.7
77 31.8 25.3 37.9



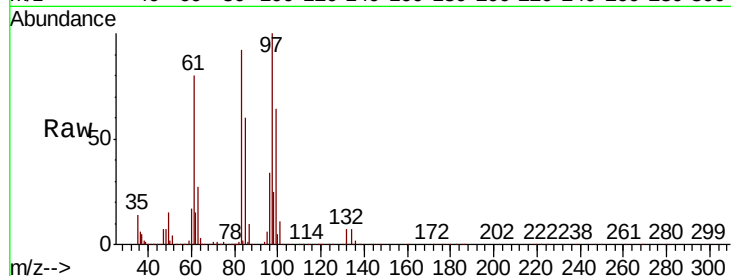


#47
 1,1,2-Trichloroethane
 Concen: 8.976 ppbv
 RT: 9.46 min Scan# 2075
 Delta R.T. -0.03 min
 Lab File: VL036450.D
 Acq: 19 Mar 2021 16:25

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 97 Resp: 1180262

Ion	Ratio	Lower	Upper
97	100		
83	91.6	77.8	116.8
85	59.8	47.6	71.4
99	64.2	49.6	74.4



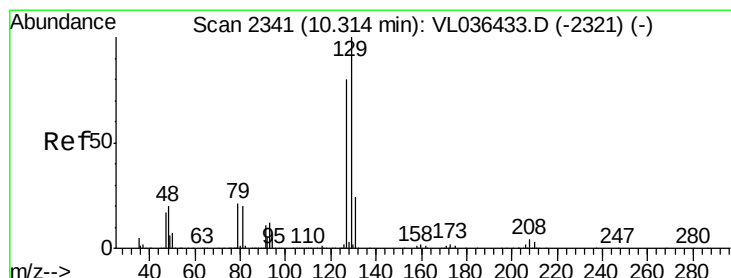
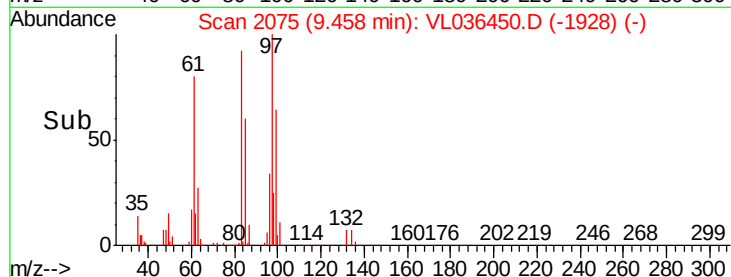
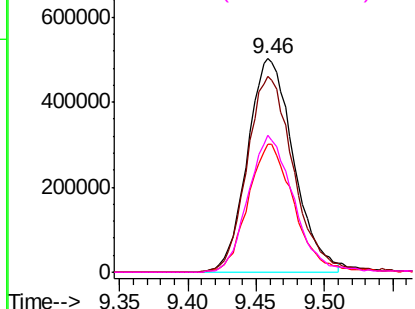
Abundance

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

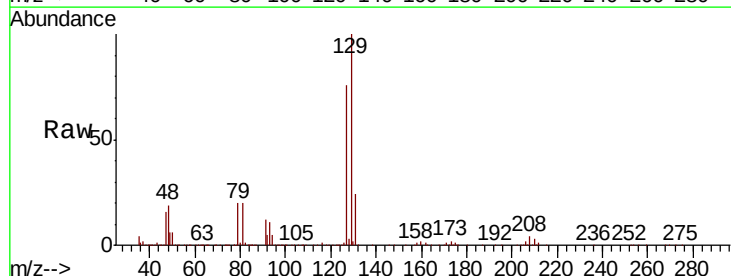
Ion 99.00 (98.70 to 99.70): VL0



#48
 Dibromochloromethane
 Concen: 9.823 ppbv
 RT: 10.29 min Scan# 2333
 Delta R.T. -0.03 min
 Lab File: VL036450.D
 Acq: 19 Mar 2021 16:25

Tgt Ion: 129 Resp: 1955838

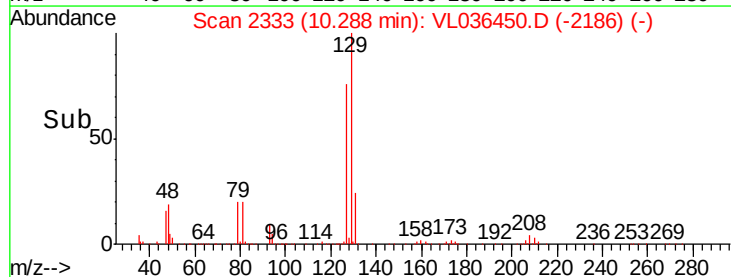
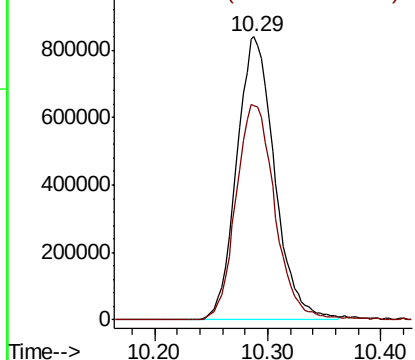
Ion	Ratio	Lower	Upper
129	100		
127	78.8	39.4	118.1

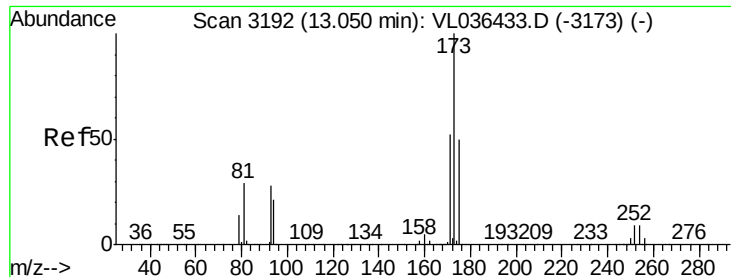


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 9.528 ppbv

RT: 13.03 min Scan# 3185

Delta R.T. -0.02 min

Lab File: VL036450.D

Acq: 19 Mar 2021 16:25

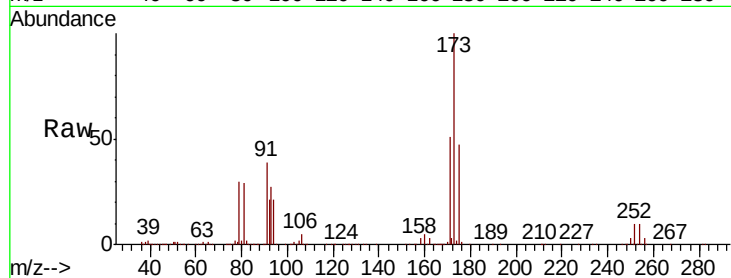
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:173 Resp: 1551968

Ion	Ratio	Lower	Upper
173	100		
175	50.7	40.7	61.1
171	53.6	43.0	64.4

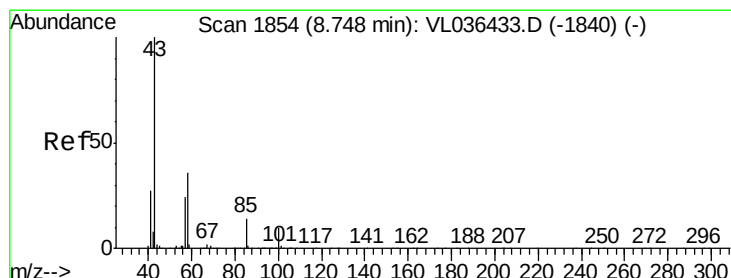
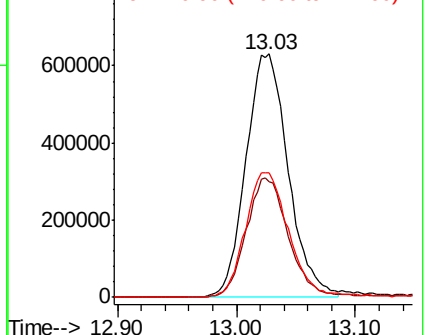
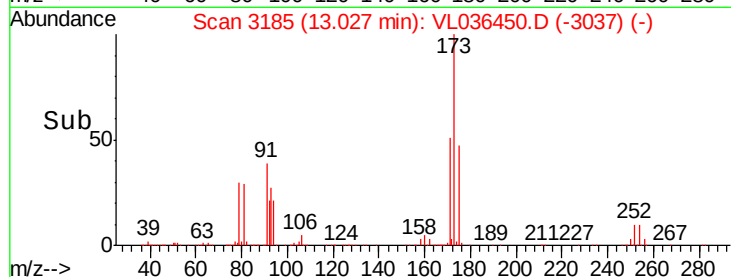


Abundance

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: 9.687 ppbv

RT: 8.73 min Scan# 1848

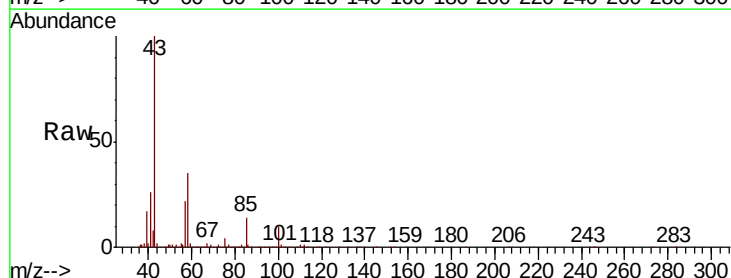
Delta R.T. -0.02 min

Lab File: VL036450.D

Acq: 19 Mar 2021 16:25

Tgt Ion: 43 Resp: 3398144

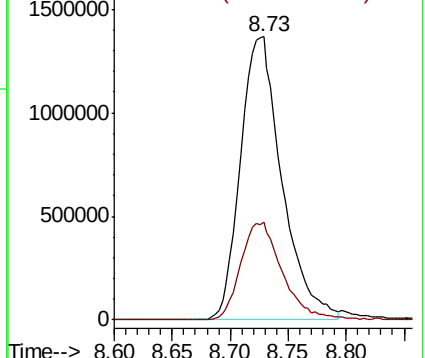
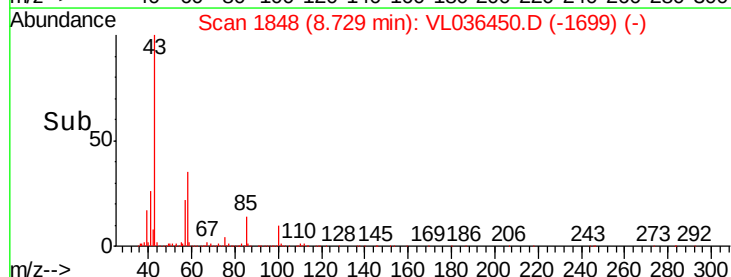
Ion	Ratio	Lower	Upper
43	100		
58	34.8	27.8	41.8

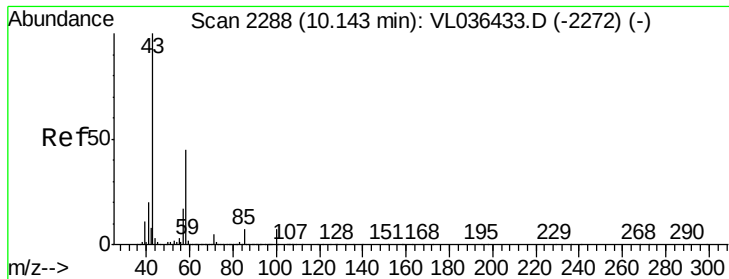


Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 10.449 ppbv

RT: 10.12 min Scan# 2280

Delta R.T. -0.03 min

Lab File: VL036450.D

Acq: 19 Mar 2021 16:25

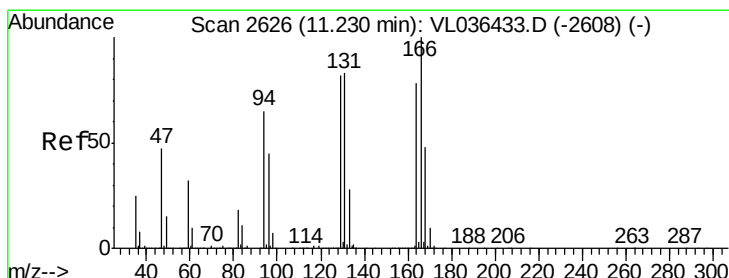
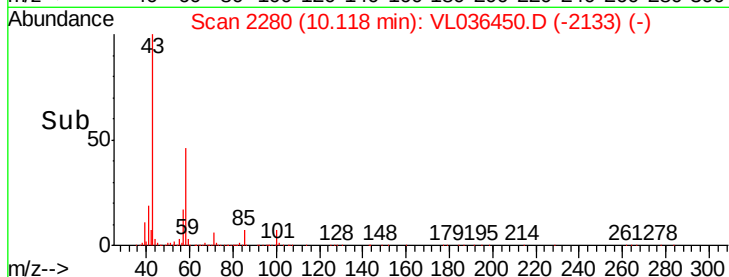
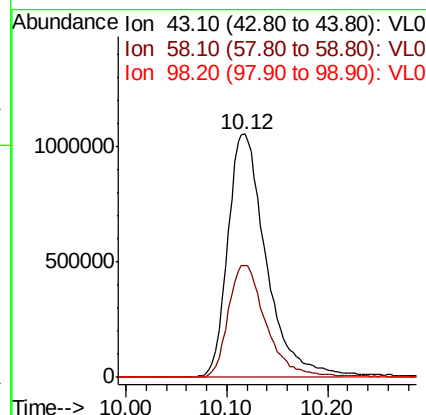
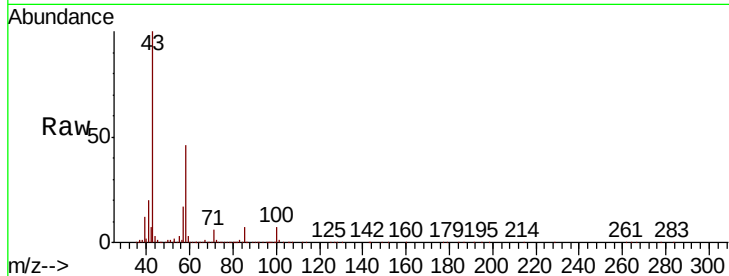
Instrument :

MSVOA_L

ClientSampled :

Tot Ion: 43 Resp: 2770987

Ion	Ratio	Lower	Upper
43	100		
58	46.3	37.8	56.8
98	0.5	0.2	0.4#



#52

Tetrachloroethene

Concen: 8.525 ppbv

RT: 11.21 min Scan# 2619

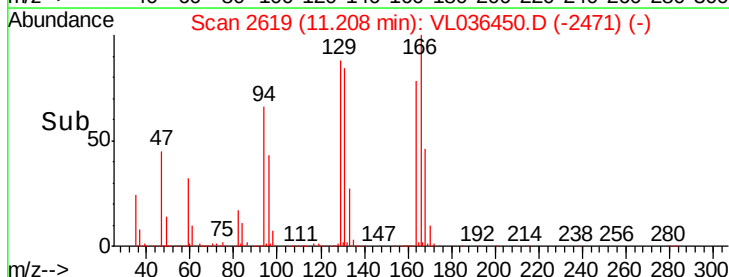
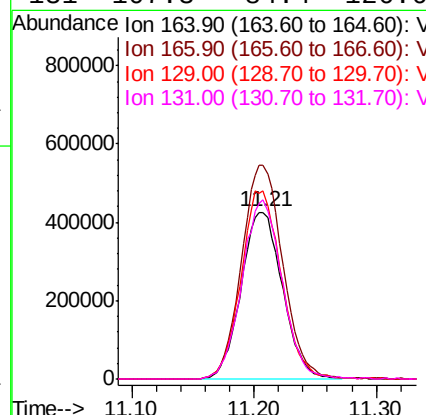
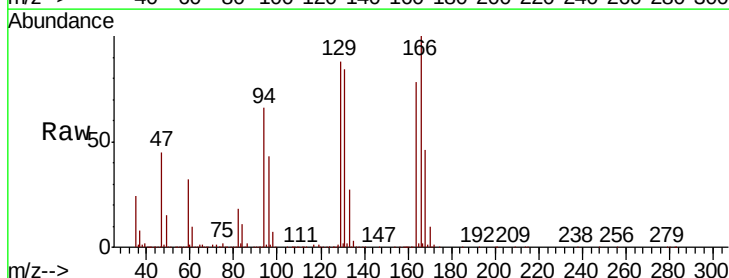
Delta R.T. -0.02 min

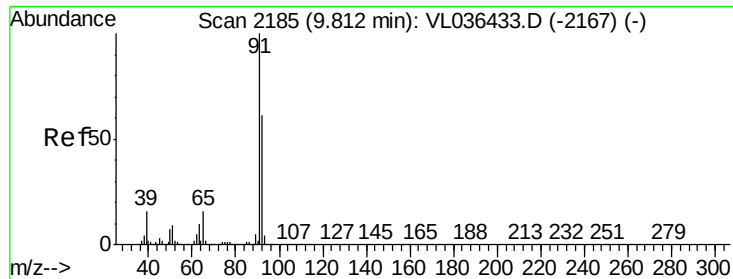
Lab File: VL036450.D

Acq: 19 Mar 2021 16:25

Tgt Ion: 164 Resp: 991655

Ion	Ratio	Lower	Upper
164	100		
166	128.2	102.0	153.0
129	112.6	83.3	124.9
131	107.3	84.4	126.6





#53

Toluene

Concen: 9.957 ppbv

RT: 9.79 min Scan# 2178

Delta R.T. -0.02 min

Lab File: VL036450.D

Acq: 19 Mar 2021 16:25

Instrument :

MSVOA_L

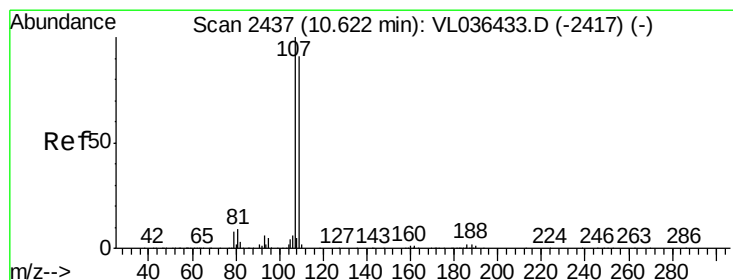
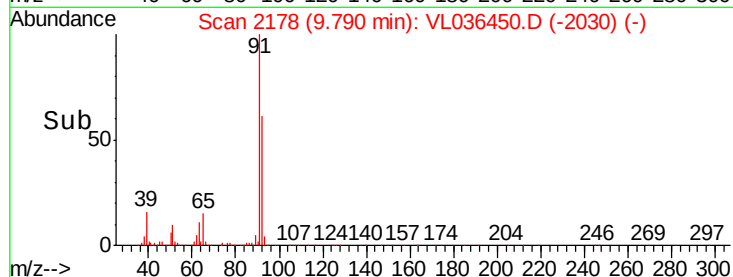
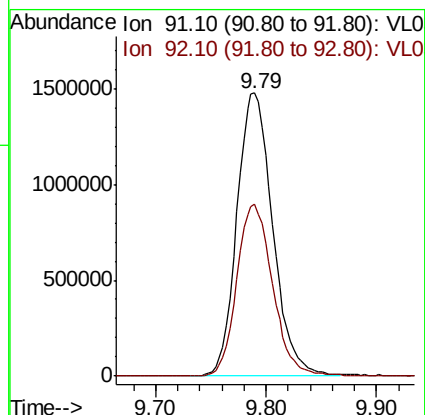
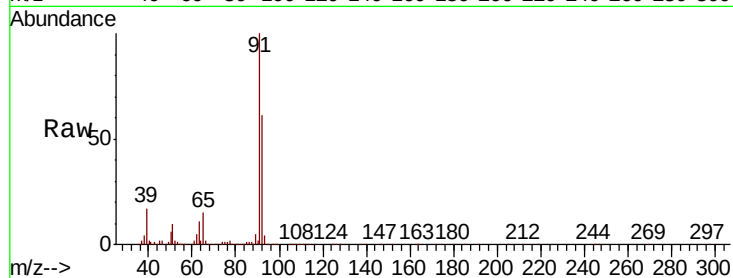
ClientSampleId :

Tot Ion: 91 Resp: 3326238

Ion Ratio Lower Upper

91 100

92 61.0 49.0 73.6



#54

1,2-Dibromoethane

Concen: 9.138 ppbv

RT: 10.59 min Scan# 2428

Delta R.T. -0.03 min

Lab File: VL036450.D

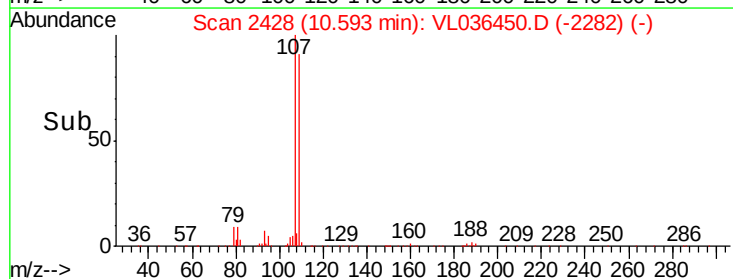
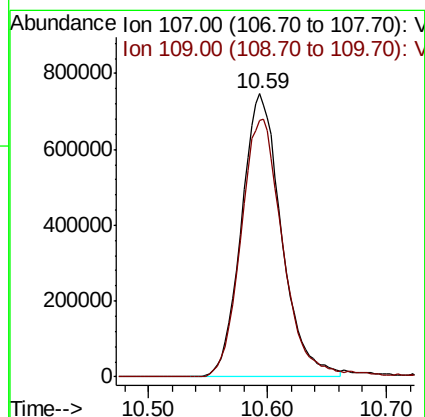
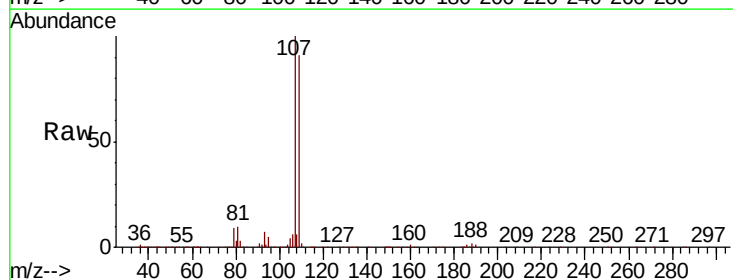
Acq: 19 Mar 2021 16:25

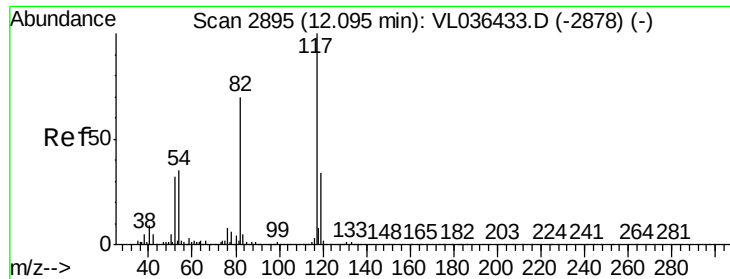
Tgt Ion: 107 Resp: 1734557

Ion Ratio Lower Upper

107 100

109 90.8 73.0 109.6





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.07 min Scan# 2887

Delta R.T. -0.03 min

Lab File: VL036450.D

Acq: 19 Mar 2021 16:25

Instrument :

MSVOA_L

ClientSampleId :

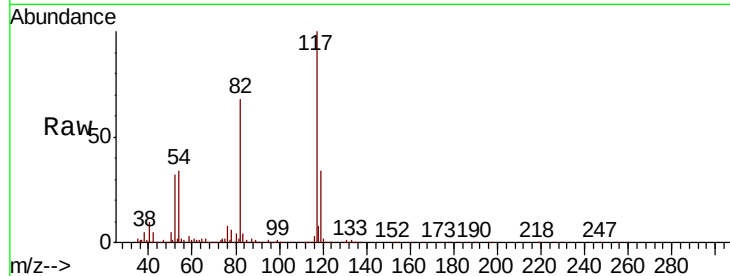
Tot Ion:117 Resp: 4583926

Ion Ratio Lower Upper

117 100

82 57.7 56.5 84.7

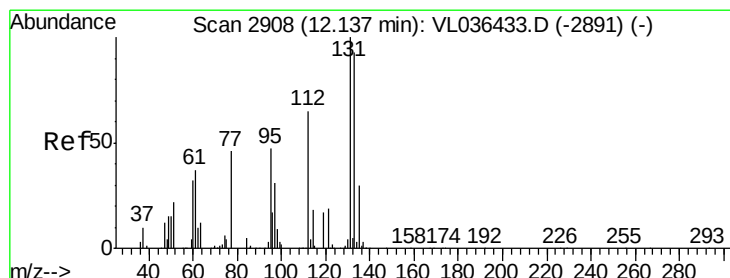
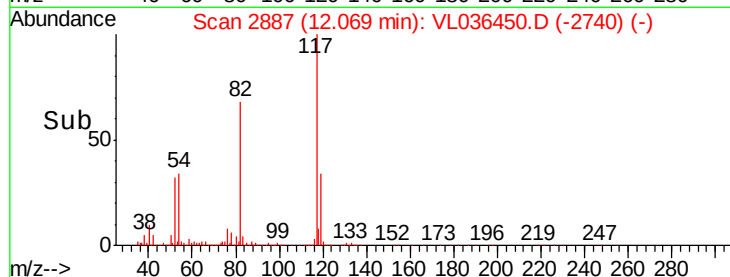
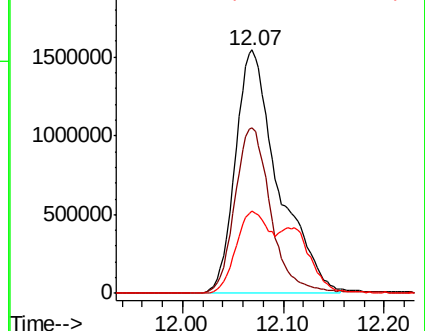
119 46.9 27.0 40.4#



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 7.290 ppbv

RT: 12.11 min Scan# 2899

Delta R.T. -0.03 min

Lab File: VL036450.D

Acq: 19 Mar 2021 16:25

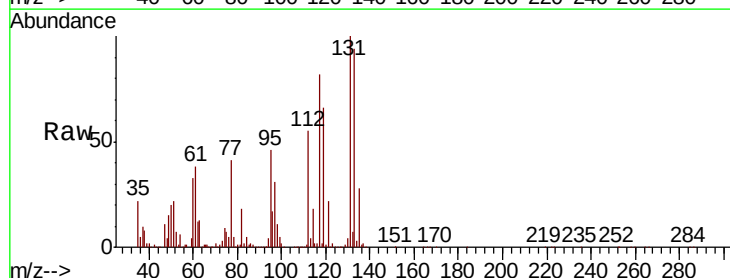
Tgt Ion:131 Resp: 1480829

Ion Ratio Lower Upper

131 100

133 96.0 76.4 114.6

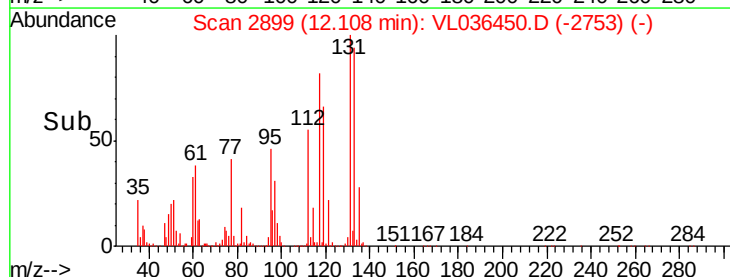
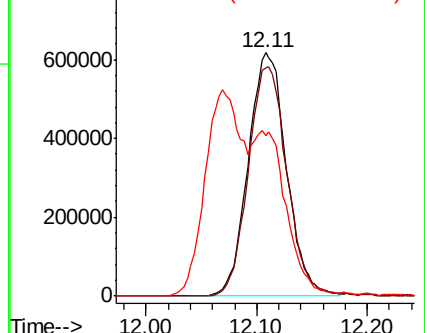
119 145.2 112.8 169.2

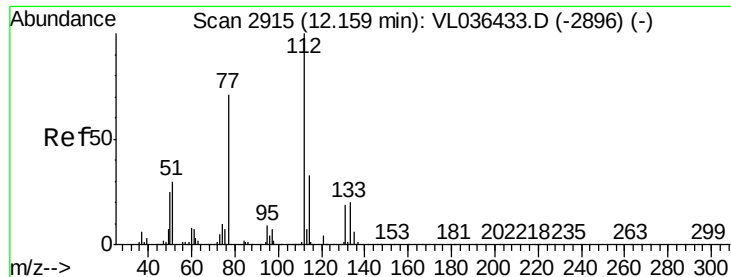


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 7.157 ppbv

RT: 12.13 min Scan# 2905

Delta R.T. -0.03 min

Lab File: VL036450.D

Acq: 19 Mar 2021 16:25

Instrument :

MSVOA_L

ClientSampleId :

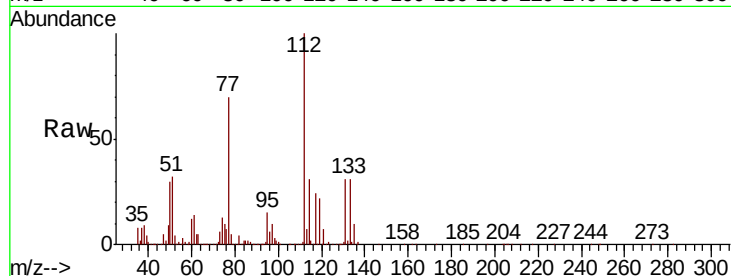
Tot Ion:112 Resp: 2369479

Ion Ratio Lower Upper

112 100

77 68.1 57.6 86.4

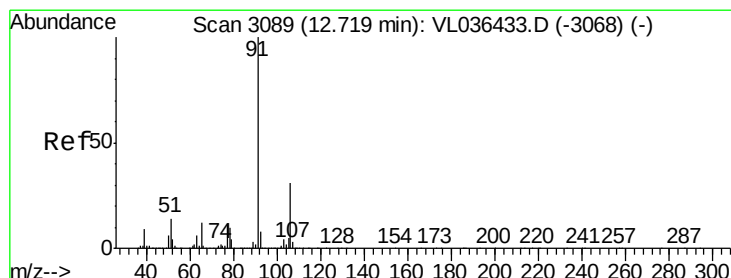
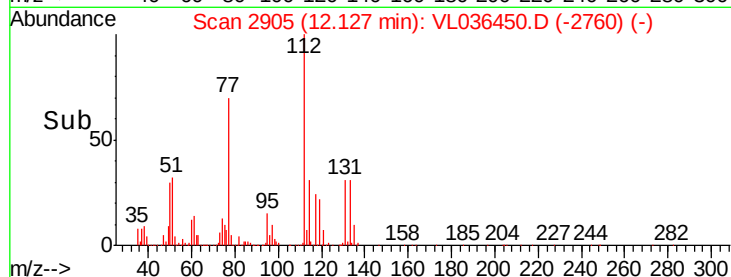
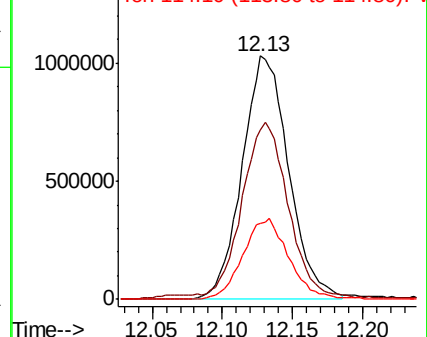
114 31.2 29.5 36.1



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 7.721 ppbv

RT: 12.69 min Scan# 3081

Delta R.T. -0.03 min

Lab File: VL036450.D

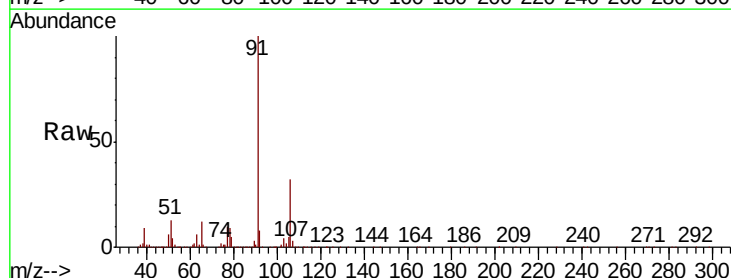
Acq: 19 Mar 2021 16:25

Tgt Ion: 91 Resp: 4397749

Ion Ratio Lower Upper

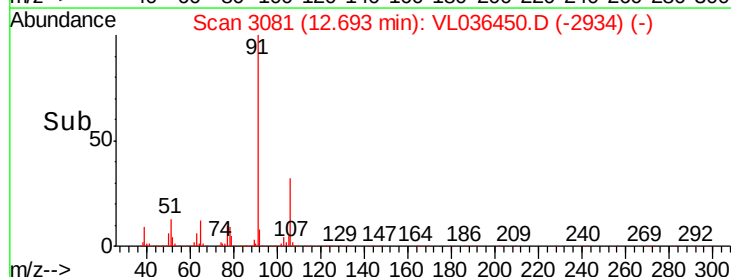
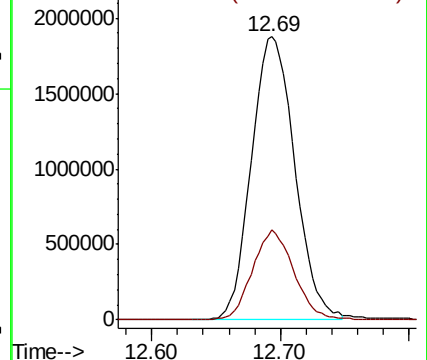
91 100

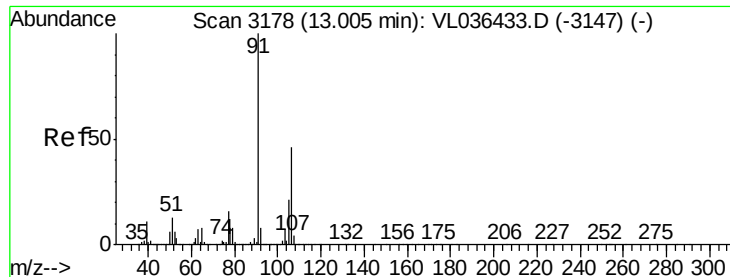
106 31.7 24.8 37.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

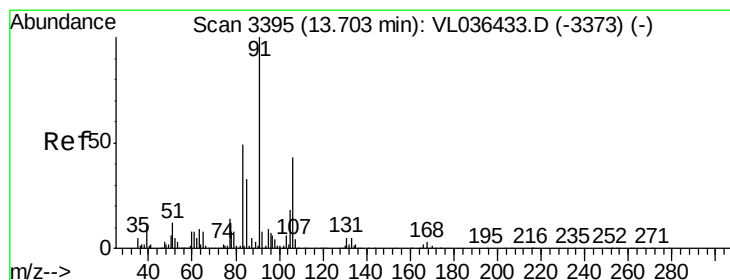
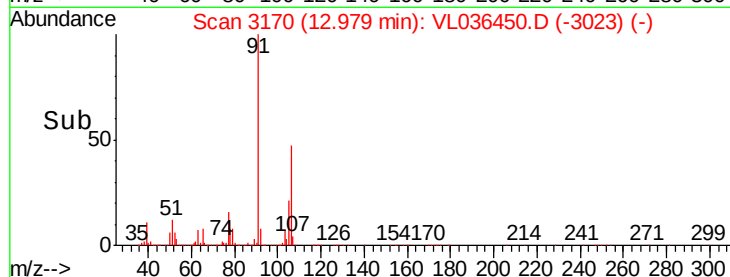
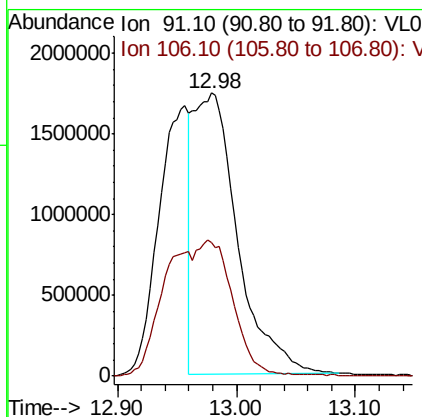
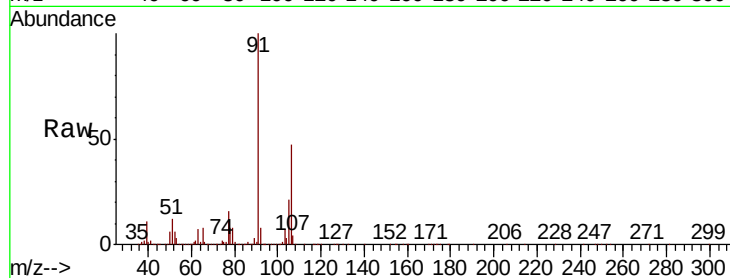




#59
m/p-Xylene
Concen: 8.930 ppbv
RT: 12.98 min Scan# 3170
Delta R.T. -0.03 min
Lab File: VL036450.D
Acq: 19 Mar 2021 16:25

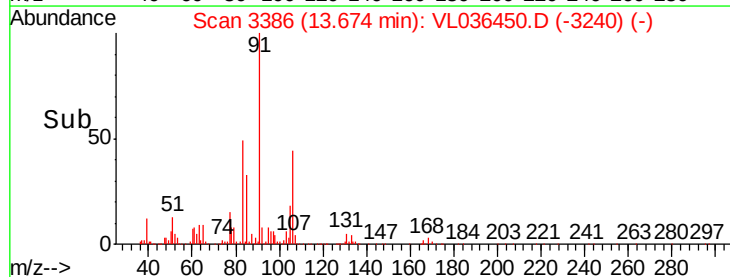
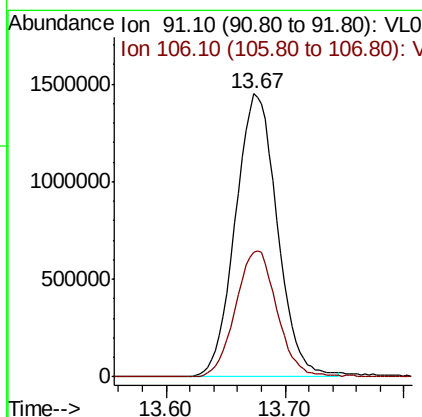
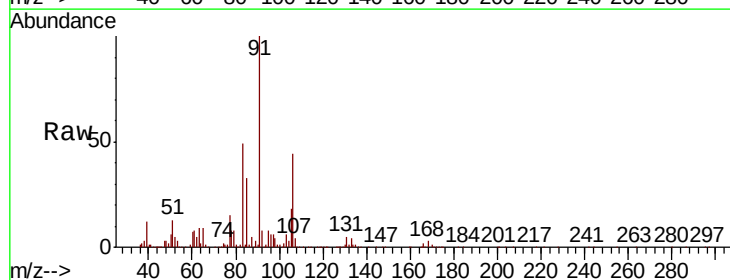
Instrument :
MSVOA_L
ClientSampleId :

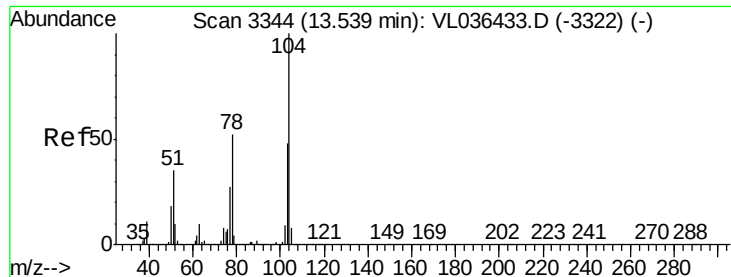
Tot Ion: 91 Resp: 4497098
Ion Ratio Lower Upper
91 100
106 73.6 35.0 52.4#



#60
o-Xylene
Concen: 7.283 ppbv
RT: 13.67 min Scan# 3386
Delta R.T. -0.03 min
Lab File: VL036450.D
Acq: 19 Mar 2021 16:25

Tgt Ion: 91 Resp: 3523123
Ion Ratio Lower Upper
91 100
106 44.4 21.9 65.8





#61

Stvrene

Concen: 8.373 ppbv

RT: 13.51 min Scan# 3336

Delta R.T. -0.03 min

Lab File: VL036450.D

Acq: 19 Mar 2021 16:25

Instrument :

MSVOA_L

ClientSampled :

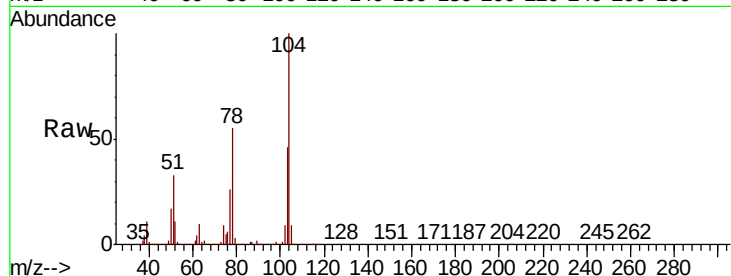
Tot Ion:104 Resp: 2463256

Ion Ratio Lower Upper

104 100

78 56.2 44.2 66.4

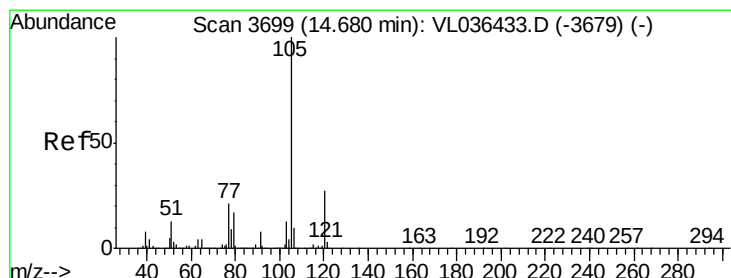
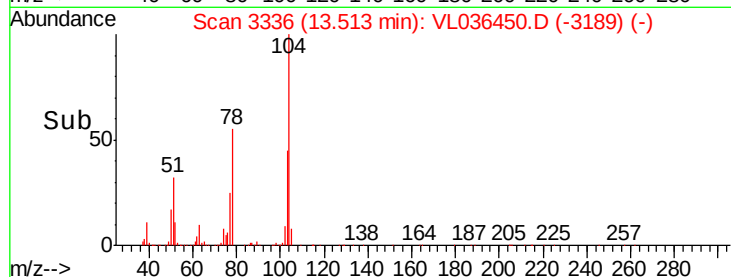
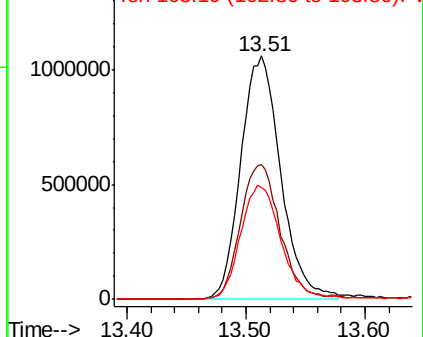
103 48.1 38.6 57.8



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 7.145 ppbv

RT: 14.65 min Scan# 3690

Delta R.T. -0.03 min

Lab File: VL036450.D

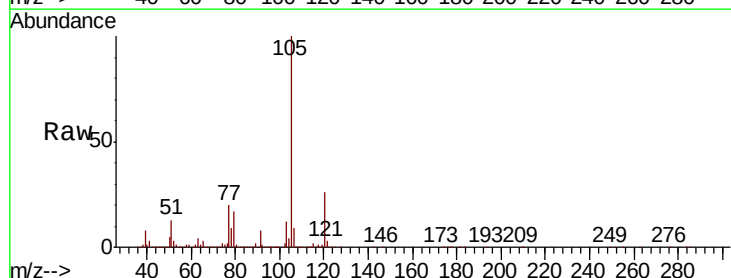
Acq: 19 Mar 2021 16:25

Tgt Ion:105 Resp: 5211370

Ion Ratio Lower Upper

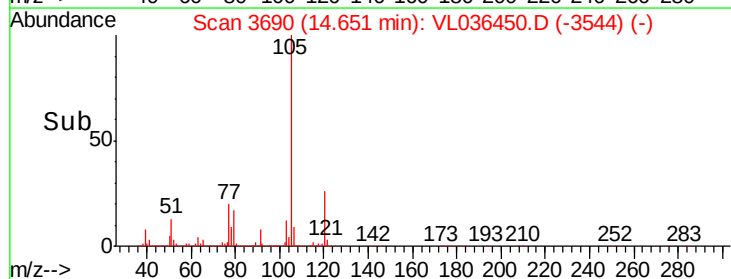
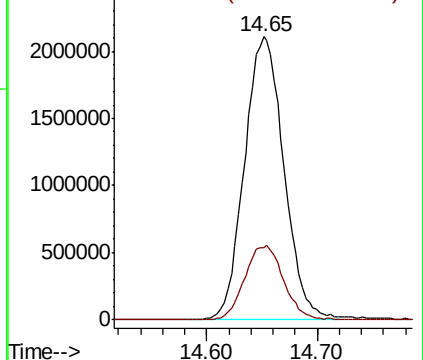
105 100

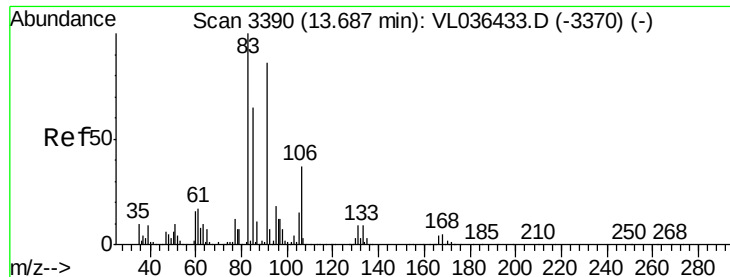
120 26.2 20.9 31.3



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#63

1,1,2,2-Tetrachloroethane

Concen: 6.284 ppbv

RT: 13.66 min Scan# 3382

Delta R.T. -0.03 min

Lab File: VL036450.D

Acq: 19 Mar 2021 16:25

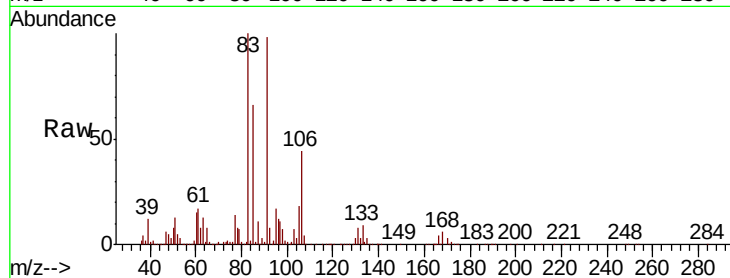
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 83 Resp: 2376589

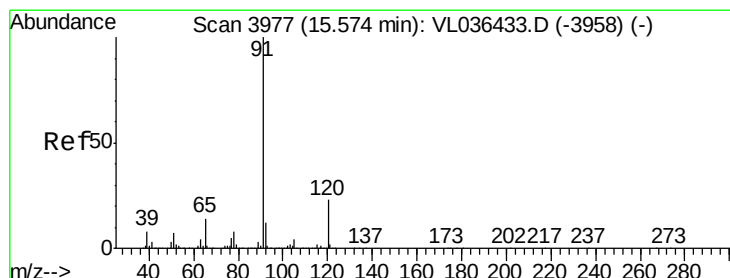
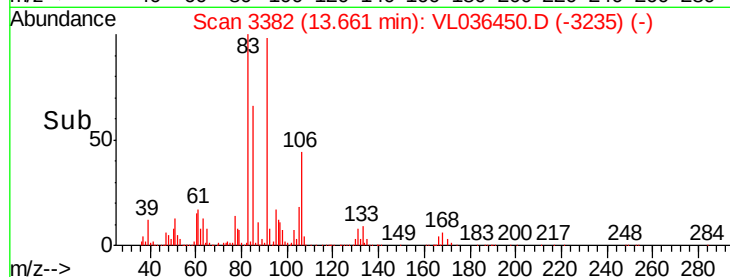
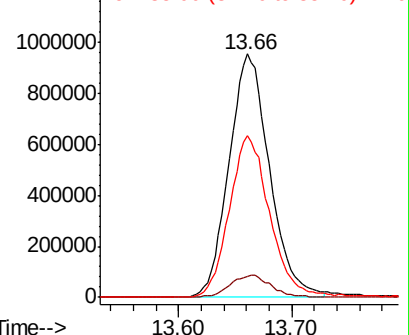
Ion	Ratio	Lower	Upper
83	100		
131	9.3	4.5	13.7
85	66.7	32.9	98.6



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 7.356 ppbv

RT: 15.55 min Scan# 3969

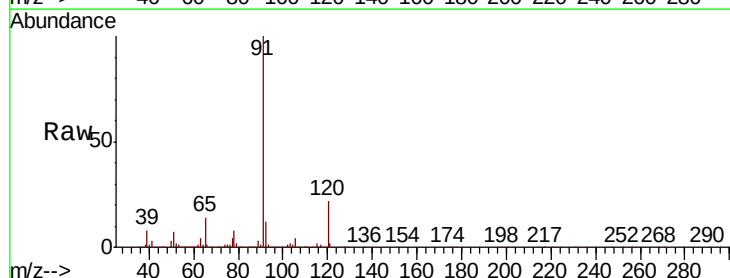
Delta R.T. -0.03 min

Lab File: VL036450.D

Acq: 19 Mar 2021 16:25

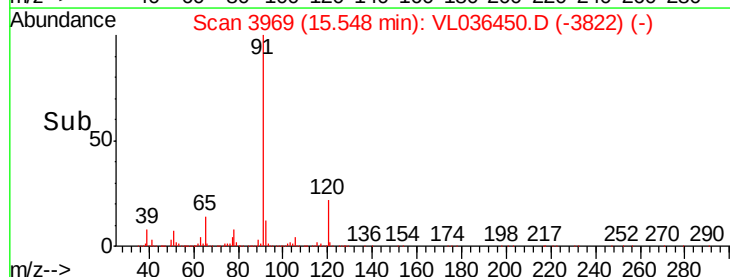
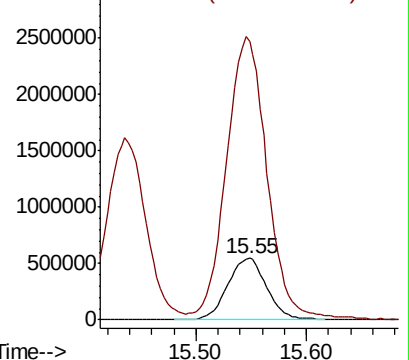
Tgt Ion: 120 Resp: 1340301

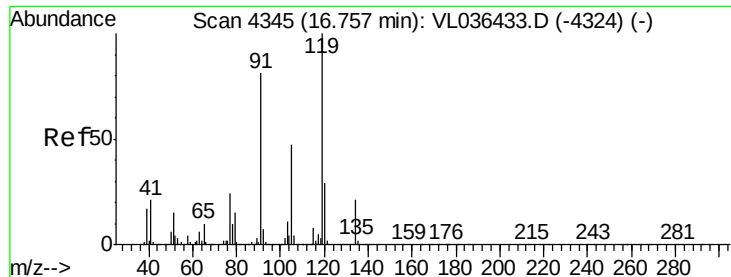
Ion	Ratio	Lower	Upper
120	100		
91	481.4	378.6	567.8



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 6.952 ppbv

RT: 16.73 min Scan# 4336

Delta R.T. -0.03 min

Lab File: VL036450.D

Acq: 19 Mar 2021 16:25

Instrument :

MSVOA_L

ClientSampleId :

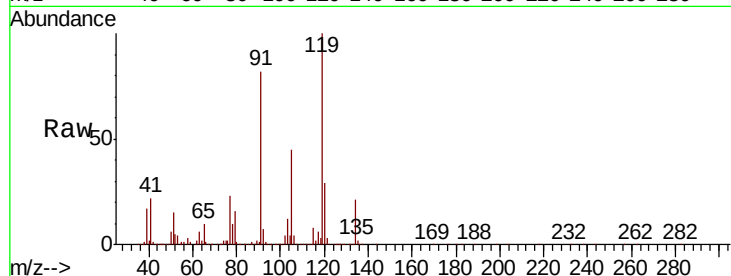
Tot Ion:119 Resp: 4411743

Ion Ratio Lower Upper

119 100

91 85.0 67.9 101.9

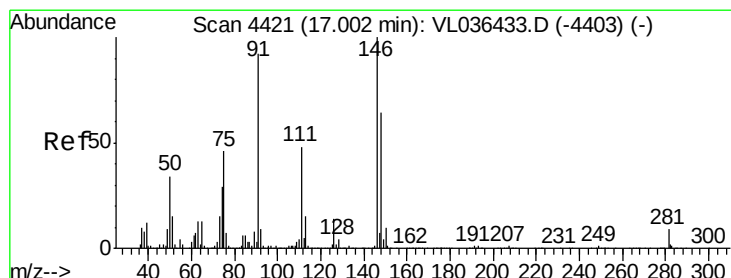
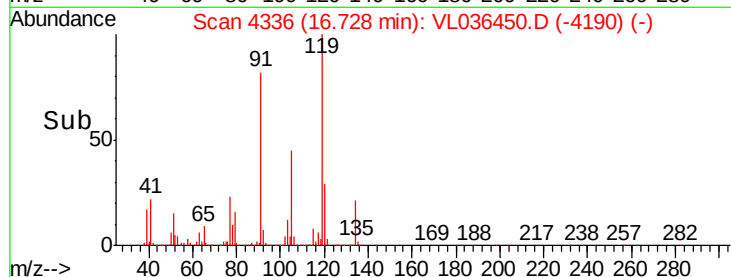
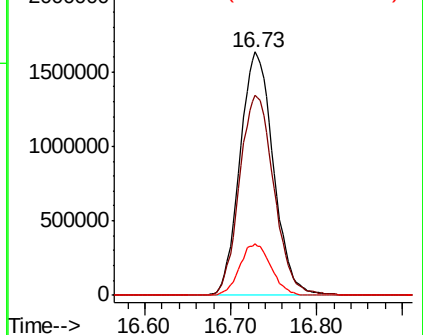
134 20.0 16.0 24.0



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: 8.098 ppbv

RT: 16.97 min Scan# 4412

Delta R.T. -0.03 min

Lab File: VL036450.D

Acq: 19 Mar 2021 16:25

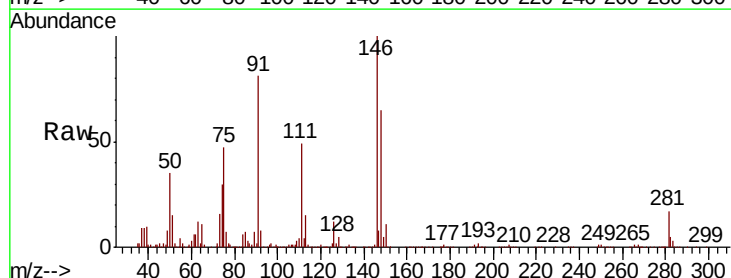
Tgt Ion: 91 Resp: 1434701

Ion Ratio Lower Upper

91 100

126 16.1 12.9 19.3

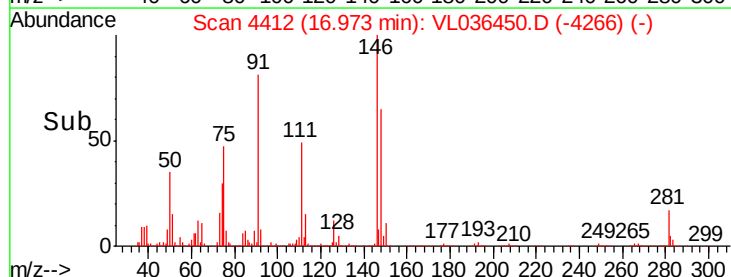
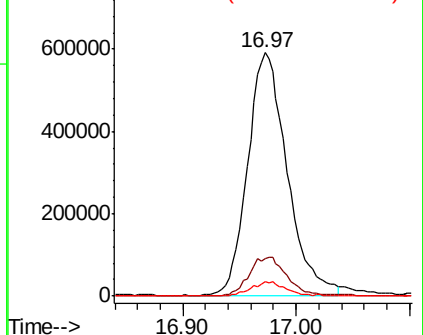
128 5.4 4.0 6.0

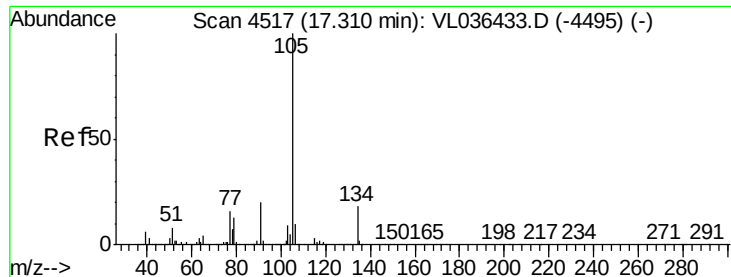


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 7.003 ppbv

RT: 17.28 min Scan# 4507

Delta R.T. -0.03 min

Lab File: VL036450.D

Acq: 19 Mar 2021 16:25

Instrument :

MSVOA_L

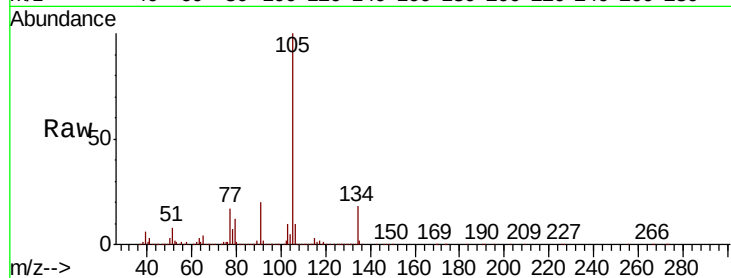
ClientSampled :

Tot Ion:105 Resp: 6206062

Ion Ratio Lower Upper

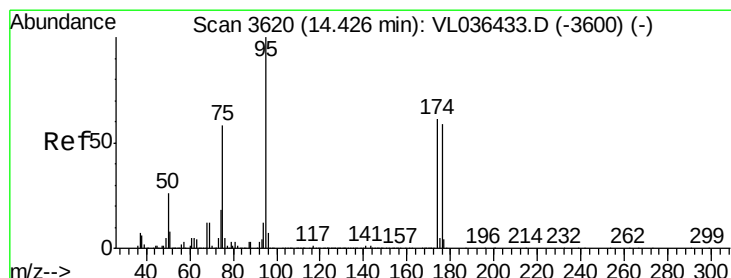
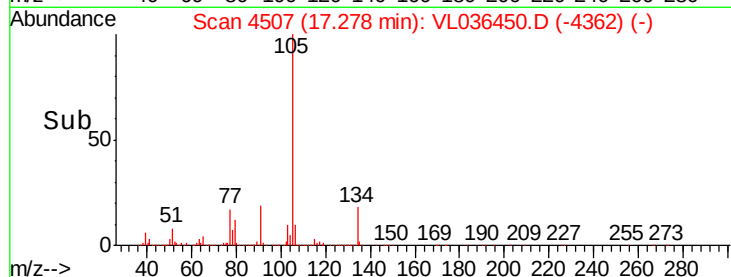
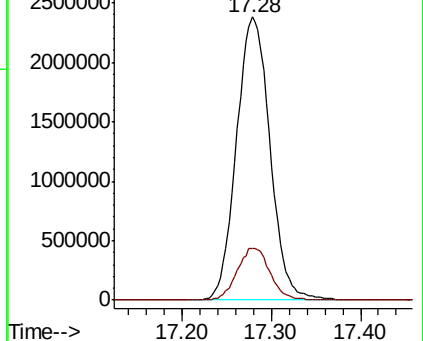
105 100

134 18.1 14.9 22.3



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 8.425 ppbv

RT: 14.40 min Scan# 3612

Delta R.T. -0.03 min

Lab File: VL036450.D

Acq: 19 Mar 2021 16:25

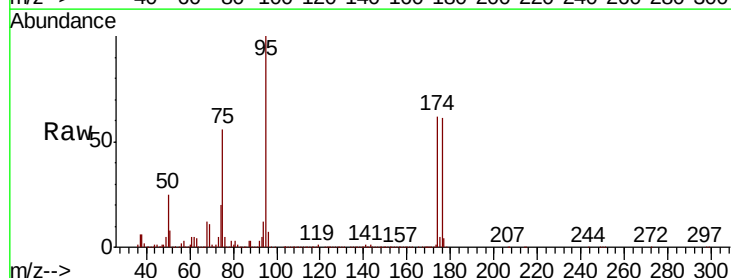
Tgt Ion: 95 Resp: 3175818

Ion Ratio Lower Upper

95 100

174 63.8 51.0 76.4

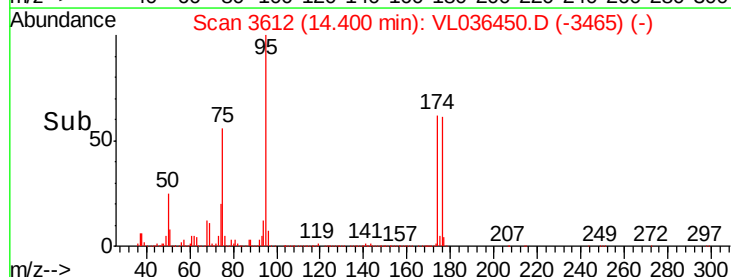
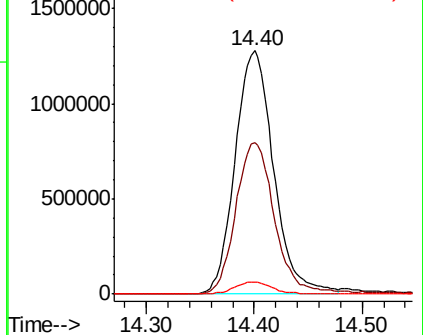
175 4.9 3.8 5.6

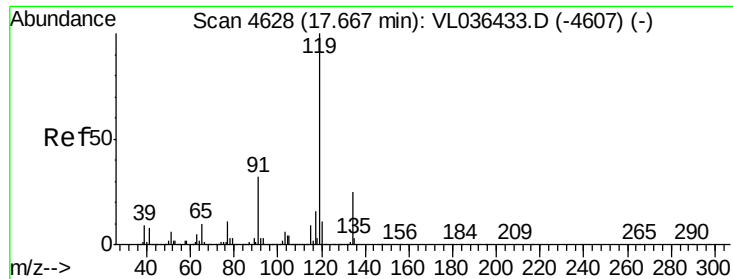


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

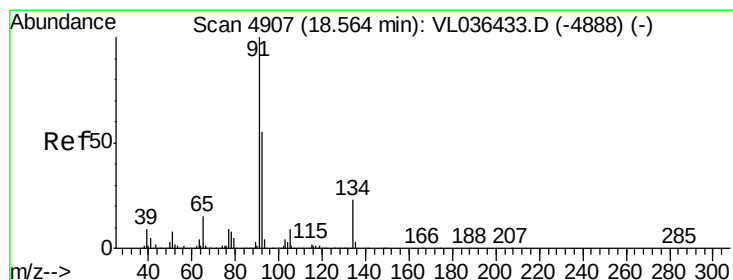
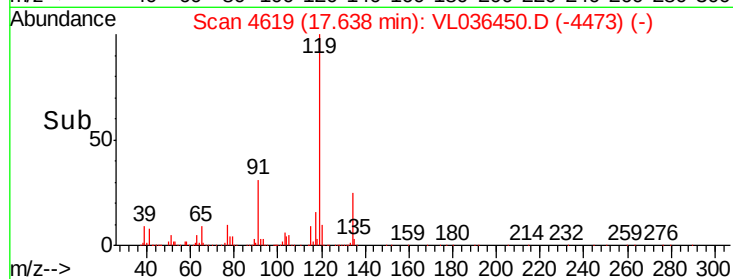
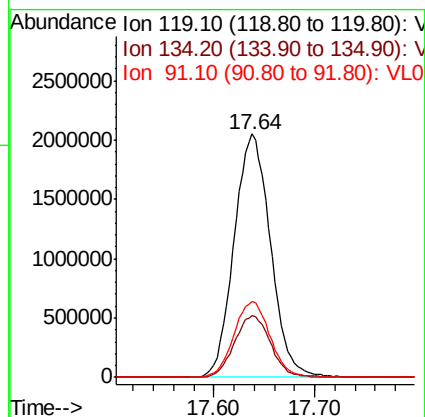
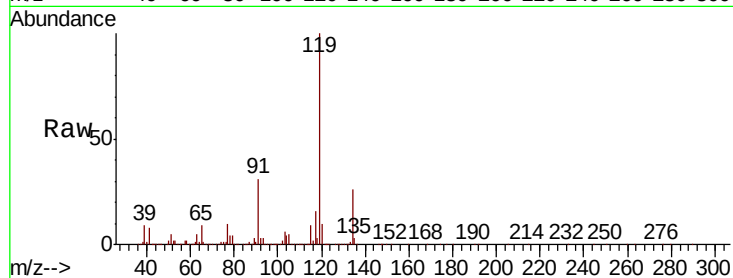




#69
 p-Isopropyltoluene
 Concen: 7.236 ppbv
 RT: 17.64 min Scan# 4619
 Delta R.T. -0.03 min
 Lab File: VL036450.D
 Acq: 19 Mar 2021 16:25

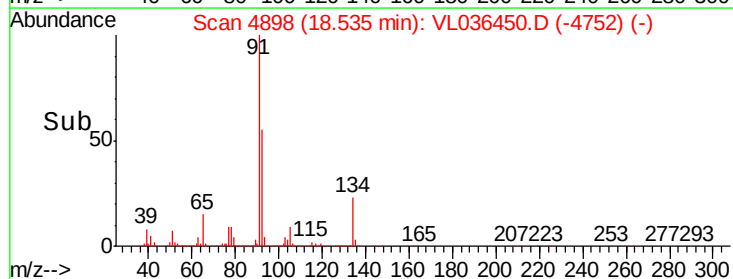
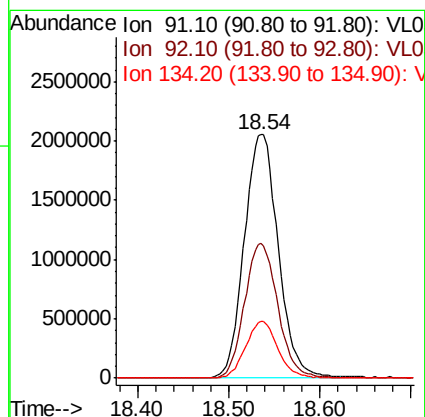
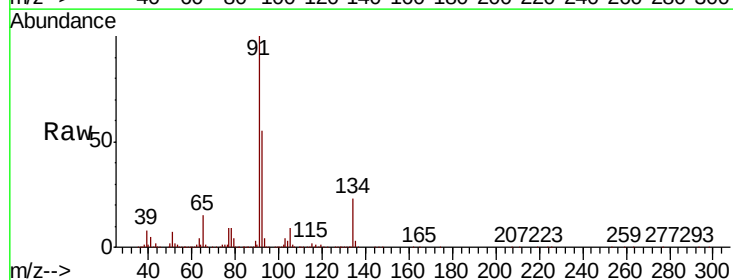
Instrument :
 MSVOA_L
 ClientSampleId :

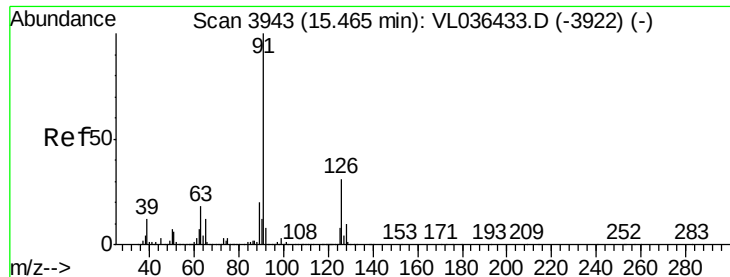
Tot Ion:119 Resp: 5131113
 Ion Ratio Lower Upper
 119 100
 134 25.3 20.6 30.8
 91 31.0 25.3 37.9



#70
 n-Butylbenzene
 Concen: 7.276 ppbv
 RT: 18.54 min Scan# 4898
 Delta R.T. -0.03 min
 Lab File: VL036450.D
 Acq: 19 Mar 2021 16:25

Tgt Ion: 91 Resp: 5332955
 Ion Ratio Lower Upper
 91 100
 92 54.3 44.1 66.1
 134 22.2 17.9 26.9





#71

2-Chlorotoluene

Concen: 7.196 ppbv

RT: 15.44 min Scan# 3934

Delta R.T. -0.03 min

Lab File: VL036450.D

Acq: 19 Mar 2021 16:25

Instrument :

MSVOA_L

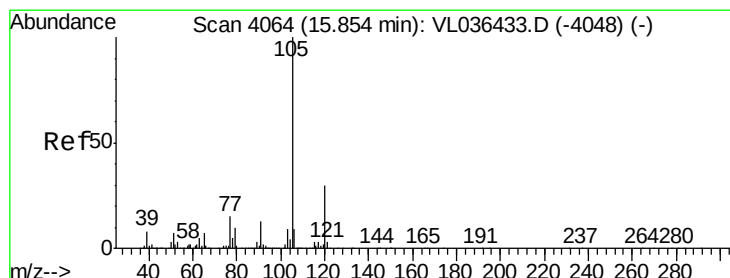
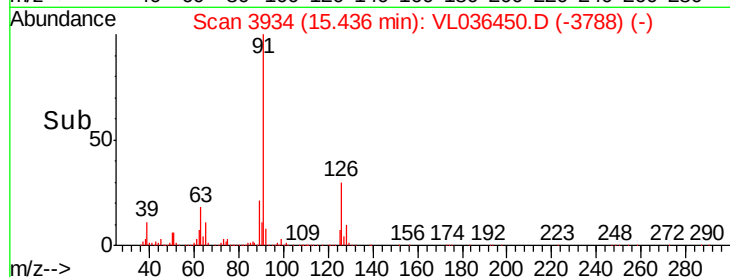
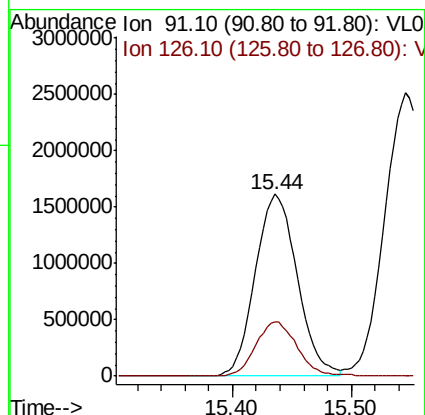
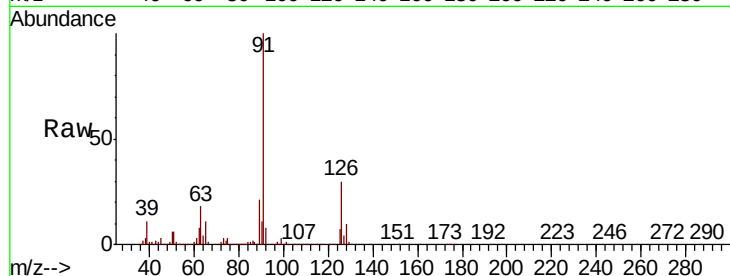
ClientSampleId :

Tot Ion: 91 Resp: 3948580

Ion Ratio Lower Upper

91 100

126 30.2 12.0 48.0



#72

4-Ethyltoluene

Concen: 7.555 ppbv

RT: 15.82 min Scan# 4055

Delta R.T. -0.03 min

Lab File: VL036450.D

Acq: 19 Mar 2021 16:25

Tgt Ion:105 Resp: 3969663

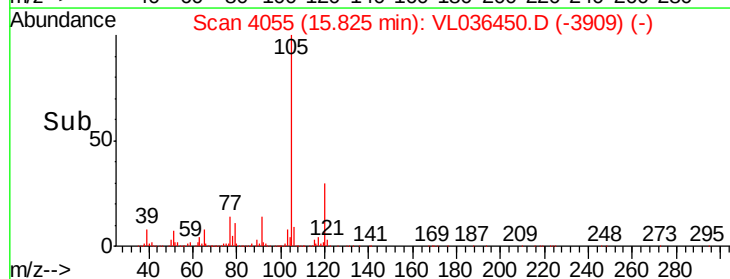
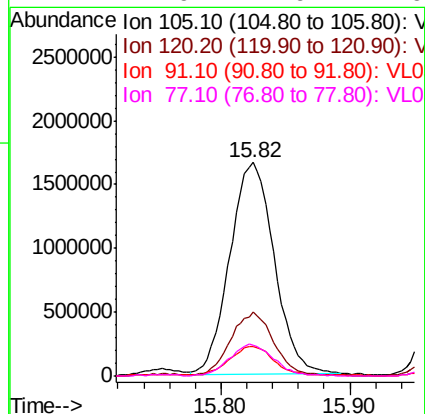
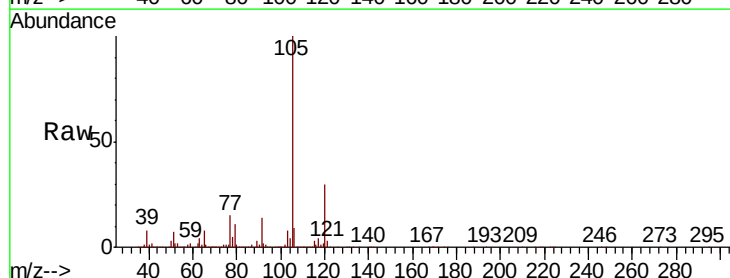
Ion Ratio Lower Upper

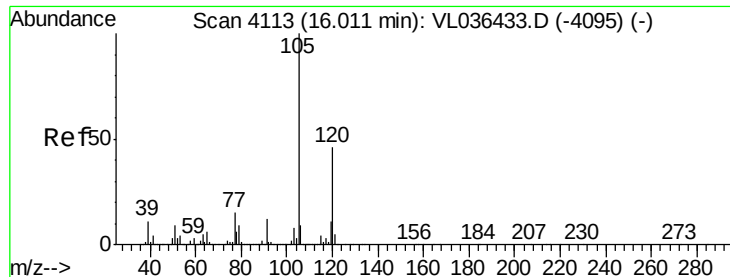
105 100

120 30.5 23.8 35.6

91 13.7 10.9 16.3

77 14.9 11.9 17.9

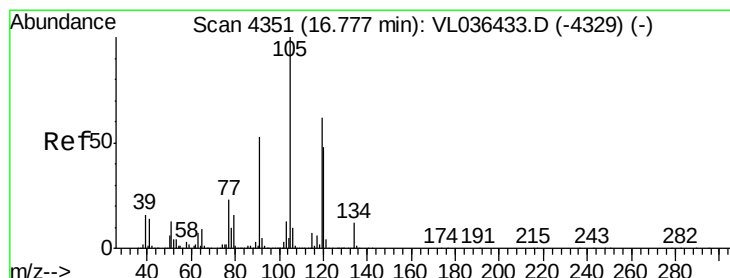
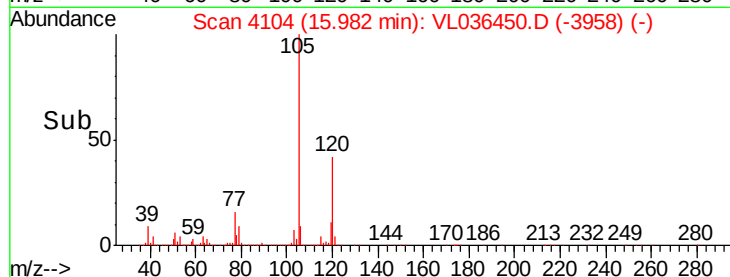
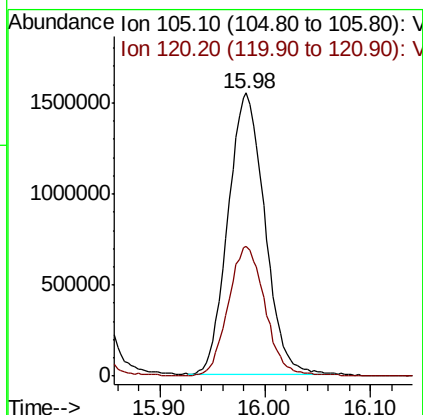
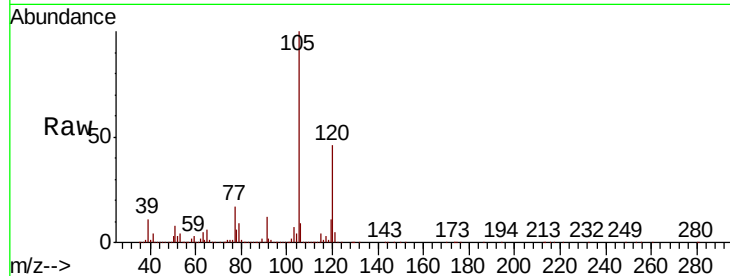




#73
 1,3,5-Trimethylbenzene
 Concen: 7.359 ppbv
 RT: 15.98 min Scan# 4104
 Delta R.T. -0.03 min
 Lab File: VL036450.D
 Acq: 19 Mar 2021 16:25

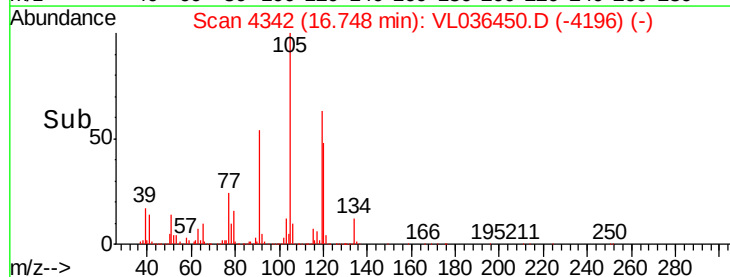
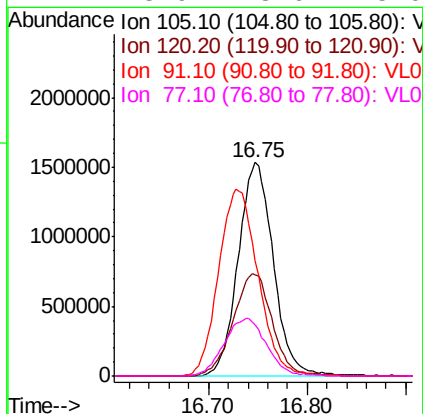
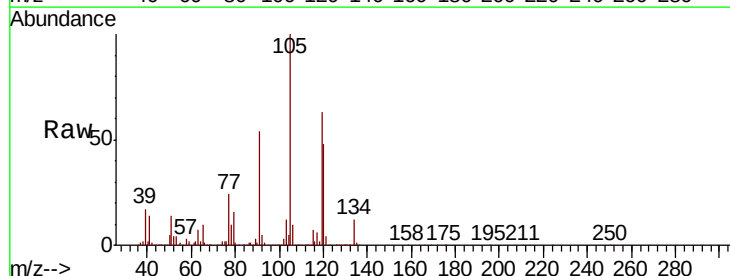
Instrument :
 MSVOA_L
 ClientSampleId :

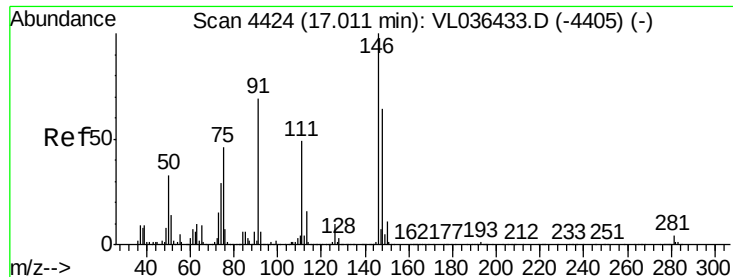
Tot Ion:105 Resp: 3751588
 Ion Ratio Lower Upper
 105 100
 120 45.7 36.4 54.6



#74
 1,2,4-Trimethylbenzene
 Concen: 6.999 ppbv
 RT: 16.75 min Scan# 4342
 Delta R.T. -0.03 min
 Lab File: VL036450.D
 Acq: 19 Mar 2021 16:25

Tgt Ion:105 Resp: 3788168
 Ion Ratio Lower Upper
 105 100
 120 47.4 38.2 57.4
 91 53.3 42.6 63.8
 77 23.9 18.6 28.0

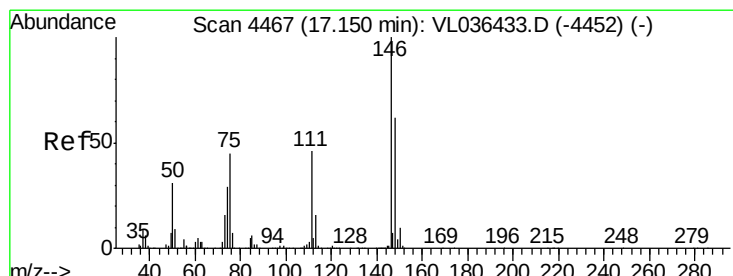
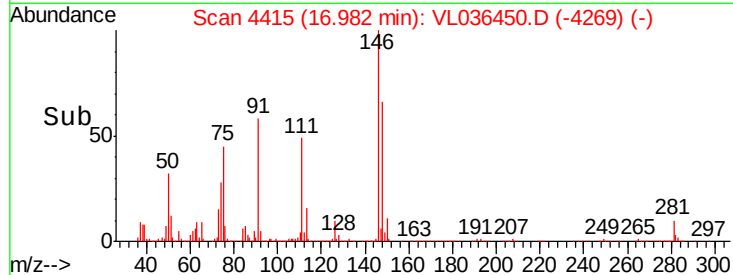
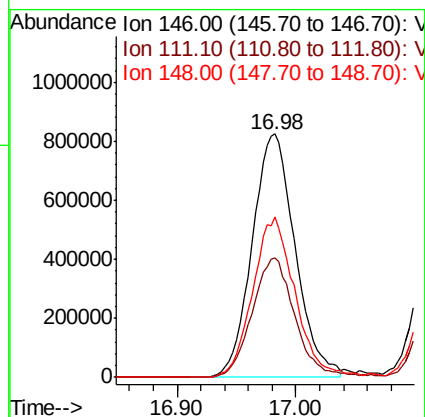
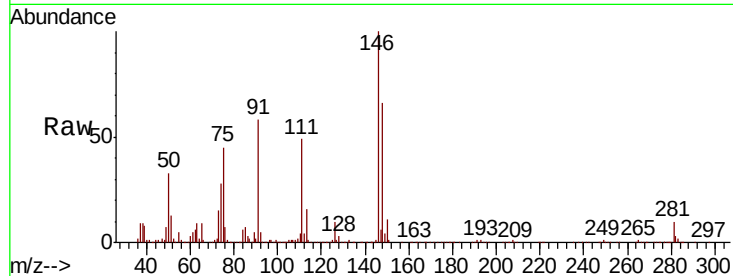




#75
 1,3-Dichlorobenzene
 Concen: 6.860 ppbv
 RT: 16.98 min Scan# 4415
 Delta R.T. -0.03 min
 Lab File: VL036450.D
 Acq: 19 Mar 2021 16:25

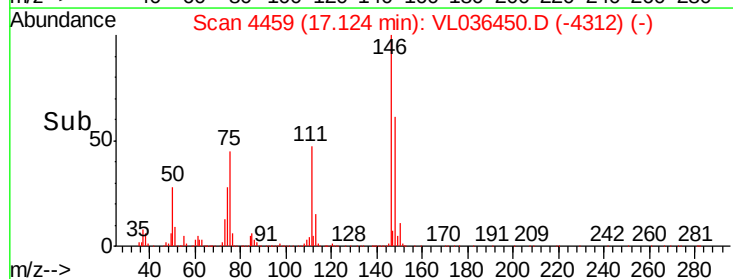
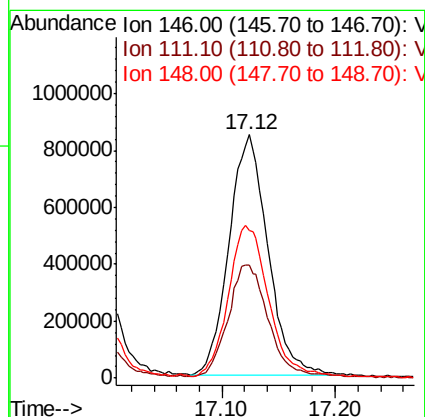
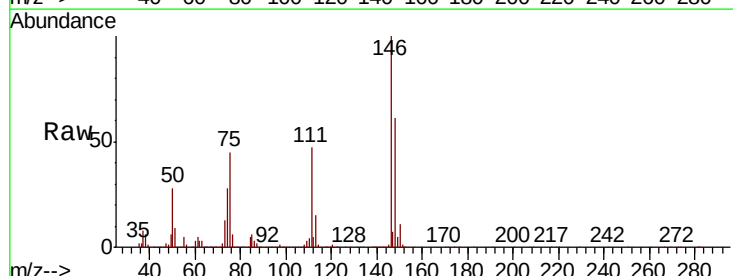
Instrument :
 MSVOA_L
 ClientSampleId :

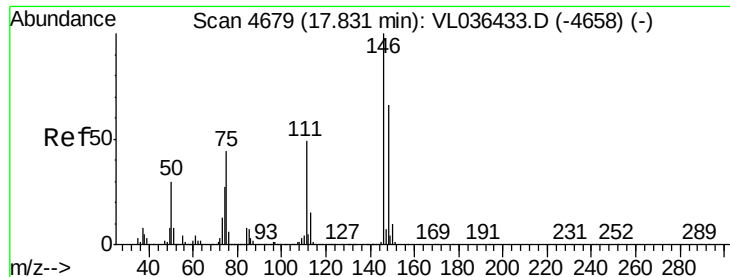
Tot Ion:146 Resp: 2061840
 Ion Ratio Lower Upper
 146 100
 111 49.0 24.5 73.5
 148 64.6 32.4 97.0



#76
 1,4-Dichlorobenzene
 Concen: 6.686 ppbv
 RT: 17.12 min Scan# 4459
 Delta R.T. -0.03 min
 Lab File: VL036450.D
 Acq: 19 Mar 2021 16:25

Tgt Ion:146 Resp: 2008216
 Ion Ratio Lower Upper
 146 100
 111 48.7 24.5 73.5
 148 67.4 33.1 99.2

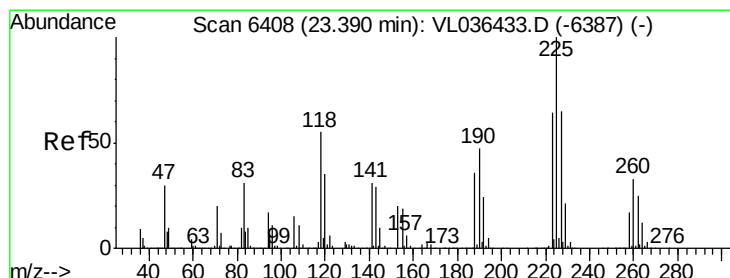
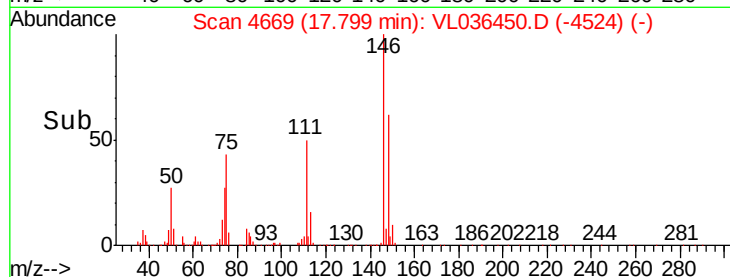
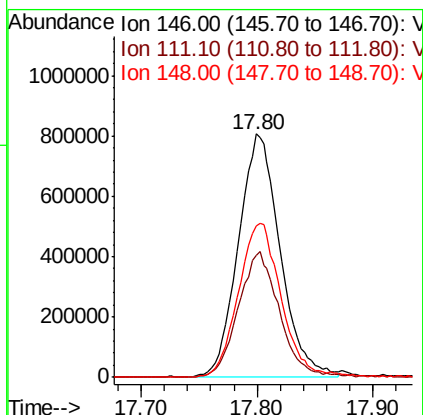
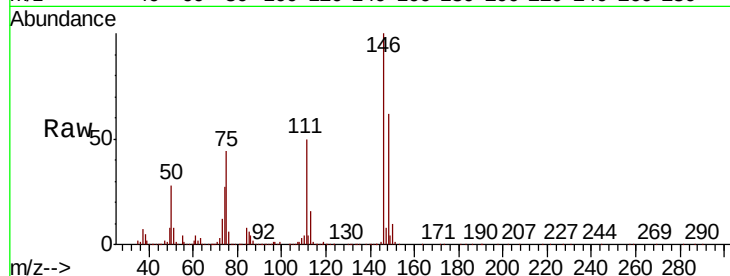




#77
 1,2-Dichlorobenzene
 Concen: 6.837 ppbv
 RT: 17.80 min Scan# 4669
 Delta R.T. -0.03 min
 Lab File: VL036450.D
 Acq: 19 Mar 2021 16:25

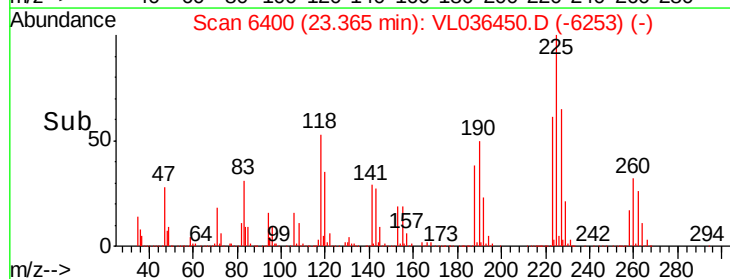
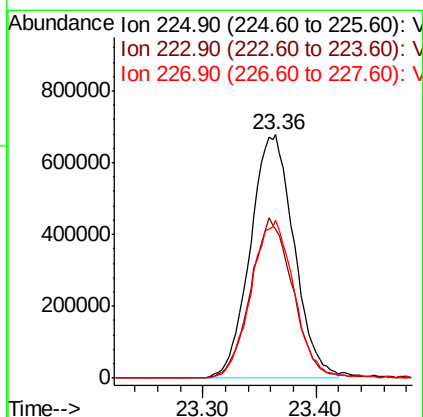
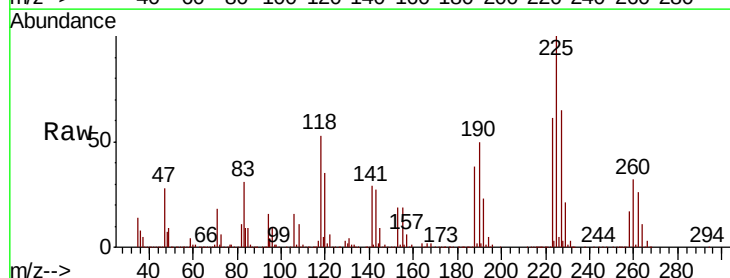
Instrument :
 MSVOA_L
 ClientSampleId :

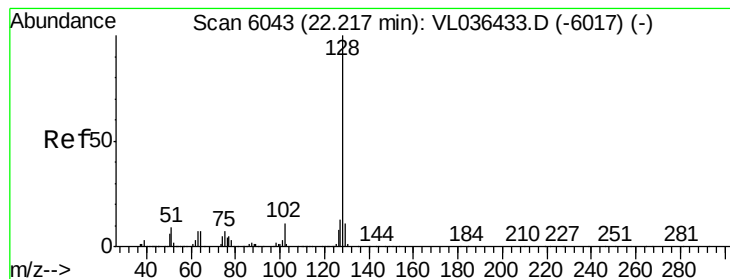
Tot Ion:146 Resp: 2012189
 Ion Ratio Lower Upper
 146 100
 111 51.2 25.4 76.2
 148 64.8 32.0 96.2



#78
 Hexachloro-1,3-Butadiene
 Concen: 7.736 ppbv
 RT: 23.36 min Scan# 6400
 Delta R.T. -0.03 min
 Lab File: VL036450.D
 Acq: 19 Mar 2021 16:25

Tgt Ion:225 Resp: 1811790
 Ion Ratio Lower Upper
 225 100
 223 64.4 51.8 77.8
 227 65.0 53.0 79.6





#79

Naphthalene

Concen: 11.154 ppbv

RT: 22.18 min Scan# 6031

Delta R.T. -0.04 min

Lab File: VL036450.D

Acq: 19 Mar 2021 16:25

Instrument :

MSVOA_L

ClientSampleId :

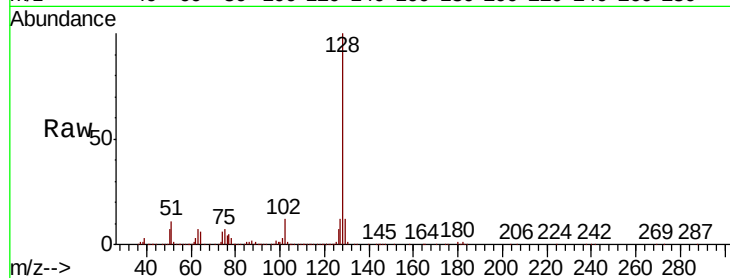
Tot Ion:128 Resp: 3536116

Ion Ratio Lower Upper

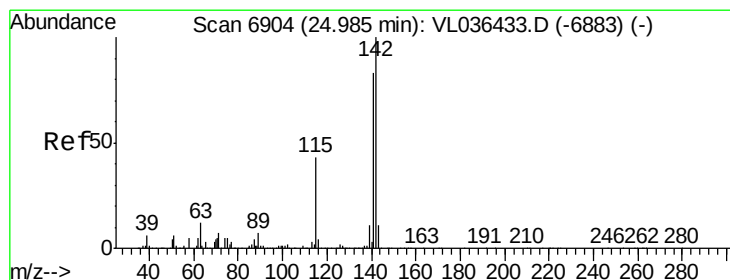
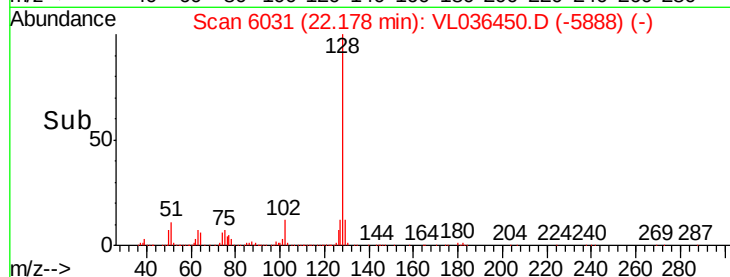
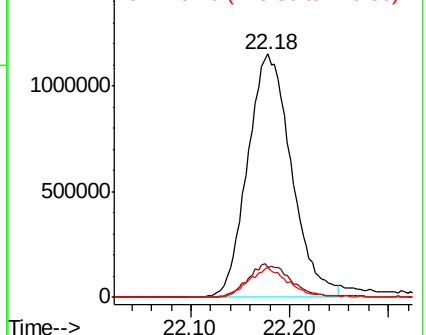
128 100

127 12.4 10.4 15.6

129 12.1 9.1 13.7



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



#80

Naphthalene, 2-methyl-

Concen: 14.492 ppbv

RT: 24.96 min Scan# 6897

Delta R.T. -0.02 min

Lab File: VL036450.D

Acq: 19 Mar 2021 16:25

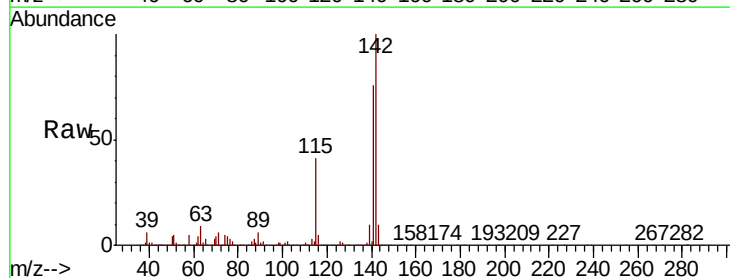
Tgt Ion:142 Resp: 993416

Ion Ratio Lower Upper

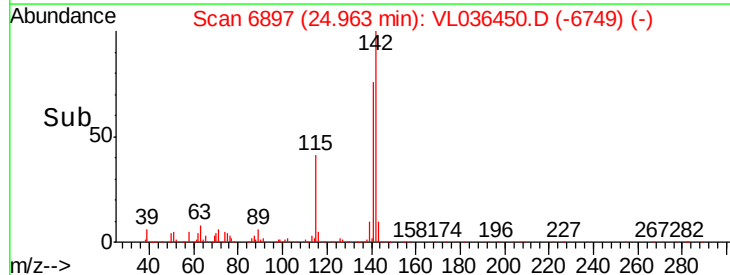
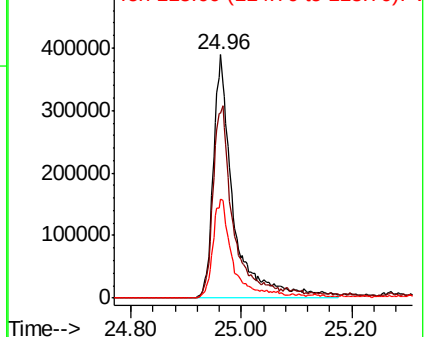
142 100

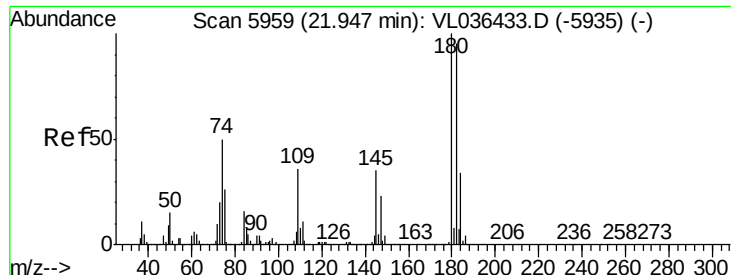
141 84.2 69.0 103.6

115 41.2 32.4 48.6



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: 4.160 ppbv

RT: 21.90 min Scan# 5945

Delta R.T. -0.05 min

Lab File: VL036450.D

Acq: 19 Mar 2021 16:25

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:180 Resp: 758014

Ion Ratio Lower Upper

180 100

182 0.0 81.8 122.6#

184 0.0 26.6 40.0#

