

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030321\
 Data File : VL036446.D
 Acq On : 3 Mar 2021 19:52
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VSTDCCC010EC

Quant Time: Mar 04 03:04:36 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	5.68	49	1667154	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	3961907	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	4598389	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	3223915	8.53	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	85.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	2140104	9.288	ppbv	99
3) Chlorodifluoromethane	2.99	51	1783360	9.044	ppbv	100
4) Chloromethane	3.14	50	885917	9.454	ppbv	96
5) Vinyl Chloride	3.26	62	864423	9.770	ppbv	100
6) Bromomethane	3.48	94	500593	9.127	ppbv	93
7) Chloroethane	3.56	64	299145	8.976	ppbv	93
8) Dichlorotetrafluoroethane	3.19	85	2093318	9.249	ppbv	99
9) Propene	3.01	41	742541	8.642	ppbv	94
10) Heptane	8.14	43	2061038	9.729	ppbv	99
11) Trichlorofluoromethane	3.96	101	2136401	8.979	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1368859	9.021	ppbv	98
13) Ethanol	3.61	45	46564	3.532	ppbv #	18
14) Bromoethene	3.74	108	577374	9.164	ppbv	97
15) Acetone	3.86	43	1632415	8.568	ppbv	98
16) 1,3-Butadiene	3.33	39	855276	9.307	ppbv	98
17) tert-Butyl alcohol	4.30	59	1259341	8.336	ppbv	99
18) 1,1-Dichloroethene	4.29	96	600123	8.892	ppbv	97
19) Isopropyl Alcohol	3.98	45	777011	7.257	ppbv #	98
20) Methylene Chloride	4.35	84	531744	8.280	ppbv	95
21) Allyl Chloride	4.42	41	986662	9.185	ppbv	97
22) trans-1,2-Dichloroethene	4.89	96	558428	9.138	ppbv	98
23) Vinyl Acetate	5.09	43	2063593	9.571	ppbv	99
24) 1,1-Dichloroethane	5.02	63	1593778	9.365	ppbv	100
25) Ethyl Acetate	5.69	43	3433891	9.270	ppbv	99
26) Hexane	5.70	57	1391403	9.180	ppbv	98
27) Carbon Disulfide	4.56	76	1512617	10.055	ppbv	99
28) Methyl tert-Butyl Ether	5.04	73	1891778	9.314	ppbv	100
29) Chloroform	5.76	83	2288104	9.227	ppbv	100
30) Cyclohexane	7.14	84	1183863	9.453	ppbv	98
31) cis-1,2-Dichloroethene	5.56	61	1415385	9.667	ppbv	91
32) 1,1,1-Trichloroethane	6.52	97	2240158	8.990	ppbv	99
34) 2-Butanone	5.25	43	2109798	8.835	ppbv	99
35) Carbon Tetrachloride	7.03	117	2320018	9.063	ppbv	99
36) Benzene	6.90	78	2923507	9.510	ppbv	99
37) 1,2-Dichloroethane	6.32	62	1758448	9.103	ppbv	99
38) Trichloroethene	7.85	130	1038068	8.935	ppbv	99
39) 1,2-Dichloropropane	7.63	63	1169450	8.946	ppbv	98
40) 1,4-Dioxane	7.84	88	330284	7.697	ppbv #	1
41) Tetrahydrofuran	6.06	42	1277592	9.592	ppbv	99
42) Bromodichloromethane	7.81	83	2435641	9.330	ppbv	100
43) Methyl Methacrylate	8.02	69	1273610	10.229	ppbv	99

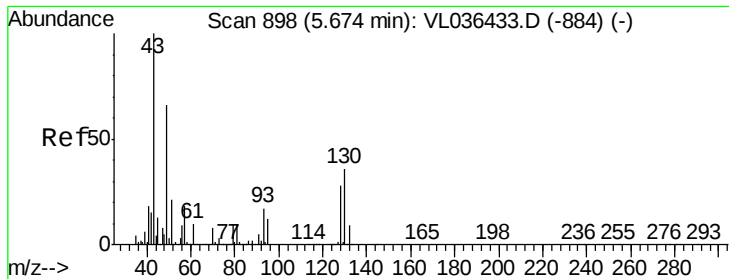
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030321\
 Data File : VL036446.D
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 VSTDCCC010EC

Quant Time: Mar 04 03:04:36 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	7.88	57	5033818	8.980	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	1354208	11.176	ppbv	98
46) cis-1,3-Dichloropropene	8.72	75	1667309	10.540	ppbv	99
47) 1,1,2-Trichloroethane	9.49	97	1177925	9.039	ppbv	97
48) Dibromochloromethane	10.32	129	1919532	9.727	ppbv	99
49) Bromoform	13.06	173	1519118	9.410	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	3394487	9.763	ppbv	100
51) 2-Hexanone	10.15	43	2729063	10.383	ppbv #	99
52) Tetrachloroethene	11.24	164	973106	8.440	ppbv	96
53) Toluene	9.82	91	3261609	9.851	ppbv	100
54) 1,2-Dibromoethane	10.62	107	1719264	9.139	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.14	131	1445876	7.095	ppbv #	60
57) Chlorobenzene	12.17	112	2351145	7.079	ppbv	98
58) Ethyl Benzene	12.73	91	4363627	7.637	ppbv	100
59) m/p-Xylene	13.01	91	3963741	7.846	ppbv #	41
60) o-Xylene	13.71	91	3500628	7.213	ppbv	99
61) Styrene	13.55	104	2455056	8.319	ppbv	99
62) Isopropylbenzene	14.69	105	5154670	7.045	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.69	83	2334942	6.154	ppbv	99
64) n-propylbenzene	15.58	120	1332133	7.288	ppbv	100
65) tert-Butylbenzene	16.76	119	4293083	6.744	ppbv	99
66) Benzyl Chloride	17.00	91	1385820	7.797	ppbv	100
67) sec-Butylbenzene	17.31	105	6115924	6.879	ppbv	99
69) p-Isopropyltoluene	17.67	119	5028777	7.069	ppbv	99
70) n-Butylbenzene	18.57	91	5249981	7.140	ppbv	100
71) 2-Chlorotoluene	15.47	91	3944217	7.166	ppbv	100
72) 4-Ethyltoluene	15.86	105	3958357	7.510	ppbv	100
73) 1,3,5-Trimethylbenzene	16.01	105	3692639	7.221	ppbv	98
74) 1,2,4-Trimethylbenzene	16.78	105	3714137	6.841	ppbv	94
75) 1,3-Dichlorobenzene	17.01	146	2023864	6.712	ppbv	99
76) 1,4-Dichlorobenzene	17.16	146	1995912	6.624	ppbv	100
77) 1,2-Dichlorobenzene	17.84	146	1990782	6.743	ppbv	100
78) Hexachloro-1,3-Butadiene	23.40	225	1747228	7.437	ppbv	99
79) Naphthalene	22.22	128	3529916	11.099	ppbv	99
80) Naphthalene, 2-methyl-	24.99	142	900636	13.097	ppbv	97
81) 1,2,4-Trichlorobenzene	21.95	180	1750942	9.578	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 Instrument: MSVOA_1

Delta R.T. 0.00 min

Lab File: ClientSampleId: VSTDCCC010EC

Acq: 3 Mar 2021 19:52

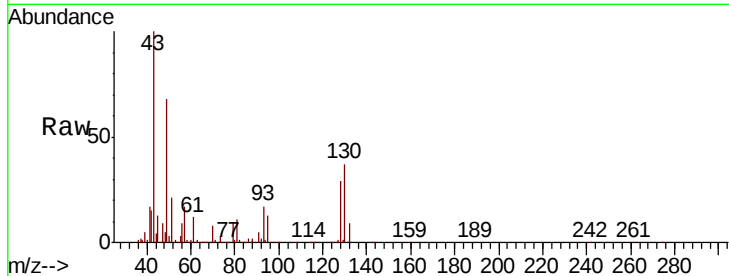
Tot Ion: 49 Resp: 1667154

Ion	Ratio	Lower	Upper
49	100		
128	44.7	22.4	67.2
130	57.0	28.0	84.0

49 100

128 44.7 22.4 67.2

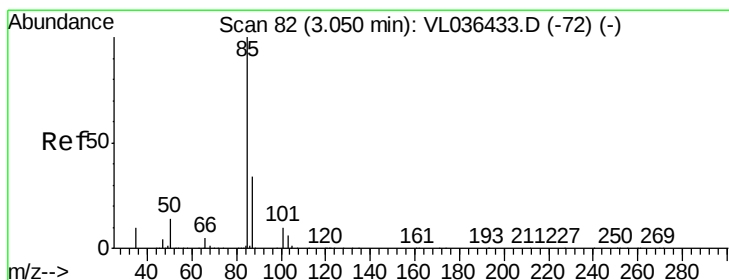
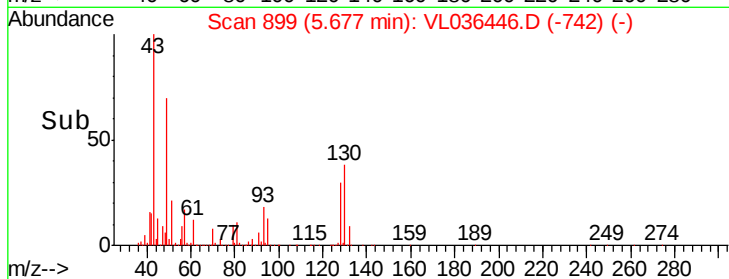
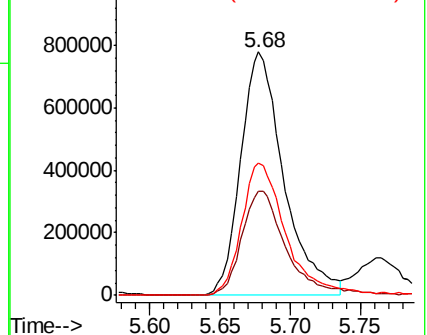
130 57.0 28.0 84.0



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: 9.288 ppbv

RT: 3.05 min Scan# 82

Delta R.T. 0.00 min

Lab File: VL036446.D

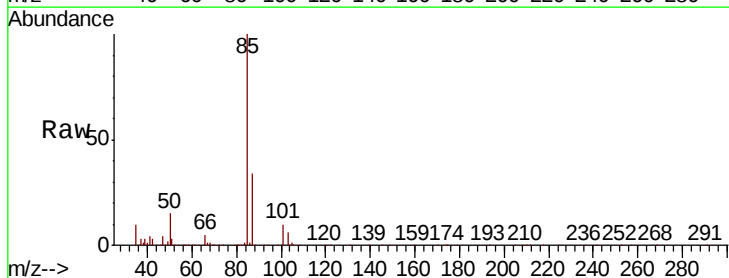
Acq: 3 Mar 2021 19:52

Tgt Ion: 85 Resp: 2140104

Ion	Ratio	Lower	Upper
85	100		
87	34.4	27.1	40.7

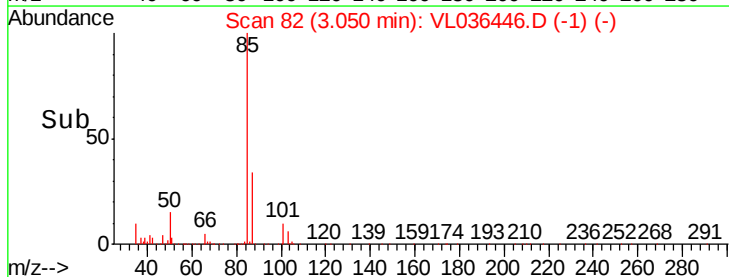
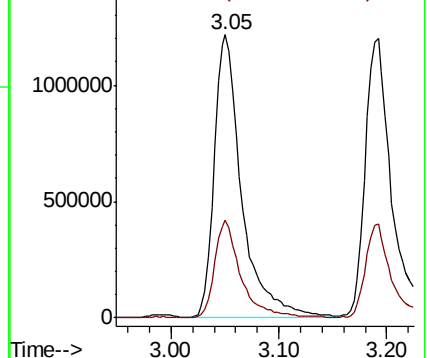
85 100

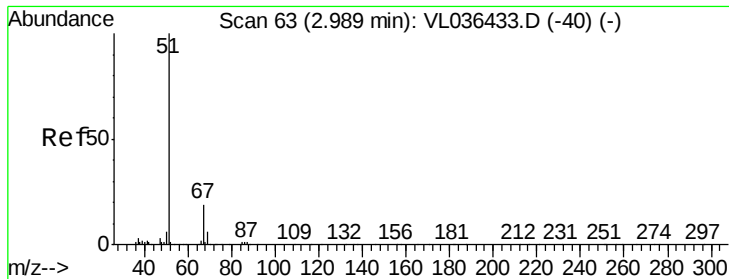
87 34.4 27.1 40.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.044 ppbv

RT: 2.99 Instrument: MSVOA_L

Delta R.T. 0.00 min

Lab File: ClientSampleId: VSTDCCC010EC

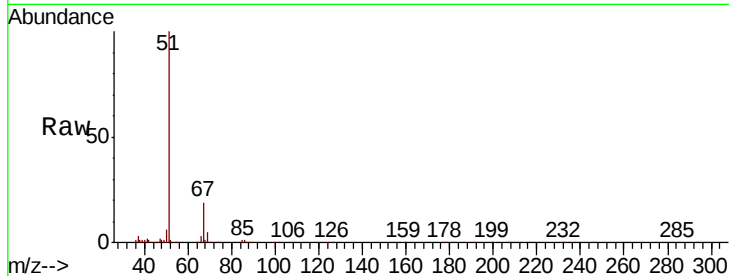
Acq: 3 Mar 2021 19:52

Tot Ion: 51 Resp: 1783360

Ion Ratio Lower Upper

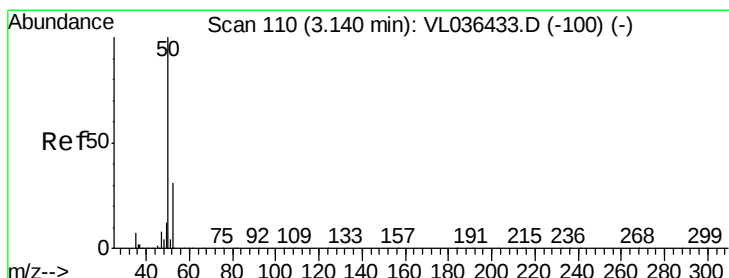
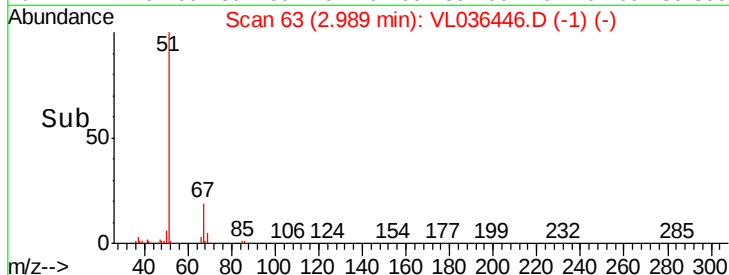
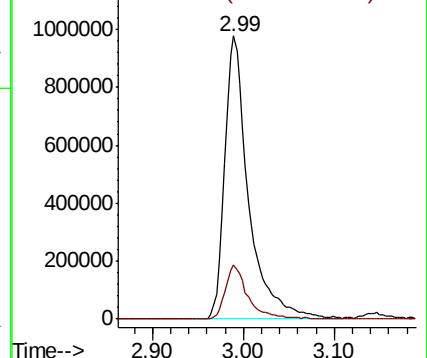
51 100

67 18.5 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: 9.454 ppbv

RT: 3.14 min Scan# 111

Delta R.T. 0.00 min

Lab File: VL036446.D

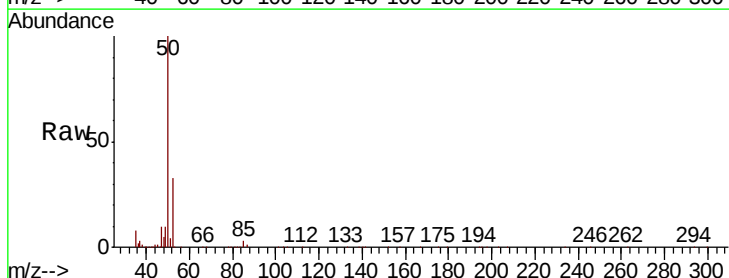
Acq: 3 Mar 2021 19:52

Tgt Ion: 50 Resp: 885917

Ion Ratio Lower Upper

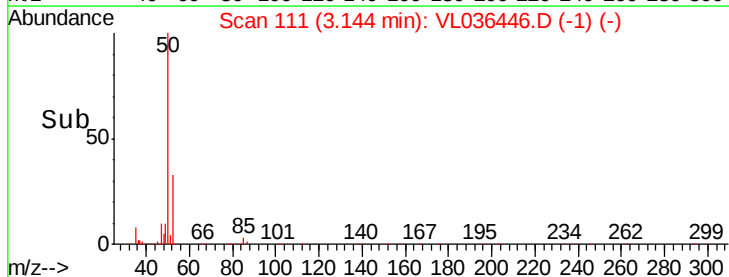
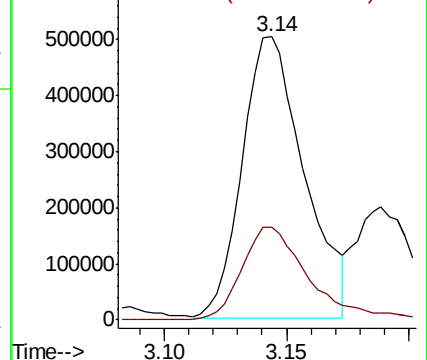
50 100

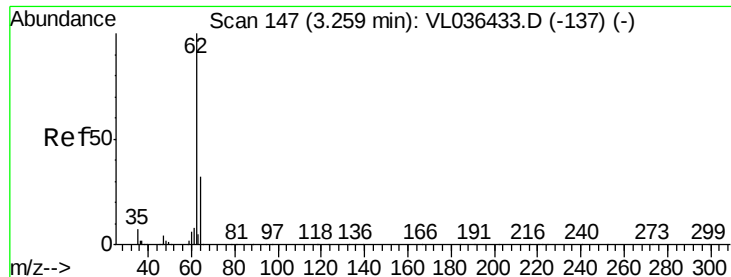
52 32.9 24.6 36.8



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.770 ppbv

RT: 3.26 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

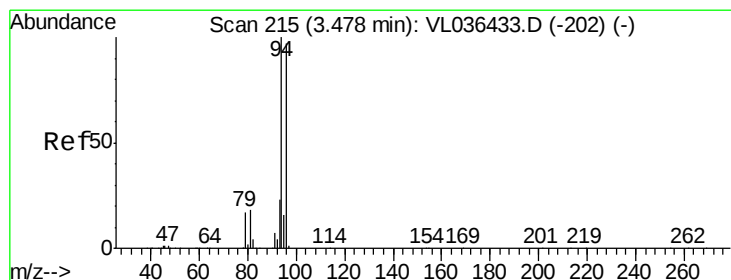
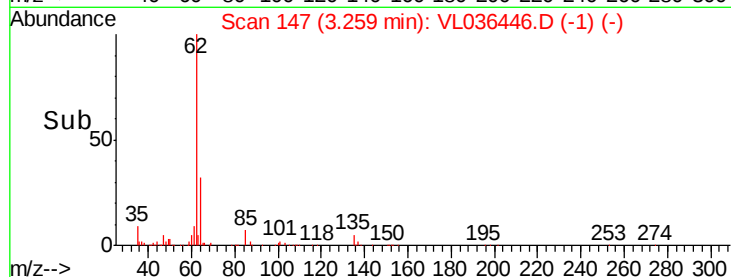
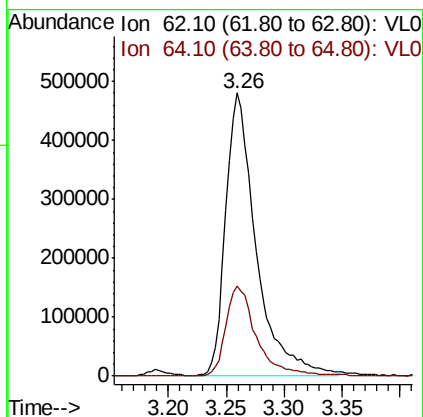
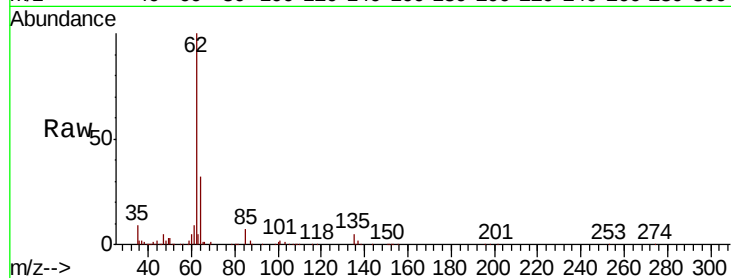
Acq: 3 Mar 2021 19:52 VSTDCCC010EC

Tot Ion: 62 Resp: 864423

Ion Ratio Lower Upper

62 100

64 31.8 25.4 38.2



#6

Bromomethane

Concen: 9.127 ppbv

RT: 3.48 min Scan# 215

Delta R.T. 0.00 min

Lab File: VL036446.D

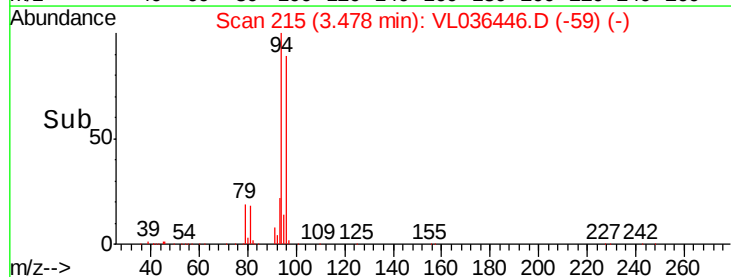
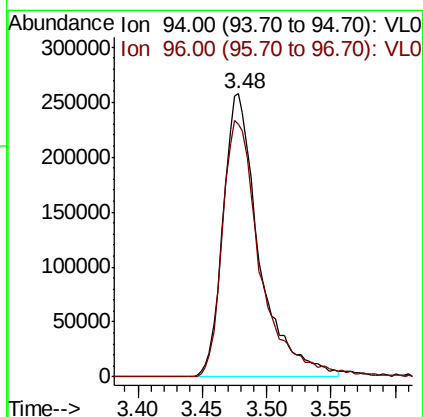
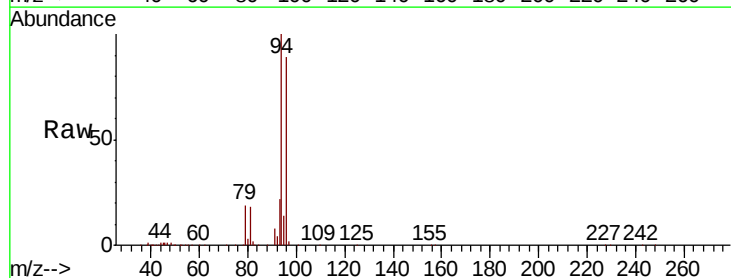
Acq: 3 Mar 2021 19:52

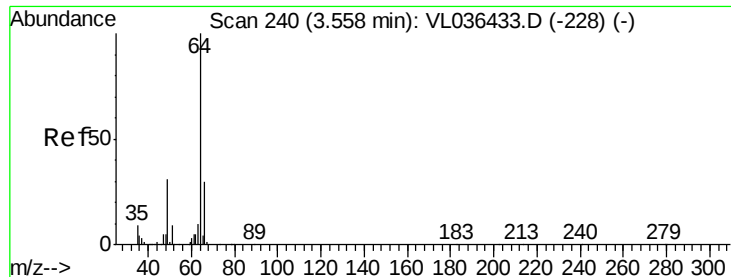
Tgt Ion: 94 Resp: 500593

Ion Ratio Lower Upper

94 100

96 89.4 77.3 115.9





#7

Chloroethane

Concen: 8.976 ppbv

RT: 3.56 Instrument: MSVOA_1

Delta R.T. 0.00 min

Lab File: ClientSampleId: VSTDCCC010EC

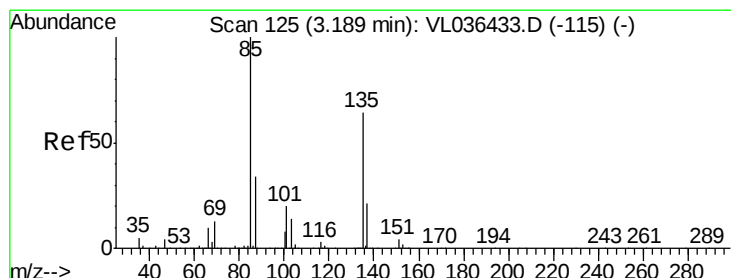
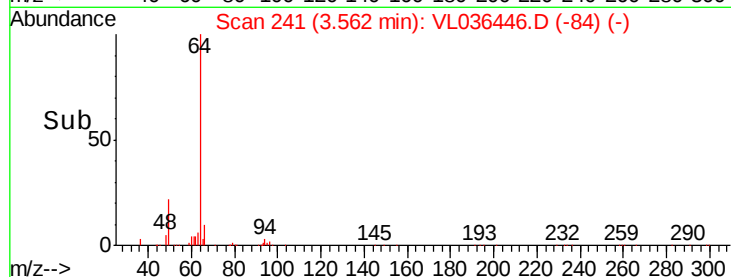
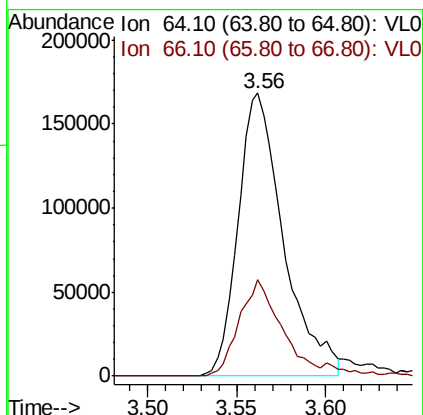
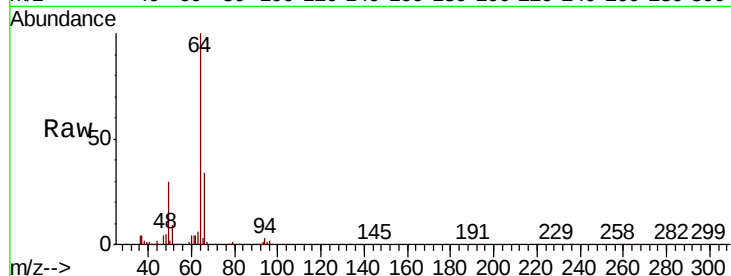
Acq: 3 Mar 2021 19:52

Tot Ion: 64 Resp: 299145

Ion Ratio Lower Upper

64 100

66 34.3 24.3 36.5



#8

Dichlorotetrafluoroethane

Concen: 9.249 ppbv

RT: 3.19 min Scan# 126

Delta R.T. 0.00 min

Lab File: VL036446.D

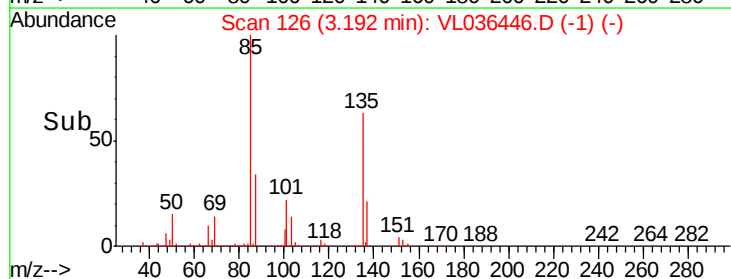
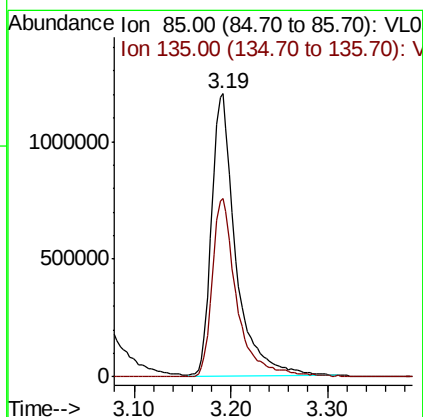
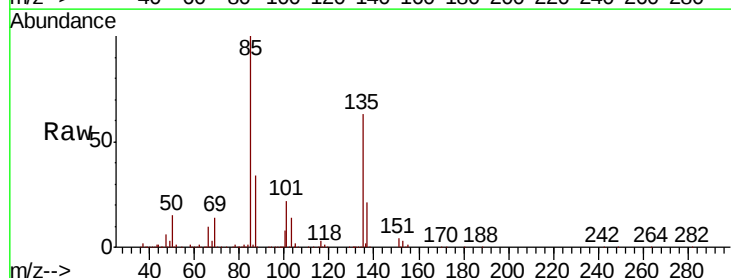
Acq: 3 Mar 2021 19:52

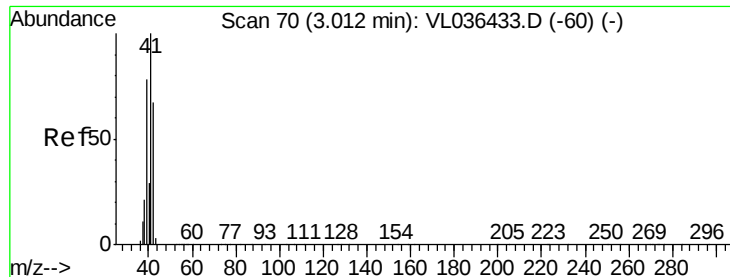
Tgt Ion: 85 Resp: 2093318

Ion Ratio Lower Upper

85 100

135 65.0 52.8 79.2





#9

Propene

Concen: 8.642 ppbv

RT: 3.01

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

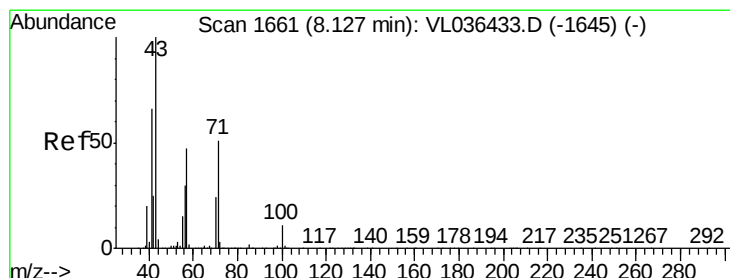
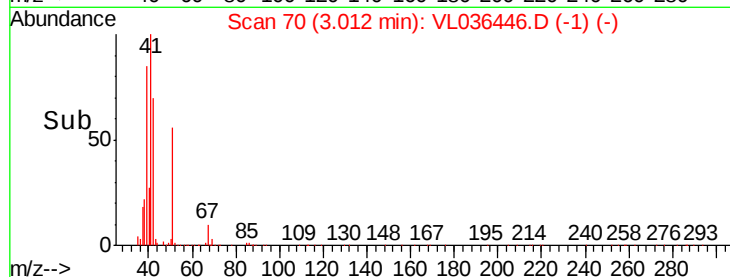
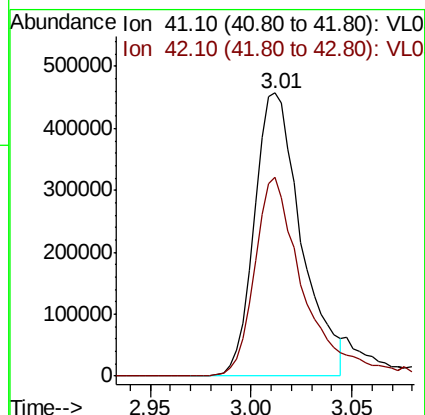
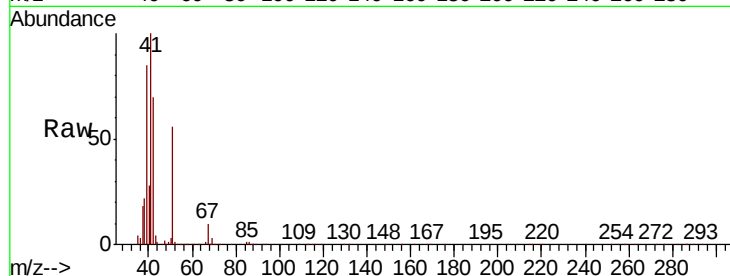
Acq: 3 Mar 2021 19:52

Tot Ion: 41 Resp: 742541

Ion Ratio Lower Upper

41 100

42 75.4 56.2 84.4



#10

Heptane

Concen: 9.729 ppbv

RT: 8.14 min Scan# 1664

Delta R.T. 0.01 min

Lab File: VL036446.D

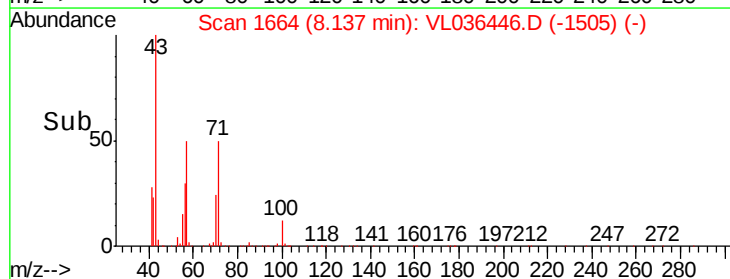
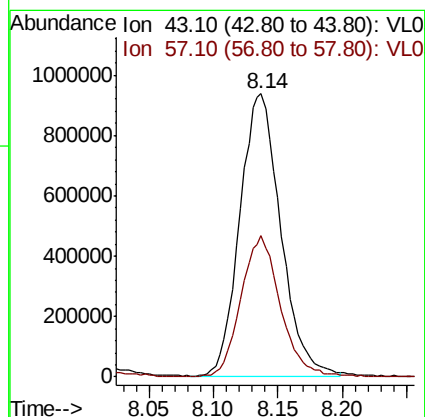
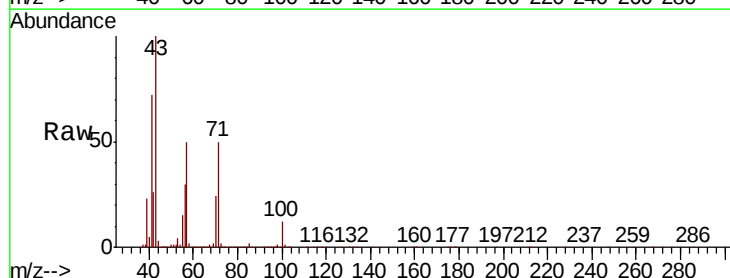
Acq: 3 Mar 2021 19:52

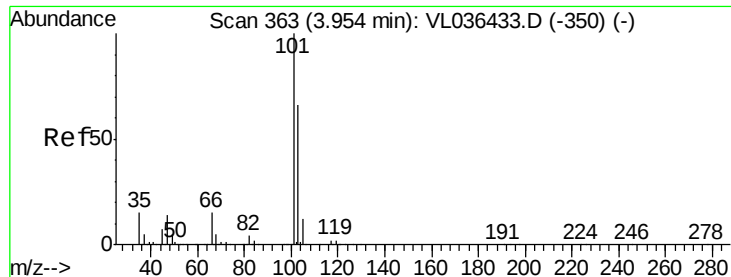
Tgt Ion: 43 Resp: 2061038

Ion Ratio Lower Upper

43 100

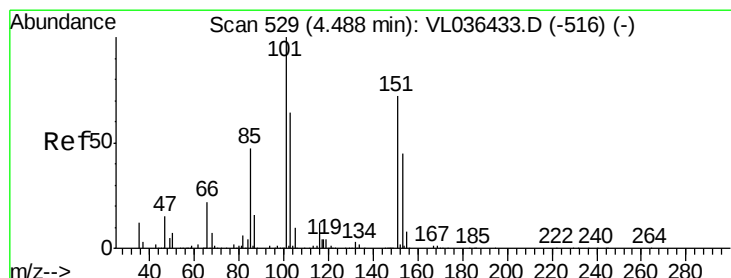
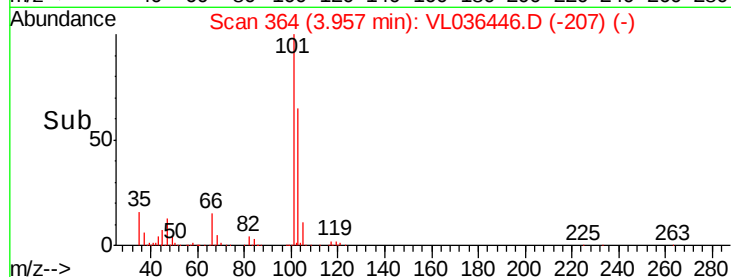
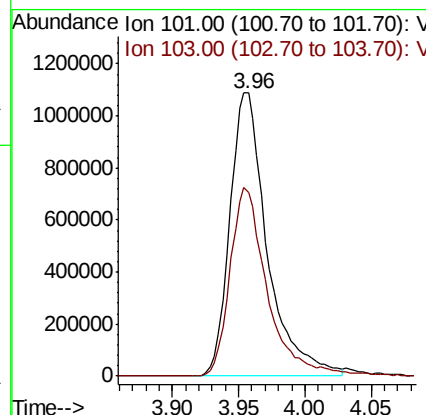
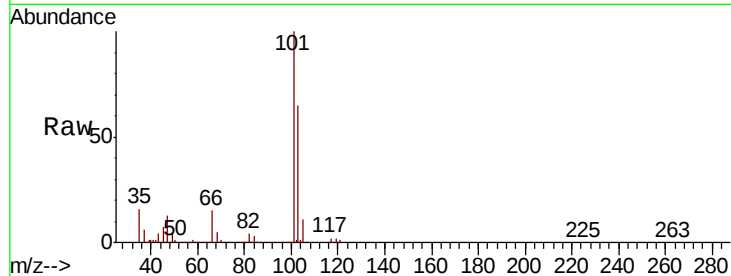
57 48.4 39.1 58.7





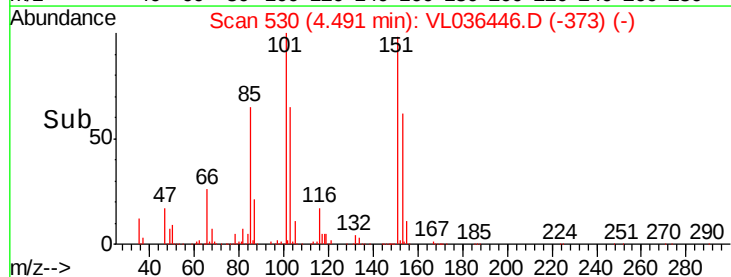
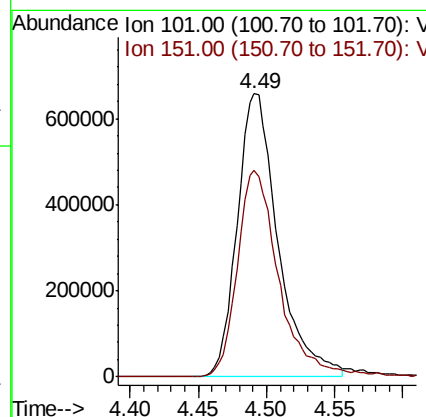
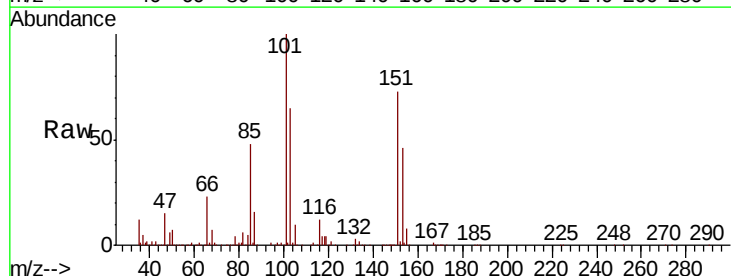
#11
 Trichlorofluoromethane
 Concen: 8.979 ppbv
 RT: 3.96
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 3 Mar 2021 19:52

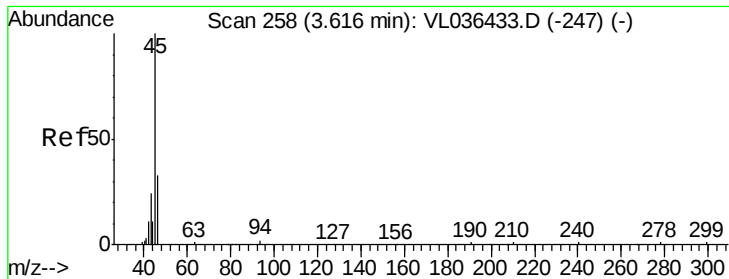
Tot Ion:101 Resp: 2136401
 Ion Ratio Lower Upper
 101 100
 103 64.7 52.4 78.6



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.021 ppbv
 RT: 4.49 min Scan# 530
 Delta R.T. 0.00 min
 Lab File: VL036446.D
 Acq: 3 Mar 2021 19:52

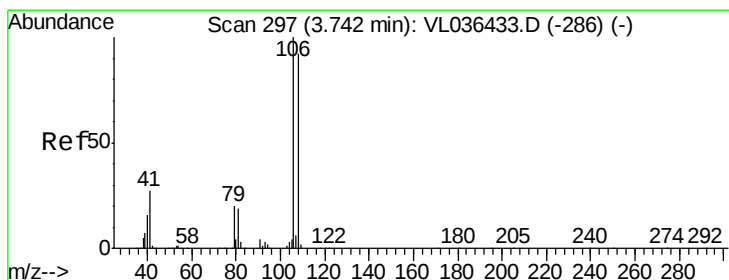
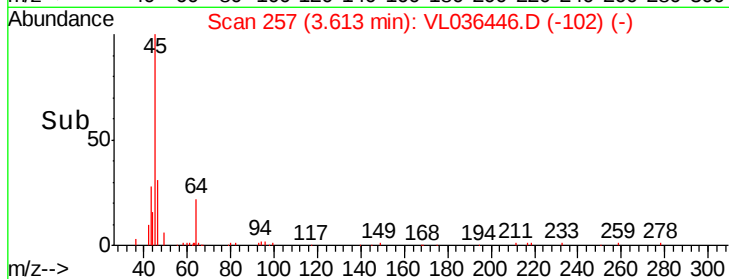
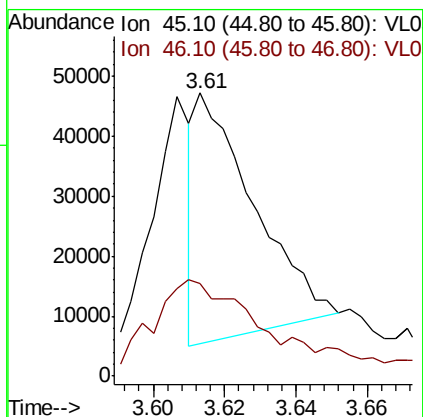
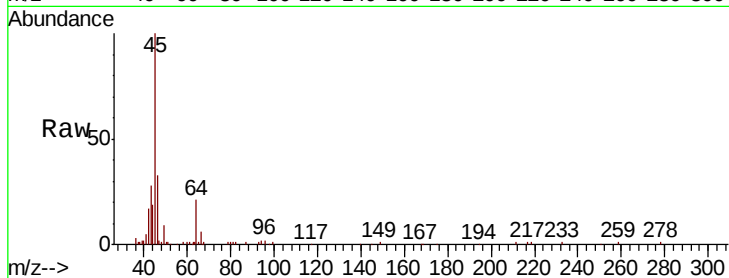
Tgt Ion:101 Resp: 1368859
 Ion Ratio Lower Upper
 101 100
 151 75.0 59.0 88.4





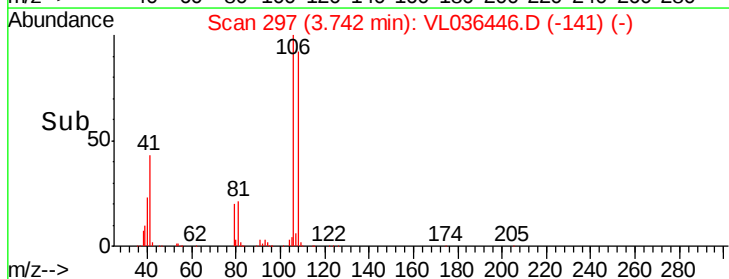
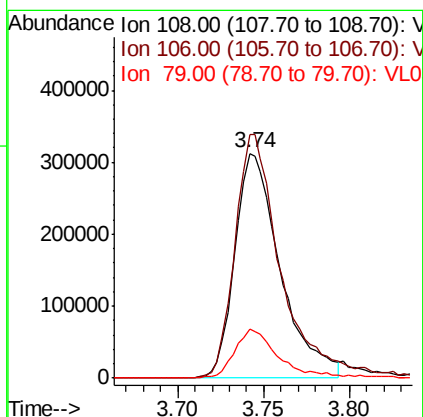
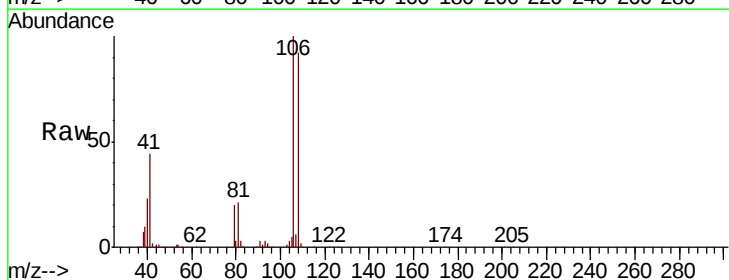
#13
Ethanol
Concen: 3.532 ppbv
RT: 3.61
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 3 Mar 2021 19:52

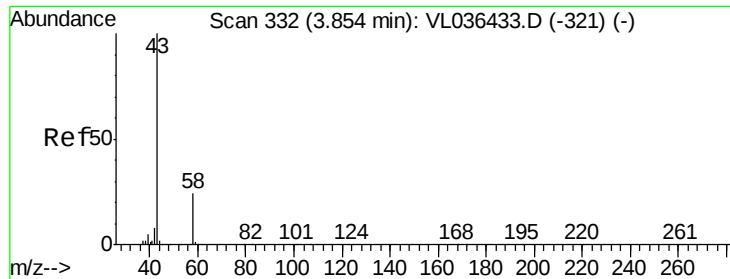
Tot Ion: 45 Resp: 46564
Ion Ratio Lower Upper
45 100
46 94.1 16.8 67.4#



#14
Bromoethene
Concen: 9.164 ppbv
RT: 3.74 min Scan# 297
Delta R.T. 0.00 min
Lab File: VL036446.D
Acq: 3 Mar 2021 19:52

Tgt Ion: 108 Resp: 577374
Ion Ratio Lower Upper
108 100
106 112.0 87.0 130.4
79 21.9 17.1 25.7





#15

Acetone

Concen: 8.568 ppbv

RT: 3.86 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

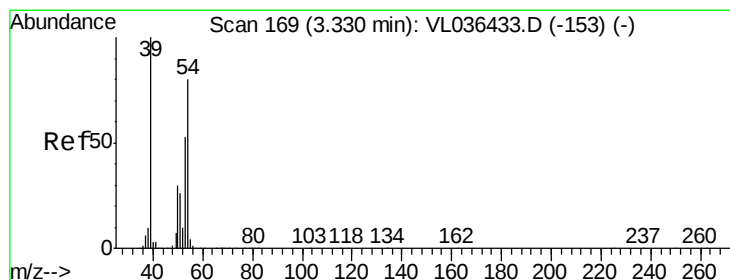
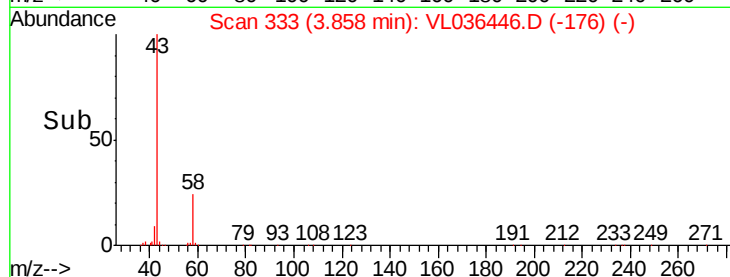
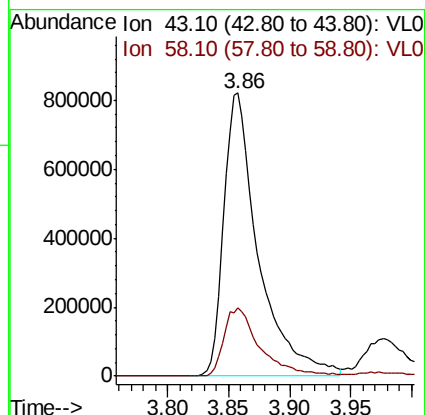
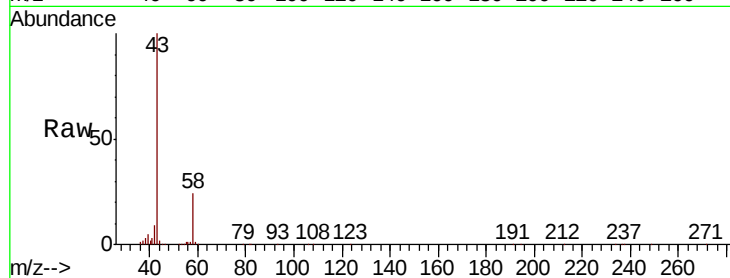
Acq: 3 Mar 2021 19:52 VSTDCCC010EC

Tot Ion: 43 Resp: 1632415

Ion Ratio Lower Upper

43 100

58 25.4 21.0 31.6



#16

1,3-Butadiene

Concen: 9.307 ppbv

RT: 3.33 min Scan# 169

Delta R.T. 0.00 min

Lab File: VL036446.D

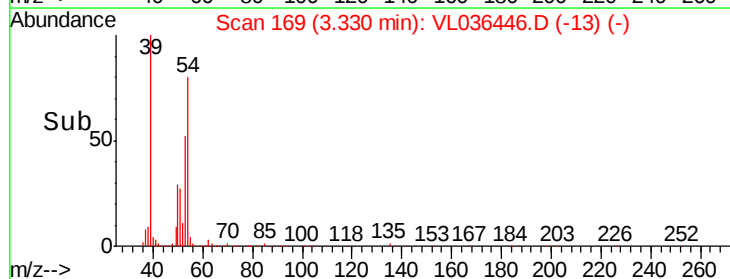
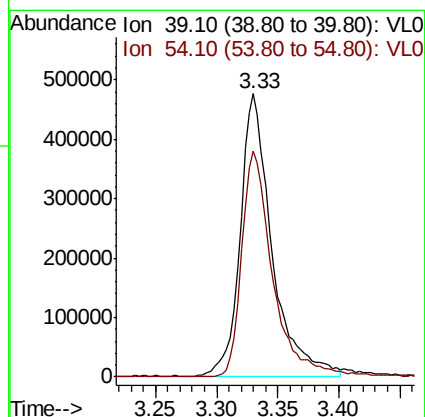
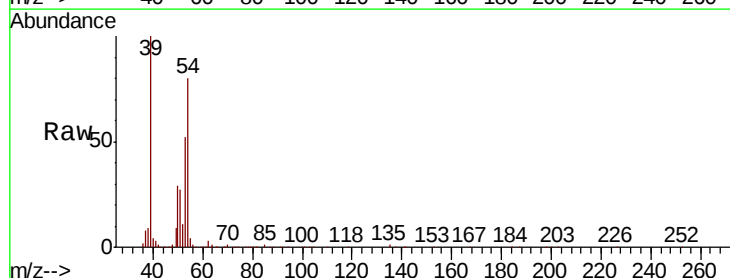
Acq: 3 Mar 2021 19:52

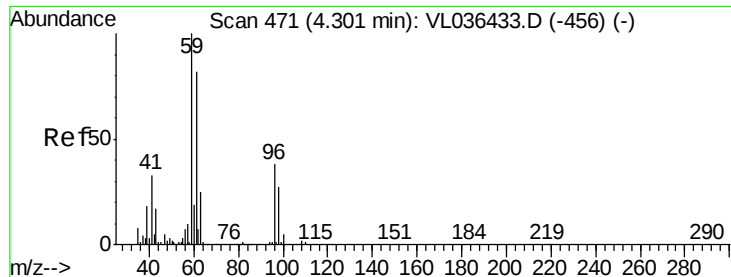
Tgt Ion: 39 Resp: 855276

Ion Ratio Lower Upper

39 100

54 78.7 64.5 96.7





#17

tert-Butyl alcohol

Concen: 8.336 ppbv

RT: 4.30 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

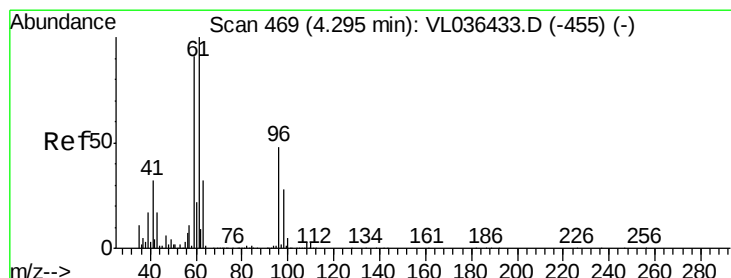
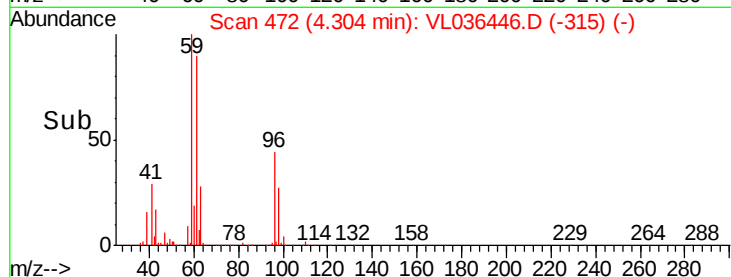
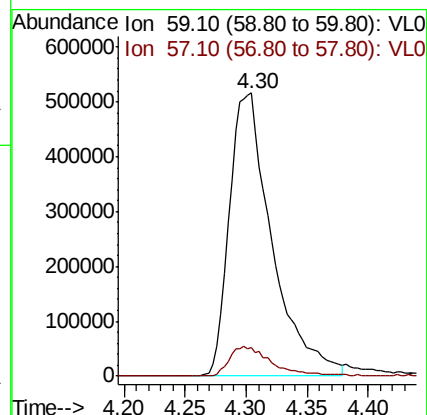
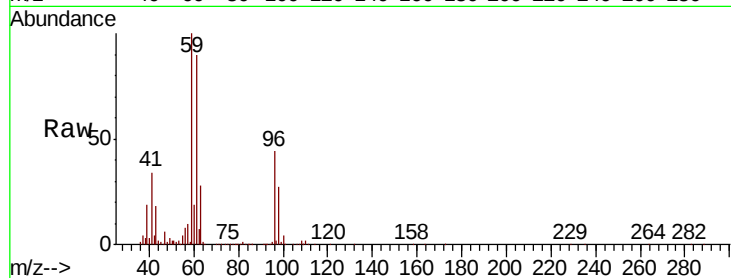
Acq: 3 Mar 2021 19:52 VSTDCCC010EC

Tot Ion: 59 Resp: 1259341

Ion Ratio Lower Upper

59 100

57 10.6 8.9 13.3



#18

1,1-Dichloroethene

Concen: 8.892 ppbv

RT: 4.29 min Scan# 469

Delta R.T. 0.00 min

Lab File: VL036446.D

Acq: 3 Mar 2021 19:52

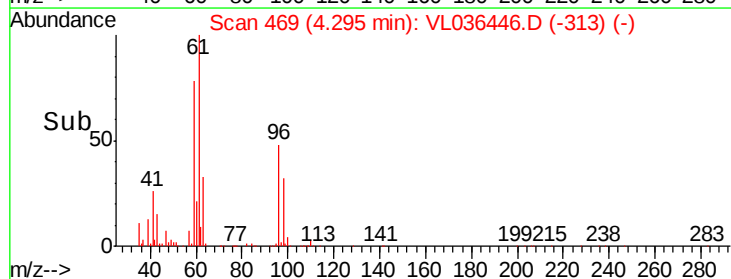
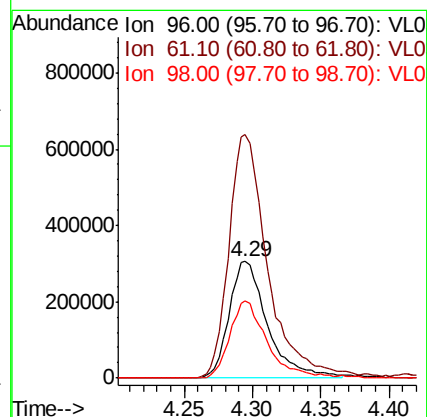
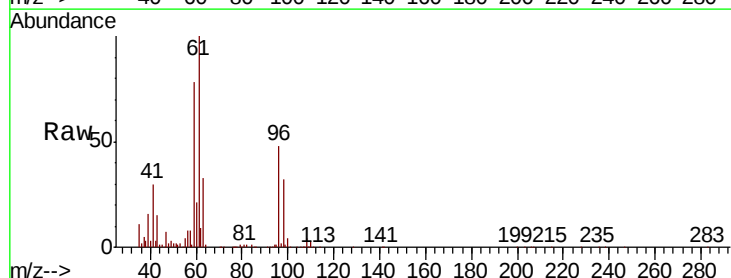
Tgt Ion: 96 Resp: 600123

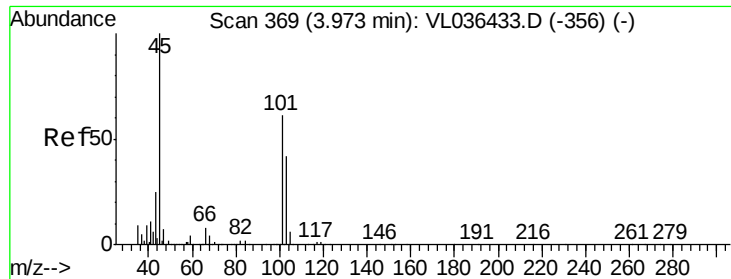
Ion Ratio Lower Upper

96 100

61 208.3 168.2 252.2

98 65.6 47.8 71.6





#19

Isopropyl Alcohol

Concen: 7.257 ppbv

RT: 3.98 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

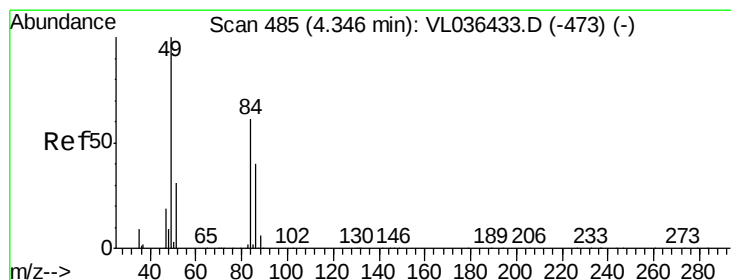
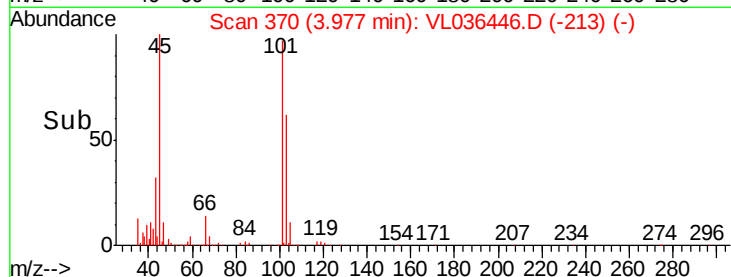
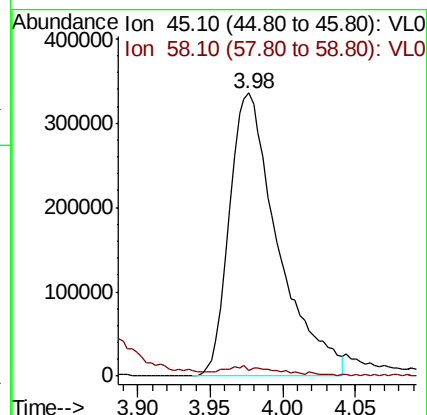
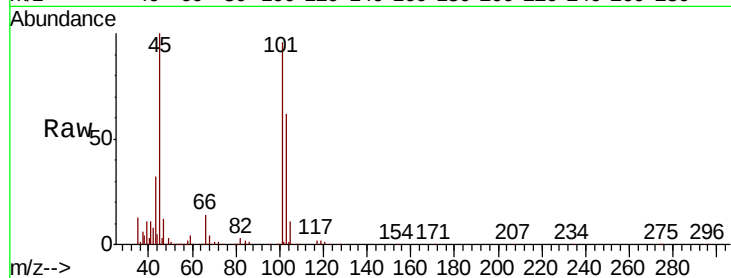
Acq: 3 Mar 2021 19:52 VSTDCCC010EC

Tot Ion: 45 Resp: 777011

Ion Ratio Lower Upper

45 100

58 3.1 2.0 3.0#



#20

Methylene Chloride

Concen: 8.280 ppbv

RT: 4.35 min Scan# 487

Delta R.T. 0.01 min

Lab File: VL036446.D

Acq: 3 Mar 2021 19:52

Tgt Ion: 84 Resp: 531744

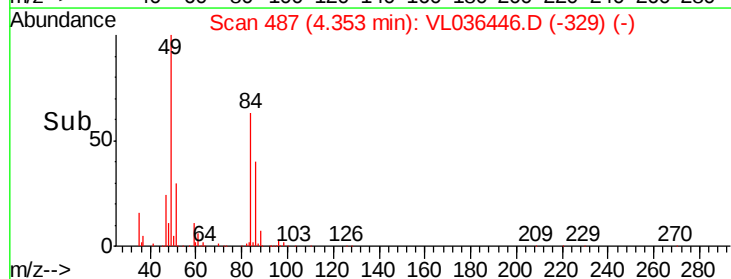
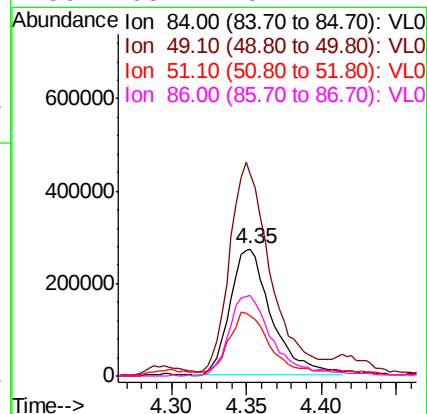
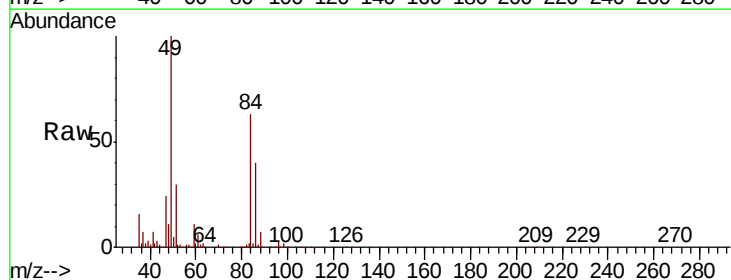
Ion Ratio Lower Upper

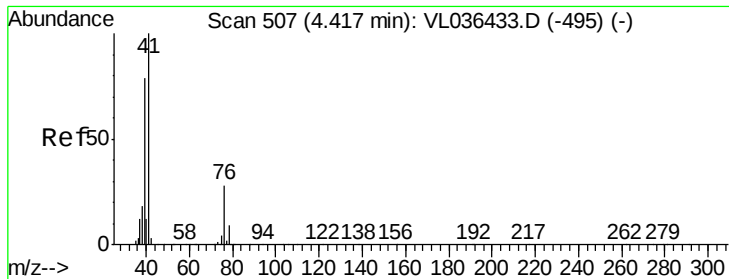
84 100

49 155.8 130.2 195.2

51 44.5 40.5 60.7

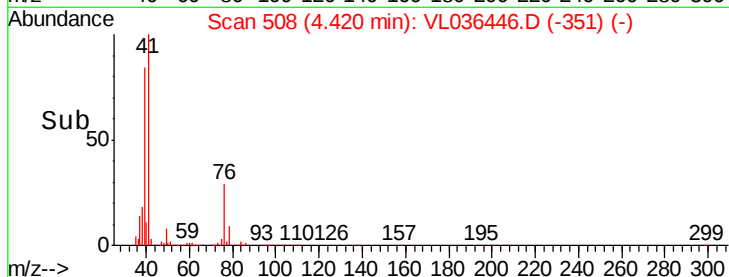
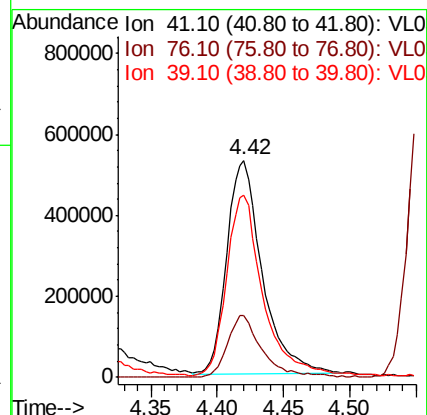
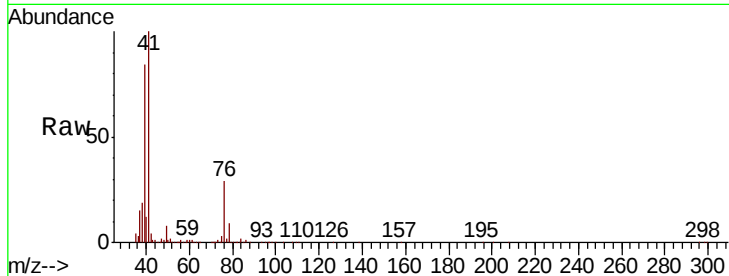
86 63.7 51.4 77.2





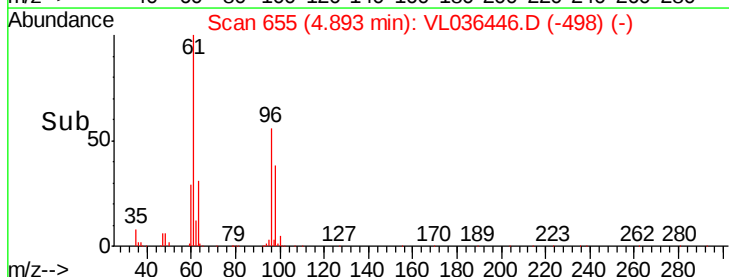
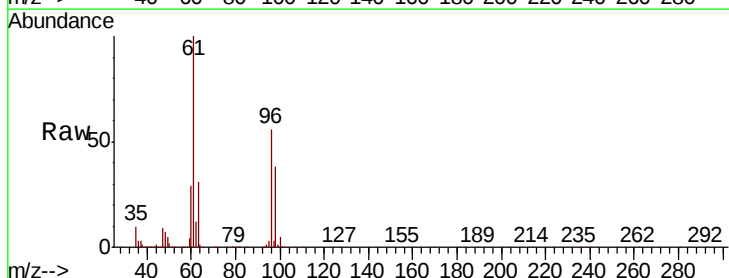
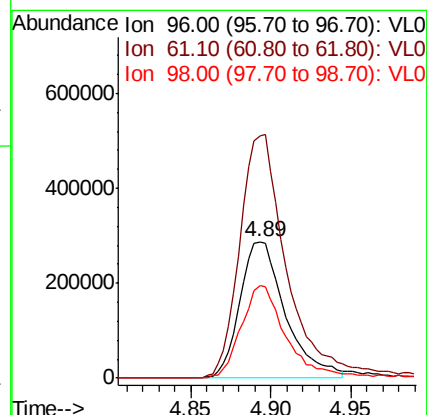
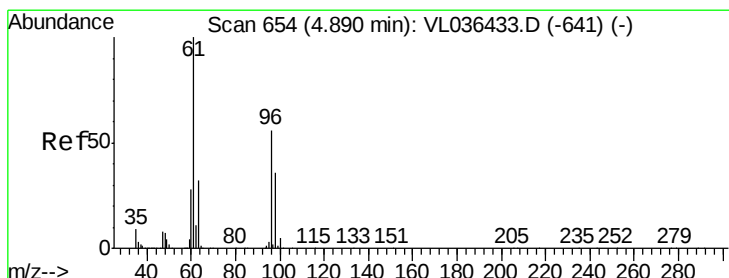
#21
Allvl Chloride
Concen: 9.185 ppbv
RT: 4.42
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 3 Mar 2021 19:52

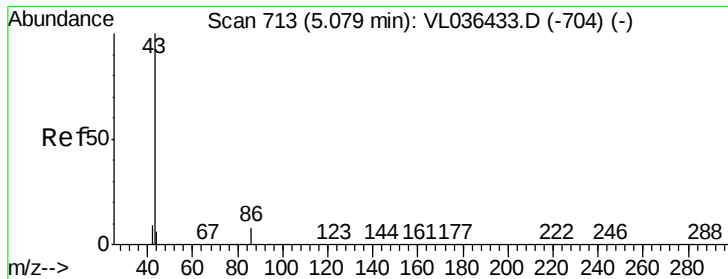
Tot Ion: 41 Resp: 986662
Ion Ratio Lower Upper
41 100
76 28.1 21.8 32.8
39 86.1 66.0 99.0



#22
trans-1,2-Dichloroethene
Concen: 9.138 ppbv
RT: 4.89 min Scan# 655
Delta R.T. 0.00 min
Lab File: VL036446.D
Acq: 3 Mar 2021 19:52

Tgt Ion: 96 Resp: 558428
Ion Ratio Lower Upper
96 100
61 177.4 142.1 213.1
98 67.4 50.6 75.8





#23

Vinyl Acetate

Concen: 9.571 ppbv

RT: 5.09 Instrument:

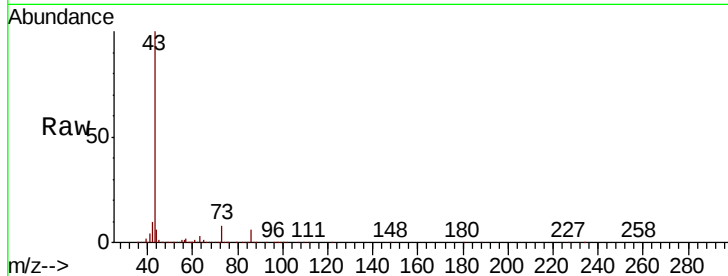
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

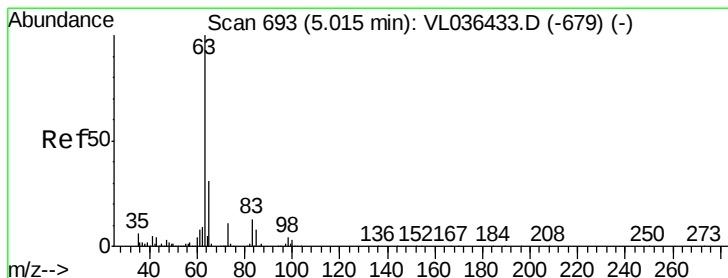
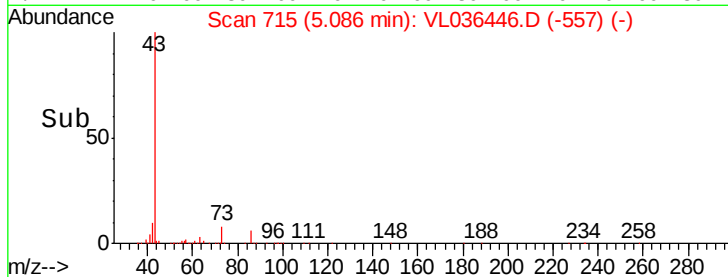
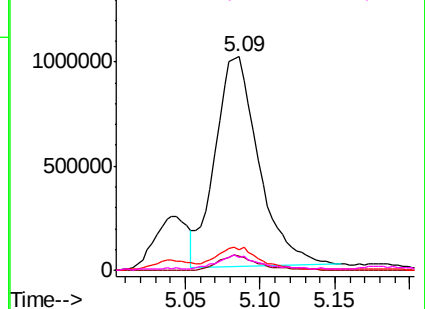
Acq: 3 Mar 2021 19:52 VSTDCCC010EC

Tot Ion: 43 Resp: 2063593

Ion	Ratio	Lower	Upper
43	100		
86	6.4	5.2	7.8
42	9.4	8.3	12.5
44	5.3	4.4	6.6



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 86.10 (85.80 to 86.80): VL0
Ion 42.10 (41.80 to 42.80): VL0
Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 9.365 ppbv

RT: 5.02 min Scan# 695

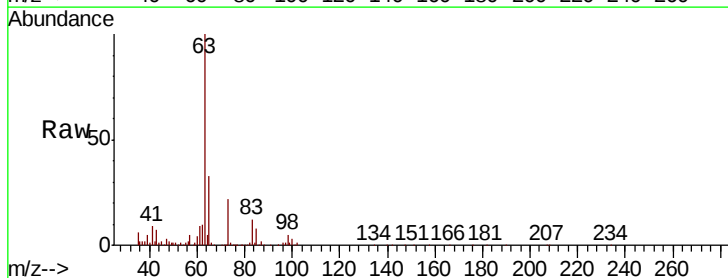
Delta R.T. 0.01 min

Lab File: VL036446.D

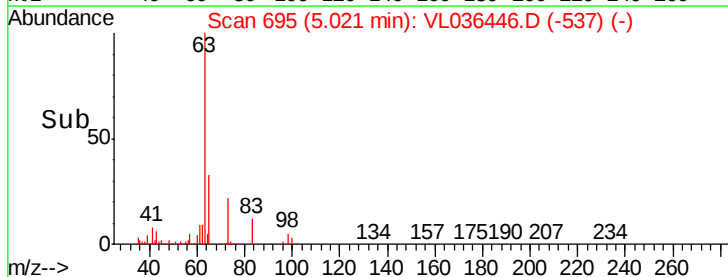
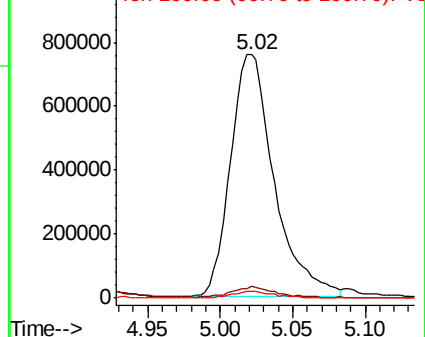
Acq: 3 Mar 2021 19:52

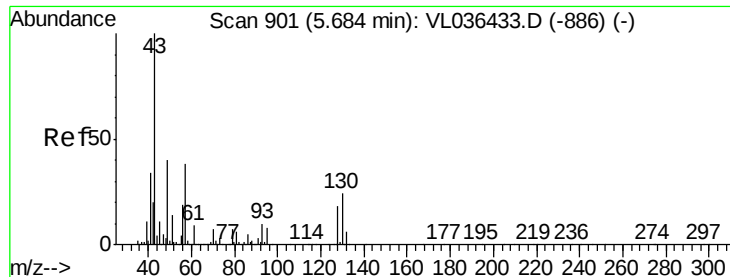
Tgt Ion: 63 Resp: 1593778

Ion	Ratio	Lower	Upper
63	100		
98	4.1	2.0	5.8
100	2.5	1.3	3.8



Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 98.00 (97.70 to 98.70): VL0
Ion 100.00 (99.70 to 100.70): VL0

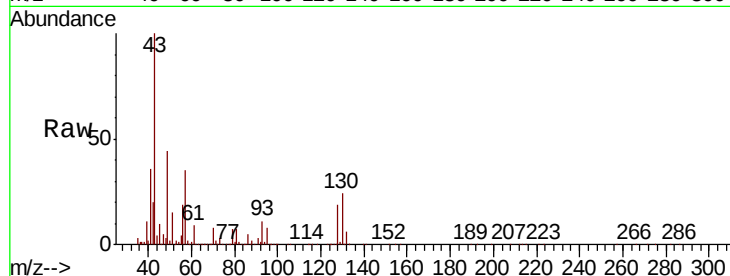




#25
Ethyl Acetate
Concen: 9.270 ppbv
RT: 5.69
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
VSTDCCC010EC
Acq: 3 Mar 2021 19:52

Tot Ion: 43 Resp: 3433891

Ion	Ratio	Lower	Upper
43	100		
45	10.4	8.0	12.0
61	9.3	7.7	11.5
70	7.0	5.4	8.0



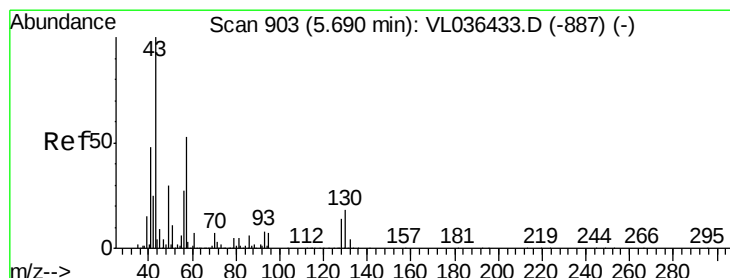
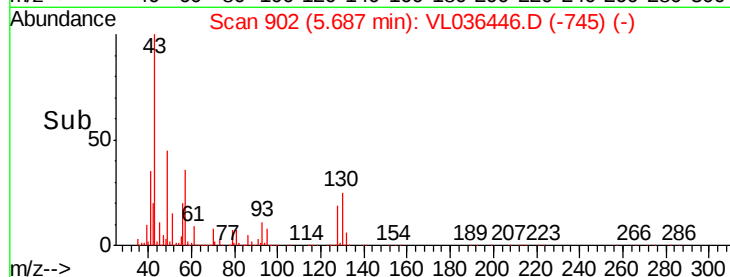
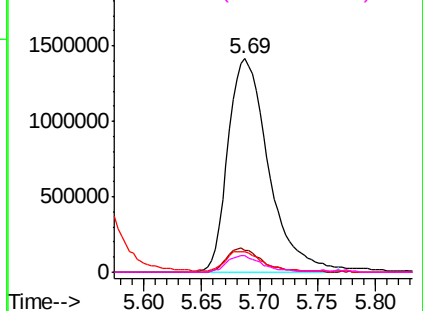
Abundance

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

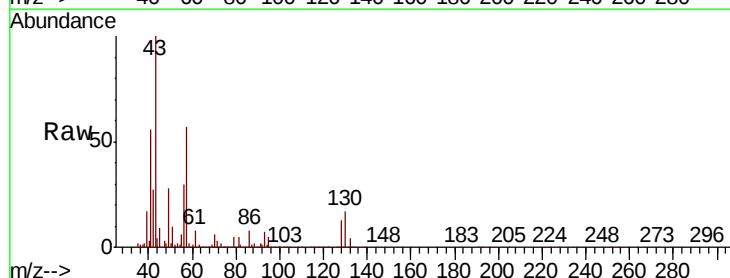
Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 9.180 ppbv
RT: 5.70 min Scan# 905
Delta R.T.: 0.01 min
Lab File: VL036446.D
Acq: 3 Mar 2021 19:52

Tgt Ion: 57 Resp: 1391403

Ion	Ratio	Lower	Upper
57	100		
41	103.1	80.4	120.6
43	252.6	199.8	299.6
56	55.5	43.8	65.8



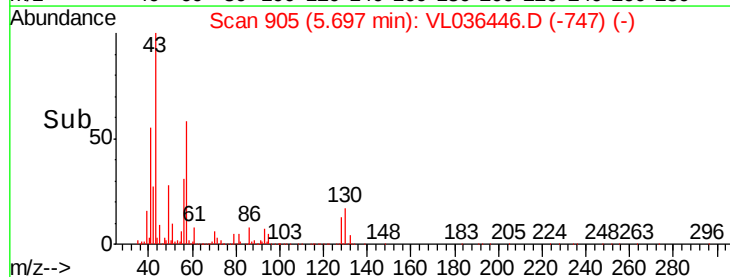
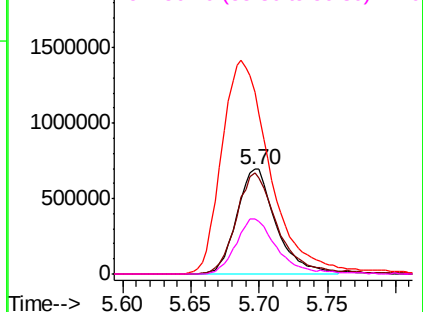
Abundance

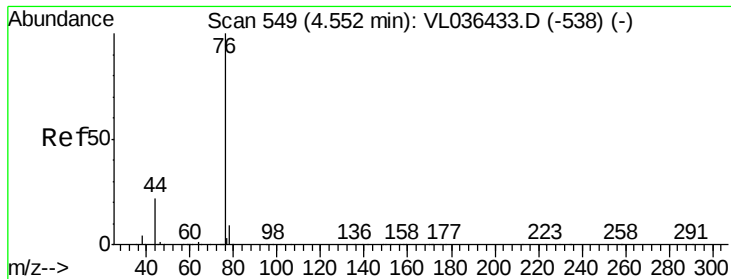
Ion 57.10 (56.80 to 57.80): VL0

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: 10.055 ppbv

RT: 4.56 Instrument: MSVOA_1

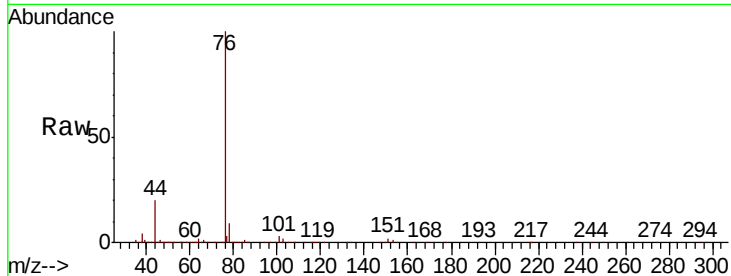
Delta R.T. 0.00 min

Lab File: ClientSampleId: VSTDCCC010EC

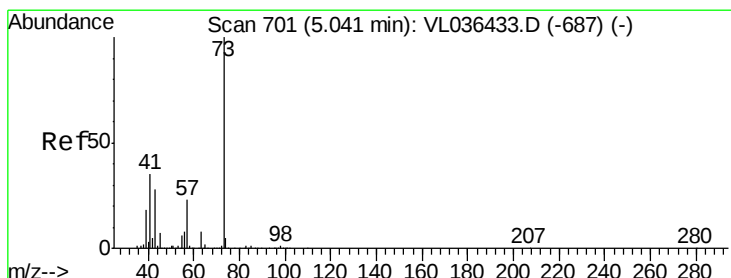
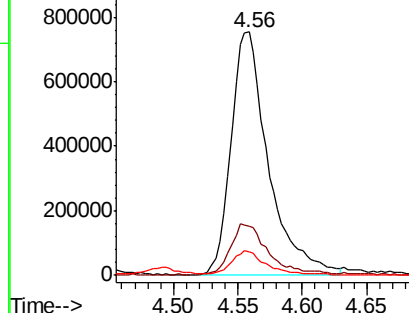
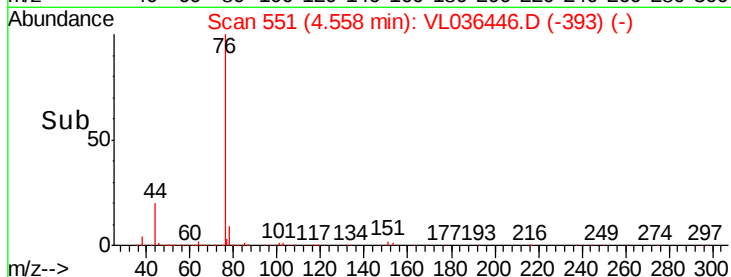
Acq: 3 Mar 2021 19:52

Tot Ion: 76 Resp: 1512617

Ion	Ratio	Lower	Upper
76	100		
44	21.7	17.4	26.0
78	9.9	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: 9.314 ppbv

RT: 5.04 min Scan# 701

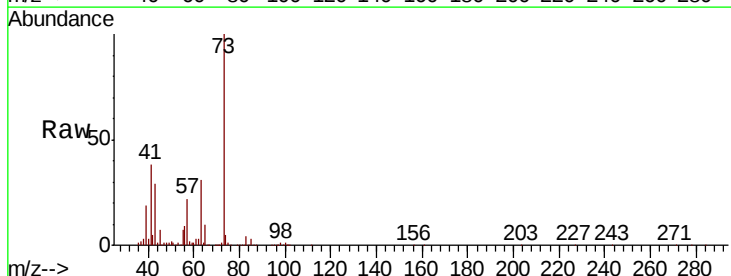
Delta R.T. 0.00 min

Lab File: VL036446.D

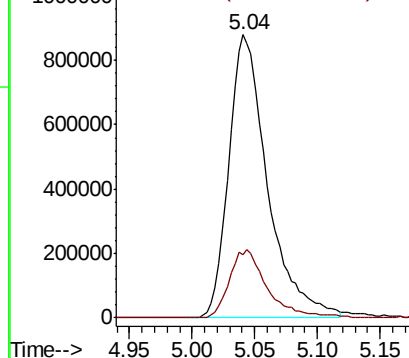
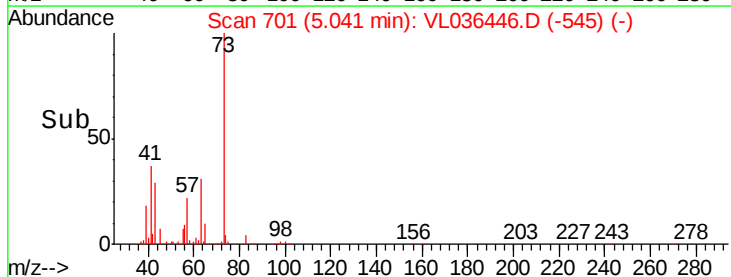
Acq: 3 Mar 2021 19:52

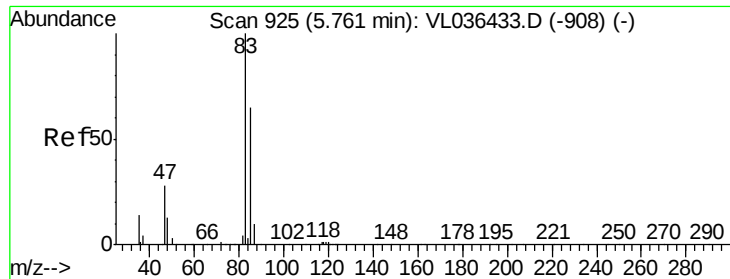
Tgt Ion: 73 Resp: 1891778

Ion	Ratio	Lower	Upper
73	100		
57	23.8	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: 9.227 ppbv

RT: 5.76 Instrument: MSVOA_1

Delta R.T. 0.00 min

Lab File: ClientSampleId: VSTDCCC010EC

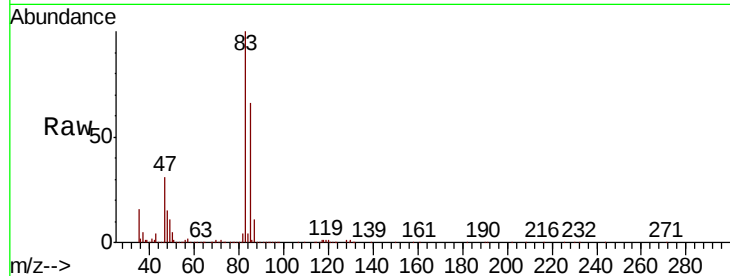
Acq: 3 Mar 2021 19:52

Tot Ion: 83 Resp: 2288104

Ion Ratio Lower Upper

83 100

85 65.2 51.9 77.9



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

1200000

1000000

800000

600000

400000

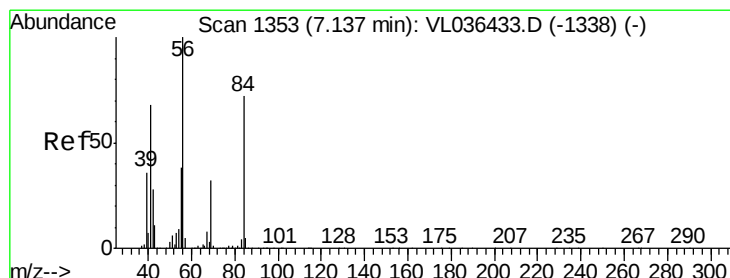
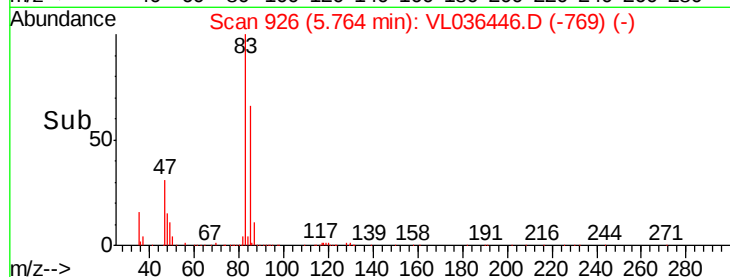
200000

0

5.76

5.70 5.80

Time-->



#30

Cyclohexane

Concen: 9.453 ppbv

RT: 7.14 min Scan# 1354

Delta R.T. 0.00 min

Lab File: VL036446.D

Acq: 3 Mar 2021 19:52

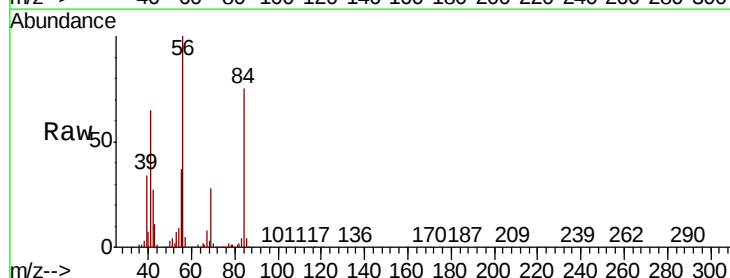
Tgt Ion: 84 Resp: 1183863

Ion Ratio Lower Upper

84 100

56 148.3 117.6 176.4

41 97.4 75.9 113.9



Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

1000000

800000

600000

400000

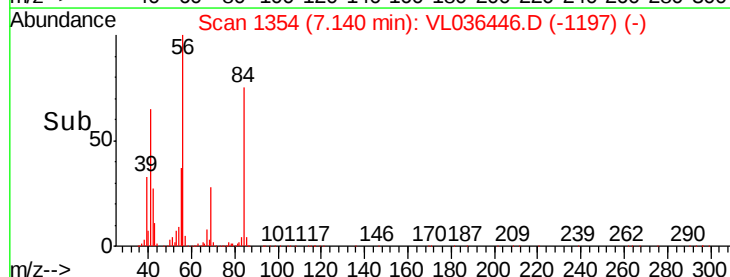
200000

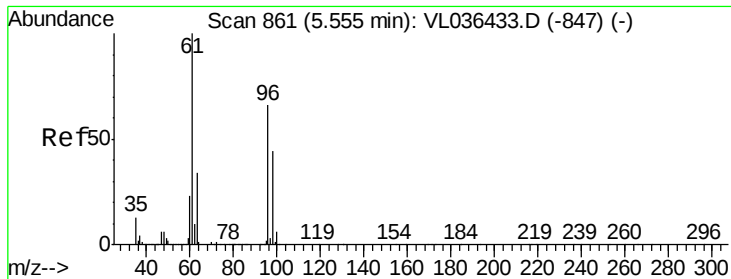
0

7.14

7.05 7.10 7.15 7.20 7.25

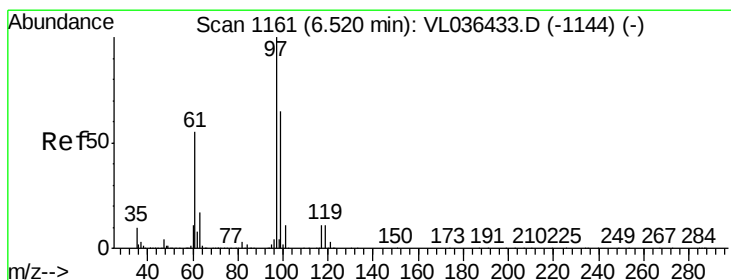
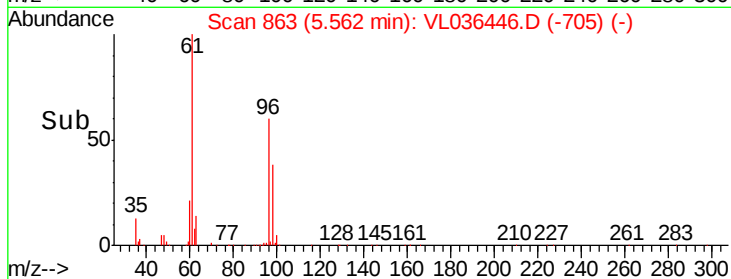
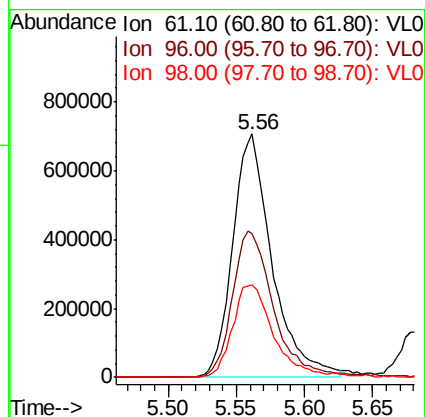
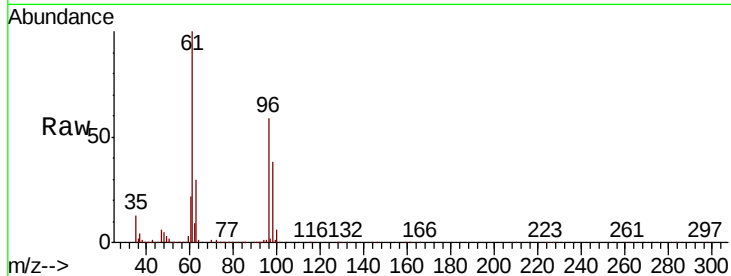
Time-->





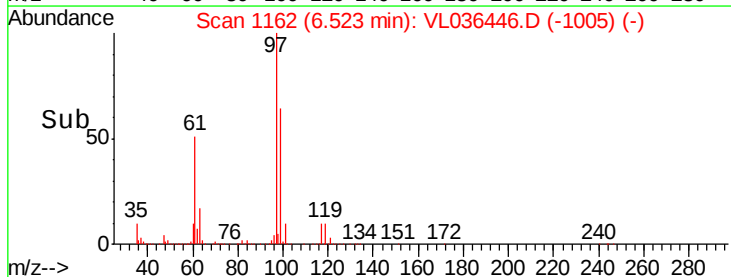
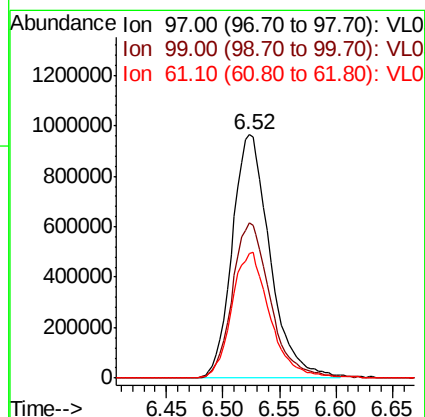
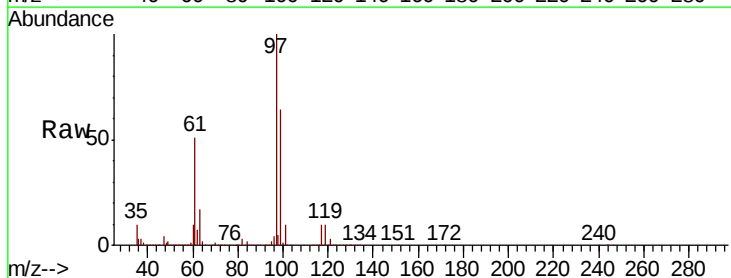
#31
 cis-1,2-Dichloroethene
 Concen: 9.667 ppbv
 RT: 5.56
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 3 Mar 2021 19:52

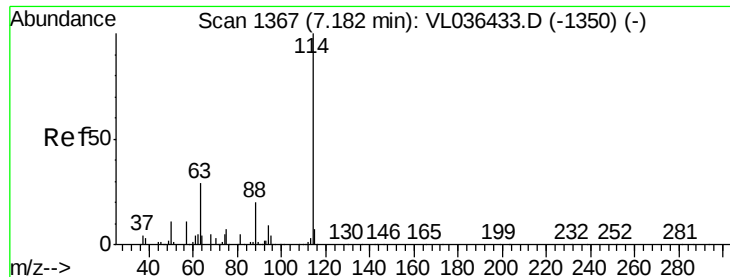
Tot Ion: 61 Resp: 1415385
 Ion Ratio Lower Upper
 61 100
 96 58.9 52.9 79.3
 98 38.1 34.9 52.3



#32
 1,1,1-Trichloroethane
 Concen: 8.990 ppbv
 RT: 6.52 min Scan# 1162
 Delta R.T. 0.00 min
 Lab File: VL036446.D
 Acq: 3 Mar 2021 19:52

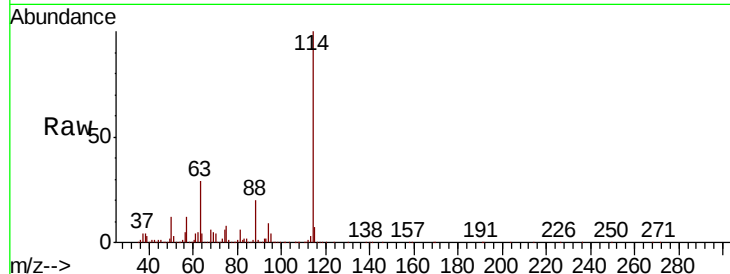
Tgt Ion: 97 Resp: 2240158
 Ion Ratio Lower Upper
 97 100
 99 64.6 52.1 78.1
 61 52.4 42.2 63.4



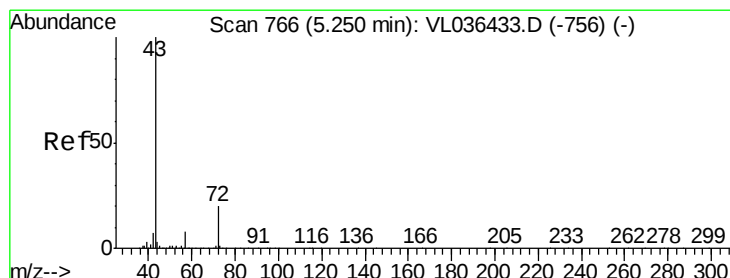
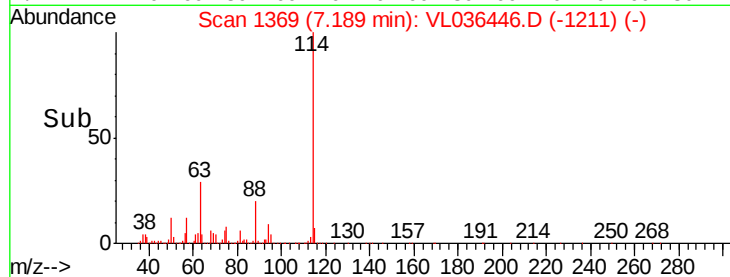
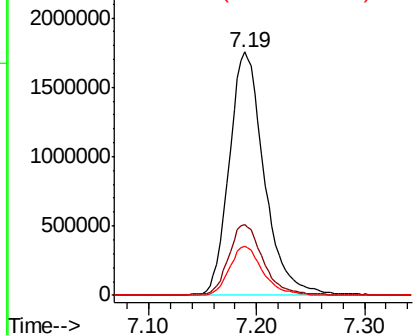


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 VSTDCCC010EC
 Acq: 3 Mar 2021 19:52

Tot Ion:114 Resp: 3961907
 Ion Ratio Lower Upper
 114 100
 63 29.2 23.3 34.9
 88 19.6 15.6 23.4

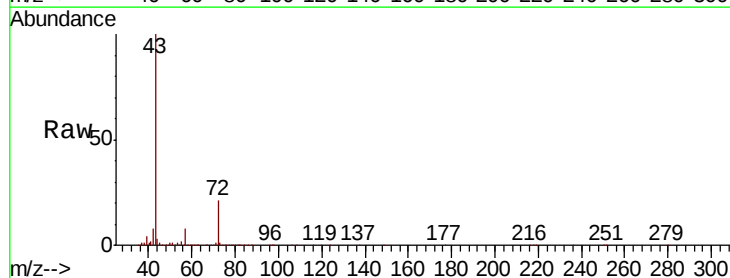


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

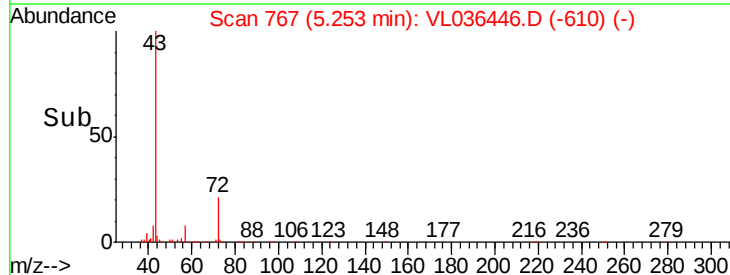
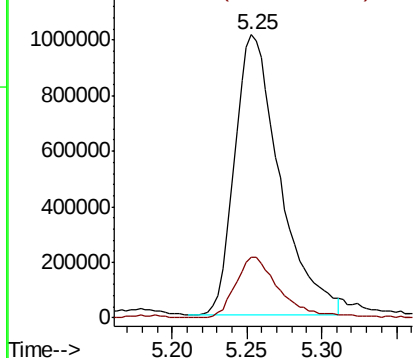


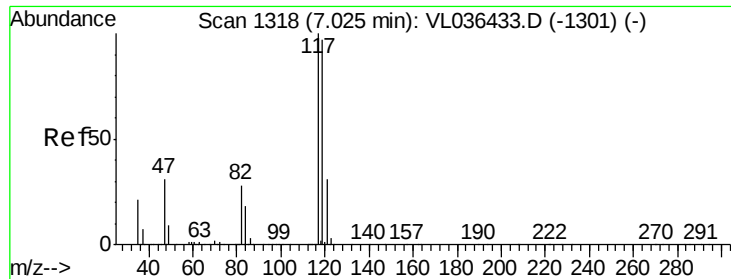
#34
 2-Butanone
 Concen: 8.835 ppbv
 RT: 5.25 min Scan# 767
 Delta R.T.: 0.00 min
 Lab File: VL036446.D
 Acq: 3 Mar 2021 19:52

Tgt Ion: 43 Resp: 2109798
 Ion Ratio Lower Upper
 43 100
 72 21.6 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: 9.063 ppbv

RT: 7.03

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 3 Mar 2021 19:52

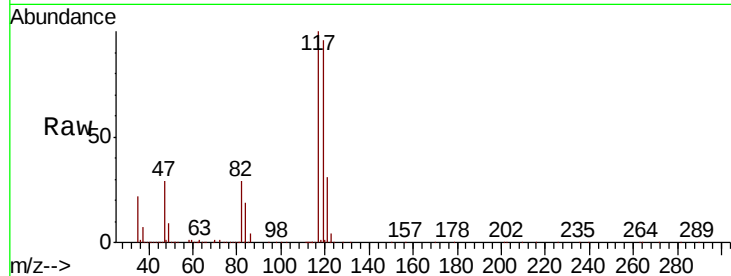
Tot Ion:117 Resp: 2320018

Ion Ratio Lower Upper

117 100

119 95.7 77.8 116.6

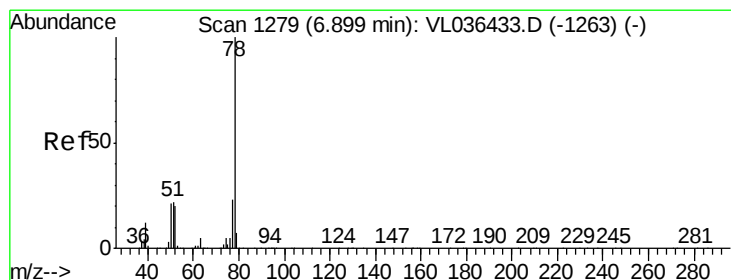
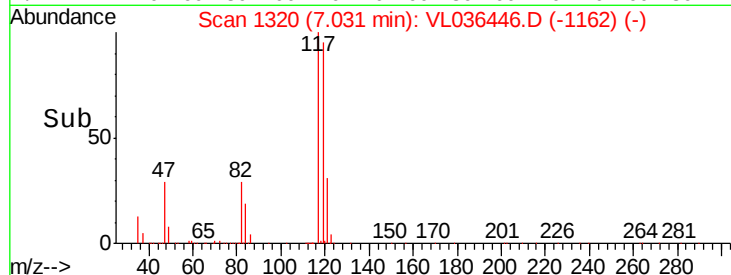
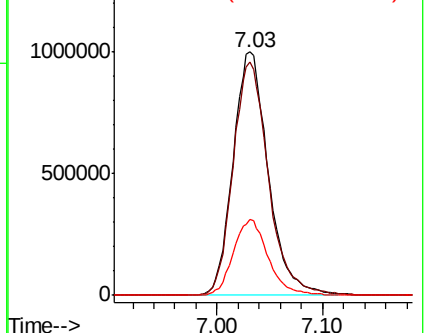
121 31.0 24.6 36.8



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: 9.510 ppbv

RT: 6.90 min Scan# 1280

Delta R.T. 0.00 min

Lab File: VL036446.D

Acq: 3 Mar 2021 19:52

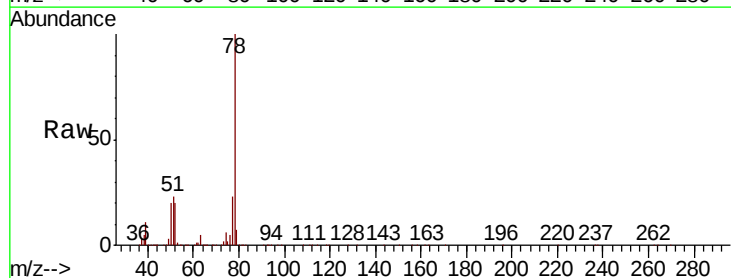
Tgt Ion: 78 Resp: 2923507

Ion Ratio Lower Upper

78 100

77 22.6 18.1 27.1

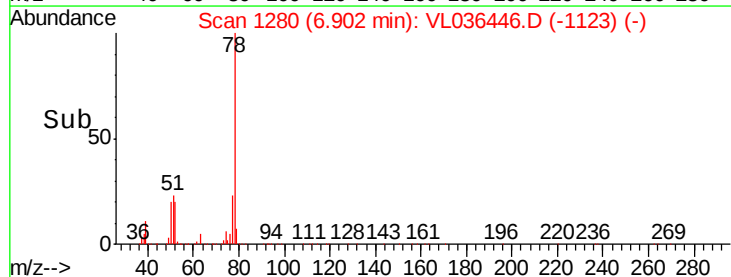
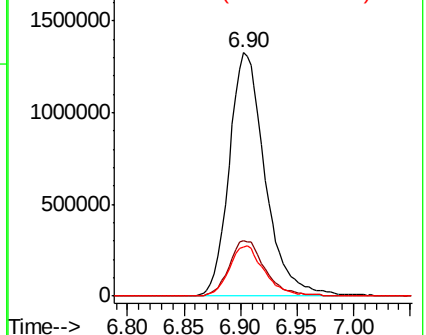
50 20.1 16.8 25.2

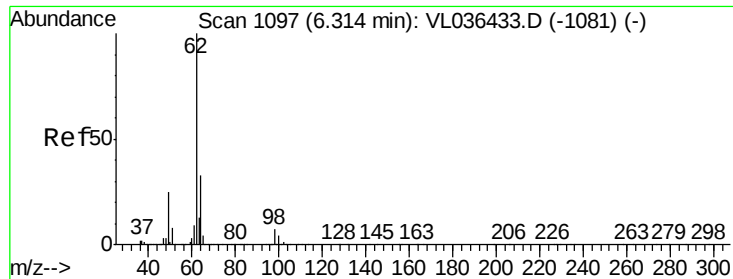


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

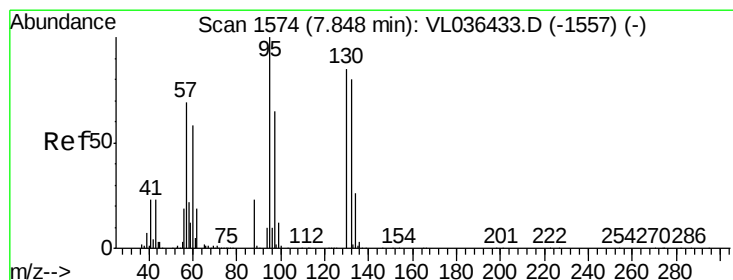
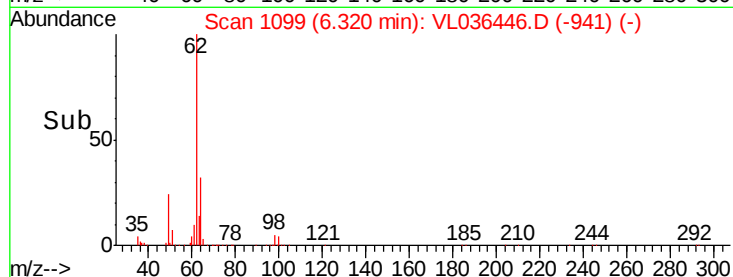
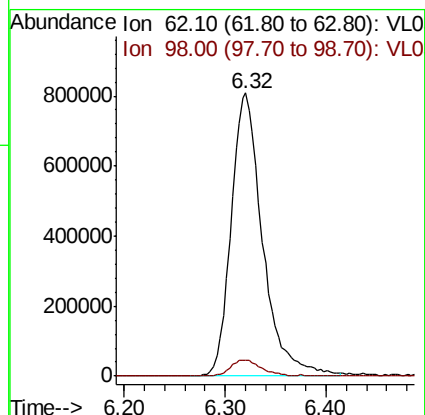
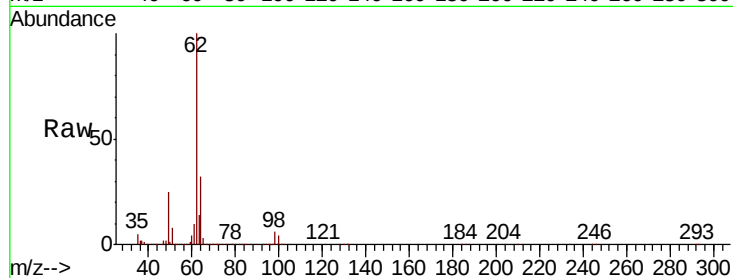
Ion 50.10 (49.80 to 50.80): VL0





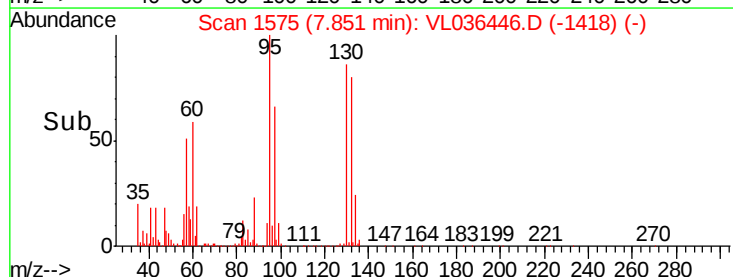
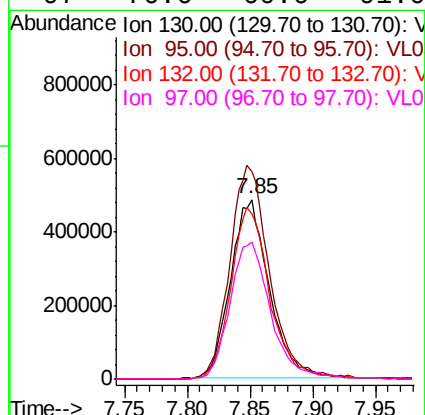
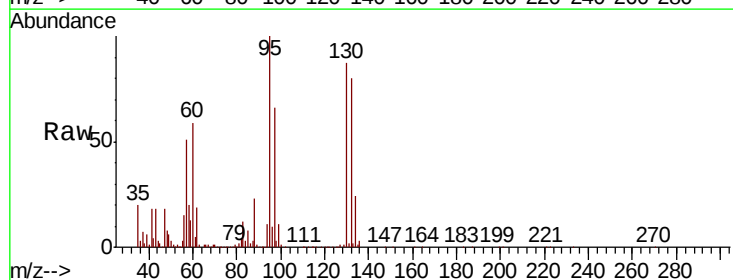
#37
 1,2-Dichloroethane
 Concen: 9.103 ppbv
 RT: 6.32
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 3 Mar 2021 19:52

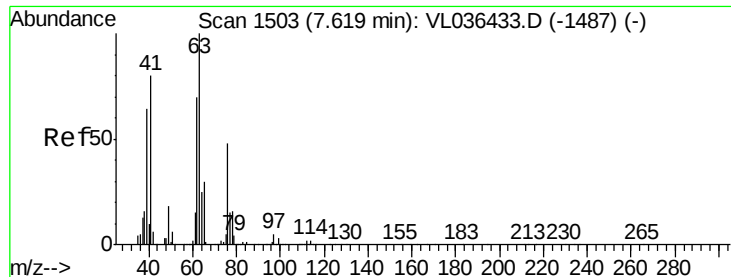
Tot Ion: 62 Resp: 1758448
 Ion Ratio Lower Upper
 62 100
 98 5.8 4.8 7.2



#38
 Trichloroethene
 Concen: 8.935 ppbv
 RT: 7.85 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VL036446.D
 Acq: 3 Mar 2021 19:52

Tgt Ion: 130 Resp: 1038068
 Ion Ratio Lower Upper
 130 100
 95 115.9 93.8 140.8
 132 92.3 74.6 112.0
 97 76.6 60.6 91.0





#39

1,2-Dichloropropane

Concen: 8.946 ppbv

RT: 7.63 Instrument: MSVOA_1

Delta R.T. 0.01 min

Lab File: ClientSampleId: VSTDCCC010EC

Acq: 3 Mar 2021 19:52

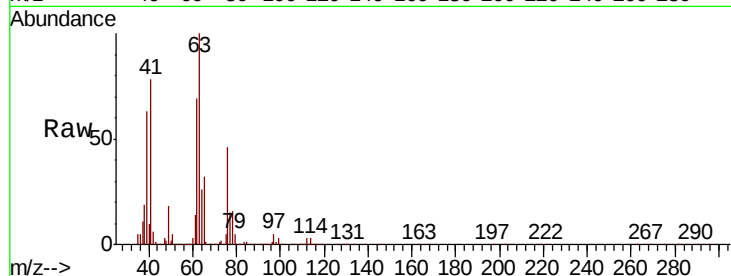
Tot Ion: 63 Resp: 1169450

Ion	Ratio	Lower	Upper
63	100		
41	78.0	64.4	96.6
62	69.4	55.7	83.5

63 100

41 78.0 64.4 96.6

62 69.4 55.7 83.5

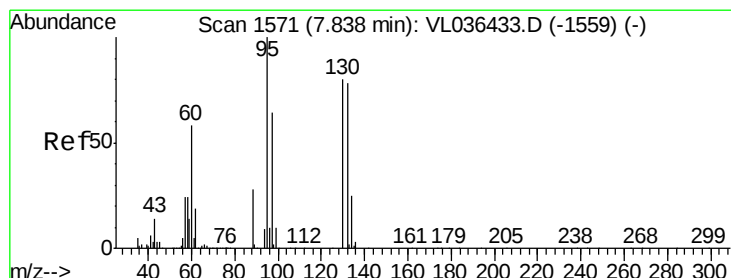
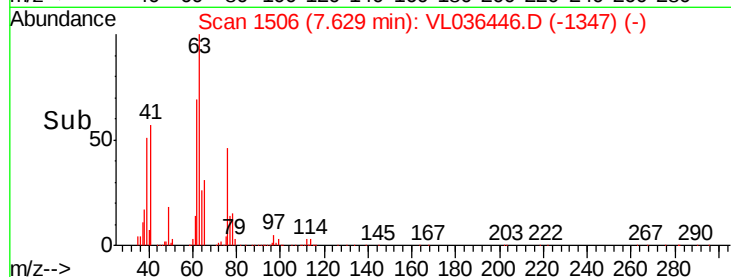
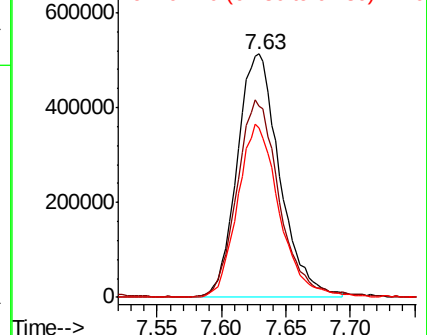


Abundance

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: 7.697 ppbv

RT: 7.84 min Scan# 1573

Delta R.T. 0.01 min

Lab File: VL036446.D

Acq: 3 Mar 2021 19:52

Tgt Ion: 88 Resp: 330284

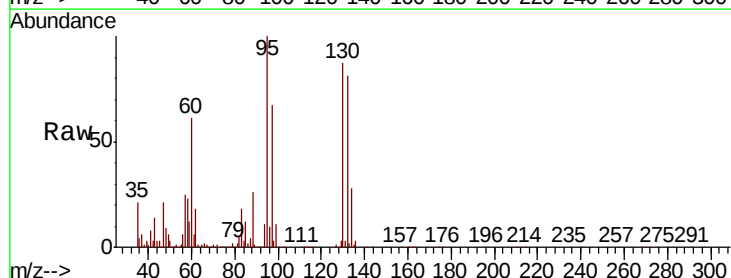
Ion	Ratio	Lower	Upper
88	100		
58	64.3	119.6	179.4#
43	0.0	254.2	381.4#
57	0.0	1044.0	1566.0#

88 100

58 64.3 119.6 179.4#

43 0.0 254.2 381.4#

57 0.0 1044.0 1566.0#



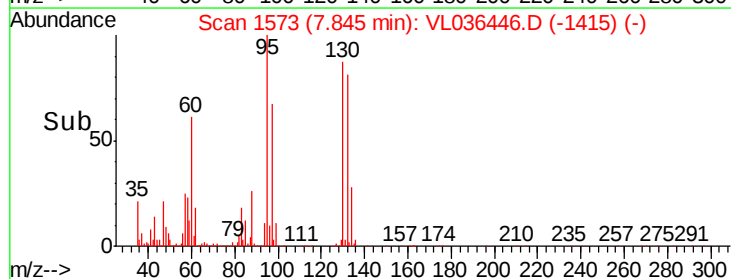
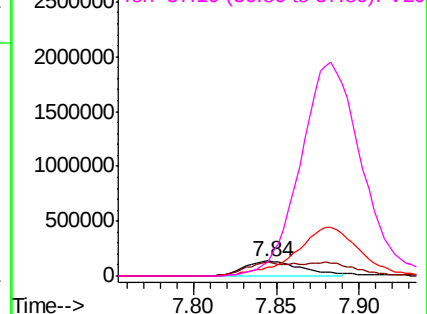
Abundance

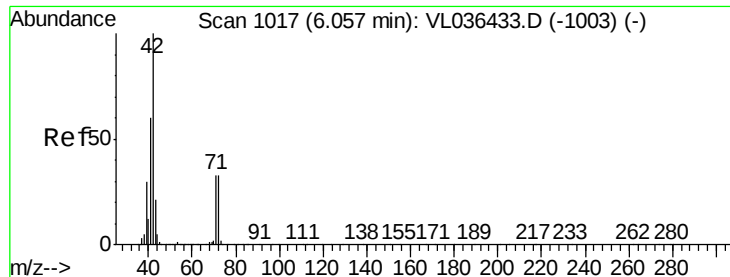
Ion 88.10 (87.80 to 88.80): VL0

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: 9.592 ppbv

RT: 6.06 Instrument: MSVOA_1

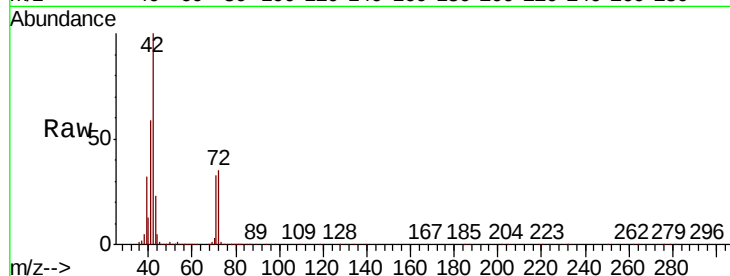
Delta R.T. 0.01 min

Lab File: ClientSampleId: VSTDCCC010EC

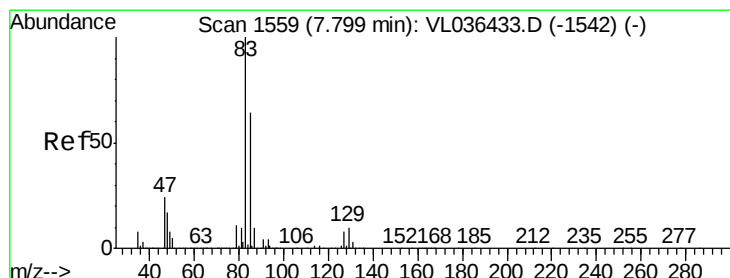
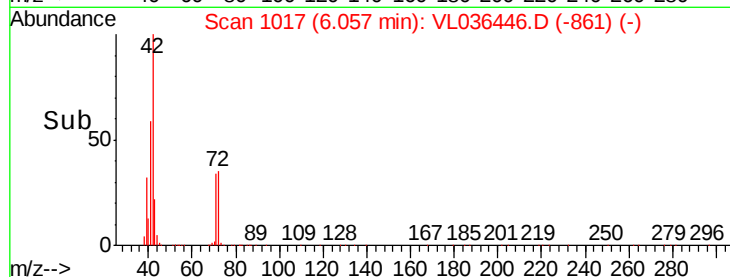
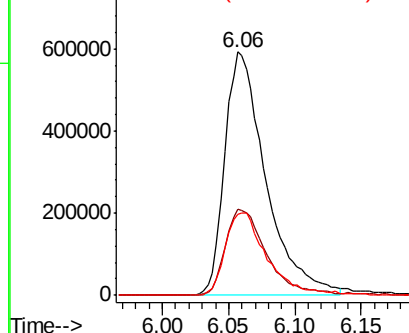
Acq: 3 Mar 2021 19:52

Tot Ion: 42 Resp: 1277592

Ion	Ratio	Lower	Upper
42	100		
72	36.4	28.1	42.1
71	34.7	27.6	41.4



Abundance Ion 42.10 (41.80 to 42.80): VL0
Ion 72.10 (71.80 to 72.80): VL0
Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 9.330 ppbv

RT: 7.81 min Scan# 1561

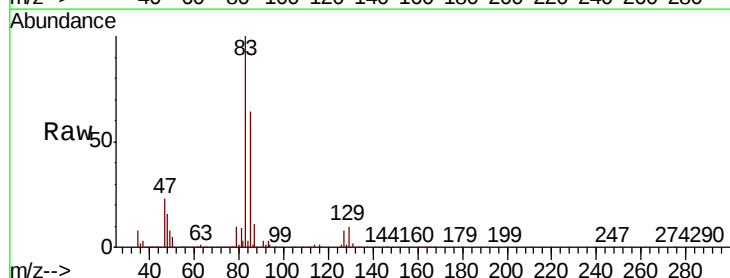
Delta R.T. 0.01 min

Lab File: VL036446.D

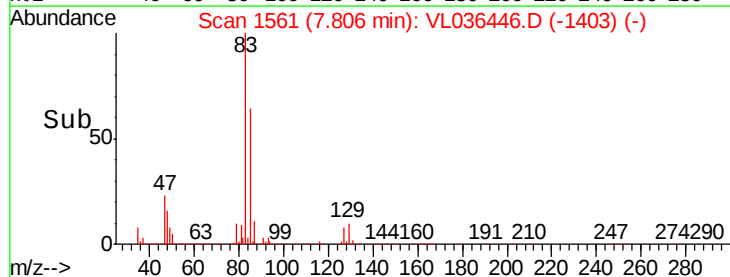
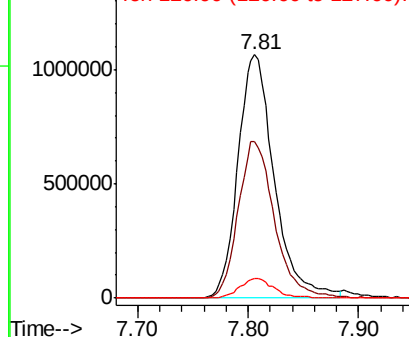
Acq: 3 Mar 2021 19:52

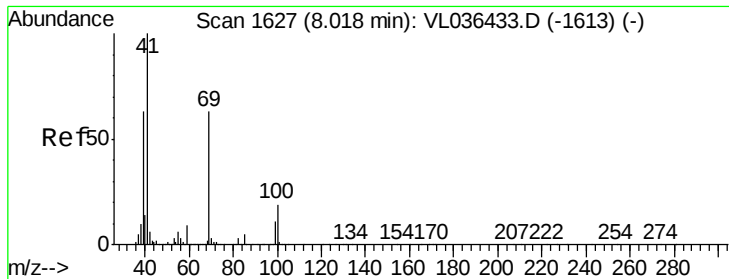
Tgt Ion: 83 Resp: 2435641

Ion	Ratio	Lower	Upper
83	100		
85	64.1	51.2	76.8
127	8.1	6.0	9.0



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0
Ion 126.90 (126.60 to 127.60): V





#43

Methyl Methacrylate

Concen: 10.229 ppbv

RT: 8.02

Instrument: MSVOA_1

Delta R.T.:

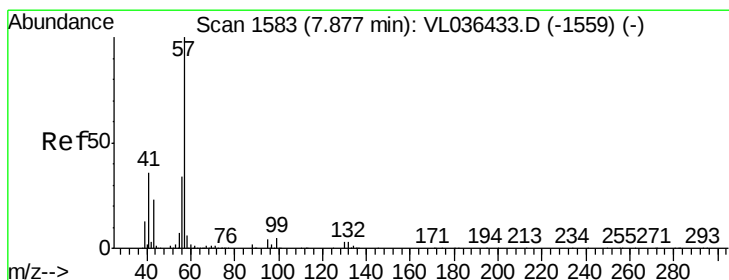
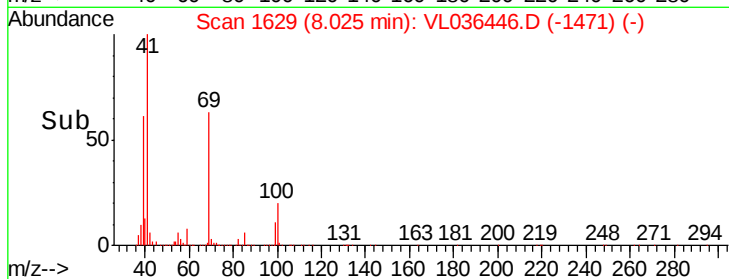
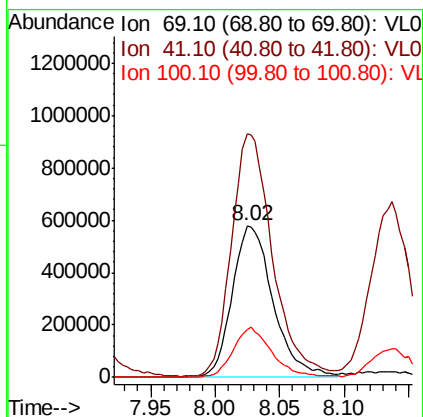
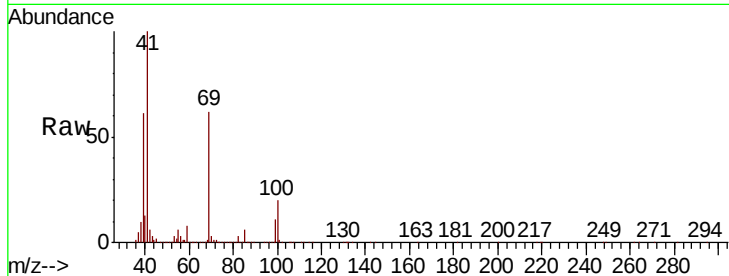
Client Sample ID:

Lab File: VSTDCCC010EC

Acq: 3 Mar 2021 19:52

Tot Ion: 69 Resp: 1273610

Ion	Ratio	Lower	Upper
69	100		
41	161.2	127.6	191.4
100	31.2	24.6	37.0



#44

2,2,4-Trimethylpentane

Concen: 8.980 ppbv

RT: 7.88 min Scan# 1585

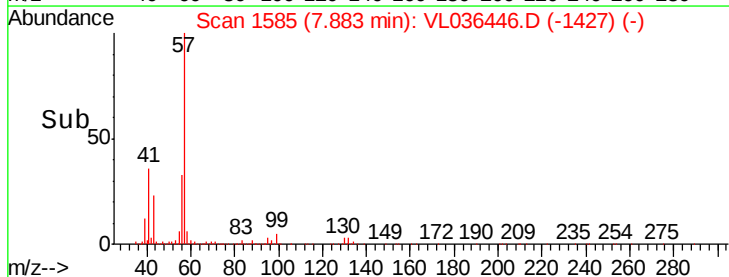
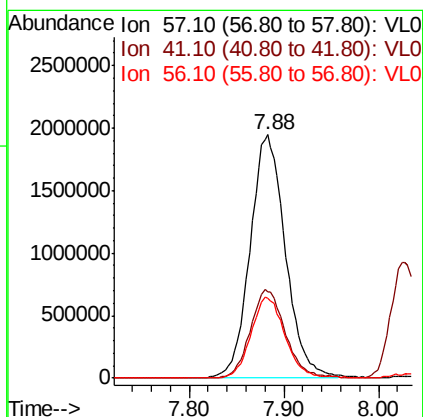
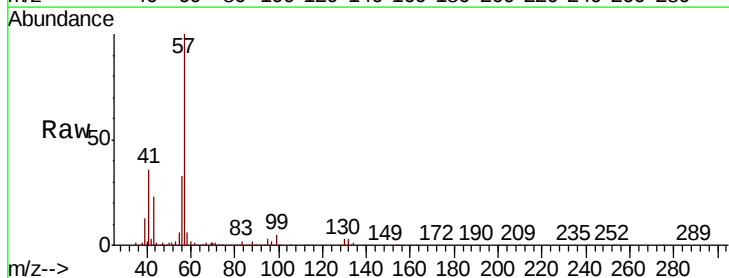
Delta R.T. 0.01 min

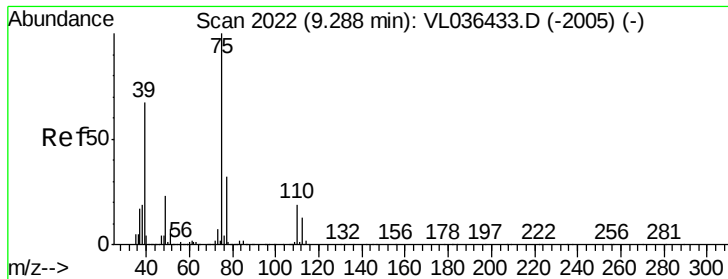
Lab File: VL036446.D

Acq: 3 Mar 2021 19:52

Tgt Ion: 57 Resp: 5033818

Ion	Ratio	Lower	Upper
57	100		
41	35.8	28.2	42.2
56	32.2	25.9	38.9





#45

t-1,3-Dichloropropene

Concen: 11.176 ppbv

RT: 9.29 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

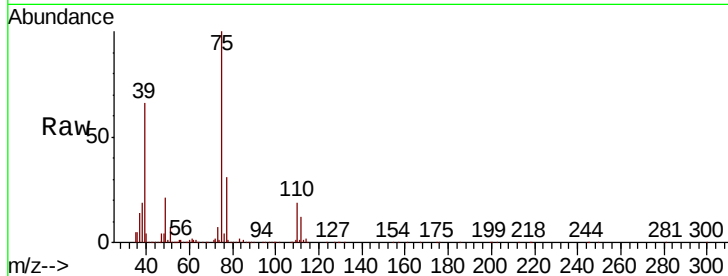
Acq: 3 Mar 2021 19:52 VSTDCCC010EC

Tot Ion: 75 Resp: 1354208

Ion Ratio Lower Upper

75 100

77 31.0 25.4 38.2



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

9.29

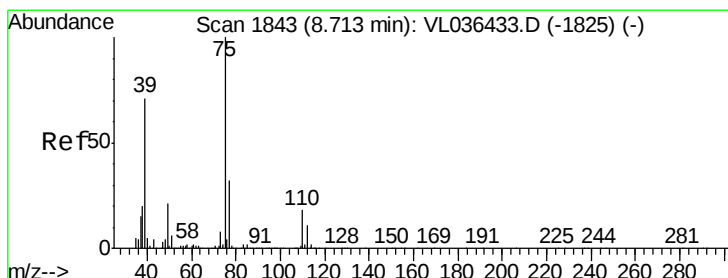
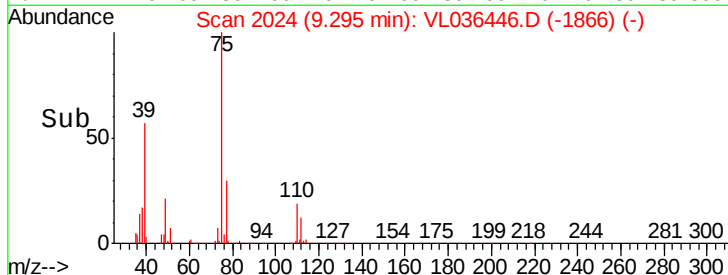
600000

400000

200000

0

Time-->



#46

cis-1,3-Dichloropropene

Concen: 10.540 ppbv

RT: 8.72 min Scan# 1845

Delta R.T. 0.01 min

Lab File: VL036446.D

Acq: 3 Mar 2021 19:52

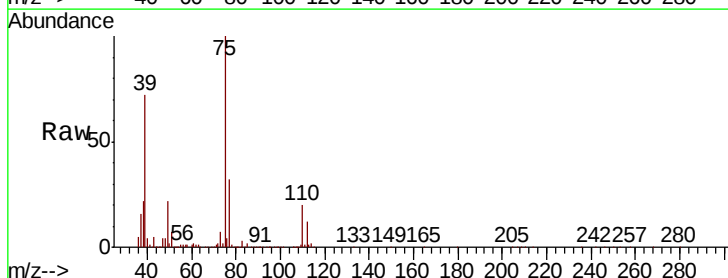
Tgt Ion: 75 Resp: 1667309

Ion Ratio Lower Upper

75 100

39 71.7 57.1 85.7

77 32.5 25.3 37.9



Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

1000000

800000

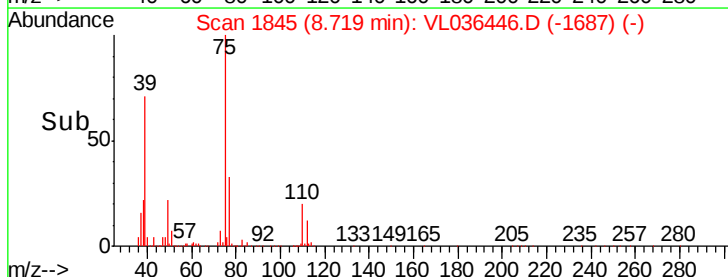
600000

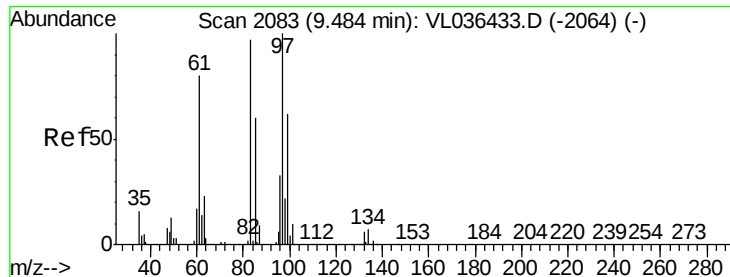
400000

200000

0

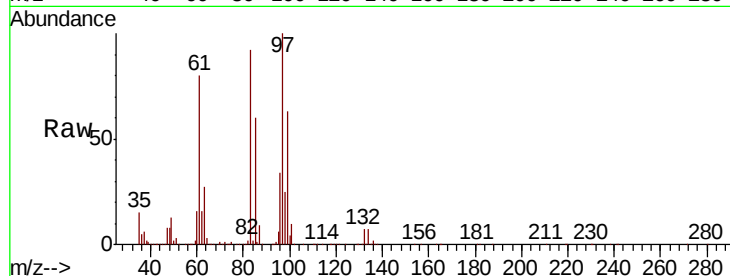
Time-->



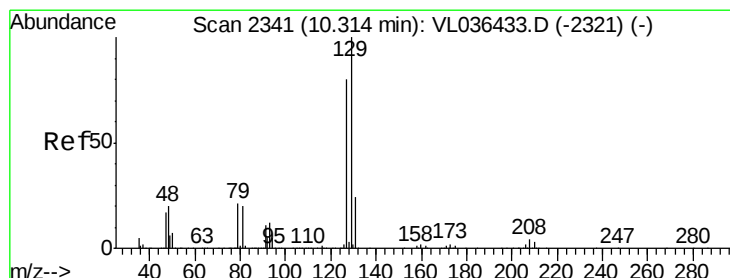
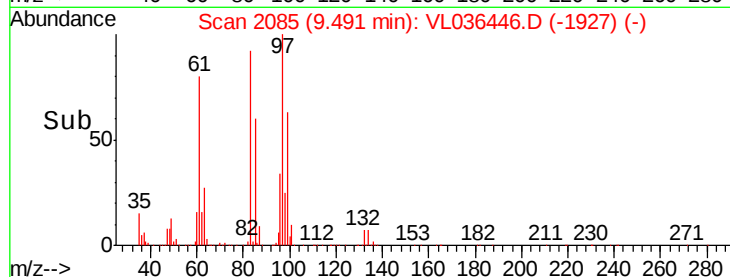
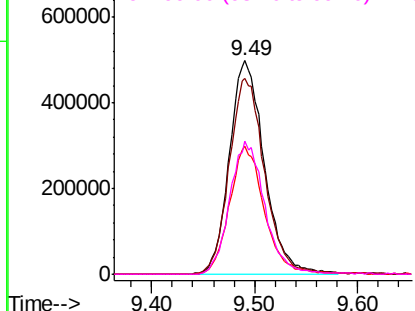


#47
 1,1,2-Trichloroethane
 Concen: 9.039 ppbv
 RT: 9.49
 Instrument: MSVOA_1
 Delta R.T.:
 ClientSampleId:
 Lab File: VSTDCCC010EC
 Acq: 3 Mar 2021 19:52

Tot Ion:	97	Resp:	1177925
Ion	Ratio	Lower	Upper
97	100		
83	91.7	77.8	116.8
85	59.8	47.6	71.4
99	62.5	49.6	74.4

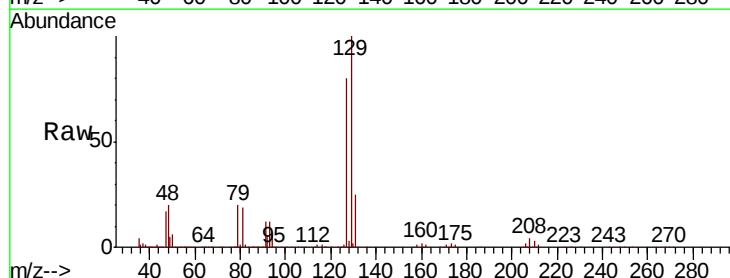


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

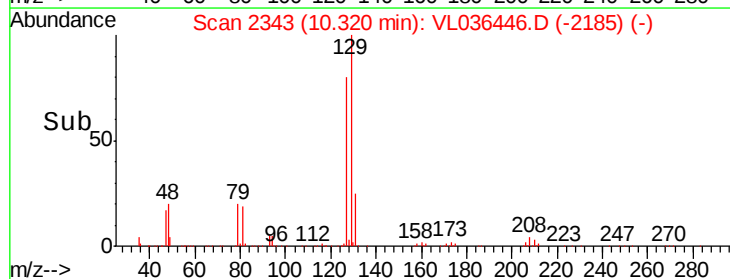
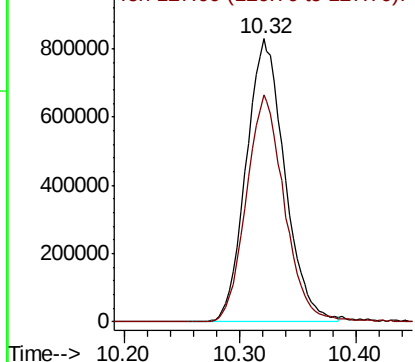


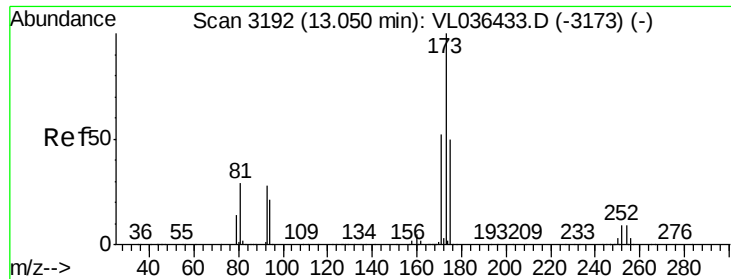
#48
 Dibromochloromethane
 Concen: 9.727 ppbv
 RT: 10.32 min Scan# 2343
 Delta R.T.: 0.01 min
 Lab File: VL036446.D
 Acq: 3 Mar 2021 19:52

Tgt Ion:	129	Resp:	1919532
Ion	Ratio	Lower	Upper
129	100		
127	79.7	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: 9.410 ppbv

RT: 13.06

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 3 Mar 2021 19:52

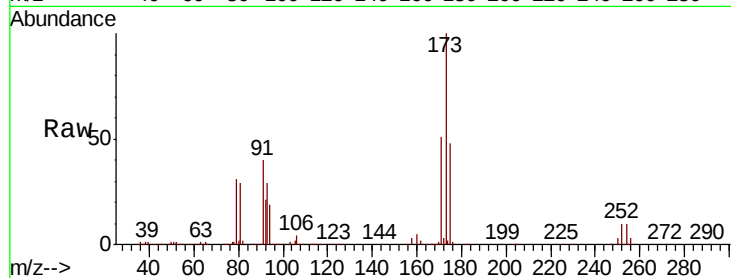
Tot Ion:173 Resp: 1519118

Ion Ratio Lower Upper

173 100

175 50.7 40.7 61.1

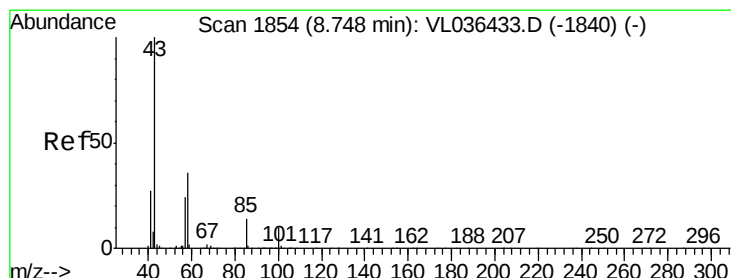
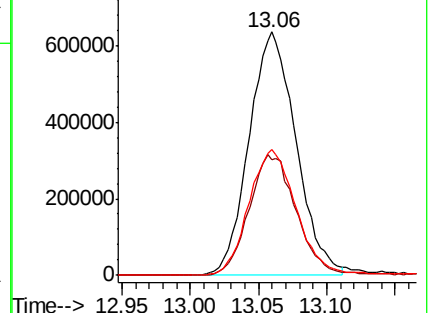
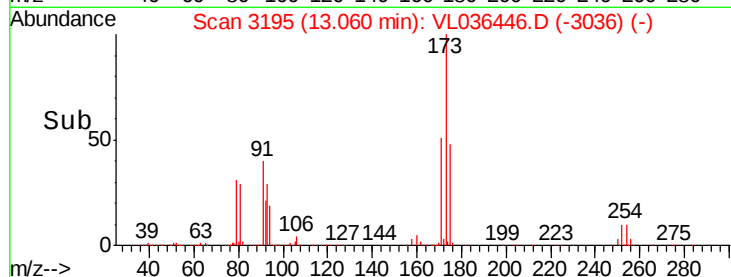
171 52.9 43.0 64.4



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: 9.763 ppbv

RT: 8.75 min Scan# 1856

Delta R.T. 0.01 min

Lab File: VL036446.D

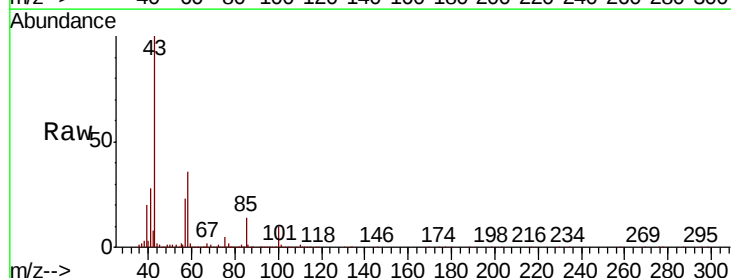
Acq: 3 Mar 2021 19:52

Tgt Ion: 43 Resp: 3394487

Ion Ratio Lower Upper

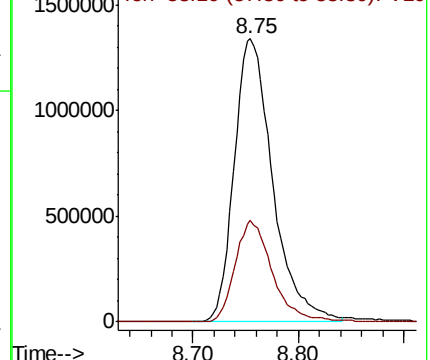
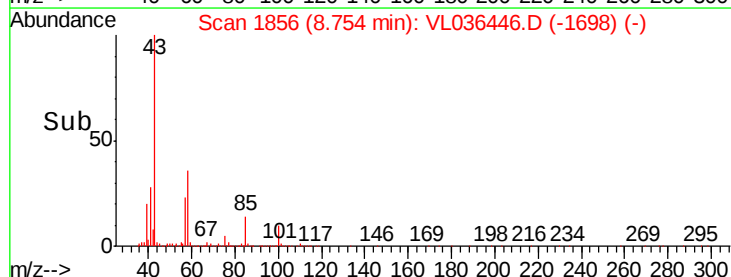
43 100

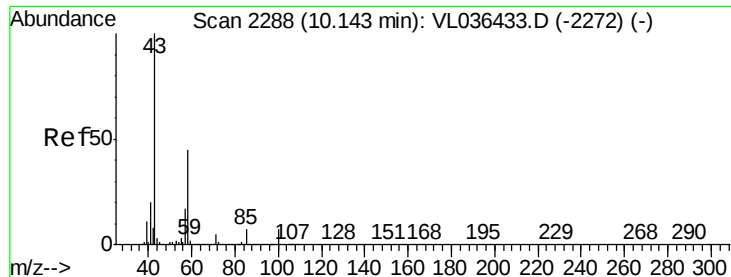
58 35.1 27.8 41.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

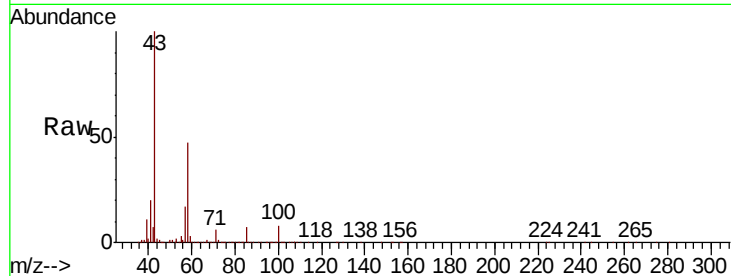
Ion 58.10 (57.80 to 58.80): VL0



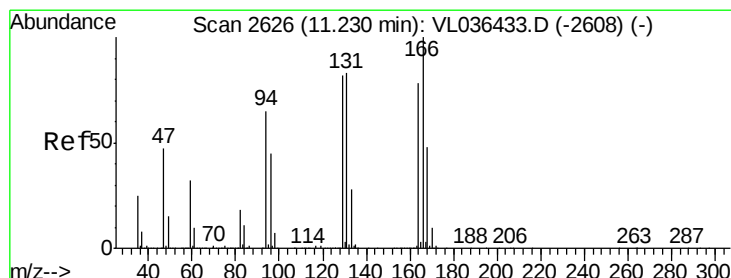
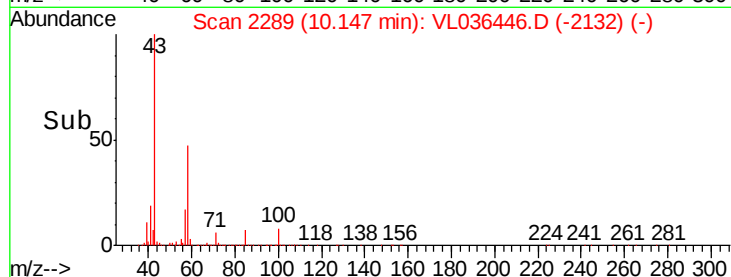
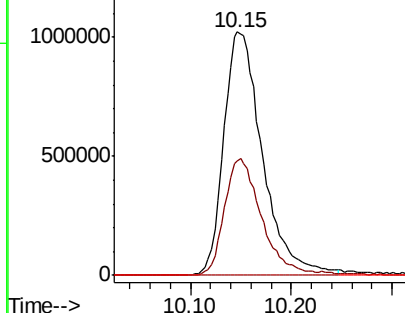


#51
2-Hexanone
Concen: 10.383 ppbv
RT: 10.15
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 3 Mar 2021 19:52

Tot Ion: 43 Resp: 2729063
Ion Ratio Lower Upper
43 100
58 46.9 37.8 56.8
98 0.6 0.2 0.4#

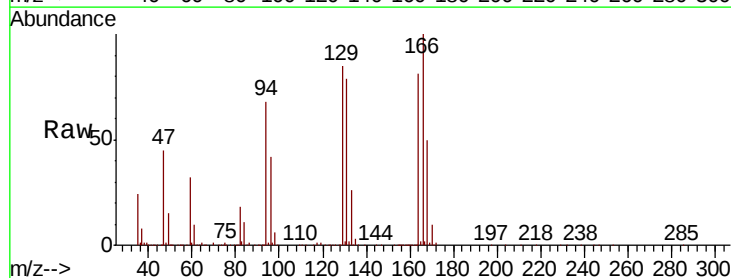


Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0

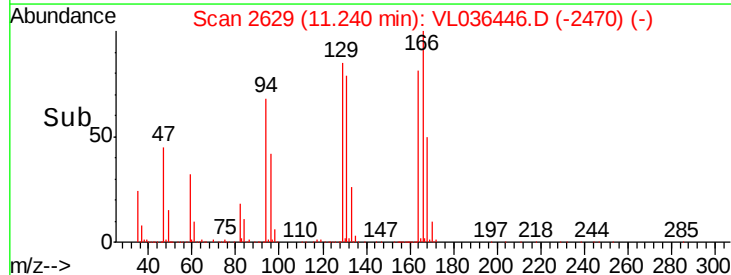
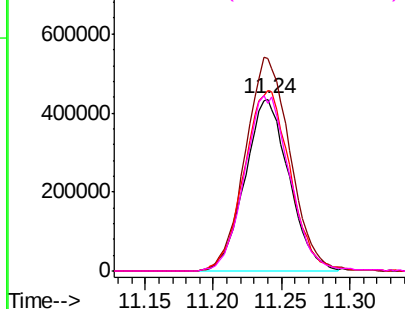


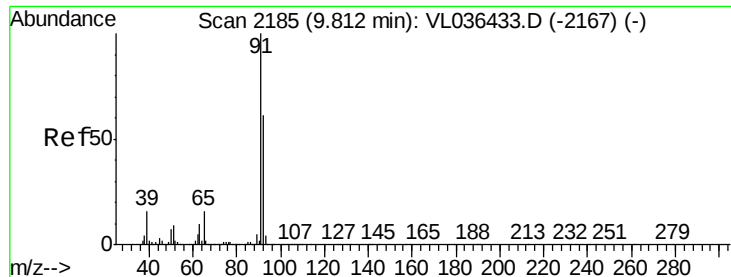
#52
Tetrachloroethene
Concen: 8.440 ppbv
RT: 11.24 min Scan# 2629
Delta R.T. 0.01 min
Lab File: VL036446.D
Acq: 3 Mar 2021 19:52

Tgt Ion: 164 Resp: 973106
Ion Ratio Lower Upper
164 100
166 123.4 102.0 153.0
129 104.9 83.3 124.9
131 97.3 84.4 126.6



Abundance Ion 163.90 (163.60 to 164.60): V
Ion 165.90 (165.60 to 166.60): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 9.851 ppbv

RT: 9.82 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

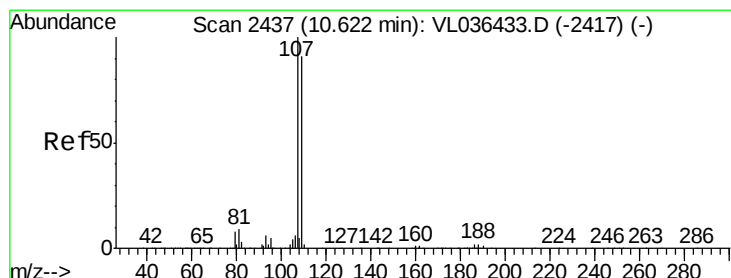
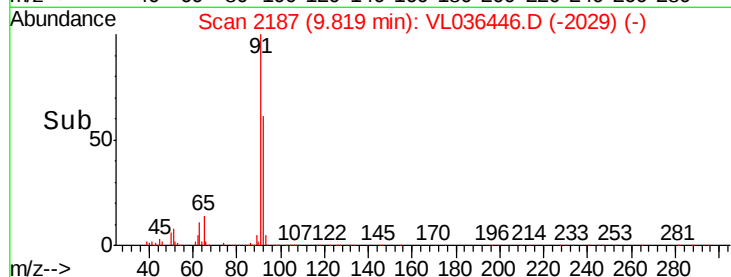
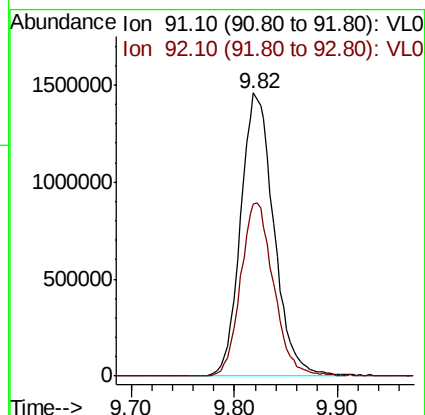
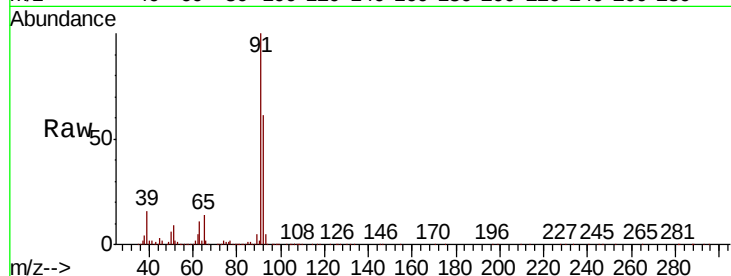
Acq: 3 Mar 2021 19:52 VSTDCCC010EC

Tot Ion: 91 Resp: 3261609

Ion Ratio Lower Upper

91 100

92 61.2 49.0 73.6



#54

1,2-Dibromoethane

Concen: 9.139 ppbv

RT: 10.62 min Scan# 2437

Delta R.T. 0.00 min

Lab File: VL036446.D

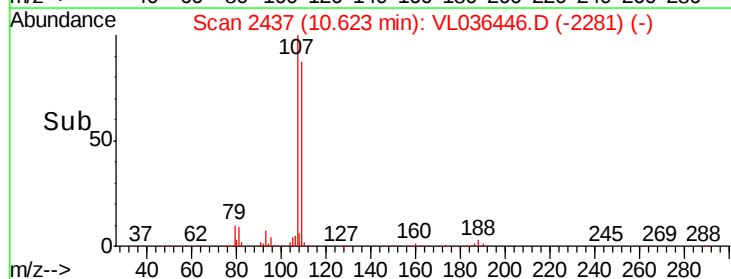
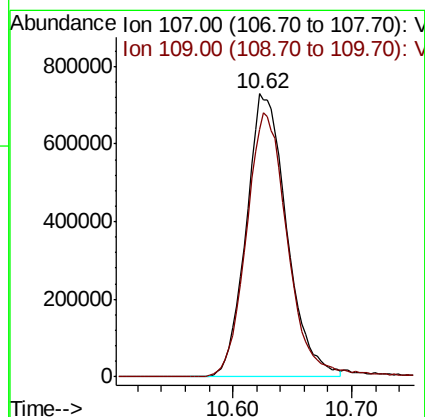
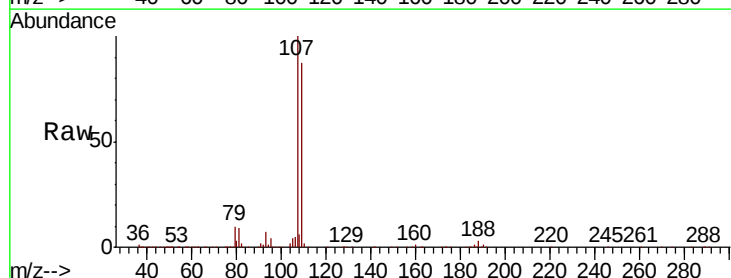
Acq: 3 Mar 2021 19:52

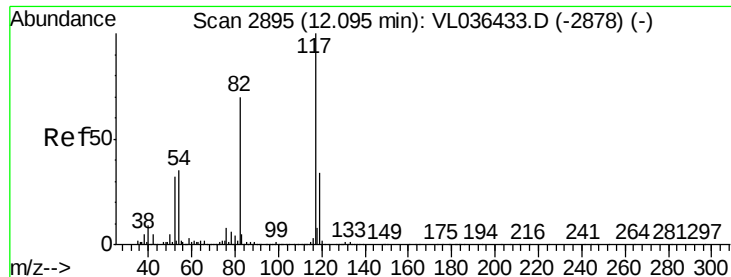
Tgt Ion: 107 Resp: 1719264

Ion Ratio Lower Upper

107 100

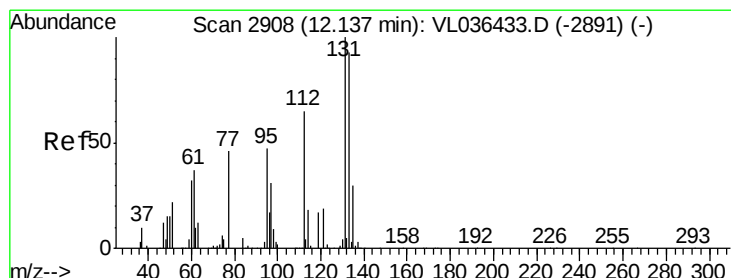
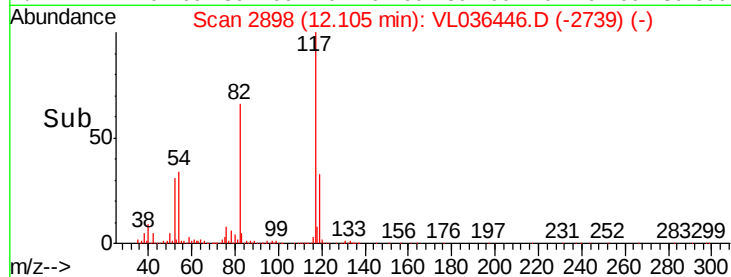
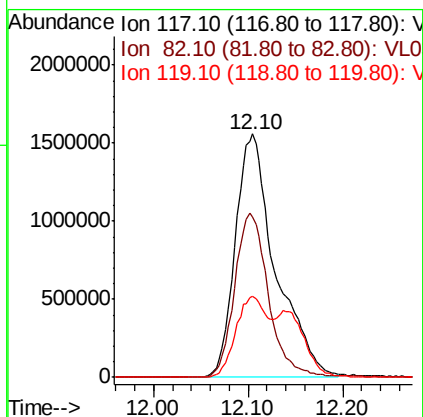
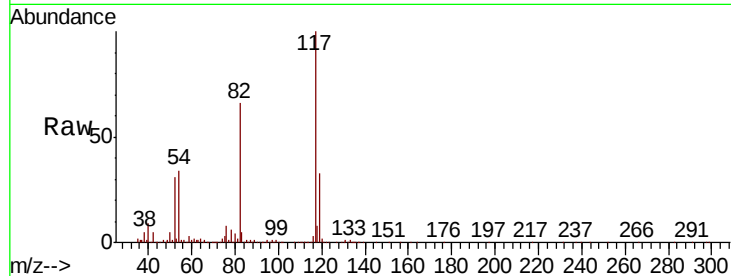
109 87.4 73.0 109.6





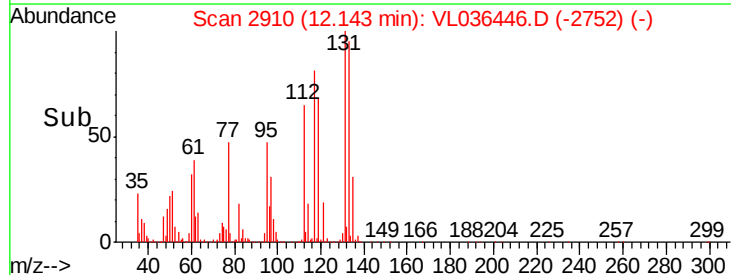
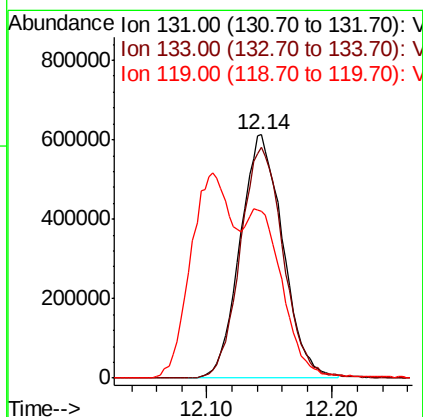
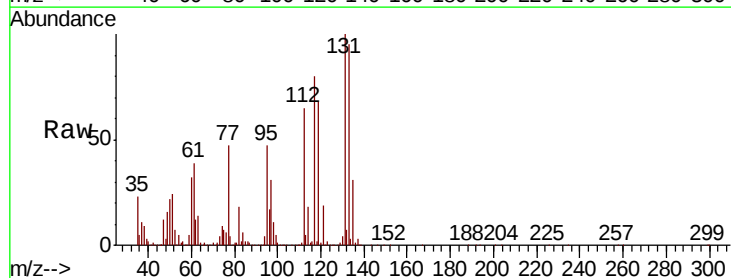
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min
Instrument: MSVOA_1
Delta R.T.: 0.01 min
Lab File: ClientSampleId : VSTDCCC010EC
Acq: 3 Mar 2021 19:52

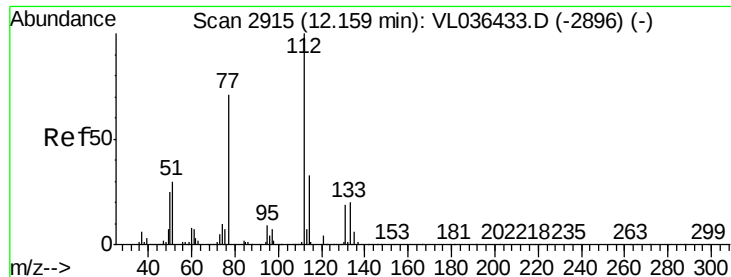
Tot Ion:117 Resp: 4598389
Ion Ratio Lower Upper
117 100
82 57.7 56.5 84.7
119 27.3 27.0 40.4



#56
1,1,1,2-Tetrachloroethane
Concen: 7.095 ppbv
RT: 12.14 min Scan# 2910
Delta R.T.: 0.01 min
Lab File: VL036446.D
Acq: 3 Mar 2021 19:52

Tgt Ion:131 Resp: 1445876
Ion Ratio Lower Upper
131 100
133 96.1 76.4 114.6
119 59.2 112.8 169.2#





#57

Chlorobenzene

Concen: 7.079 ppbv

RT: 12.17

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 3 Mar 2021 19:52

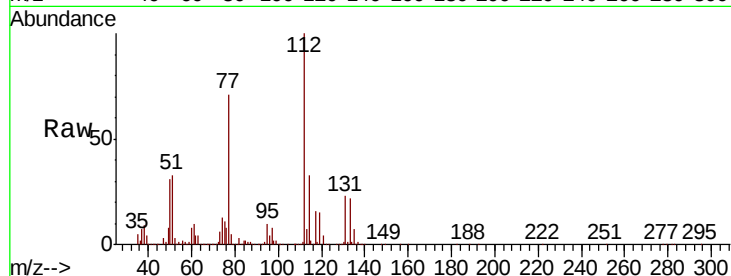
Tot Ion: 112 Resp: 2351145

Ion Ratio Lower Upper

112 100

77 69.3 57.6 86.4

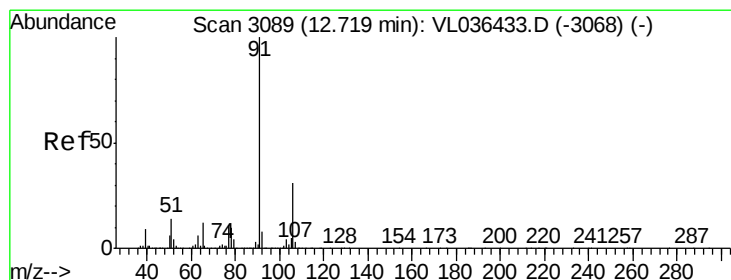
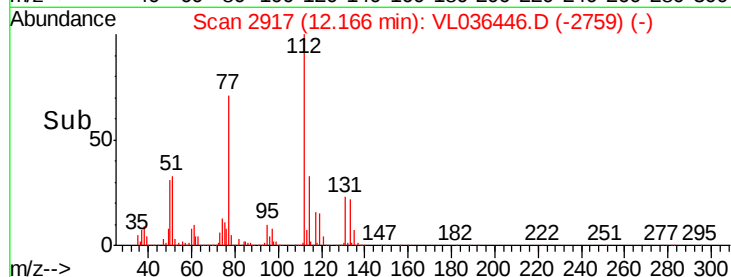
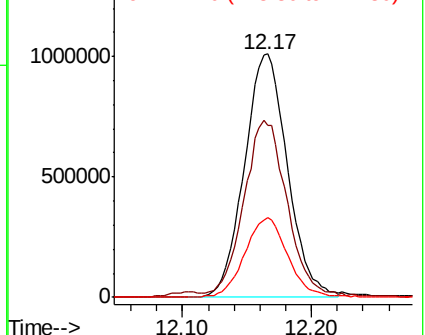
114 32.8 29.5 36.1



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: 7.637 ppbv

RT: 12.73 min Scan# 3092

Delta R.T. 0.01 min

Lab File: VL036446.D

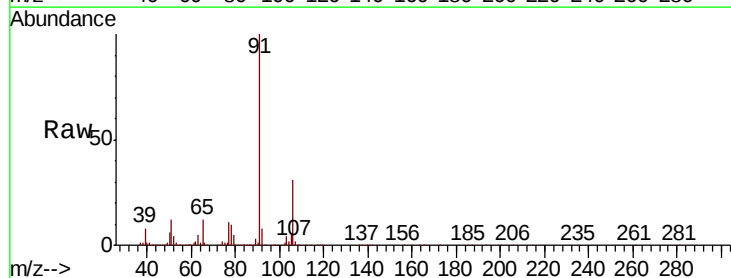
Acq: 3 Mar 2021 19:52

Tgt Ion: 91 Resp: 4363627

Ion Ratio Lower Upper

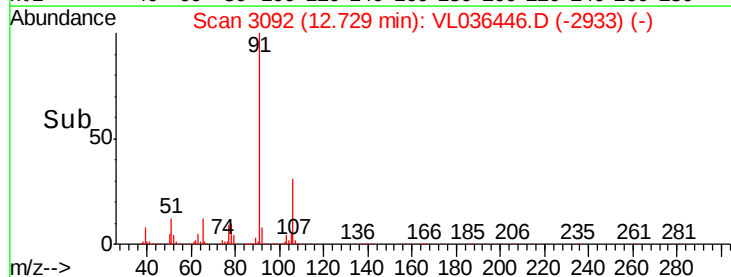
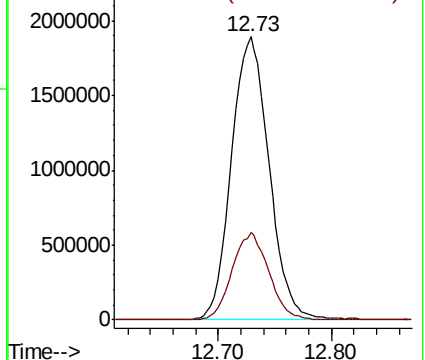
91 100

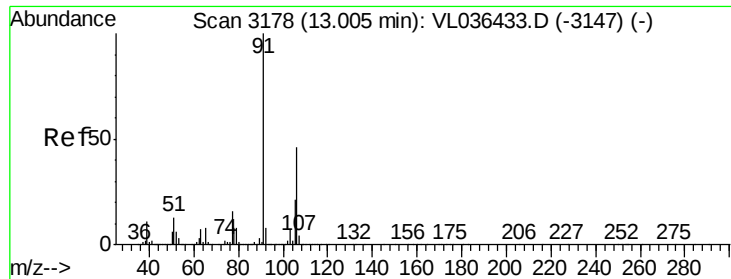
106 31.0 24.8 37.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

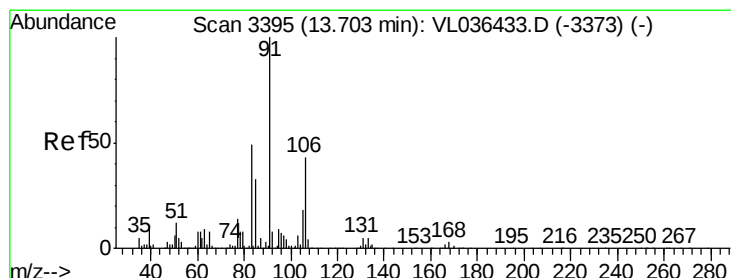
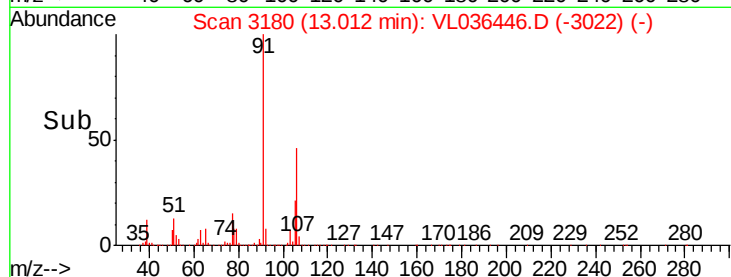
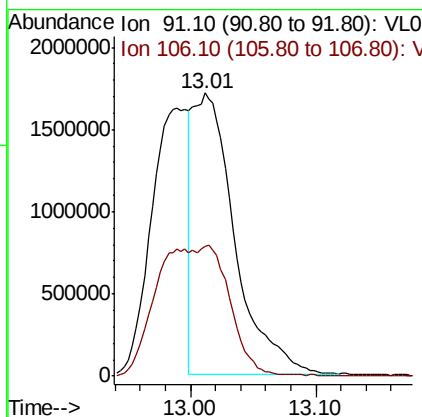
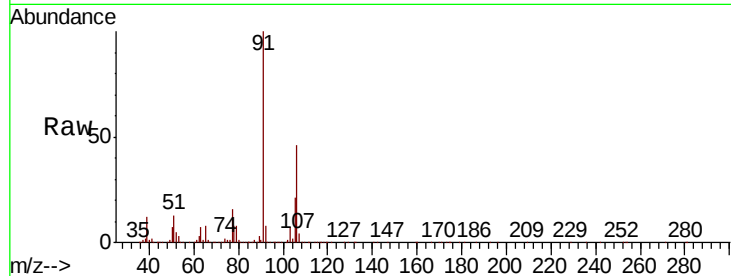
Ion 106.10 (105.80 to 106.80): V





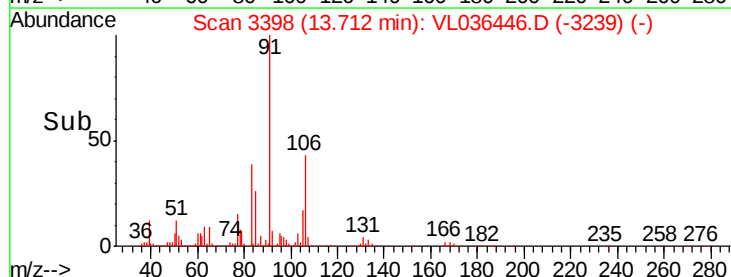
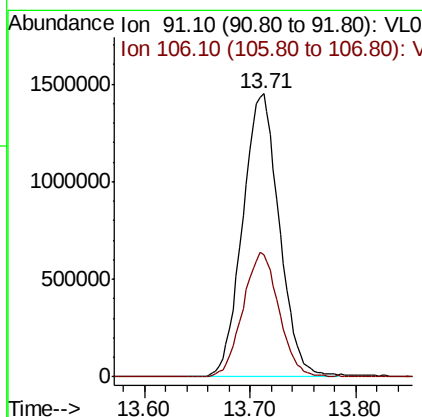
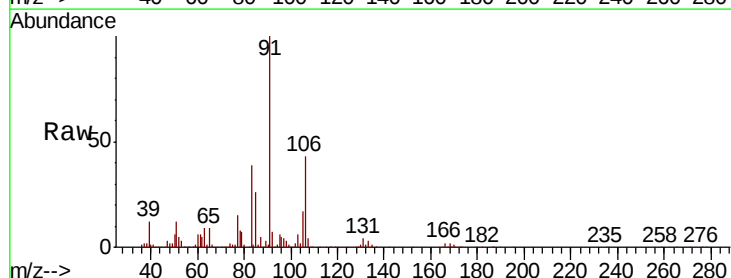
#59
m/p-Xylene
Concen: 7.846 ppbv
RT: 13.01 min
Delta R.T. 0.01 min
Lab File: VSTDCCC010EC
Acq: 3 Mar 2021 19:52

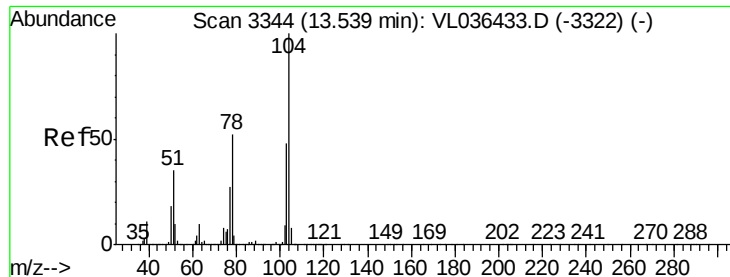
Tot Ion: 91 Resp: 3963741
Ion Ratio Lower Upper
91 100
106 81.5 35.0 52.4#



#60
o-Xylene
Concen: 7.213 ppbv
RT: 13.71 min Scan# 3398
Delta R.T. 0.01 min
Lab File: VL036446.D
Acq: 3 Mar 2021 19:52

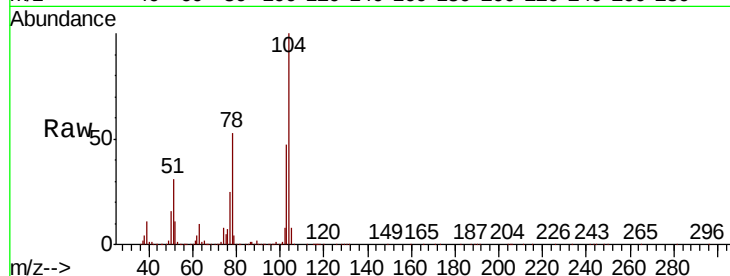
Tgt Ion: 91 Resp: 3500628
Ion Ratio Lower Upper
91 100
106 43.4 21.9 65.8



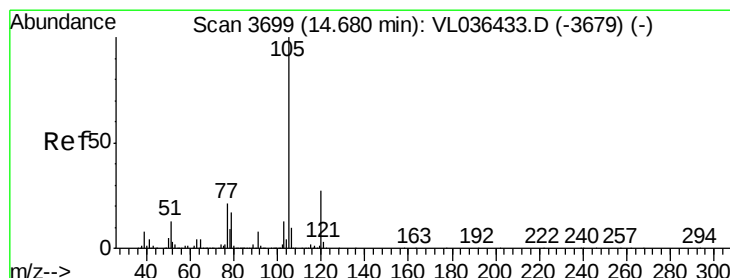
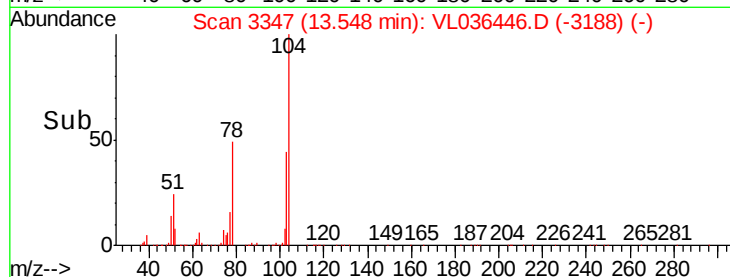
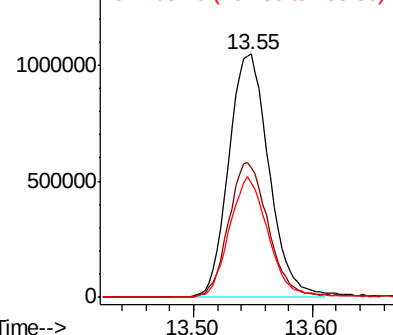


#61
Stvrene
Concen: 8.319 ppbv
RT: 13.55
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
VSTDCCC010EC
Acq: 3 Mar 2021 19:52

Tot Ion:104 Resp: 2455056
Ion Ratio Lower Upper
104 100
78 54.9 44.2 66.4
103 47.7 38.6 57.8

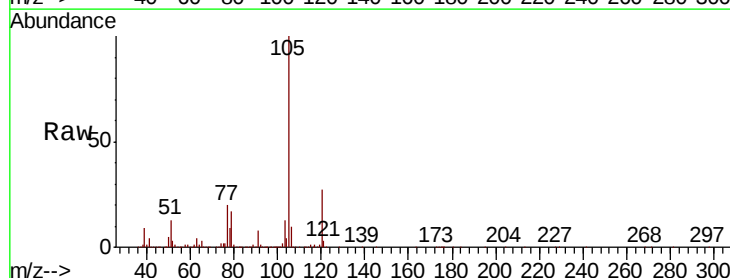


Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VL0
Ion 103.10 (102.80 to 103.80): V

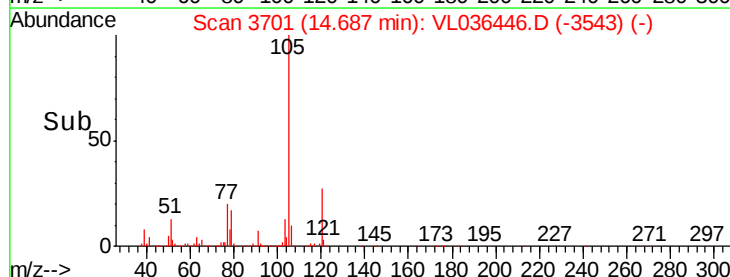
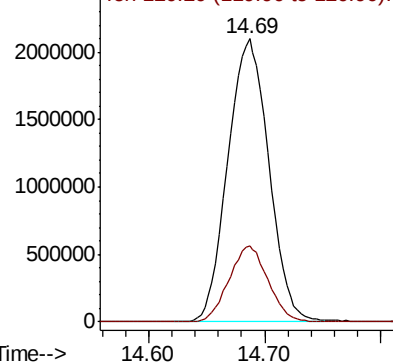


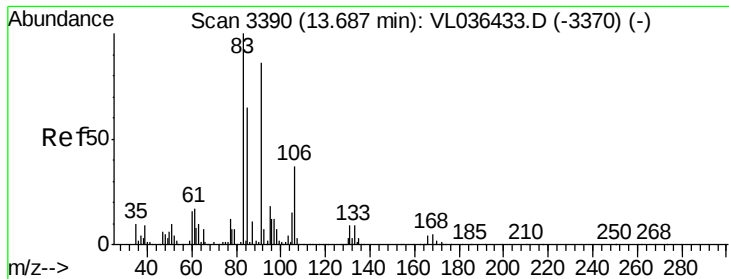
#62
Isopropylbenzene
Concen: 7.045 ppbv
RT: 14.69 min Scan# 3701
Delta R.T. 0.01 min
Lab File: VL036446.D
Acq: 3 Mar 2021 19:52

Tgt Ion:105 Resp: 5154670
Ion Ratio Lower Upper
105 100
120 25.8 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: 6.154 ppbv

RT: 13.69 min

Delta R.T. 0.01 min

Lab File: VSTDCC010EC

Acq: 3 Mar 2021 19:52

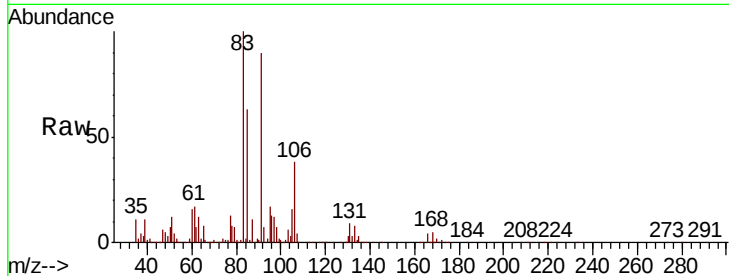
Tot Ion: 83 Resp: 2334942

Ion Ratio Lower Upper

83 100

131 9.3 4.5 13.7

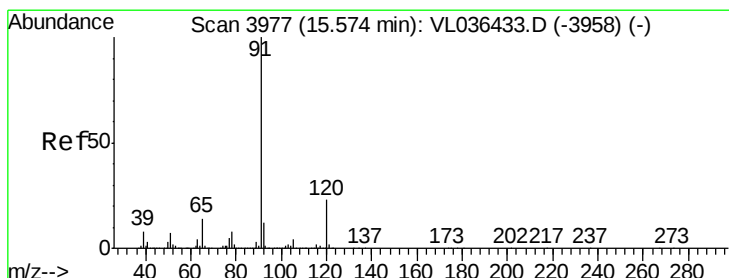
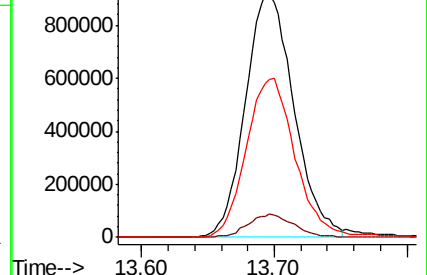
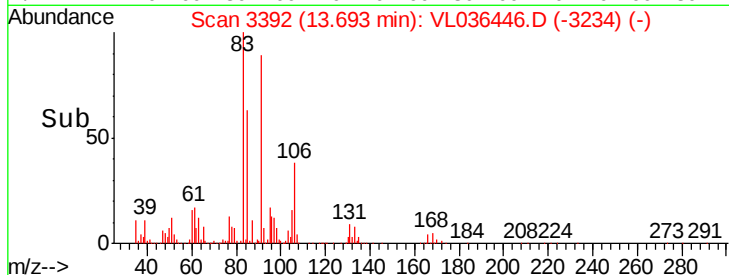
85 66.8 32.9 98.6



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 7.288 ppbv

RT: 15.58 min Scan# 3979

Delta R.T. 0.01 min

Lab File: VL036446.D

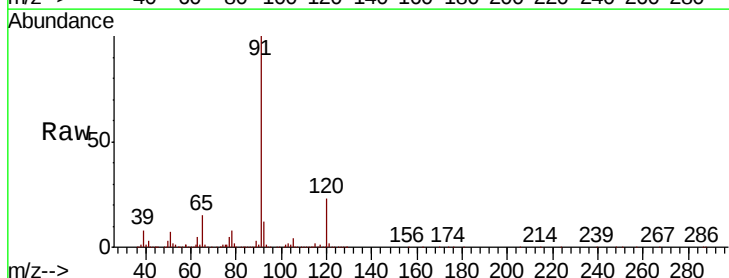
Acq: 3 Mar 2021 19:52

Tgt Ion: 120 Resp: 1332133

Ion Ratio Lower Upper

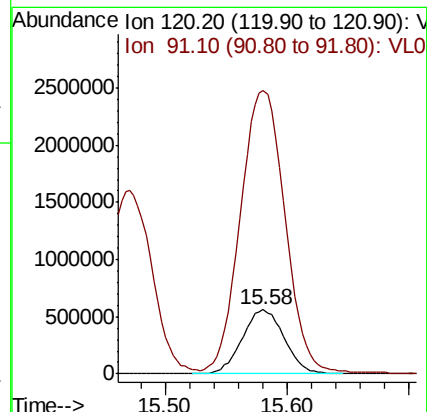
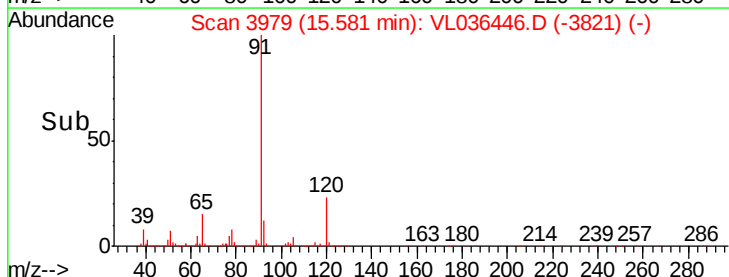
120 100

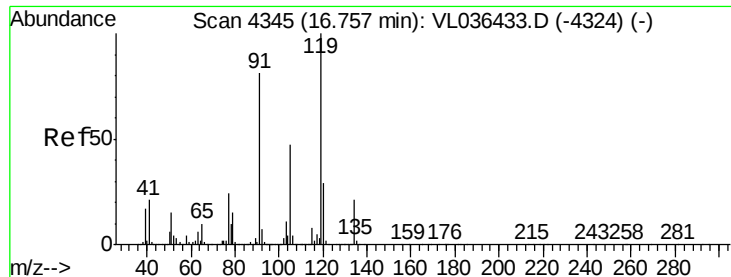
91 472.6 378.6 567.8



Abundance Ion 120.20 (119.90 to 120.90): VL0

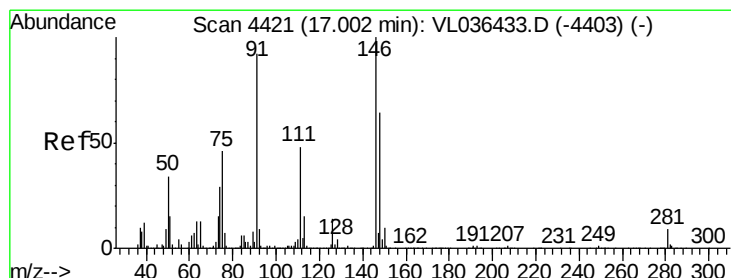
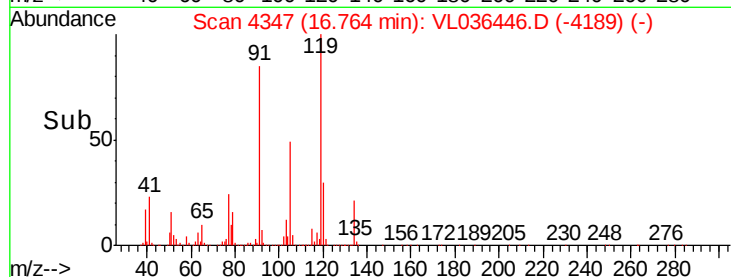
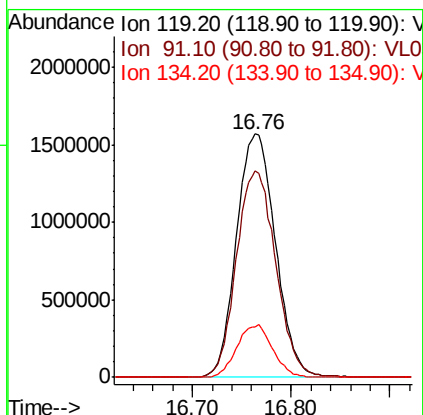
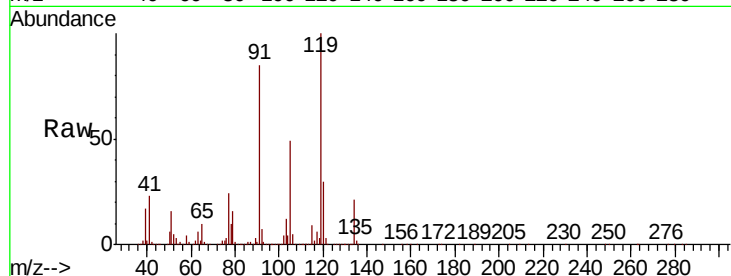
Ion 91.10 (90.80 to 91.80): VL0





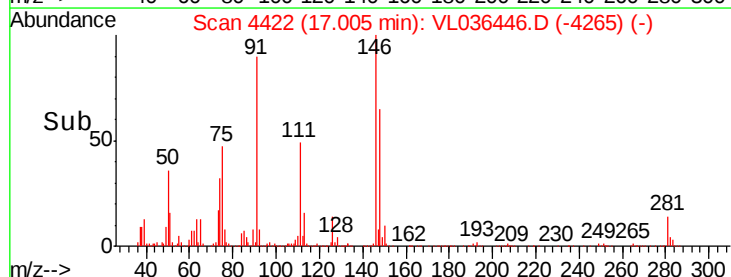
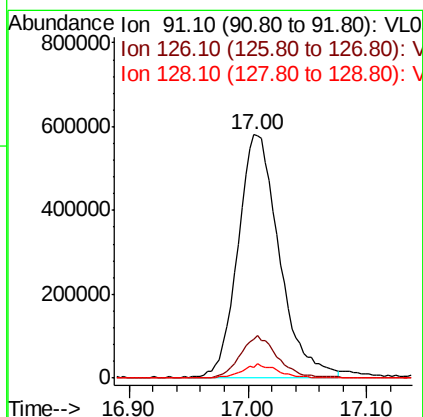
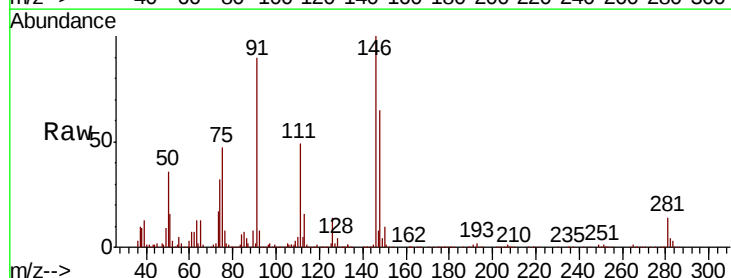
#65
tert-Butylbenzene
Concen: 6.744 ppbv
RT: 16.76 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 3 Mar 2021 19:52
VSTDCCC010EC

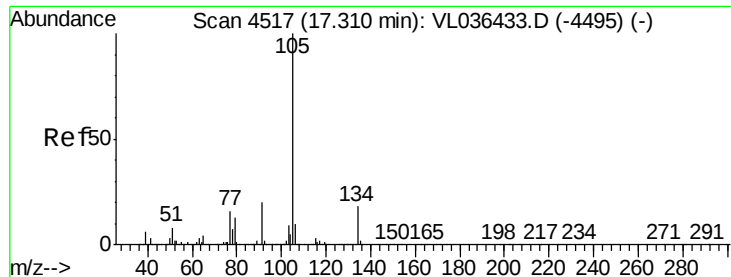
Tot Ion: 119 Resp: 4293083
Ion Ratio Lower Upper
119 100
91 86.1 67.9 101.9
134 19.9 16.0 24.0



#66
Benzyl Chloride
Concen: 7.797 ppbv
RT: 17.00 min Scan# 4422
Delta R.T.: 0.00 min
Lab File: VL036446.D
Acq: 3 Mar 2021 19:52

Tgt Ion: 91 Resp: 1385820
Ion Ratio Lower Upper
91 100
126 16.2 12.9 19.3
128 5.2 4.0 6.0





#67

sec-Butylbenzene

Concen: 6.879 ppbv

RT: 17.31

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

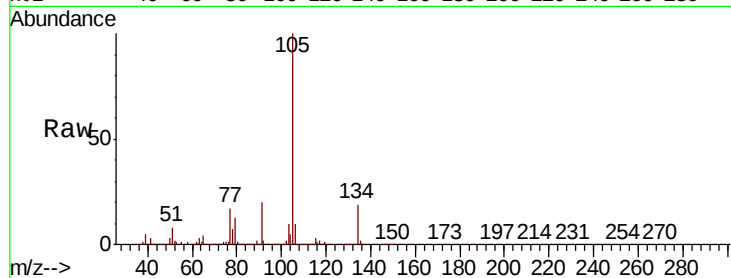
Acq: 3 Mar 2021 19:52

Tot Ion:105 Resp: 6115924

Ion Ratio Lower Upper

105 100

134 18.2 14.9 22.3



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

2500000

2000000

1500000

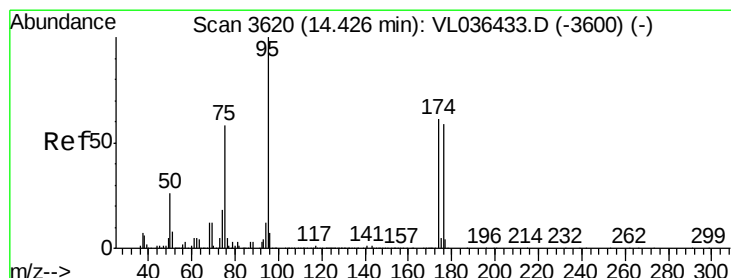
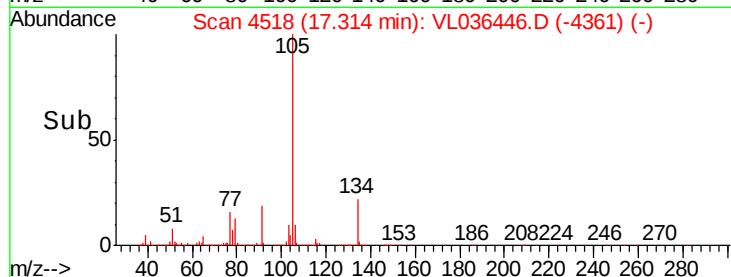
1000000

500000

0

17.20 17.30 17.40

Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 8.525 ppbv

RT: 14.44 min Scan# 3623

Delta R.T. 0.01 min

Lab File: VL036446.D

Acq: 3 Mar 2021 19:52

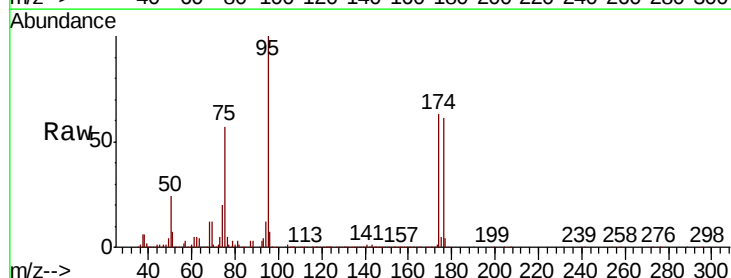
Tgt Ion: 95 Resp: 3223915

Ion Ratio Lower Upper

95 100

174 63.2 51.0 76.4

175 4.7 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

1500000

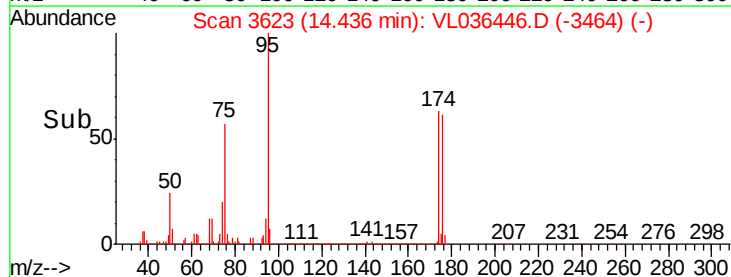
1000000

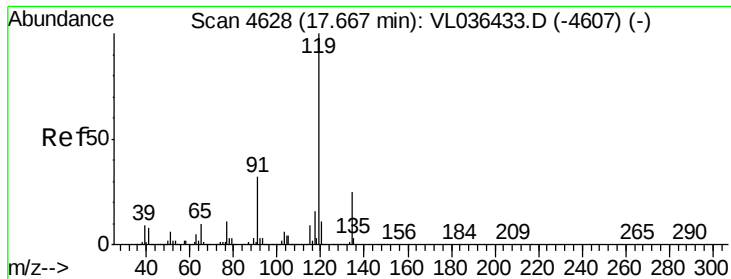
500000

0

14.30 14.40 14.50

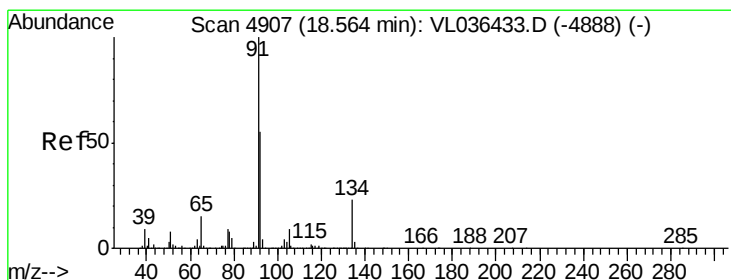
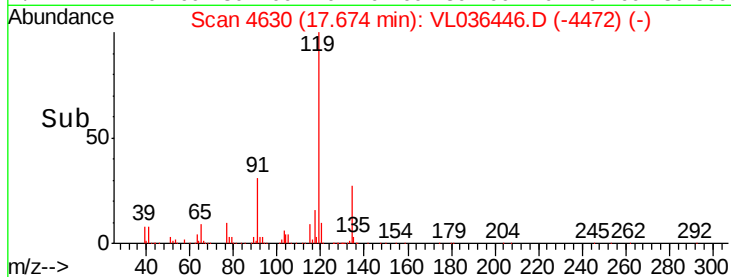
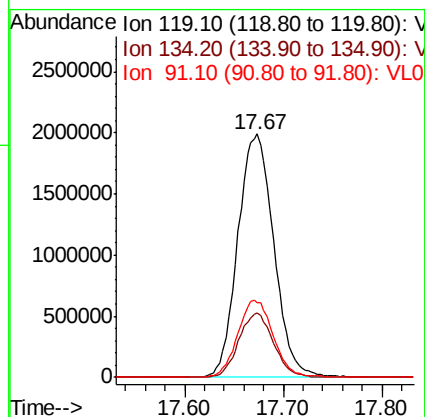
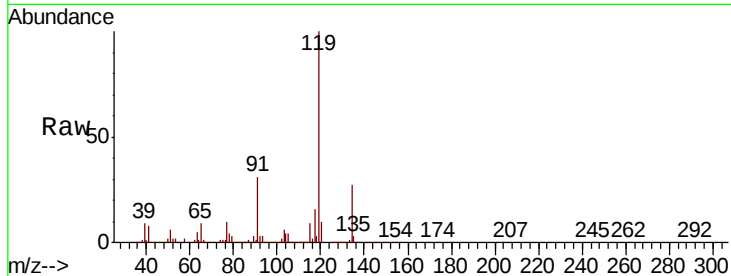
Time-->





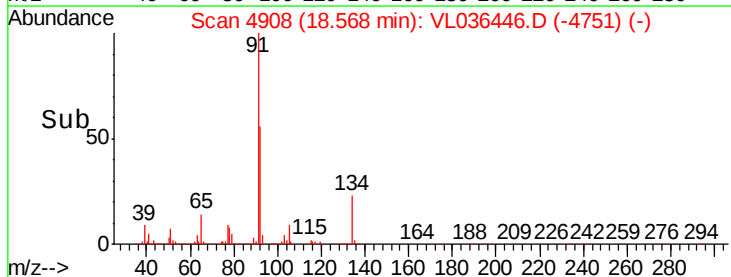
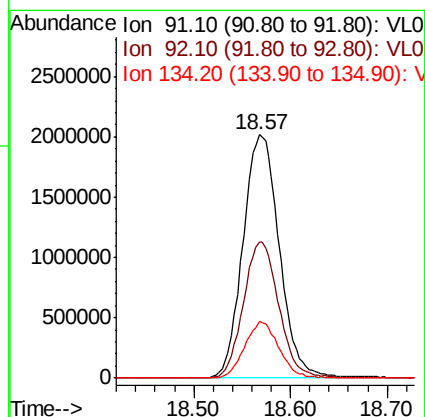
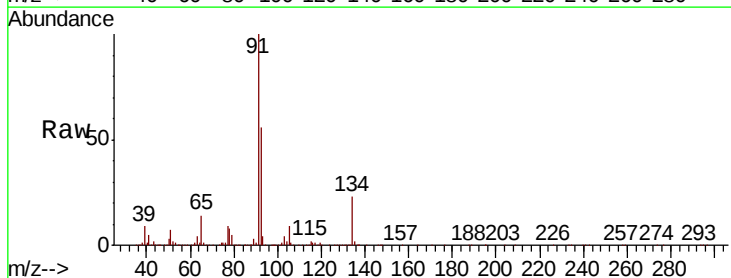
#69
 p-Isopropyltoluene
 Concen: 7.069 ppbv
 RT: 17.67 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 3 Mar 2021 19:52

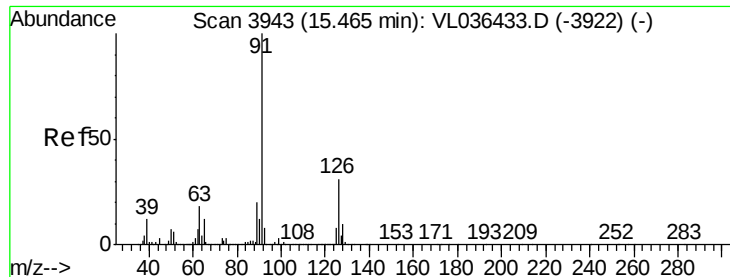
Tot Ion:	119	Resp:	5028777
Ion	Ratio	Lower	Upper
119	100		
134	25.5	20.6	30.8
91	31.1	25.3	37.9



#70
 n-Butylbenzene
 Concen: 7.140 ppbv
 RT: 18.57 min Scan# 4908
 Delta R.T.: 0.00 min
 Lab File: VL036446.D
 Acq: 3 Mar 2021 19:52

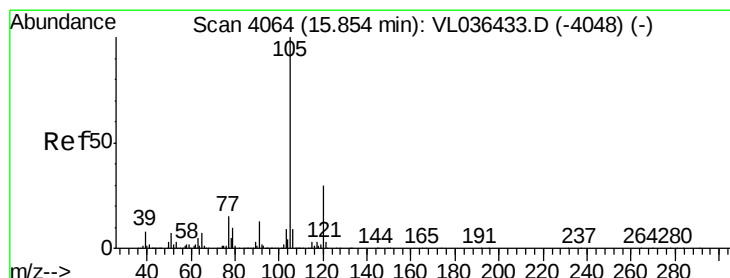
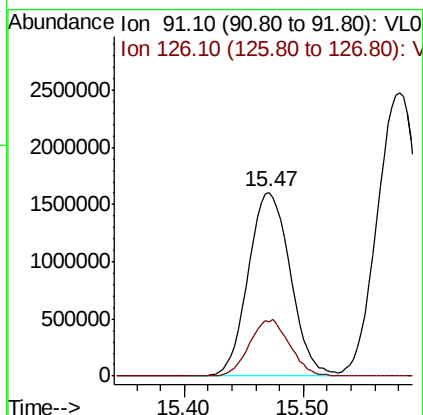
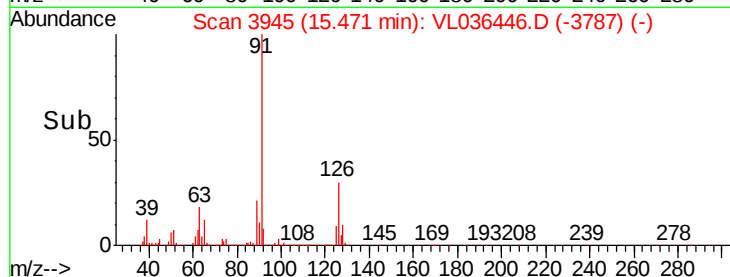
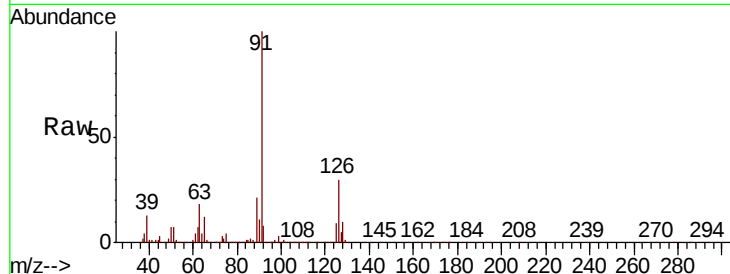
Tgt Ion:	91	Resp:	5249981
Ion	Ratio	Lower	Upper
91	100		
92	54.9	44.1	66.1
134	22.1	17.9	26.9





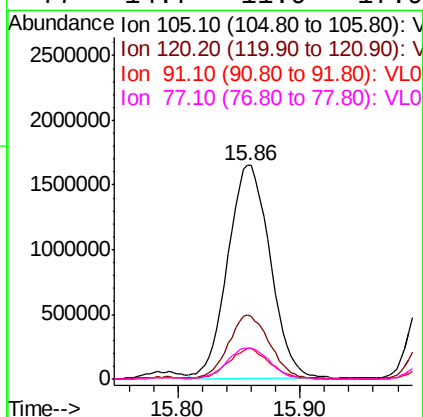
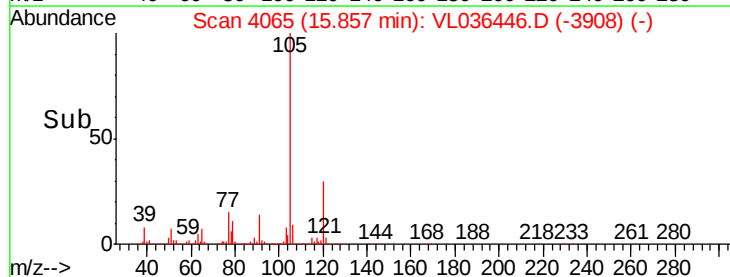
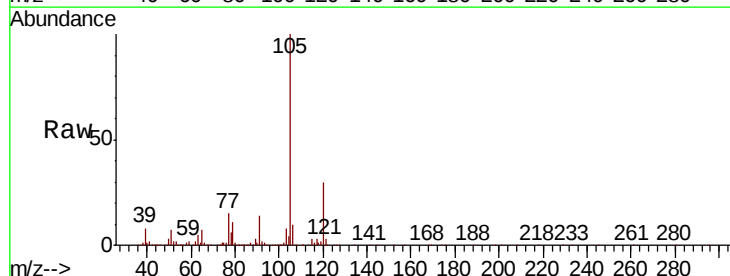
#71
 2-Chlorotoluene
 Concen: 7.166 ppbv
 RT: 15.47
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId:
 VSTDCCC010EC
 Acq: 3 Mar 2021 19:52

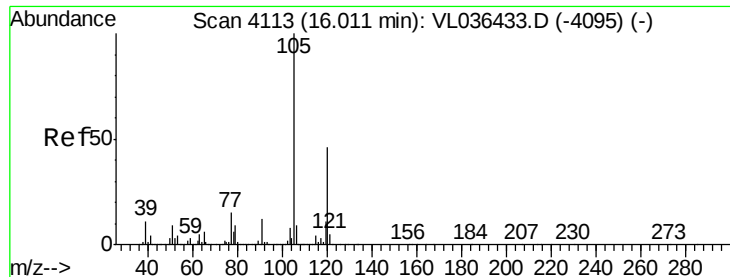
Tot Ion: 91 Resp: 3944217
 Ion Ratio Lower Upper
 91 100
 126 29.7 12.0 48.0



#72
 4-Ethyltoluene
 Concen: 7.510 ppbv
 RT: 15.86 min Scan# 4065
 Delta R.T. 0.00 min
 Lab File: VL036446.D
 Acq: 3 Mar 2021 19:52

Tgt Ion: 105 Resp: 3958357
 Ion Ratio Lower Upper
 105 100
 120 29.5 23.8 35.6
 91 13.9 10.9 16.3
 77 14.7 11.9 17.9





#73

1,3,5-Trimethylbenzene

Concen: 7.221 ppbv

RT: 16.01

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

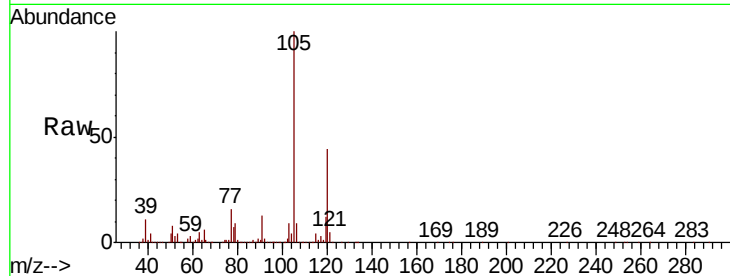
Acq: 3 Mar 2021 19:52 VSTDCCC010EC

Tot Ion:105 Resp: 3692639

Ion Ratio Lower Upper

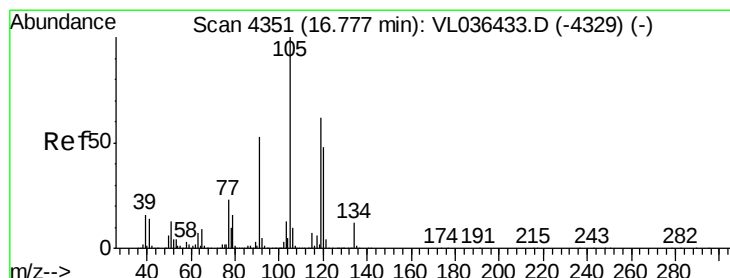
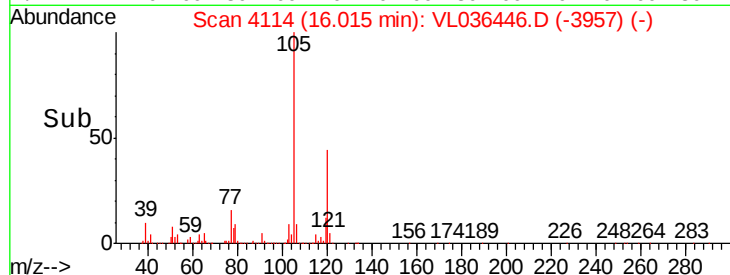
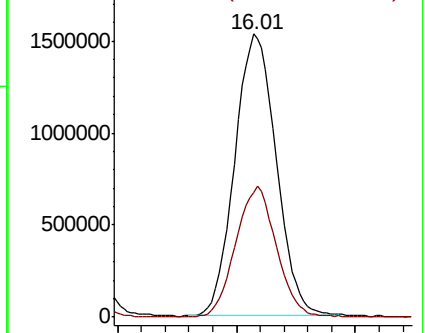
105 100

120 44.2 36.4 54.6



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 6.841 ppbv

RT: 16.78 min Scan# 4352

Delta R.T. 0.00 min

Lab File: VL036446.D

Acq: 3 Mar 2021 19:52

Tgt Ion:105 Resp: 3714137

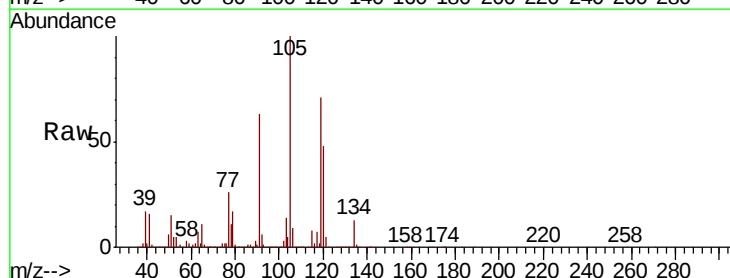
Ion Ratio Lower Upper

105 100

120 48.0 38.2 57.4

91 62.3 42.6 63.8

77 25.5 18.6 28.0

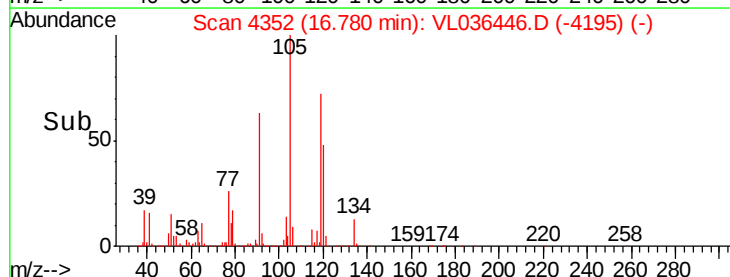
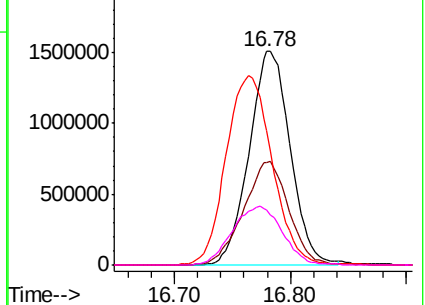


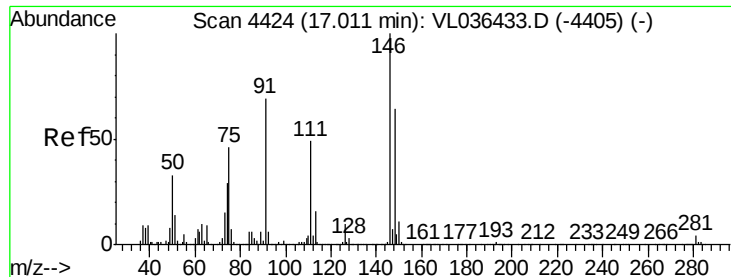
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

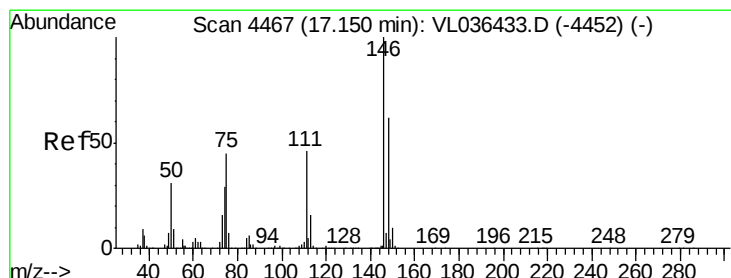
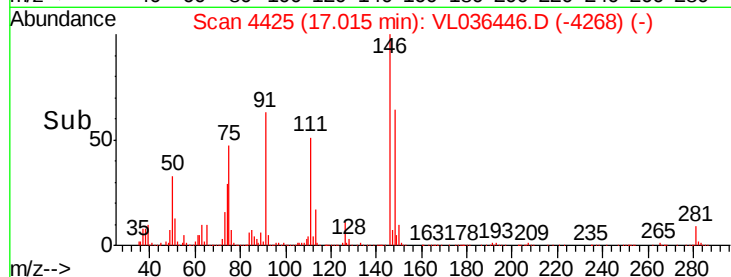
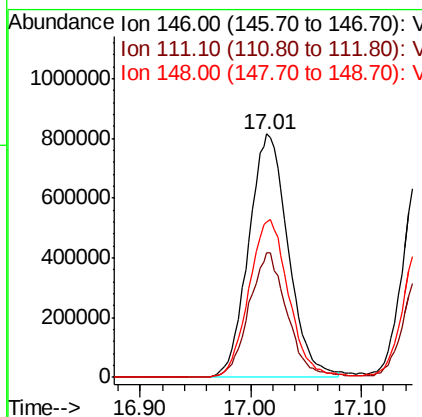
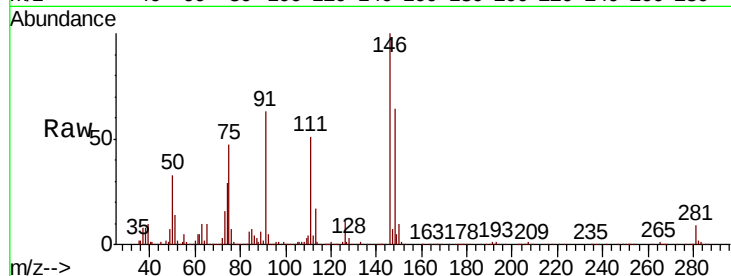
Ion 77.10 (76.80 to 77.80): VL0





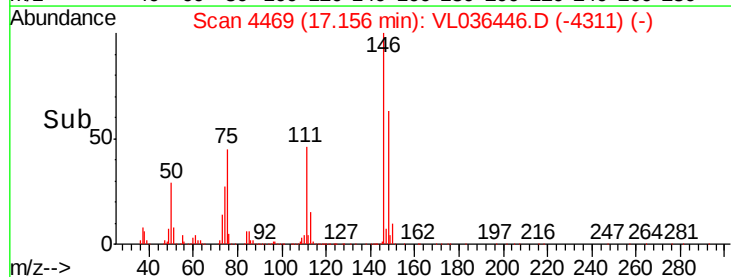
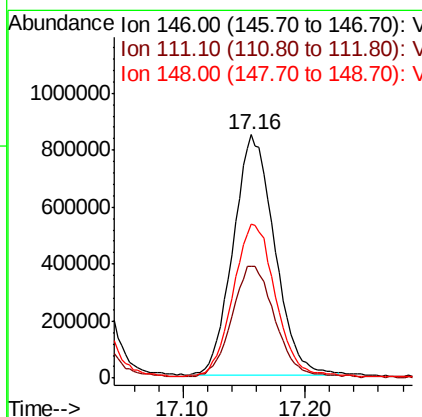
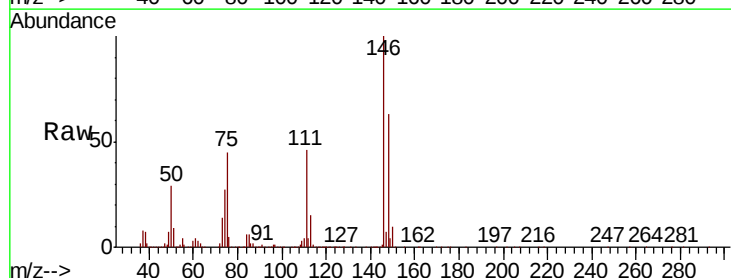
#75
 1,3-Dichlorobenzene
 Concen: 6.712 ppbv
 RT: 17.01 min
 Delta R.T. 0.01 min
 Lab File: VSTDCCC010EC
 Acq: 3 Mar 2021 19:52

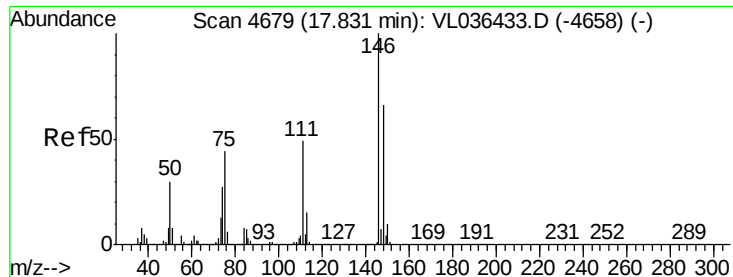
Tot Ion:146 Resp: 2023864
 Ion Ratio Lower Upper
 146 100
 111 49.5 24.5 73.5
 148 65.3 32.4 97.0



#76
 1,4-Dichlorobenzene
 Concen: 6.624 ppbv
 RT: 17.16 min Scan# 4469
 Delta R.T. 0.01 min
 Lab File: VL036446.D
 Acq: 3 Mar 2021 19:52

Tgt Ion:146 Resp: 1995912
 Ion Ratio Lower Upper
 146 100
 111 48.9 24.5 73.5
 148 66.4 33.1 99.2

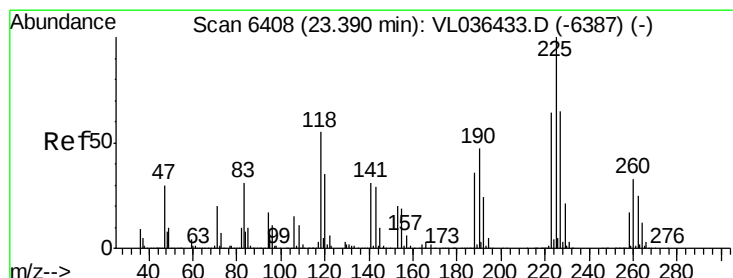
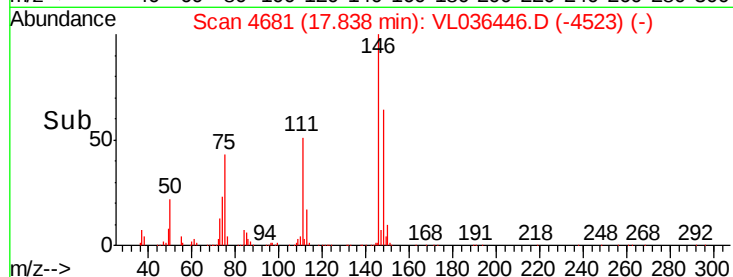
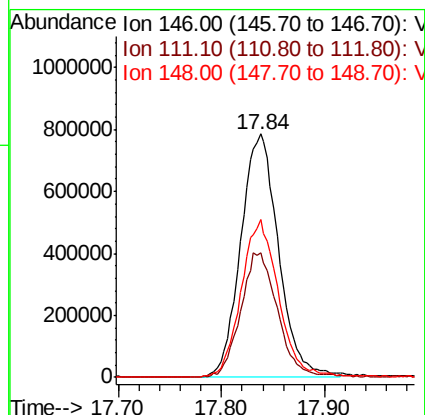
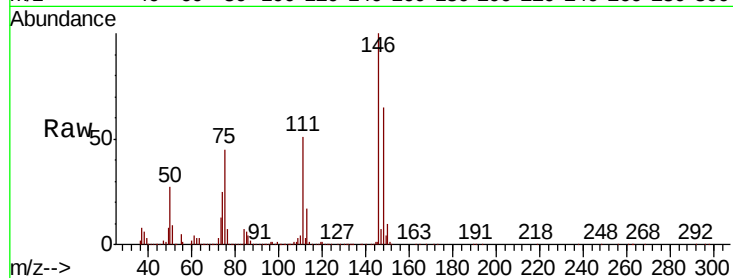




#77
 1,2-Dichlorobenzene
 Concen: 6.743 ppbv
 RT: 17.84 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId : VSTDCCC010EC
 Acq: 3 Mar 2021 19:52

Tot Ion:146 Resp: 1990782

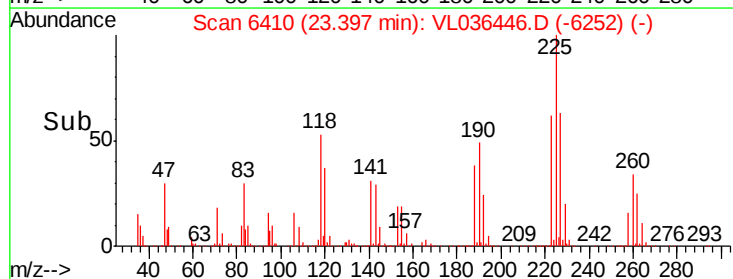
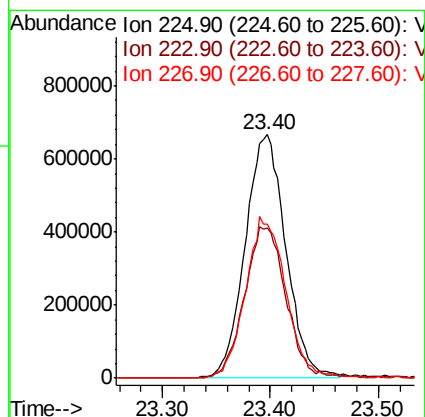
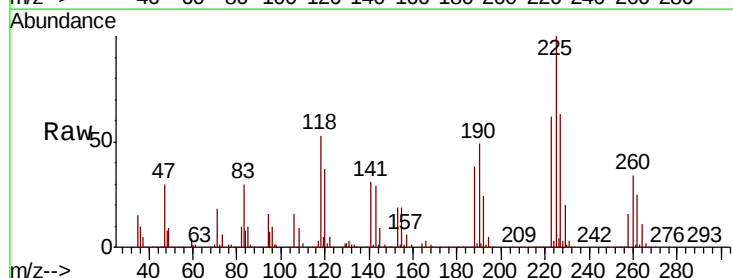
Ion	Ratio	Lower	Upper
146	100		
111	50.7	25.4	76.2
148	64.2	32.0	96.2

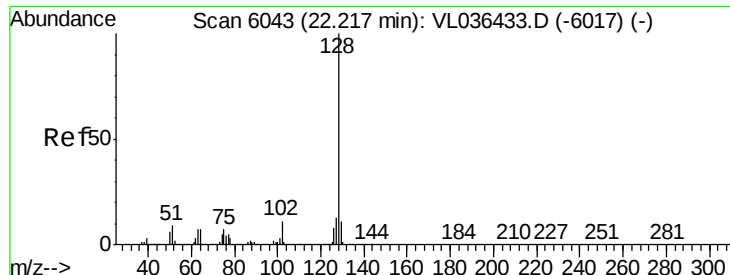


#78
 Hexachloro-1,3-Butadiene
 Concen: 7.437 ppbv
 RT: 23.40 min Scan# 6410
 Delta R.T.: 0.01 min
 Lab File: VL036446.D
 Acq: 3 Mar 2021 19:52

Tgt Ion:225 Resp: 1747228

Ion	Ratio	Lower	Upper
225	100		
223	63.8	51.8	77.8
227	65.6	53.0	79.6

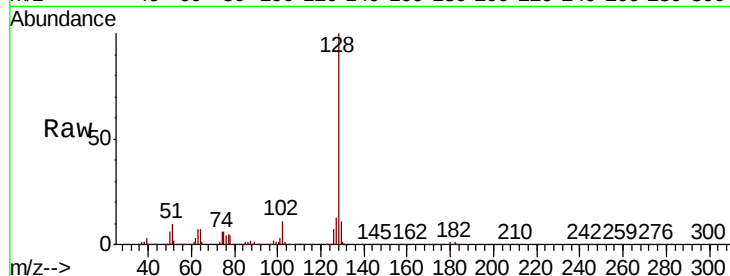




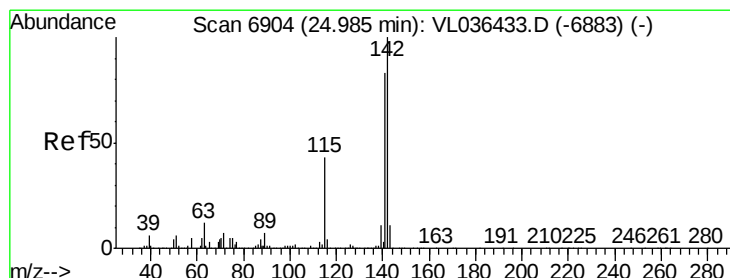
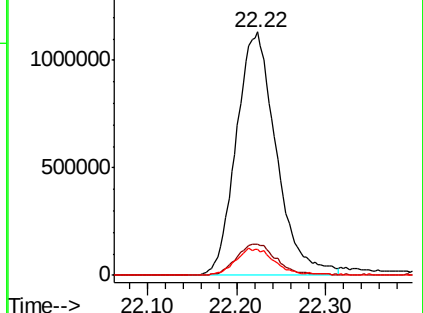
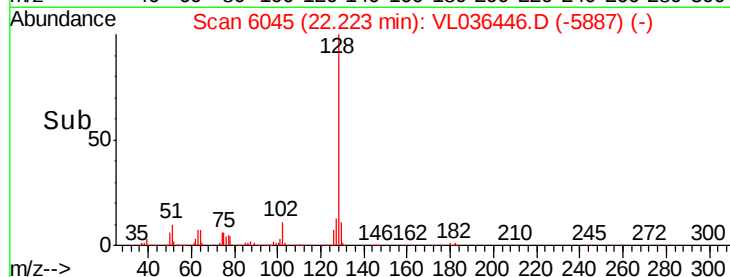
#79
Naphthalene
Concen: 11.099 ppbv
RT: 22.22 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 3 Mar 2021 19:52
VSTDCCC010EC

Tot Ion:128 Resp: 3529916

Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	10.6	9.1	13.7



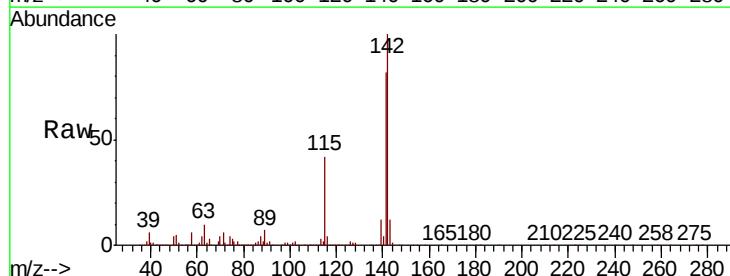
Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V



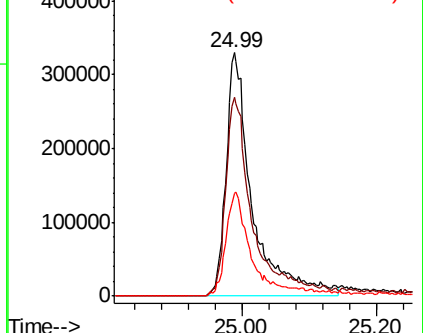
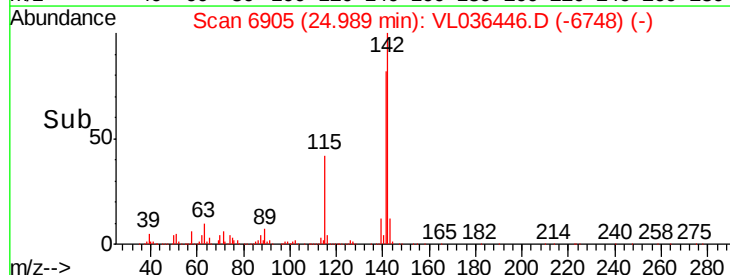
#80
Naphthalene, 2-methyl-
Concen: 13.097 ppbv
RT: 24.99 min Scan# 6905
Delta R.T.: 0.00 min
Lab File: VL036446.D
Acq: 3 Mar 2021 19:52

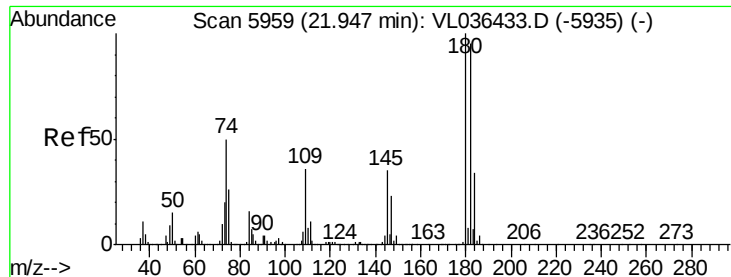
Tgt Ion:142 Resp: 900636

Ion	Ratio	Lower	Upper
142	100		
141	84.1	69.0	103.6
115	43.4	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: 9.578 ppbv

RT: 21.95

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 3 Mar 2021 19:52

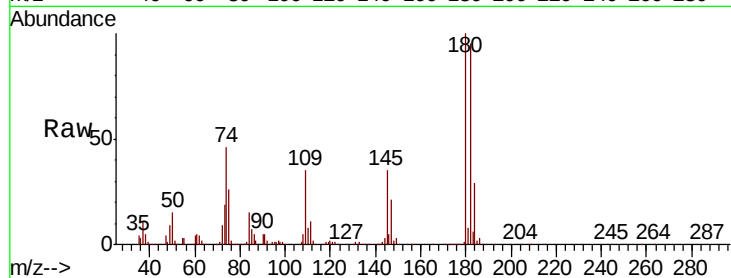
Tot Ion:180 Resp: 1750942

Ion Ratio Lower Upper

180 100

182 102.3 81.8 122.6

184 32.1 26.6 40.0



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

