

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL073021\
 Data File : VL037294.D
 Acq On : 30 Jul 2021 21:13
 Operator : SY/AP
 Sample : VSTDIC015
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jul 30 22:52:40 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL073021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jul 30 22:49:48 2021
 QLast Update : Fri Jul 30 22:49:48 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1230051	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3910910	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3882807	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2827940	9.71	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.10%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.03	85	1573526	7.680	ppbv 100
3) Chlorodifluoromethane	2.97	51	3222731	13.416	ppbv 99
4) Chloromethane	3.13	50	1140400	14.228	ppbv 99
5) Vinyl Chloride	3.24	62	1255691	14.273	ppbv 99
6) Bromomethane	3.46	94	715707	13.665	ppbv 97
7) Chloroethane	3.55	64	453354	14.396	ppbv 99
8) Dichlorotetrafluoroethane	3.18	85	2202278	10.059	ppbv 98
9) Propene	2.99	41	1039481	13.551	ppbv 96
10) Heptane	8.12	43	2846433	15.243	ppbv 99
11) Trichlorofluoromethane	3.94	101	2861144	12.655	ppbv 97
12) 1,1,2-Trichlorotrifluoroet	4.48	101	2244475	13.959	ppbv 98
13) Ethanol	3.59	45	166555	13.587	ppbv 99
14) Bromoethene	3.73	108	958405	14.189	ppbv 100
15) Acetone	3.84	43	1634455	11.640	ppbv 99
16) 1,3-Butadiene	3.31	39	1168497	14.316	ppbv 99
17) tert-Butyl alcohol	4.28	59	1846750	14.403	ppbv 100
18) 1,1-Dichloroethene	4.28	96	990376	13.846	ppbv 99
19) Isopropyl Alcohol	3.96	45	1125795	13.449	ppbv 99
20) Methylene Chloride	4.34	84	1015606	11.600	ppbv 99
21) Allyl Chloride	4.41	41	1417833	13.564	ppbv 99
22) trans-1,2-Dichloroethene	4.88	96	1041797	14.592	ppbv 98
23) Vinyl Acetate	5.07	43	2479884	12.738	ppbv 99
24) 1,1-Dichloroethane	5.01	63	2001946	12.784	ppbv 99
25) Ethyl Acetate	5.67	43	4535673	14.825	ppbv 98
26) Hexane	5.68	57	2343785	14.931	ppbv 99
27) Carbon Disulfide	4.54	76	2378687	16.060	ppbv 100
28) Methyl tert-Butyl Ether	5.03	73	2101329	11.932	ppbv 99
29) Chloroform	5.75	83	3372133	14.317	ppbv 98
30) Cyclohexane	7.13	84	1928439	15.023	ppbv 98
31) cis-1,2-Dichloroethene	5.54	61	2110225	14.959	ppbv 98
32) 1,1,1-Trichloroethane	6.51	97	3446168	13.724	ppbv 100
34) 2-Butanone	5.24	43	1987239	13.074	ppbv 99
35) Carbon Tetrachloride	7.02	117	3661286	14.086	ppbv 98
36) Benzene	6.89	78	4582427	14.443	ppbv 98
37) 1,2-Dichloroethane	6.30	62	2484193	13.668	ppbv 99
38) Trichloroethene	7.83	130	1968897	12.998	ppbv 99
39) 1,2-Dichloropropane	7.61	63	1738289	14.805	ppbv 98
40) 1,4-Dioxane	7.83	88	459797	14.376	ppbv 98
41) Tetrahydrofuran	6.04	42	1049913	14.860	ppbv 99
42) Bromodichloromethane	7.79	83	3631287	14.471	ppbv 98
43) Methyl Methacrylate	8.01	69	1693020	15.525	ppbv 100

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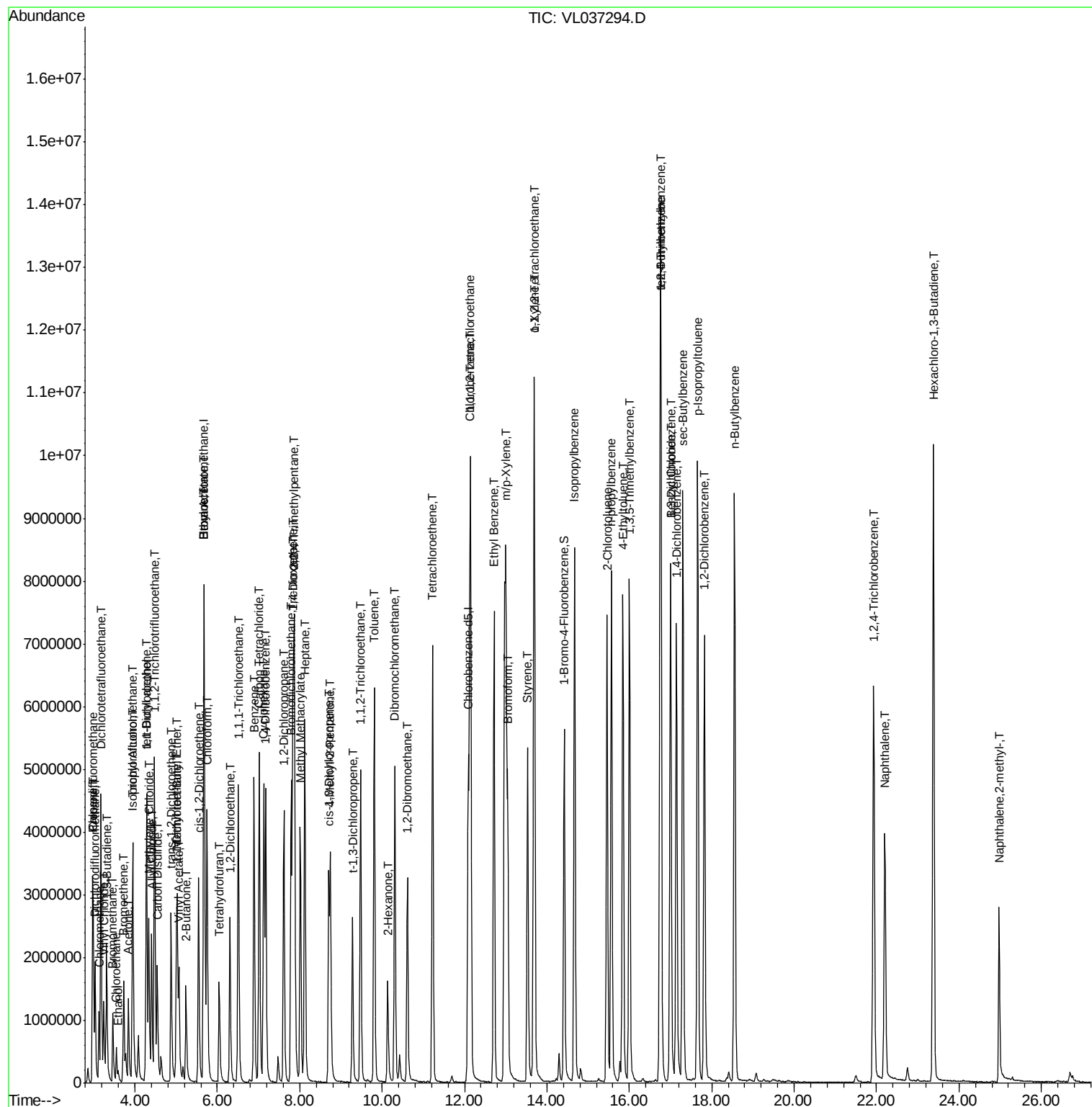
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	7302854	13.708	ppbv	100
45) t-1,3-Dichloropropene	9.28	75	1692955	17.833	ppbv	100
46) cis-1,3-Dichloropropene	8.70	75	2119237	16.266	ppbv	98
47) 1,1,2-Trichloroethane	9.48	97	1963923	14.589	ppbv	97
48) Dibromochloromethane	10.31	129	3423317	16.184	ppbv	100
49) Bromoform	13.05	173	2950223	18.472	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	3067675	14.825	ppbv	100
51) 2-Hexanone	10.14	43	1541159	15.322	ppbv	99
52) Tetrachloroethene	11.23	164	1953220	13.226	ppbv	97
53) Toluene	9.81	91	5533804	14.565	ppbv	99
54) 1,2-Dibromoethane	10.62	107	2953036	15.292	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.13	131	2347465	13.908	ppbv #	73
57) Chlorobenzene	12.15	112	4317488	13.707	ppbv	99
58) Ethyl Benzene	12.72	91	7230489	13.583	ppbv	96
59) m/p-Xylene	13.00	91	6048819	13.408	ppbv #	27
60) o-Xylene	13.70	91	5824397	13.540	ppbv	99
61) Styrene	13.53	104	3489536	15.750	ppbv	100
62) Isopropylbenzene	14.67	105	8100058	13.212	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.68	83	4096353	14.189	ppbv	99
64) n-propylbenzene	15.57	120	2275546	14.785	ppbv	92
65) tert-Butylbenzene	16.75	119	7418123	13.553	ppbv	99
66) Benzyl Chloride	16.99	91	524730	20.785	ppbv	98
67) sec-Butylbenzene	17.30	105	9833343	13.463	ppbv	98
69) p-Isopropyltoluene	17.66	119	8593583	13.920	ppbv	99
70) n-Butylbenzene	18.55	91	8195412	14.343	ppbv	98
71) 2-Chlorotoluene	15.46	91	5993836	13.960	ppbv	99
72) 4-Ethyltoluene	15.84	105	7222545	14.594	ppbv	99
73) 1,3,5-Trimethylbenzene	16.00	105	6558731	13.768	ppbv	98
74) 1,2,4-Trimethylbenzene	16.77	105	6742229	13.747	ppbv	98
75) 1,3-Dichlorobenzene	17.00	146	4406559	14.660	ppbv	99
76) 1,4-Dichlorobenzene	17.14	146	4365149	14.447	ppbv	100
77) 1,2-Dichlorobenzene	17.82	146	4200495	14.396	ppbv	99
78) Hexachloro-1,3-Butadiene	23.38	225	2779151	11.337	ppbv	100
79) Naphthalene	22.20	128	5520755	13.966	ppbv	99
80) Naphthalene, 2-methyl-	24.98	142	1911858	18.532	ppbv	98
81) 1,2,4-Trichlorobenzene	21.93	180	3291932	14.216	ppbv	98

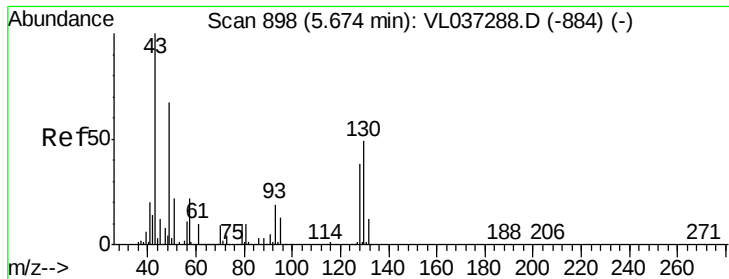
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. -0.01 min

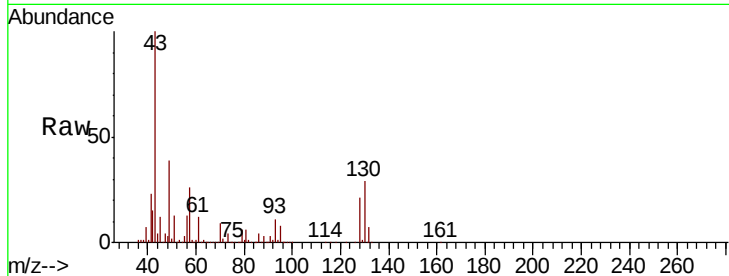
Lab File: VL037294.D

Acq: 30 Jul 2021 21:13

Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 49 Resp: 1230051

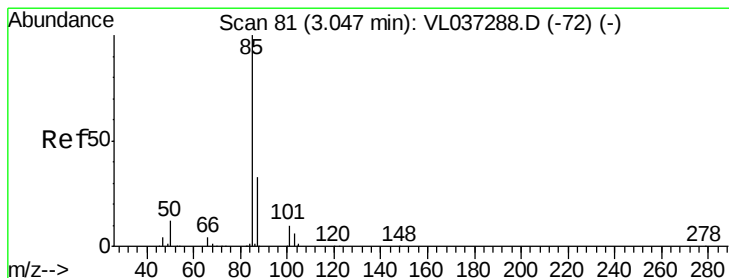
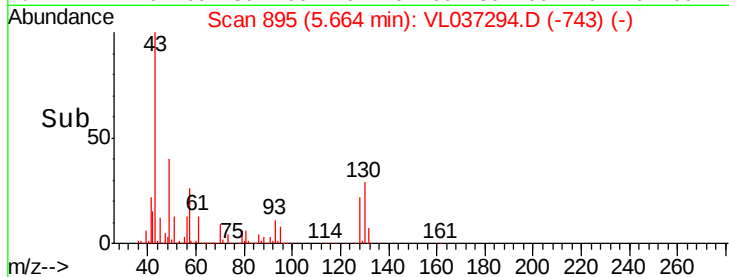
Ion	Ratio	Lower	Upper
49	100		
128	61.7	30.6	92.0
130	75.6	37.8	113.4



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 7.680 ppbv

RT: 3.03 min Scan# 76

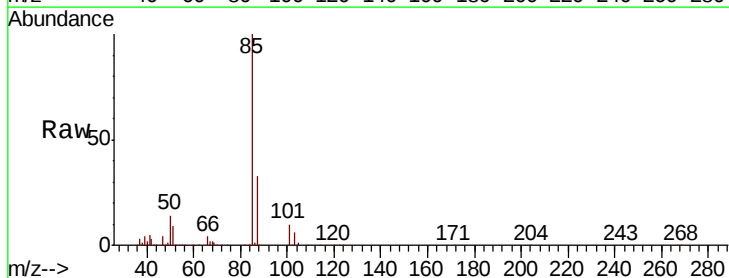
Delta R.T. -0.02 min

Lab File: VL037294.D

Acq: 30 Jul 2021 21:13

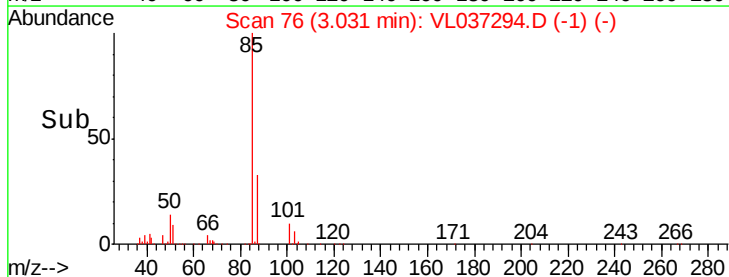
Tgt Ion: 85 Resp: 1573526

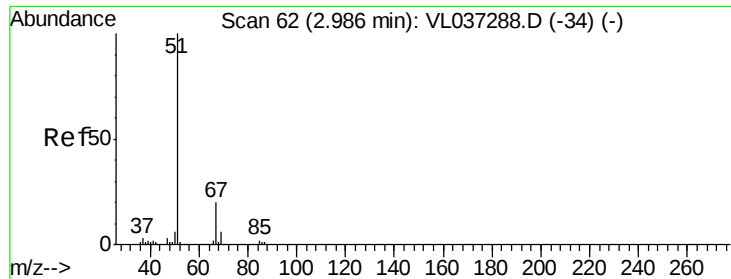
Ion	Ratio	Lower	Upper
85	100		
87	33.1	26.6	40.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

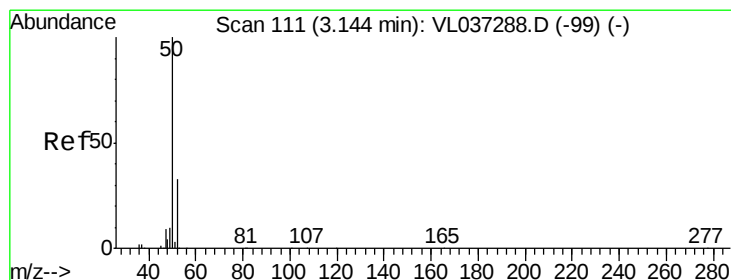
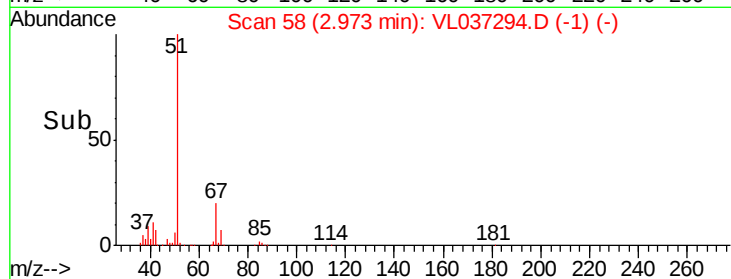
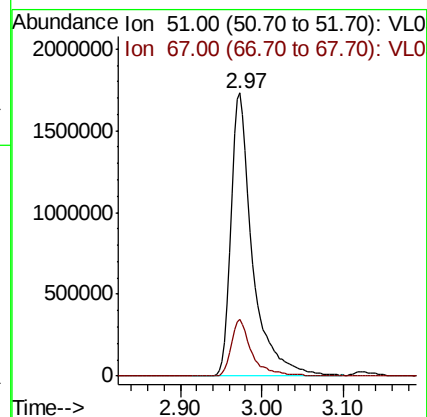
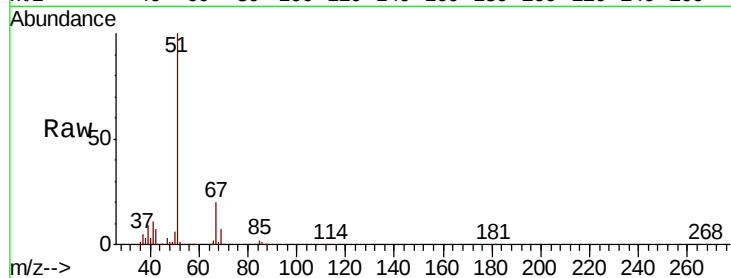




#3
Chlorodifluoromethane
Concen: 13.416 ppbv
RT: 2.97 min Scan# 58
Delta R.T. -0.01 min
Lab File: VL037294.D
Acq: 30 Jul 2021 21:13

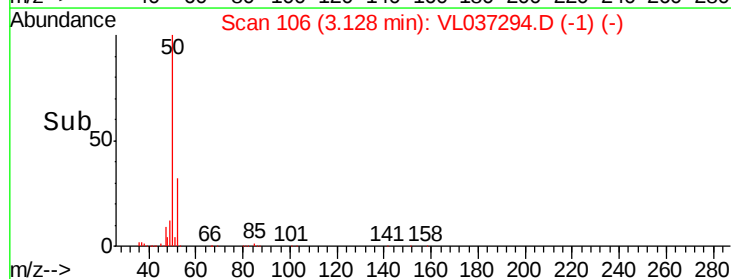
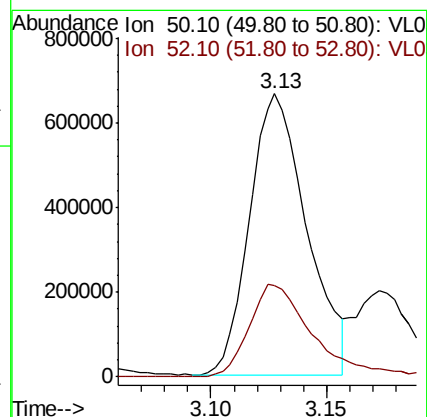
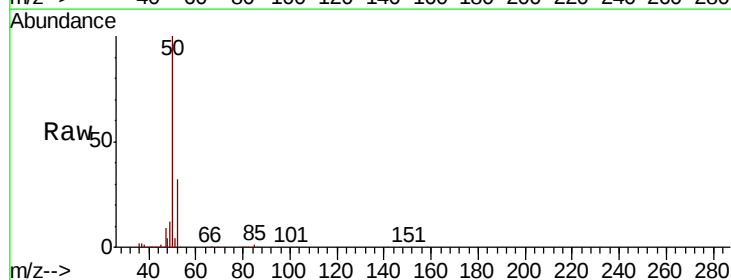
Instrument :
MSVOA_L
ClientSampleId :

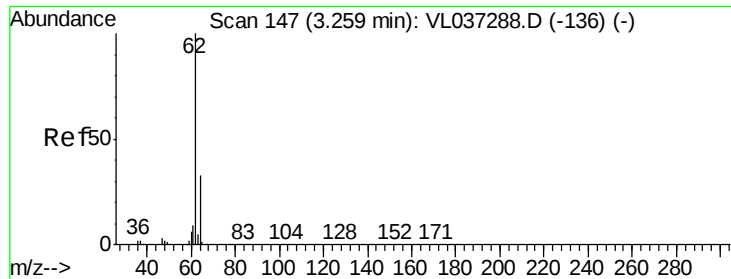
Tot Ion: 51 Resp: 3222731
Ion Ratio Lower Upper
51 100
67 19.3 15.2 22.8



#4
Chloromethane
Concen: 14.228 ppbv
RT: 3.13 min Scan# 106
Delta R.T. -0.02 min
Lab File: VL037294.D
Acq: 30 Jul 2021 21:13

Tgt Ion: 50 Resp: 1140400
Ion Ratio Lower Upper
50 100
52 32.4 26.2 39.4





#5

Vinyl Chloride

Concen: 14.273 ppbv

RT: 3.24 min Scan# 142

Delta R.T. -0.02 min

Lab File: VL037294.D

Acq: 30 Jul 2021 21:13

Instrument :

MSVOA_L

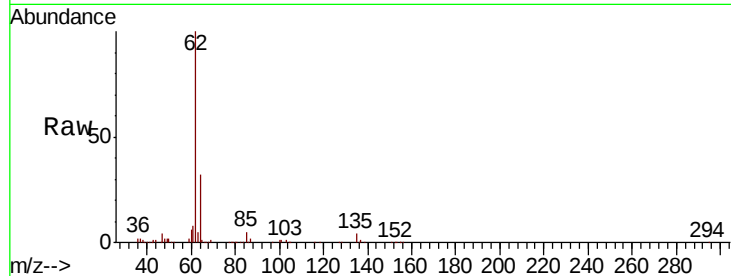
ClientSampleId :

Tot Ion: 62 Resp: 1255691

Ion Ratio Lower Upper

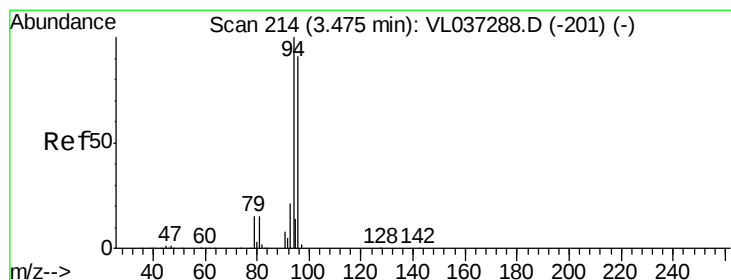
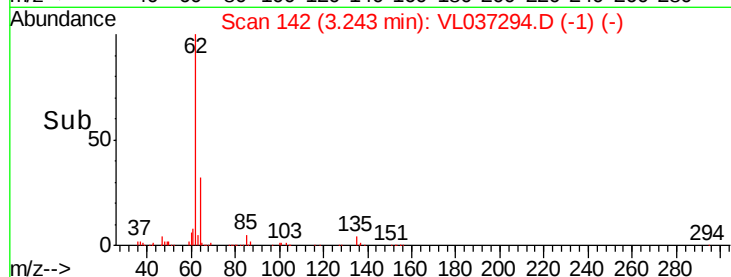
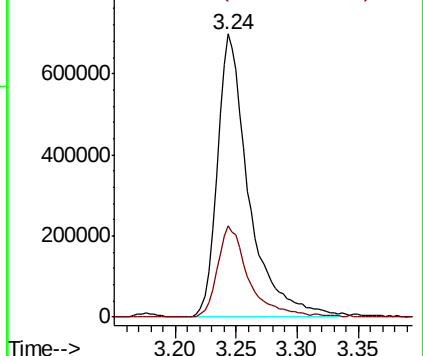
62 100

64 32.3 26.1 39.1



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 13.665 ppbv

RT: 3.46 min Scan# 210

Delta R.T. -0.01 min

Lab File: VL037294.D

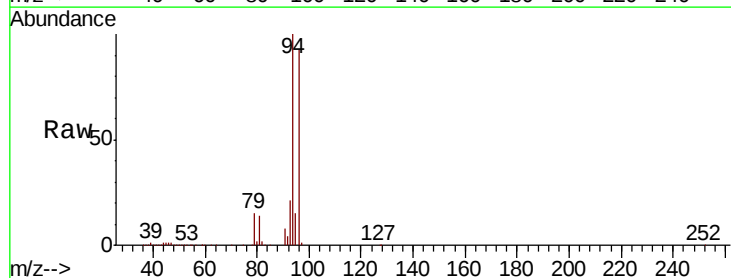
Acq: 30 Jul 2021 21:13

Tgt Ion: 94 Resp: 715707

Ion Ratio Lower Upper

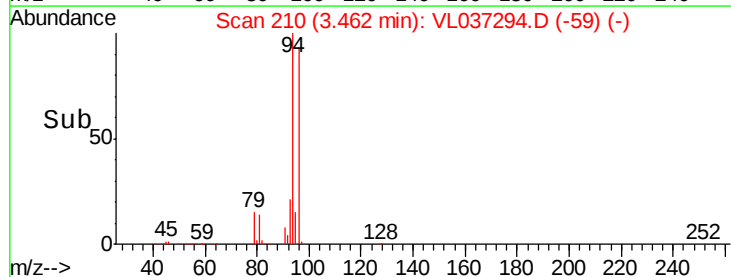
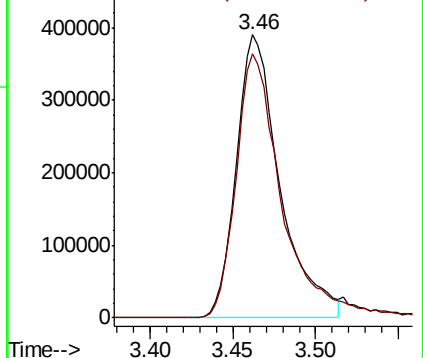
94 100

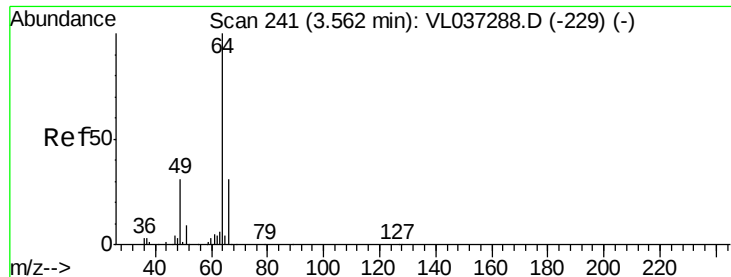
96 93.4 72.7 109.1



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 14.396 ppbv

RT: 3.55 min Scan# 236

Delta R.T. -0.02 min

Lab File: VL037294.D

Acq: 30 Jul 2021 21:13

Instrument :

MSVOA_L

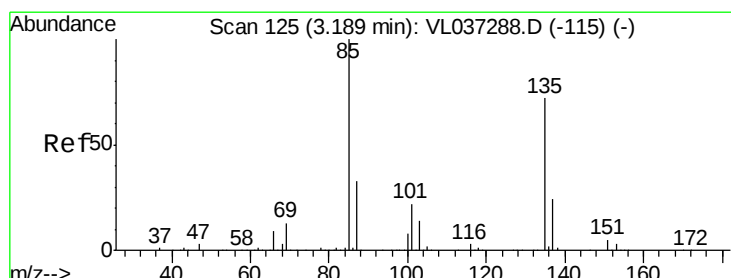
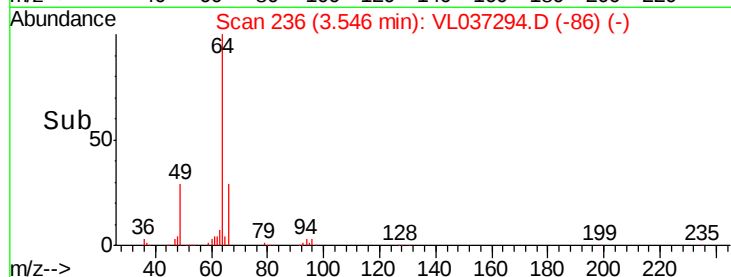
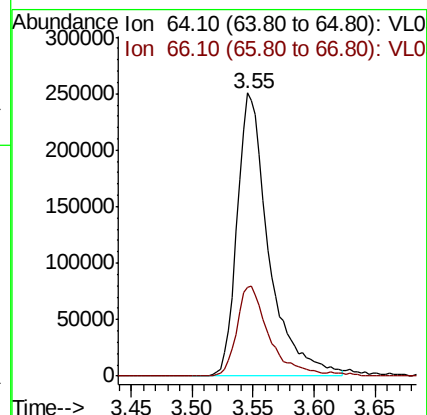
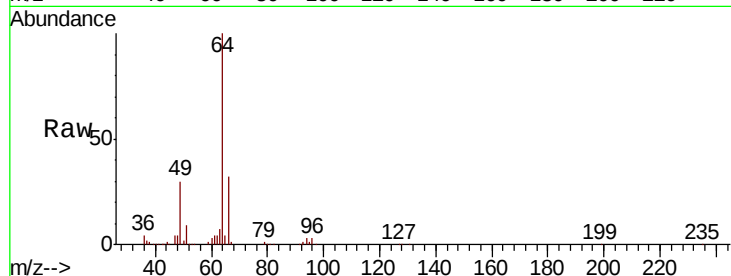
ClientSampleId :

Tot Ion: 64 Resp: 453354

Ion Ratio Lower Upper

64 100

66 31.6 24.9 37.3



#8

Dichlorotetrafluoroethane

Concen: 10.059 ppbv

RT: 3.18 min Scan# 121

Delta R.T. -0.01 min

Lab File: VL037294.D

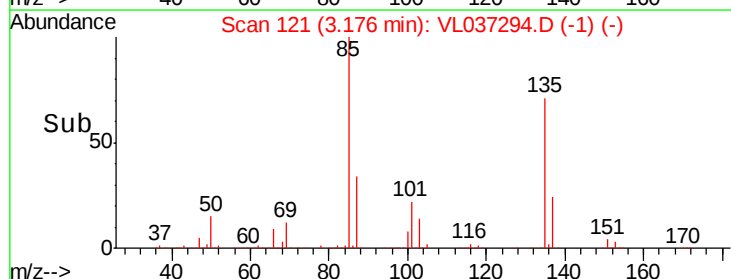
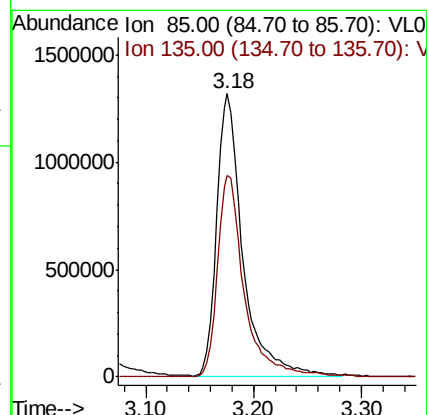
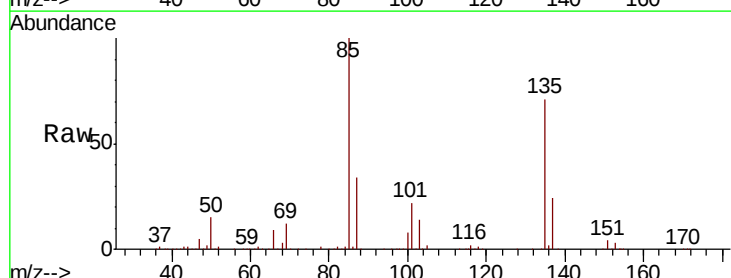
Acq: 30 Jul 2021 21:13

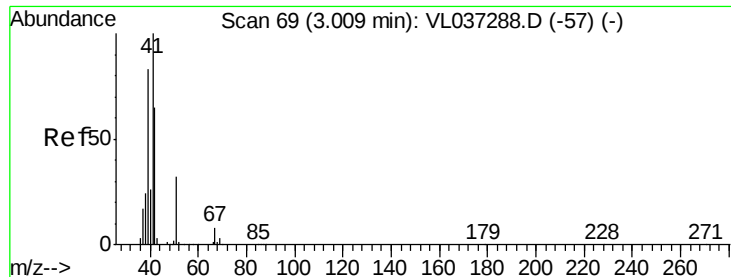
Tgt Ion: 85 Resp: 2202278

Ion Ratio Lower Upper

85 100

135 74.1 61.0 91.4





#9

Propene

Concen: 13.551 ppbv

RT: 2.99 min Scan# 63

Delta R.T. -0.02 min

Lab File: VL037294.D

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Instrument :

MSVOA_L

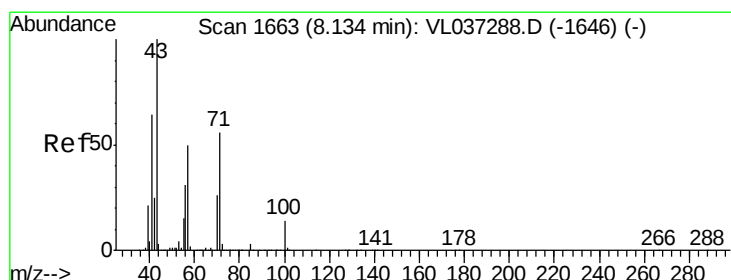
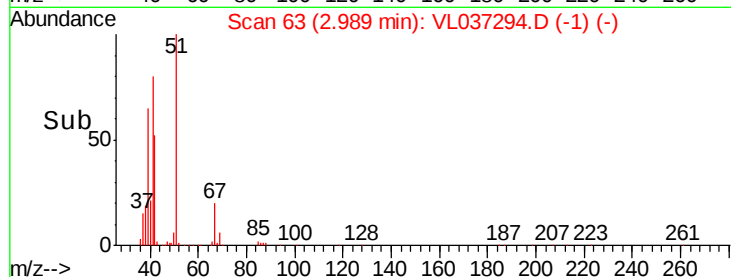
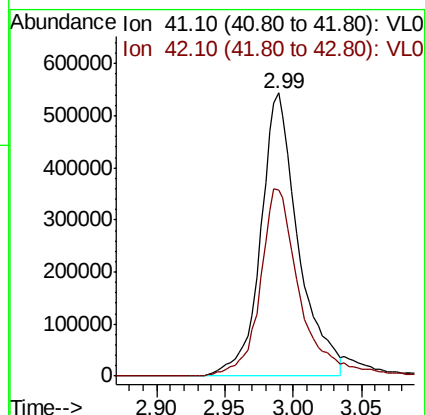
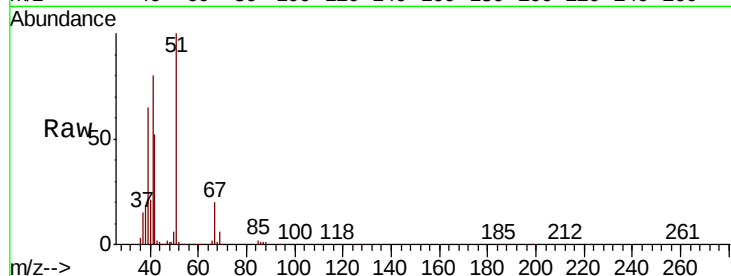
ClientSampleId :

Tot Ion: 41 Resp: 1039481

Ion Ratio Lower Upper

41 100

42 70.8 54.0 81.0



#10

Heptane

Concen: 15.243 ppbv

RT: 8.12 min Scan# 1660

Delta R.T. -0.01 min

Lab File: VL037294.D

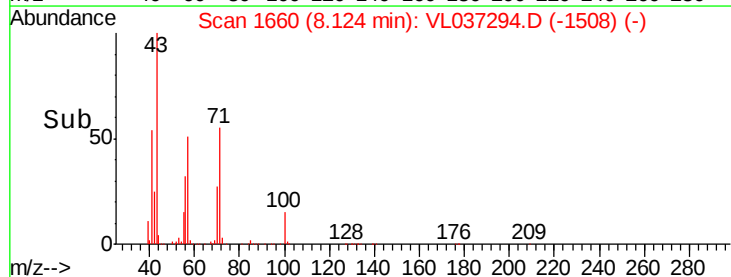
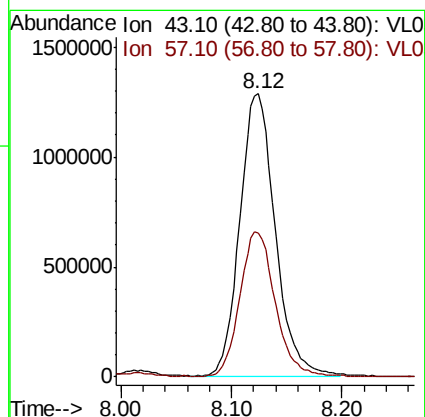
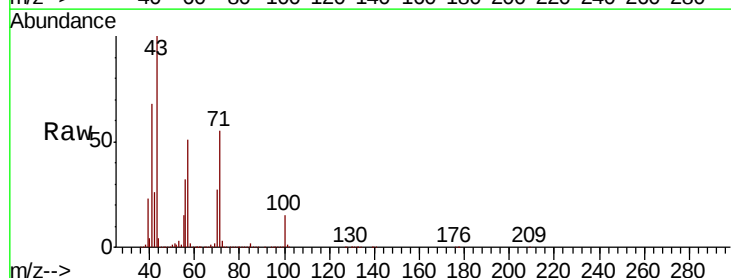
Acq: 30 Jul 2021 21:13

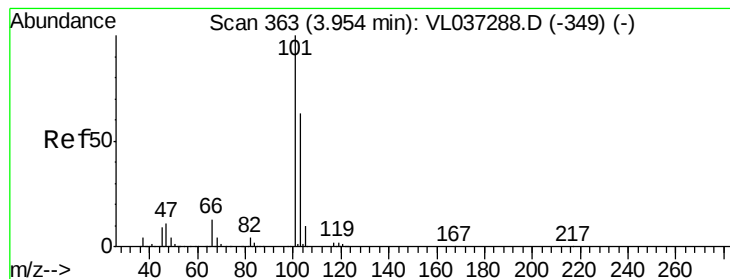
Tgt Ion: 43 Resp: 2846433

Ion Ratio Lower Upper

43 100

57 51.6 40.9 61.3





#11

Trichlorofluoromethane

Concen: 12.655 ppbv

RT: 3.94 min Scan# 359

Delta R.T. -0.01 min

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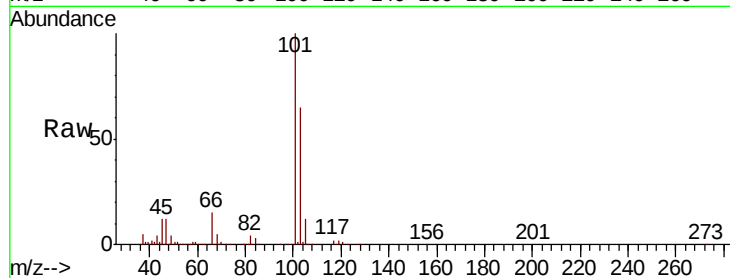
ClientSampleId :

Tot Ion:101 Resp: 2861144

Ion Ratio Lower Upper

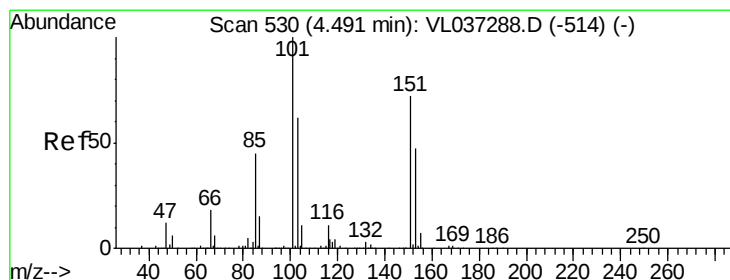
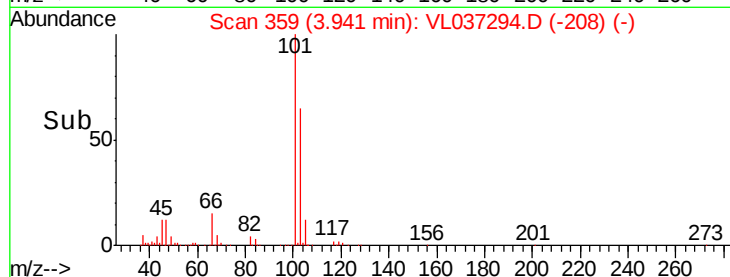
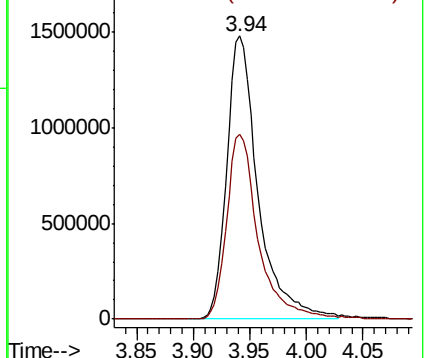
101 100

103 65.3 50.6 75.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 13.959 ppbv

RT: 4.48 min Scan# 526

Delta R.T. -0.01 min

Lab File: VL037294.D

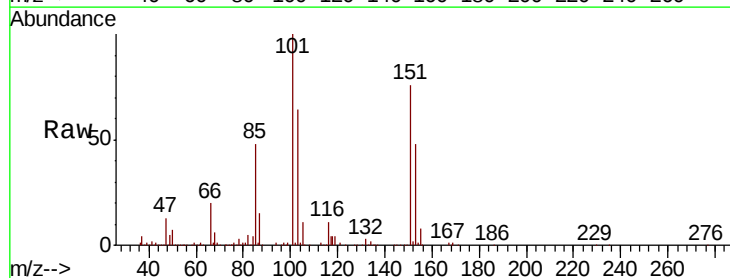
Acq: 30 Jul 2021 21:13

Tgt Ion:101 Resp: 2244475

Ion Ratio Lower Upper

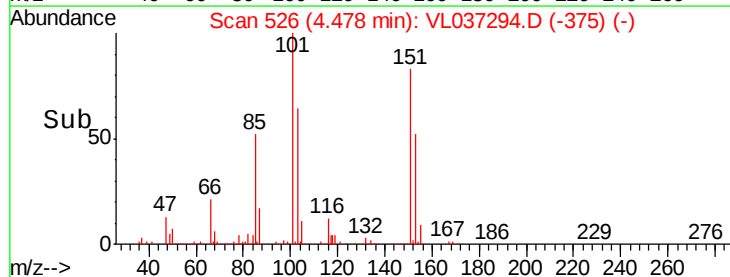
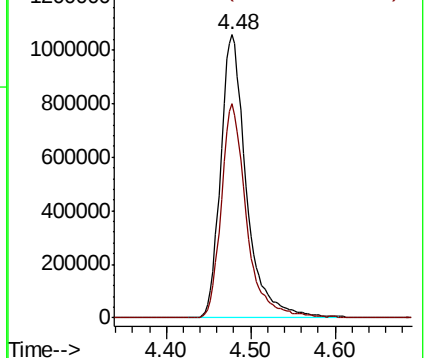
101 100

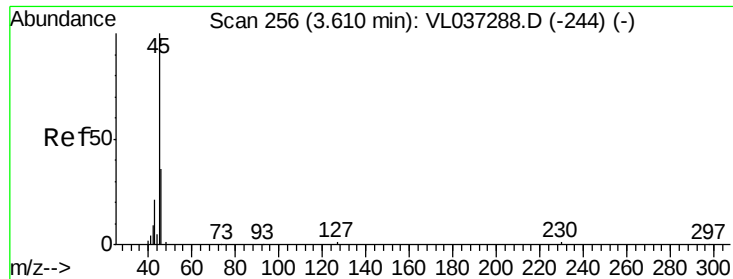
151 74.6 61.4 92.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 13.587 ppbv

RT: 3.59 min Scan# 250

Delta R.T. -0.02 min

Lab File: VL037294.D

Acq: 30 Jul 2021 21:13

Instrument :

MSVOA_L

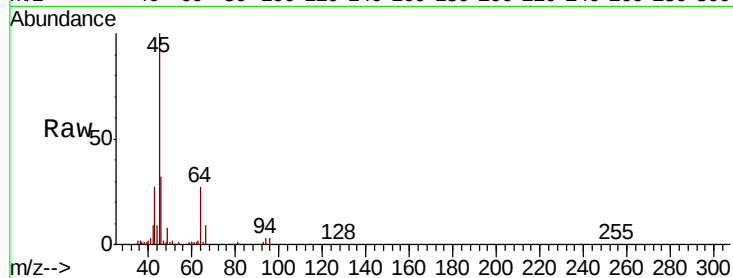
ClientSampleId :

Tot Ion: 45 Resp: 166555

Ion Ratio Lower Upper

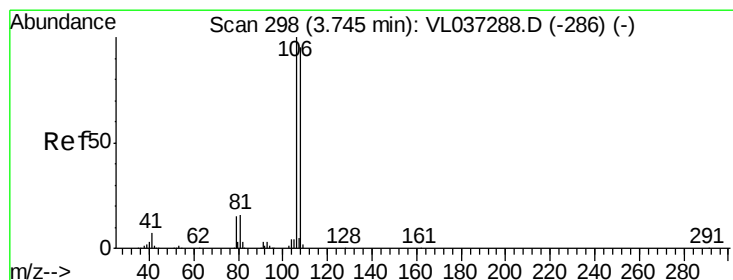
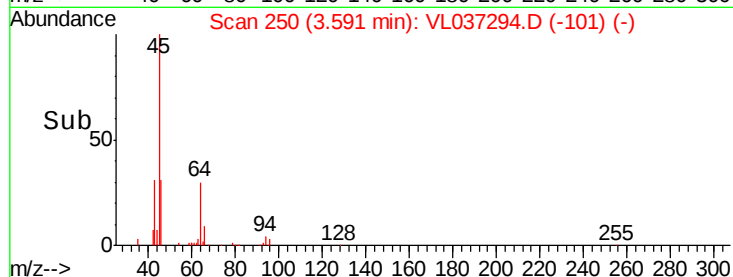
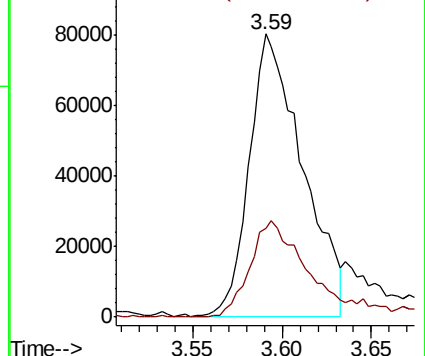
45 100

46 41.4 16.2 64.8



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#14

Bromoethene

Concen: 14.189 ppbv

RT: 3.73 min Scan# 294

Delta R.T. -0.01 min

Lab File: VL037294.D

Acq: 30 Jul 2021 21:13

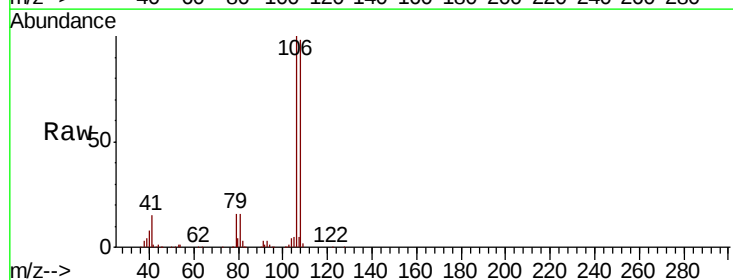
Tgt Ion: 108 Resp: 958405

Ion Ratio Lower Upper

108 100

106 107.9 86.2 129.2

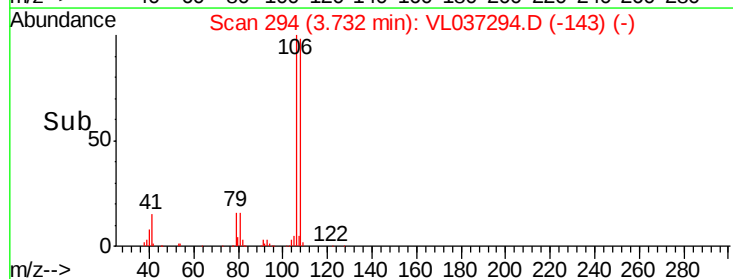
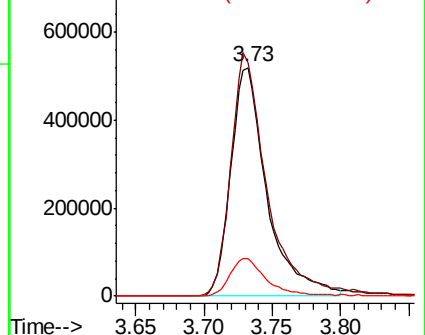
79 17.3 13.3 19.9

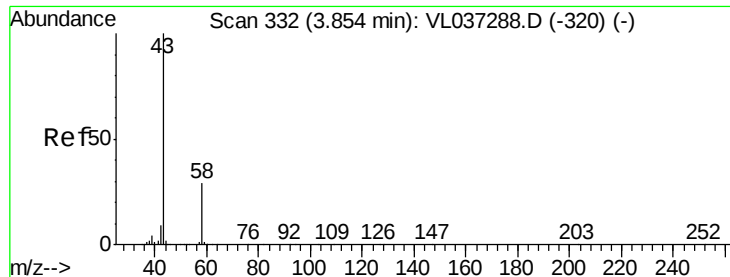


Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0





#15

Acetone

Concen: 11.640 ppbv

RT: 3.84 min Scan# 327

Delta R.T. -0.02 min

Lab File: VL037294.D

Acq: 30 Jul 2021 21:13

Instrument :

MSVOA_L

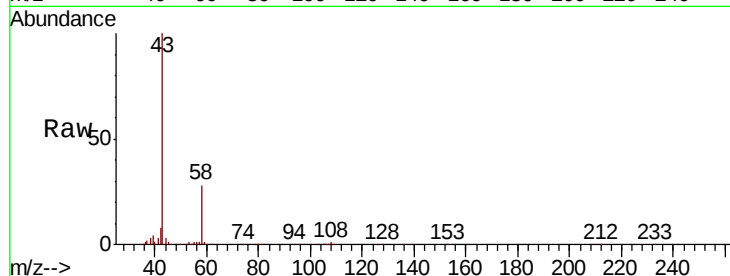
ClientSampleId :

Tot Ion: 43 Resp: 1634455

Ion Ratio Lower Upper

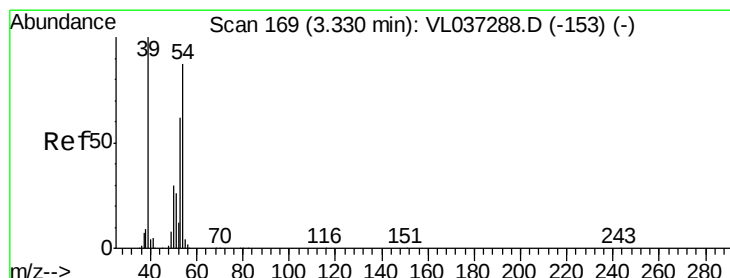
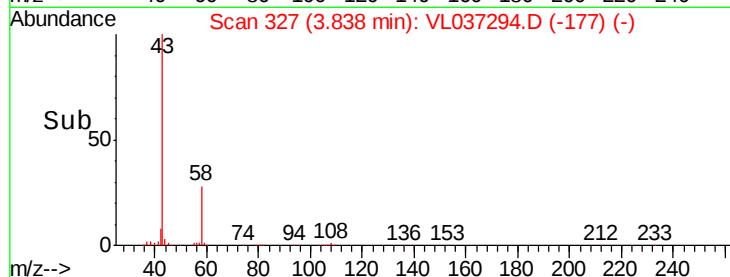
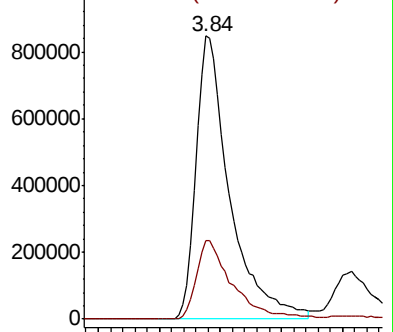
43 100

58 29.8 24.2 36.4



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 14.316 ppbv

RT: 3.31 min Scan# 164

Delta R.T. -0.02 min

Lab File: VL037294.D

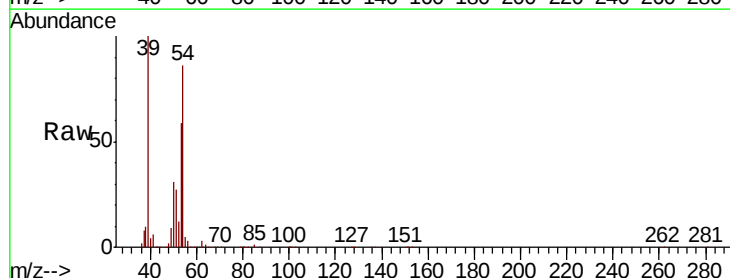
Acq: 30 Jul 2021 21:13

Tgt Ion: 39 Resp: 1168497

Ion Ratio Lower Upper

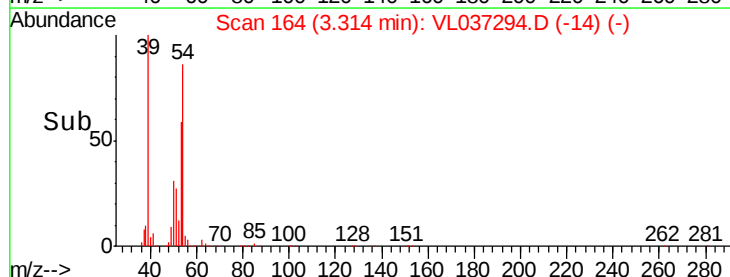
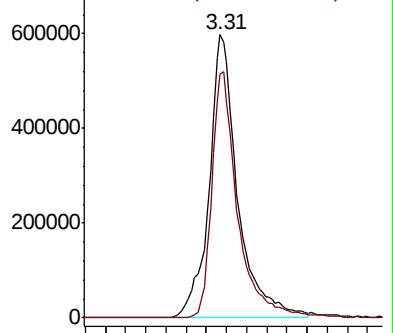
39 100

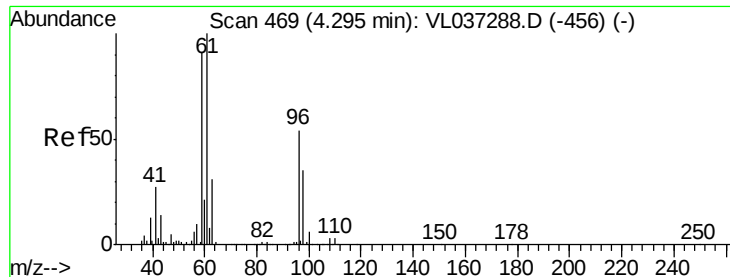
54 79.0 63.9 95.9



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0



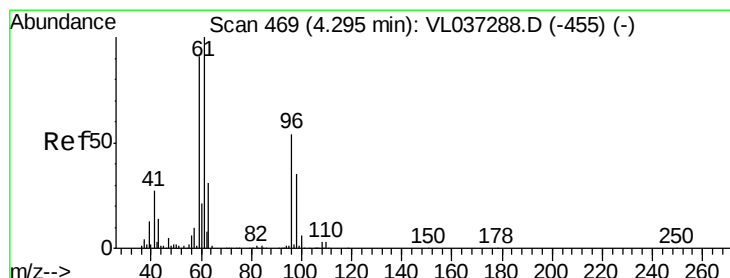
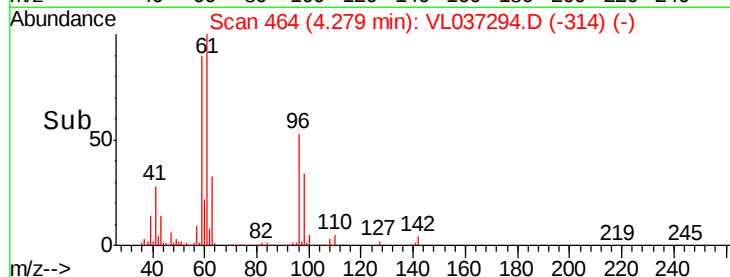
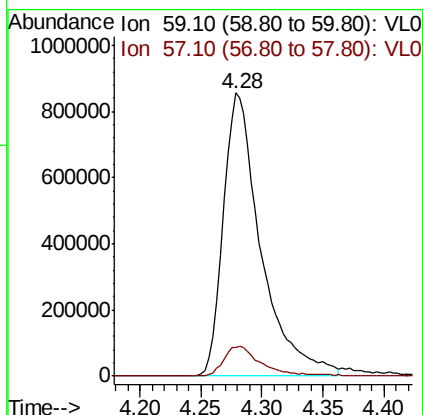
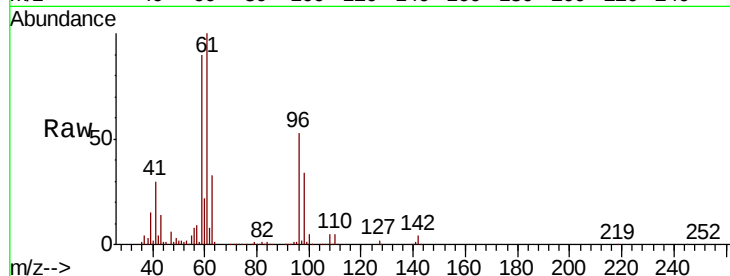


#17

tert-Butyl alcohol
 Concen: 14.403 ppbv
 RT: 4.28 min Scan# 464
 Delta R.T. -0.02 min
 Lab File: VL037294.D
 Acq: 30 Jul 2021 21:13

Instrument :
 MSVOA_L
 ClientSampled :

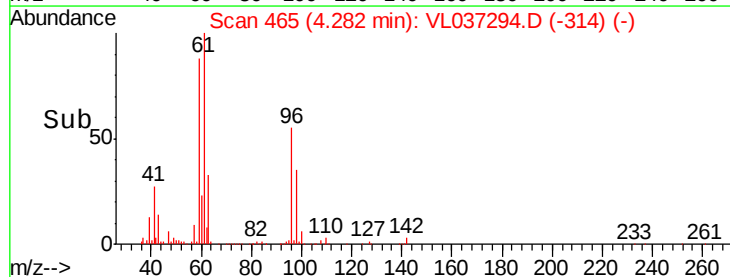
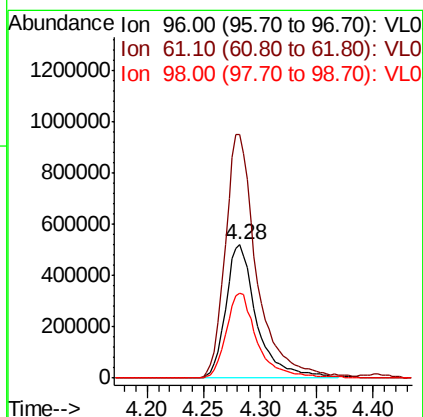
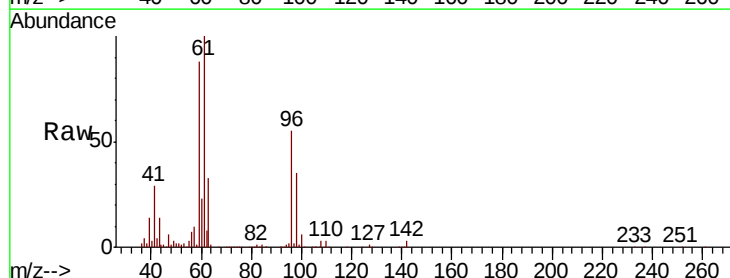
Tot Ion: 59 Resp: 1846750
 Ion Ratio Lower Upper
 59 100
 57 10.7 8.6 13.0

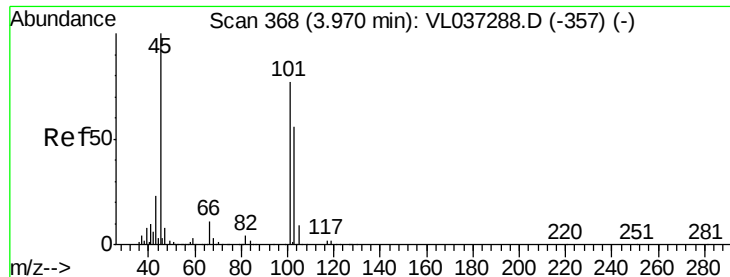


#18

1,1-Dichloroethene
 Concen: 13.846 ppbv
 RT: 4.28 min Scan# 465
 Delta R.T. -0.01 min
 Lab File: VL037294.D
 Acq: 30 Jul 2021 21:13

Tgt Ion: 96 Resp: 990376
 Ion Ratio Lower Upper
 96 100
 61 183.0 148.3 222.5
 98 64.1 51.4 77.0





#19

Isopropyl Alcohol

Concen: 13.449 ppbv

RT: 3.96 min Scan# 364

Delta R.T. -0.01 min

Lab File: VL037294.D

Acq: 30 Jul 2021 21:13

Instrument :

MSVOA_L

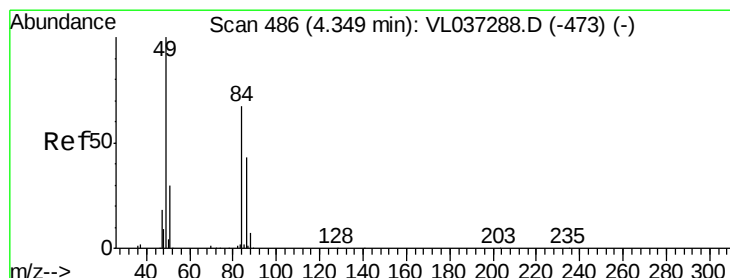
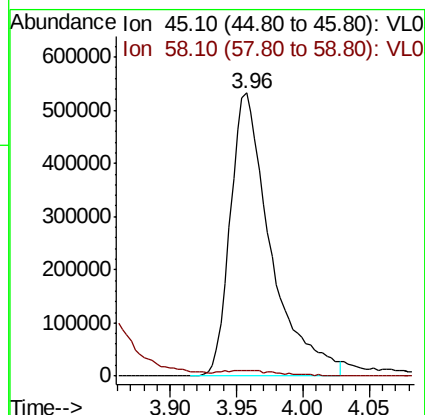
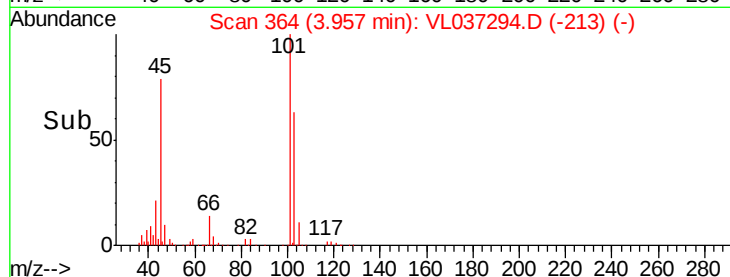
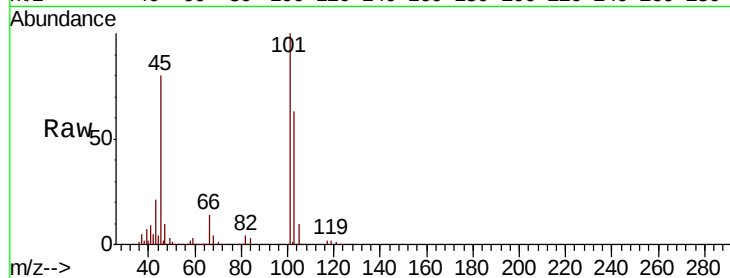
ClientSampleId :

Tot Ion: 45 Resp: 1125795

Ion Ratio Lower Upper

45 100

58 3.2 2.2 3.2



#20

Methylene Chloride

Concen: 11.600 ppbv

RT: 4.34 min Scan# 482

Delta R.T. -0.01 min

Lab File: VL037294.D

Acq: 30 Jul 2021 21:13

Tgt Ion: 84 Resp: 1015606

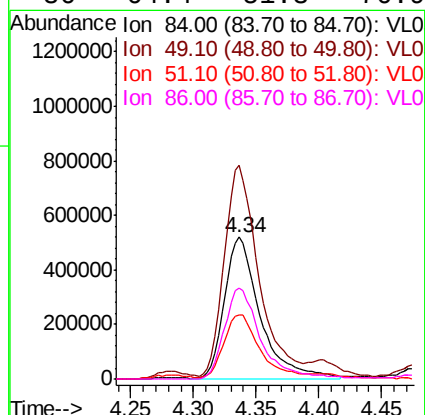
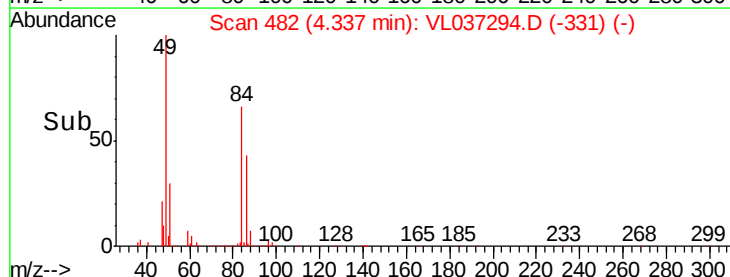
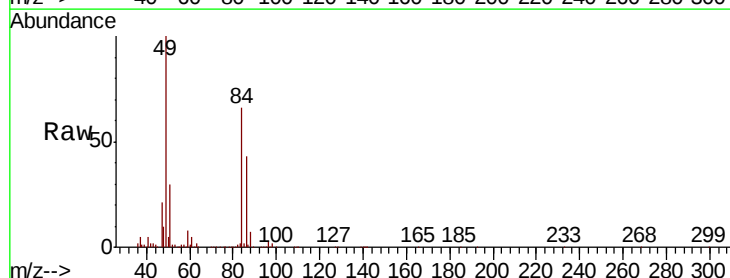
Ion Ratio Lower Upper

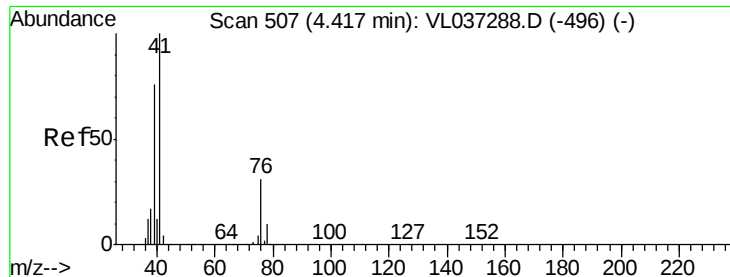
84 100

49 148.7 120.2 180.4

51 43.7 36.5 54.7

86 64.4 51.3 76.9

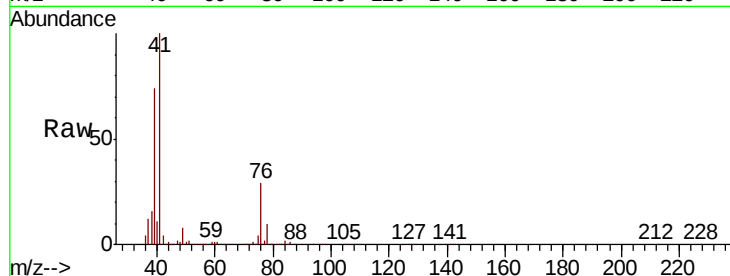




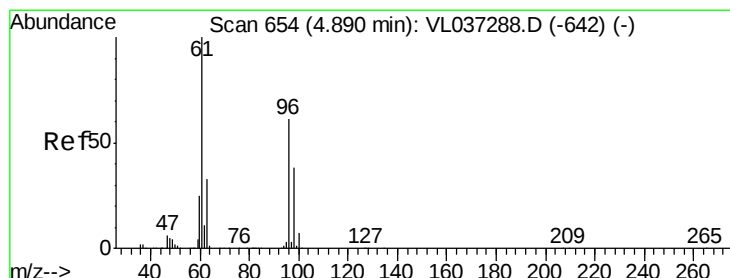
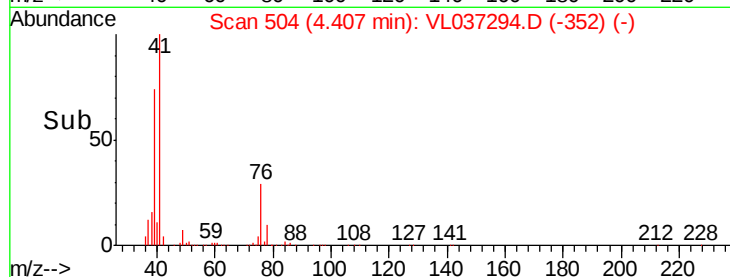
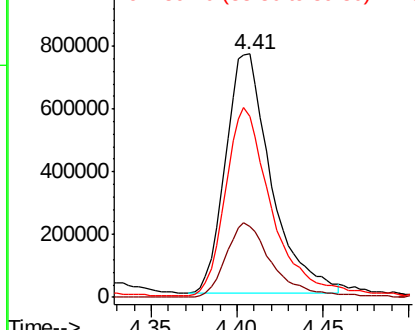
#21
Allvl Chloride
Concen: 13.564 ppbv
RT: 4.41 min Scan# 504
Delta R.T. -0.01 min
Lab File: VL037294.D
Acq: 30 Jul 2021 21:13

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 41 Resp: 1417833
Ion Ratio Lower Upper
41 100
76 31.8 24.7 37.1
39 80.2 64.5 96.7

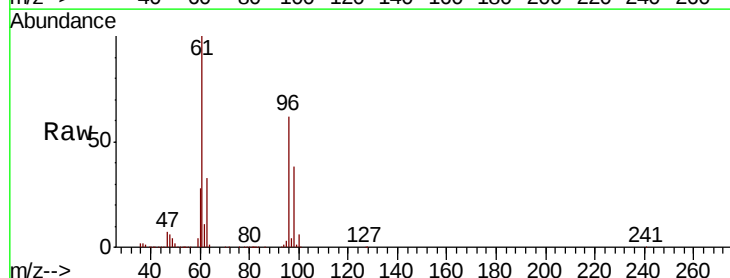


Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 76.10 (75.80 to 76.80): VL0
Ion 39.10 (38.80 to 39.80): VL0

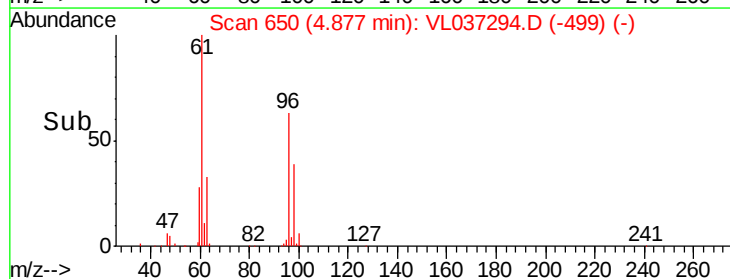
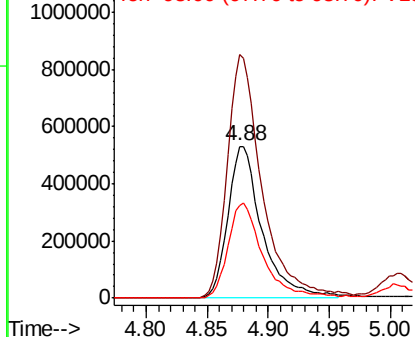


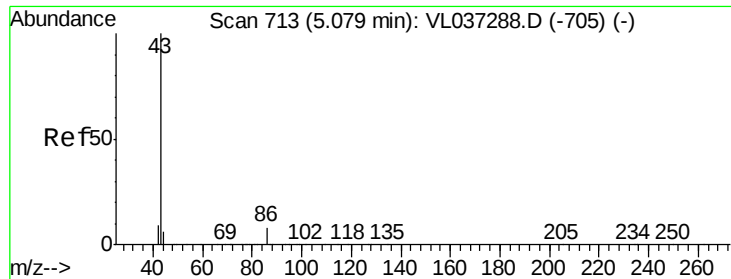
#22
trans-1,2-Dichloroethene
Concen: 14.592 ppbv
RT: 4.88 min Scan# 650
Delta R.T. -0.01 min
Lab File: VL037294.D
Acq: 30 Jul 2021 21:13

Tgt Ion: 96 Resp: 1041797
Ion Ratio Lower Upper
96 100
61 160.6 131.1 196.7
98 61.4 49.9 74.9



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



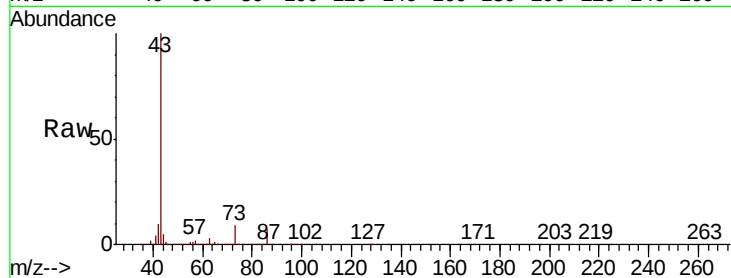


#23
 Vinyl Acetate
 Concen: 12.738 ppbv
 RT: 5.07 min Scan# 709
 Delta R.T. -0.01 min
 Lab File: VL037294.D
 Acq: 30 Jul 2021 21:13

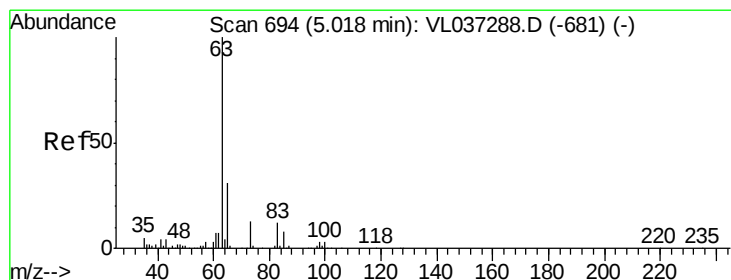
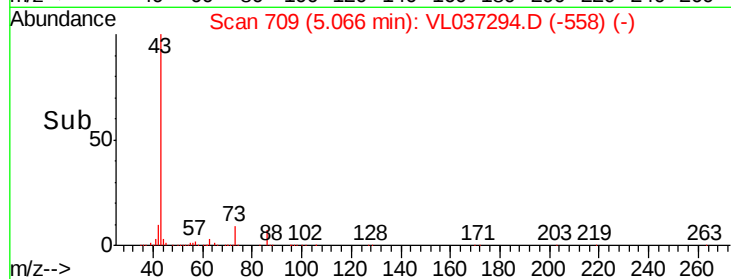
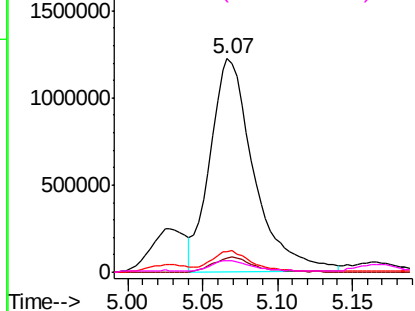
Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 43 Resp: 2479884

Ion	Ratio	Lower	Upper
43	100		
86	6.8	5.7	8.5
42	9.6	8.1	12.1
44	4.6	4.1	6.1



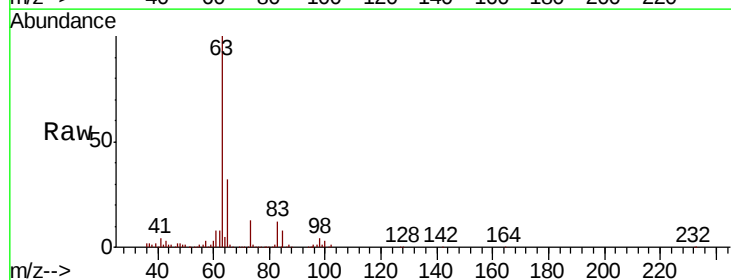
Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 86.10 (85.80 to 86.80): VL0
 Ion 42.10 (41.80 to 42.80): VL0
 Ion 44.10 (43.80 to 44.80): VL0



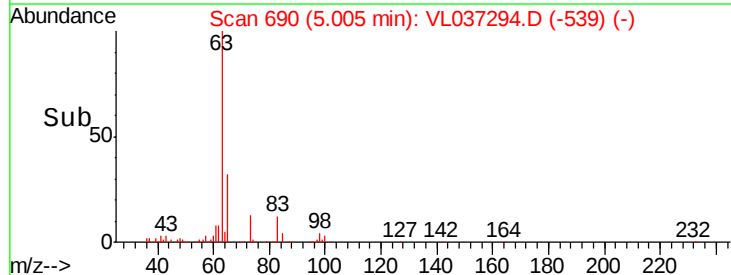
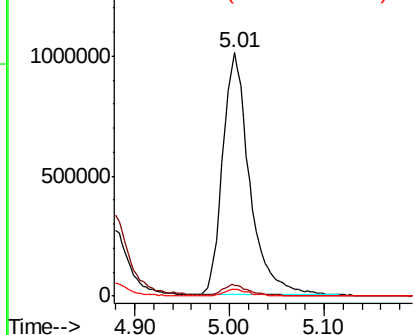
#24
 1,1-Dichloroethane
 Concen: 12.784 ppbv
 RT: 5.01 min Scan# 690
 Delta R.T. -0.01 min
 Lab File: VL037294.D
 Acq: 30 Jul 2021 21:13

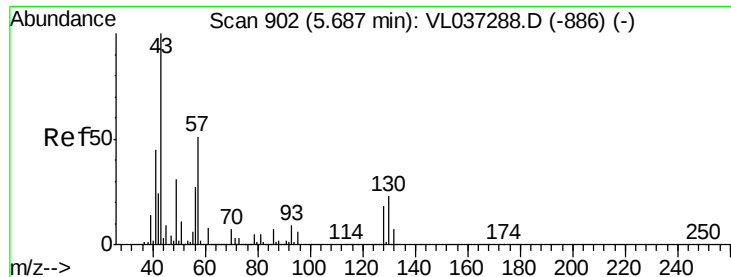
Tgt Ion: 63 Resp: 2001946

Ion	Ratio	Lower	Upper
63	100		
98	4.3	2.0	5.8
100	2.7	1.4	4.2



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



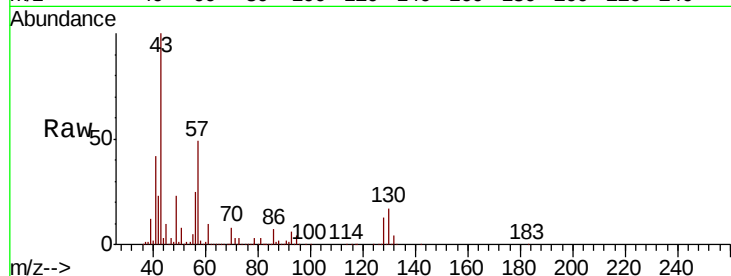


#25
Ethyl Acetate
Concen: 14.825 ppbv
RT: 5.67 min Scan# 898
Delta R.T. -0.01 min
Lab File: VL037294.D
Acq: 30 Jul 2021 21:13

Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 43 Resp: 4535673

Ion	Ratio	Lower	Upper
43	100		
45	9.9	7.4	11.2
61	10.2	7.8	11.6
70	7.3	5.4	8.2



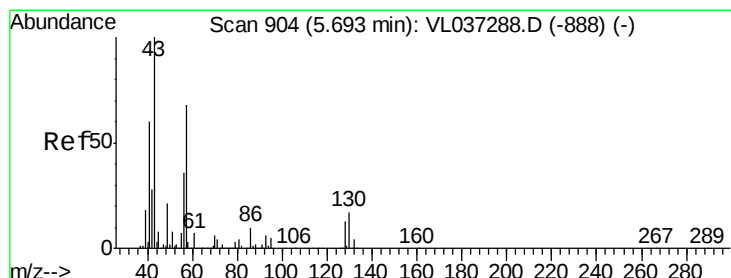
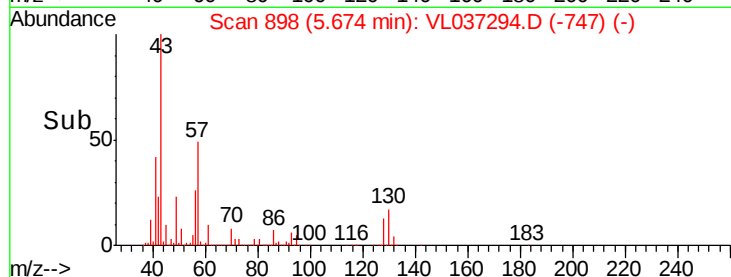
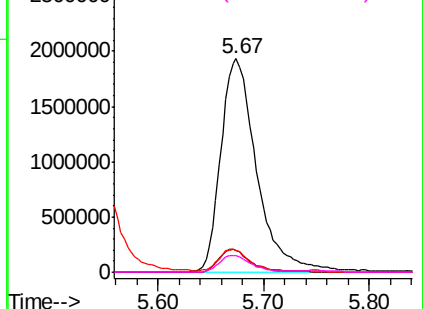
Abundance

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

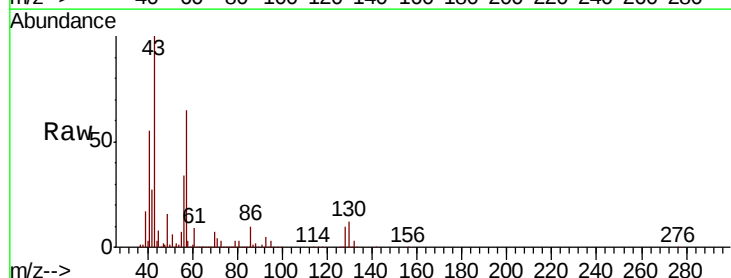
Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 14.931 ppbv
RT: 5.68 min Scan# 900
Delta R.T. -0.01 min
Lab File: VL037294.D
Acq: 30 Jul 2021 21:13

Tgt Ion: 57 Resp: 2343785

Ion	Ratio	Lower	Upper
57	100		
41	87.8	71.0	106.6
43	196.2	155.0	232.4
56	52.7	42.0	63.0



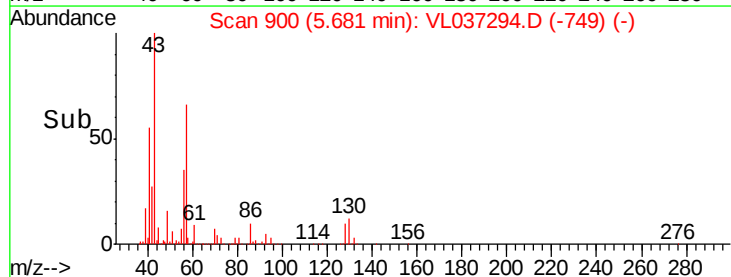
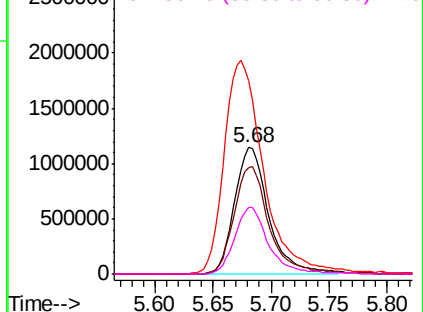
Abundance

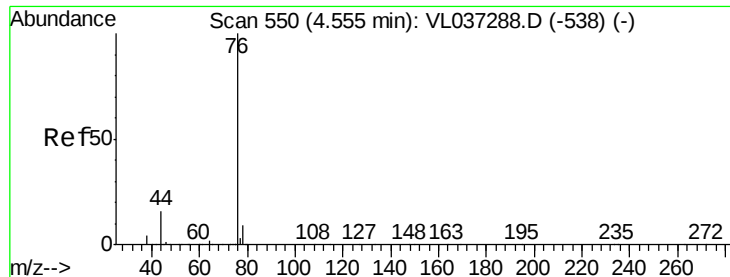
Ion 57.10 (56.80 to 57.80): VL0

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: 16.060 ppbv

RT: 4.54 min Scan# 546

Delta R.T. -0.01 min

Lab File: VL037294.D

Acq: 30 Jul 2021 21:13

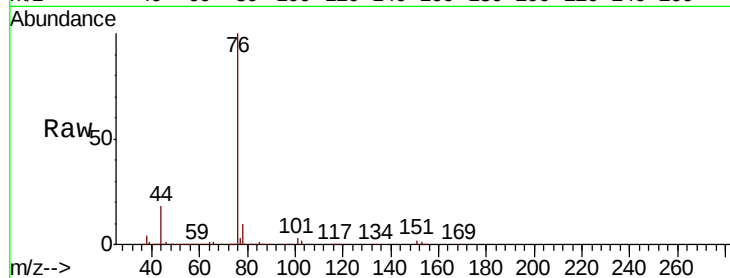
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 76 Resp: 2378687

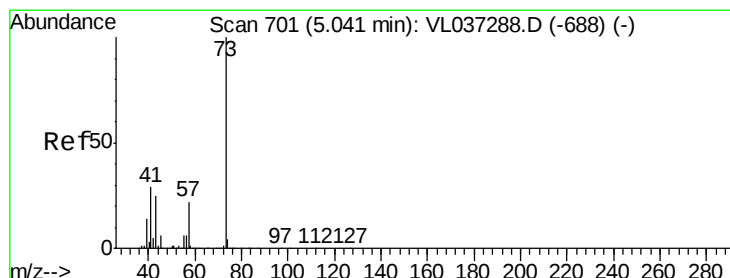
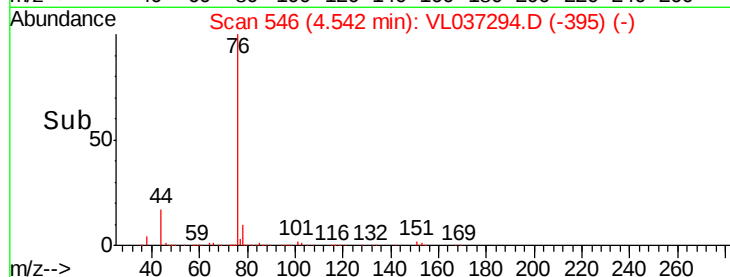
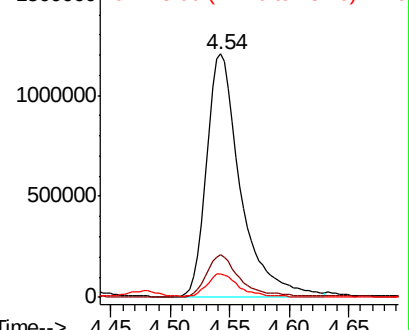
Ion	Ratio	Lower	Upper
76	100		
44	17.4	14.1	21.1
78	9.9	8.0	12.0



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: 11.932 ppbv

RT: 5.03 min Scan# 697

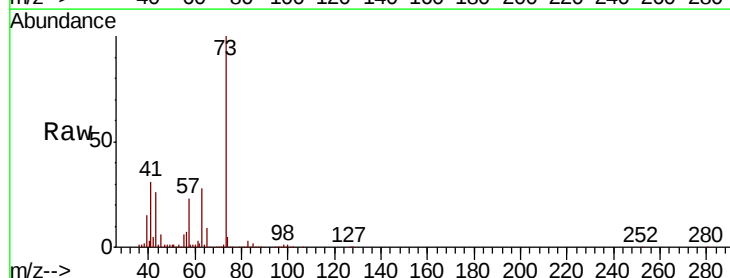
Delta R.T. -0.01 min

Lab File: VL037294.D

Acq: 30 Jul 2021 21:13

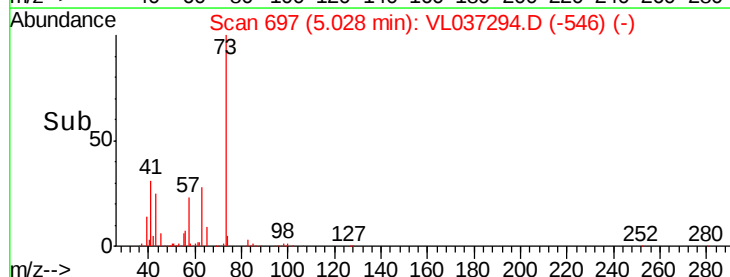
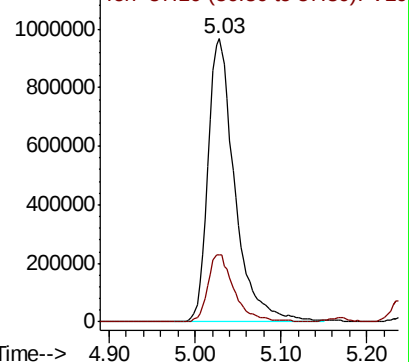
Tgt Ion: 73 Resp: 2101329

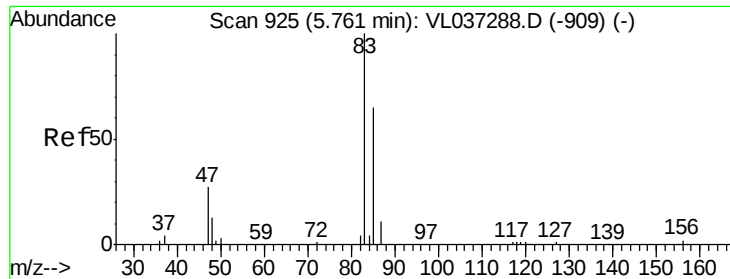
Ion	Ratio	Lower	Upper
73	100		
57	23.4	19.0	28.6



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

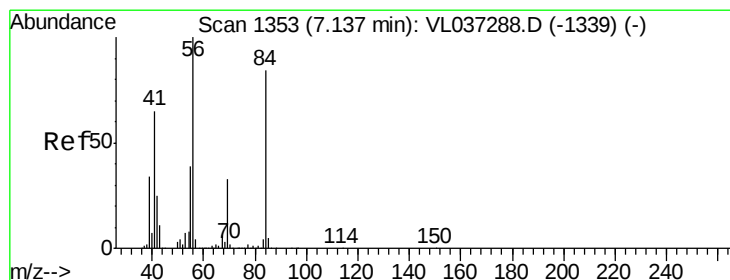
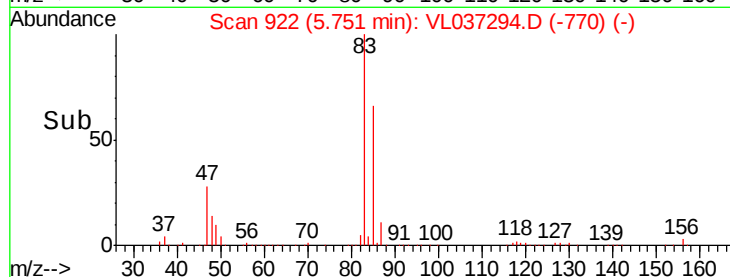
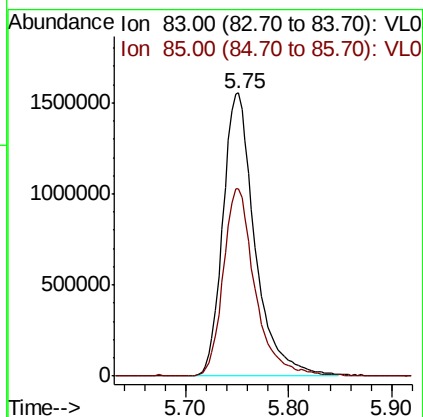
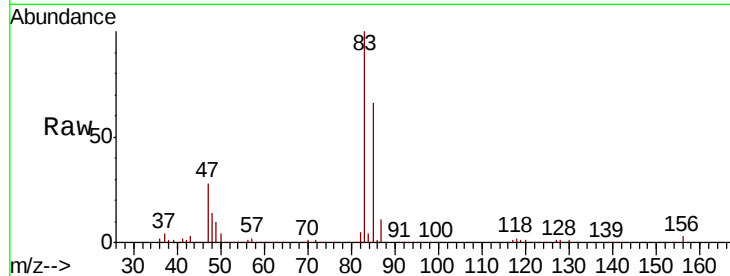




#29
Chloroform
Concen: 14.317 ppbv
RT: 5.75 min Scan# 922
Delta R.T. -0.01 min
Lab File: VL037294.D
Acq: 30 Jul 2021 21:13

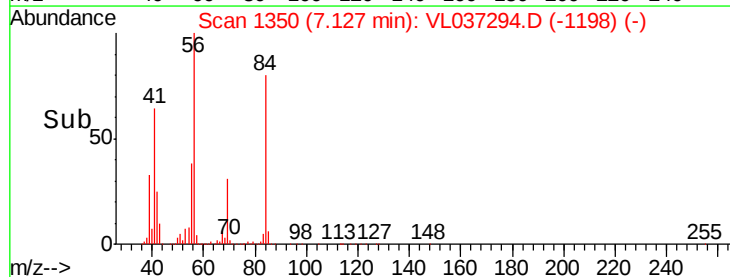
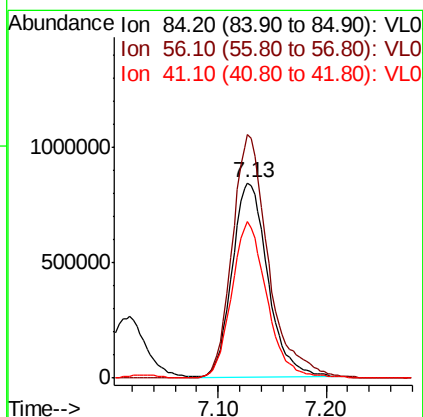
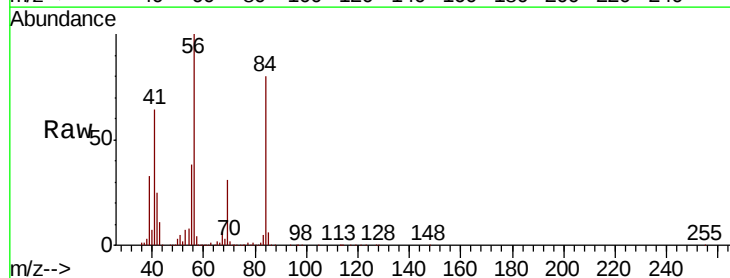
Instrument :
MSVOA_L
ClientSampleId :

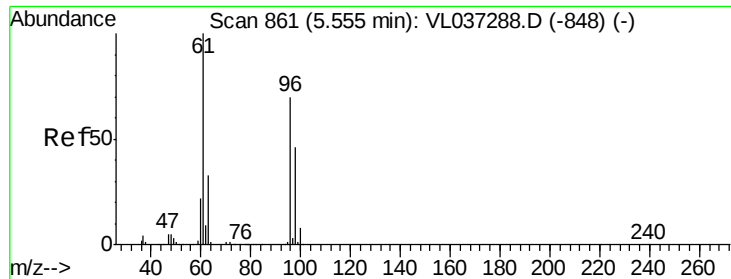
Tot Ion: 83 Resp: 3372133
Ion Ratio Lower Upper
83 100
85 66.2 51.9 77.9



#30
Cyclohexane
Concen: 15.023 ppbv
RT: 7.13 min Scan# 1350
Delta R.T. -0.01 min
Lab File: VL037294.D
Acq: 30 Jul 2021 21:13

Tgt Ion: 84 Resp: 1928439
Ion Ratio Lower Upper
84 100
56 128.3 104.1 156.1
41 79.4 64.7 97.1



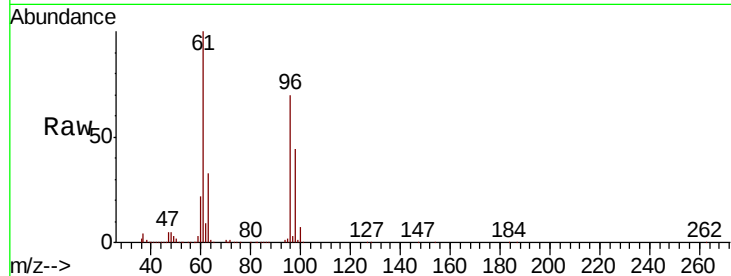


#31

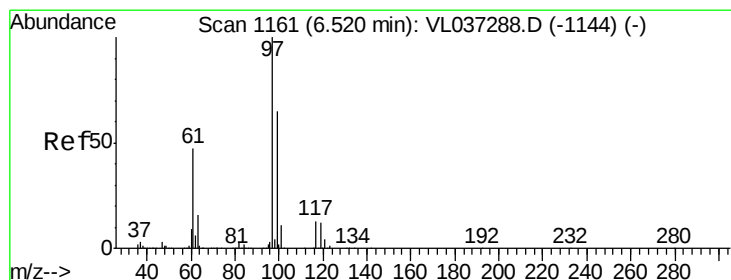
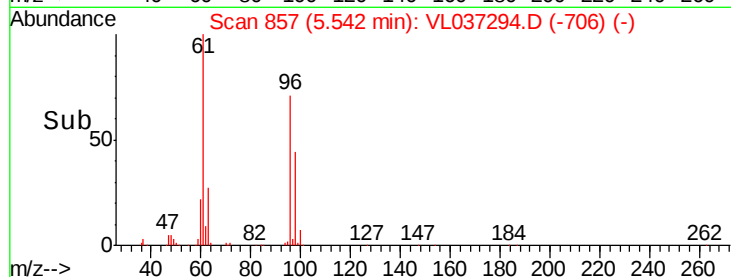
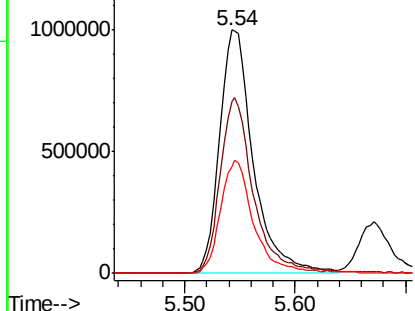
cis-1,2-Dichloroethene
Concen: 14.959 ppbv
RT: 5.54 min Scan# 857
Delta R.T. -0.01 min
Lab File: VL037294.D
Acq: 30 Jul 2021 21:13

Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 61 Resp: 2110225
Ion Ratio Lower Upper
61 100
96 70.5 55.9 83.9
98 43.6 37.1 55.7



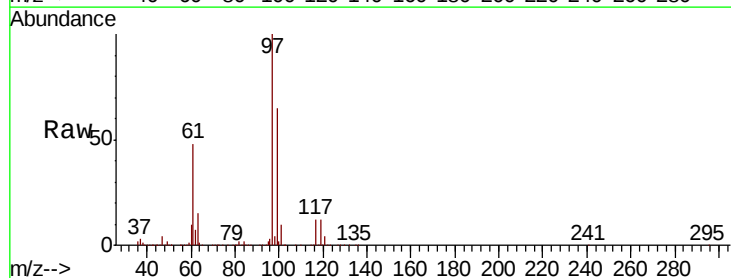
Abundance Ion 61.10 (60.80 to 61.80): VL0
Ion 96.00 (95.70 to 96.70): VL0
Ion 98.00 (97.70 to 98.70): VL0



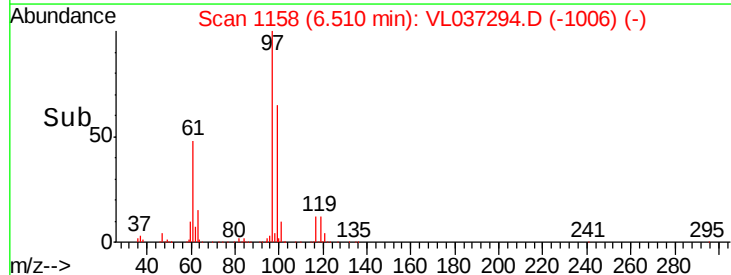
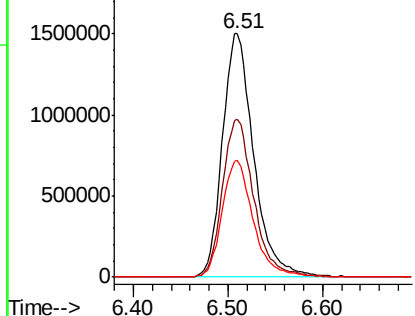
#32

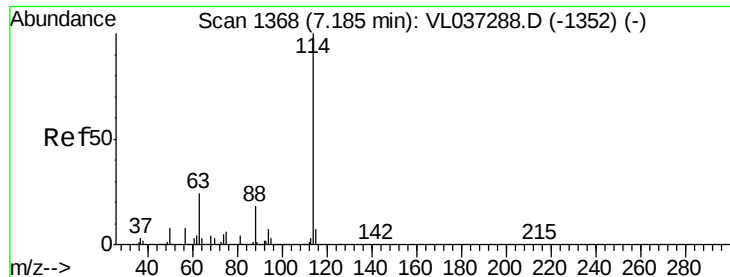
1,1,1-Trichloroethane
Concen: 13.724 ppbv
RT: 6.51 min Scan# 1158
Delta R.T. -0.01 min
Lab File: VL037294.D
Acq: 30 Jul 2021 21:13

Tgt Ion: 97 Resp: 3446168
Ion Ratio Lower Upper
97 100
99 65.3 52.5 78.7
61 47.7 38.2 57.4



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

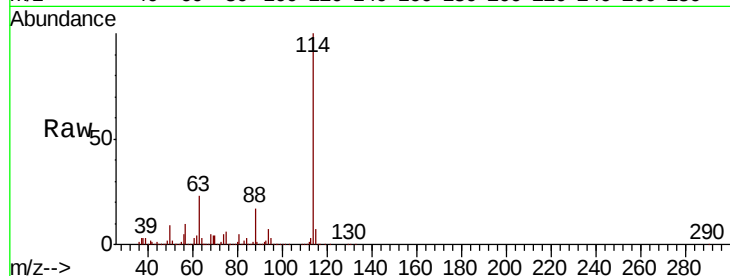




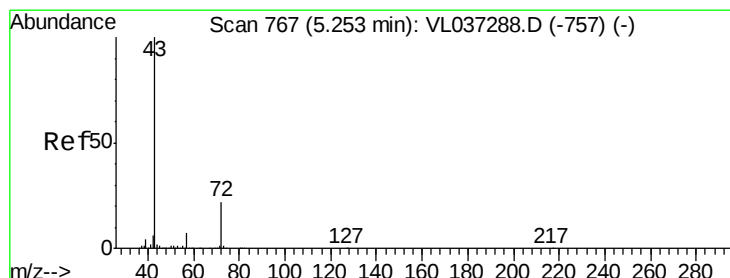
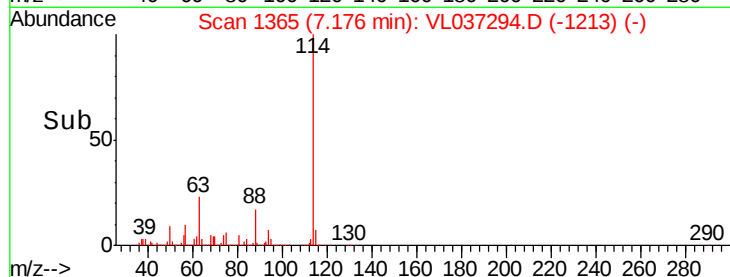
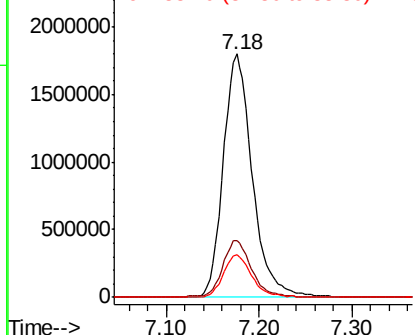
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T. -0.01 min
 Lab File: VL037294.D
 Acq: 30 Jul 2021 21:13

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:114 Resp: 3910910
 Ion Ratio Lower Upper
 114 100
 63 23.7 19.0 28.4
 88 17.2 14.0 21.0

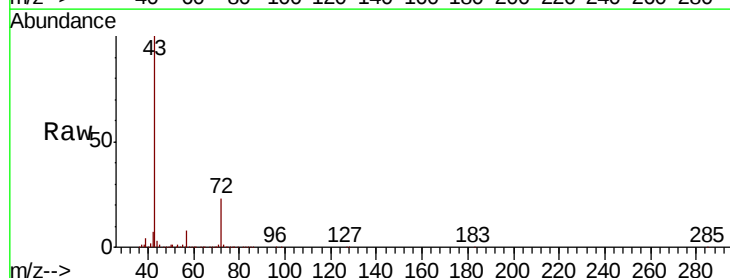


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

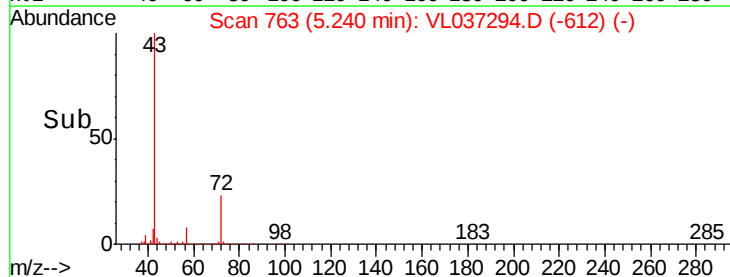
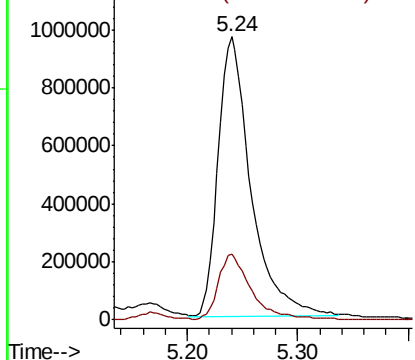


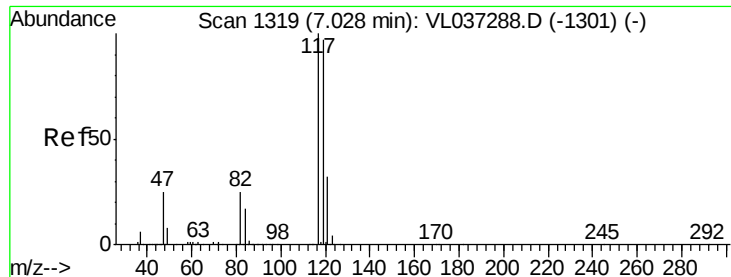
#34
 2-Butanone
 Concen: 13.074 ppbv
 RT: 5.24 min Scan# 763
 Delta R.T. -0.01 min
 Lab File: VL037294.D
 Acq: 30 Jul 2021 21:13

Tgt Ion: 43 Resp: 1987239
 Ion Ratio Lower Upper
 43 100
 72 23.8 18.5 27.7



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

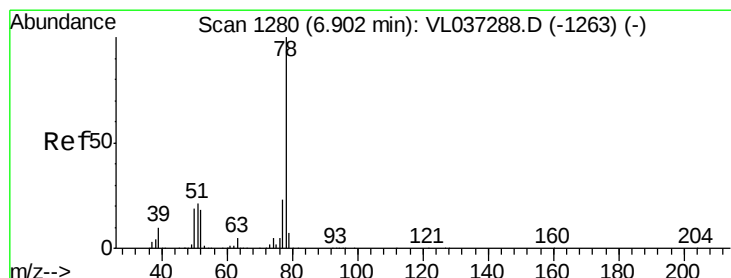
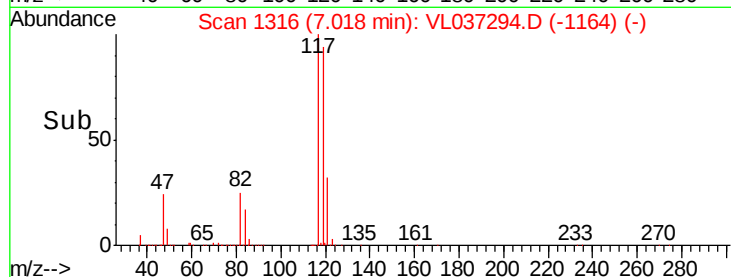
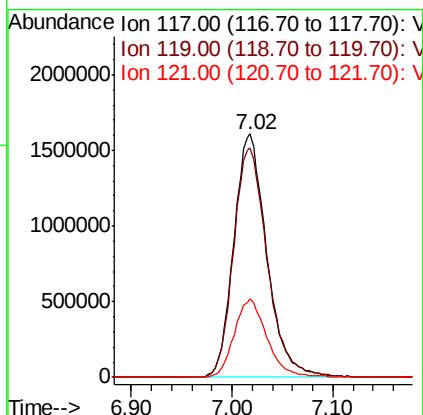
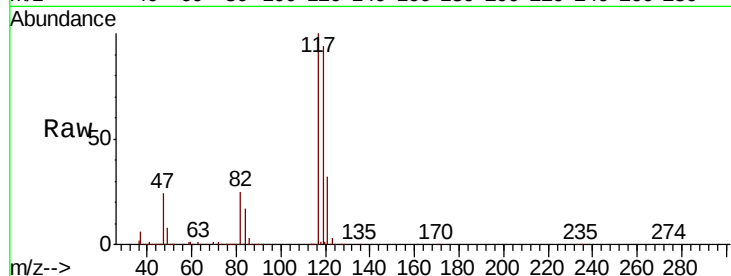




#35
Carbon Tetrachloride
Concen: 14.086 ppbv
RT: 7.02 min Scan# 1316
Delta R.T. -0.01 min
Lab File: VL037294.D
Acq: 30 Jul 2021 21:13

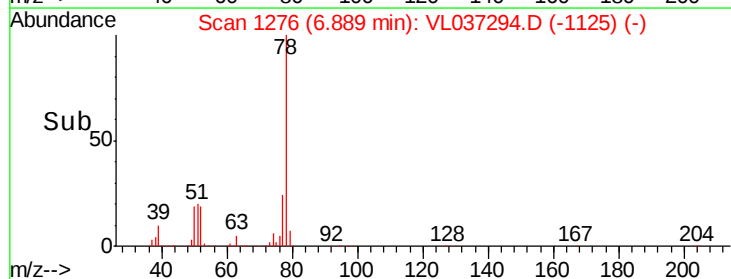
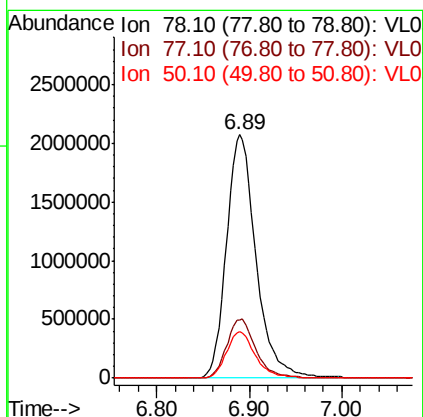
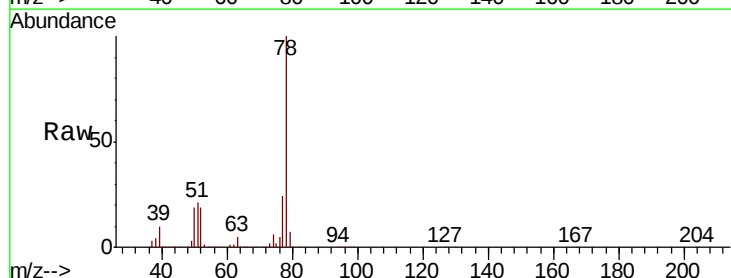
Instrument :
MSVOA_L
ClientSampleId :

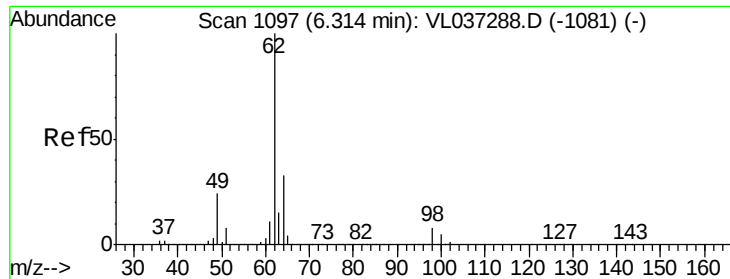
Tot Ion:117 Resp: 3661286
Ion Ratio Lower Upper
117 100
119 94.5 77.4 116.2
121 32.1 25.8 38.8



#36
Benzene
Concen: 14.443 ppbv
RT: 6.89 min Scan# 1276
Delta R.T. -0.01 min
Lab File: VL037294.D
Acq: 30 Jul 2021 21:13

Tgt Ion: 78 Resp: 4582427
Ion Ratio Lower Upper
78 100
77 23.9 18.3 27.5
50 18.9 15.5 23.3

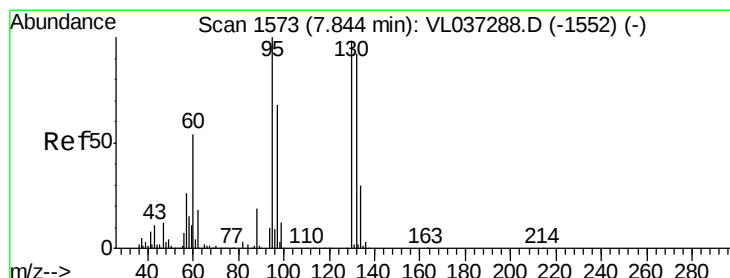
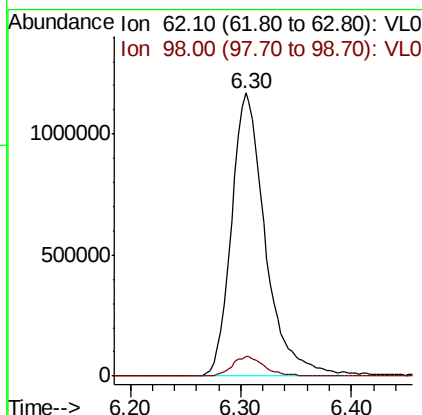
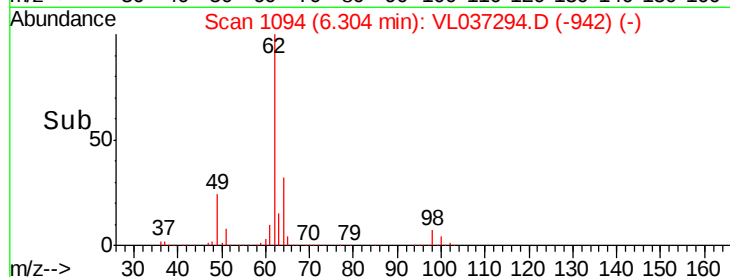
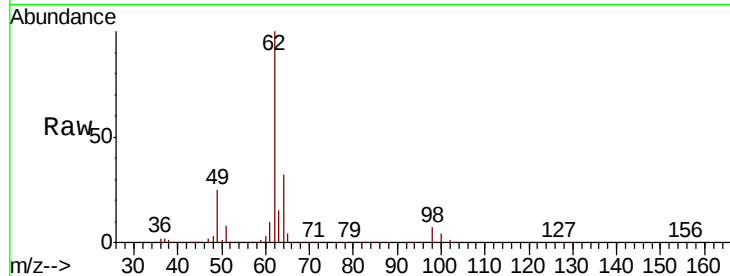




#37
 1,2-Dichloroethane
 Concen: 13.668 ppbv
 RT: 6.30 min Scan# 1094
 Delta R.T. -0.01 min
 Lab File: VL037294.D
 Acq: 30 Jul 2021 21:13

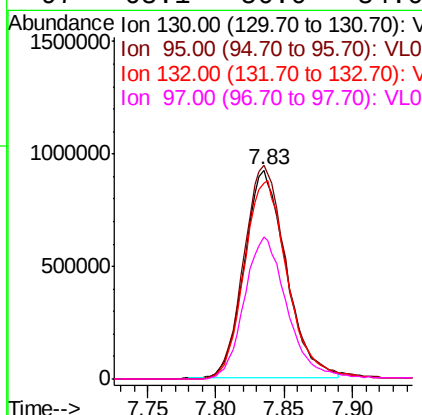
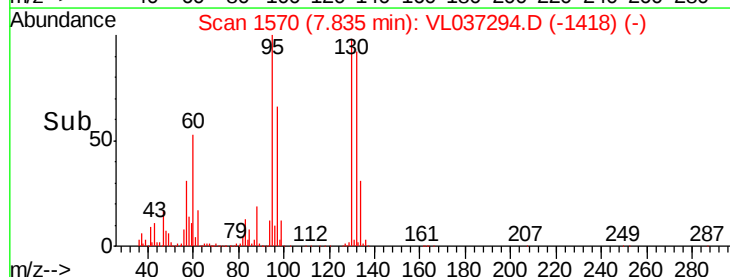
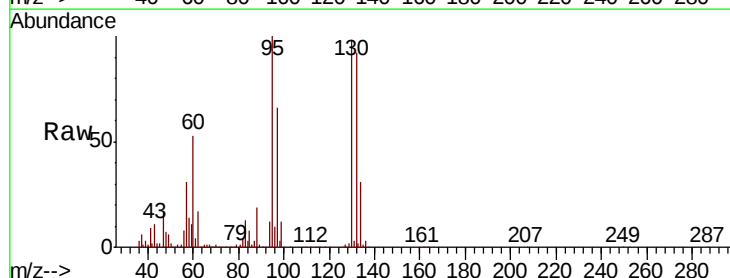
Instrument :
 MSVOA_L
 ClientSampleId :

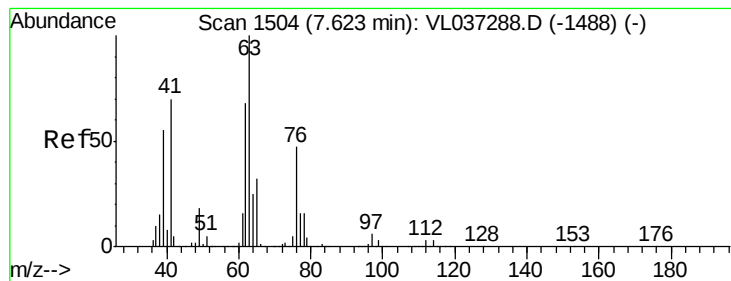
Tot Ion: 62 Resp: 2484193
 Ion Ratio Lower Upper
 62 100
 98 6.9 5.8 8.6



#38
 Trichloroethene
 Concen: 12.998 ppbv
 RT: 7.83 min Scan# 1570
 Delta R.T. -0.01 min
 Lab File: VL037294.D
 Acq: 30 Jul 2021 21:13

Tgt Ion:130 Resp: 1968897
 Ion Ratio Lower Upper
 130 100
 95 102.5 82.0 123.0
 132 93.8 75.0 112.6
 97 68.1 56.0 84.0





#39

1,2-Dichloropropane

Concen: 14.805 ppbv

RT: 7.61 min Scan# 1501

Delta R.T. -0.01 min

Lab File: VL037294.D

Acq: 30 Jul 2021 21:13

Instrument :

MSVOA_L

ClientSampleId :

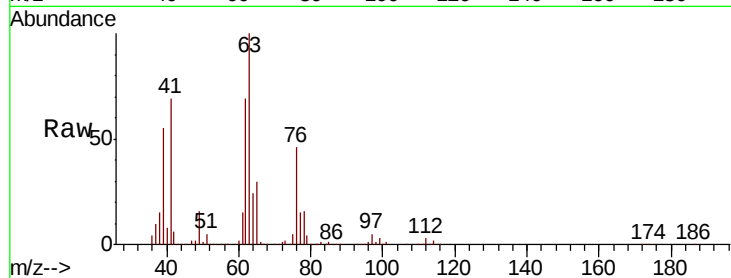
Tot Ion: 63 Resp: 1738289

Ion Ratio Lower Upper

63 100

41 68.5 56.4 84.6

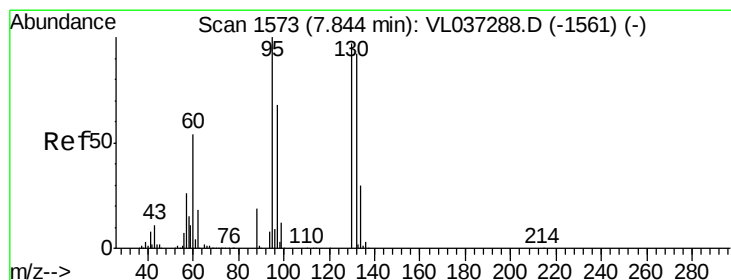
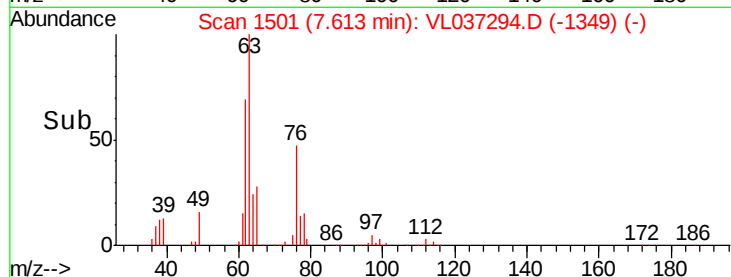
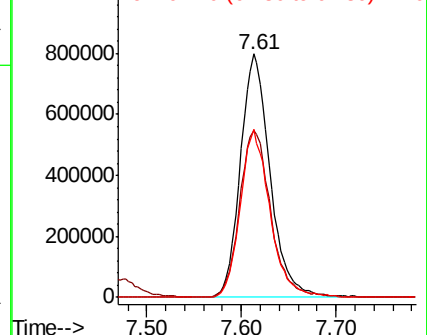
62 68.8 54.6 82.0



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: 14.376 ppbv

RT: 7.83 min Scan# 1570

Delta R.T. -0.01 min

Lab File: VL037294.D

Acq: 30 Jul 2021 21:13

Tgt Ion: 88 Resp: 459797

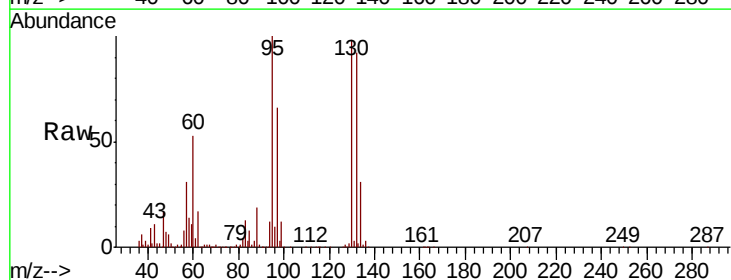
Ion Ratio Lower Upper

88 100

58 146.9 119.2 178.8

43 357.2 282.2 423.2

57 1595.5 1288.7 1933.1

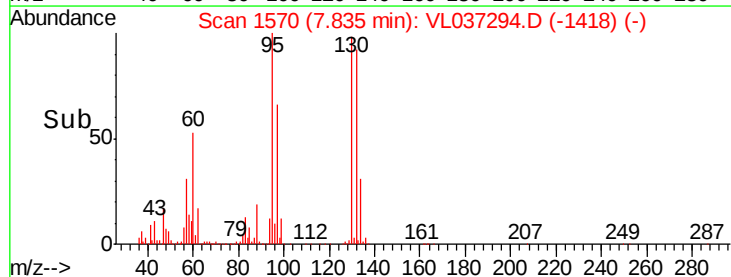
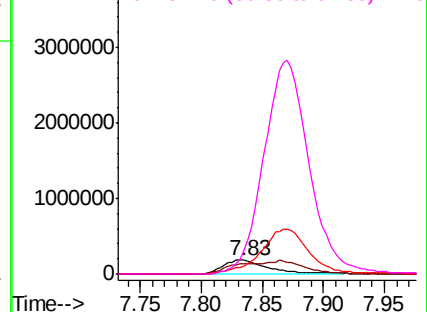


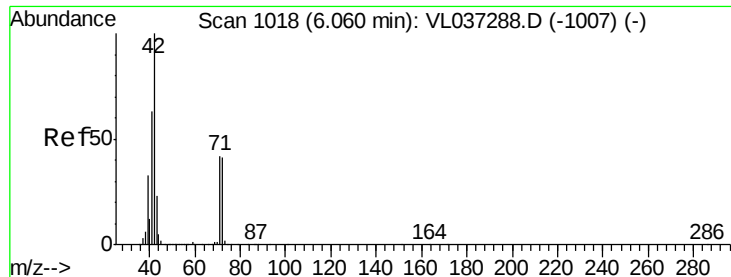
Abundance Ion 88.10 (87.80 to 88.80): VL0

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

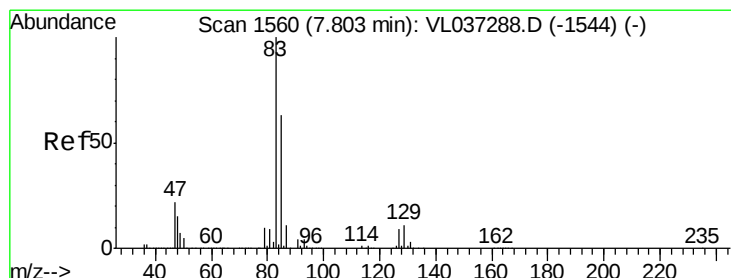
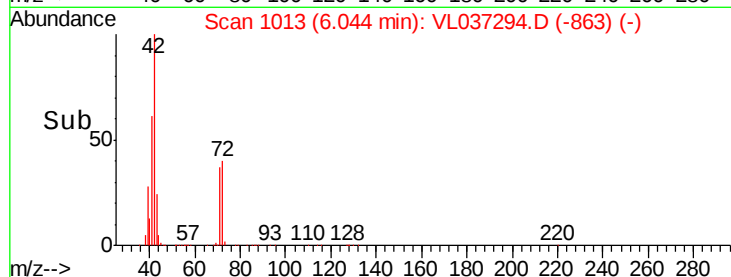
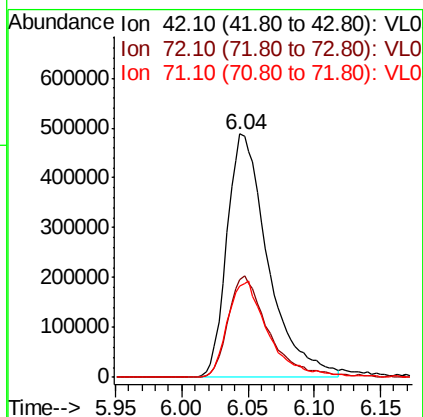
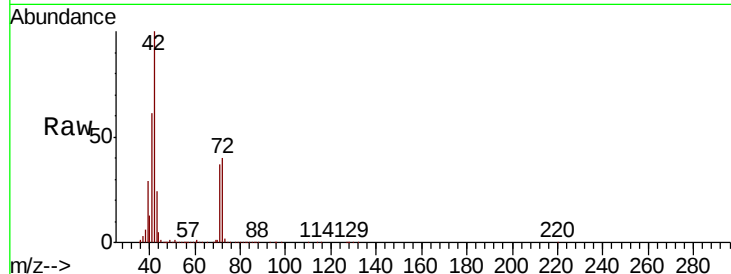




#41
Tetrahydrofuran
Concen: 14.860 ppbv
RT: 6.04 min Scan# 1013
Delta R.T. -0.02 min
Lab File: VL037294.D
Acq: 30 Jul 2021 21:13

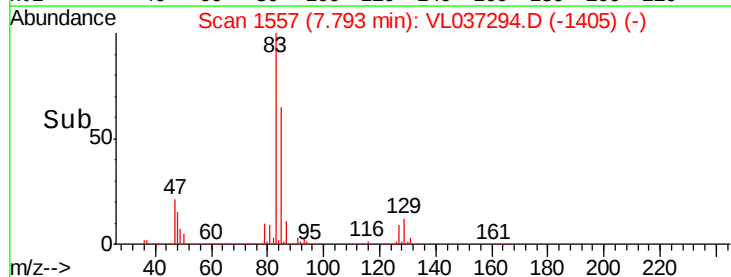
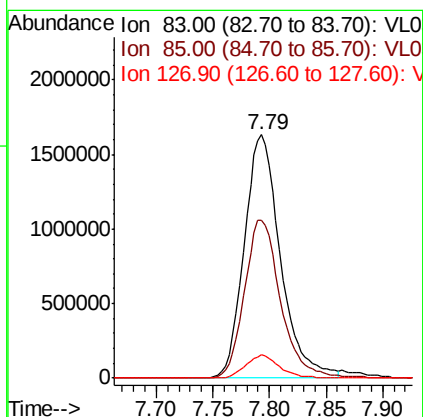
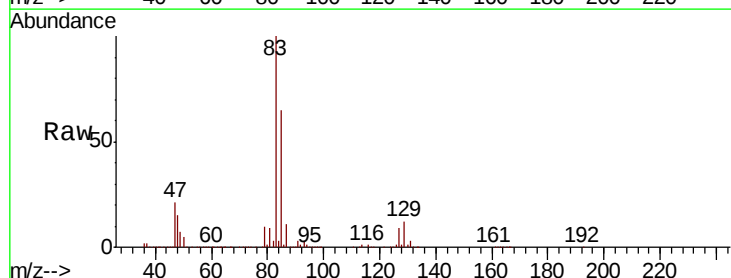
Instrument :
MSVOA_L
ClientSampleId :

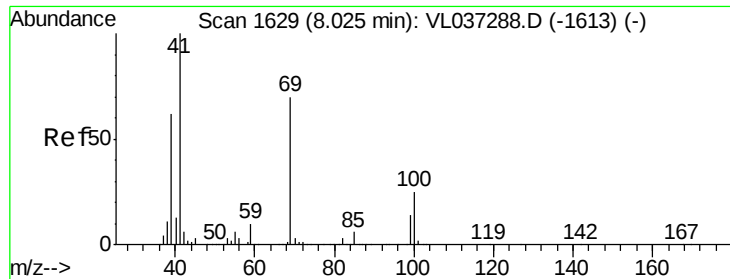
Tot Ion: 42 Resp: 1049913
Ion Ratio Lower Upper
42 100
72 41.5 33.0 49.6
71 39.7 32.7 49.1



#42
Bromodichloromethane
Concen: 14.471 ppbv
RT: 7.79 min Scan# 1557
Delta R.T. -0.01 min
Lab File: VL037294.D
Acq: 30 Jul 2021 21:13

Tgt Ion: 83 Resp: 3631287
Ion Ratio Lower Upper
83 100
85 64.8 50.5 75.7
127 9.4 7.0 10.6

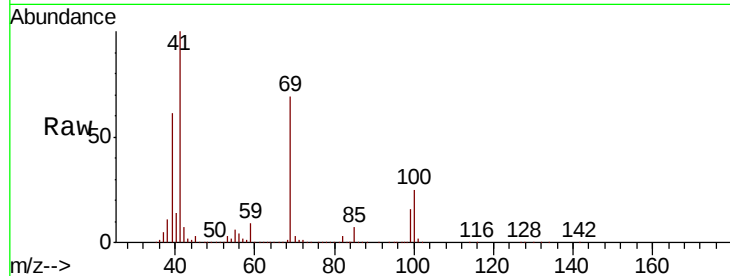




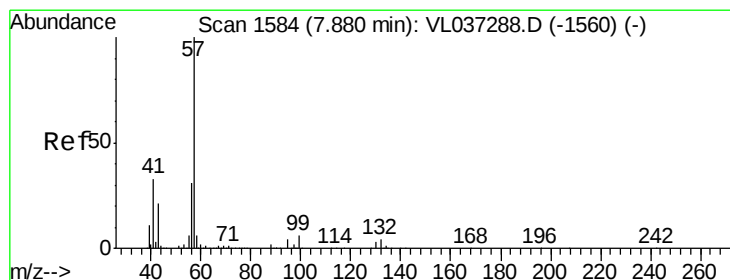
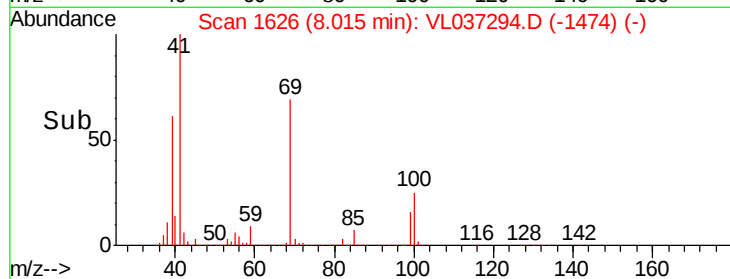
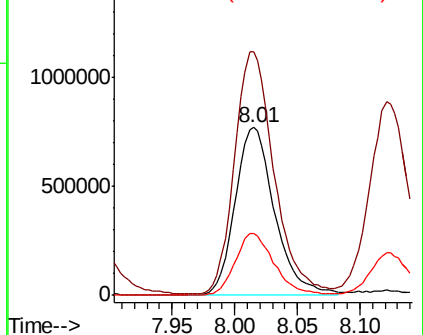
#43
Methyl Methacrylate
Concen: 15.525 ppbv
RT: 8.01 min Scan# 1626
Delta R.T. -0.01 min
Lab File: VL037294.D
Acq: 30 Jul 2021 21:13

Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 69 Resp: 1693020
Ion Ratio Lower Upper
69 100
41 145.8 116.5 174.7
100 36.3 28.7 43.1

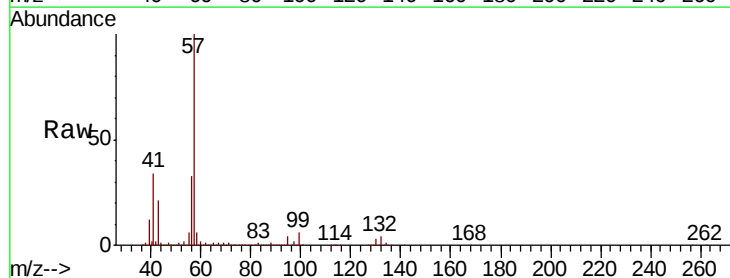


Abundance Ion 69.10 (68.80 to 69.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 100.10 (99.80 to 100.80): VL0

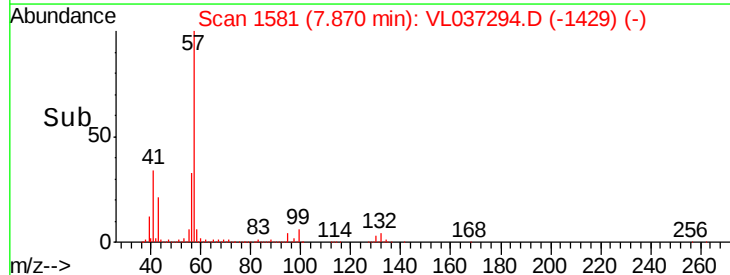
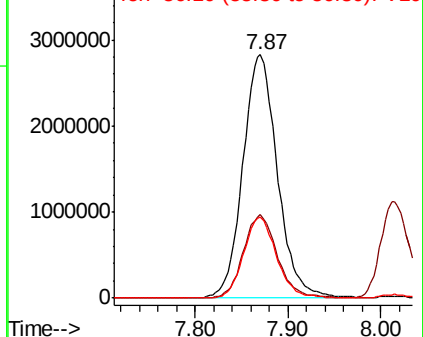


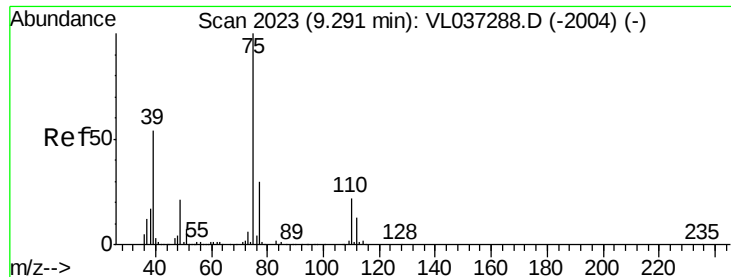
#44
2,2,4-Trimethylpentane
Concen: 13.708 ppbv
RT: 7.87 min Scan# 1581
Delta R.T. -0.01 min
Lab File: VL037294.D
Acq: 30 Jul 2021 21:13

Tgt Ion: 57 Resp: 7302854
Ion Ratio Lower Upper
57 100
41 33.6 26.6 40.0
56 31.8 25.3 37.9



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

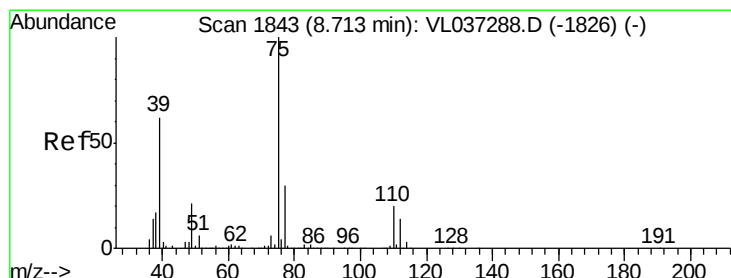
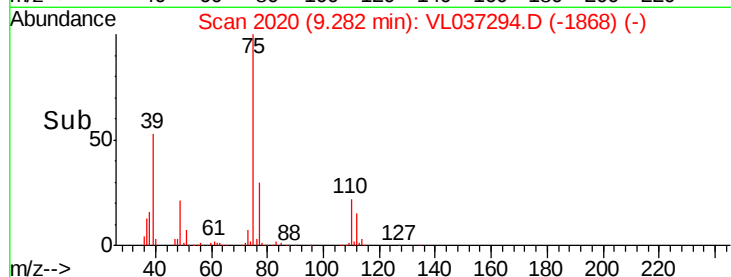
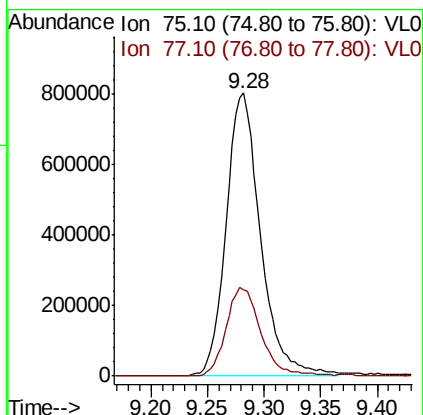
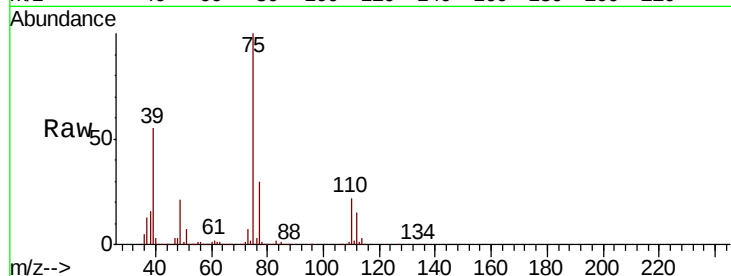




#45
t-1,3-Dichloropropene
Concen: 17.833 ppbv
RT: 9.28 min Scan# 2020
Delta R.T. -0.01 min
Lab File: VL037294.D
Acq: 30 Jul 2021 21:13

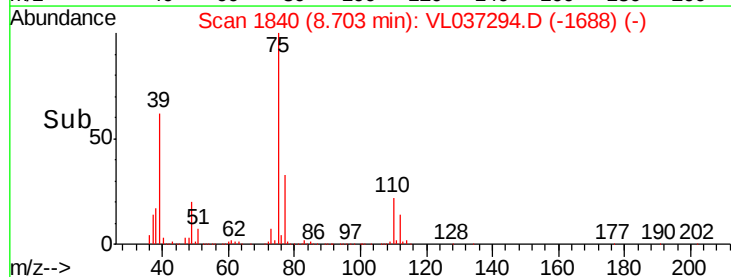
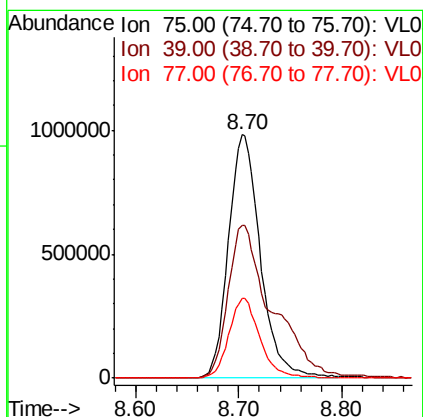
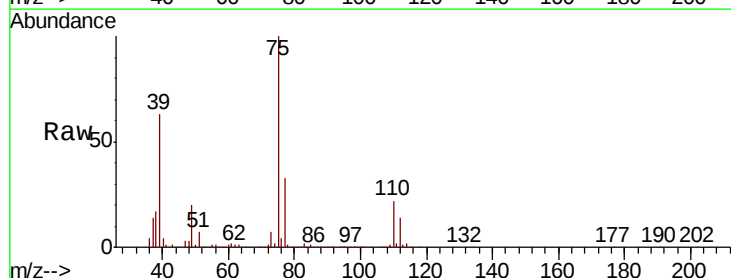
Instrument :
MSVOA_L
ClientSampled :

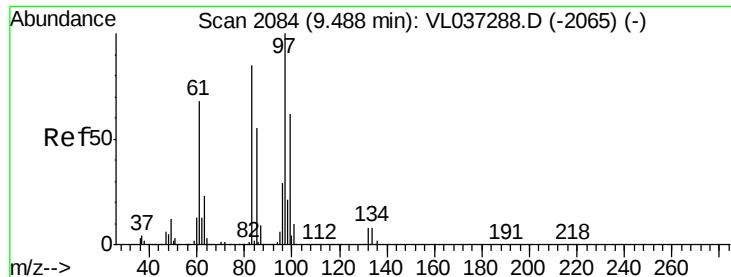
Tot Ion: 75 Resp: 1692955
Ion Ratio Lower Upper
75 100
77 30.4 24.3 36.5



#46
cis-1,3-Dichloropropene
Concen: 16.266 ppbv
RT: 8.70 min Scan# 1840
Delta R.T. -0.01 min
Lab File: VL037294.D
Acq: 30 Jul 2021 21:13

Tgt Ion: 75 Resp: 2119237
Ion Ratio Lower Upper
75 100
39 62.6 49.8 74.6
77 33.0 24.3 36.5



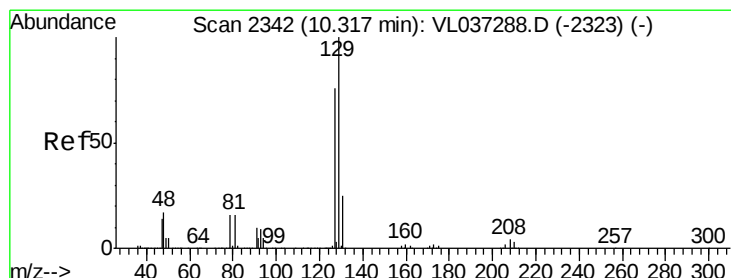
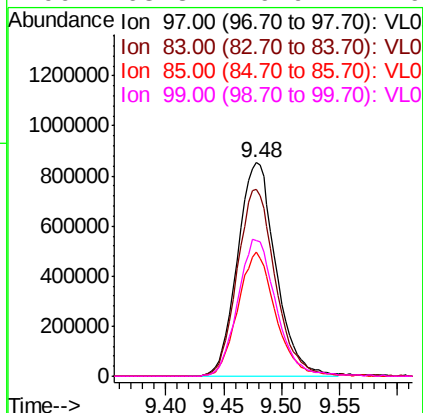
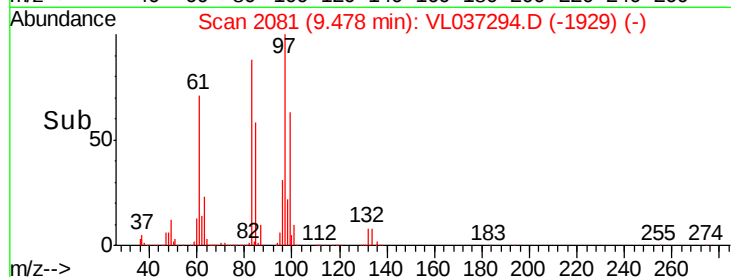
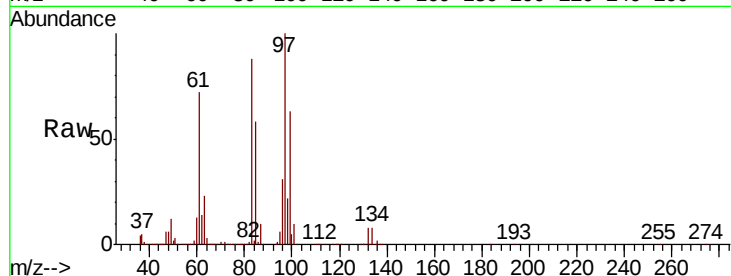


#47
 1,1,2-Trichloroethane
 Concen: 14.589 ppbv
 RT: 9.48 min Scan# 2081
 Delta R.T. -0.01 min
 Lab File: VL037294.D
 Acq: 30 Jul 2021 21:13

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 97 Resp: 1963923

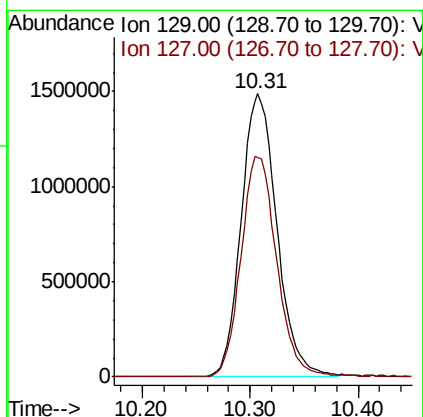
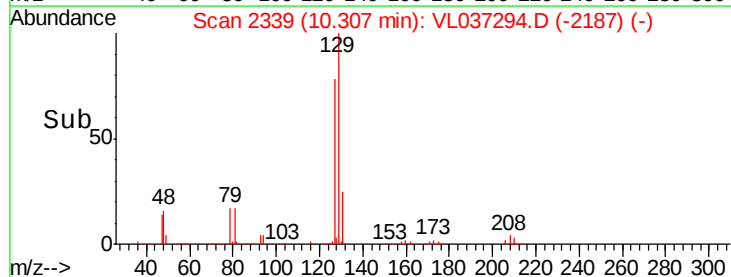
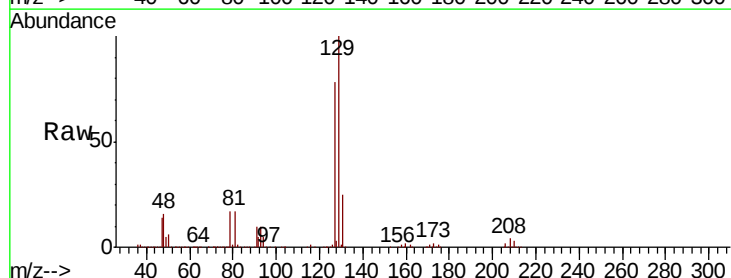
Ion	Ratio	Lower	Upper
97	100		
83	87.5	67.7	101.5
85	57.9	43.8	65.6
99	63.3	49.9	74.9

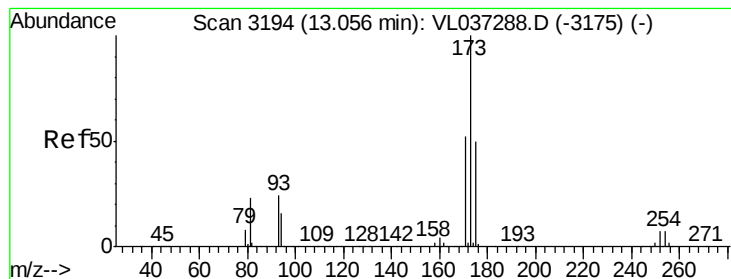


#48
 Dibromochloromethane
 Concen: 16.184 ppbv
 RT: 10.31 min Scan# 2339
 Delta R.T. -0.01 min
 Lab File: VL037294.D
 Acq: 30 Jul 2021 21:13

Tgt Ion: 129 Resp: 3423317

Ion	Ratio	Lower	Upper
129	100		
127	78.7	39.5	118.3





#49

Bromoform

Concen: 18.472 ppbv

RT: 13.05 min Scan# 3191

Delta R.T. -0.01 min

Lab File: VL037294.D

Acq: 30 Jul 2021 21:13

Instrument :

MSVOA_L

ClientSampleId :

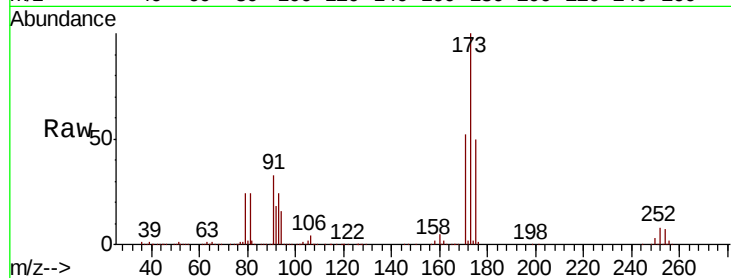
Tot Ion:173 Resp: 2950223

Ion Ratio Lower Upper

173 100

175 50.7 40.4 60.6

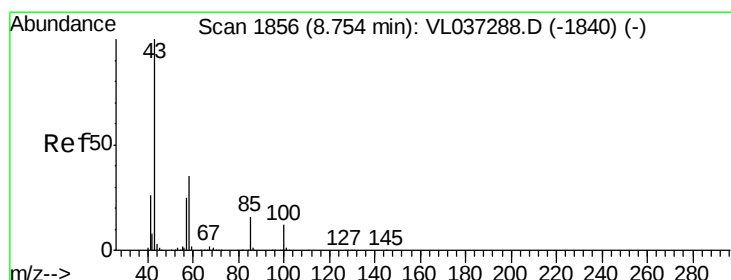
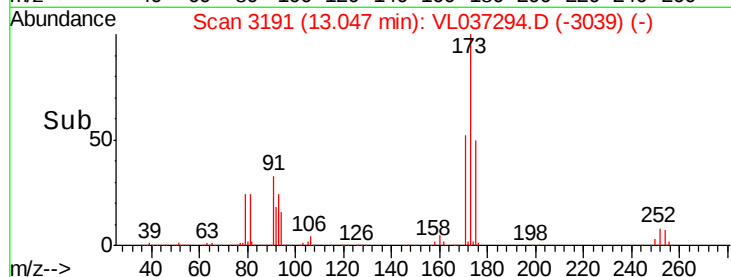
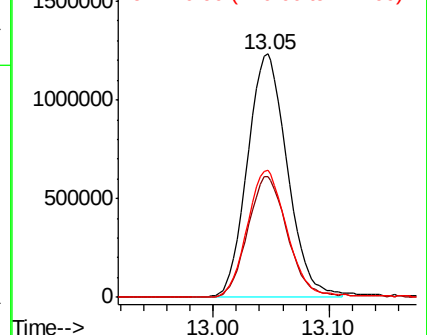
171 52.9 43.3 64.9



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: 14.825 ppbv

RT: 8.74 min Scan# 1852

Delta R.T. -0.01 min

Lab File: VL037294.D

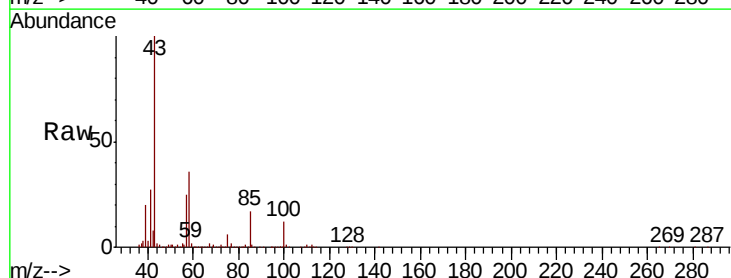
Acq: 30 Jul 2021 21:13

Tgt Ion: 43 Resp: 3067675

Ion Ratio Lower Upper

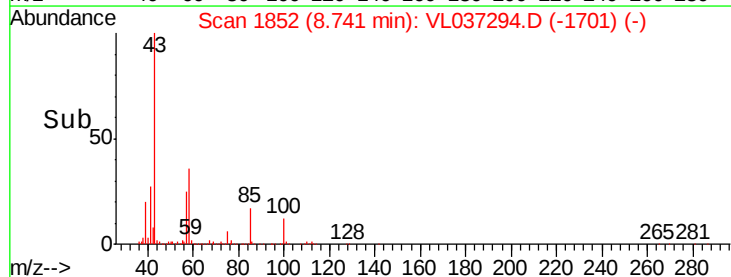
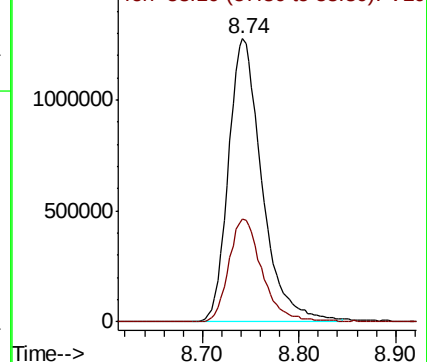
43 100

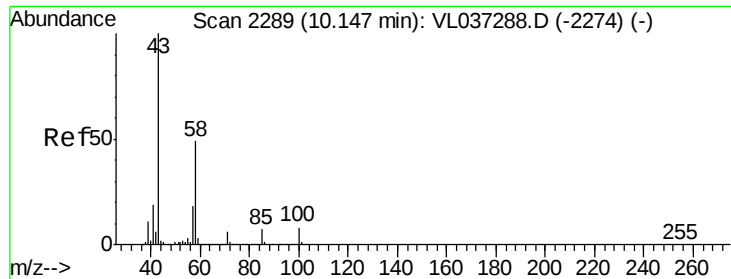
58 36.6 29.2 43.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 15.322 ppbv

RT: 10.14 min Scan# 2286

Delta R.T. -0.01 min

Lab File: VL037294.D

Acq: 30 Jul 2021 21:13

Instrument :

MSVOA_L

ClientSampleId :

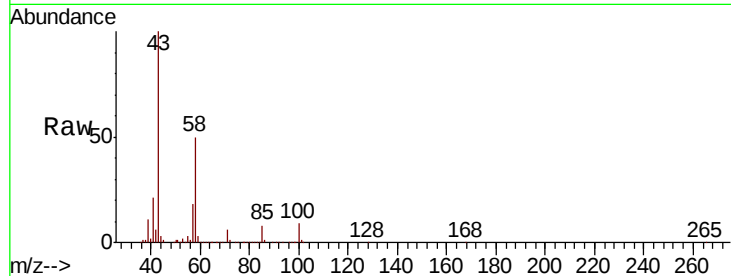
Tot Ion: 43 Resp: 1541159

Ion Ratio Lower Upper

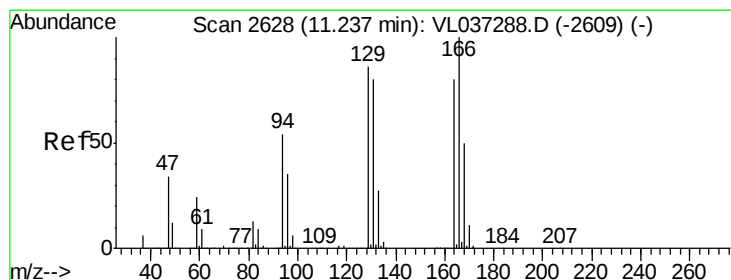
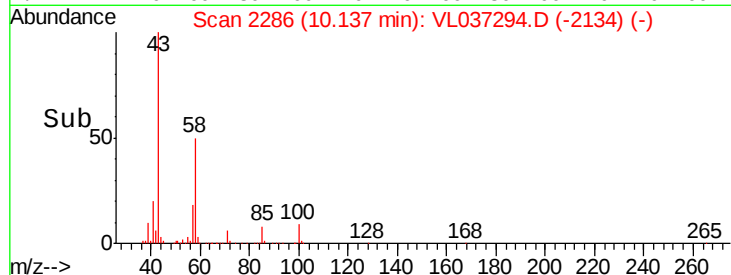
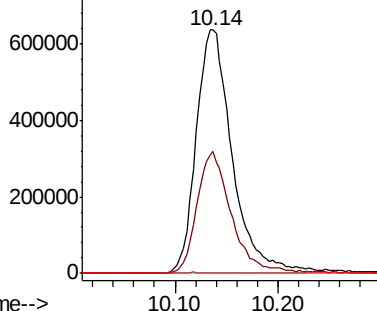
43 100

58 48.3 39.0 58.4

98 0.6 0.4 0.6



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: 13.226 ppbv

RT: 11.23 min Scan# 2625

Delta R.T. -0.01 min

Lab File: VL037294.D

Acq: 30 Jul 2021 21:13

Tgt Ion:164 Resp: 1953220

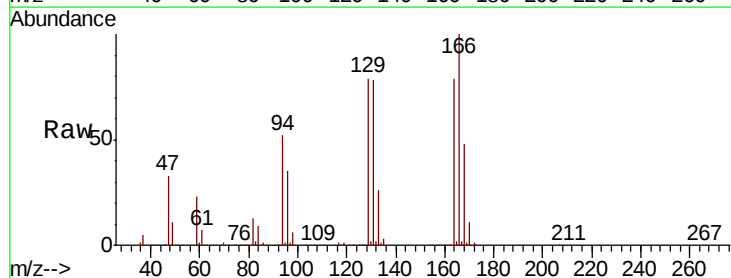
Ion Ratio Lower Upper

164 100

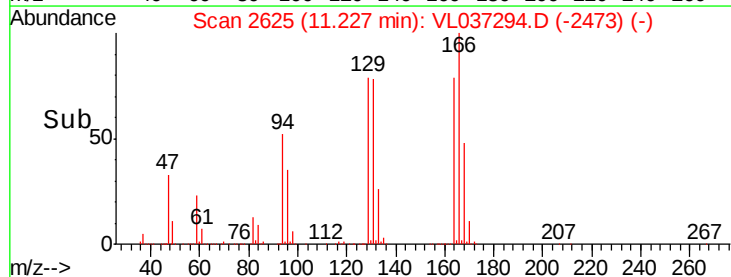
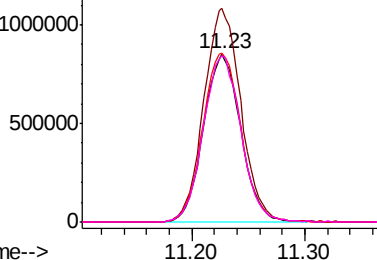
166 127.3 100.4 150.6

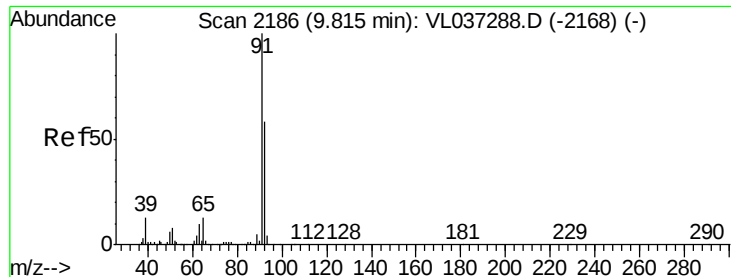
129 101.0 86.2 129.4

131 99.1 80.5 120.7



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: 14.565 ppbv

RT: 9.81 min Scan# 2184

Delta R.T. -0.01 min

Lab File: VL037294.D

Acq: 30 Jul 2021 21:13

Instrument :

MSVOA_L

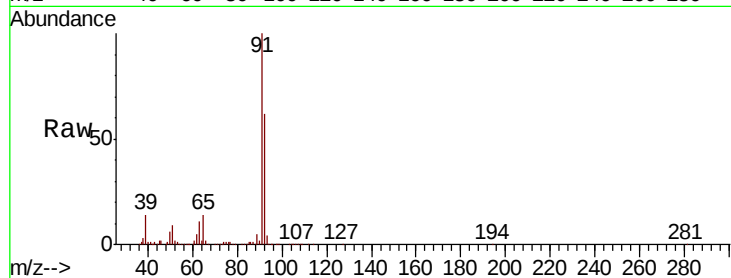
ClientSampled :

Tot Ion: 91 Resp: 5533804

Ion Ratio Lower Upper

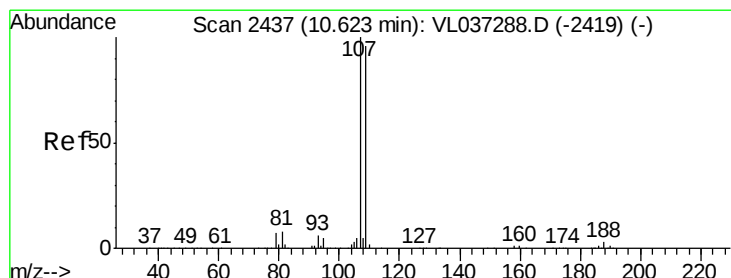
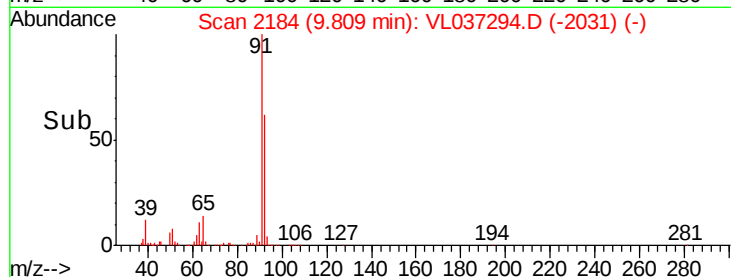
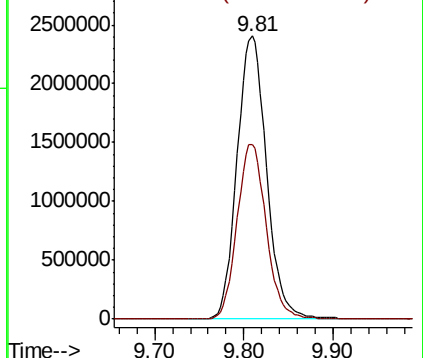
91 100

92 61.2 48.2 72.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 15.292 ppbv

RT: 10.62 min Scan# 2435

Delta R.T. -0.01 min

Lab File: VL037294.D

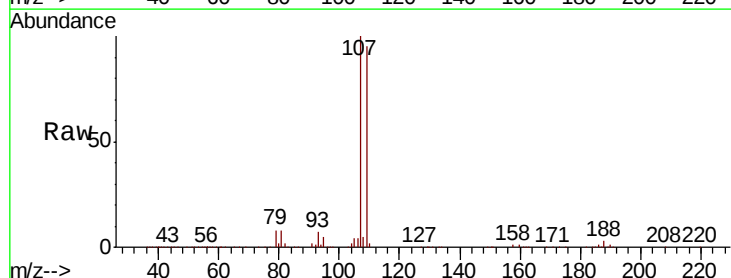
Acq: 30 Jul 2021 21:13

Tgt Ion:107 Resp: 2953036

Ion Ratio Lower Upper

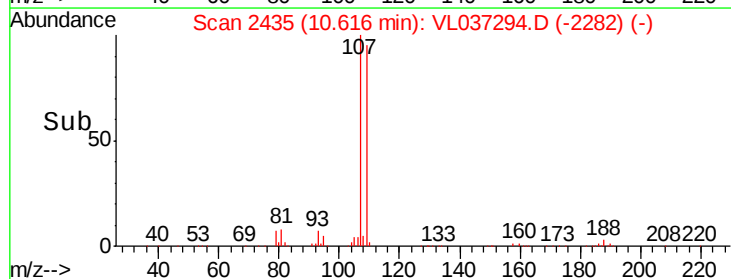
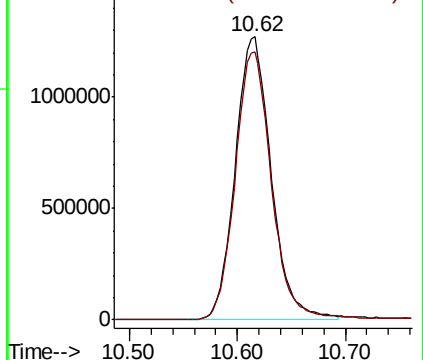
107 100

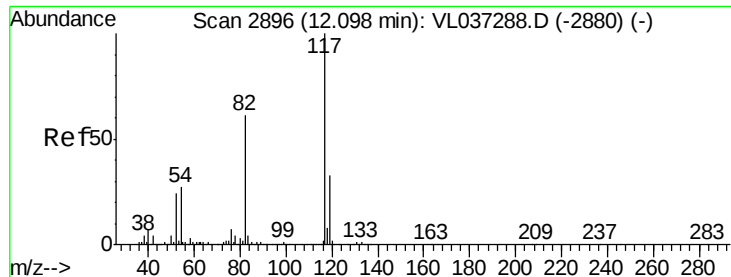
109 94.5 77.0 115.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

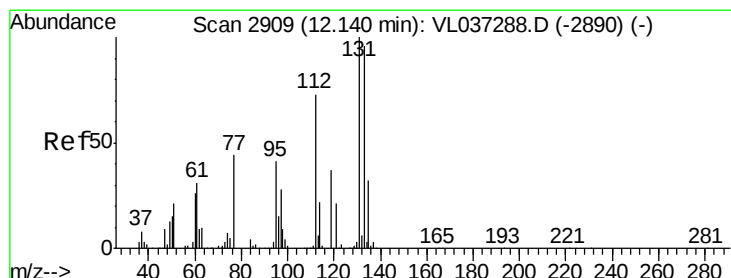
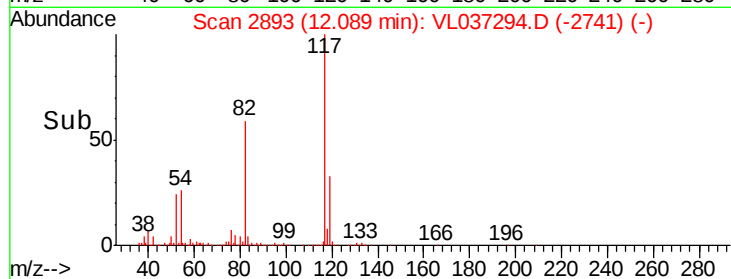
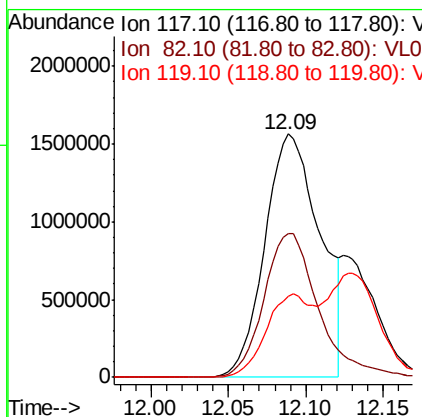
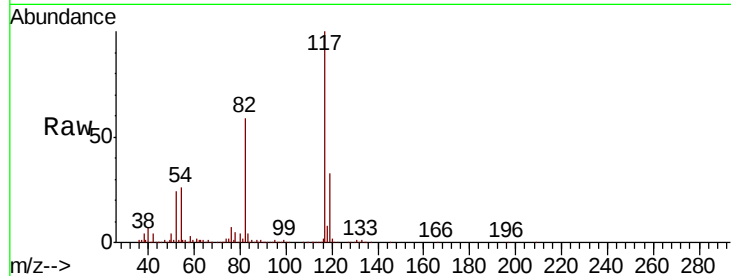




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2893
Delta R.T. -0.01 min
Lab File: VL037294.D
Acq: 30 Jul 2021 21:13

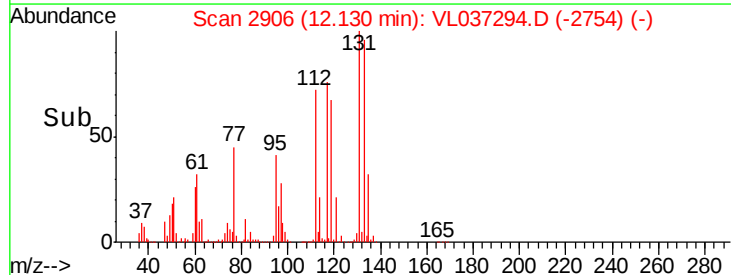
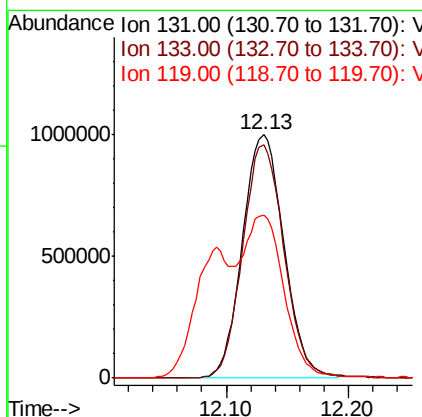
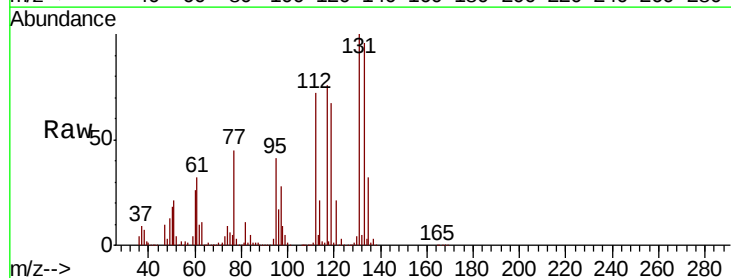
Instrument :
MSVOA_L
ClientSampleId :

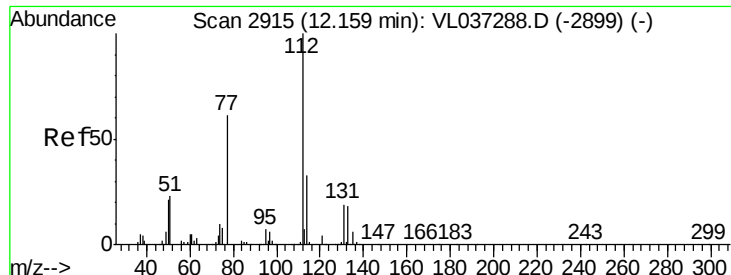
Tot Ion:117 Resp: 3882807
Ion Ratio Lower Upper
117 100
82 58.9 47.2 70.8
119 0.0 45.8 68.8#



#56
1,1,1,2-Tetrachloroethane
Concen: 13.908 ppbv
RT: 12.13 min Scan# 2906
Delta R.T. -0.01 min
Lab File: VL037294.D
Acq: 30 Jul 2021 21:13

Tgt Ion:131 Resp: 2347465
Ion Ratio Lower Upper
131 100
133 96.2 77.4 116.2
119 115.1 51.0 76.4#





#57

Chlorobenzene

Concen: 13.707 ppbv

RT: 12.15 min Scan# 2913

Delta R.T. -0.01 min

Lab File: VL037294.D

Acq: 30 Jul 2021 21:13

Instrument :

MSVOA_L

ClientSampleId :

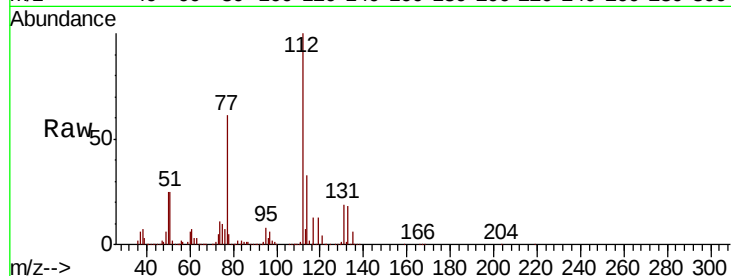
Tot Ion:112 Resp: 4317488

Ion Ratio Lower Upper

112 100

77 60.9 49.0 73.6

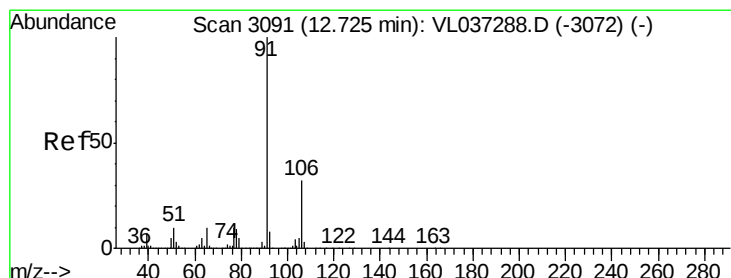
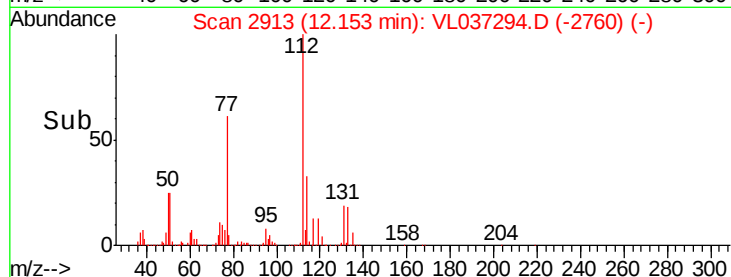
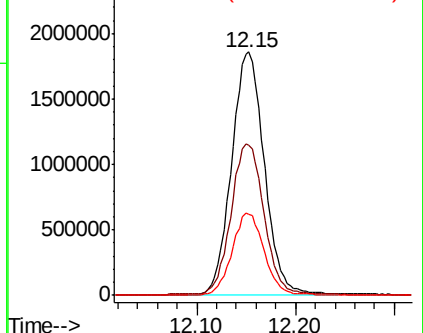
114 33.3 29.3 35.9



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: 13.583 ppbv

RT: 12.72 min Scan# 3088

Delta R.T. -0.01 min

Lab File: VL037294.D

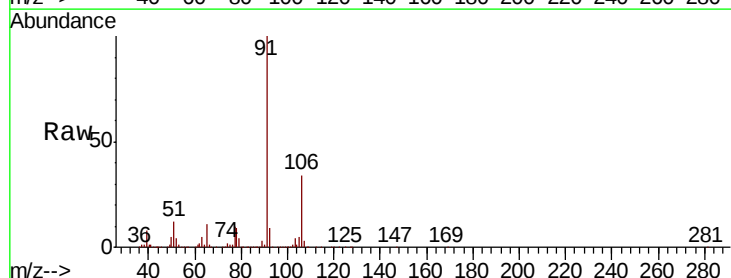
Acq: 30 Jul 2021 21:13

Tgt Ion: 91 Resp: 7230489

Ion Ratio Lower Upper

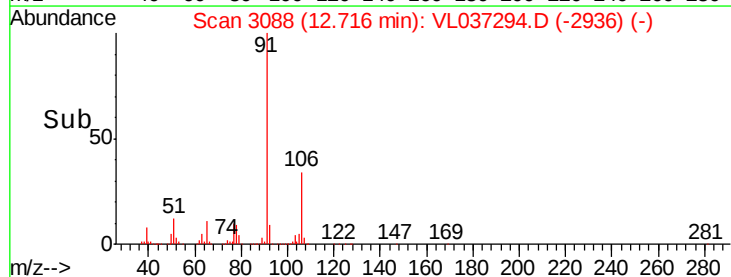
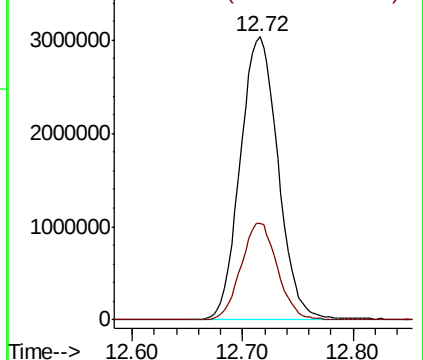
91 100

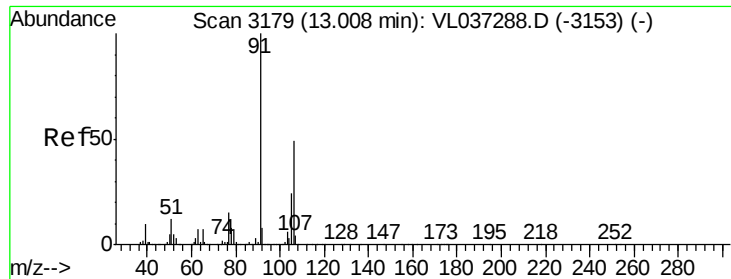
106 34.1 25.4 38.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 13.408 ppbv

RT: 13.00 min Scan# 3177

Delta R.T. -0.01 min

Lab File: VL037294.D

Acq: 30 Jul 2021 21:13

Instrument :

MSVOA_L

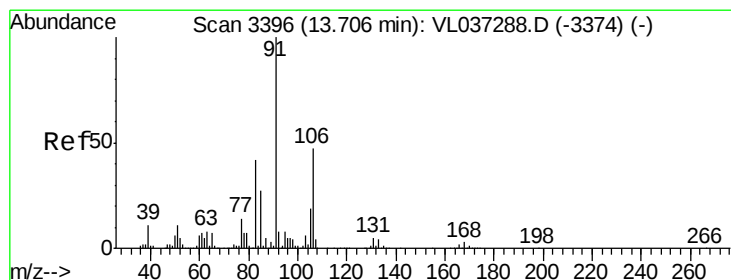
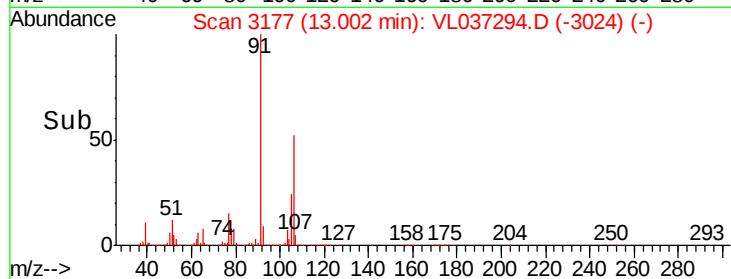
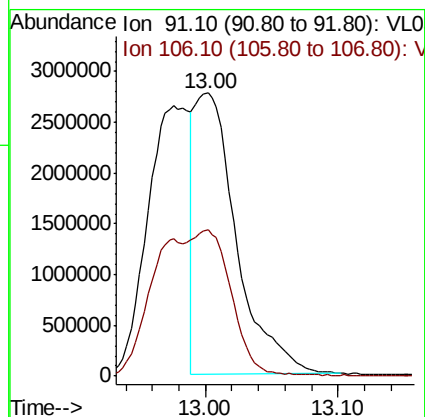
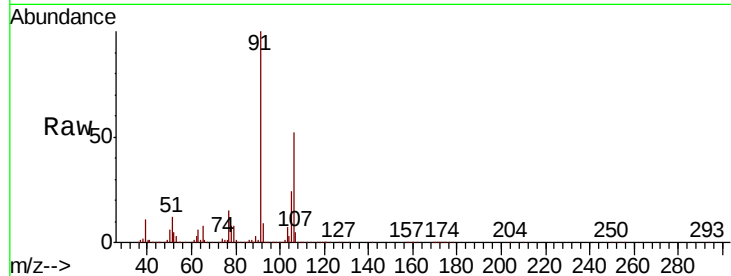
ClientSampleId :

Tot Ion: 91 Resp: 6048819

Ion Ratio Lower Upper

91 100

106 95.0 37.3 55.9#



#60

o-Xylene

Concen: 13.540 ppbv

RT: 13.70 min Scan# 3394

Delta R.T. -0.01 min

Lab File: VL037294.D

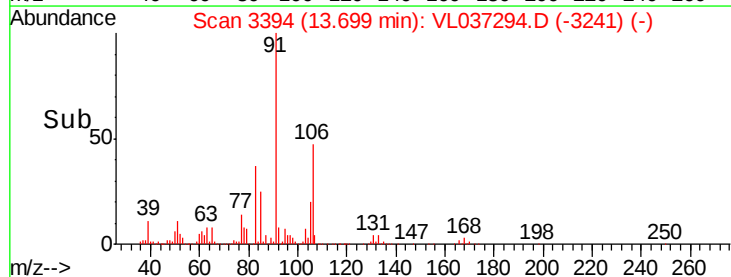
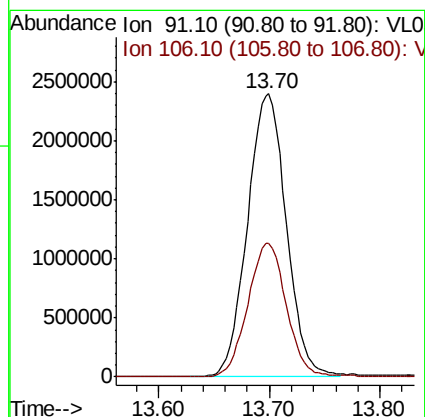
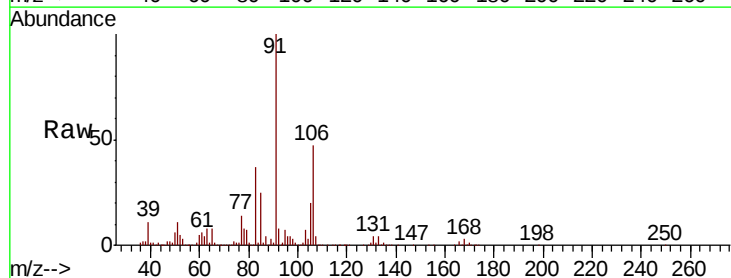
Acq: 30 Jul 2021 21:13

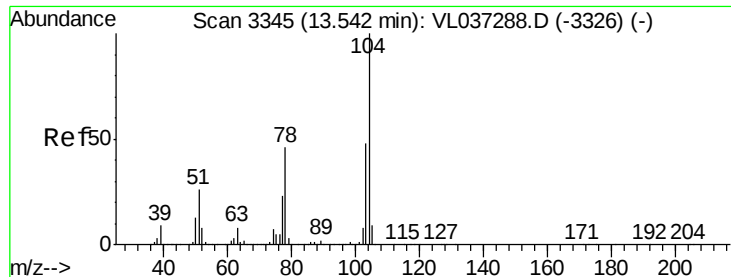
Tgt Ion: 91 Resp: 5824397

Ion Ratio Lower Upper

91 100

106 47.4 23.4 70.0

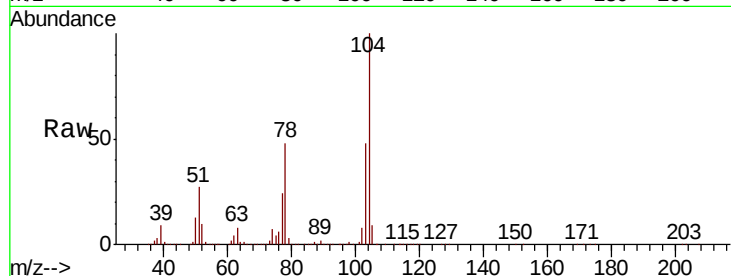




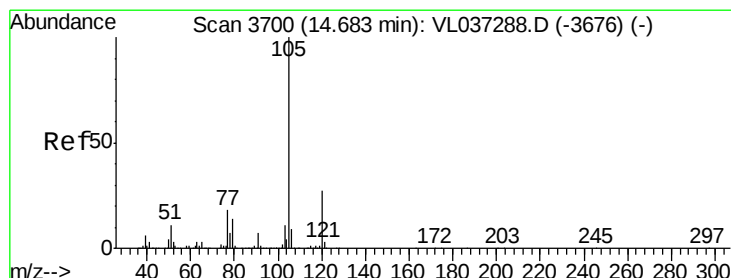
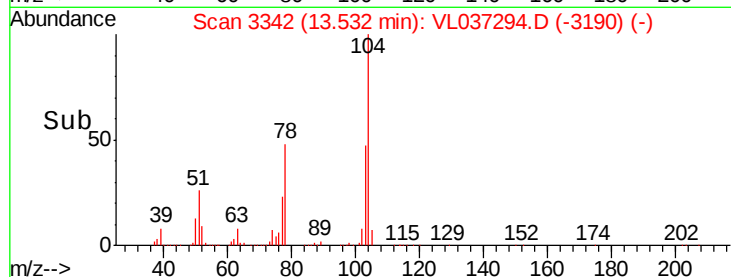
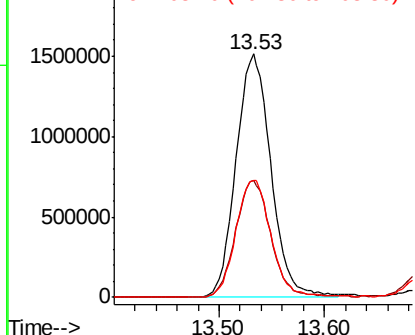
#61
Stvrene
Concen: 15.750 ppbv
RT: 13.53 min Scan# 3342
Delta R.T. -0.01 min
Lab File: VL037294.D
Acq: 30 Jul 2021 21:13

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:104 Resp: 3489536
Ion Ratio Lower Upper
104 100
78 48.8 39.0 58.6
103 48.6 38.6 58.0

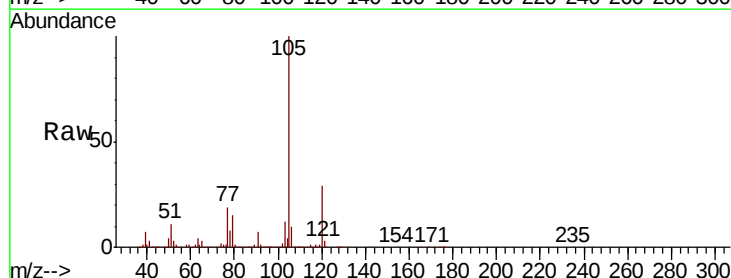


Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VL0
Ion 103.10 (102.80 to 103.80): V

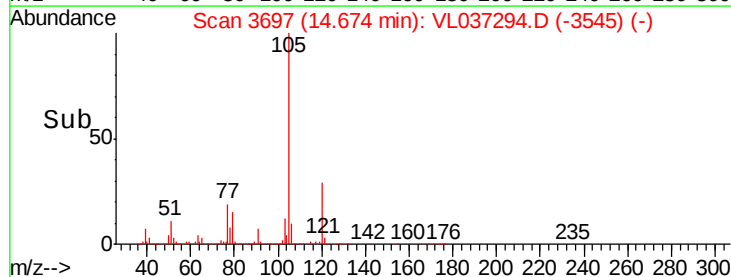
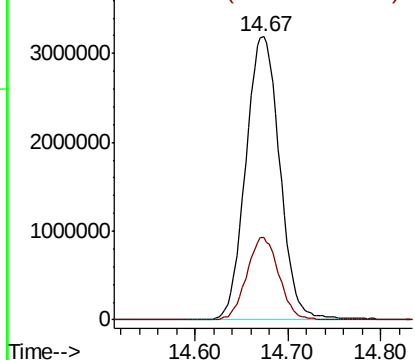


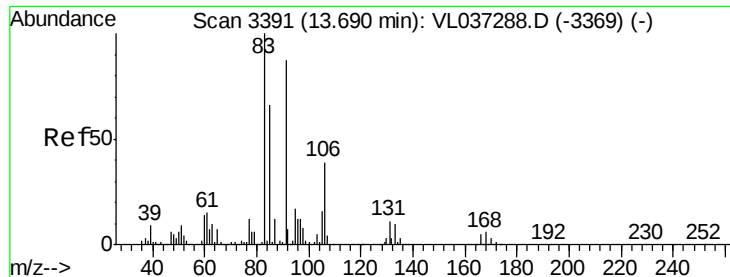
#62
Isopropylbenzene
Concen: 13.212 ppbv
RT: 14.67 min Scan# 3697
Delta R.T. -0.01 min
Lab File: VL037294.D
Acq: 30 Jul 2021 21:13

Tgt Ion:105 Resp: 8100058
Ion Ratio Lower Upper
105 100
120 27.9 21.8 32.6



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: 14.189 ppbv

RT: 13.68 min Scan# 3388

Delta R.T. -0.01 min

Lab File: VL037294.D

Acq: 30 Jul 2021 21:13

Instrument :

MSVOA_L

ClientSampleId :

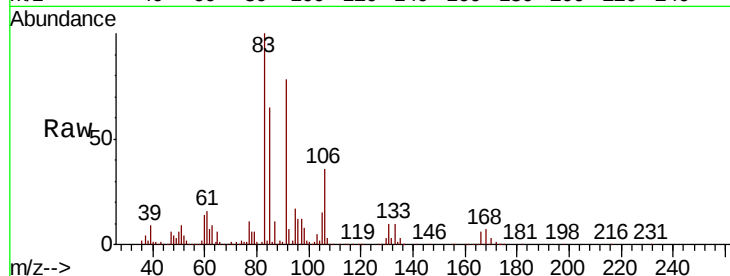
Tot Ion: 83 Resp: 4096353

Ion Ratio Lower Upper

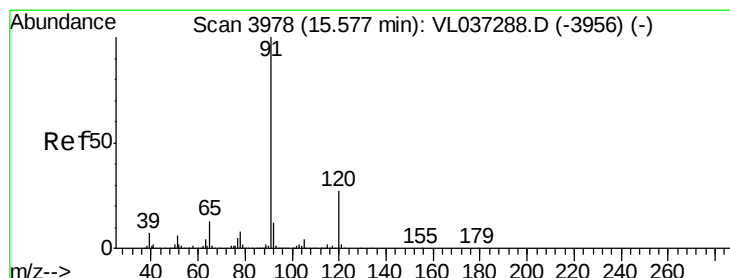
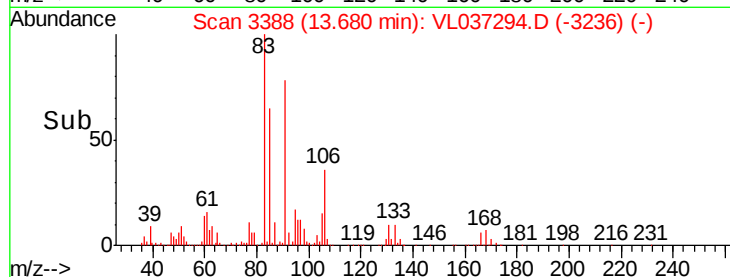
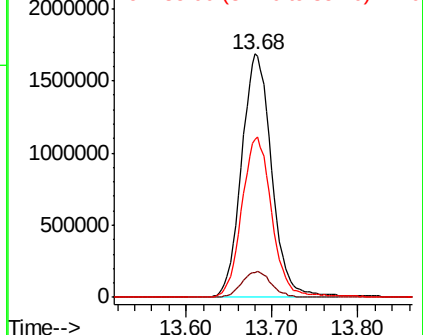
83 100

131 10.8 5.5 16.5

85 66.2 33.6 100.8



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: 14.785 ppbv

RT: 15.57 min Scan# 3975

Delta R.T. -0.01 min

Lab File: VL037294.D

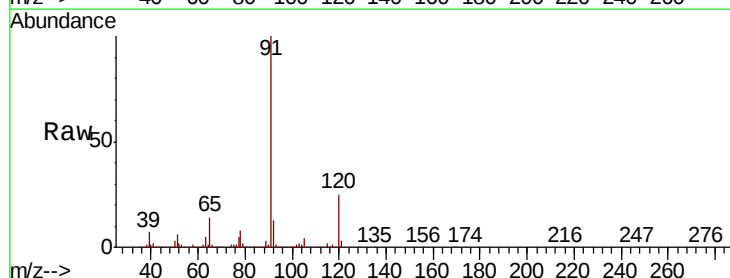
Acq: 30 Jul 2021 21:13

Tgt Ion:120 Resp: 2275546

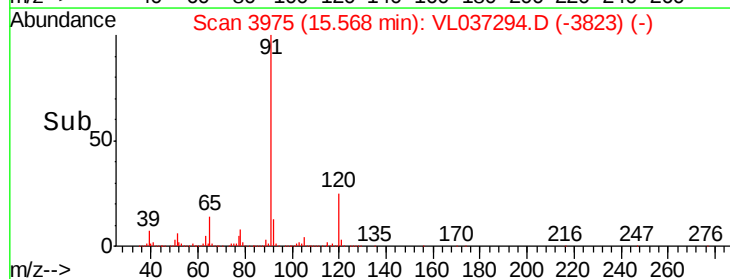
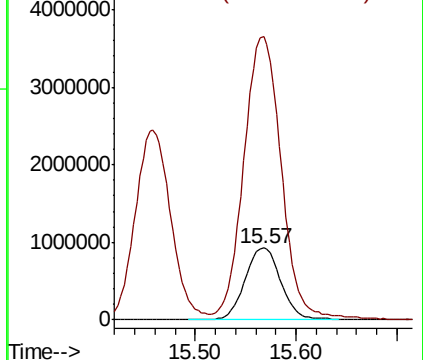
Ion Ratio Lower Upper

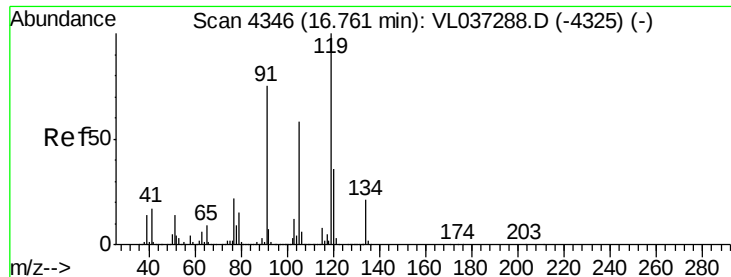
120 100

91 414.2 347.0 520.4



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





#65

tert-Butylbenzene

Concen: 13.553 ppbv

RT: 16.75 min Scan# 4344

Delta R.T. -0.01 min

Lab File: VL037294.D

Acq: 30 Jul 2021 21:13

Instrument :

MSVOA_L

ClientSampleId :

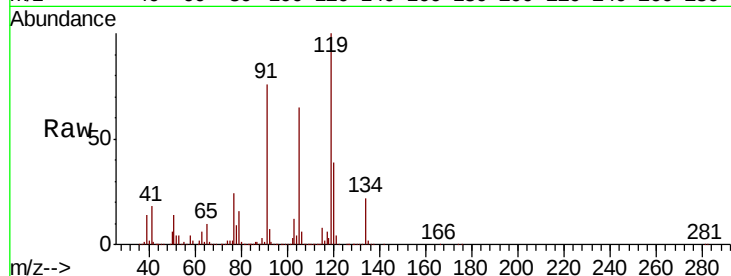
Tot Ion:119 Resp: 7418123

Ion Ratio Lower Upper

119 100

91 76.1 60.5 90.7

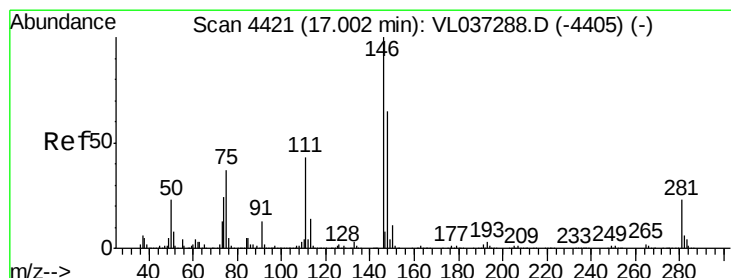
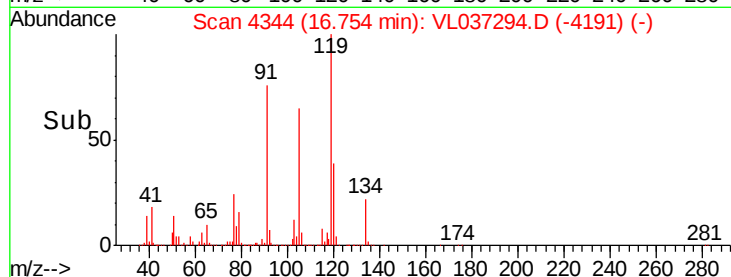
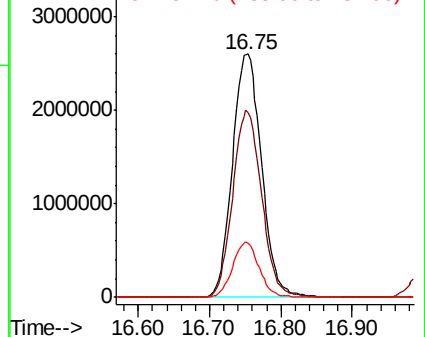
134 20.7 16.2 24.4



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: 20.785 ppbv

RT: 16.99 min Scan# 4418

Delta R.T. -0.01 min

Lab File: VL037294.D

Acq: 30 Jul 2021 21:13

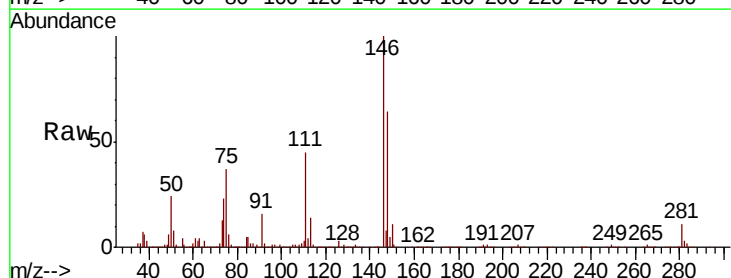
Tgt Ion: 91 Resp: 524730

Ion Ratio Lower Upper

91 100

126 18.1 15.4 23.0

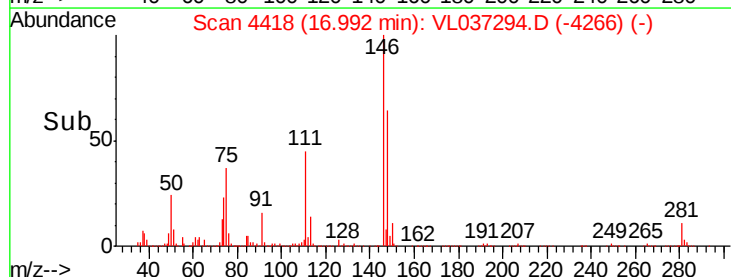
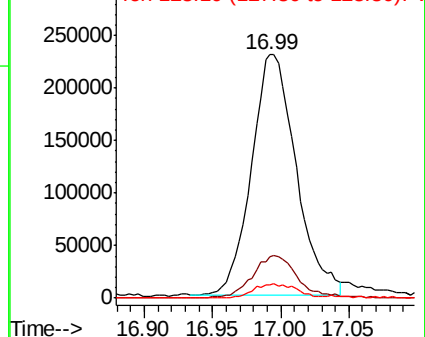
128 6.7 5.0 7.4

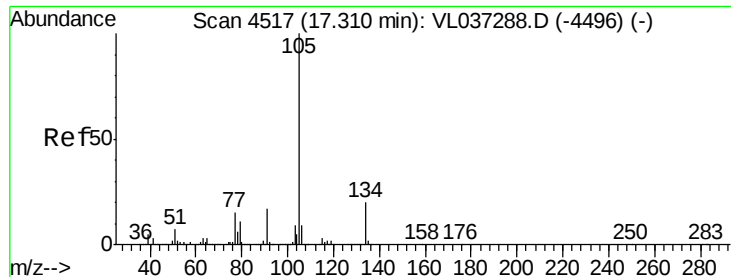


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 13.463 ppbv

RT: 17.30 min Scan# 4514

Delta R.T. -0.01 min

Lab File: VL037294.D

Acq: 30 Jul 2021 21:13

Instrument :

MSVOA_L

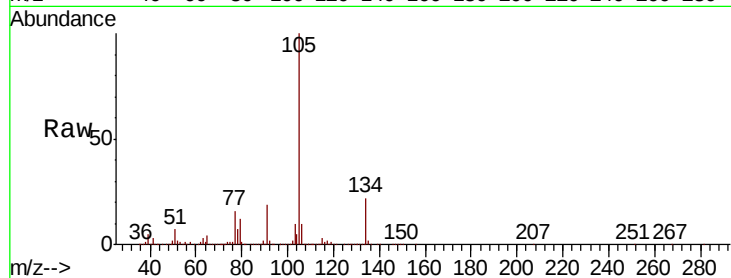
ClientSampleId :

Tot Ion:105 Resp: 9833343

Ion Ratio Lower Upper

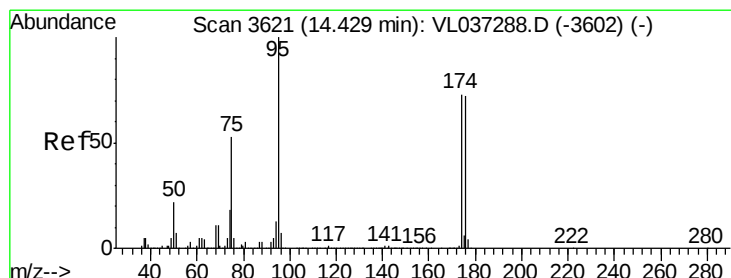
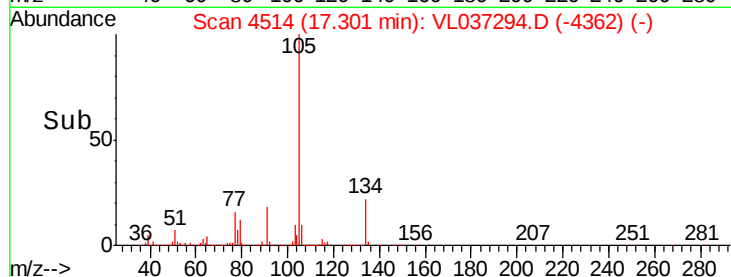
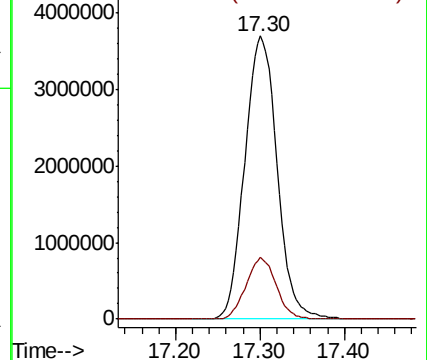
105 100

134 20.5 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: 9.712 ppbv

RT: 14.42 min Scan# 3618

Delta R.T. -0.01 min

Lab File: VL037294.D

Acq: 30 Jul 2021 21:13

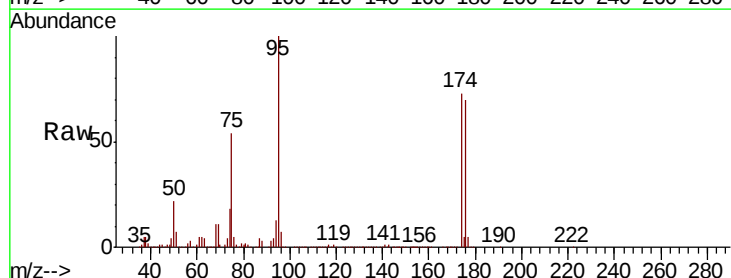
Tgt Ion: 95 Resp: 2827940

Ion Ratio Lower Upper

95 100

174 73.8 59.8 89.6

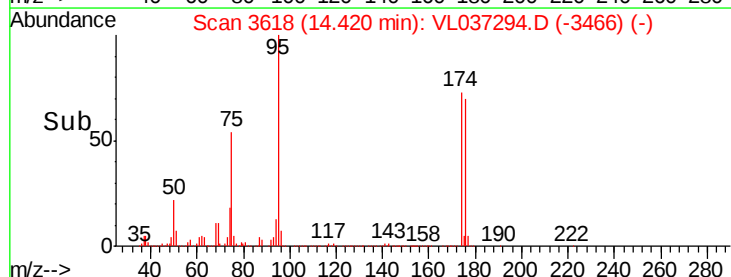
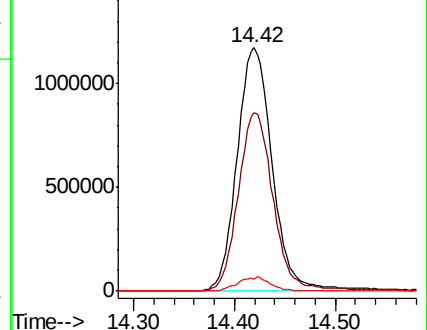
175 5.6 4.5 6.7

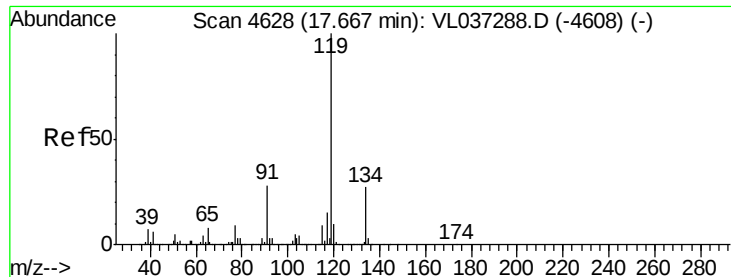


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V



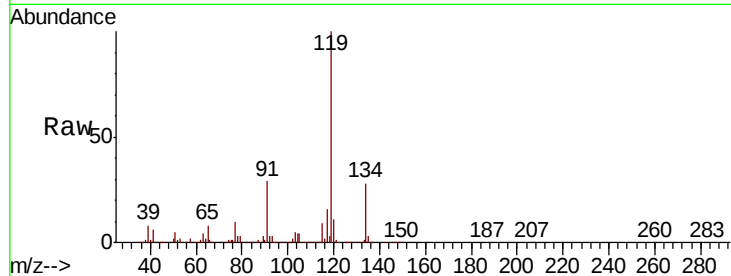


#69
 p-Isopropyltoluene
 Concen: 13.920 ppbv
 RT: 17.66 min Scan# 4626
 Delta R.T. -0.01 min
 Lab File: VL037294.D
 Acq: 30 Jul 2021 21:13

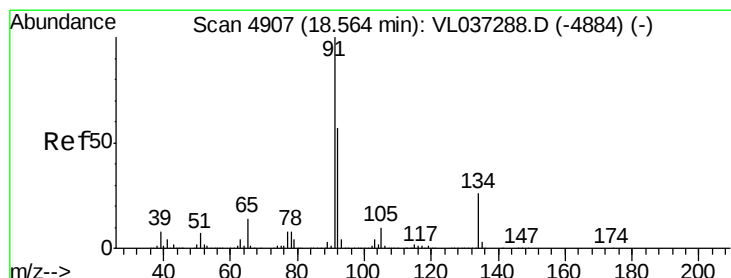
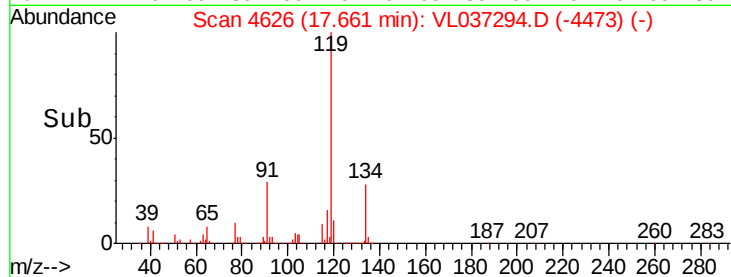
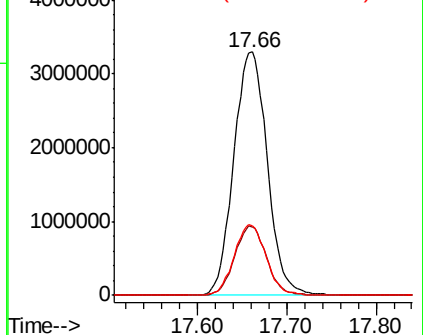
Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:119 Resp: 8593583

Ion	Ratio	Lower	Upper
119	100		
134	27.1	21.1	31.7
91	27.8	21.8	32.6



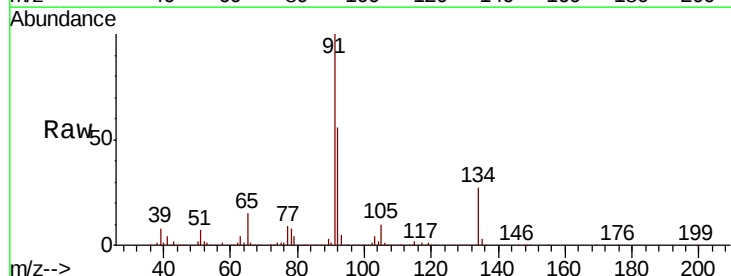
Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V



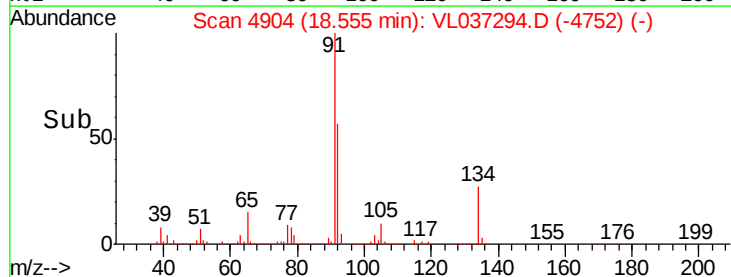
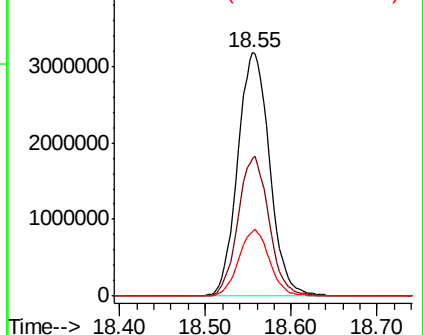
#70
 n-Butylbenzene
 Concen: 14.343 ppbv
 RT: 18.55 min Scan# 4904
 Delta R.T. -0.01 min
 Lab File: VL037294.D
 Acq: 30 Jul 2021 21:13

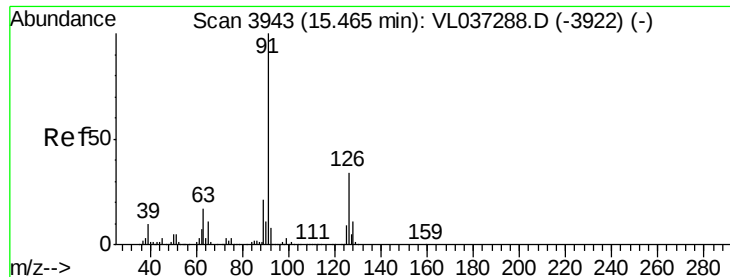
Tgt Ion: 91 Resp: 8195412

Ion	Ratio	Lower	Upper
91	100		
92	55.7	43.6	65.4
134	26.2	20.3	30.5



Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 92.10 (91.80 to 92.80): VL0
 Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 13.960 ppbv

RT: 15.46 min Scan# 3941

Delta R.T. -0.01 min

Lab File: VL037294.D

Acq: 30 Jul 2021 21:13

Instrument :

MSVOA_L

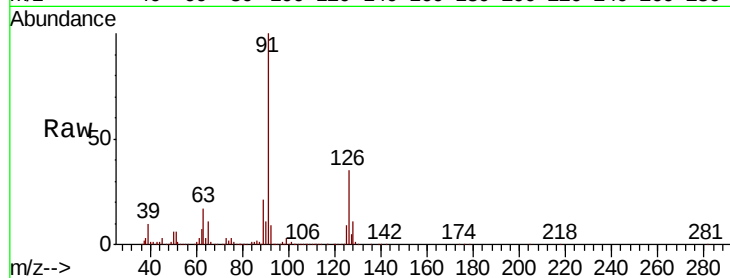
ClientSampleId :

Tot Ion: 91 Resp: 5993836

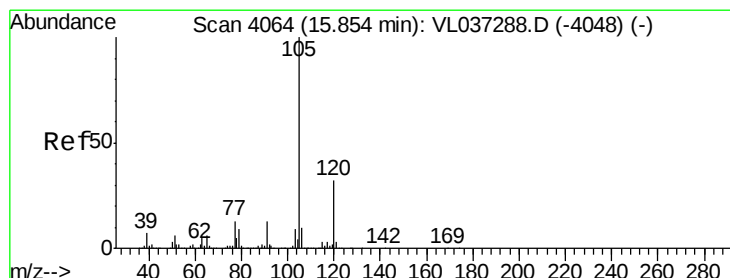
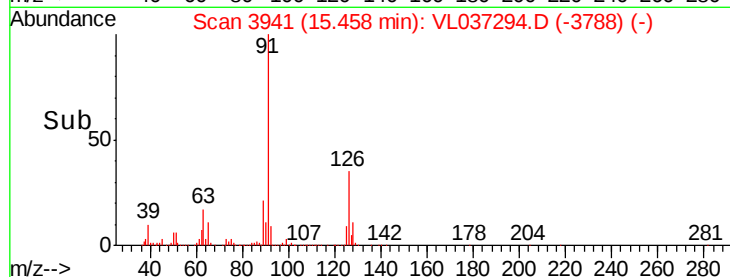
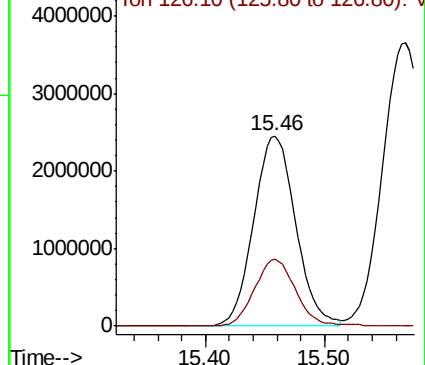
Ion Ratio Lower Upper

91 100

126 35.1 13.8 55.2



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 14.594 ppbv

RT: 15.84 min Scan# 4061

Delta R.T. -0.01 min

Lab File: VL037294.D

Acq: 30 Jul 2021 21:13

Tgt Ion:105 Resp: 7222545

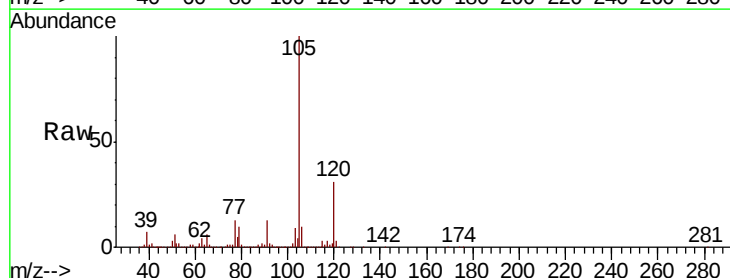
Ion Ratio Lower Upper

105 100

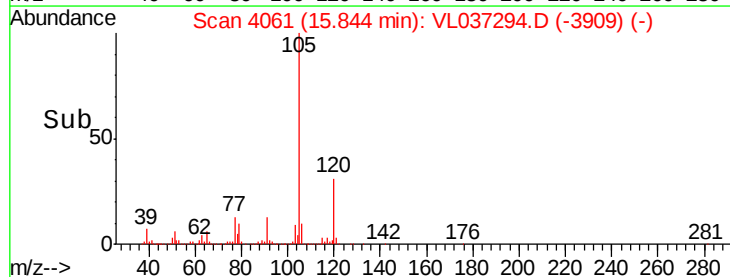
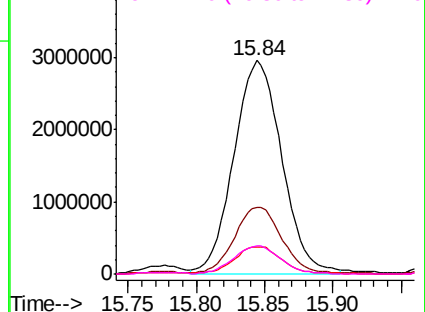
120 31.4 24.3 36.5

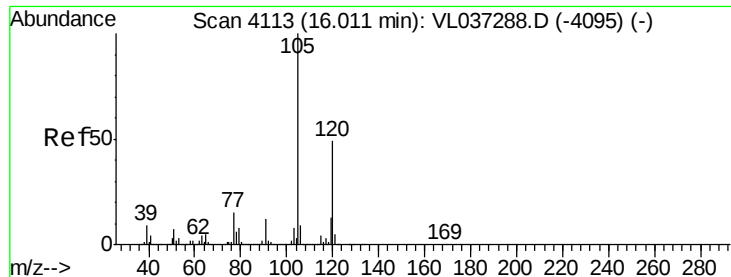
91 12.4 9.6 14.4

77 13.2 10.3 15.5



Abundance Ion 105.10 (104.80 to 105.80): V
Ion 120.20 (119.90 to 120.90): V
Ion 91.10 (90.80 to 91.80): VL0
Ion 77.10 (76.80 to 77.80): VL0





#73

1,3,5-Trimethylbenzene

Concen: 13.768 ppbv

RT: 16.00 min Scan# 4111

Delta R.T. -0.01 min

Lab File: VL037294.D

Acq: 30 Jul 2021 21:13

Instrument :

MSVOA_L

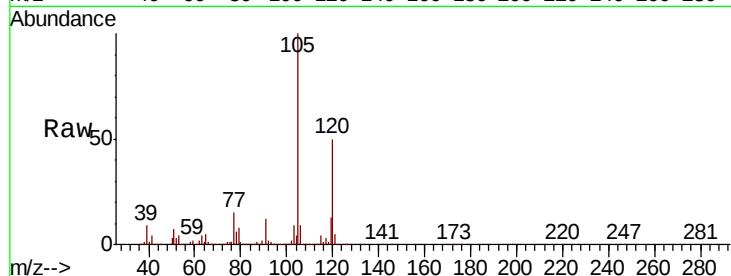
ClientSampleId :

Tot Ion:105 Resp: 6558731

Ion Ratio Lower Upper

105 100

120 50.3 39.0 58.6



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

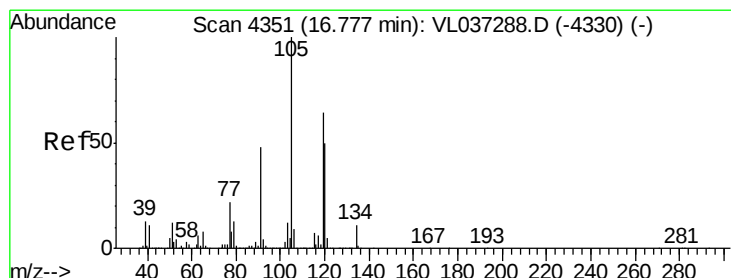
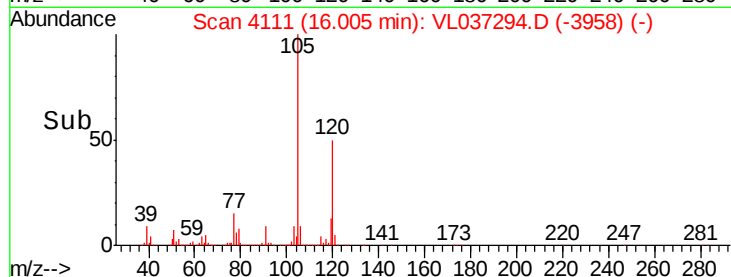
0

Time-->

15.90

16.00

16.10



#74

1,2,4-Trimethylbenzene

Concen: 13.747 ppbv

RT: 16.77 min Scan# 4349

Delta R.T. -0.01 min

Lab File: VL037294.D

Acq: 30 Jul 2021 21:13

Tgt Ion:105 Resp: 6742229

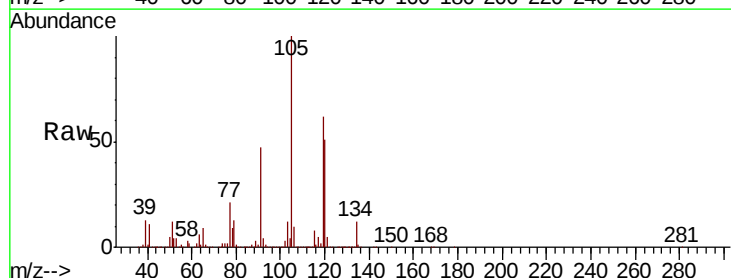
Ion Ratio Lower Upper

105 100

120 51.2 40.2 60.4

91 47.1 39.0 58.6

77 21.3 17.4 26.0



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

4000000

3000000

2000000

1000000

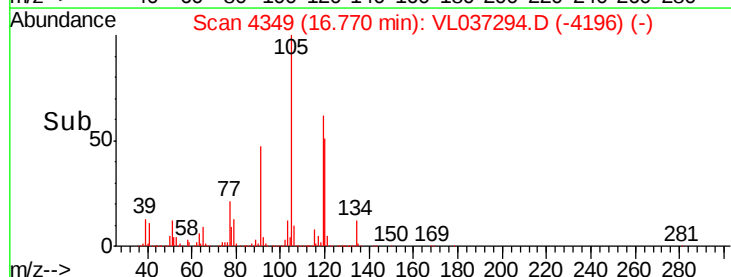
0

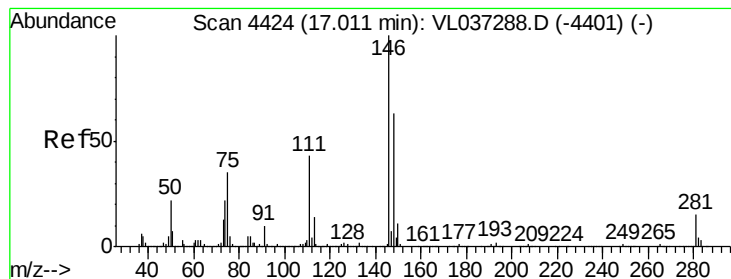
Time-->

16.70

16.80

16.90





#75

1,3-Dichlorobenzene

Concen: 14.660 ppbv

RT: 17.00 min Scan# 4421

Delta R.T. -0.01 min

Lab File: VL037294.D

Acq: 30 Jul 2021 21:13

Instrument :

MSVOA_L

ClientSampleId :

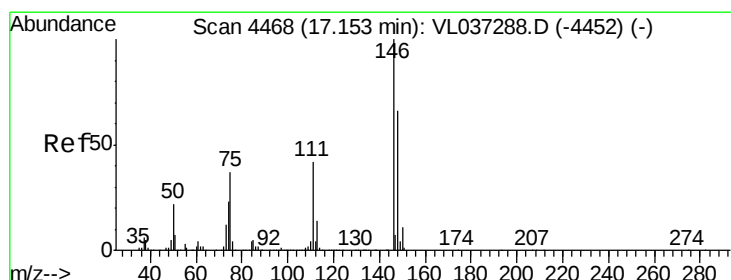
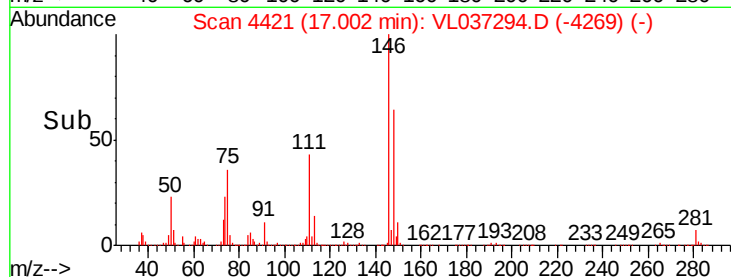
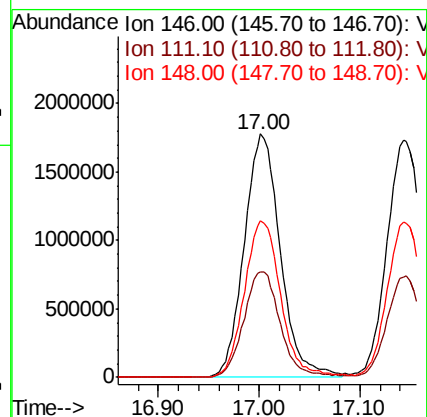
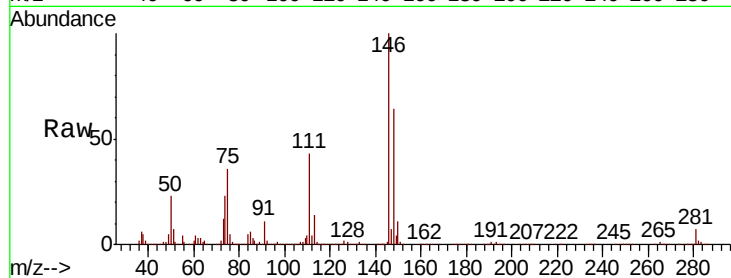
Tot Ion:146 Resp: 4406559

Ion Ratio Lower Upper

146 100

111 43.9 21.7 65.1

148 65.1 32.3 96.9



#76

1,4-Dichlorobenzene

Concen: 14.447 ppbv

RT: 17.14 min Scan# 4465

Delta R.T. -0.01 min

Lab File: VL037294.D

Acq: 30 Jul 2021 21:13

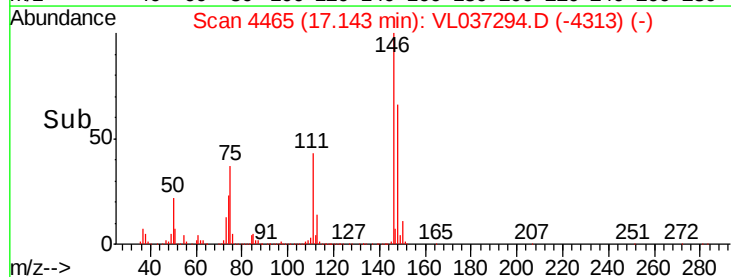
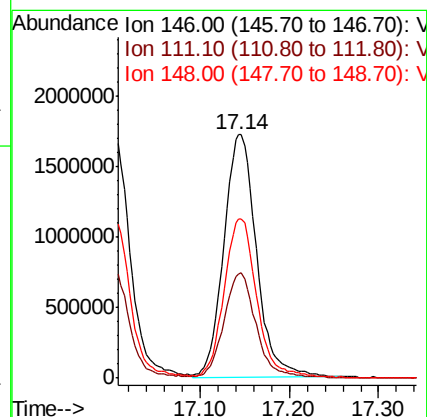
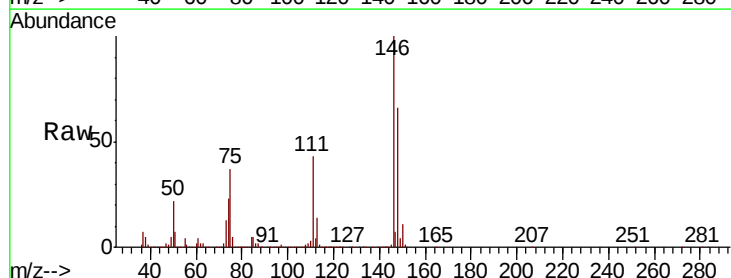
Tgt Ion:146 Resp: 4365149

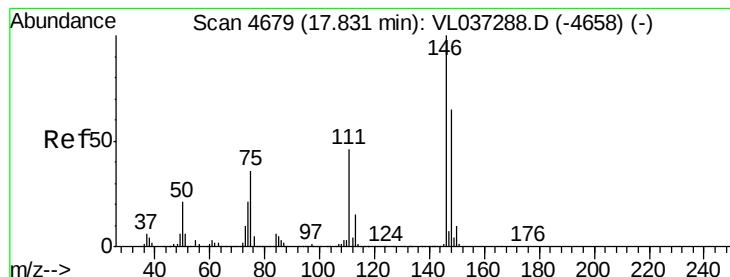
Ion Ratio Lower Upper

146 100

111 42.7 21.2 63.6

148 65.7 32.9 98.6





#77

1,2-Dichlorobenzene

Concen: 14.396 ppbv

RT: 17.82 min Scan# 4676

Delta R.T. -0.01 min

Lab File: VL037294.D

Acq: 30 Jul 2021 21:13

Instrument :

MSVOA_L

ClientSampled :

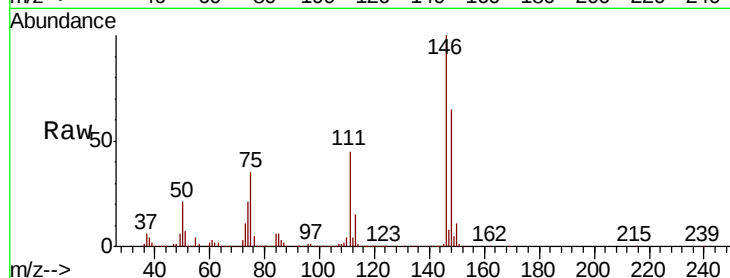
Tot Ion:146 Resp: 4200495

Ion Ratio Lower Upper

146 100

111 45.4 22.6 67.7

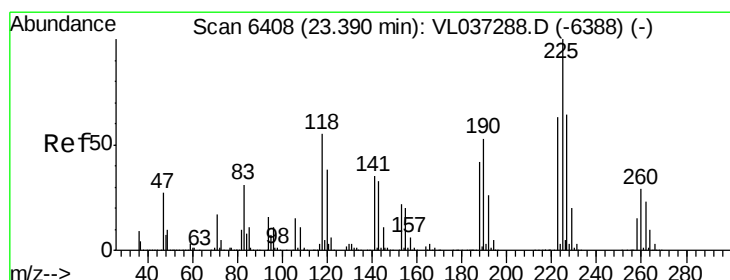
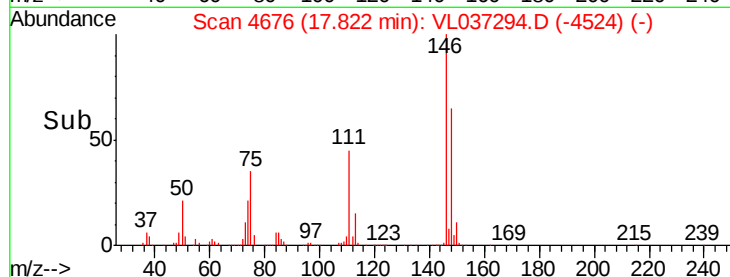
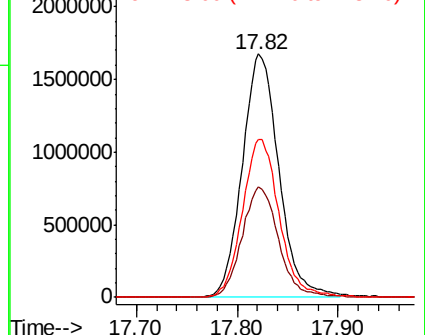
148 65.7 32.5 97.4



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 11.337 ppbv

RT: 23.38 min Scan# 6405

Delta R.T. -0.01 min

Lab File: VL037294.D

Acq: 30 Jul 2021 21:13

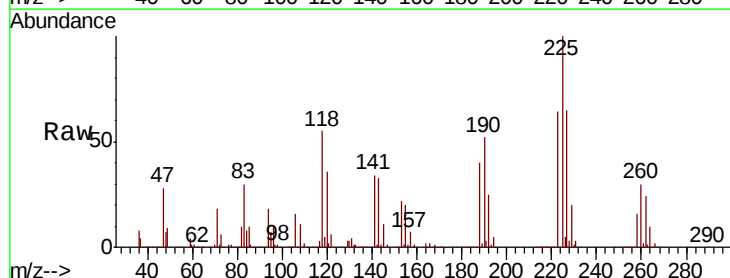
Tgt Ion:225 Resp: 2779151

Ion Ratio Lower Upper

225 100

223 64.4 51.7 77.5

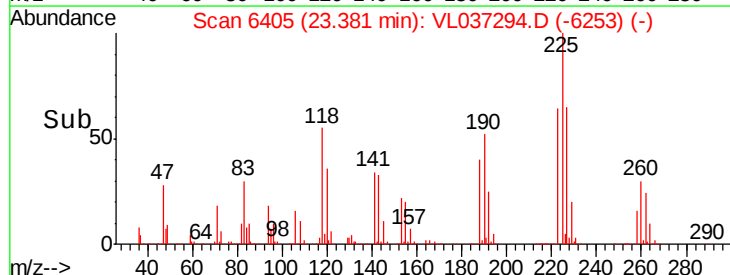
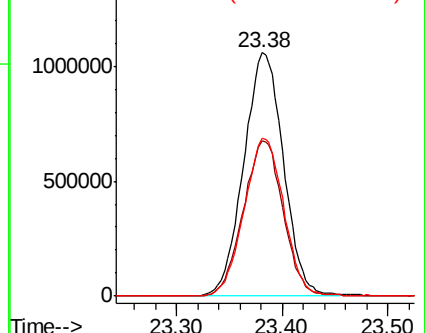
227 65.0 51.8 77.8

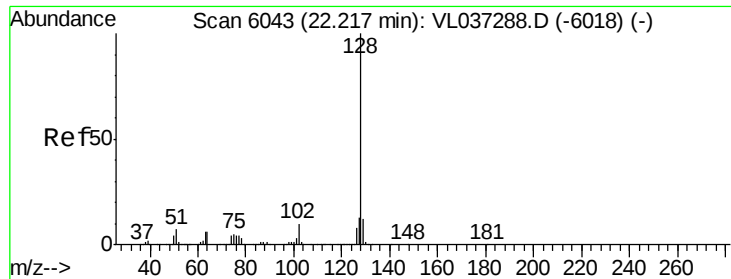


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 13.966 ppbv

RT: 22.20 min Scan# 6038

Delta R.T. -0.02 min

Lab File: VL037294.D

Acq: 30 Jul 2021 21:13

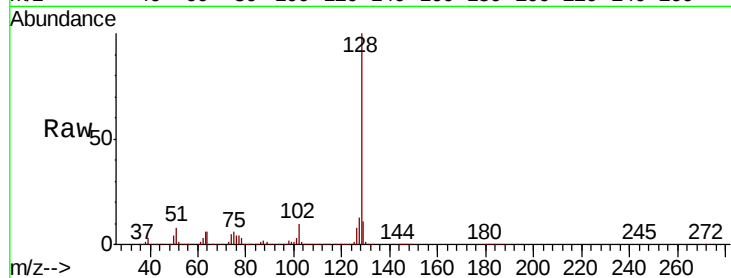
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:128 Resp: 5520755

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.7	16.1
129	11.4	9.4	14.2

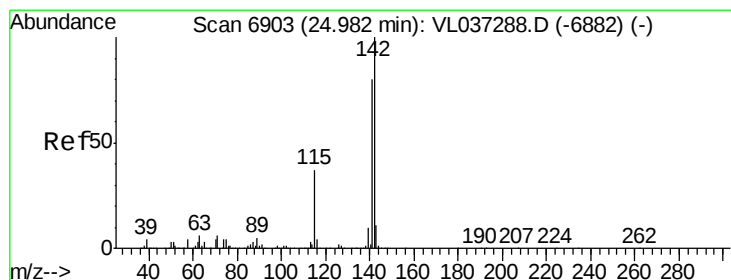
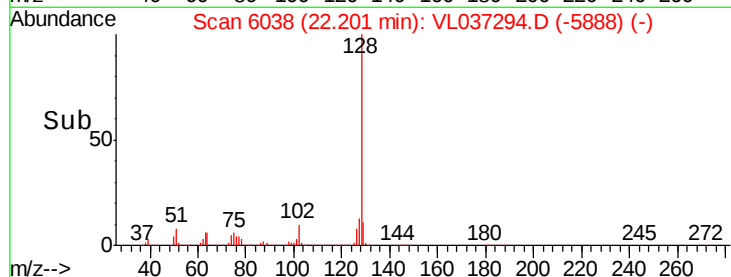
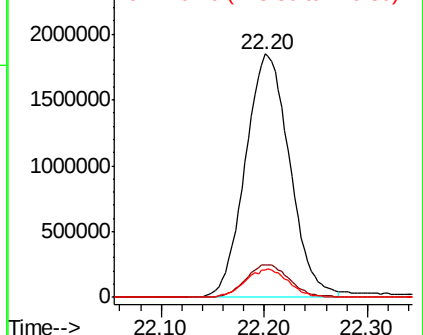


Abundance

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: 18.532 ppbv

RT: 24.98 min Scan# 6901

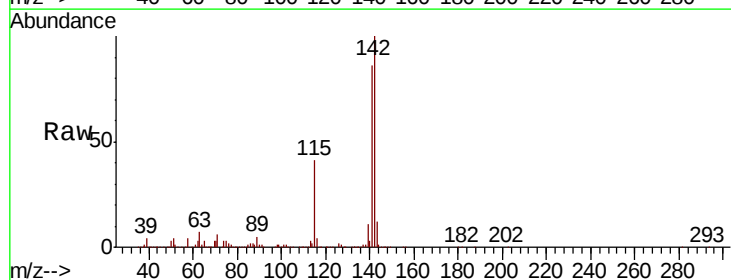
Delta R.T. -0.01 min

Lab File: VL037294.D

Acq: 30 Jul 2021 21:13

Tgt Ion:142 Resp: 1911858

Ion	Ratio	Lower	Upper
142	100		
141	85.7	67.0	100.6
115	37.3	28.6	42.8

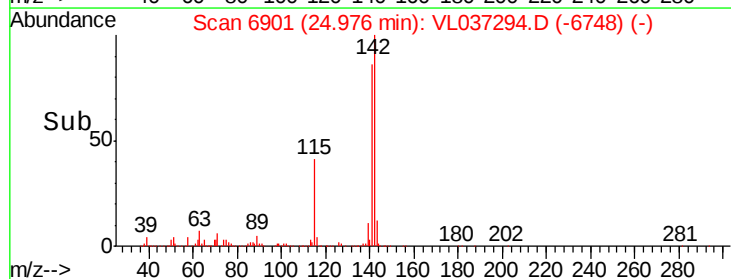
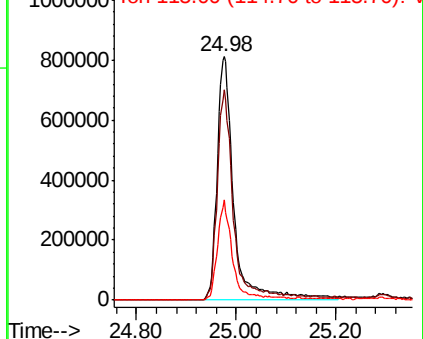


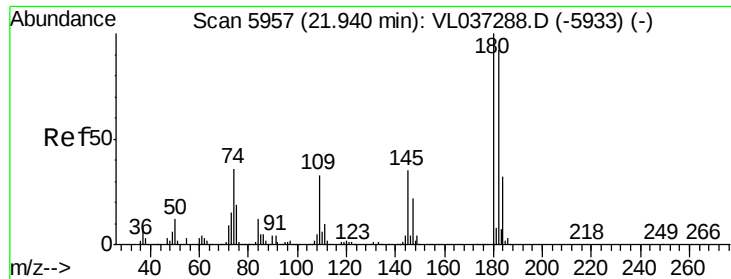
Abundance

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: 14.216 ppbv

RT: 21.93 min Scan# 5955

Delta R.T. -0.01 min

Lab File: VL037294.D

Acq: 30 Jul 2021 21:13

Instrument :

MSVOA_L

ClientSampleId :

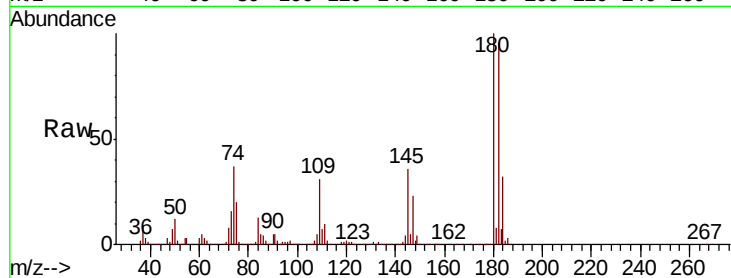
Tot Ion:180 Resp: 3291932

Ion Ratio Lower Upper

180 100

182 98.3 80.8 121.2

184 31.8 25.4 38.2



Abundance Ion 180.00 (179.70 to 180.70): V

1500000 Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

