

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL072721\
 Data File : VL037285.D
 Acq On : 27 Jul 2021 6:27
 Operator : SY/AP
 Sample : VSTDIC015
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jul 27 07:14:29 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL072721AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Jul 27 06:38:44 2021
 QLast Update : Tue Jul 27 06:38:44 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1362492	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	4003560	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3782458	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	3004058	10.49	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.90%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.04	85	2917154	12.138	ppbv 99
3) Chlorodifluoromethane	2.99	51	3607248	13.494	ppbv 100
4) Chloromethane	3.14	50	1256799	14.125	ppbv 98
5) Vinyl Chloride	3.25	62	1392977	14.371	ppbv 100
6) Bromomethane	3.47	94	806436	14.081	ppbv 98
7) Chloroethane	3.56	64	520964	14.749	ppbv 99
8) Dichlorotetrafluoroethane	3.19	85	3377208	13.737	ppbv 99
9) Propene	3.01	41	1159822	13.626	ppbv 99
10) Heptane	8.13	43	3018260	14.592	ppbv 100
11) Trichlorofluoromethane	3.95	101	3780356	14.724	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.48	101	2684460	14.795	ppbv 99
13) Ethanol	3.61	45	116613	9.044	ppbv 97
14) Bromoethene	3.74	108	1144115	15.200	ppbv 100
15) Acetone	3.85	43	2045148	12.948	ppbv 100
16) 1,3-Butadiene	3.32	39	1395151	15.210	ppbv 99
17) tert-Butyl alcohol	4.29	59	1774776	12.417	ppbv 100
18) 1,1-Dichloroethene	4.29	96	1231681	15.289	ppbv 99
19) Isopropyl Alcohol	3.96	45	942041	10.268	ppbv 100
20) Methylene Chloride	4.34	84	1038007	11.084	ppbv 96
21) Allyl Chloride	4.41	41	1750832	14.821	ppbv 97
22) trans-1,2-Dichloroethene	4.88	96	1240841	15.612	ppbv 98
23) Vinyl Acetate	5.08	43	3415757	15.408	ppbv 100
24) 1,1-Dichloroethane	5.01	63	2628027	14.618	ppbv 99
25) Ethyl Acetate	5.68	43	4795179	14.280	ppbv 100
26) Hexane	5.69	57	2233430	13.207	ppbv 99
27) Carbon Disulfide	4.55	76	2880064	17.238	ppbv 99
28) Methyl tert-Butyl Ether	5.03	73	2907531	14.292	ppbv 100
29) Chloroform	5.75	83	3752423	14.254	ppbv 100
30) Cyclohexane	7.13	84	2003294	14.208	ppbv 98
31) cis-1,2-Dichloroethene	5.55	61	2333152	14.956	ppbv 98
32) 1,1,1-Trichloroethane	6.51	97	3902763	13.928	ppbv 100
34) 2-Butanone	5.25	43	2375726	14.961	ppbv 100
35) Carbon Tetrachloride	7.02	117	4218328	15.504	ppbv 96
36) Benzene	6.90	78	4666085	14.319	ppbv 98
37) 1,2-Dichloroethane	6.31	62	2890505	15.079	ppbv 100
38) Trichloroethene	7.84	130	2019612	13.035	ppbv 98
39) 1,2-Dichloropropane	7.62	63	1804052	14.900	ppbv 95
40) 1,4-Dioxane	7.83	88	400609	12.225	ppbv # 100
41) Tetrahydrofuran	6.05	42	1136912	15.561	ppbv 99
42) Bromodichloromethane	7.80	83	4030476	15.377	ppbv 99
43) Methyl Methacrylate	8.02	69	1754141	15.573	ppbv 99

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 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

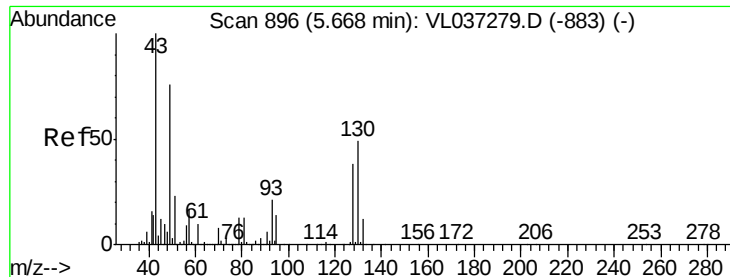
Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jul 27 07:14:29 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL072721AIR.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) 2,2,4-Trimethylpentane	7.87	57	7557731	13.731	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	1704827	17.549	ppbv	98
46) cis-1,3-Dichloropropene	8.71	75	2156722	16.168	ppbv	99
47) 1,1,2-Trichloroethane	9.48	97	2028870	14.631	ppbv	99
48) Dibromochloromethane	10.31	129	3700717	16.800	ppbv	100
49) Bromoform	13.05	173	3078268	18.518	ppbv	98
50) 4-Methyl-2-Pentanone	8.74	43	3509880	16.071	ppbv	99
51) 2-Hexanone	10.14	43	1809631	16.938	ppbv #	98
52) Tetrachloroethene	11.23	164	1948241	12.897	ppbv	96
53) Toluene	9.81	91	5611097	14.379	ppbv	98
54) 1,2-Dibromoethane	10.62	107	3033324	15.197	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.13	131	2474827	14.741	ppbv	90
57) Chlorobenzene	12.15	112	4352499	14.045	ppbv	99
58) Ethyl Benzene	12.72	91	7463914	14.205	ppbv	94
59) m/p-Xylene	13.00	91	6527695	14.607	ppbv #	32
60) o-Xylene	13.70	91	6071691	14.235	ppbv	99
61) Styrene	13.54	104	3482173	15.966	ppbv	99
62) Isopropylbenzene	14.67	105	8410527	13.860	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.68	83	4214312	14.799	ppbv	99
64) n-propylbenzene	15.57	120	2298119	15.176	ppbv	92
65) tert-Butylbenzene	16.75	119	7640189	14.113	ppbv	99
66) Benzyl Chloride	16.99	91	393038	17.047	ppbv	99
67) sec-Butylbenzene	17.30	105	10032335	13.917	ppbv	98
69) p-Isopropyltoluene	17.66	119	8699557	14.306	ppbv	98
70) n-Butylbenzene	18.56	91	8248516	14.669	ppbv	99
71) 2-Chlorotoluene	15.46	91	6194351	14.550	ppbv	99
72) 4-Ethyltoluene	15.84	105	7305557	15.031	ppbv	99
73) 1,3,5-Trimethylbenzene	16.00	105	6673508	14.205	ppbv	97
74) 1,2,4-Trimethylbenzene	16.77	105	6837771	14.122	ppbv	96
75) 1,3-Dichlorobenzene	17.00	146	4278262	14.556	ppbv	99
76) 1,4-Dichlorobenzene	17.14	146	4179283	14.258	ppbv	99
77) 1,2-Dichlorobenzene	17.82	146	4099816	14.376	ppbv	100
78) Hexachloro-1,3-Butadiene	23.38	225	2547041	10.740	ppbv	99
79) Naphthalene	22.20	128	4912997	12.962	ppbv	100
80) Naphthalene, 2-methyl-	24.98	142	1175718	12.915	ppbv	92
81) 1,2,4-Trichlorobenzene	21.93	180	2893380	13.014	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 897

Delta R.T. 0.00 min

Lab File: VL037285.D

Acq: 27 Jul 2021 6:27

Instrument :

MSVOA_L

ClientSampleId :

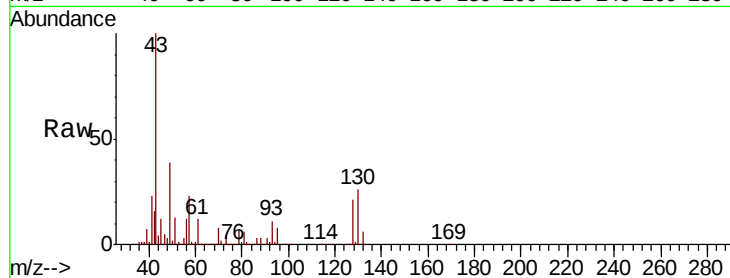
Tot Ion: 49 Resp: 1362492

Ion Ratio Lower Upper

49 100

128 59.4 28.4 85.2

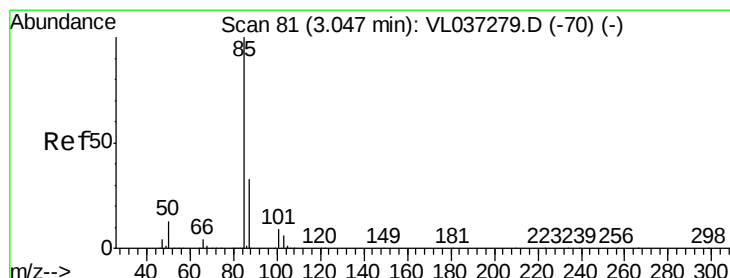
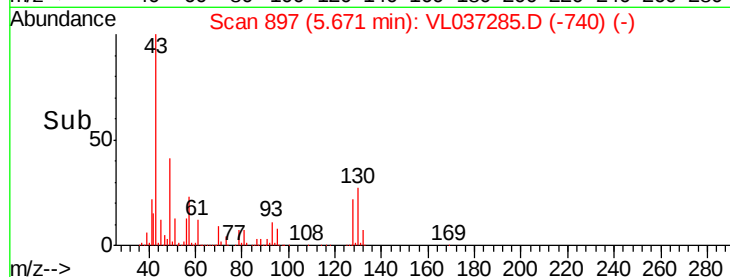
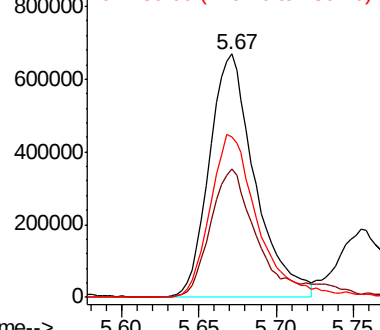
130 72.2 34.8 104.5



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: 12.138 ppbv

RT: 3.04 min Scan# 80

Delta R.T. -0.00 min

Lab File: VL037285.D

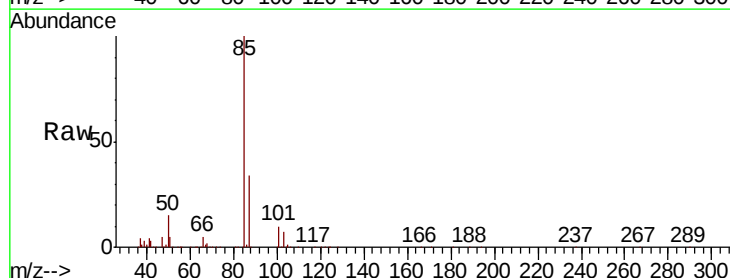
Acq: 27 Jul 2021 6:27

Tgt Ion: 85 Resp: 2917154

Ion Ratio Lower Upper

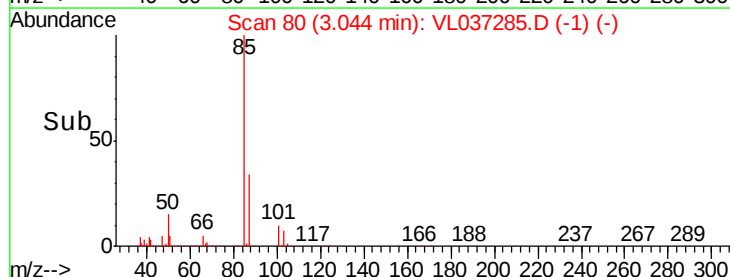
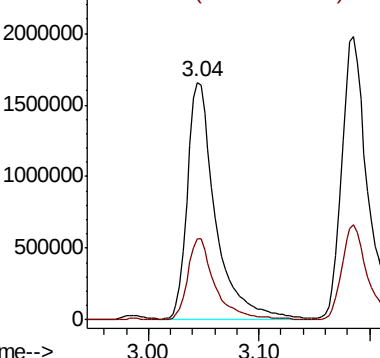
85 100

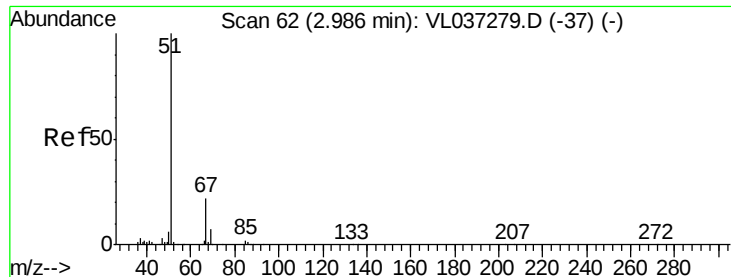
87 34.0 26.6 39.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

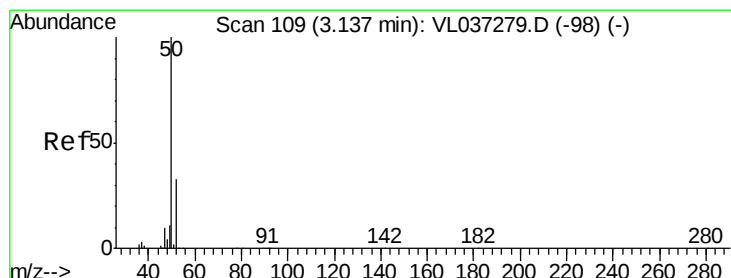
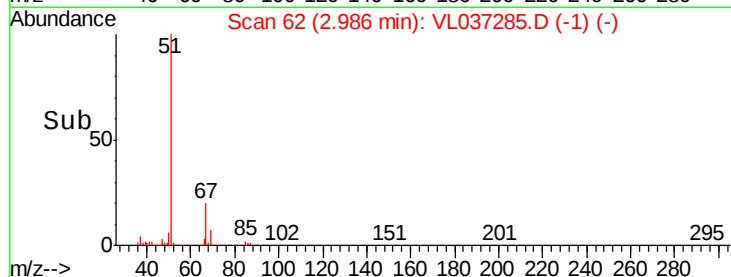
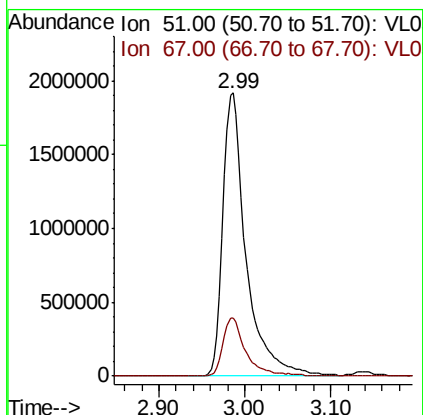
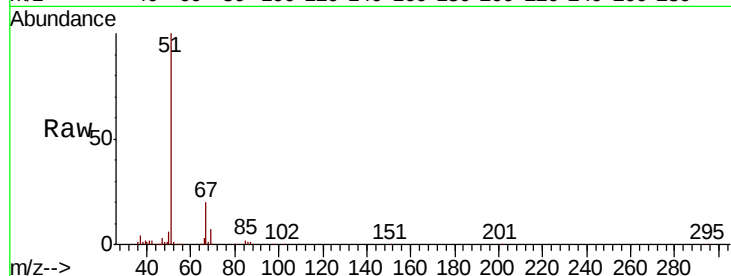




#3
 Chlorodifluoromethane
 Concen: 13.494 ppbv
 RT: 2.99 min Scan# 62
 Delta R.T. 0.00 min
 Lab File: VL037285.D
 Acq: 27 Jul 2021 6:27

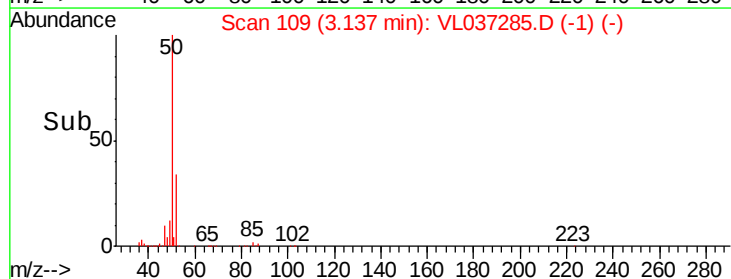
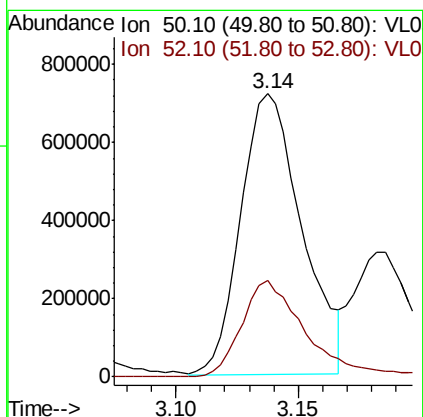
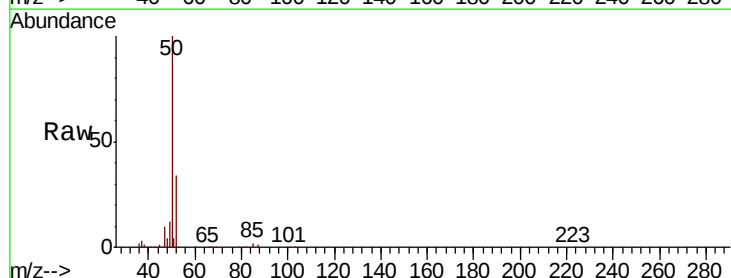
Instrument :
 MSVOA_L
 ClientSampleId :

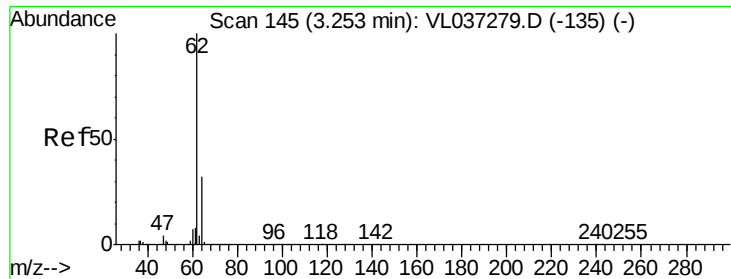
Tot Ion: 51 Resp: 3607248
 Ion Ratio Lower Upper
 51 100
 67 20.4 16.2 24.4



#4
 Chloromethane
 Concen: 14.125 ppbv
 RT: 3.14 min Scan# 109
 Delta R.T. 0.00 min
 Lab File: VL037285.D
 Acq: 27 Jul 2021 6:27

Tgt Ion: 50 Resp: 1256799
 Ion Ratio Lower Upper
 50 100
 52 34.4 26.4 39.6





#5

Vinyl Chloride

Concen: 14.371 ppbv

RT: 3.25 min Scan# 145

Delta R.T. 0.00 min

Lab File: VL037285.D

Acq: 27 Jul 2021 6:27

Instrument :

MSVOA_L

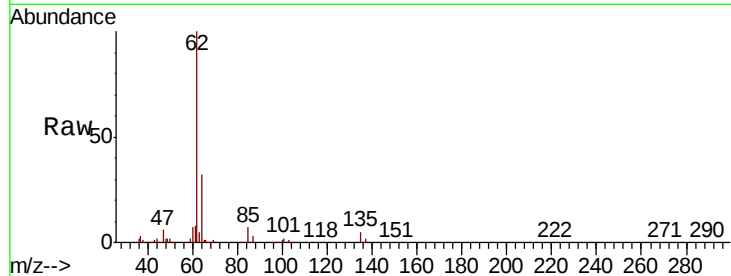
ClientSampleId :

Tot Ion: 62 Resp: 1392977

Ion Ratio Lower Upper

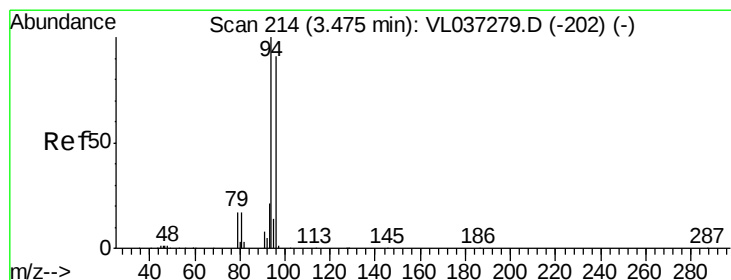
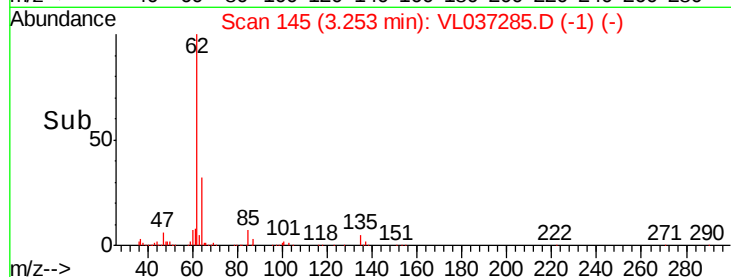
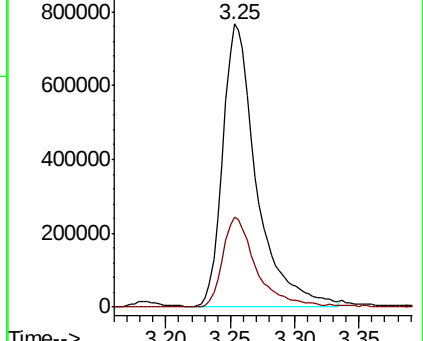
62 100

64 31.9 25.5 38.3



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 14.081 ppbv

RT: 3.47 min Scan# 213

Delta R.T. -0.00 min

Lab File: VL037285.D

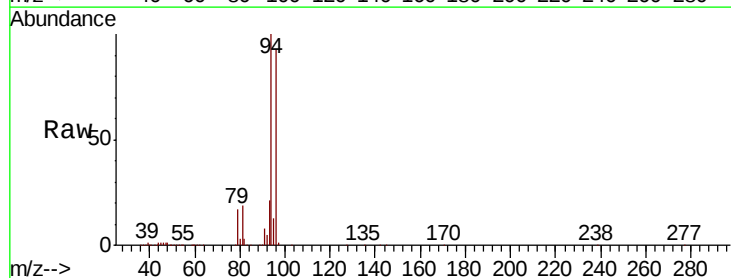
Acq: 27 Jul 2021 6:27

Tgt Ion: 94 Resp: 806436

Ion Ratio Lower Upper

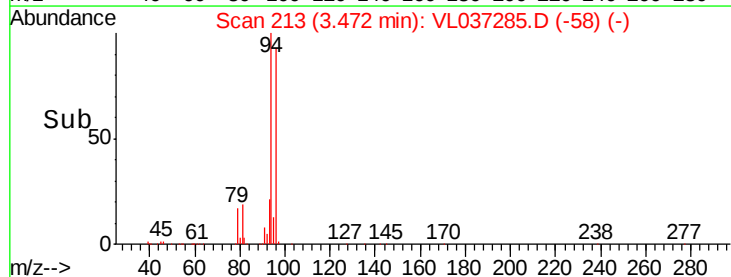
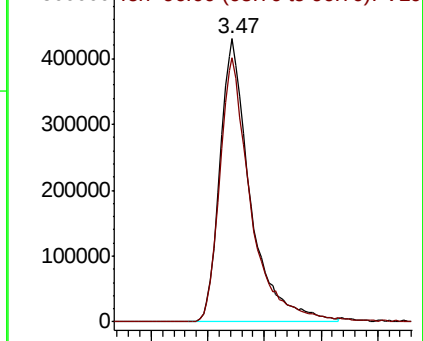
94 100

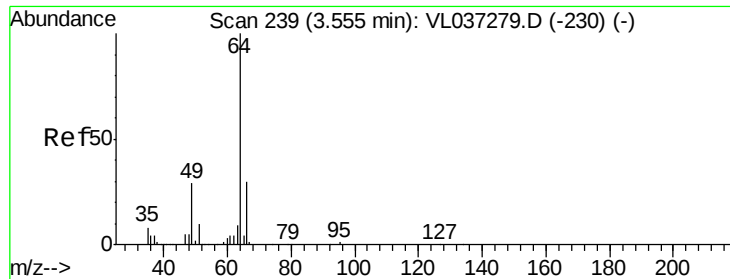
96 93.5 73.0 109.4



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 14.749 ppbv

RT: 3.56 min Scan# 239

Delta R.T. 0.00 min

Lab File: VL037285.D

Acq: 27 Jul 2021 6:27

Instrument :

MSVOA_L

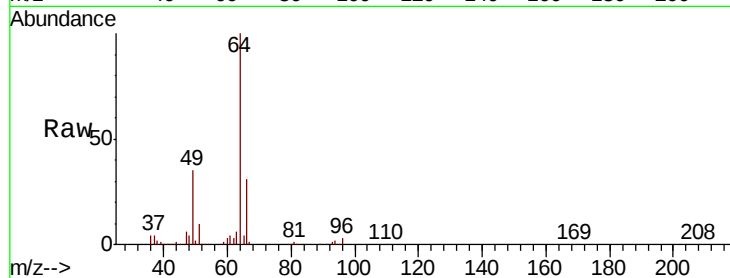
ClientSampleId :

Tot Ion: 64 Resp: 520964

Ion Ratio Lower Upper

64 100

66 31.0 24.3 36.5



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.56

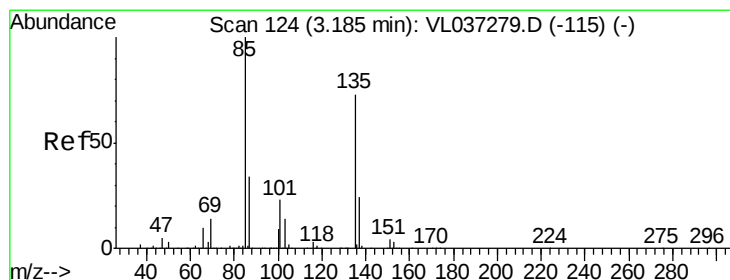
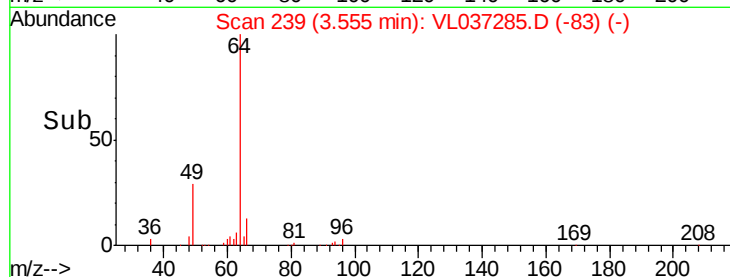
300000

200000

100000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 13.737 ppbv

RT: 3.19 min Scan# 124

Delta R.T. 0.00 min

Lab File: VL037285.D

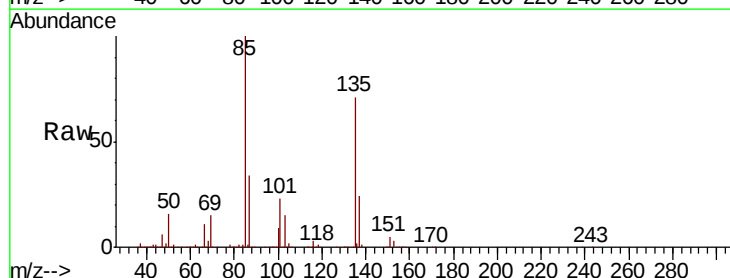
Acq: 27 Jul 2021 6:27

Tgt Ion: 85 Resp: 3377208

Ion Ratio Lower Upper

85 100

135 74.2 60.3 90.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.19

2000000

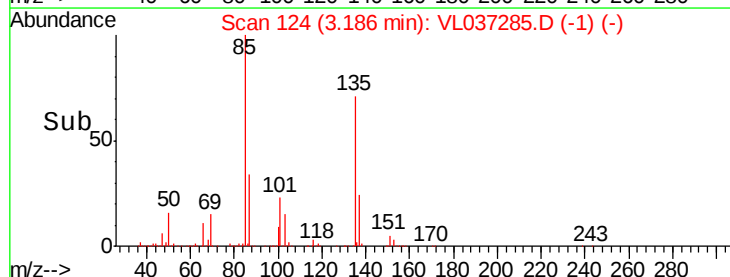
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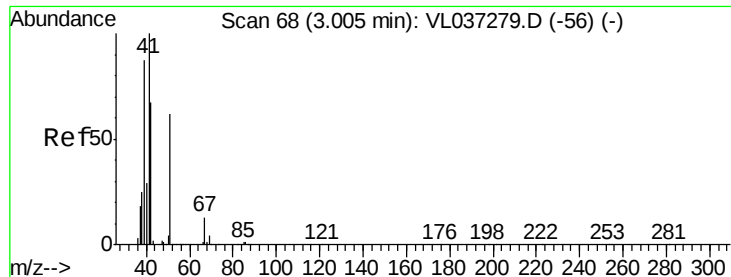
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500000

0

Time-->





#9

Propene

Concen: 13.626 ppbv

RT: 3.01 min Scan# 68

Delta R.T. 0.00 min

Lab File: VL037285.D

Acq: 27 Jul 2021 6:27

Instrument :

MSVOA_L

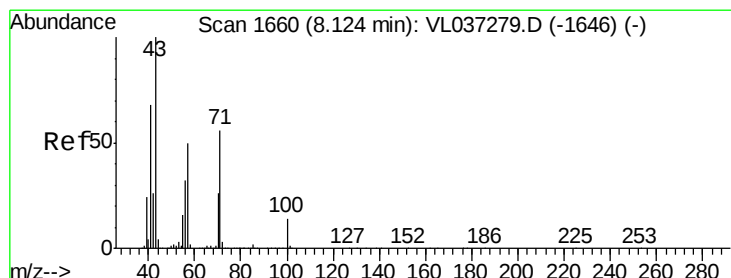
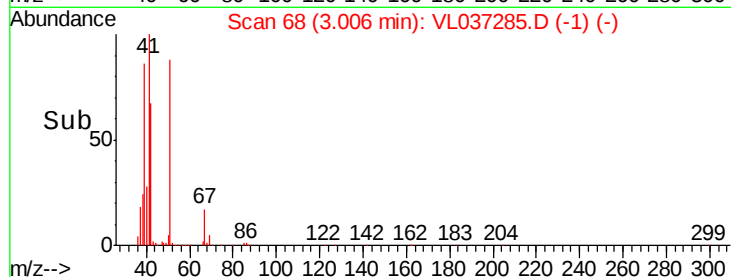
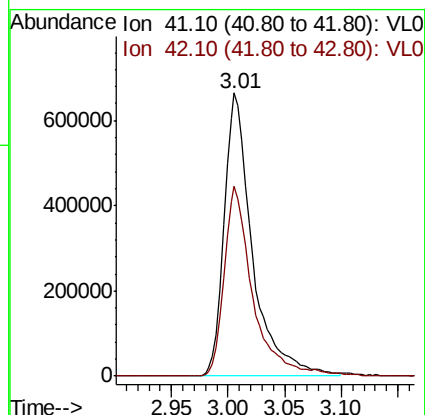
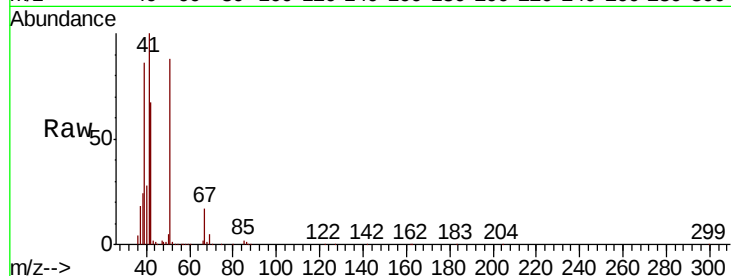
ClientSampleId :

Tot Ion: 41 Resp: 1159822

Ion Ratio Lower Upper

41 100

42 68.0 53.4 80.2



#10

Heptane

Concen: 14.592 ppbv

RT: 8.13 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VL037285.D

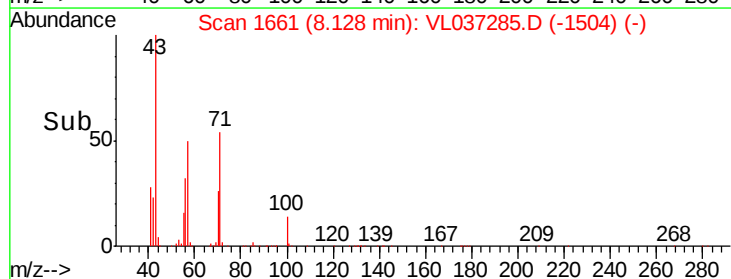
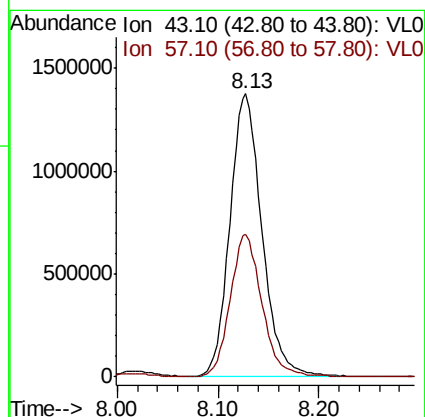
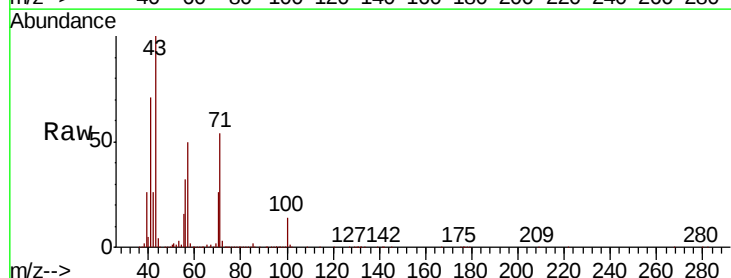
Acq: 27 Jul 2021 6:27

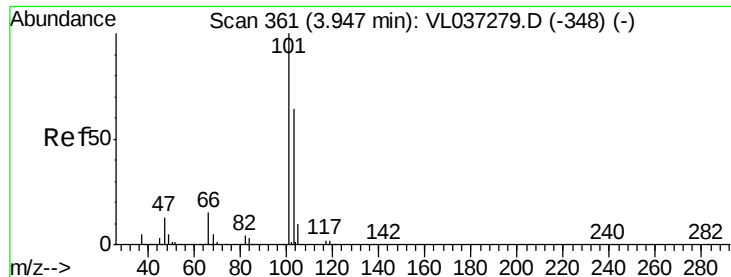
Tgt Ion: 43 Resp: 3018260

Ion Ratio Lower Upper

43 100

57 50.4 40.1 60.1

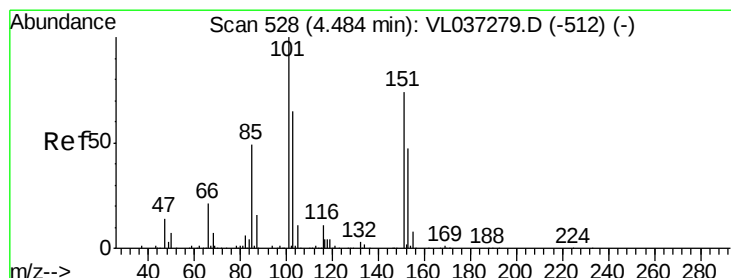
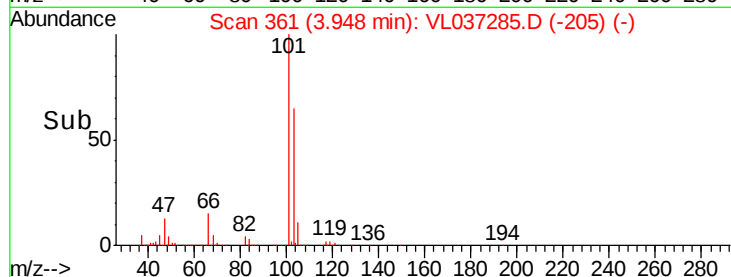
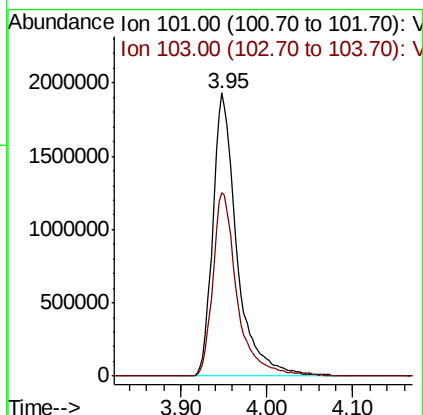
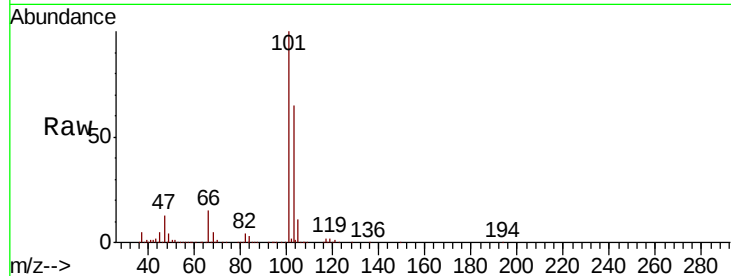




#11
 Trichlorofluoromethane
 Concen: 14.724 ppbv
 RT: 3.95 min Scan# 361
 Delta R.T. 0.00 min
 Lab File: VL037285.D
 Acq: 27 Jul 2021 6:27

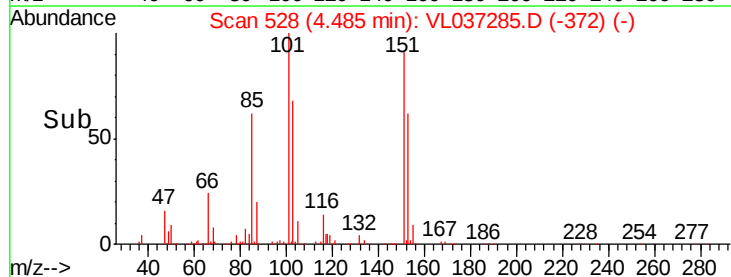
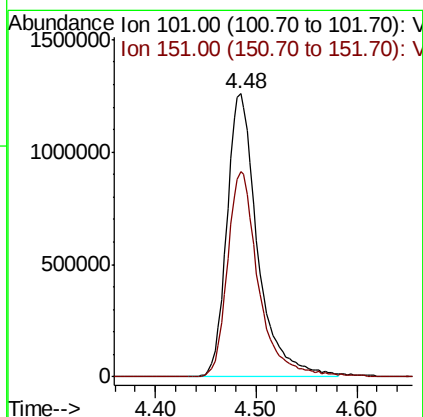
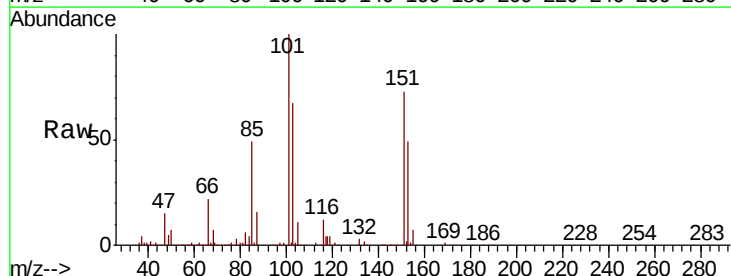
Instrument :
 MSVOA_L
 ClientSampleId :

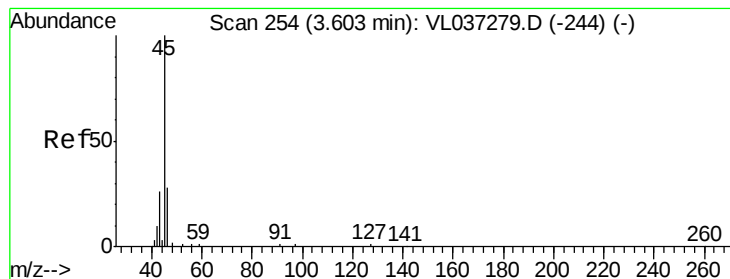
Tot Ion:101 Resp: 3780356
 Ion Ratio Lower Upper
 101 100
 103 64.6 51.4 77.0



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 14.795 ppbv
 RT: 4.48 min Scan# 528
 Delta R.T. 0.00 min
 Lab File: VL037285.D
 Acq: 27 Jul 2021 6:27

Tgt Ion:101 Resp: 2684460
 Ion Ratio Lower Upper
 101 100
 151 73.5 59.3 88.9





#13

Ethanol

Concen: 9.044 ppbv

RT: 3.61 min Scan# 255

Delta R.T. 0.00 min

Lab File: VL037285.D

Acq: 27 Jul 2021 6:27

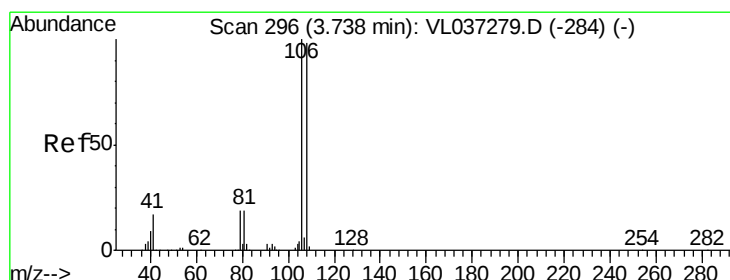
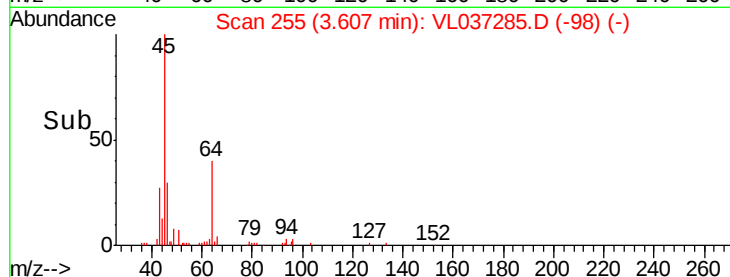
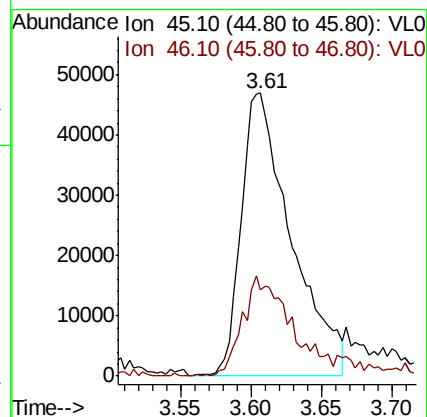
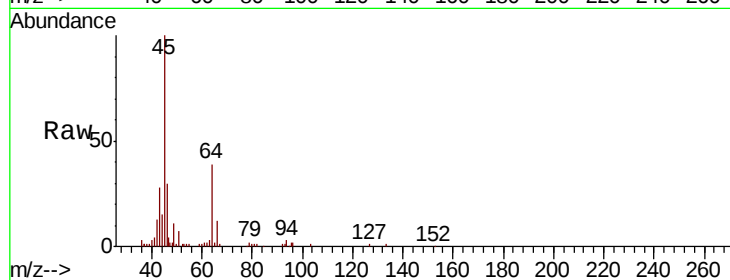
Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 45 Resp: 116613

Ion Ratio Lower Upper

45 100

46 39.6 15.1 60.3



#14

Bromoethene

Concen: 15.200 ppbv

RT: 3.74 min Scan# 296

Delta R.T. 0.00 min

Lab File: VL037285.D

Acq: 27 Jul 2021 6:27

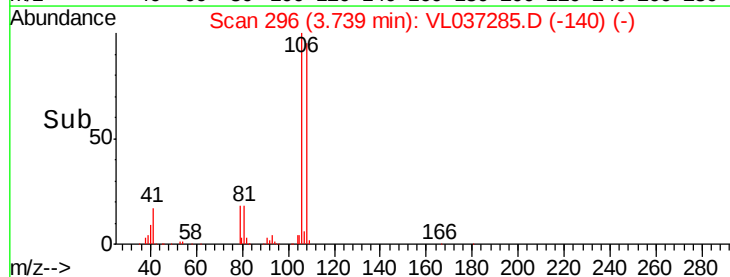
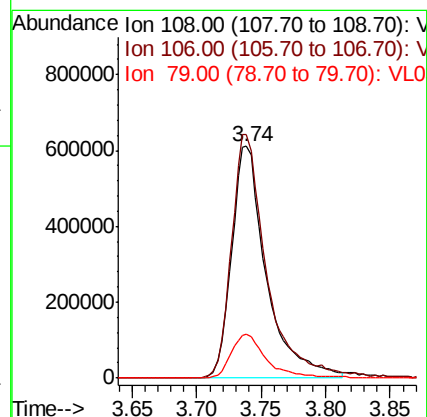
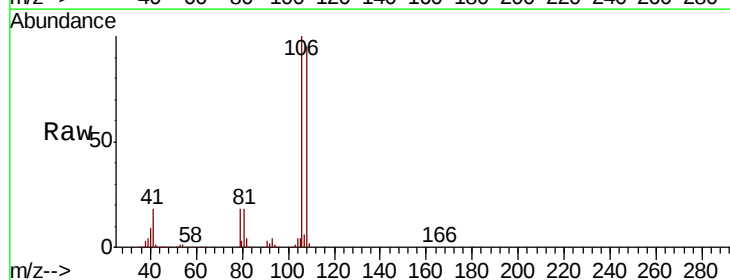
Tgt Ion: 108 Resp: 1144115

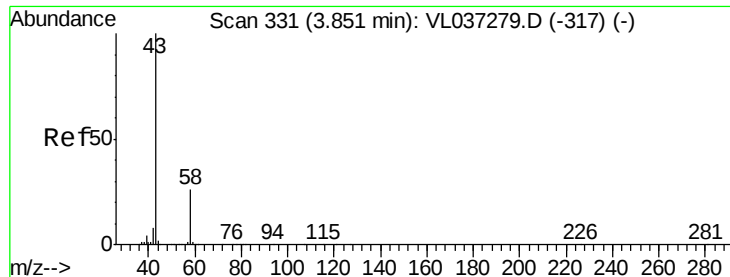
Ion Ratio Lower Upper

108 100

106 107.1 86.0 129.0

79 19.8 16.0 24.0





#15

Acetone

Concen: 12.948 ppbv

RT: 3.85 min Scan# 330

Delta R.T. -0.00 min

Lab File: VL037285.D

Acq: 27 Jul 2021 6:27

Instrument :

MSVOA_L

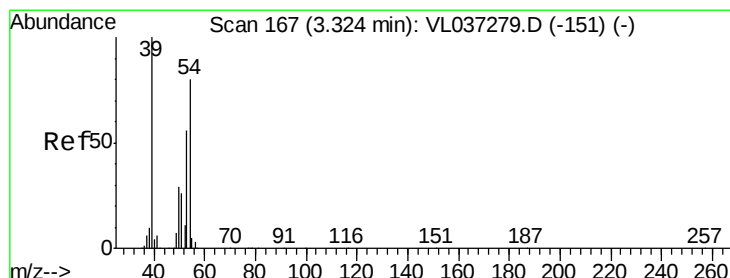
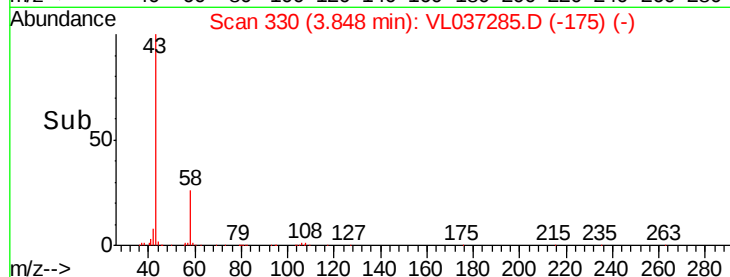
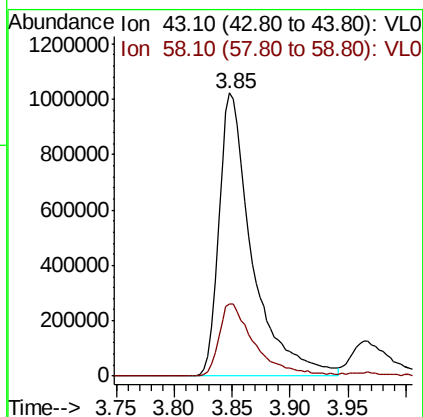
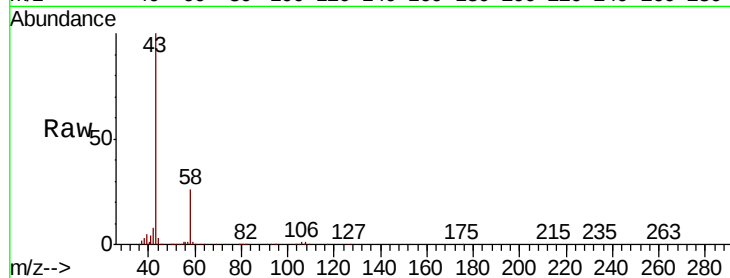
ClientSampleId :

Tot Ion: 43 Resp: 2045148

Ion Ratio Lower Upper

43 100

58 27.9 22.3 33.5



#16

1,3-Butadiene

Concen: 15.210 ppbv

RT: 3.32 min Scan# 167

Delta R.T. 0.00 min

Lab File: VL037285.D

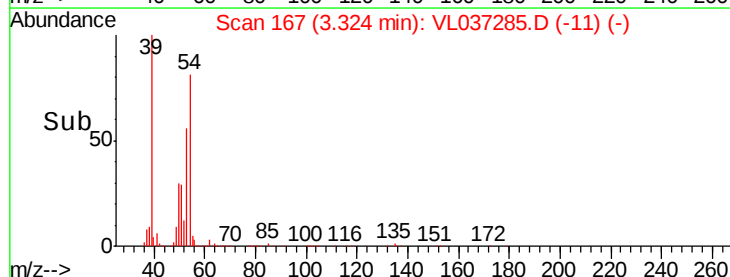
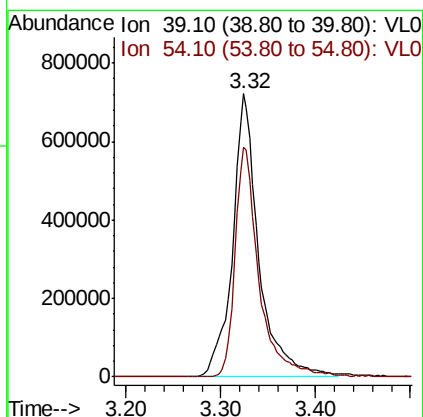
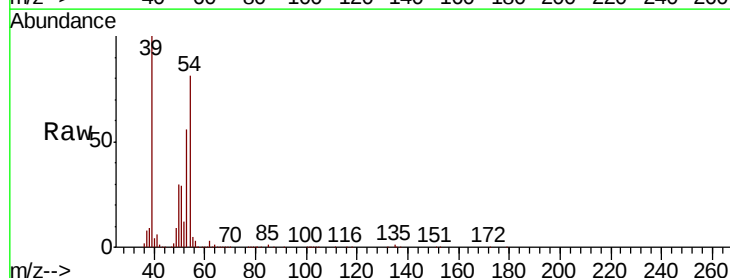
Acq: 27 Jul 2021 6:27

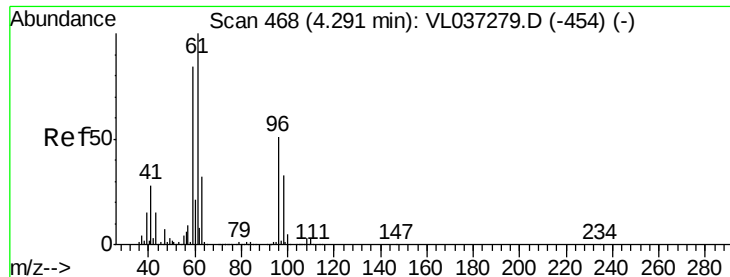
Tgt Ion: 39 Resp: 1395151

Ion Ratio Lower Upper

39 100

54 74.6 60.4 90.6



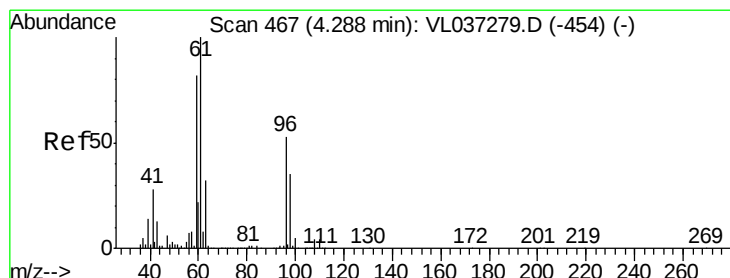
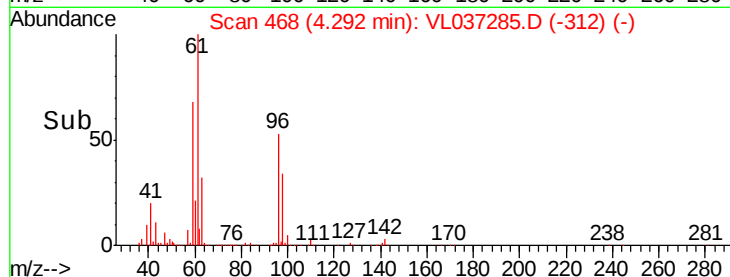
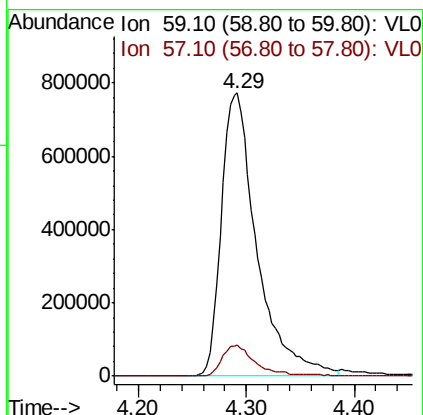
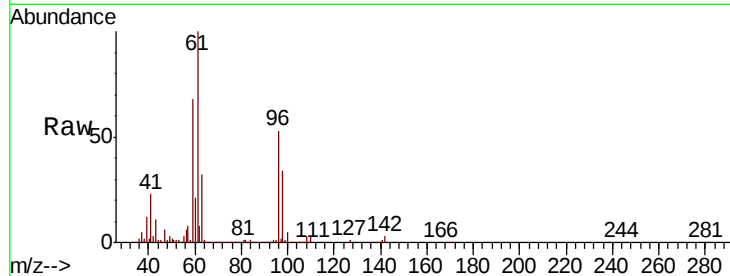


#17

tert-Butyl alcohol
Concen: 12.417 ppbv
RT: 4.29 min Scan# 468
Delta R.T. 0.00 min
Lab File: VL037285.D
Acq: 27 Jul 2021 6:27

Instrument :
MSVOA_L
ClientSampled :

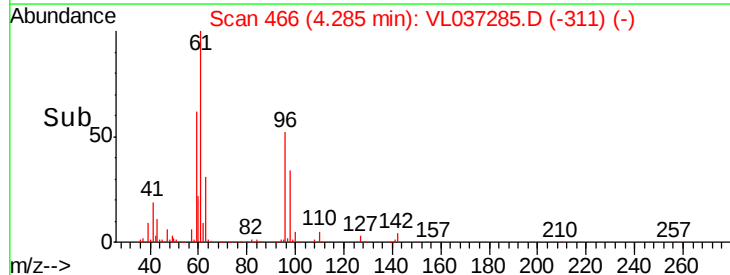
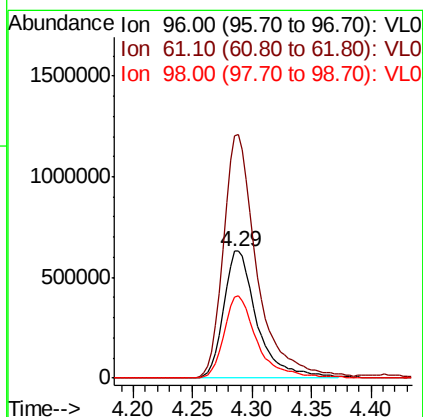
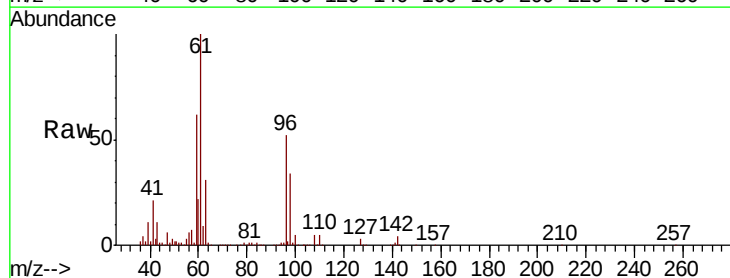
Tot Ion: 59 Resp: 1774776
Ion Ratio Lower Upper
59 100
57 11.0 8.6 13.0

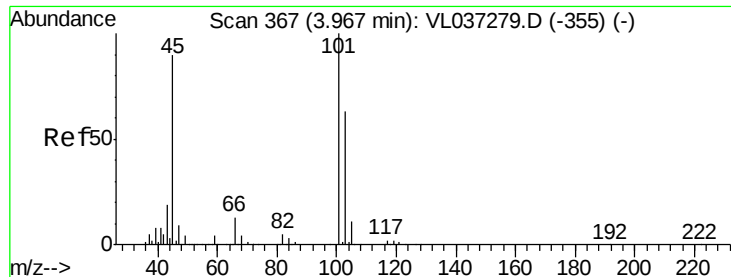


#18

1,1-Dichloroethene
Concen: 15.289 ppbv
RT: 4.29 min Scan# 466
Delta R.T. -0.00 min
Lab File: VL037285.D
Acq: 27 Jul 2021 6:27

Tgt Ion: 96 Resp: 1231681
Ion Ratio Lower Upper
96 100
61 190.7 151.4 227.2
98 64.0 52.4 78.6





#19

Isopropyl Alcohol

Concen: 10.268 ppbv

RT: 3.96 min Scan# 366

Delta R.T. -0.00 min

Lab File: VL037285.D

Acq: 27 Jul 2021 6:27

Instrument :

MSVOA_L

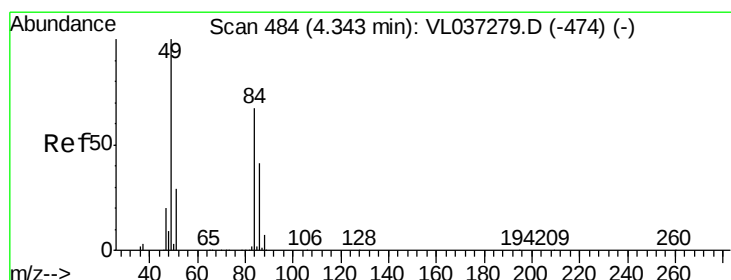
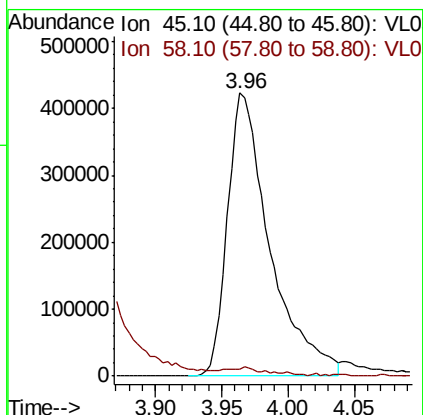
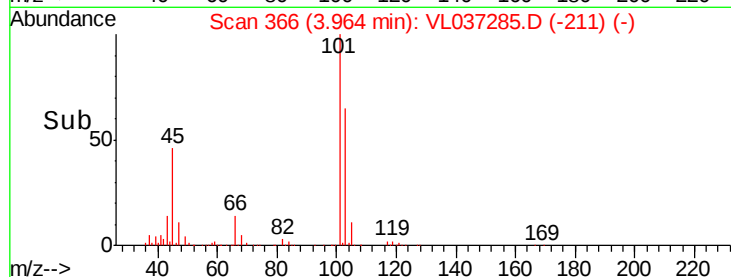
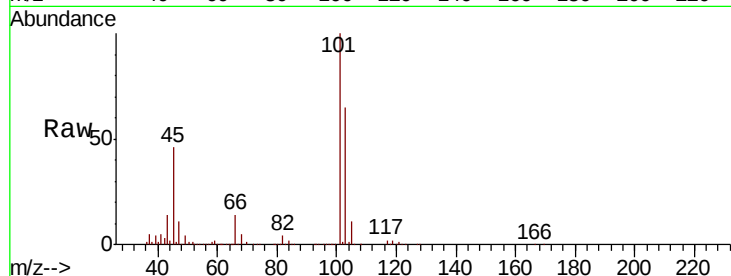
ClientSampleId :

Tot Ion: 45 Resp: 942041

Ion Ratio Lower Upper

45 100

58 3.6 3.0 4.4



#20

Methylene Chloride

Concen: 11.084 ppbv

RT: 4.34 min Scan# 484

Delta R.T. 0.00 min

Lab File: VL037285.D

Acq: 27 Jul 2021 6:27

Tgt Ion: 84 Resp: 1038007

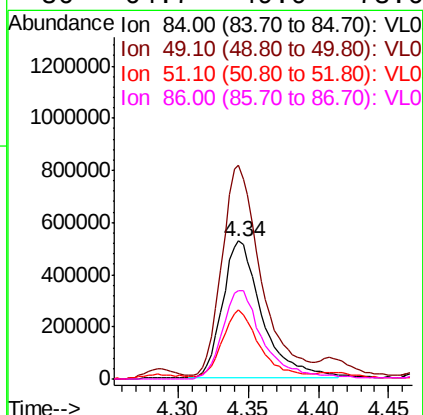
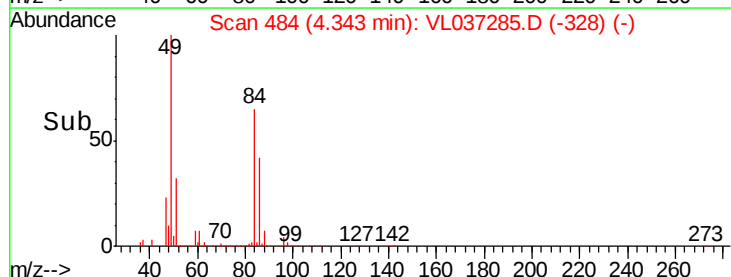
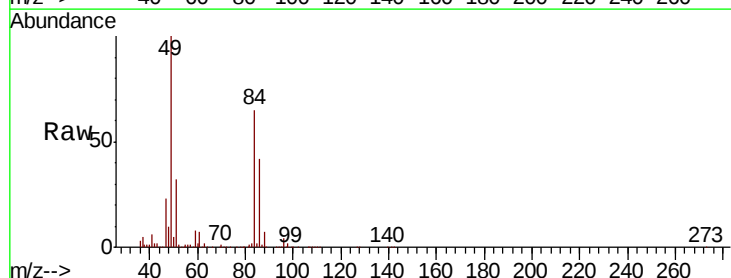
Ion Ratio Lower Upper

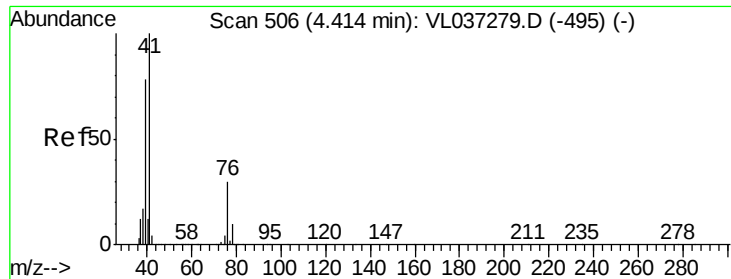
84 100

49 152.8 119.0 178.6

51 48.8 35.0 52.4

86 64.7 49.0 73.6

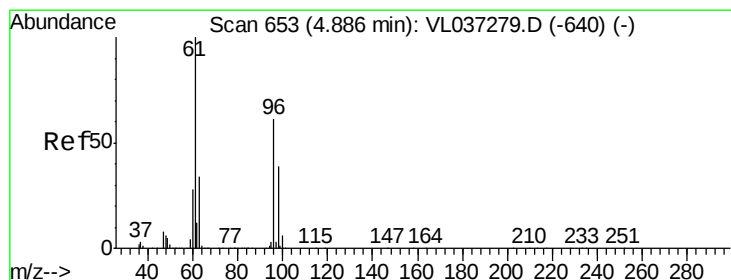
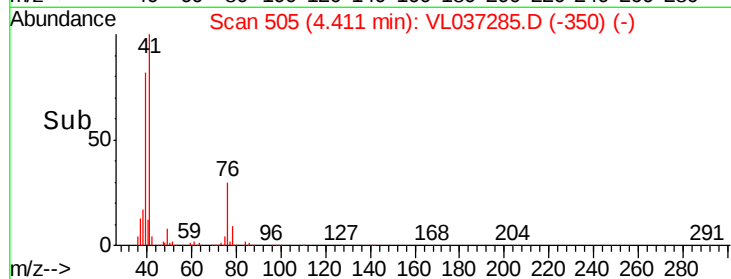
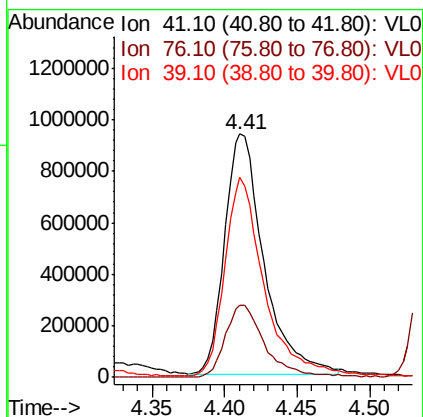
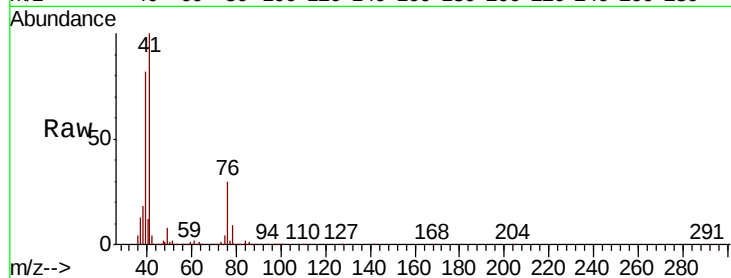




#21
Allvl Chloride
Concen: 14.821 ppbv
RT: 4.41 min Scan# 505
Delta R.T. -0.00 min
Lab File: VL037285.D
Acq: 27 Jul 2021 6:27

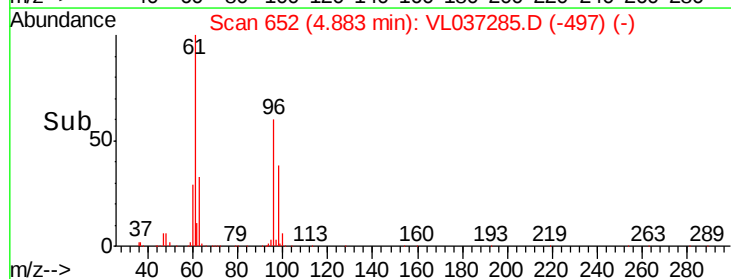
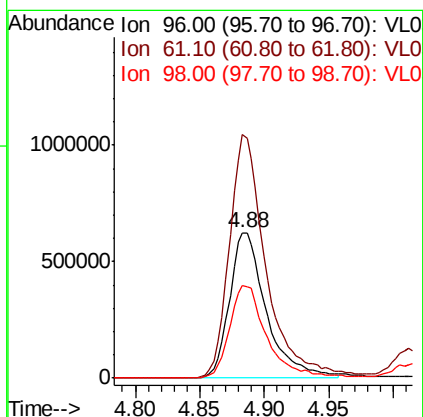
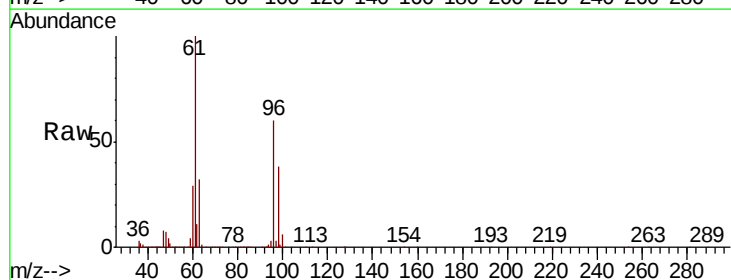
Instrument :
MSVOA_L
ClientSampleId :

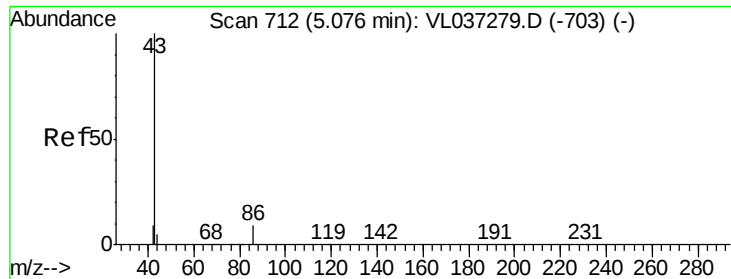
Tot Ion: 41 Resp: 1750832
Ion Ratio Lower Upper
41 100
76 30.8 23.6 35.4
39 83.1 63.8 95.6



#22
trans-1,2-Dichloroethene
Concen: 15.612 ppbv
RT: 4.88 min Scan# 652
Delta R.T. -0.00 min
Lab File: VL037285.D
Acq: 27 Jul 2021 6:27

Tgt Ion: 96 Resp: 1240841
Ion Ratio Lower Upper
96 100
61 167.4 131.8 197.6
98 63.7 51.4 77.2



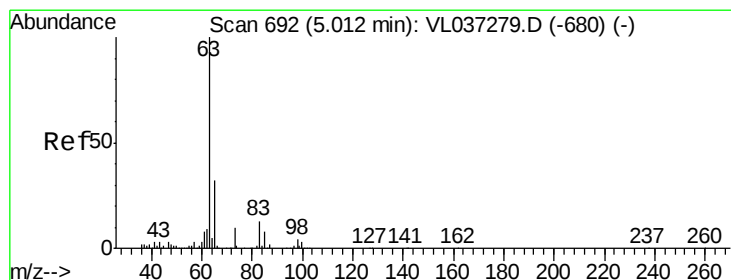
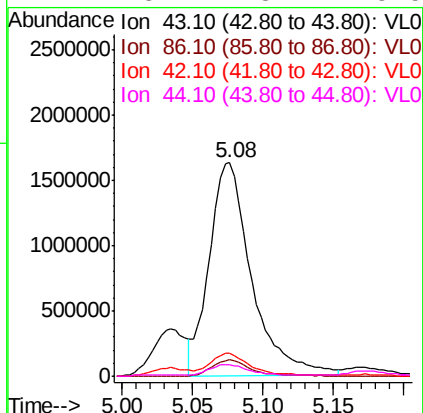
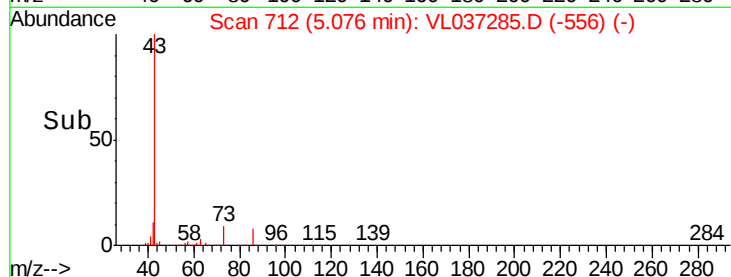
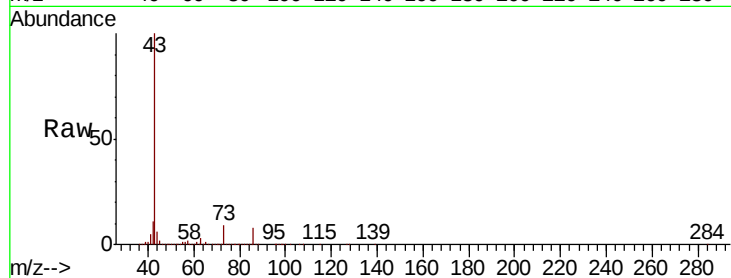


#23
 Vinyl Acetate
 Concen: 15.408 ppbv
 RT: 5.08 min Scan# 712
 Delta R.T. 0.00 min
 Lab File: VL037285.D
 Acq: 27 Jul 2021 6:27

Instrument :
 MSVOA_L
 ClientSampled :

Tot Ion: 43 Resp: 3415757

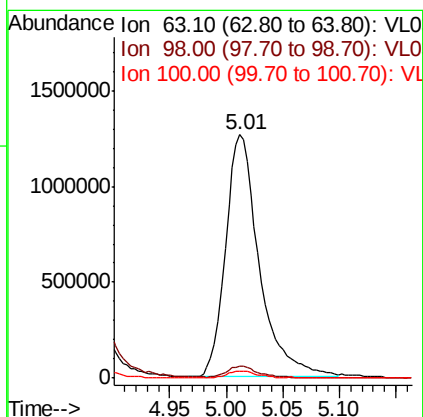
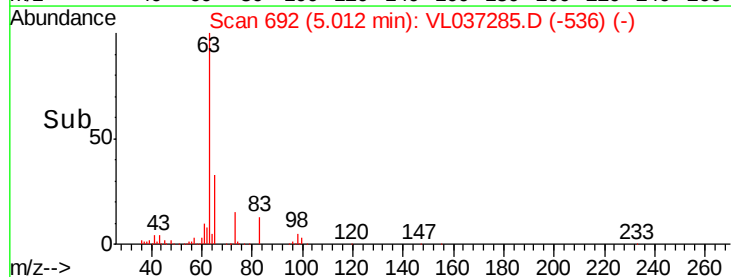
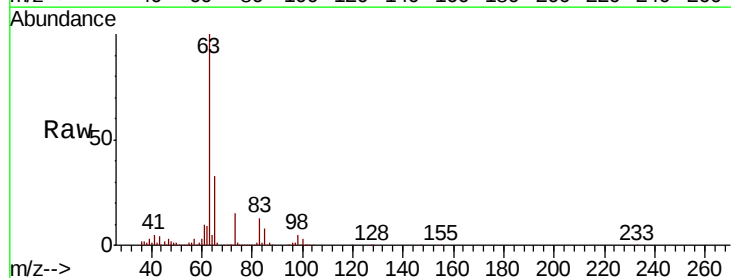
Ion	Ratio	Lower	Upper
43	100		
86	7.9	6.2	9.2
42	10.3	8.2	12.4
44	5.1	3.7	5.5

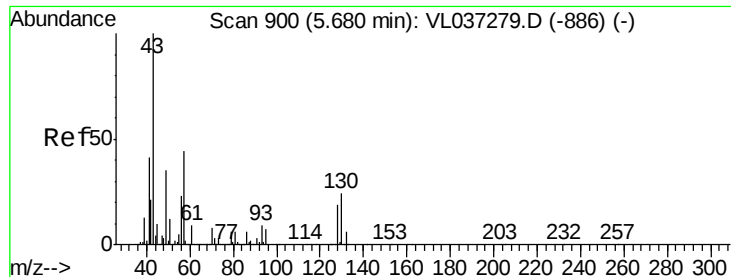


#24
 1,1-Dichloroethane
 Concen: 14.618 ppbv
 RT: 5.01 min Scan# 692
 Delta R.T. 0.00 min
 Lab File: VL037285.D
 Acq: 27 Jul 2021 6:27

Tgt Ion: 63 Resp: 2628027

Ion	Ratio	Lower	Upper
63	100		
98	4.5	2.4	7.1
100	2.9	1.4	4.0





#25

Ethyl Acetate

Concen: 14.280 ppbv

RT: 5.68 min Scan# 900

Delta R.T. 0.00 min

Lab File: VL037285.D

Acq: 27 Jul 2021 6:27

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 4795179

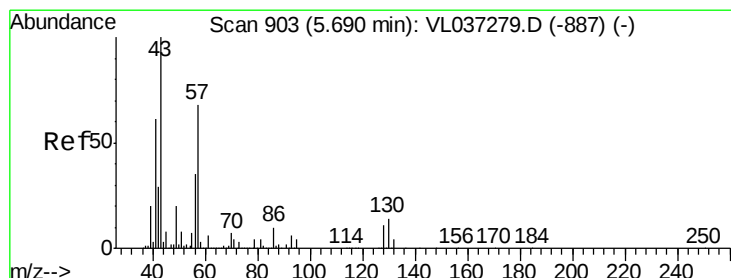
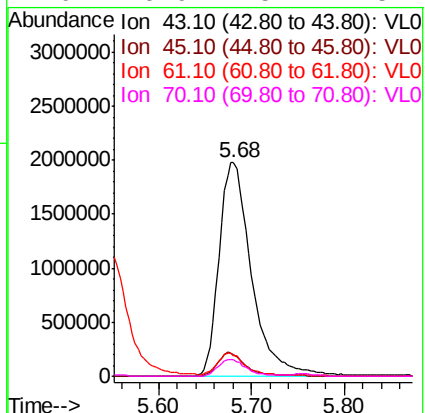
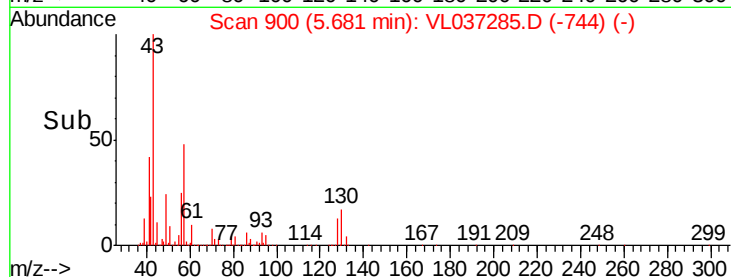
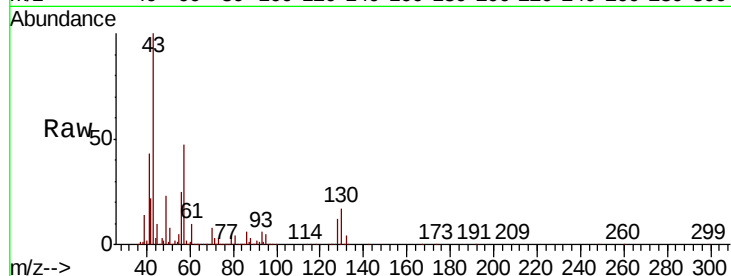
Ion	Ratio	Lower	Upper
43	100		
45	9.8	7.8	11.6
61	9.7	8.0	12.0
70	6.9	5.4	8.2

43 100

45 9.8 7.8 11.6

61 9.7 8.0 12.0

70 6.9 5.4 8.2



#26

Hexane

Concen: 13.207 ppbv

RT: 5.69 min Scan# 902

Delta R.T. -0.00 min

Lab File: VL037285.D

Acq: 27 Jul 2021 6:27

Tgt Ion: 57 Resp: 2233430

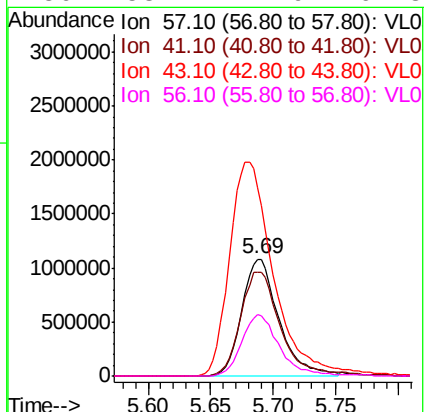
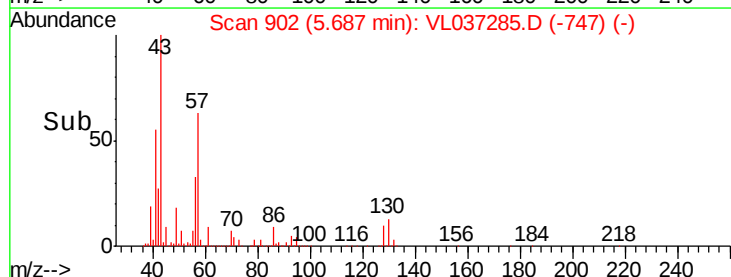
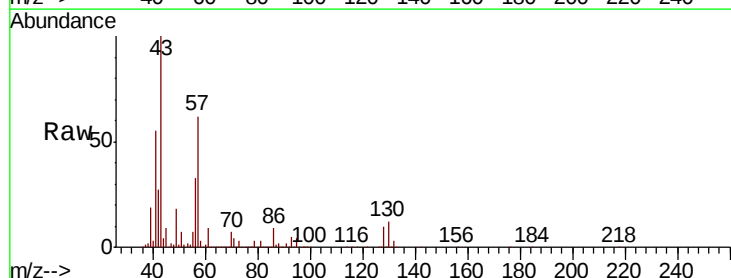
Ion	Ratio	Lower	Upper
57	100		
41	96.3	75.7	113.5
43	216.2	172.2	258.2
56	53.7	42.9	64.3

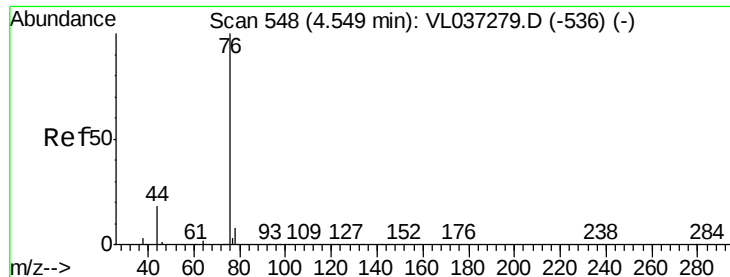
57 100

41 96.3 75.7 113.5

43 216.2 172.2 258.2

56 53.7 42.9 64.3

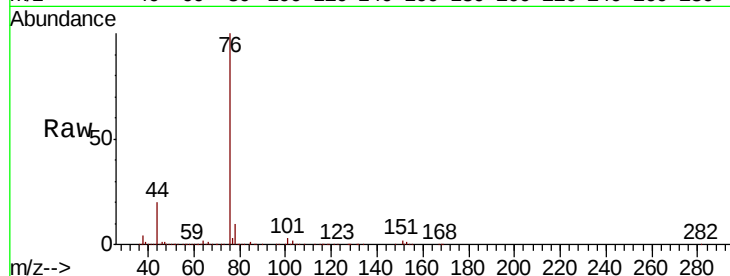




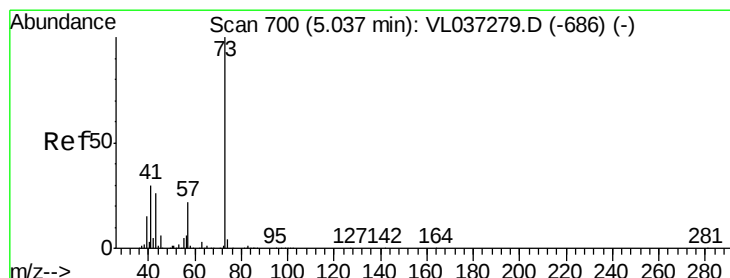
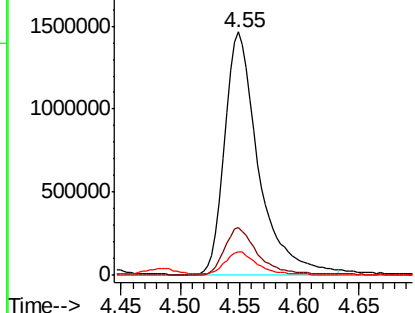
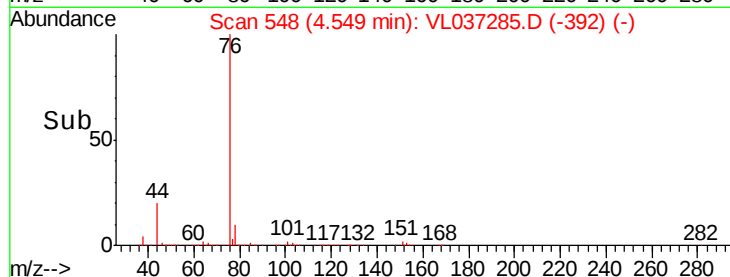
#27
Carbon Disulfide
Concen: 17.238 ppbv
RT: 4.55 min Scan# 548
Delta R.T. 0.00 min
Lab File: VL037285.D
Acq: 27 Jul 2021 6:27

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 76 Resp: 2880064
Ion Ratio Lower Upper
76 100
44 19.5 15.8 23.8
78 10.1 8.4 12.6

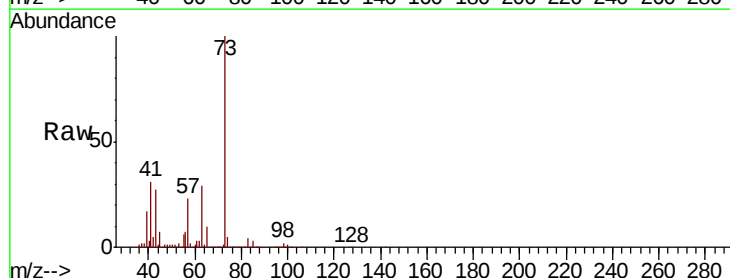


Abundance Ion 76.00 (75.70 to 76.70): VL0
2000000 Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0

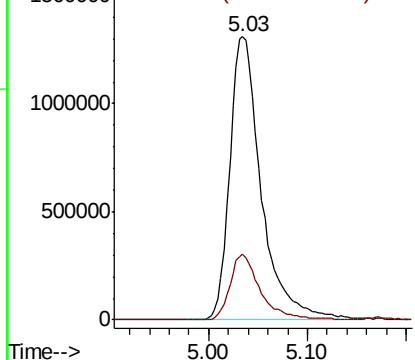
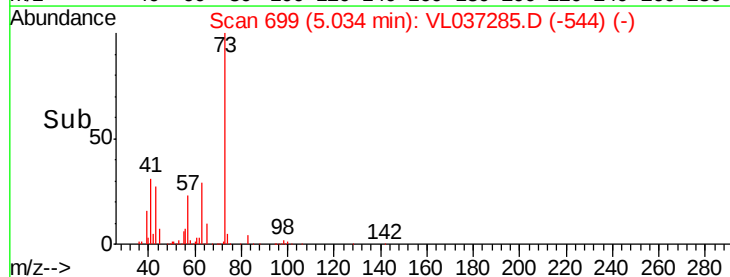


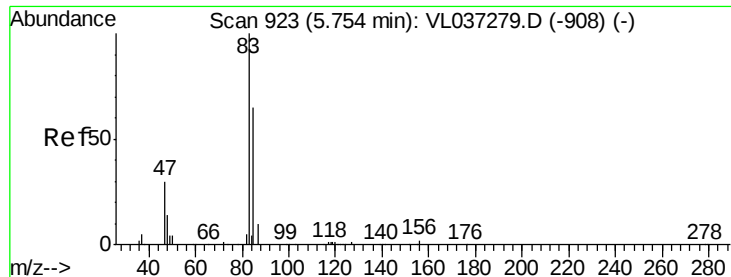
#28
Methyl tert-Butyl Ether
Concen: 14.292 ppbv
RT: 5.03 min Scan# 699
Delta R.T. -0.00 min
Lab File: VL037285.D
Acq: 27 Jul 2021 6:27

Tgt Ion: 73 Resp: 2907531
Ion Ratio Lower Upper
73 100
57 22.5 17.9 26.9



Abundance Ion 73.10 (72.80 to 73.80): VL0
1500000 Ion 57.10 (56.80 to 57.80): VL0

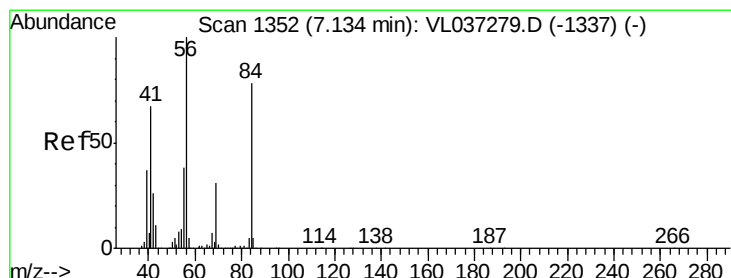
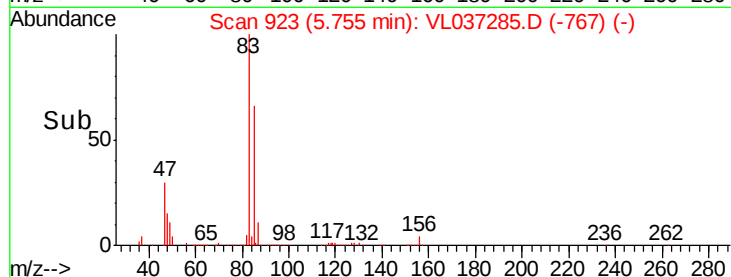
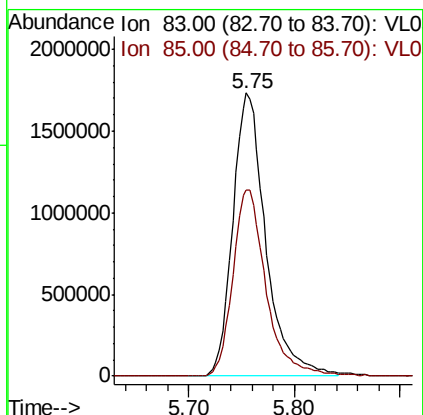
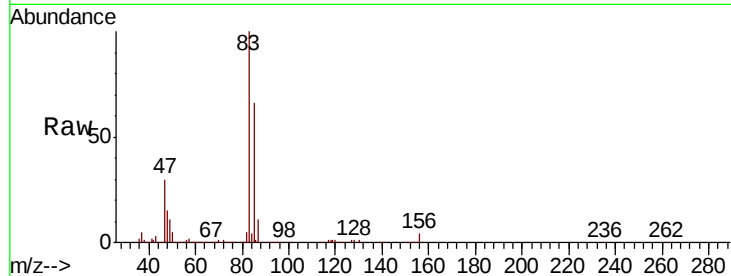




#29
Chloroform
Concen: 14.254 ppbv
RT: 5.75 min Scan# 923
Delta R.T. 0.00 min
Lab File: VL037285.D
Acq: 27 Jul 2021 6:27

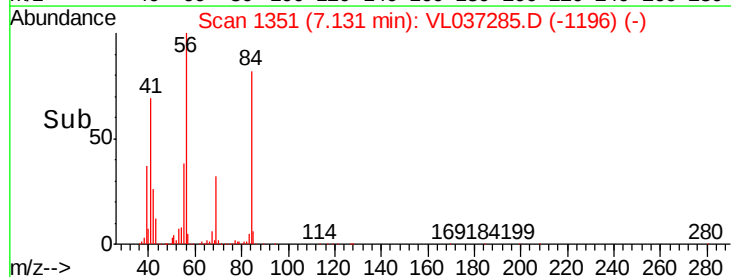
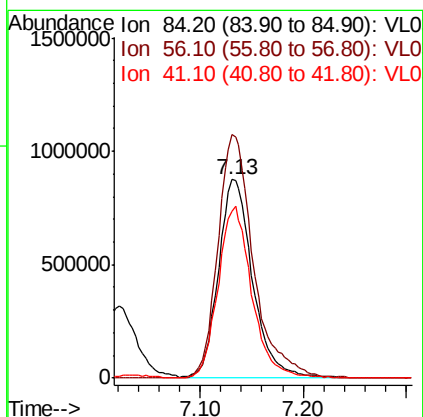
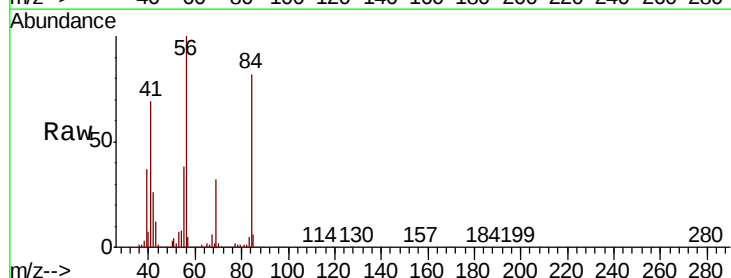
Instrument :
MSVOA_L
ClientSampled :

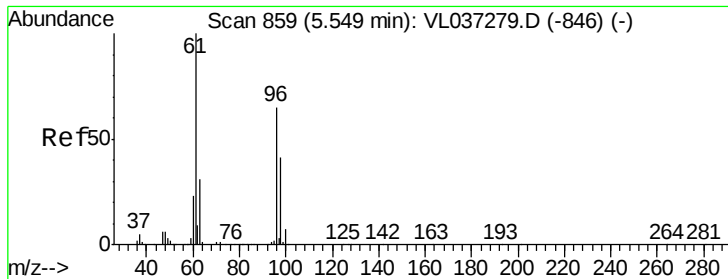
Tot Ion: 83 Resp: 3752423
Ion Ratio Lower Upper
83 100
85 65.4 52.2 78.2



#30
Cyclohexane
Concen: 14.208 ppbv
RT: 7.13 min Scan# 1351
Delta R.T. -0.00 min
Lab File: VL037285.D
Acq: 27 Jul 2021 6:27

Tgt Ion: 84 Resp: 2003294
Ion Ratio Lower Upper
84 100
56 129.2 106.3 159.5
41 85.8 68.6 103.0



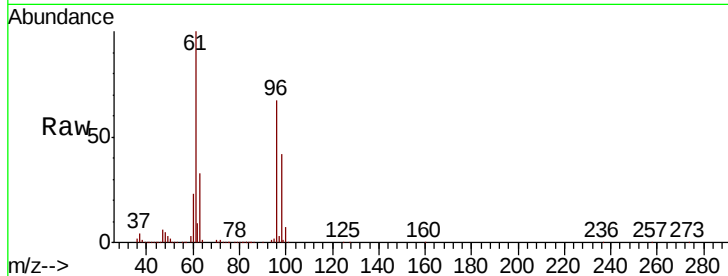


#31

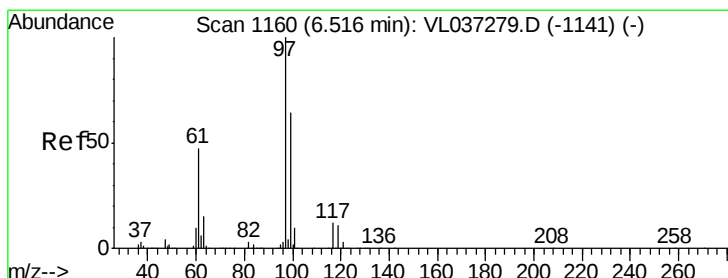
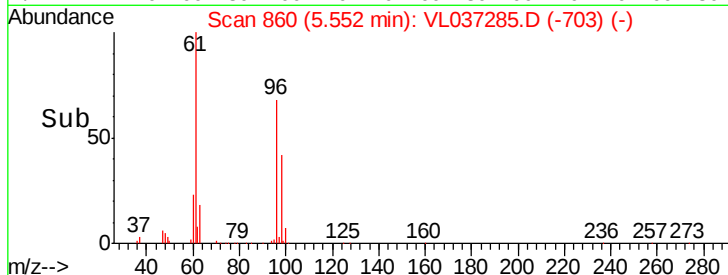
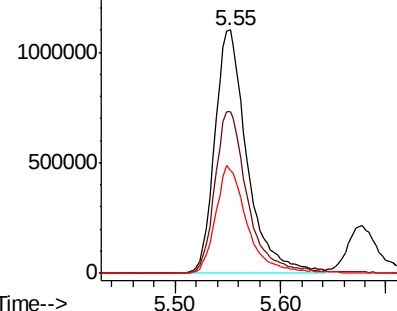
cis-1,2-Dichloroethene
Concen: 14.956 ppbv
RT: 5.55 min Scan# 860
Delta R.T. 0.00 min
Lab File: VL037285.D
Acq: 27 Jul 2021 6:27

Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 61 Resp: 2333152
Ion Ratio Lower Upper
61 100
96 66.5 52.1 78.1
98 42.0 32.6 49.0



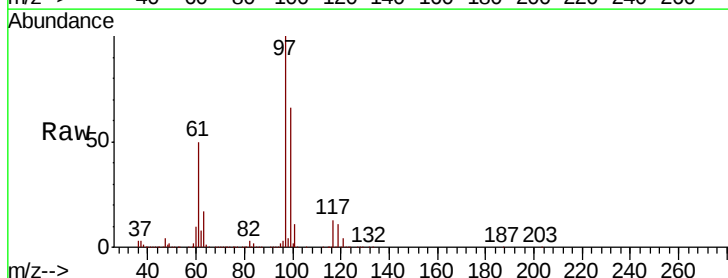
Abundance Ion 61.10 (60.80 to 61.80): VL0
Ion 96.00 (95.70 to 96.70): VL0
Ion 98.00 (97.70 to 98.70): VL0



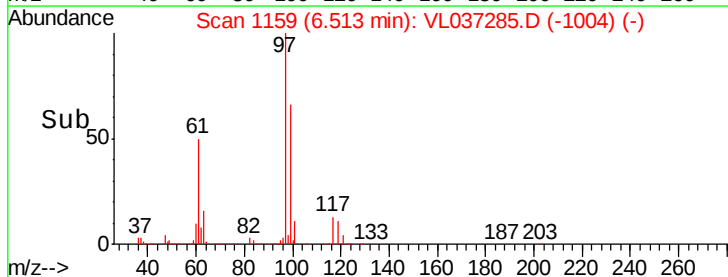
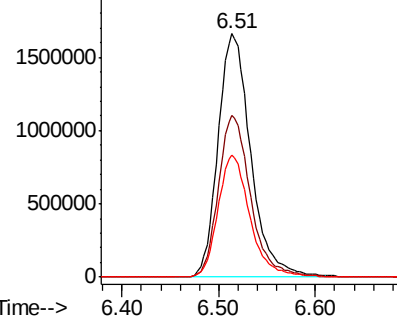
#32

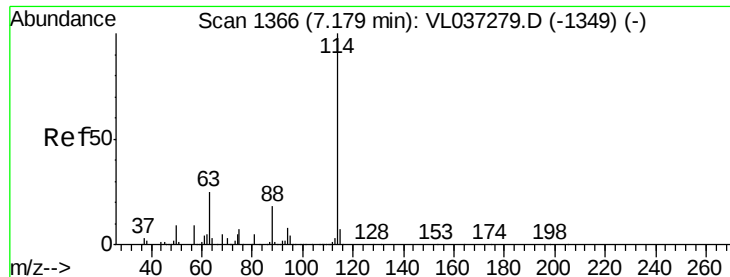
1,1,1-Trichloroethane
Concen: 13.928 ppbv
RT: 6.51 min Scan# 1159
Delta R.T. -0.00 min
Lab File: VL037285.D
Acq: 27 Jul 2021 6:27

Tgt Ion: 97 Resp: 3902763
Ion Ratio Lower Upper
97 100
99 65.6 52.2 78.2
61 49.0 39.1 58.7



Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0

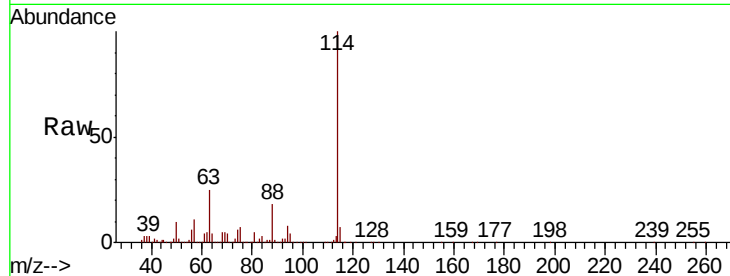




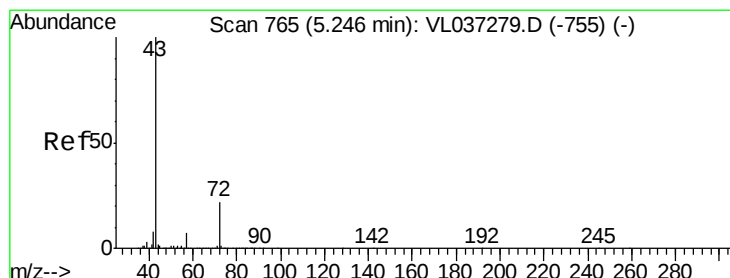
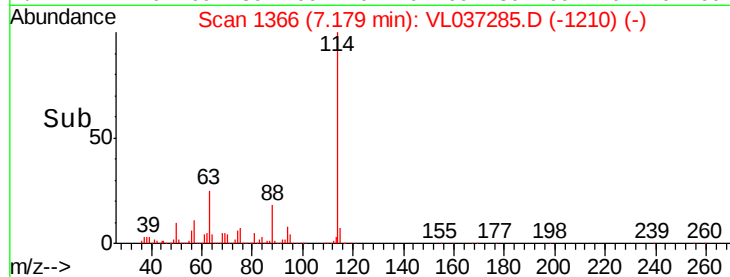
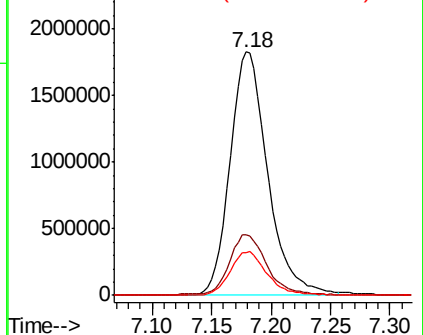
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1366
 Delta R.T. 0.00 min
 Lab File: VL037285.D
 Acq: 27 Jul 2021 6:27

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:114 Resp: 4003560
 Ion Ratio Lower Upper
 114 100
 63 25.3 20.2 30.2
 88 17.8 14.2 21.4

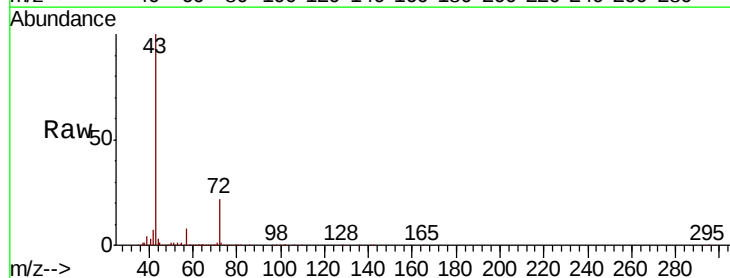


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

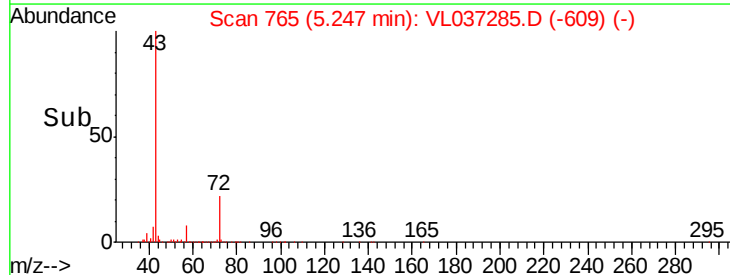
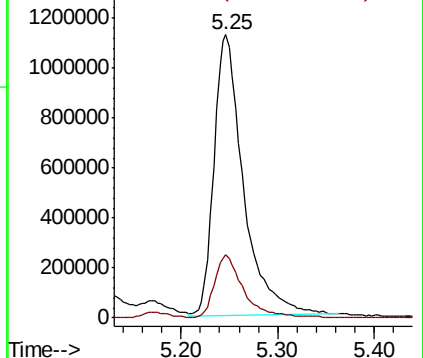


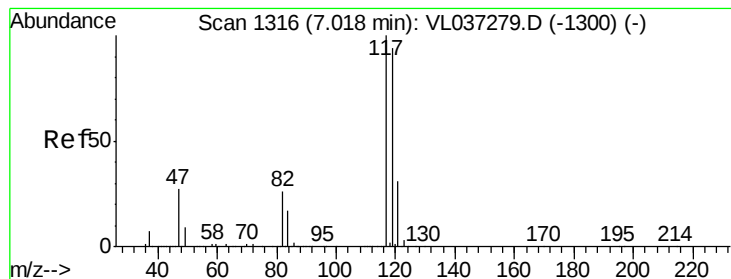
#34
 2-Butanone
 Concen: 14.961 ppbv
 RT: 5.25 min Scan# 765
 Delta R.T. 0.00 min
 Lab File: VL037285.D
 Acq: 27 Jul 2021 6:27

Tgt Ion: 43 Resp: 2375726
 Ion Ratio Lower Upper
 43 100
 72 22.6 17.9 26.9



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





#35

Carbon Tetrachloride

Concen: 15.504 ppbv

RT: 7.02 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VL037285.D

Acq: 27 Jul 2021 6:27

Instrument :

MSVOA_L

ClientSampleId :

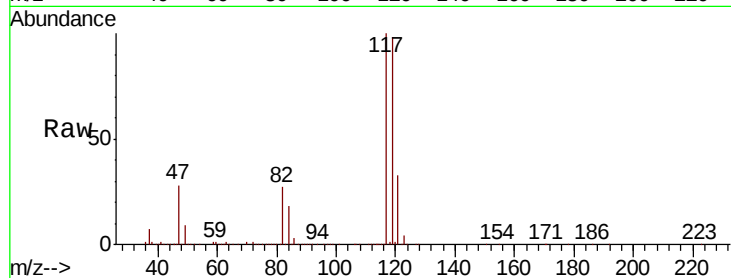
Tot Ion:117 Resp: 4218328

Ion Ratio Lower Upper

117 100

119 97.8 75.4 113.0

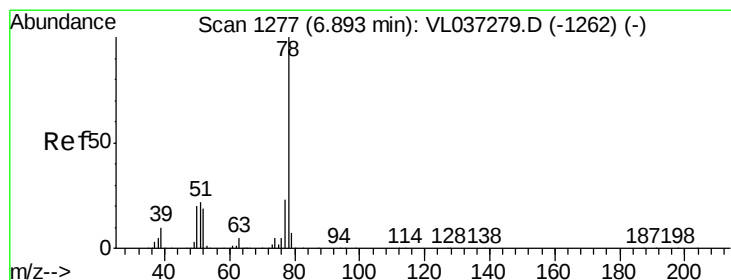
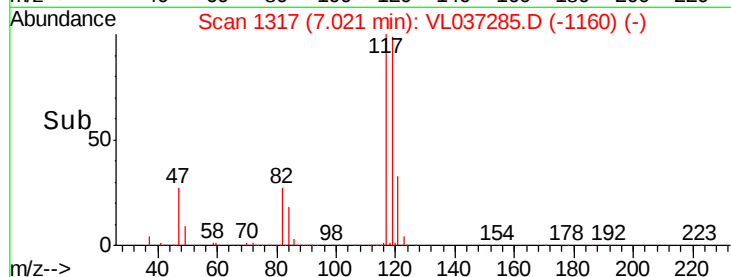
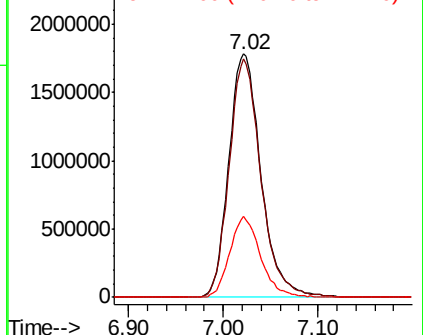
121 33.1 24.8 37.2



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: 14.319 ppbv

RT: 6.90 min Scan# 1278

Delta R.T. 0.00 min

Lab File: VL037285.D

Acq: 27 Jul 2021 6:27

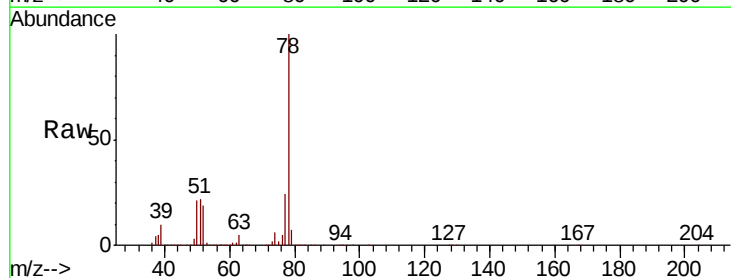
Tgt Ion: 78 Resp: 4666085

Ion Ratio Lower Upper

78 100

77 24.0 18.5 27.7

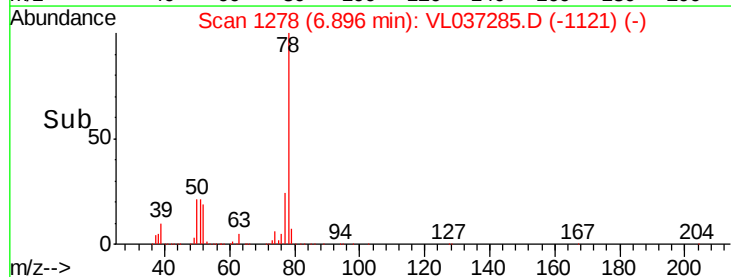
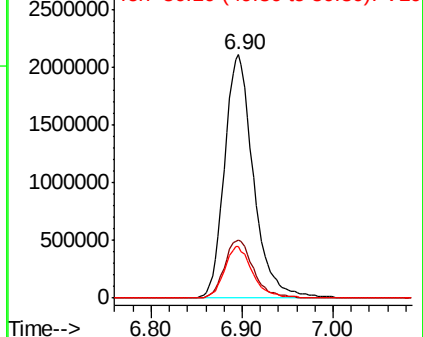
50 21.1 16.2 24.4

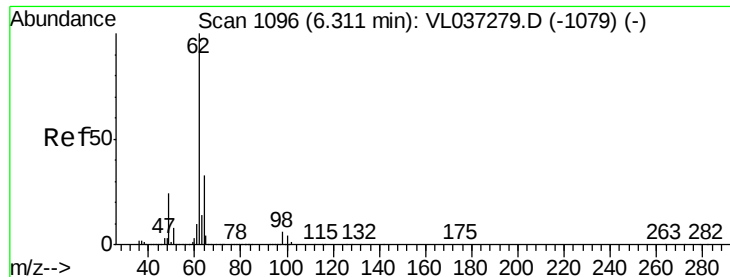


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 15.079 ppbv

RT: 6.31 min Scan# 1096

Delta R.T. 0.00 min

Lab File: VL037285.D

Acq: 27 Jul 2021 6:27

Instrument :

MSVOA_L

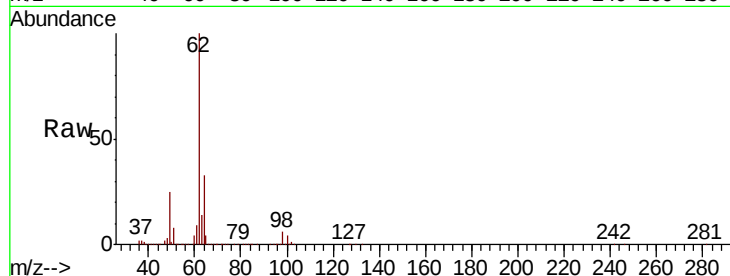
ClientSampleId :

Tot Ion: 62 Resp: 2890505

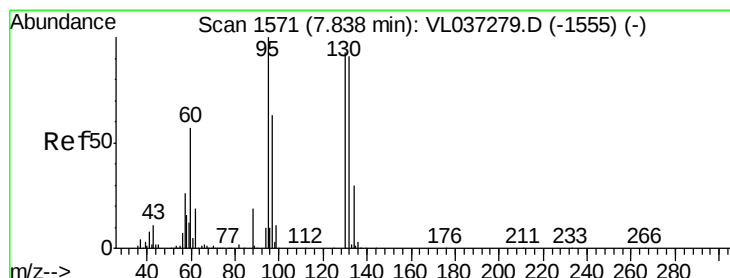
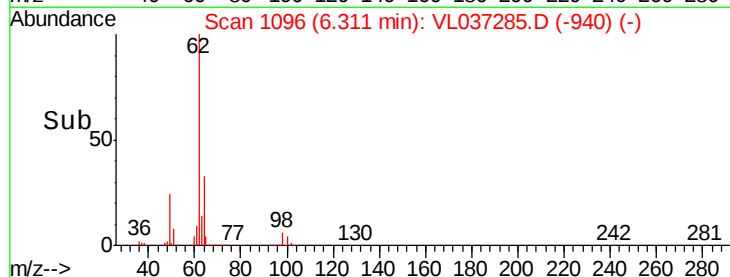
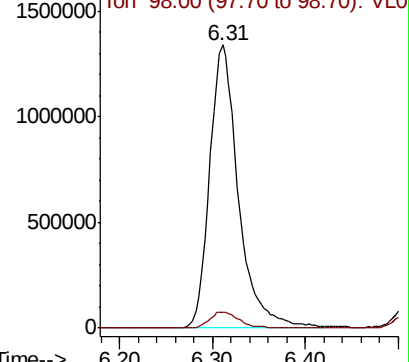
Ion Ratio Lower Upper

62 100

98 6.0 4.9 7.3



Abundance Ion 62.10 (61.80 to 62.80): VL0



#38

Trichloroethene

Concen: 13.035 ppbv

RT: 7.84 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VL037285.D

Acq: 27 Jul 2021 6:27

Tgt Ion: 130 Resp: 2019612

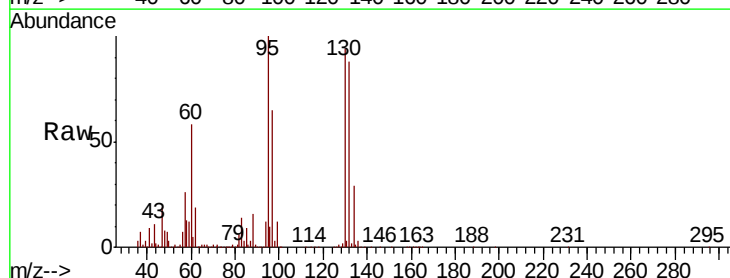
Ion Ratio Lower Upper

130 100

95 107.2 86.2 129.2

132 94.3 78.0 117.0

97 69.3 53.8 80.8

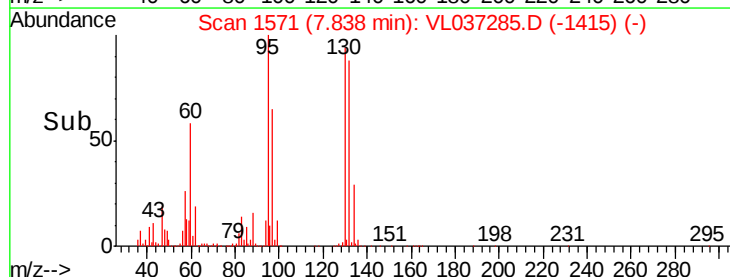


Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0



Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0

Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

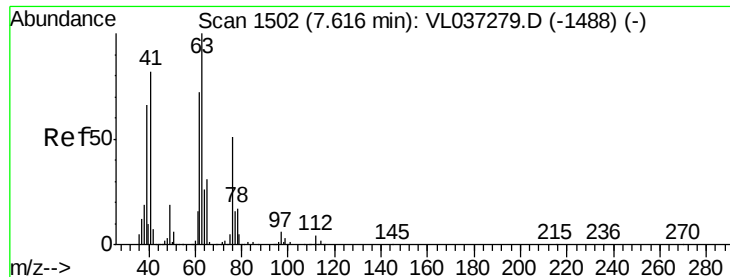
Ion 97.00 (96.70 to 97.70): VL0

Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0



#39

1,2-Dichloropropane

Concen: 14.900 ppbv

RT: 7.62 min Scan# 1503

Delta R.T. 0.00 min

Lab File: VL037285.D

Acq: 27 Jul 2021 6:27

Instrument :

MSVOA_L

ClientSampleId :

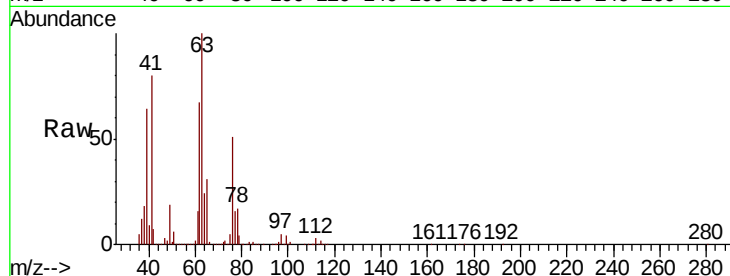
Tot Ion: 63 Resp: 1804052

Ion Ratio Lower Upper

63 100

41 79.3 65.6 98.4

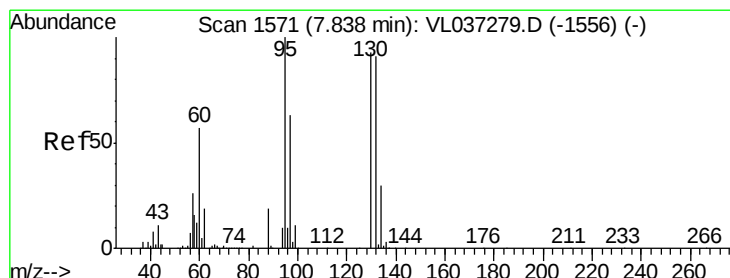
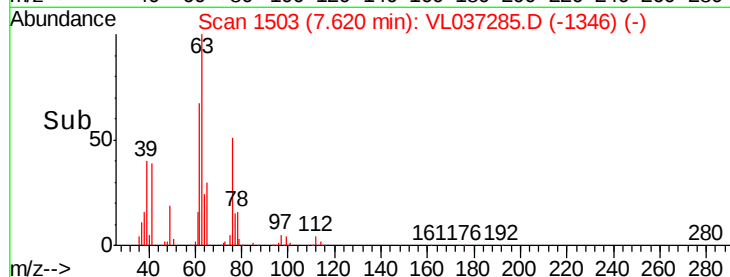
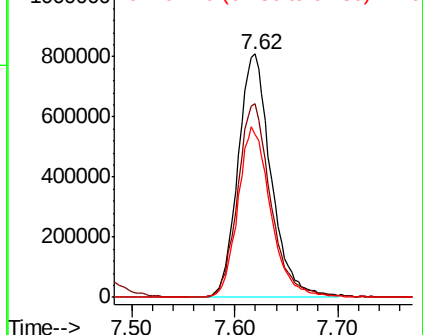
62 66.8 57.9 86.9



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 12.225 ppbv

RT: 7.83 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VL037285.D

Acq: 27 Jul 2021 6:27

Tgt Ion: 88 Resp: 400609

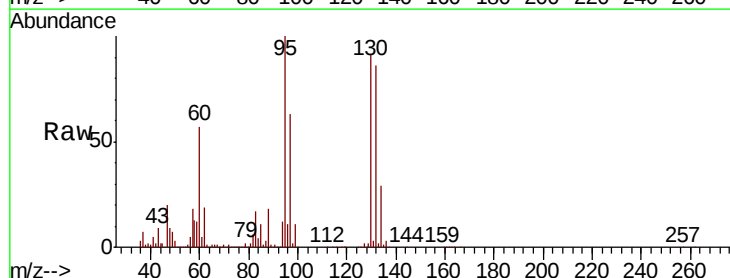
Ion Ratio Lower Upper

88 100

58 0.0 0.0 0.0

43 0.0 0.0 0.0

57 0.0 0.0 0.0

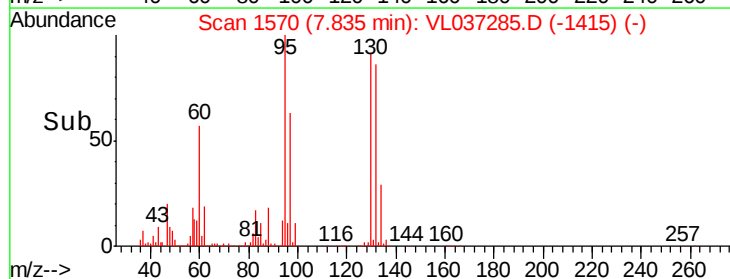
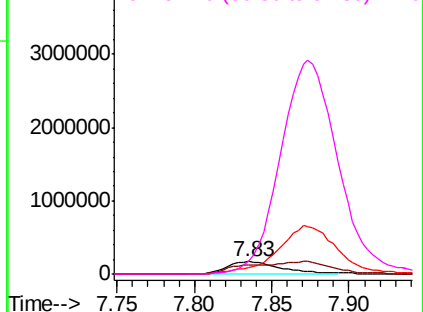


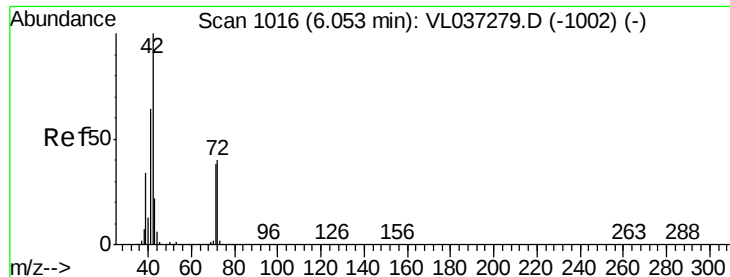
Abundance Ion 88.10 (87.80 to 88.80): VL0

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: 15.561 ppbv

RT: 6.05 min Scan# 1015

Delta R.T. -0.00 min

Lab File: VL037285.D

Acq: 27 Jul 2021 6:27

Instrument :

MSVOA_L

ClientSampleId :

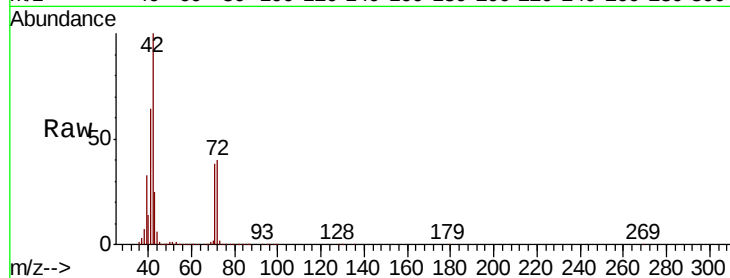
Tot Ion: 42 Resp: 1136912

Ion Ratio Lower Upper

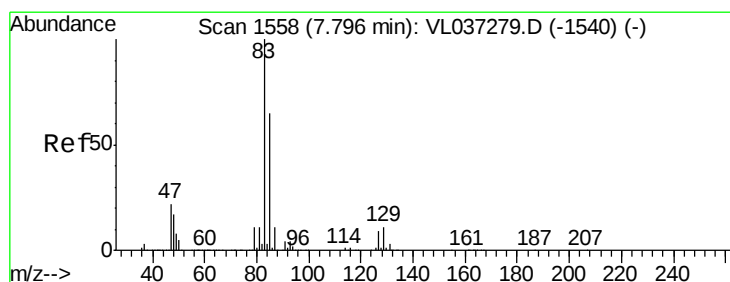
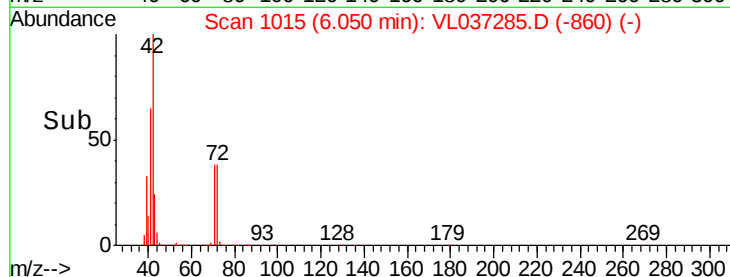
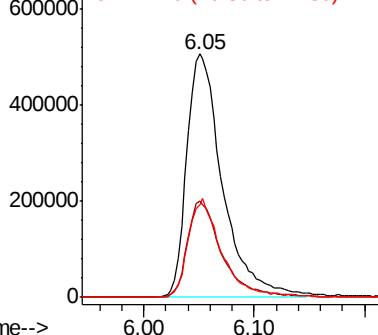
42 100

72 38.8 31.4 47.0

71 38.4 31.0 46.6



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: 15.377 ppbv

RT: 7.80 min Scan# 1558

Delta R.T. 0.00 min

Lab File: VL037285.D

Acq: 27 Jul 2021 6:27

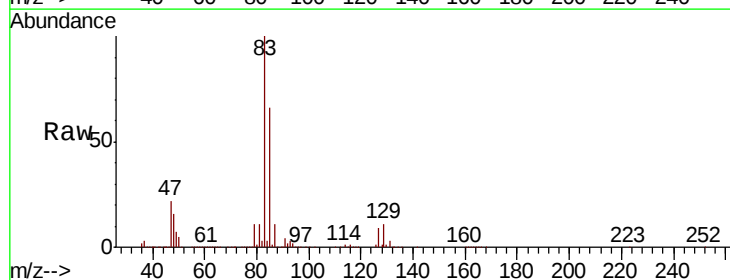
Tgt Ion: 83 Resp: 4030476

Ion Ratio Lower Upper

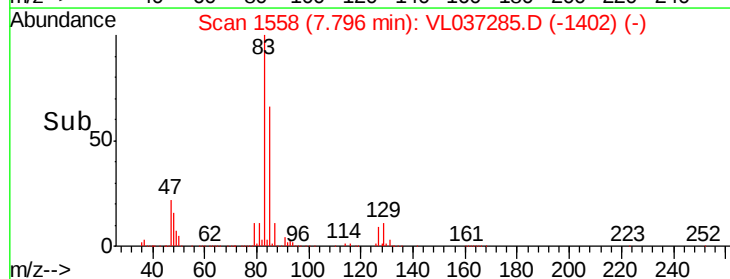
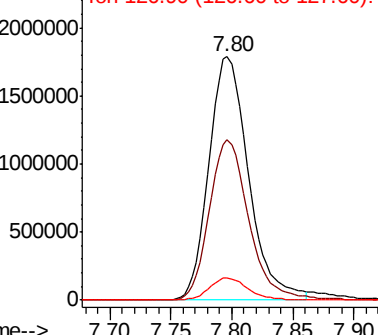
83 100

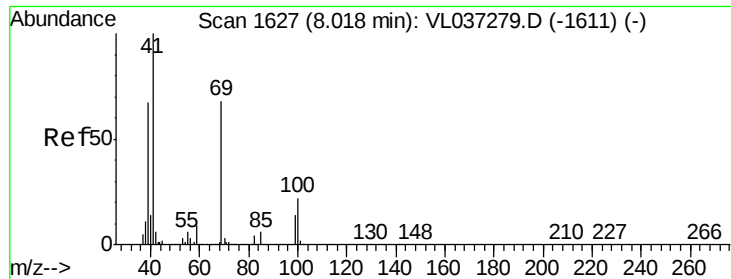
85 65.9 51.7 77.5

127 9.2 7.4 11.0



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

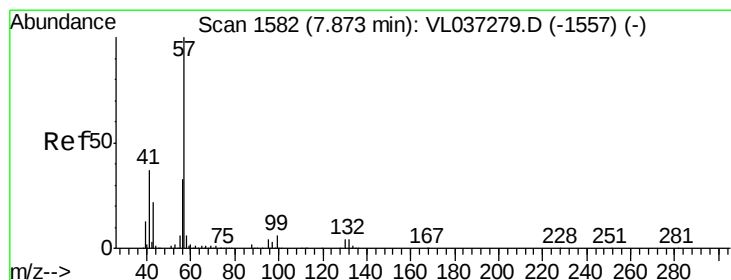
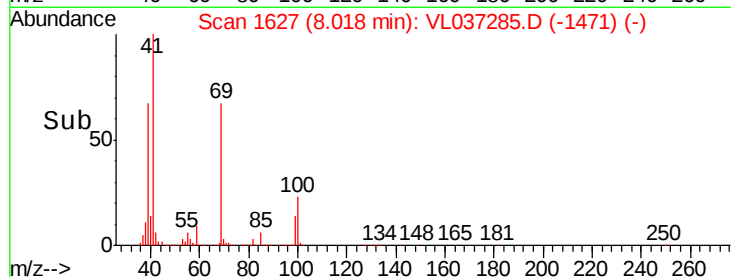
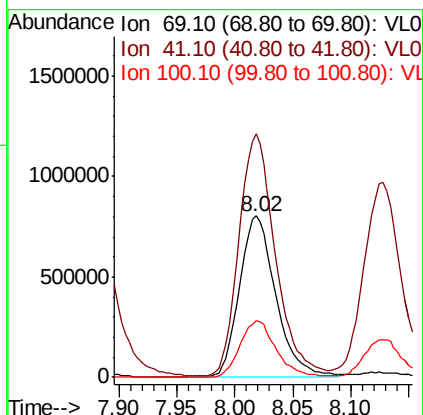
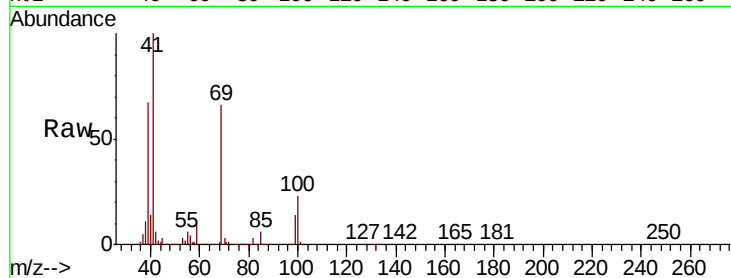




#43
Methvl Methacrilate
Concen: 15.573 ppbv
RT: 8.02 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VL037285.D
Acq: 27 Jul 2021 6:27

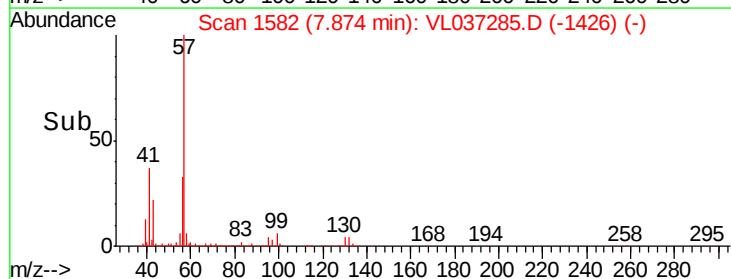
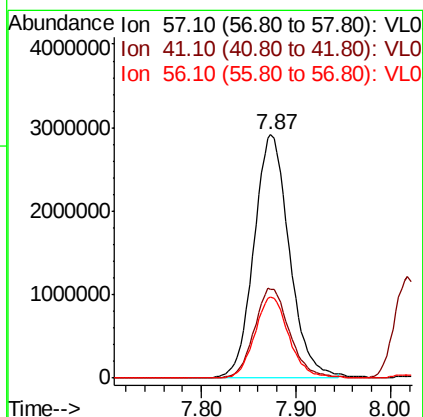
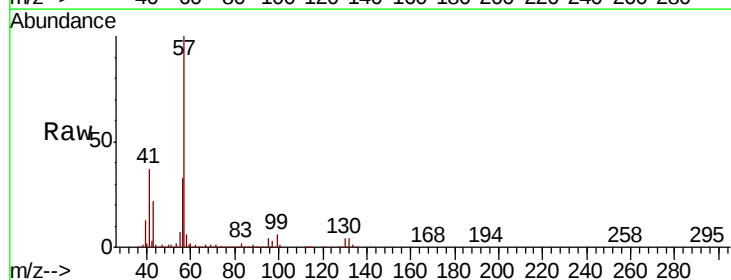
Instrument :
MSVOA_L
ClientSampleId :

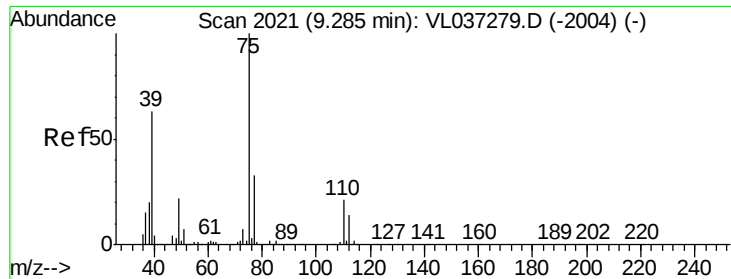
Tot Ion: 69 Resp: 1754141
Ion Ratio Lower Upper
69 100
41 150.5 121.5 182.3
100 35.2 27.4 41.2



#44
2,2,4-Trimethylpentane
Concen: 13.731 ppbv
RT: 7.87 min Scan# 1582
Delta R.T. 0.00 min
Lab File: VL037285.D
Acq: 27 Jul 2021 6:27

Tgt Ion: 57 Resp: 7557731
Ion Ratio Lower Upper
57 100
41 36.7 28.9 43.3
56 32.2 25.1 37.7





#45

t-1,3-Dichloropropene

Concen: 17.549 ppbv

RT: 9.28 min Scan# 2020

Delta R.T. -0.00 min

Lab File: VL037285.D

Acq: 27 Jul 2021 6:27

Instrument :

MSVOA_L

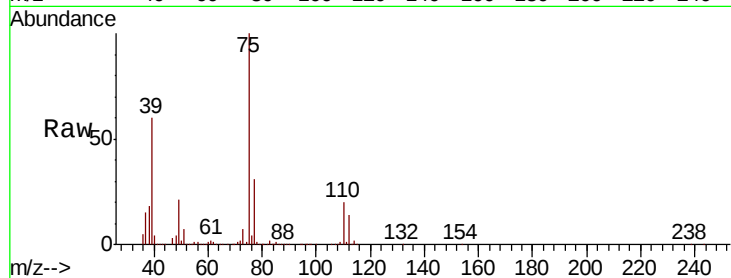
ClientSampleId :

Tot Ion: 75 Resp: 1704827

Ion Ratio Lower Upper

75 100

77 31.4 26.2 39.4



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

800000

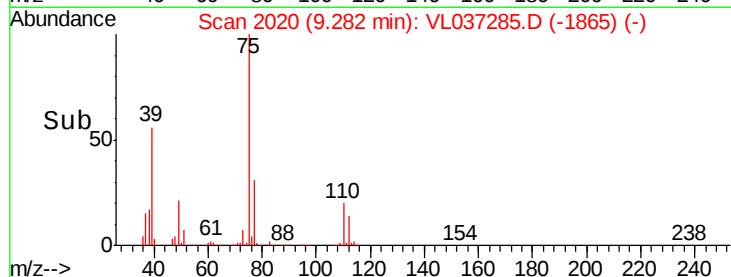
600000

400000

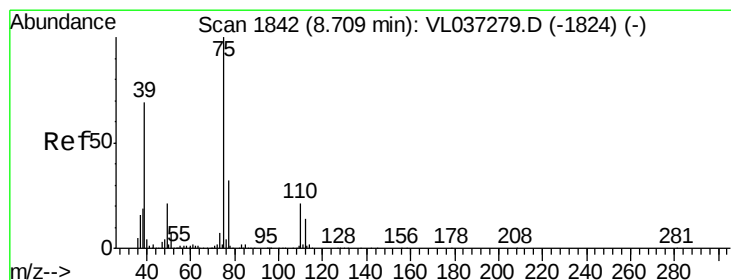
200000

0

9.20 9.25 9.30 9.35



Time-->



#46

cis-1,3-Dichloropropene

Concen: 16.168 ppbv

RT: 8.71 min Scan# 1841

Delta R.T. -0.00 min

Lab File: VL037285.D

Acq: 27 Jul 2021 6:27

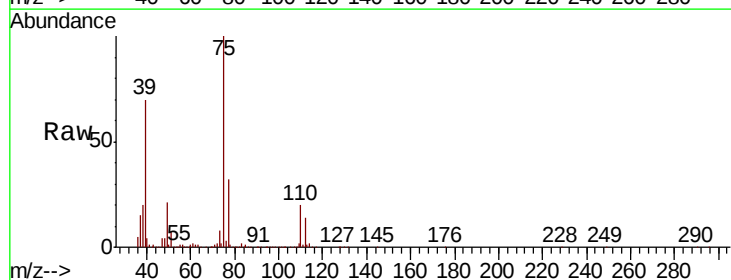
Tgt Ion: 75 Resp: 2156722

Ion Ratio Lower Upper

75 100

39 69.8 55.3 82.9

77 31.9 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

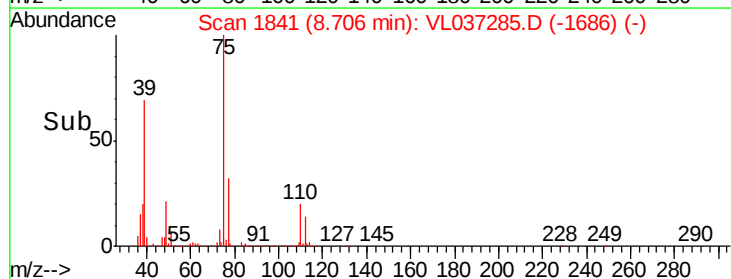
Ion 77.00 (76.70 to 77.70): VL0

1000000

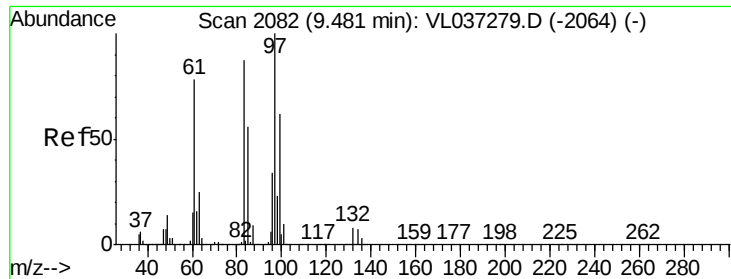
500000

0

8.60 8.70 8.80



Time-->

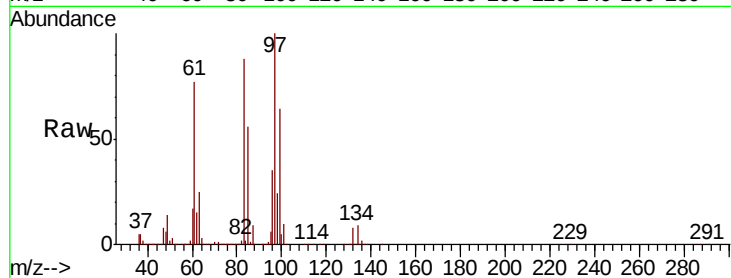


#47
 1,1,2-Trichloroethane
 Concen: 14.631 ppbv
 RT: 9.48 min Scan# 2082
 Delta R.T. 0.00 min
 Lab File: VL037285.D
 Acq: 27 Jul 2021 6:27

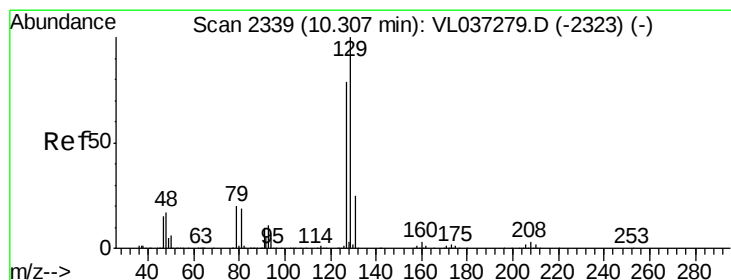
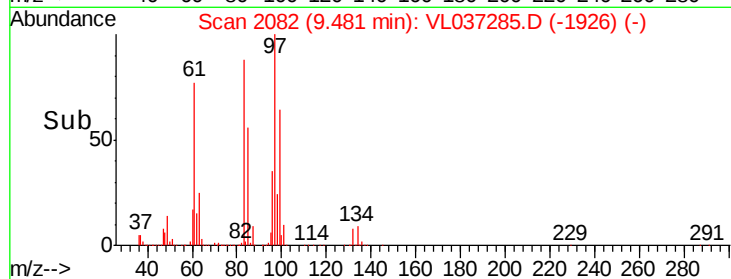
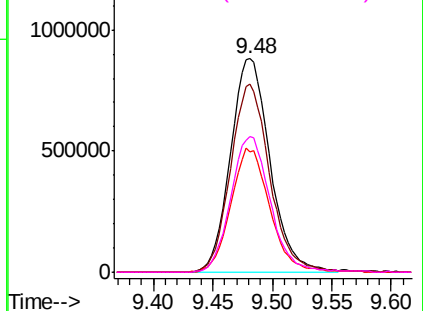
Instrument :
 MSVOA_L
 ClientSampled :

Tot Ion: 97 Resp: 2028870

Ion	Ratio	Lower	Upper
97	100		
83	87.8	69.8	104.8
85	56.4	44.9	67.3
99	63.8	49.8	74.6



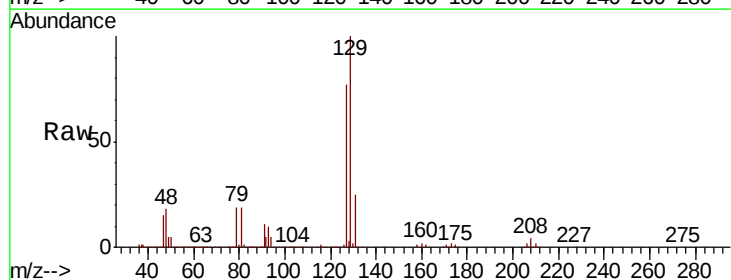
Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0



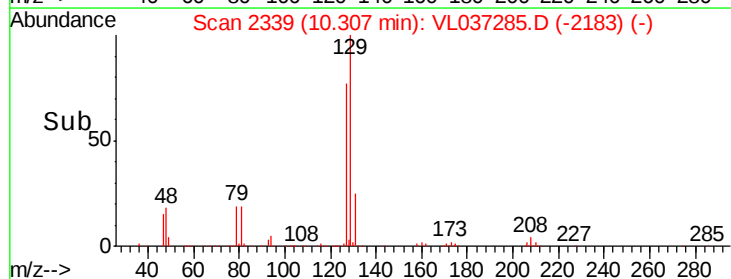
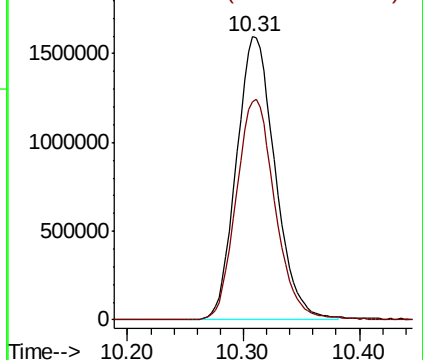
#48
 Dibromochloromethane
 Concen: 16.800 ppbv
 RT: 10.31 min Scan# 2339
 Delta R.T. 0.00 min
 Lab File: VL037285.D
 Acq: 27 Jul 2021 6:27

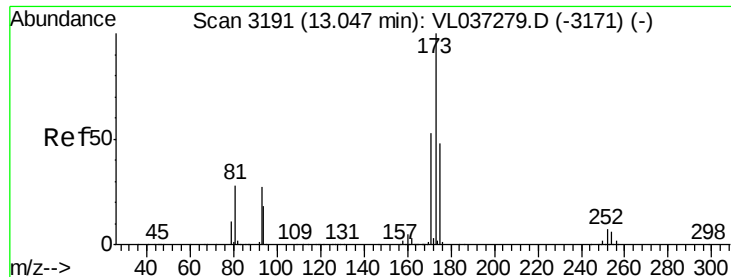
Tgt Ion: 129 Resp: 3700717

Ion	Ratio	Lower	Upper
129	100		
127	78.9	39.3	117.8



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

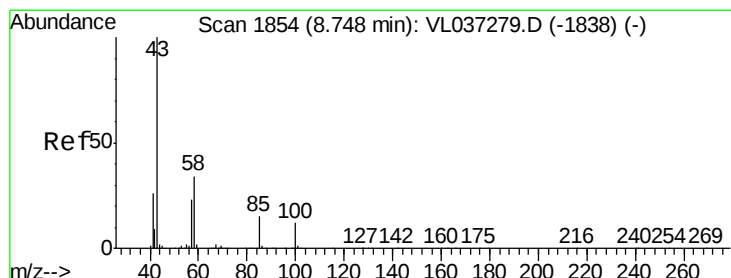
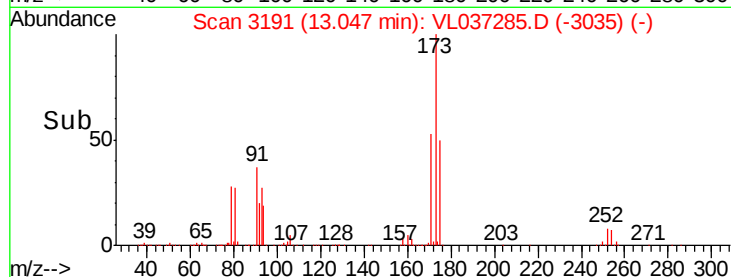
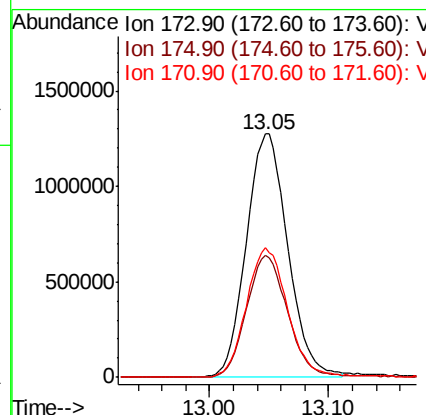
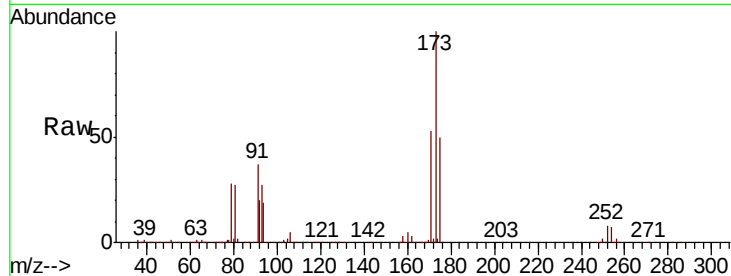




#49
Bromoform
Concen: 18.518 ppbv
RT: 13.05 min Scan# 3191
Delta R.T. 0.00 min
Lab File: VL037285.D
Acq: 27 Jul 2021 6:27

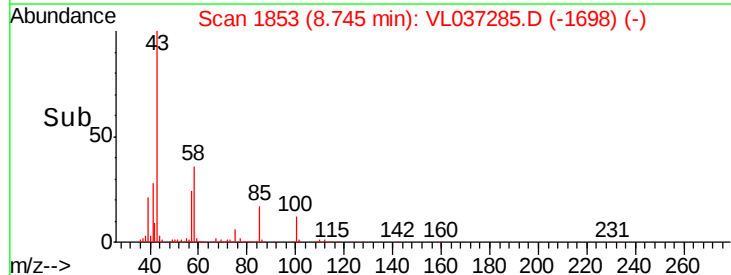
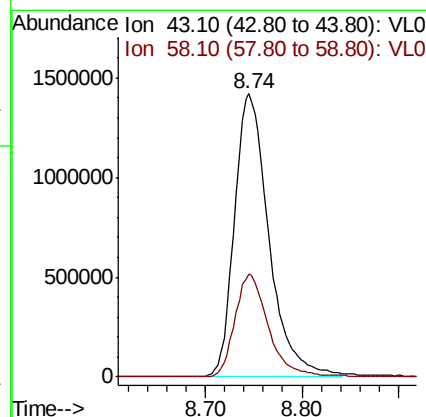
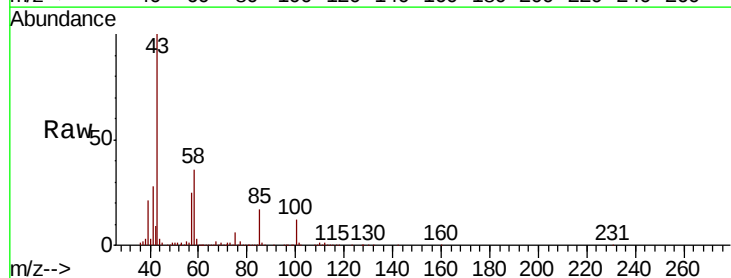
Instrument :
MSVOA_L
ClientSampleId :

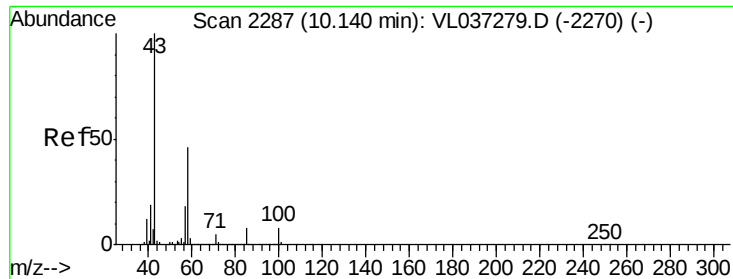
Tot Ion:173 Resp: 3078268
Ion Ratio Lower Upper
173 100
175 50.4 39.7 59.5
171 53.9 41.9 62.9



#50
4-Methyl-2-Pentanone
Concen: 16.071 ppbv
RT: 8.74 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VL037285.D
Acq: 27 Jul 2021 6:27

Tgt Ion: 43 Resp: 3509880
Ion Ratio Lower Upper
43 100
58 35.6 28.1 42.1

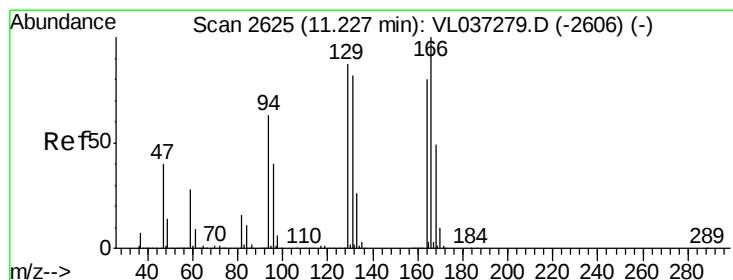
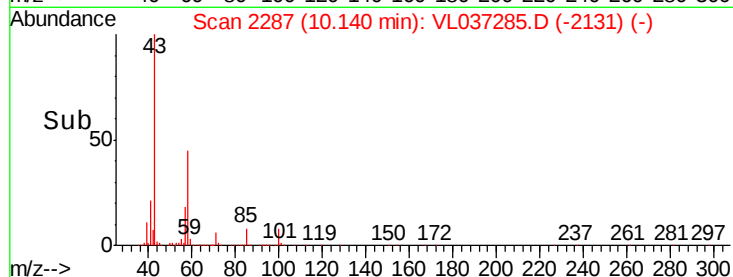
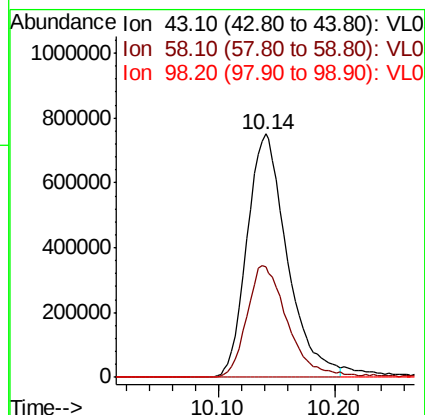
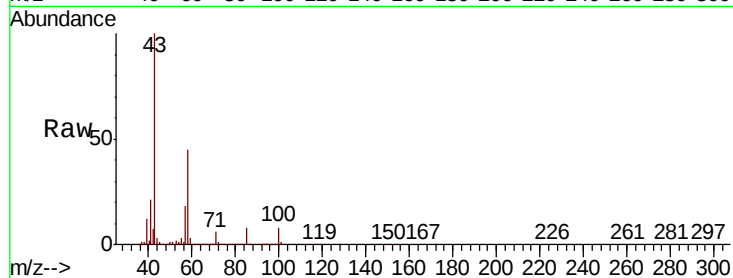




#51
2-Hexanone
Concen: 16.938 ppbv
RT: 10.14 min Scan# 2287
Delta R.T. 0.00 min
Lab File: VL037285.D
Acq: 27 Jul 2021 6:27

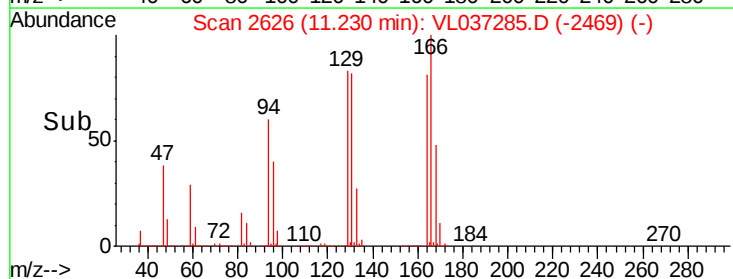
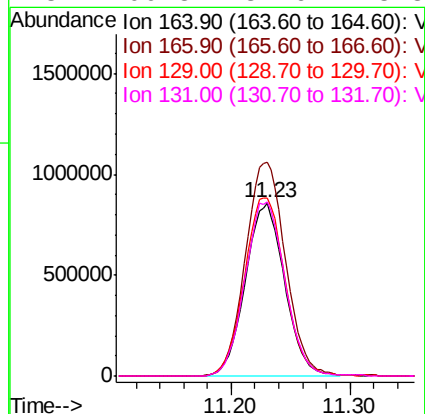
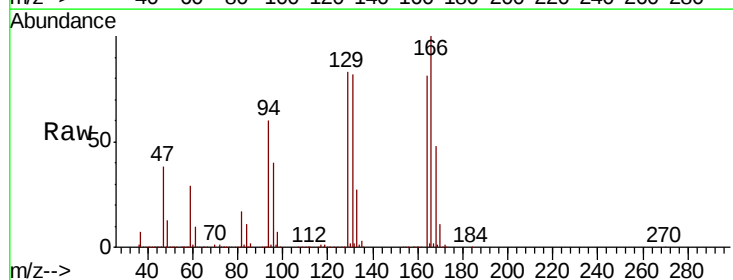
Instrument :
MSVOA_L
ClientSampleId :

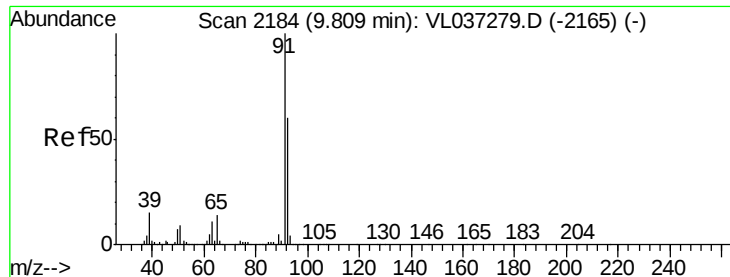
Tot Ion: 43 Resp: 1809631
Ion Ratio Lower Upper
43 100
58 47.5 37.1 55.7
98 0.3 0.4 0.6#



#52
Tetrachloroethene
Concen: 12.897 ppbv
RT: 11.23 min Scan# 2626
Delta R.T. 0.00 min
Lab File: VL037285.D
Acq: 27 Jul 2021 6:27

Tgt Ion: 164 Resp: 1948241
Ion Ratio Lower Upper
164 100
166 123.6 100.6 151.0
129 102.6 87.8 131.6
131 100.8 82.6 123.8





#53

Toluene

Concen: 14.379 ppbv

RT: 9.81 min Scan# 2184

Delta R.T. 0.00 min

Lab File: VL037285.D

Acq: 27 Jul 2021 6:27

Instrument :

MSVOA_L

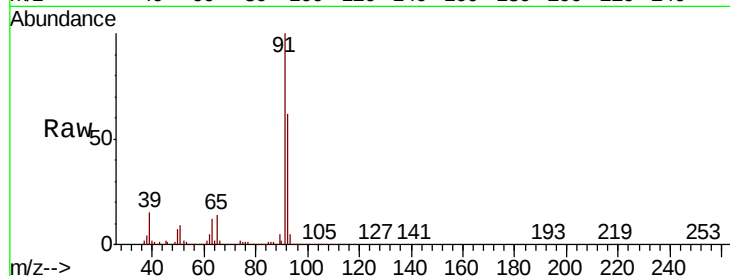
ClientSampled :

Tot Ion: 91 Resp: 5611097

Ion Ratio Lower Upper

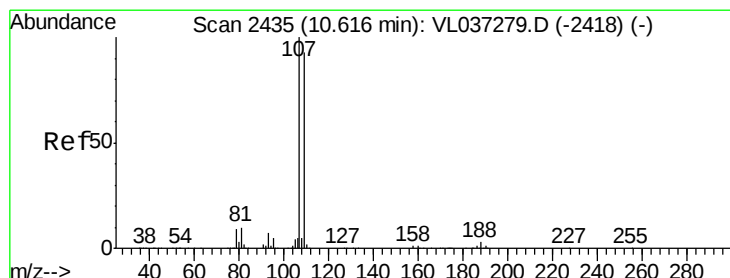
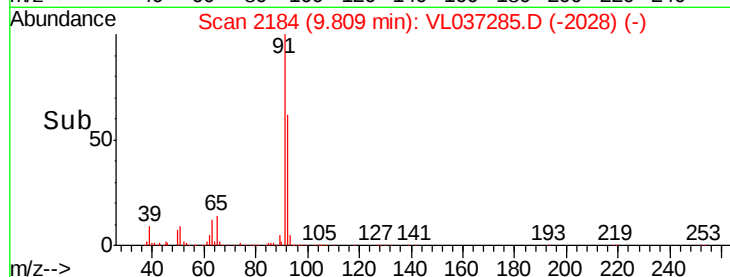
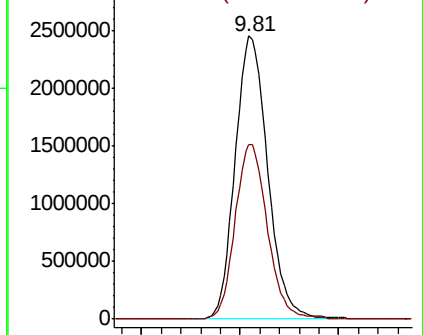
91 100

92 61.3 48.1 72.1



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 15.197 ppbv

RT: 10.62 min Scan# 2435

Delta R.T. 0.00 min

Lab File: VL037285.D

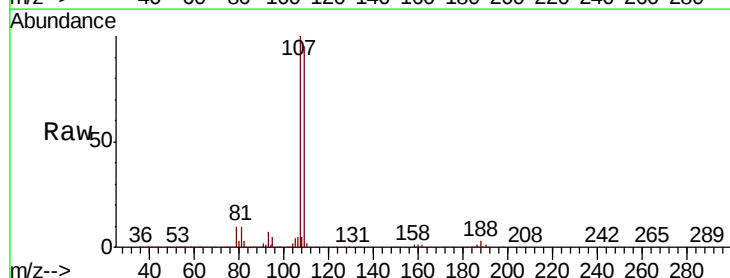
Acq: 27 Jul 2021 6:27

Tgt Ion: 107 Resp: 3033324

Ion Ratio Lower Upper

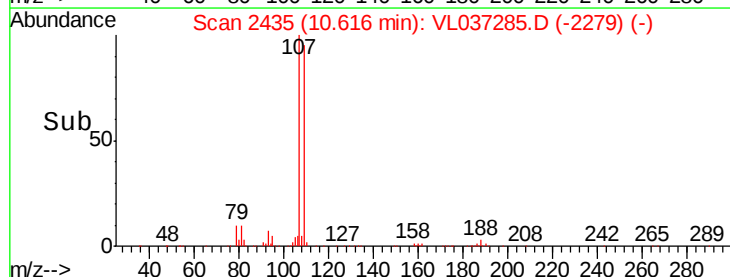
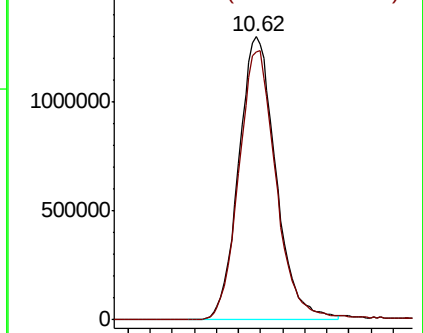
107 100

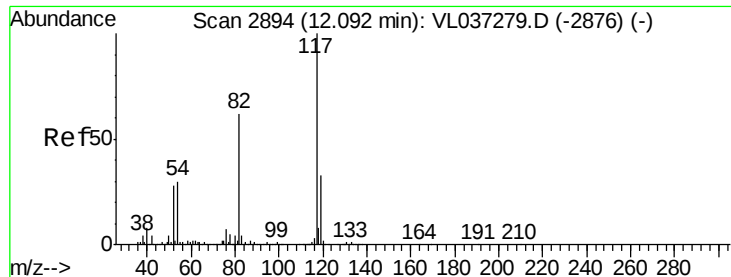
109 94.5 74.2 111.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

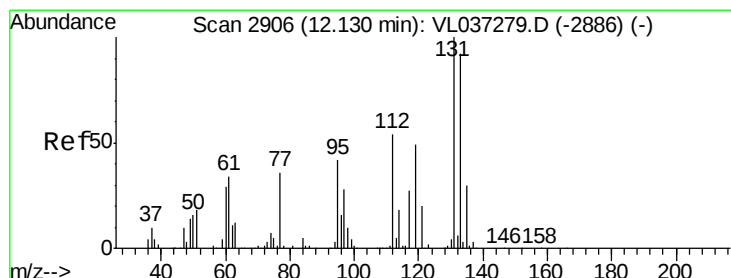
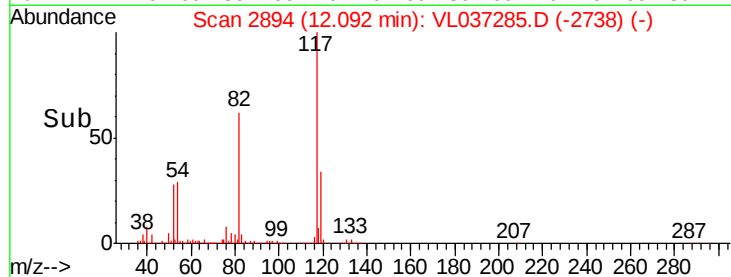
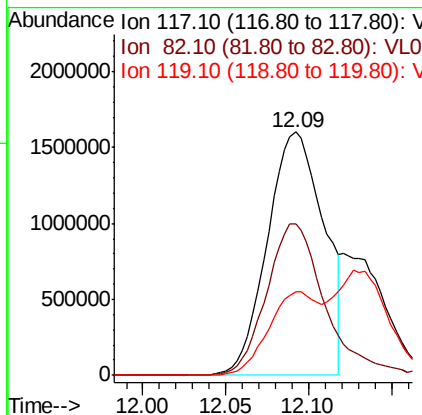
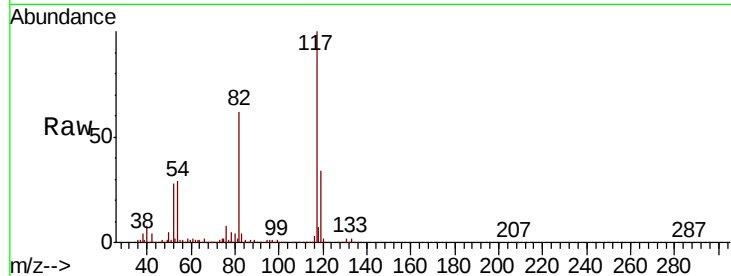




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2894
Delta R.T. 0.00 min
Lab File: VL037285.D
Acq: 27 Jul 2021 6:27

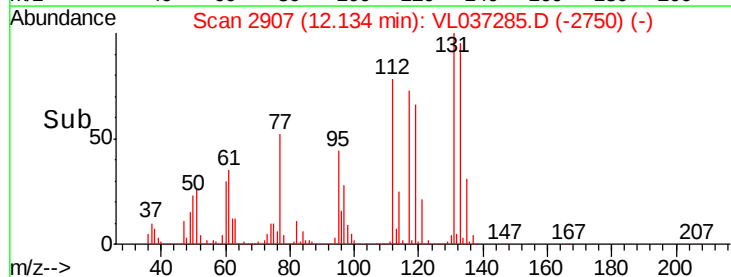
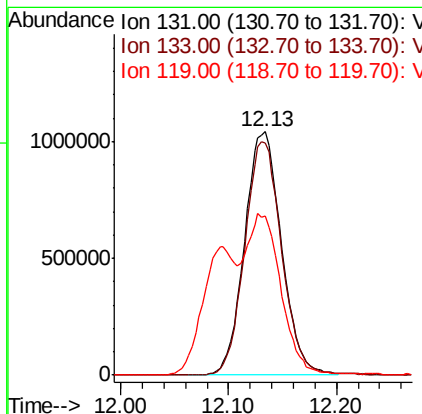
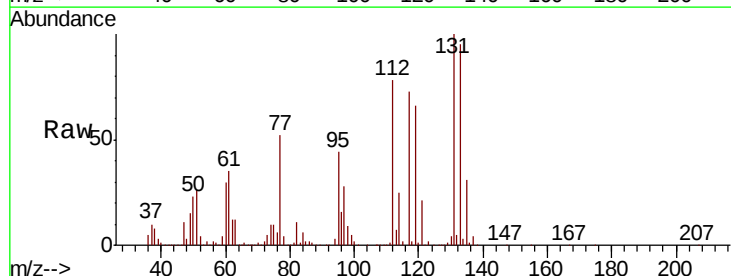
Instrument :
MSVOA_L
ClientSampled :

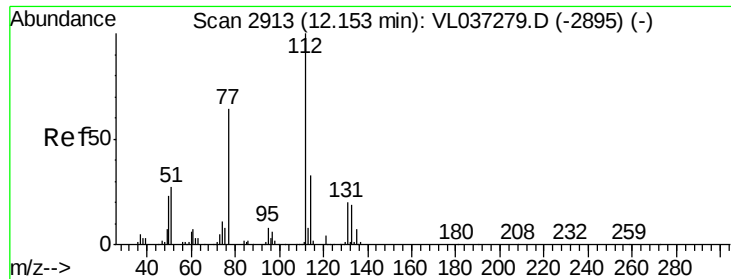
Tot Ion:117 Resp: 3782458
Ion Ratio Lower Upper
117 100
82 65.7 52.3 78.5
119 0.0 26.5 39.7#



#56
1,1,1,2-Tetrachloroethane
Concen: 14.741 ppbv
RT: 12.13 min Scan# 2907
Delta R.T. 0.00 min
Lab File: VL037285.D
Acq: 27 Jul 2021 6:27

Tgt Ion:131 Resp: 2474827
Ion Ratio Lower Upper
131 100
133 96.8 76.4 114.6
119 112.6 106.1 159.1

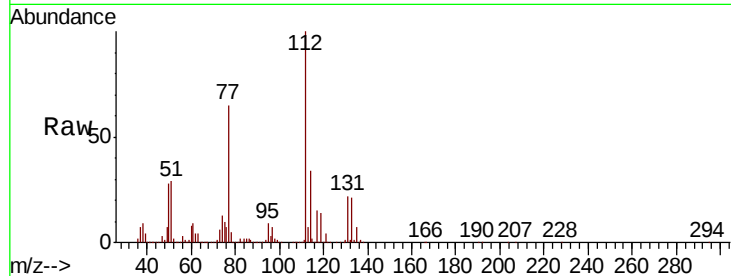




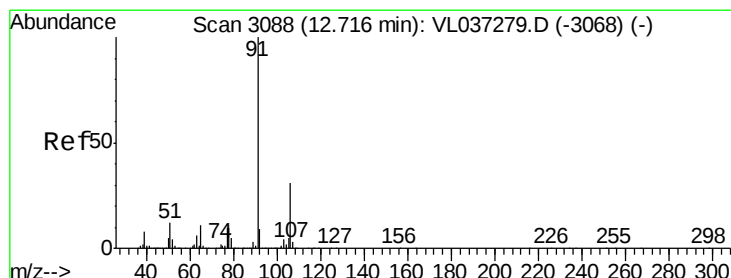
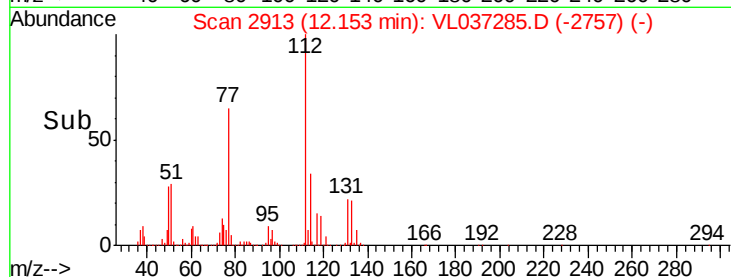
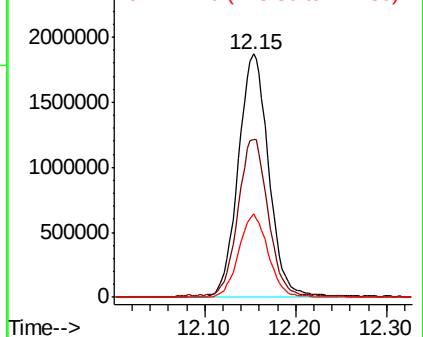
#57
Chlorobenzene
Concen: 14.045 ppbv
RT: 12.15 min Scan# 2913
Delta R.T. 0.00 min
Lab File: VL037285.D
Acq: 27 Jul 2021 6:27

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:112 Resp: 4352499
Ion Ratio Lower Upper
112 100
77 64.3 51.7 77.5
114 34.1 29.3 35.9

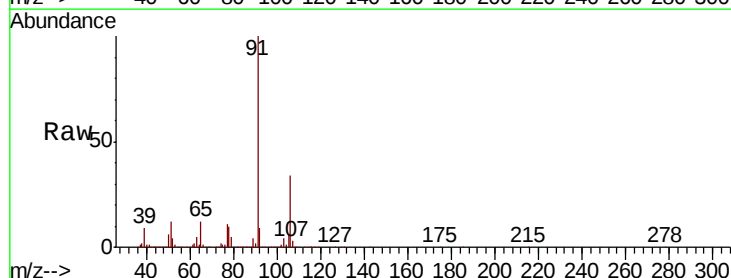


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

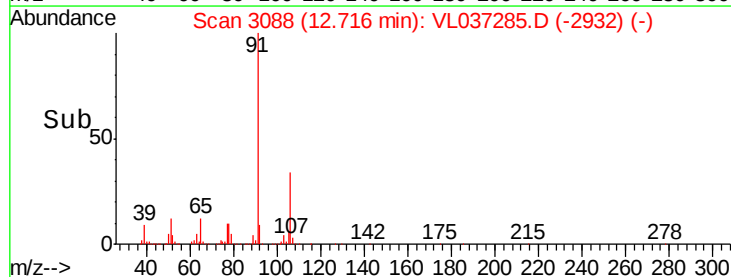
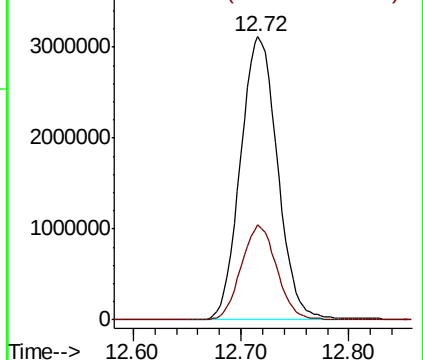


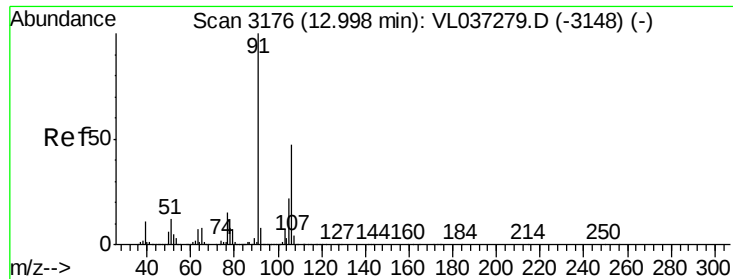
#58
Ethyl Benzene
Concen: 14.205 ppbv
RT: 12.72 min Scan# 3088
Delta R.T. 0.00 min
Lab File: VL037285.D
Acq: 27 Jul 2021 6:27

Tgt Ion: 91 Resp: 7463914
Ion Ratio Lower Upper
91 100
106 33.8 24.5 36.7



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V

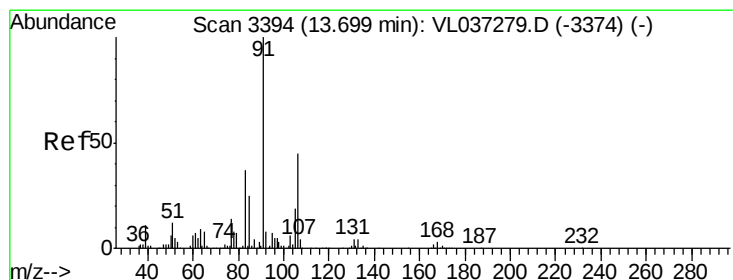
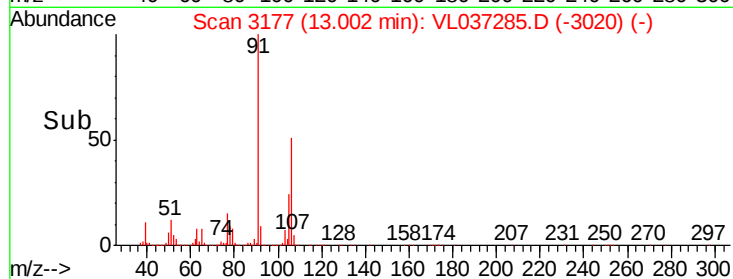
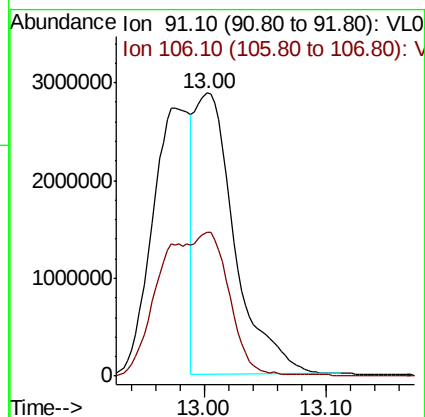
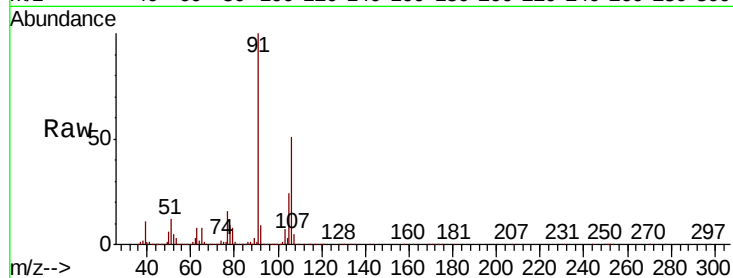




#59
m/p-Xylene
Concen: 14.607 ppbv
RT: 13.00 min Scan# 3177
Delta R.T. 0.00 min
Lab File: VL037285.D
Acq: 27 Jul 2021 6:27

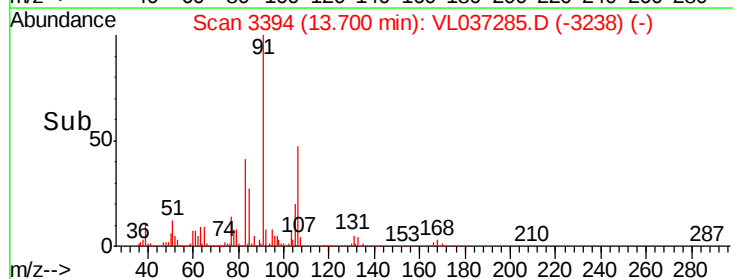
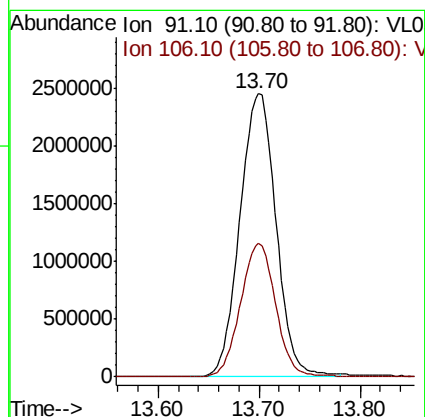
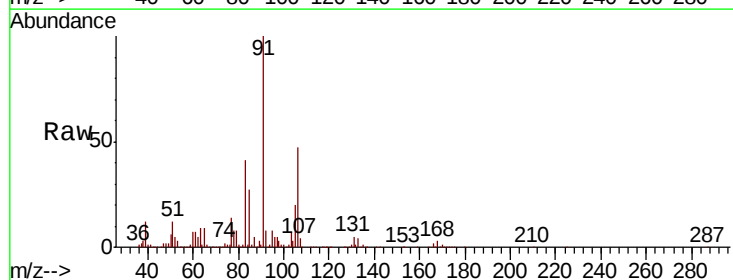
Instrument :
MSVOA_L
ClientSampleId :

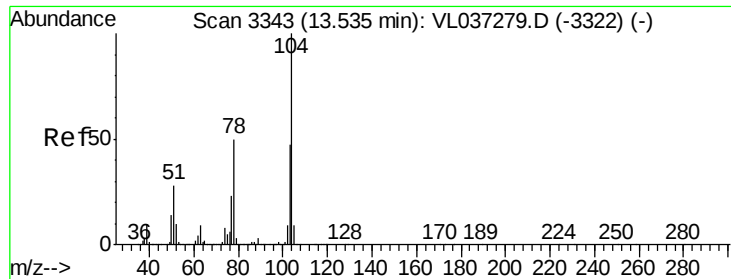
Tot Ion: 91 Resp: 6527695
Ion Ratio Lower Upper
91 100
106 89.7 36.2 54.2#



#60
o-Xylene
Concen: 14.235 ppbv
RT: 13.70 min Scan# 3394
Delta R.T. 0.00 min
Lab File: VL037285.D
Acq: 27 Jul 2021 6:27

Tgt Ion: 91 Resp: 6071691
Ion Ratio Lower Upper
91 100
106 46.1 22.6 67.8

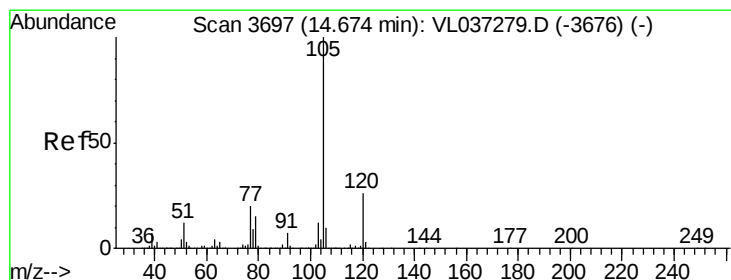
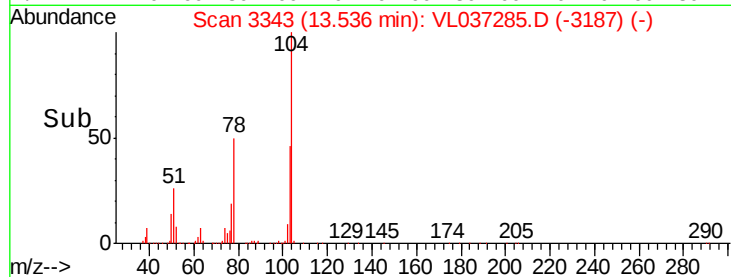
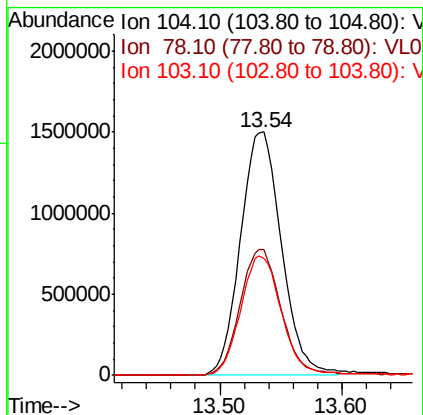
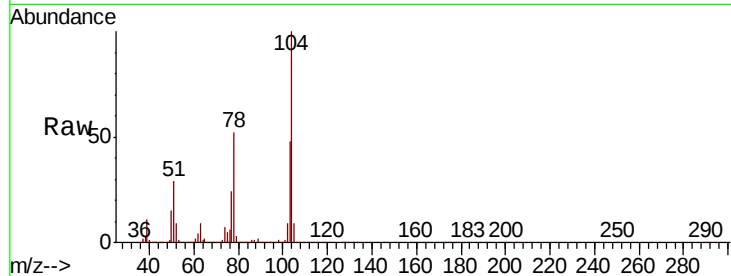




#61
Stvrene
Concen: 15.966 ppbv
RT: 13.54 min Scan# 3343
Delta R.T. 0.00 min
Lab File: VL037285.D
Acq: 27 Jul 2021 6:27

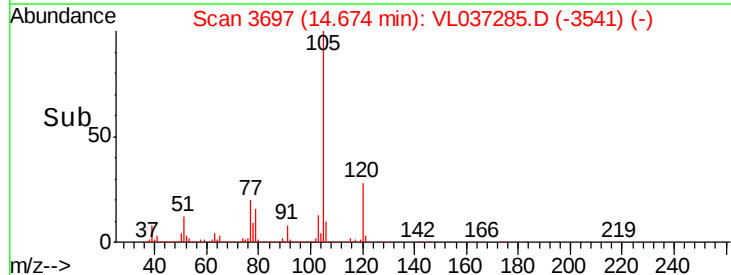
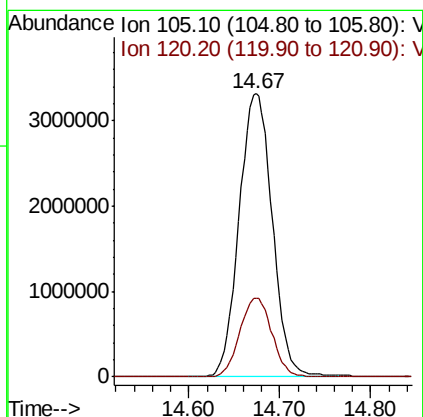
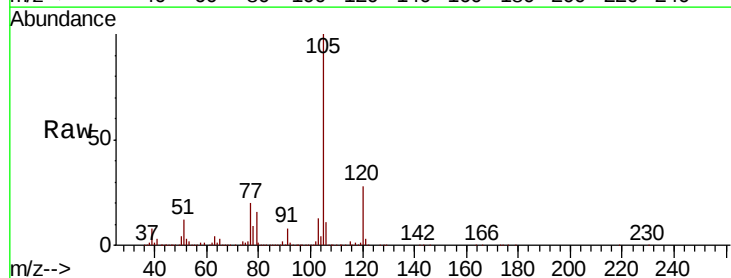
Instrument :
MSVOA_L
ClientSampleId :

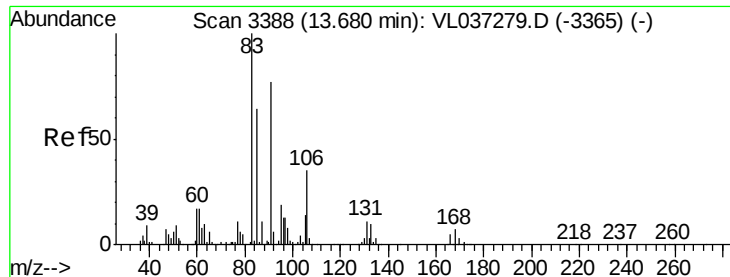
Tot Ion:104 Resp: 3482173
Ion Ratio Lower Upper
104 100
78 52.4 41.8 62.6
103 49.3 38.6 58.0



#62
Isopropylbenzene
Concen: 13.860 ppbv
RT: 14.67 min Scan# 3697
Delta R.T. 0.00 min
Lab File: VL037285.D
Acq: 27 Jul 2021 6:27

Tgt Ion:105 Resp: 8410527
Ion Ratio Lower Upper
105 100
120 27.2 21.3 31.9





#63

1,1,2,2-Tetrachloroethane

Concen: 14.799 ppbv

RT: 13.68 min Scan# 3388

Delta R.T. 0.00 min

Lab File: VL037285.D

Acq: 27 Jul 2021 6:27

Instrument :

MSVOA_L

ClientSampleId :

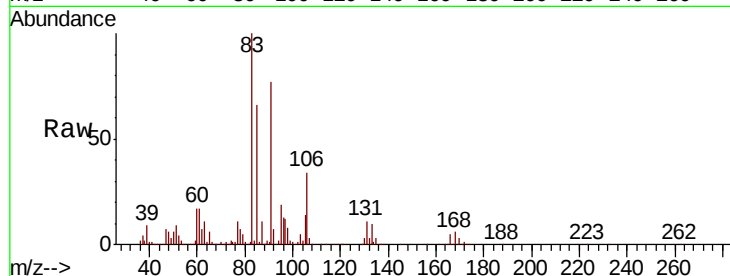
Tot Ion: 83 Resp: 4214312

Ion Ratio Lower Upper

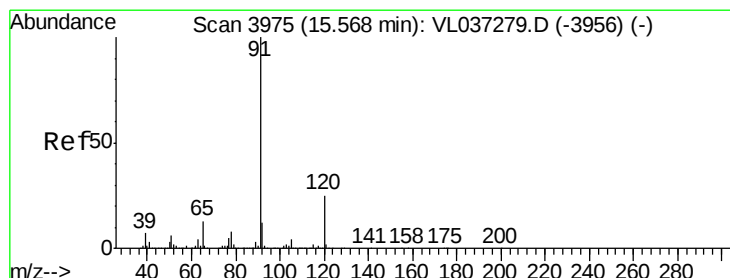
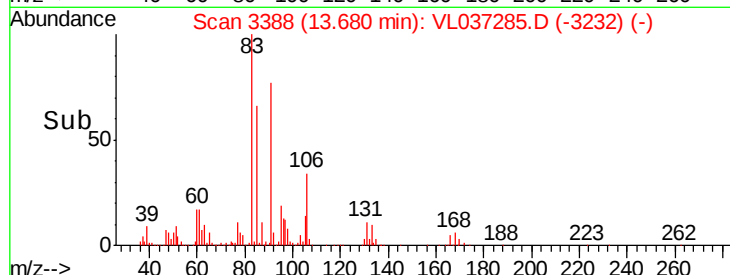
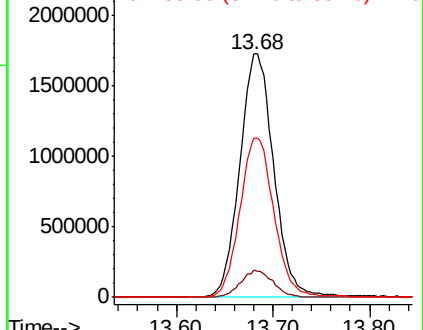
83 100

131 10.9 5.4 16.2

85 66.2 33.4 100.2



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: 15.176 ppbv

RT: 15.57 min Scan# 3975

Delta R.T. 0.00 min

Lab File: VL037285.D

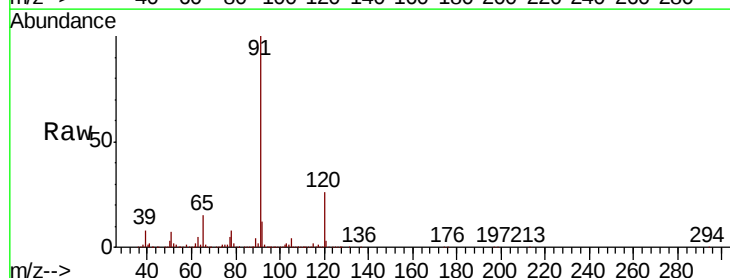
Acq: 27 Jul 2021 6:27

Tgt Ion:120 Resp: 2298119

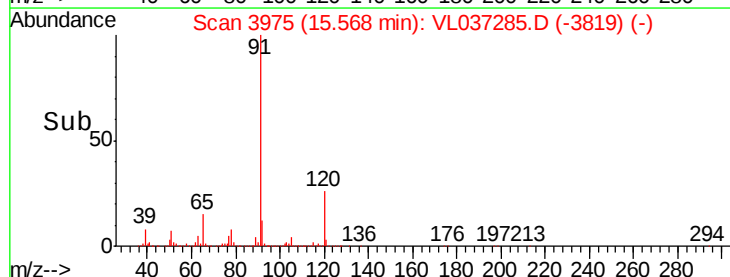
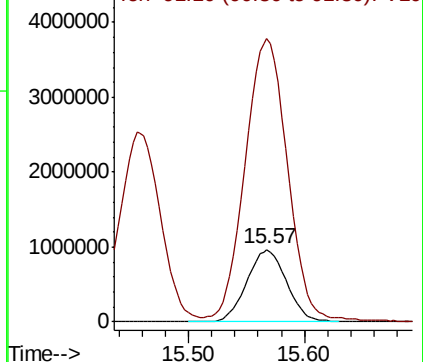
Ion Ratio Lower Upper

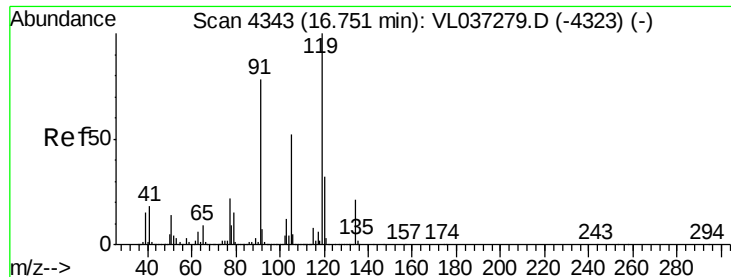
120 100

91 421.0 353.8 530.8



Abundance Ion 120.20 (119.90 to 120.90): V
Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 14.113 ppbv

RT: 16.75 min Scan# 4343

Delta R.T. 0.00 min

Lab File: VL037285.D

Acq: 27 Jul 2021 6:27

Instrument :

MSVOA_L

ClientSampleId :

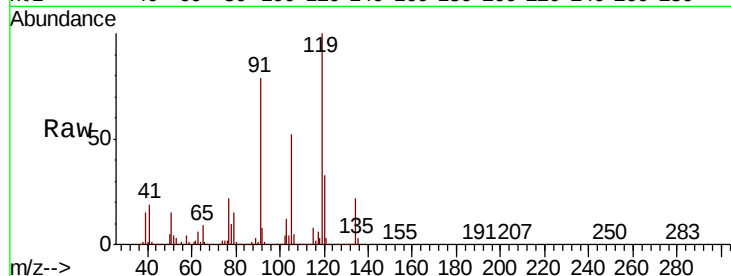
Tot Ion:119 Resp: 7640189

Ion Ratio Lower Upper

119 100

91 79.8 63.4 95.0

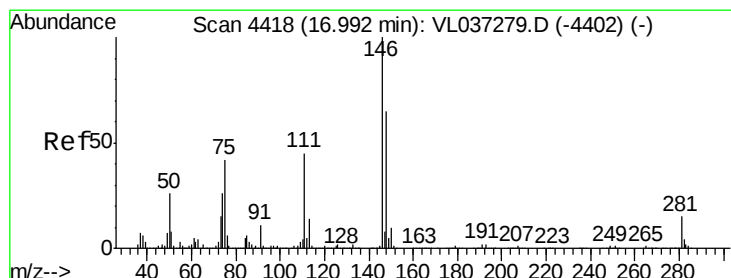
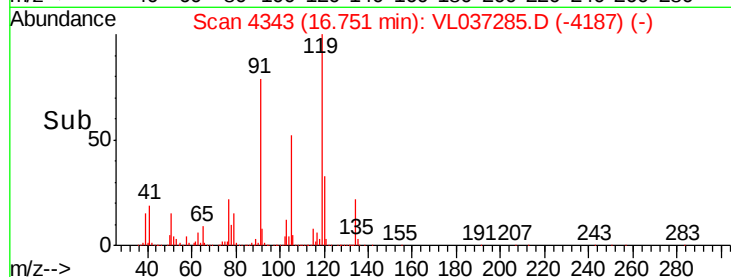
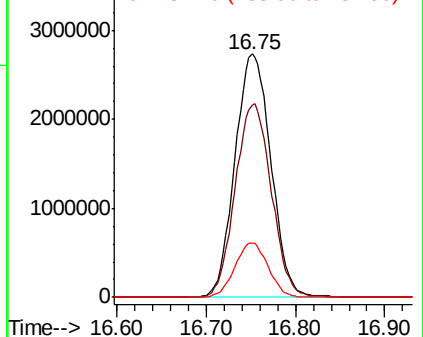
134 20.8 16.1 24.1



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 17.047 ppbv

RT: 16.99 min Scan# 4418

Delta R.T. 0.00 min

Lab File: VL037285.D

Acq: 27 Jul 2021 6:27

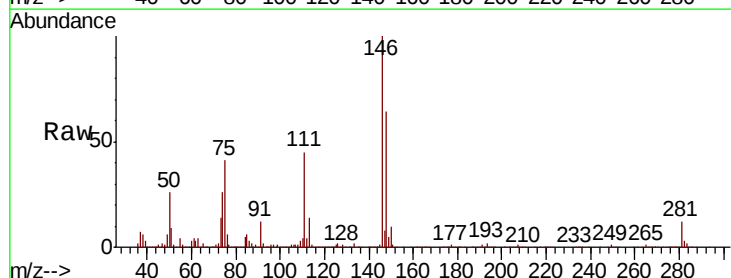
Tgt Ion: 91 Resp: 393038

Ion Ratio Lower Upper

91 100

126 17.3 13.4 20.2

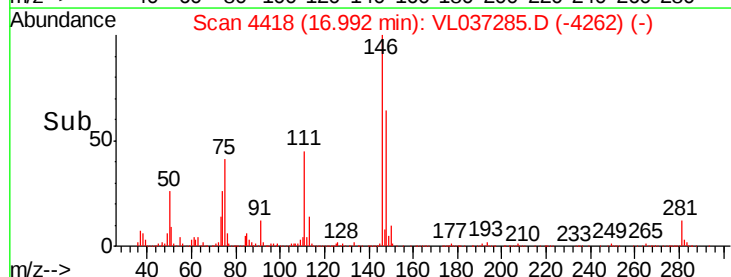
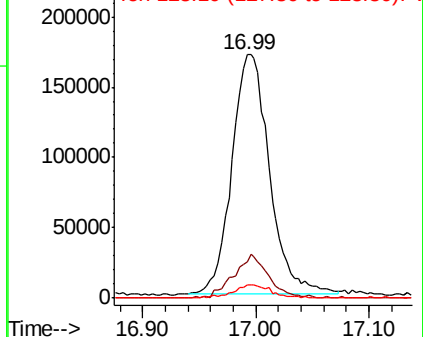
128 5.7 4.5 6.7

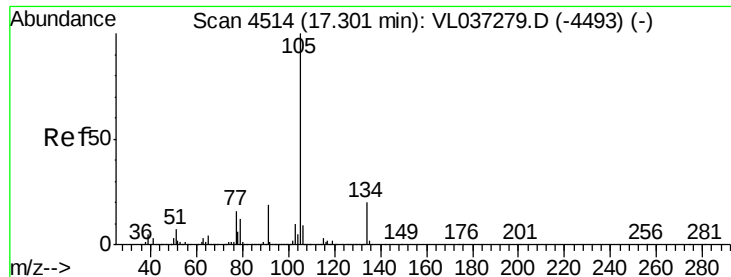


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 13.917 ppbv

RT: 17.30 min Scan# 4514

Delta R.T. 0.00 min

Lab File: VL037285.D

Acq: 27 Jul 2021 6:27

Instrument :

MSVOA_L

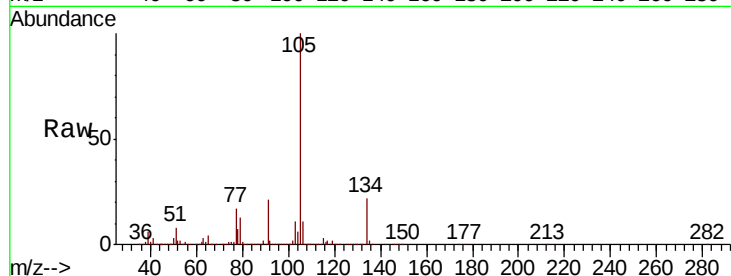
ClientSampleId :

Tot Ion:105 Resp:10032335

Ion Ratio Lower Upper

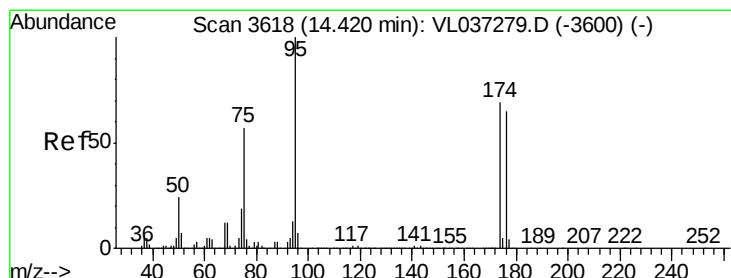
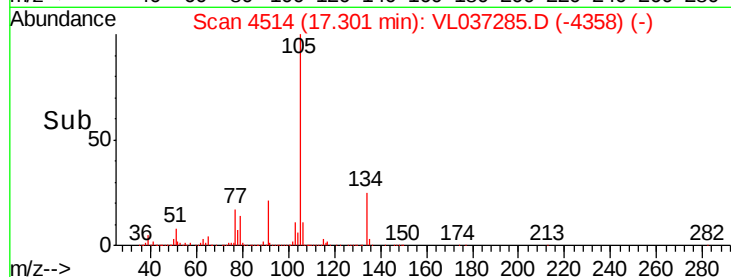
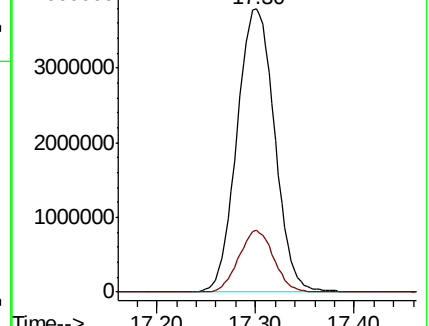
105 100

134 20.4 15.8 23.6



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.487 ppbv

RT: 14.42 min Scan# 3619

Delta R.T. 0.00 min

Lab File: VL037285.D

Acq: 27 Jul 2021 6:27

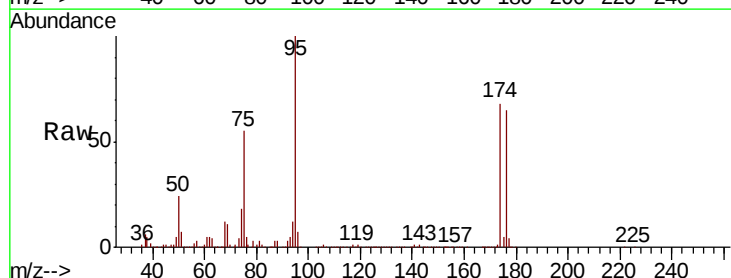
Tgt Ion: 95 Resp: 3004058

Ion Ratio Lower Upper

95 100

174 70.0 56.3 84.5

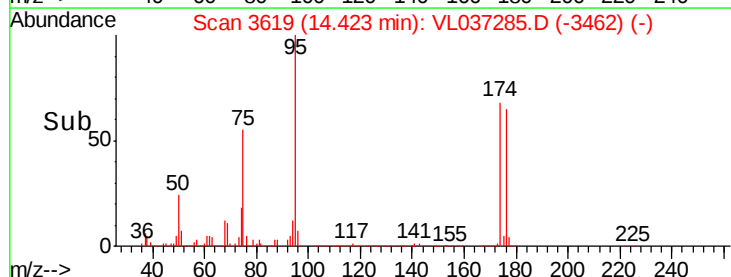
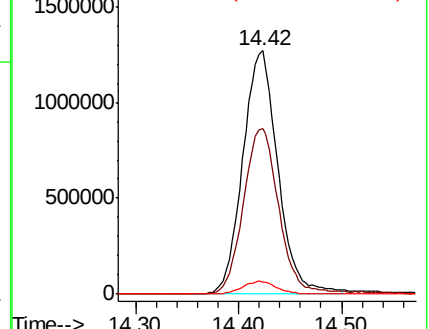
175 5.3 4.3 6.5

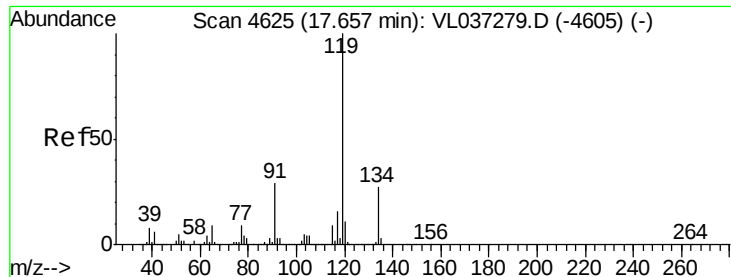


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





#69

p-Isopropyltoluene

Concen: 14.306 ppbv

RT: 17.66 min Scan# 4625

Delta R.T. 0.00 min

Lab File: VL037285.D

Acq: 27 Jul 2021 6:27

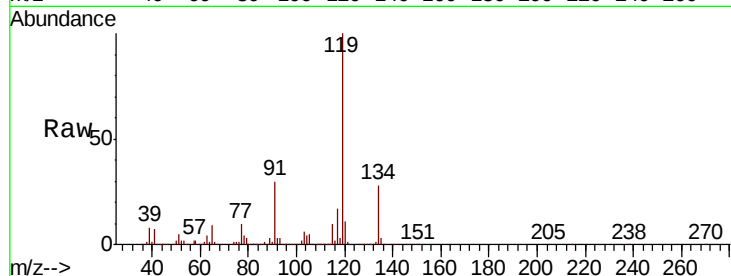
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:119 Resp: 8699557

Ion	Ratio	Lower	Upper
119	100		
134	26.7	20.6	31.0
91	29.7	23.0	34.4

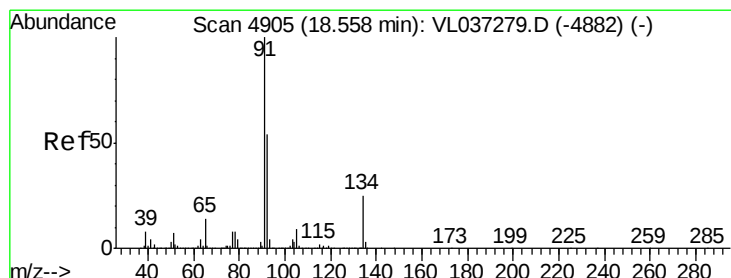
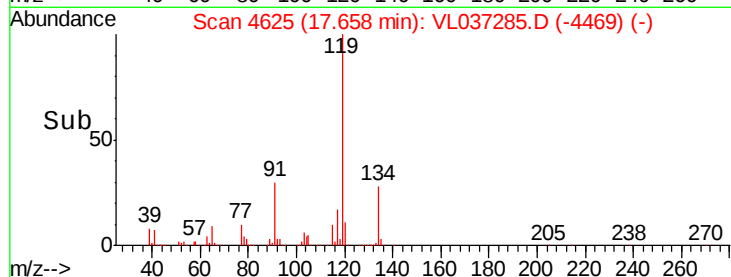
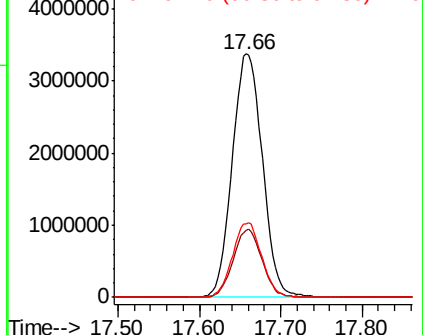


Abundance

Ion 119.10 (118.80 to 119.80): V

Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): V



#70

n-Butylbenzene

Concen: 14.669 ppbv

RT: 18.56 min Scan# 4905

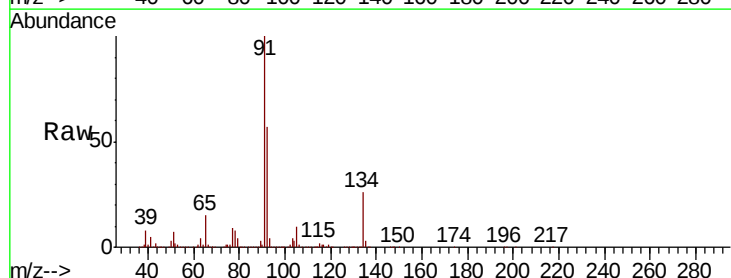
Delta R.T. 0.00 min

Lab File: VL037285.D

Acq: 27 Jul 2021 6:27

Tgt Ion: 91 Resp: 8248516

Ion	Ratio	Lower	Upper
91	100		
92	55.3	43.4	65.2
134	25.3	19.6	29.4

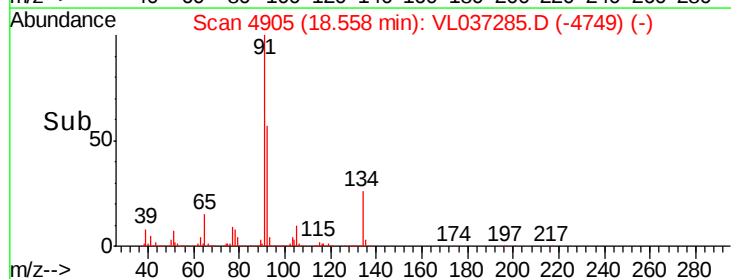
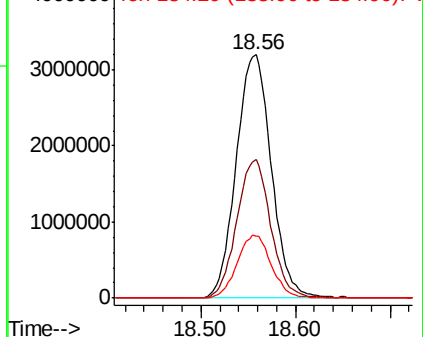


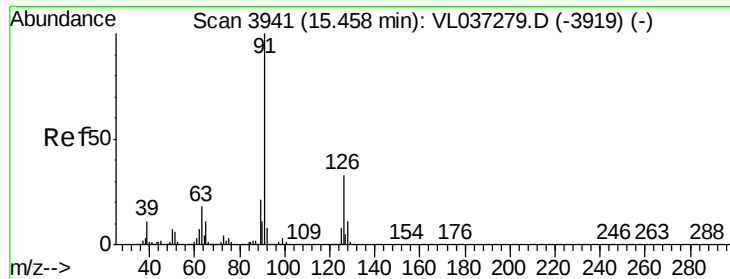
Abundance

Ion 91.10 (90.80 to 91.80): V

Ion 92.10 (91.80 to 92.80): V

Ion 134.20 (133.90 to 134.90): V

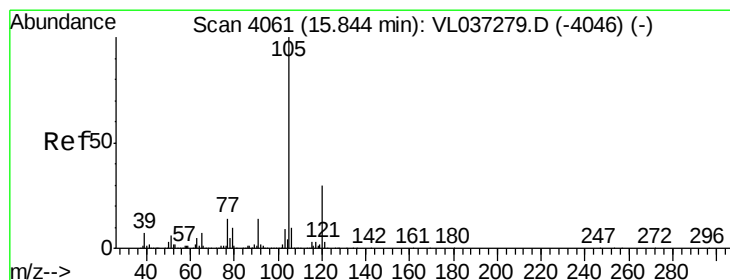
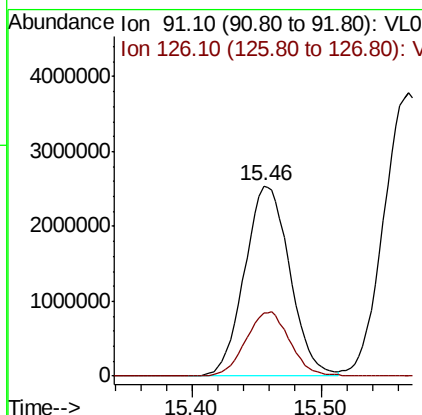
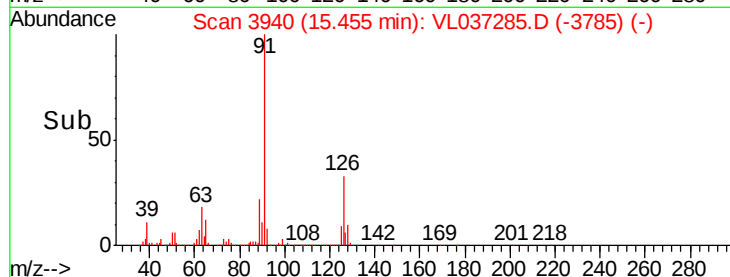
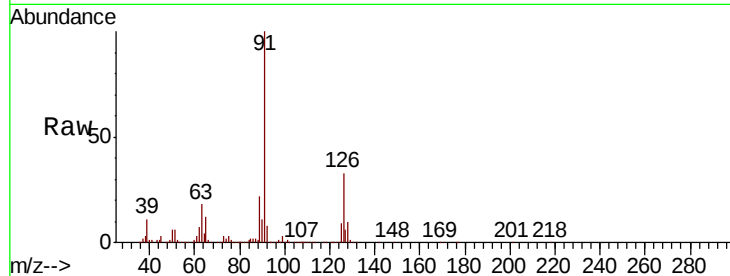




#71
 2-Chlorotoluene
 Concen: 14.550 ppbv
 RT: 15.46 min Scan# 3940
 Delta R.T. -0.00 min
 Lab File: VL037285.D
 Acq: 27 Jul 2021 6:27

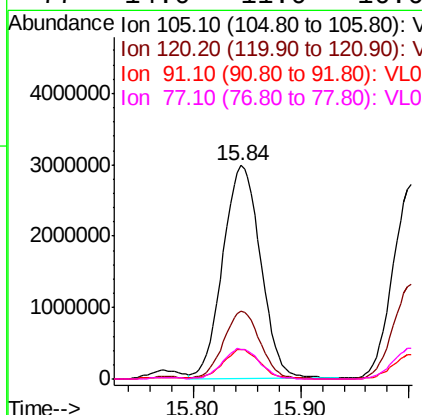
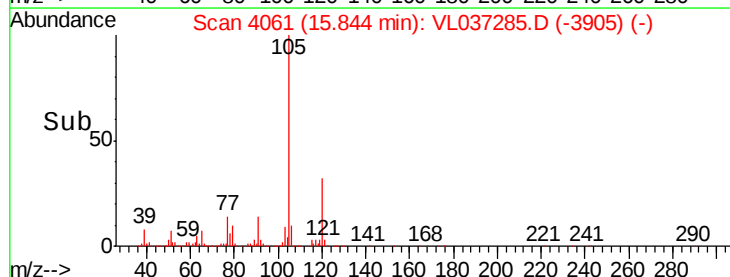
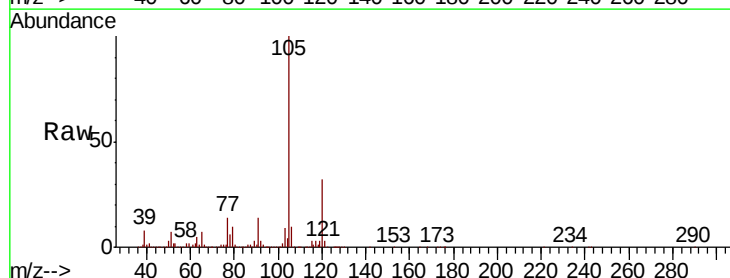
Instrument :
 MSVOA_L
 ClientSampleId :

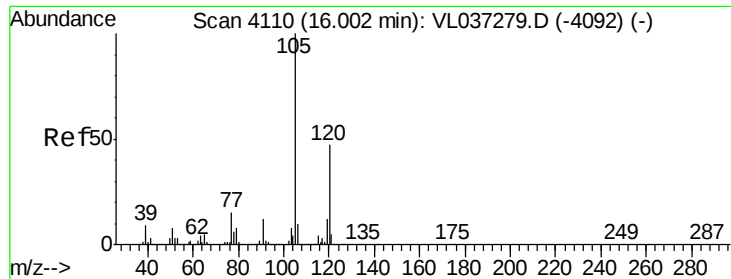
Tot Ion: 91 Resp: 6194351
 Ion Ratio Lower Upper
 91 100
 126 33.4 13.1 52.3



#72
 4-Ethyltoluene
 Concen: 15.031 ppbv
 RT: 15.84 min Scan# 4061
 Delta R.T. 0.00 min
 Lab File: VL037285.D
 Acq: 27 Jul 2021 6:27

Tgt Ion:105 Resp: 7305557
 Ion Ratio Lower Upper
 105 100
 120 30.9 24.3 36.5
 91 13.3 10.5 15.7
 77 14.0 11.0 16.6





#73

1,3,5-Trimethylbenzene

Concen: 14.205 ppbv

RT: 16.00 min Scan# 4110

Delta R.T. 0.00 min

Lab File: VL037285.D

Acq: 27 Jul 2021 6:27

Instrument :

MSVOA_L

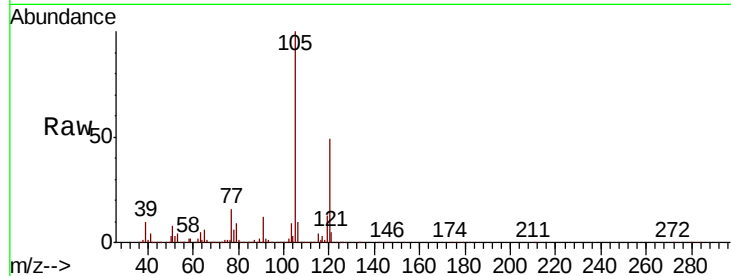
ClientSampleId :

Tot Ion:105 Resp: 6673508

Ion Ratio Lower Upper

105 100

120 48.9 37.7 56.5



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

16.00

2500000

2000000

1500000

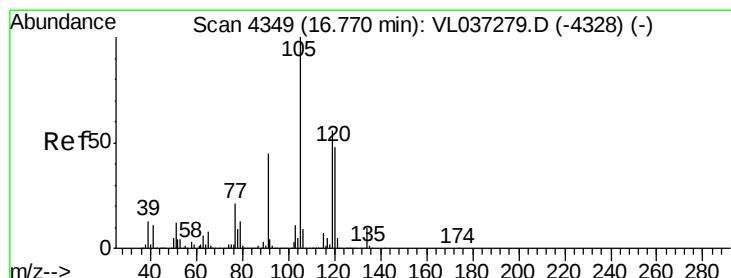
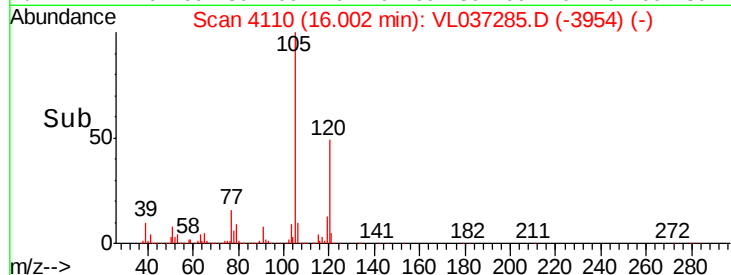
1000000

500000

0

Time-->

15.90 16.00 16.10



#74

1,2,4-Trimethylbenzene

Concen: 14.122 ppbv

RT: 16.77 min Scan# 4349

Delta R.T. 0.00 min

Lab File: VL037285.D

Acq: 27 Jul 2021 6:27

Tgt Ion:105 Resp: 6837771

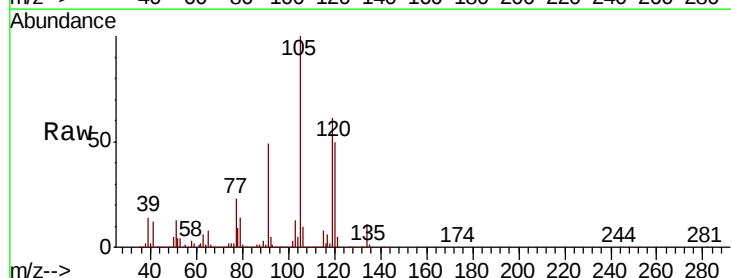
Ion Ratio Lower Upper

105 100

120 49.9 38.2 57.4

91 48.4 36.2 54.2

77 22.7 17.0 25.6



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

4000000

3000000

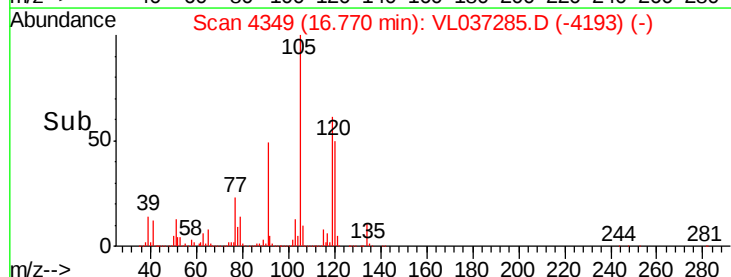
2000000

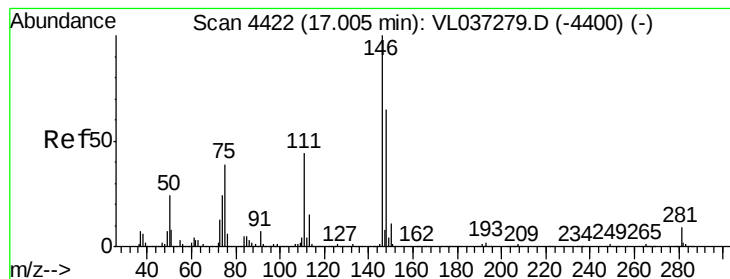
1000000

0

Time-->

16.70 16.80





#75

1,3-Dichlorobenzene

Concen: 14.556 ppbv

RT: 17.00 min Scan# 4421

Delta R.T. -0.00 min

Lab File: VL037285.D

Acq: 27 Jul 2021 6:27

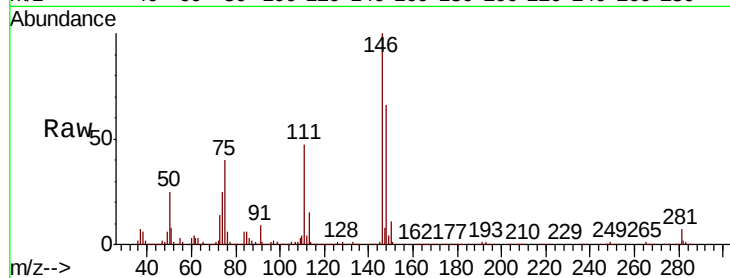
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:146 Resp: 4278262

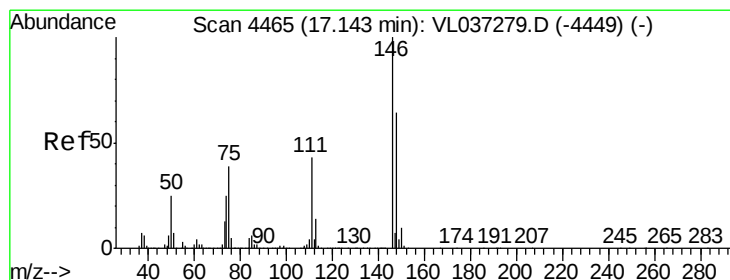
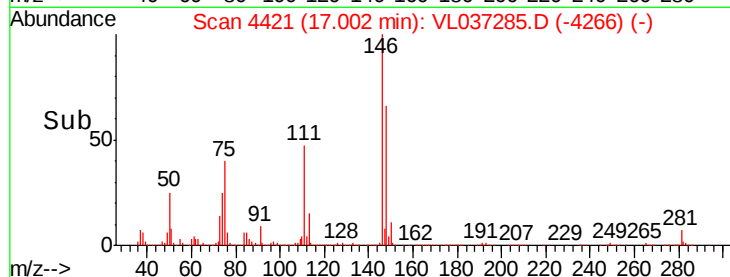
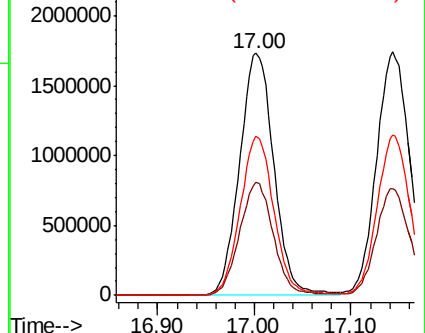
Ion	Ratio	Lower	Upper
146	100		
111	45.9	22.6	67.8
148	64.6	32.4	97.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 14.258 ppbv

RT: 17.14 min Scan# 4465

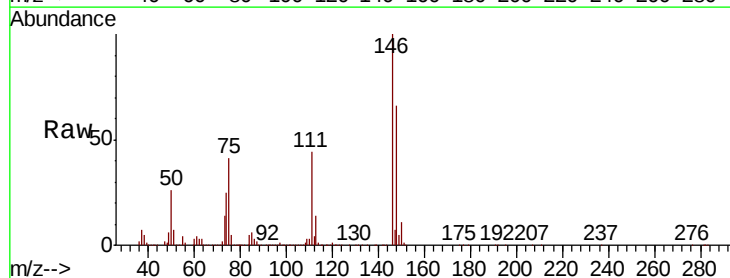
Delta R.T. 0.00 min

Lab File: VL037285.D

Acq: 27 Jul 2021 6:27

Tgt Ion:146 Resp: 4179283

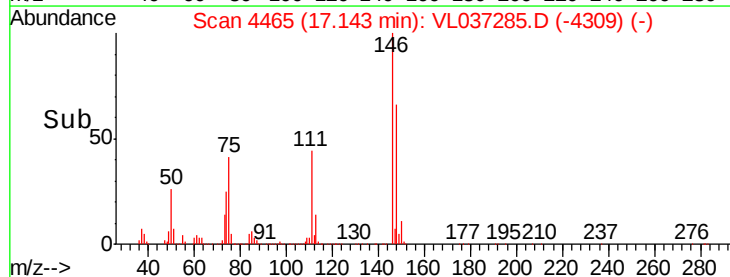
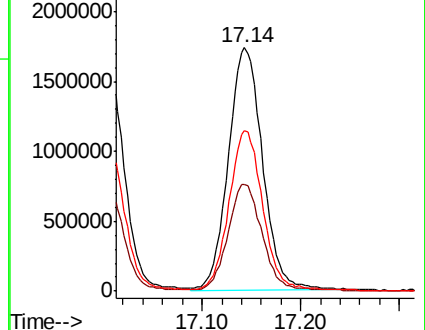
Ion	Ratio	Lower	Upper
146	100		
111	44.8	22.8	68.4
148	66.1	33.7	101.0

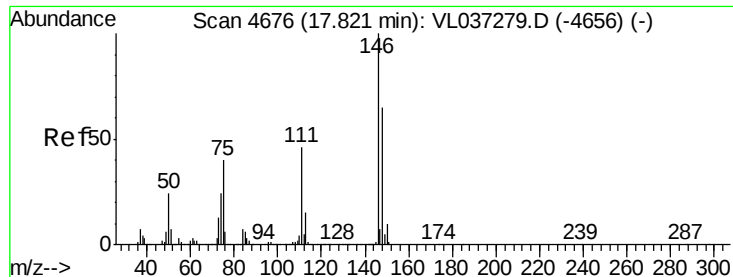


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

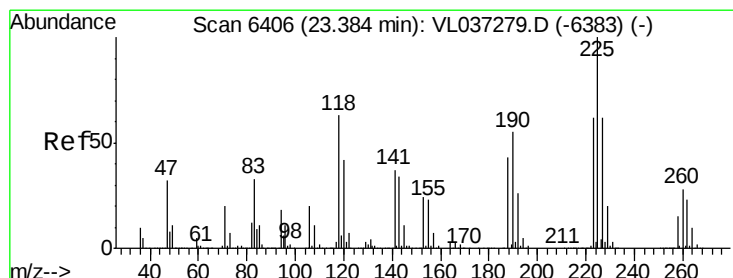
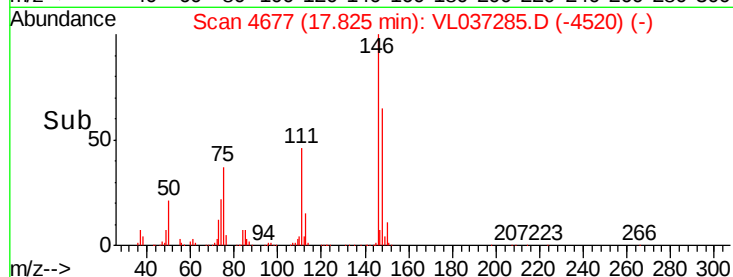
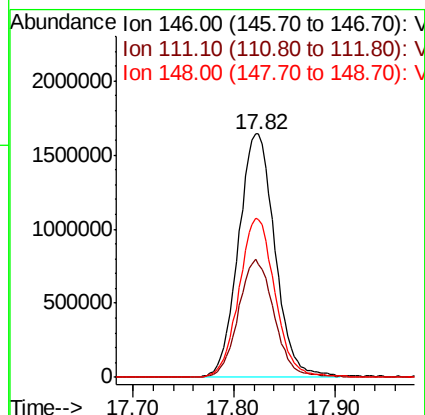
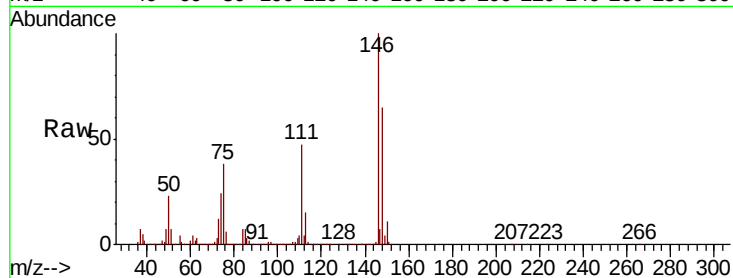




#77
 1,2-Dichlorobenzene
 Concen: 14.376 ppbv
 RT: 17.82 min Scan# 4677
 Delta R.T. 0.00 min
 Lab File: VL037285.D
 Acq: 27 Jul 2021 6:27

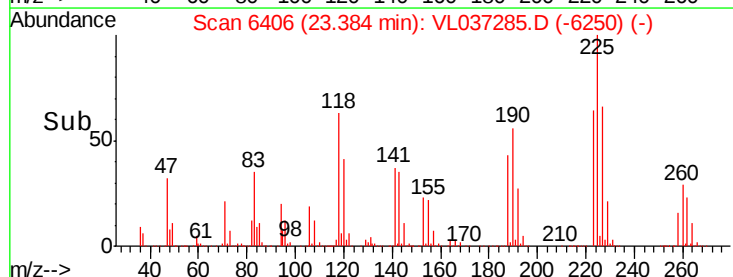
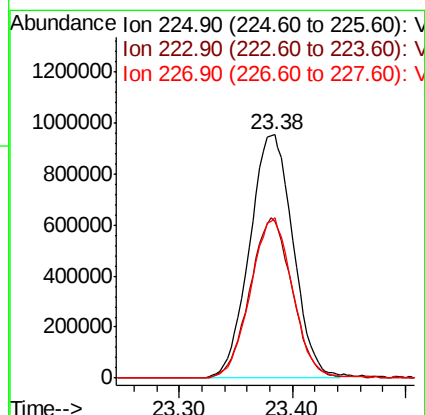
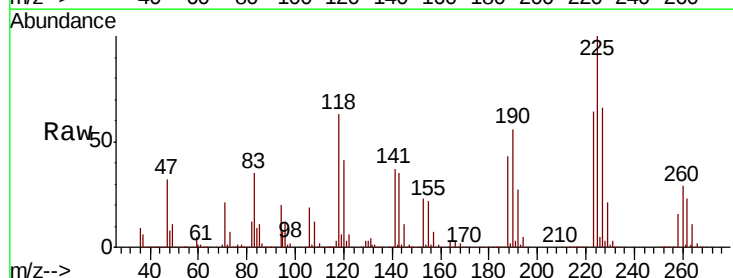
Instrument :
 MSVOA_L
 ClientSampled :

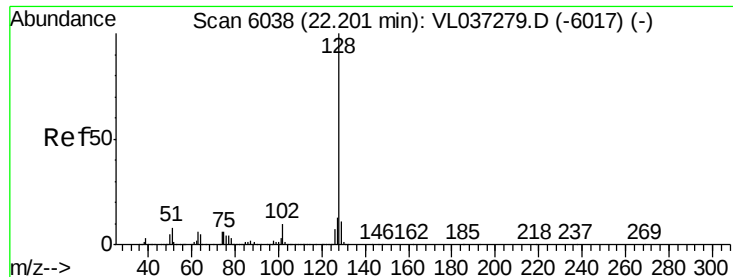
Tot Ion:146 Resp: 4099816
 Ion Ratio Lower Upper
 146 100
 111 47.3 23.4 70.3
 148 64.7 32.3 96.9



#78
 Hexachloro-1,3-Butadiene
 Concen: 10.740 ppbv
 RT: 23.38 min Scan# 6406
 Delta R.T. 0.00 min
 Lab File: VL037285.D
 Acq: 27 Jul 2021 6:27

Tgt Ion:225 Resp: 2547041
 Ion Ratio Lower Upper
 225 100
 223 64.6 51.4 77.2
 227 64.5 50.8 76.2





#79

Naphthalene

Concen: 12.962 ppbv

RT: 22.20 min Scan# 6038

Delta R.T. 0.00 min

Lab File: VL037285.D

Acq: 27 Jul 2021 6:27

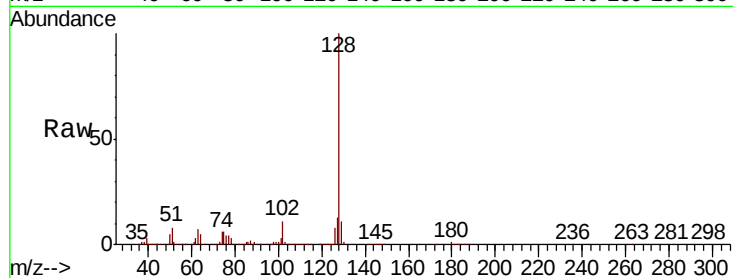
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:128 Resp: 4912997

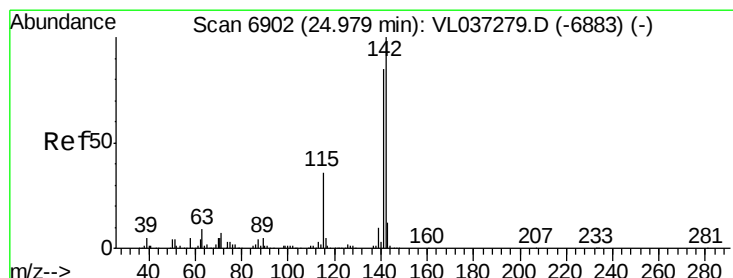
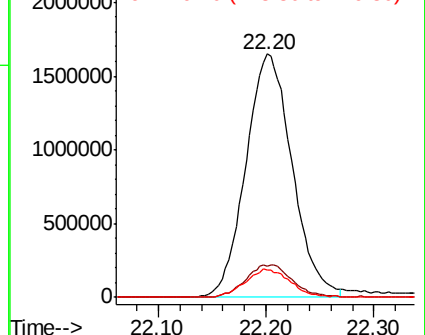
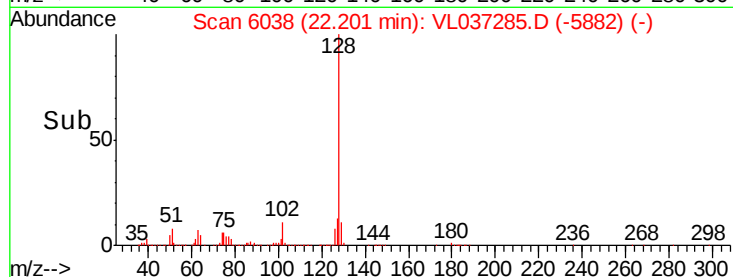
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.3	15.5
129	11.3	9.0	13.4



Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 12.915 ppbv

RT: 24.98 min Scan# 6901

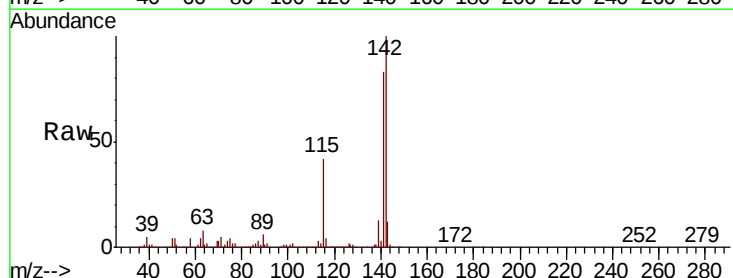
Delta R.T. -0.00 min

Lab File: VL037285.D

Acq: 27 Jul 2021 6:27

Tgt Ion:142 Resp: 1175718

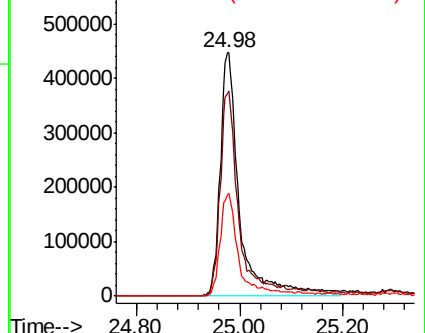
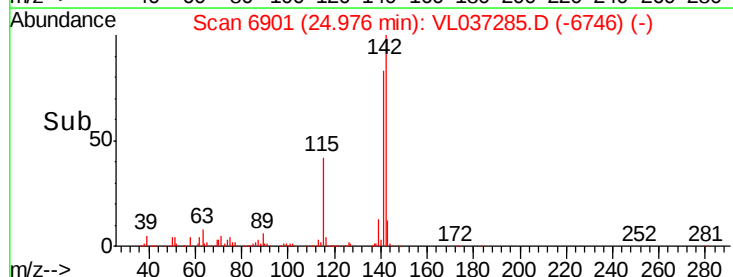
Ion	Ratio	Lower	Upper
142	100		
141	79.8	70.7	106.1
115	41.4	31.4	47.0

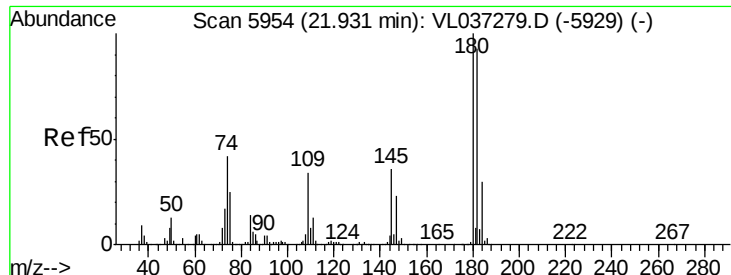


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81

1,2,4-Trichlorobenzene

Concen: 13.014 ppbv

RT: 21.93 min Scan# 5955

Delta R.T. 0.00 min

Lab File: VL037285.D

Acq: 27 Jul 2021 6:27

Instrument :

MSVOA_L

ClientSampleId :

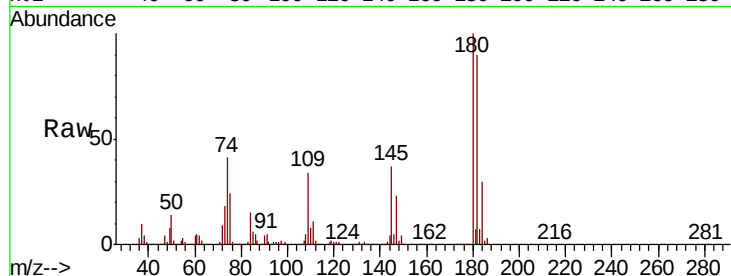
Tot Ion:180 Resp: 2893380

Ion Ratio Lower Upper

180 100

182 98.0 79.3 118.9

184 31.6 24.8 37.2



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

