

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081821\
 Data File : VL037493.D
 Acq On : 18 Aug 2021 16:18
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Aug 19 01:43:11 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug 17 02:13:47 2021
 QLast Update : Tue Aug 17 02:13:47 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1441866	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	4272192	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	4757606	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.40	95	2911018	8.61	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	86.10%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.04	85	1968229	8.508	ppbv 95
3) Chlorodifluoromethane	2.99	51	2542494	9.209	ppbv 99
4) Chloromethane	3.14	50	949204	9.621	ppbv 99
5) Vinyl Chloride	3.25	62	948191	9.380	ppbv 97
6) Bromomethane	3.47	94	524343	9.470	ppbv 99
7) Chloroethane	3.55	64	327446	9.491	ppbv 92
8) Dichlorotetrafluoroethane	3.18	85	2207752	9.244	ppbv 99
9) Propene	3.01	41	886357	8.972	ppbv 99
10) Heptane	8.11	43	2241125	9.856	ppbv 100
11) Trichlorofluoromethane	3.94	101	2029913	9.348	ppbv 98
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1560659	9.794	ppbv 99
13) Ethanol	3.61	45	85907	8.937	ppbv 80
14) Bromoethene	3.73	108	696347	9.625	ppbv 99
15) Acetone	3.84	43	1202150	8.192	ppbv 99
16) 1,3-Butadiene	3.32	39	923106	9.807	ppbv 98
17) tert-Butyl alcohol	4.28	59	1401046	10.452	ppbv 100
18) 1,1-Dichloroethene	4.28	96	698642	9.651	ppbv 100
19) Isopropyl Alcohol	3.96	45	825307	9.817	ppbv # 99
20) Methylene Chloride	4.33	84	586200	7.979	ppbv 97
21) Allyl Chloride	4.40	41	1089138	9.138	ppbv 93
22) trans-1,2-Dichloroethene	4.88	96	726697	10.062	ppbv 97
23) Vinyl Acetate	5.06	43	1791048	8.281	ppbv 99
24) 1,1-Dichloroethane	5.00	63	1438176	9.168	ppbv 99
25) Ethyl Acetate	5.67	43	3510289	9.423	ppbv 100
26) Hexane	5.68	57	1676208	9.203	ppbv 99
27) Carbon Disulfide	4.54	76	1738433	10.710	ppbv 99
28) Methyl tert-Butyl Ether	5.02	73	1436856	8.214	ppbv 98
29) Chloroform	5.74	83	2457581	9.521	ppbv 98
30) Cyclohexane	7.12	84	1398849	9.218	ppbv 98
31) cis-1,2-Dichloroethene	5.54	61	1604095	9.731	ppbv 97
32) 1,1,1-Trichloroethane	6.50	97	2397835	9.455	ppbv 99
34) 2-Butanone	5.24	43	1504178	8.622	ppbv 96
35) Carbon Tetrachloride	7.01	117	2509001	9.937	ppbv 99
36) Benzene	6.88	78	3505784	9.762	ppbv 98
37) 1,2-Dichloroethane	6.29	62	1746496	9.818	ppbv 100
38) Trichloroethene	7.83	130	1394352	9.463	ppbv 98
39) 1,2-Dichloropropane	7.60	63	1339715	9.708	ppbv 96
40) 1,4-Dioxane	7.83	88	330878	9.787	ppbv # 100
41) Tetrahydrofuran	6.04	42	805917	9.590	ppbv 99
42) Bromodichloromethane	7.78	83	2628603	10.105	ppbv 94
43) Methyl Methacrylate	8.01	69	1243458	9.934	ppbv 96

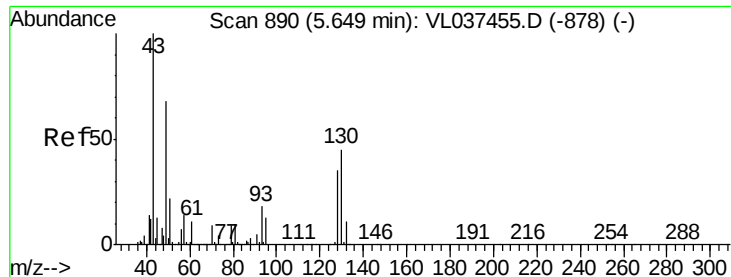
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081821\
 Data File : VL037493.D
 Acq On : 18 Aug 2021 16:18
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
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Instrument :
 MSVOA_L
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Quant Time: Aug 19 01:43:11 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug 17 02:13:47 2021
 QLast Update : Tue Aug 17 02:13:47 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	5812223	9.616	ppbv	100
45) t-1,3-Dichloropropene	9.27	75	1089114	11.558	ppbv	95
46) cis-1,3-Dichloropropene	8.69	75	1421727	10.816	ppbv	99
47) 1,1,2-Trichloroethane	9.46	97	1456549	9.768	ppbv	99
48) Dibromochloromethane	10.29	129	2296688	10.703	ppbv	100
49) Bromoform	13.03	173	1875968	11.091	ppbv	99
50) 4-Methyl-2-Pentanone	8.73	43	2302429	10.116	ppbv	99
51) 2-Hexanone	10.13	43	1096987	10.479	ppbv #	98
52) Tetrachloroethene	11.21	164	1298959	8.826	ppbv	98
53) Toluene	9.80	91	4090901	9.976	ppbv	100
54) 1,2-Dibromoethane	10.60	107	2052655	9.861	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.11	131	1581150	7.976	ppbv	97
57) Chlorobenzene	12.13	112	3046820	7.717	ppbv	99
58) Ethyl Benzene	12.70	91	5343214	8.093	ppbv	99
59) m/p-Xylene	12.98	91	5878996	10.271	ppbv #	63
60) o-Xylene	13.68	91	4088602	7.653	ppbv	99
61) Styrene	13.51	104	2361179	8.508	ppbv	100
62) Isopropylbenzene	14.65	105	5795637	7.687	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.66	83	3096335	7.799	ppbv	99
64) n-propylbenzene	15.55	120	1522734	7.936	ppbv	94
65) tert-Butylbenzene	16.73	119	5289439	7.703	ppbv	99
66) Benzyl Chloride	16.97	91	374493	12.057	ppbv	98
67) sec-Butylbenzene	17.28	105	7404797	7.718	ppbv	100
69) p-Isopropyltoluene	17.64	119	6251301	7.996	ppbv	99
70) n-Butylbenzene	18.54	91	6118679	8.189	ppbv	100
71) 2-Chlorotoluene	15.44	91	4270765	7.724	ppbv	99
72) 4-Ethyltoluene	15.82	105	5142071	8.092	ppbv	99
73) 1,3,5-Trimethylbenzene	15.98	105	4601206	7.779	ppbv	99
74) 1,2,4-Trimethylbenzene	16.75	105	4878947	7.762	ppbv	93
75) 1,3-Dichlorobenzene	16.98	146	2917056	7.710	ppbv	99
76) 1,4-Dichlorobenzene	17.12	146	2838854	7.449	ppbv	95
77) 1,2-Dichlorobenzene	17.80	146	2898230	7.780	ppbv	99
78) Hexachloro-1,3-Butadiene	23.36	225	2194345	7.084	ppbv	99
79) Naphthalene	22.17	128	3768606	8.960	ppbv	98
80) Naphthalene, 2-methyl-	24.95	142	1077207	9.193	ppbv	97
81) 1,2,4-Trichlorobenzene	21.90	180	2253229	8.537	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. 0.01 min

Lab File: VL037493.D

Acq: 18 Aug 2021 16:18

Instrument :

MSVOA_L

ClientSampled :

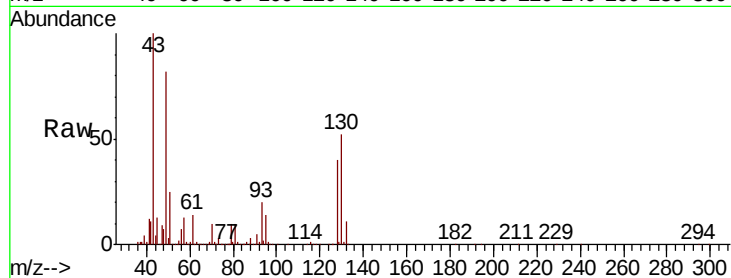
Tot Ion: 49 Resp: 1441866

Ion Ratio Lower Upper

49 100

128 55.9 27.5 82.4

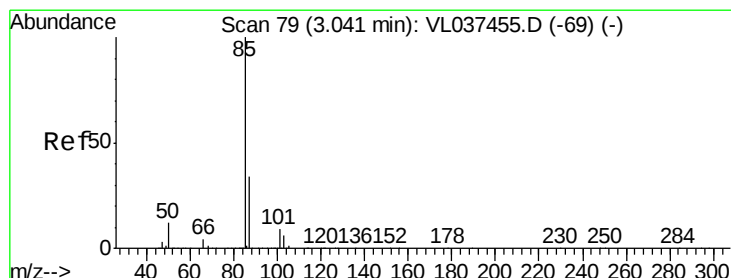
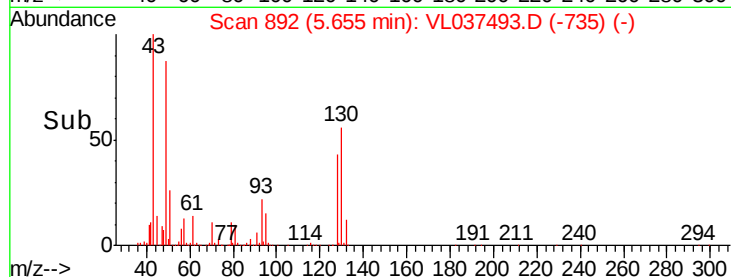
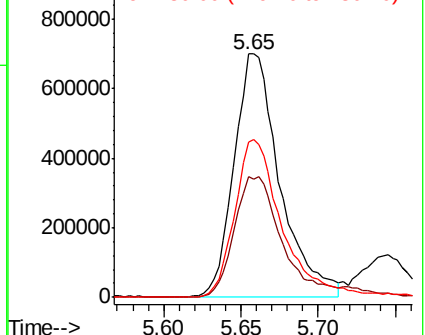
130 68.4 34.0 101.8



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: 8.508 ppbv

RT: 3.04 min Scan# 80

Delta R.T. 0.00 min

Lab File: VL037493.D

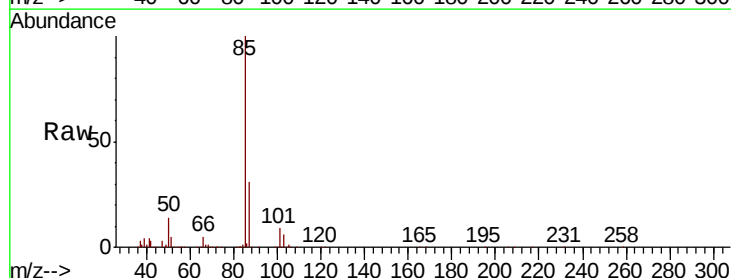
Acq: 18 Aug 2021 16:18

Tgt Ion: 85 Resp: 1968229

Ion Ratio Lower Upper

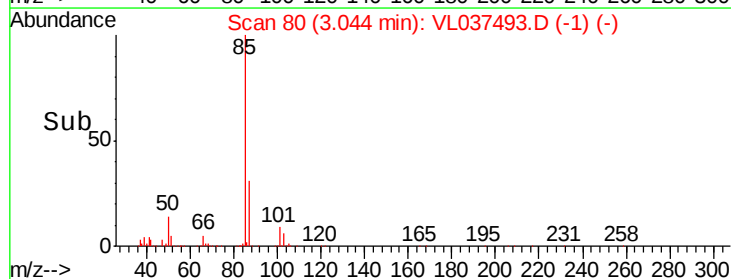
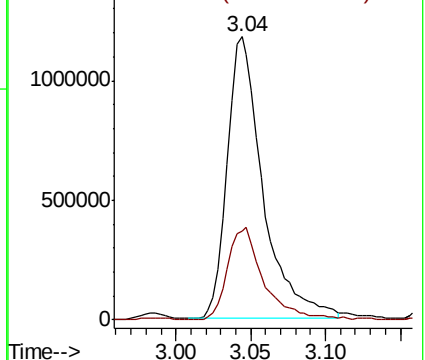
85 100

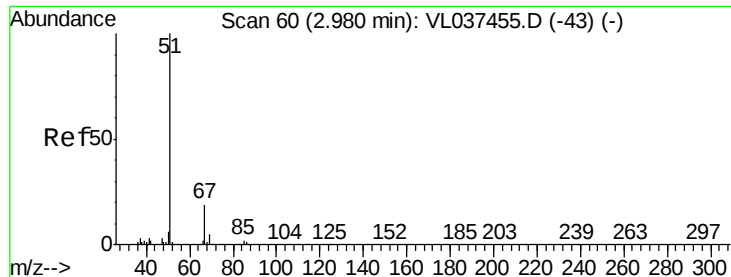
87 31.5 27.6 41.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.209 ppbv

RT: 2.99 min Scan# 62

Delta R.T. 0.01 min

Lab File: VL037493.D

Acq: 18 Aug 2021 16:18

Instrument :

MSVOA_L

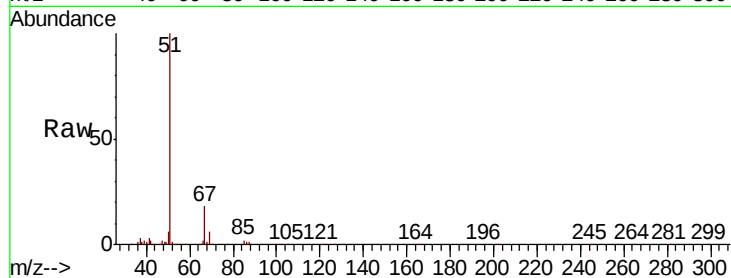
ClientSampleId :

Tot Ion: 51 Resp: 2542494

Ion Ratio Lower Upper

51 100

67 18.1 14.2 21.2



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

2.99

1500000

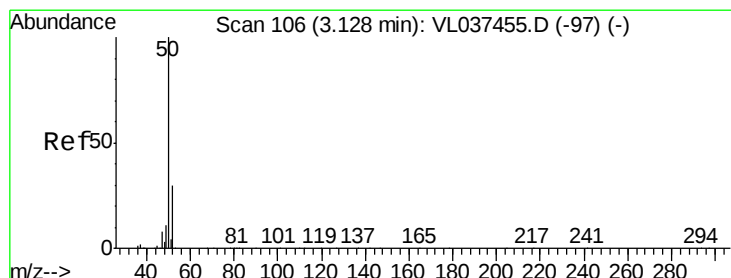
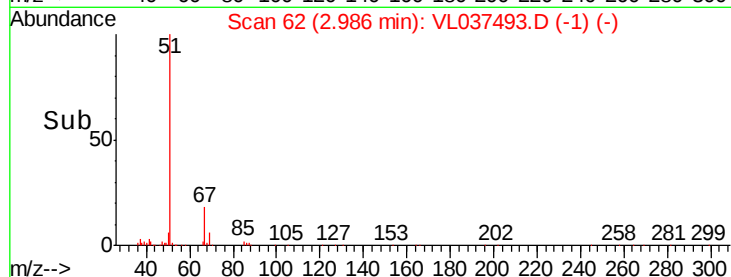
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500000

0

Time-->

2.90 3.00 3.10



#4

Chloromethane

Concen: 9.621 ppbv

RT: 3.14 min Scan# 109

Delta R.T. 0.01 min

Lab File: VL037493.D

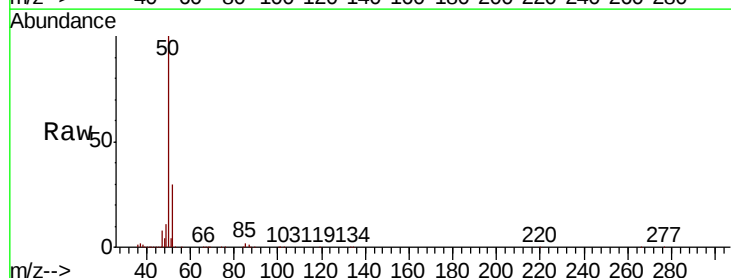
Acq: 18 Aug 2021 16:18

Tgt Ion: 50 Resp: 949204

Ion Ratio Lower Upper

50 100

52 30.5 24.0 36.0



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

3.14

600000

500000

400000

300000

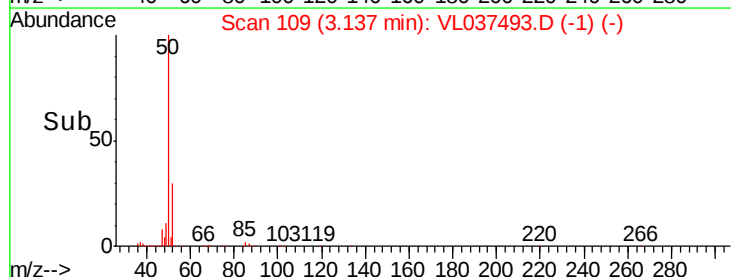
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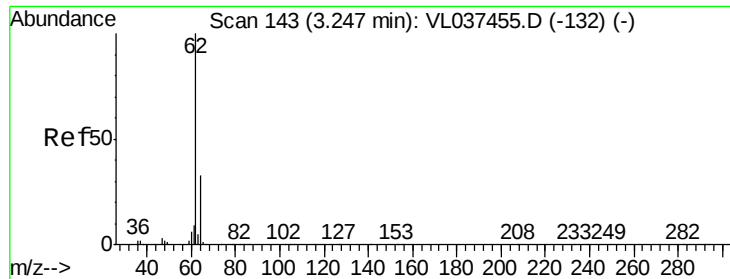
100000

0

Time-->

3.10 3.15





#5

Vinyl Chloride

Concen: 9.380 ppbv

RT: 3.25 min Scan# 145

Delta R.T. 0.01 min

Lab File: VL037493.D

Acq: 18 Aug 2021 16:18

Instrument :

MSVOA_L

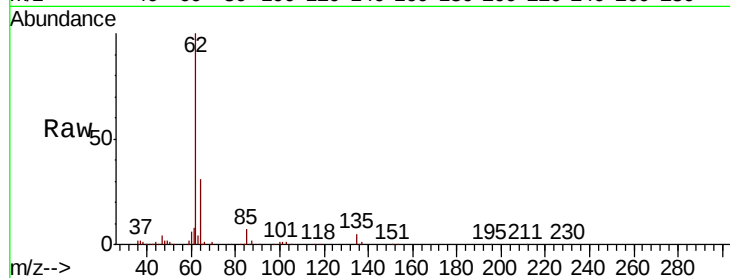
ClientSampleId :

Tot Ion: 62 Resp: 948191

Ion Ratio Lower Upper

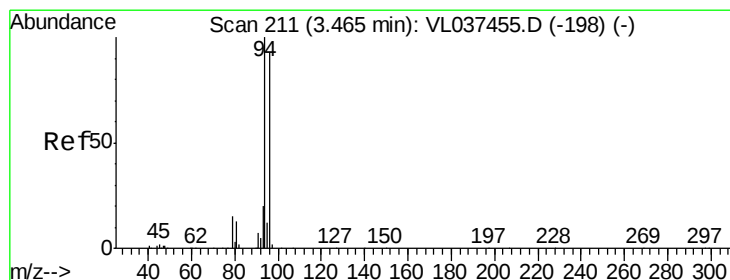
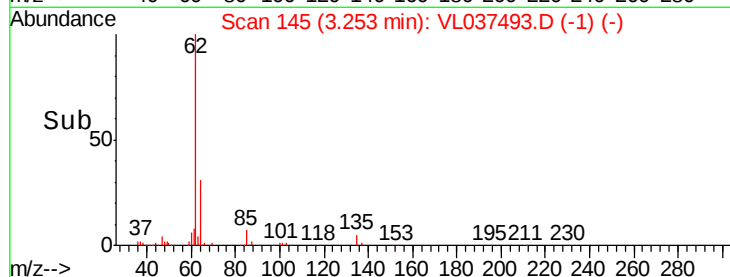
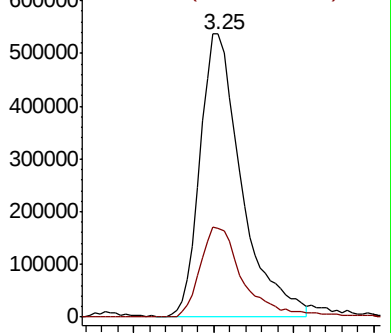
62 100

64 31.2 26.5 39.7



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.470 ppbv

RT: 3.47 min Scan# 212

Delta R.T. 0.00 min

Lab File: VL037493.D

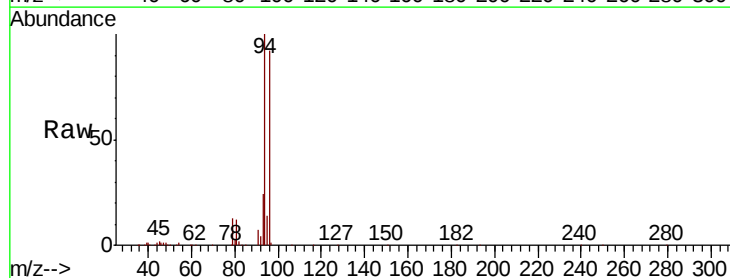
Acq: 18 Aug 2021 16:18

Tgt Ion: 94 Resp: 524343

Ion Ratio Lower Upper

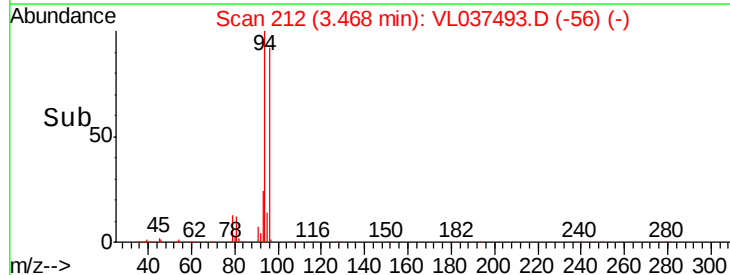
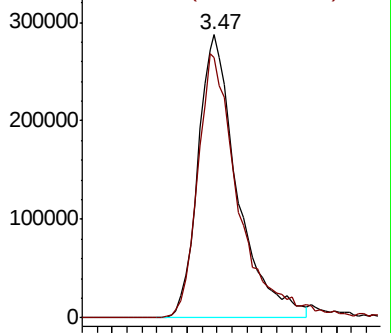
94 100

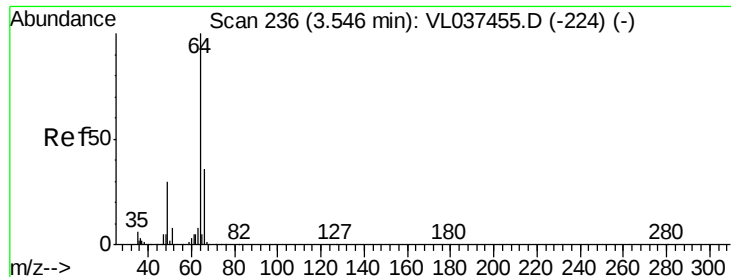
96 91.9 74.5 111.7



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.491 ppbv

RT: 3.55 min Scan# 238

Delta R.T. 0.01 min

Lab File: VL037493.D

Acq: 18 Aug 2021 16:18

Instrument :

MSVOA_L

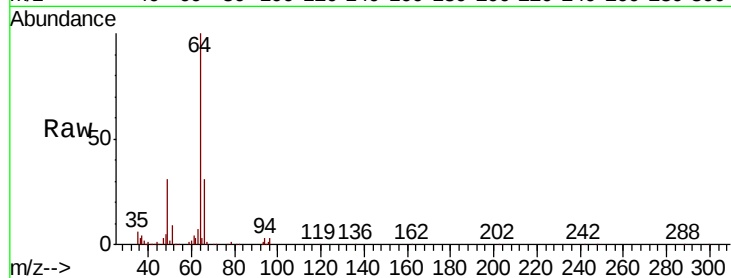
ClientSampleId :

Tot Ion: 64 Resp: 327446

Ion Ratio Lower Upper

64 100

66 31.1 28.6 43.0



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.55

200000

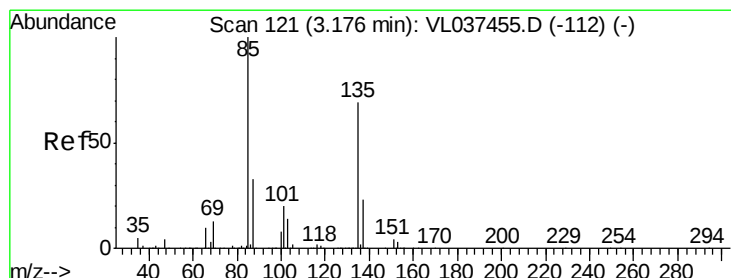
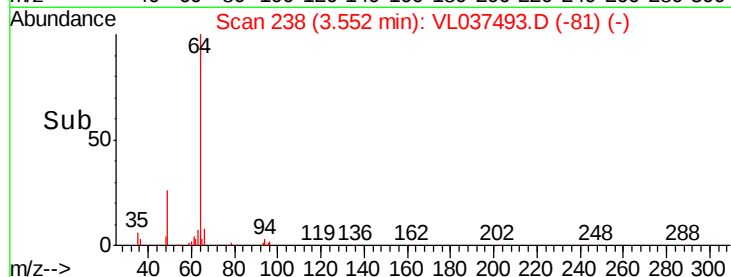
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.244 ppbv

RT: 3.18 min Scan# 123

Delta R.T. 0.01 min

Lab File: VL037493.D

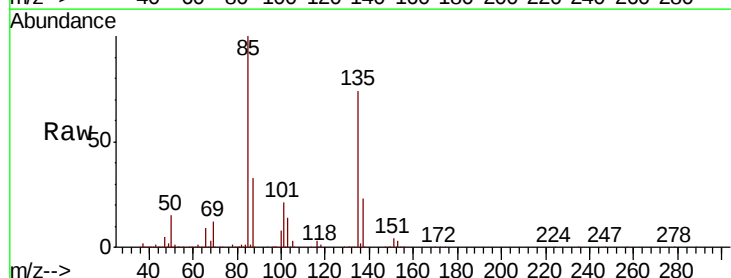
Acq: 18 Aug 2021 16:18

Tgt Ion: 85 Resp: 2207752

Ion Ratio Lower Upper

85 100

135 74.7 58.8 88.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

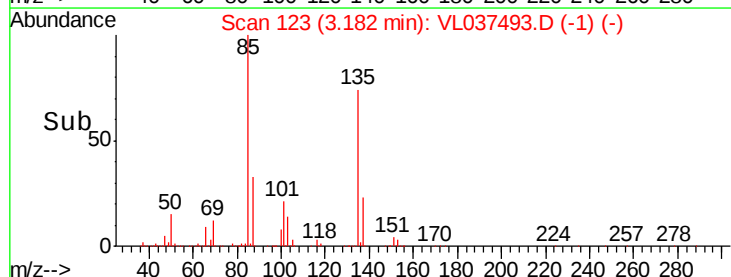
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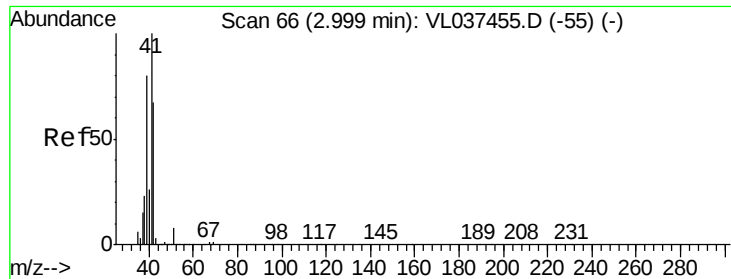
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500000

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Time-->





#9

Propene

Concen: 8.972 ppbv

RT: 3.01 min Scan# 68

Delta R.T. 0.01 min

Lab File: VL037493.D

Acq: 18 Aug 2021 16:18

Instrument :

MSVOA_L

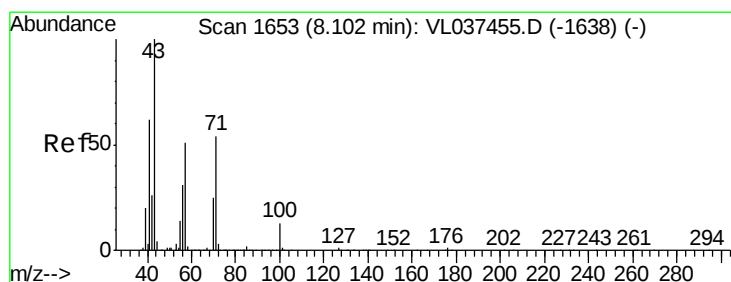
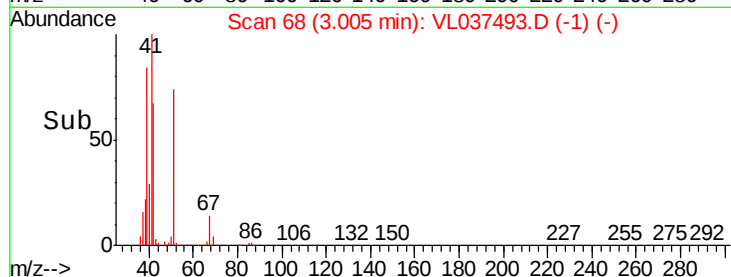
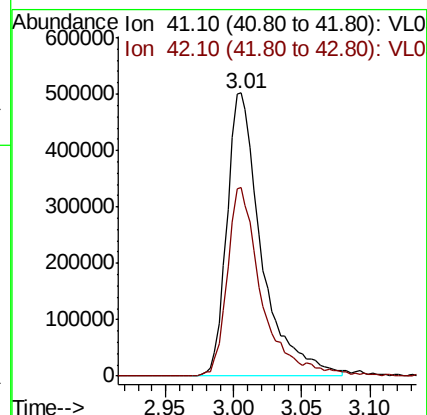
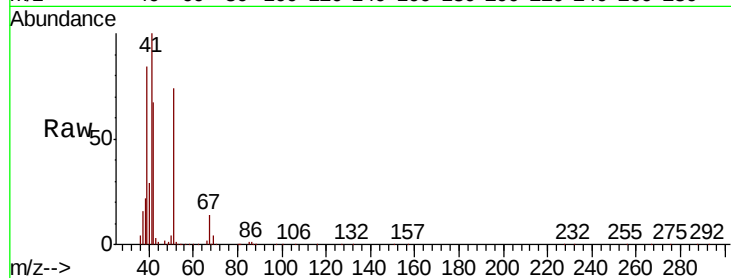
ClientSampleId :

Tot Ion: 41 Resp: 886357

Ion Ratio Lower Upper

41 100

42 66.5 53.7 80.5



#10

Heptane

Concen: 9.856 ppbv

RT: 8.11 min Scan# 1656

Delta R.T. 0.01 min

Lab File: VL037493.D

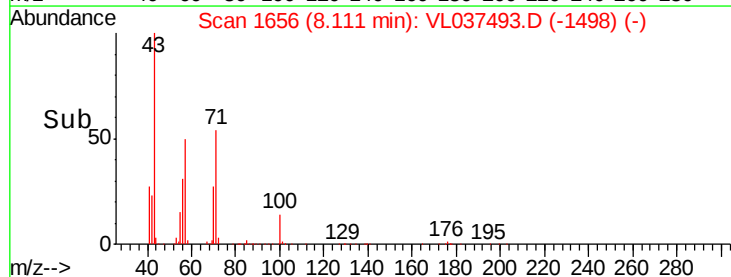
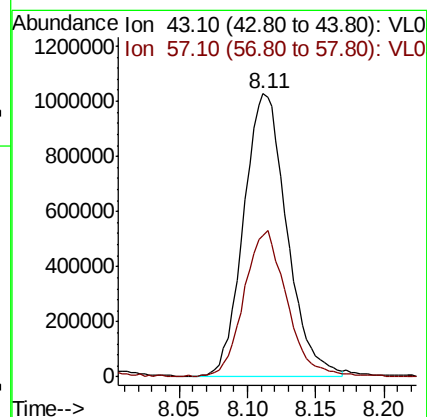
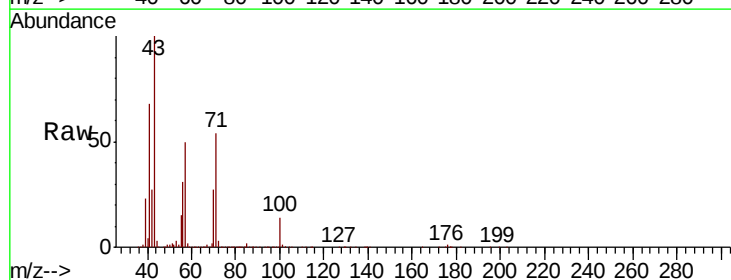
Acq: 18 Aug 2021 16:18

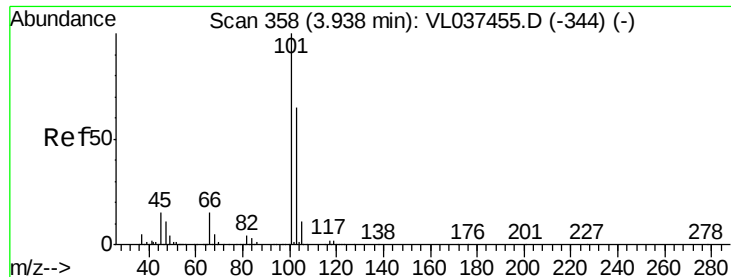
Tgt Ion: 43 Resp: 2241125

Ion Ratio Lower Upper

43 100

57 51.5 41.0 61.6

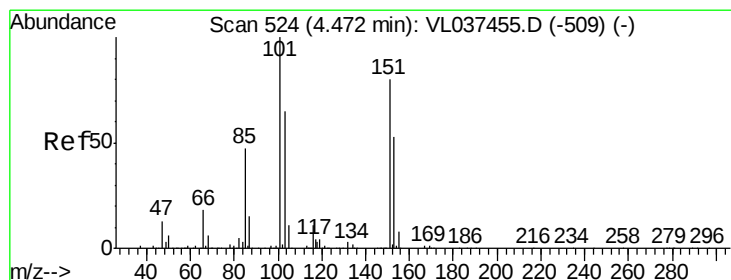
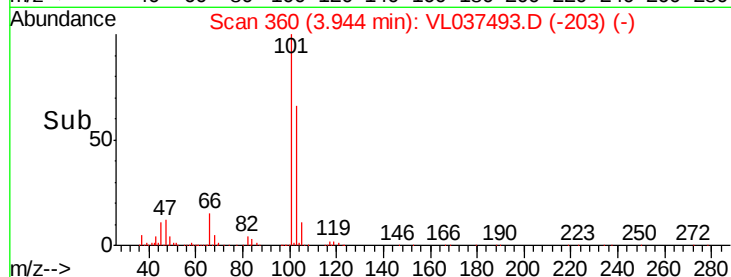
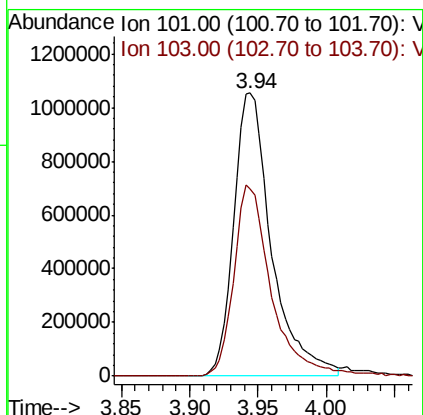
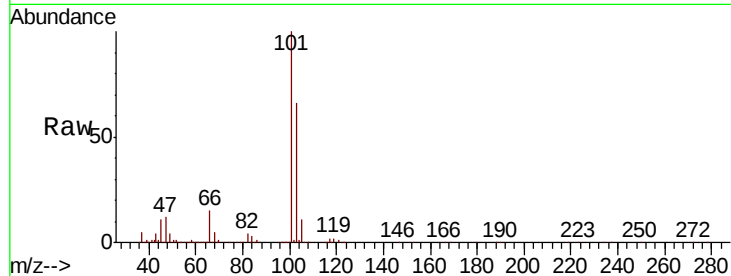




#11
 Trichlorofluoromethane
 Concen: 9.348 ppbv
 RT: 3.94 min Scan# 360
 Delta R.T. 0.01 min
 Lab File: VL037493.D
 Acq: 18 Aug 2021 16:18

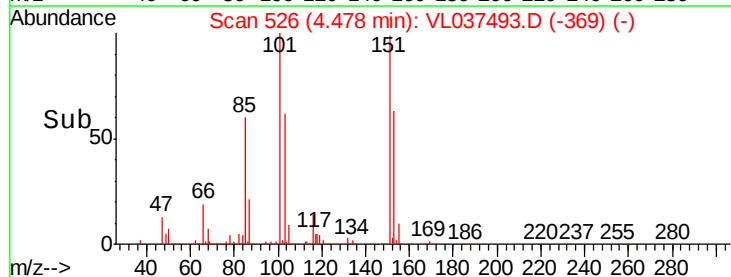
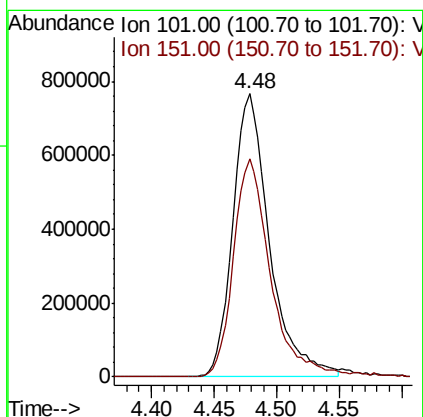
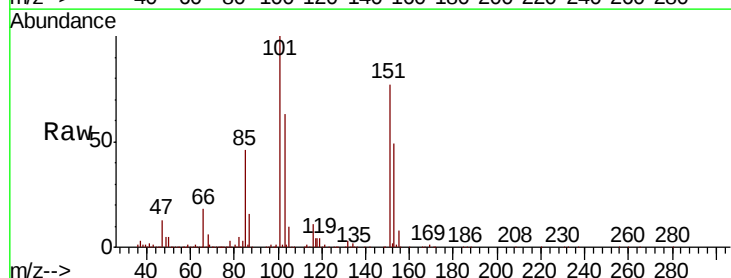
Instrument :
 MSVOA_L
 ClientSampleId :

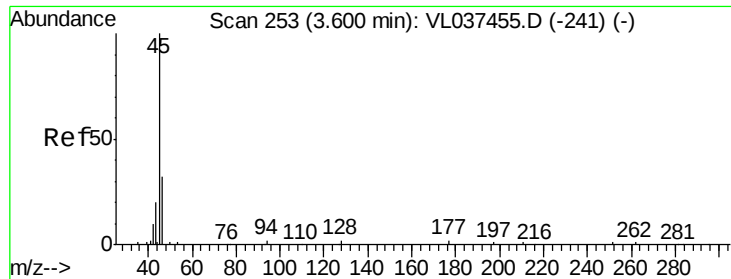
Tot Ion:101 Resp: 2029913
 Ion Ratio Lower Upper
 101 100
 103 66.3 51.8 77.6



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.794 ppbv
 RT: 4.48 min Scan# 526
 Delta R.T. 0.01 min
 Lab File: VL037493.D
 Acq: 18 Aug 2021 16:18

Tgt Ion:101 Resp: 1560659
 Ion Ratio Lower Upper
 101 100
 151 78.7 63.7 95.5

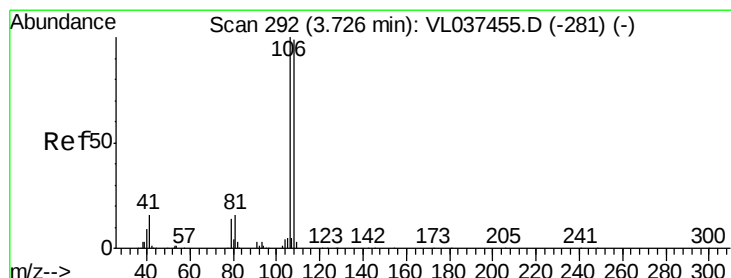
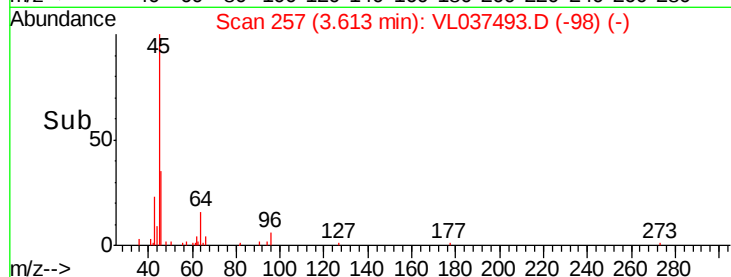
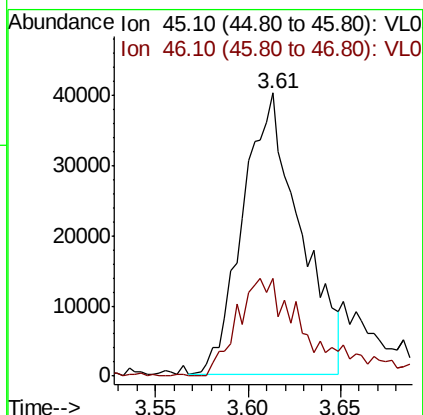
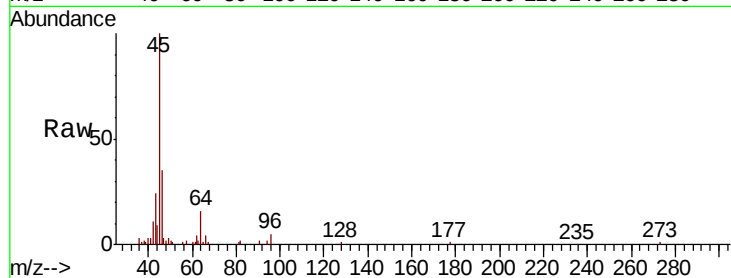




#13
Ethanol
Concen: 8.937 ppbv
RT: 3.61 min Scan# 257
Delta R.T. 0.01 min
Lab File: VL037493.D
Acq: 18 Aug 2021 16:18

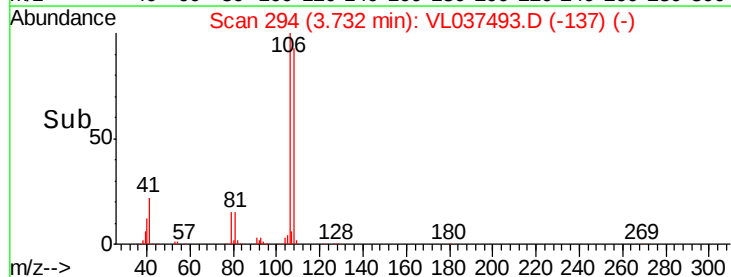
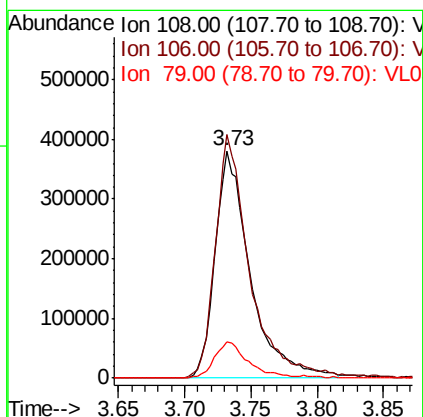
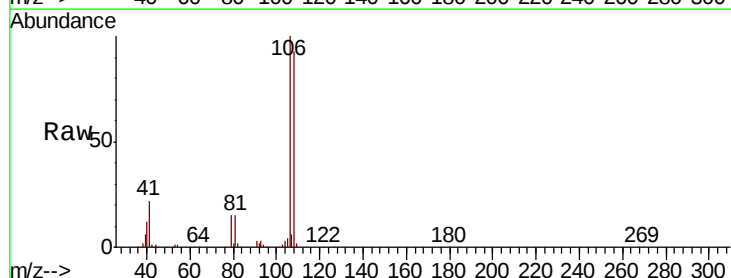
Instrument :
MSVOA_L
ClientSampled :

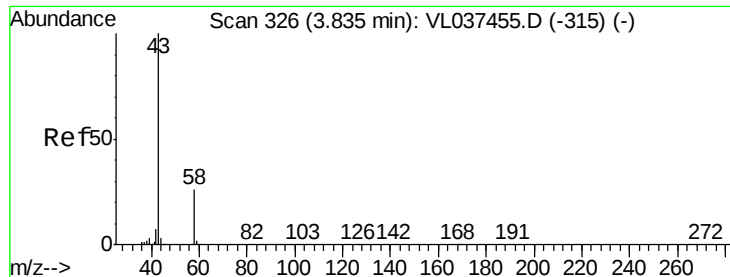
Tot Ion: 45 Resp: 85907
Ion Ratio Lower Upper
45 100
46 46.7 14.1 56.5



#14
Bromoethene
Concen: 9.625 ppbv
RT: 3.73 min Scan# 294
Delta R.T. 0.01 min
Lab File: VL037493.D
Acq: 18 Aug 2021 16:18

Tgt Ion: 108 Resp: 696347
Ion Ratio Lower Upper
108 100
106 106.3 85.8 128.8
79 16.5 12.6 18.8





#15

Acetone

Concen: 8.192 ppbv

RT: 3.84 min Scan# 329

Delta R.T. 0.01 min

Lab File: VL037493.D

Acq: 18 Aug 2021 16:18

Instrument :

MSVOA_L

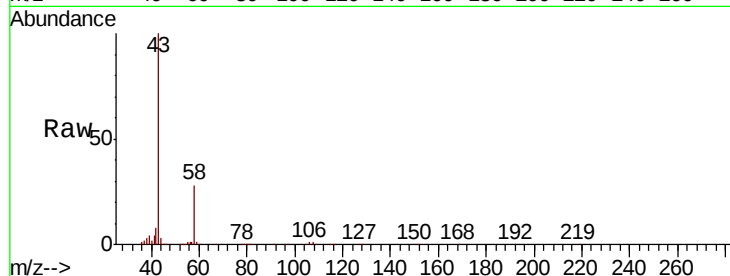
ClientSampleId :

Tot Ion: 43 Resp: 1202150

Ion Ratio Lower Upper

43 100

58 30.6 24.8 37.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.84

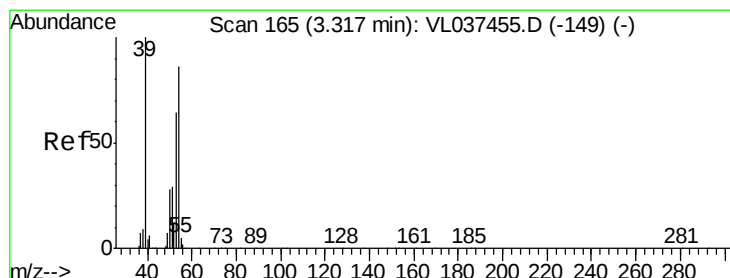
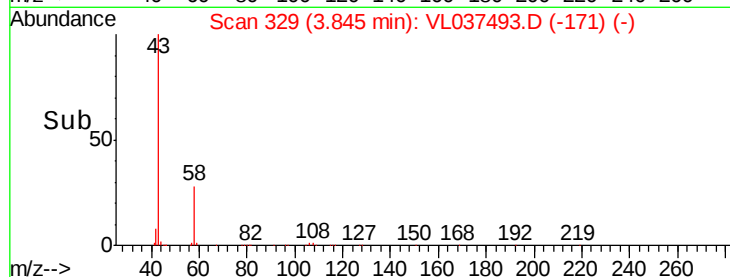
600000

400000

200000

0

Time--> 3.75 3.80 3.85 3.90 3.95



#16

1,3-Butadiene

Concen: 9.807 ppbv

RT: 3.32 min Scan# 166

Delta R.T. 0.00 min

Lab File: VL037493.D

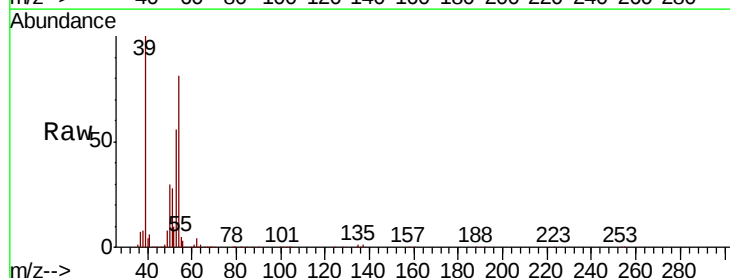
Acq: 18 Aug 2021 16:18

Tgt Ion: 39 Resp: 923106

Ion Ratio Lower Upper

39 100

54 78.1 63.7 95.5



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

3.32

500000

400000

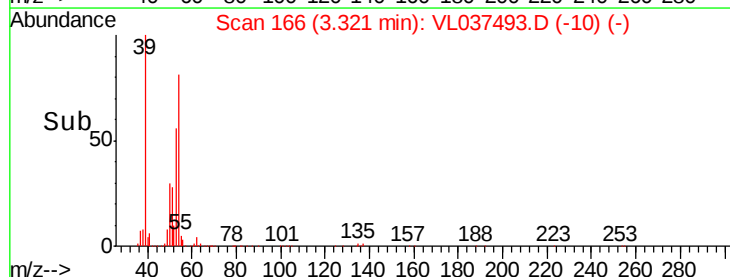
300000

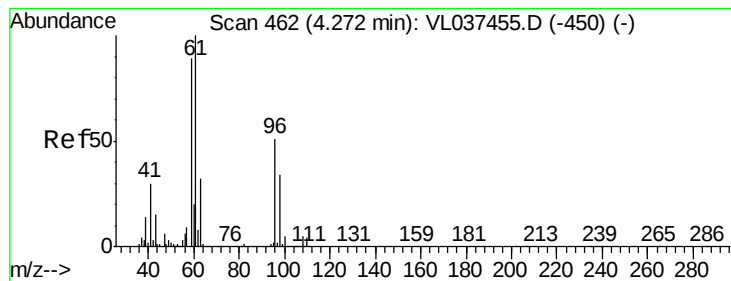
200000

100000

0

Time--> 3.25 3.30 3.35 3.40



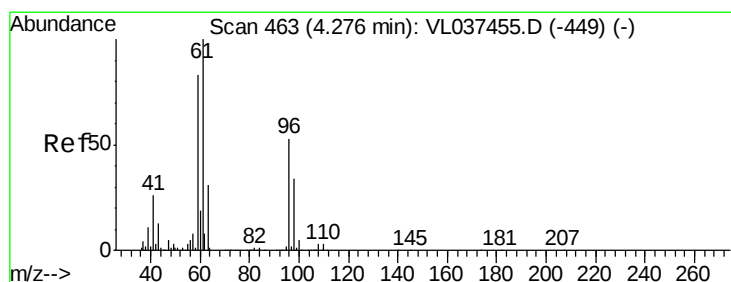
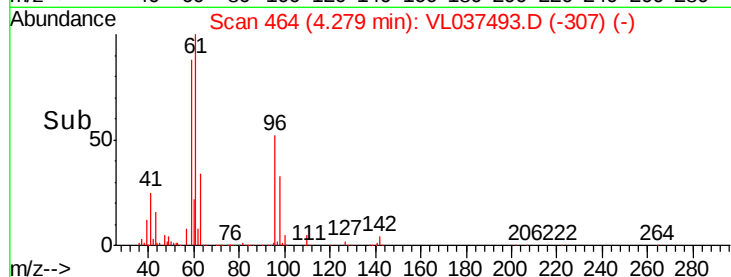
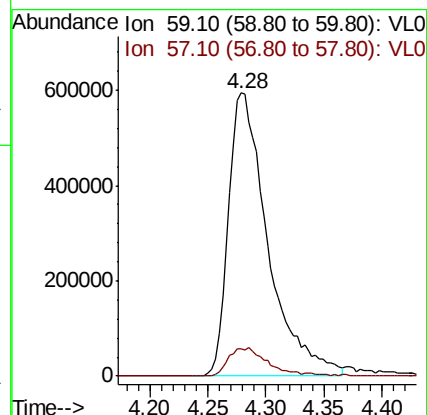
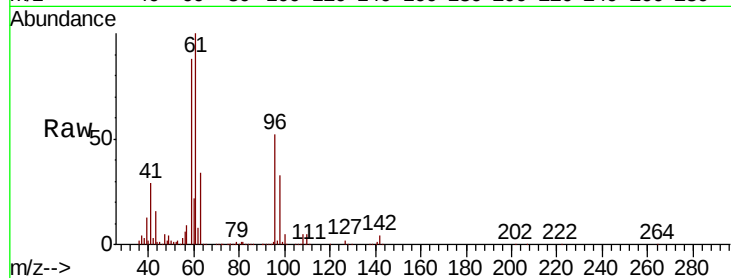


#17

tert-Butyl alcohol
Concen: 10.452 ppbv
RT: 4.28 min Scan# 464
Delta R.T. 0.01 min
Lab File: VL037493.D
Acq: 18 Aug 2021 16:18

Instrument :
MSVOA_L
ClientSampleId :

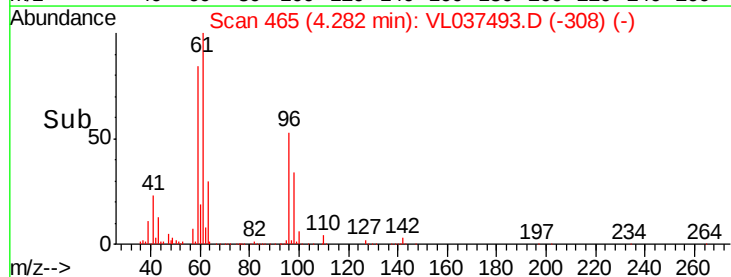
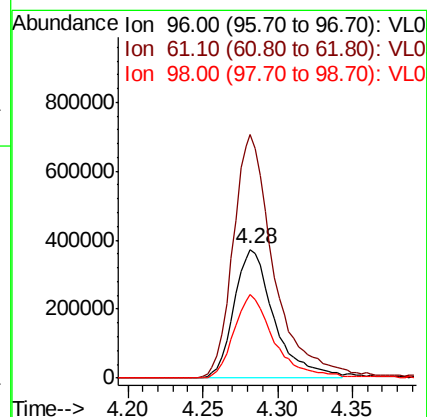
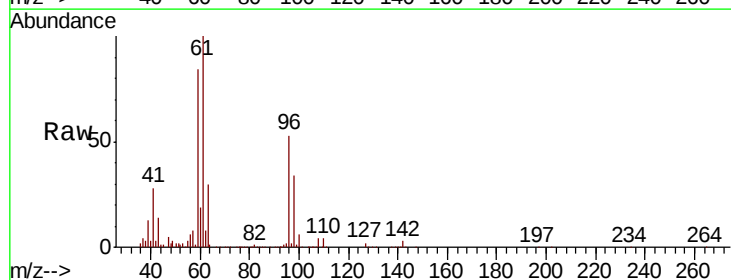
Tot Ion: 59 Resp: 1401046
Ion Ratio Lower Upper
59 100
57 10.6 8.3 12.5

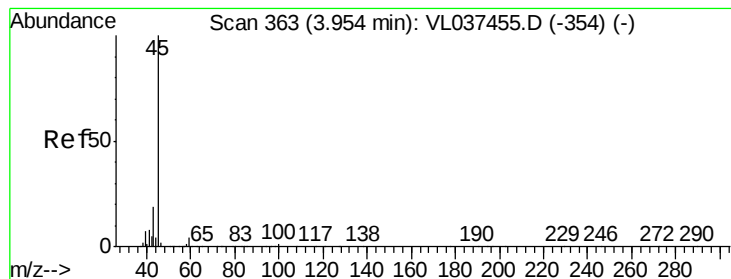


#18

1,1-Dichloroethene
Concen: 9.651 ppbv
RT: 4.28 min Scan# 465
Delta R.T. 0.01 min
Lab File: VL037493.D
Acq: 18 Aug 2021 16:18

Tgt Ion: 96 Resp: 698642
Ion Ratio Lower Upper
96 100
61 188.8 151.1 226.7
98 64.5 51.8 77.8





#19

Isopropyl Alcohol

Concen: 9.817 ppbv

RT: 3.96 min Scan# 366

Delta R.T. 0.01 min

Lab File: VL037493.D

Acq: 18 Aug 2021 16:18

Instrument :

MSVOA_L

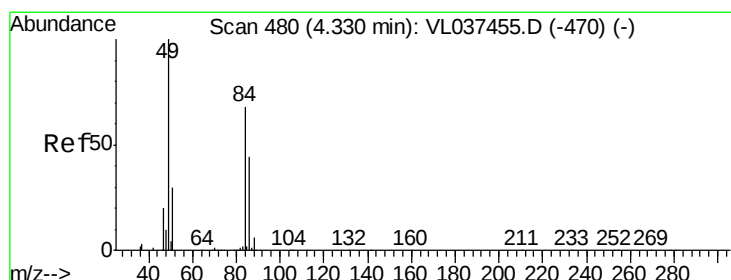
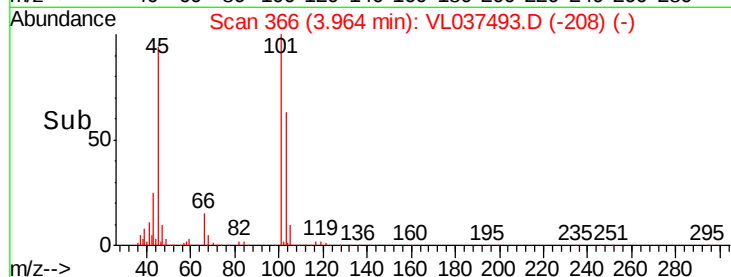
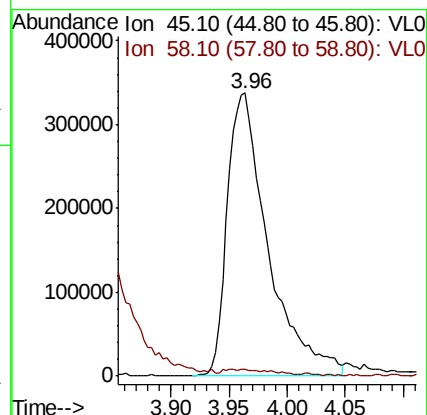
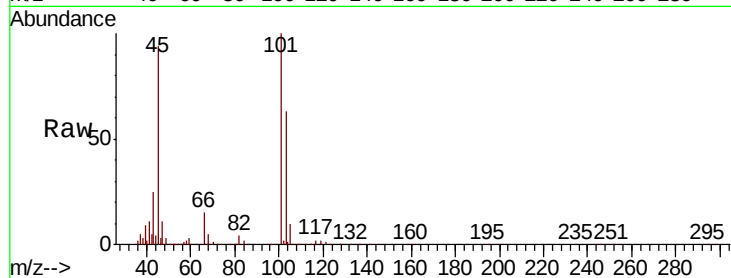
ClientSampleId :

Tot Ion: 45 Resp: 825307

Ion Ratio Lower Upper

45 100

58 2.2 1.4 2.2#



#20

Methylene Chloride

Concen: 7.979 ppbv

RT: 4.33 min Scan# 481

Delta R.T. 0.00 min

Lab File: VL037493.D

Acq: 18 Aug 2021 16:18

Tgt Ion: 84 Resp: 586200

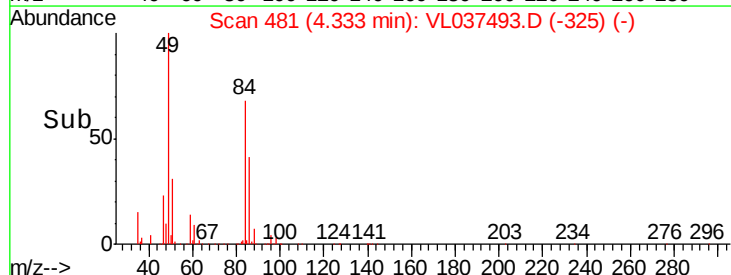
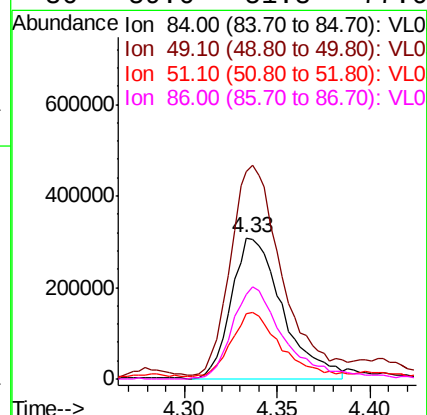
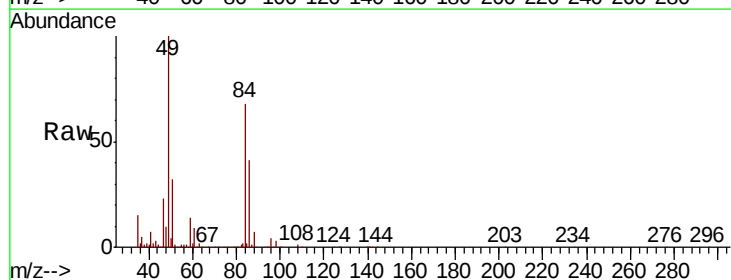
Ion Ratio Lower Upper

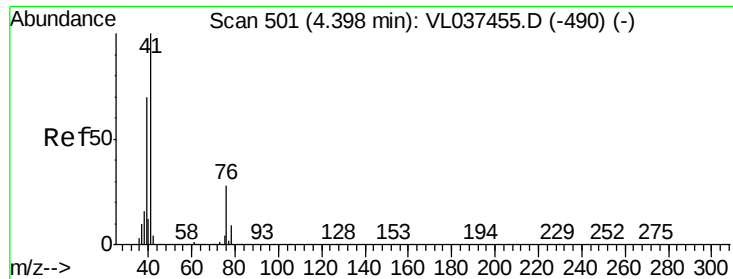
84 100

49 144.9 118.2 177.2

51 45.0 36.6 55.0

86 59.6 51.8 77.6

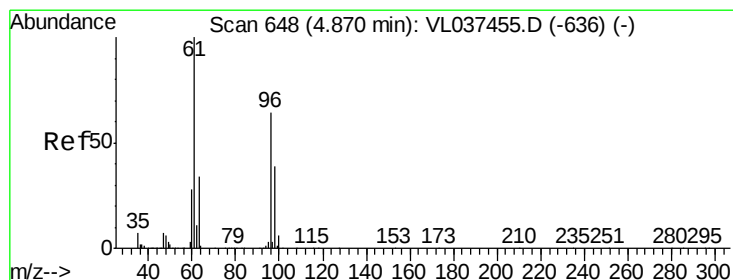
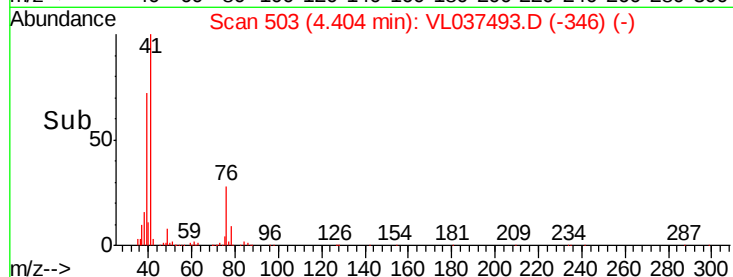
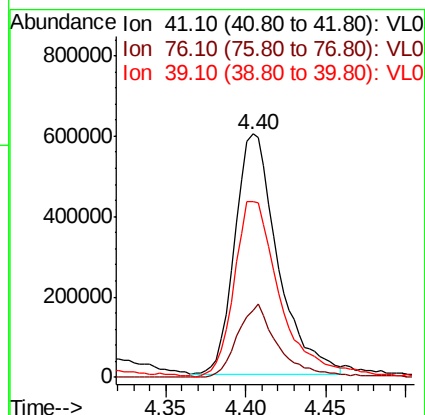
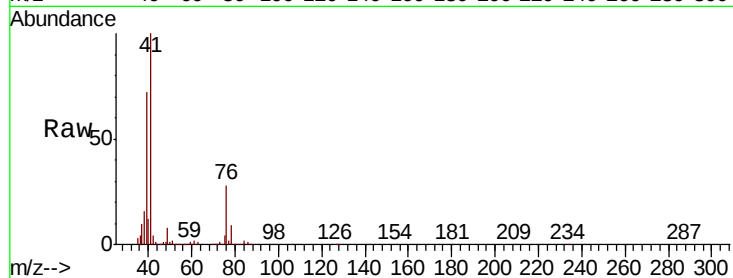




#21
 Allvl Chloride
 Concen: 9.138 ppbv
 RT: 4.40 min Scan# 503
 Delta R.T. 0.01 min
 Lab File: VL037493.D
 Acq: 18 Aug 2021 16:18

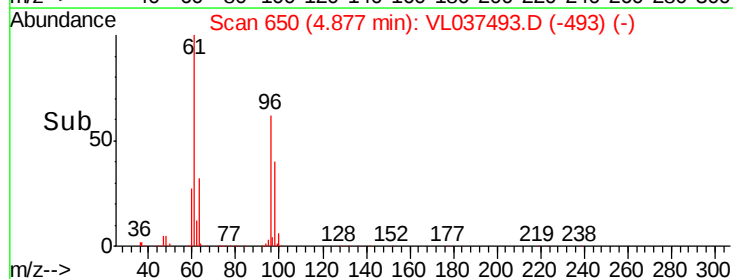
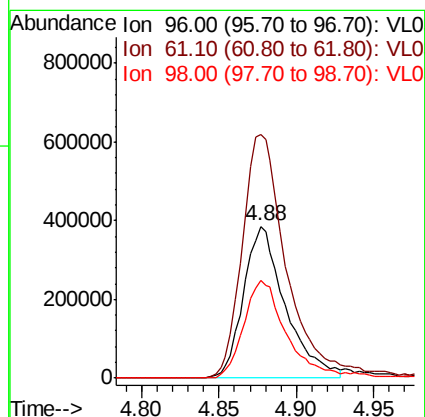
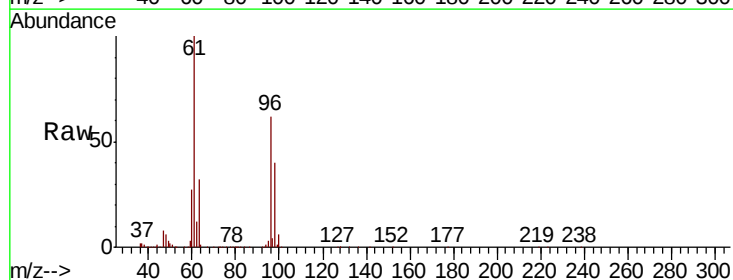
Instrument :
 MSVOA_L
 ClientSampleId :

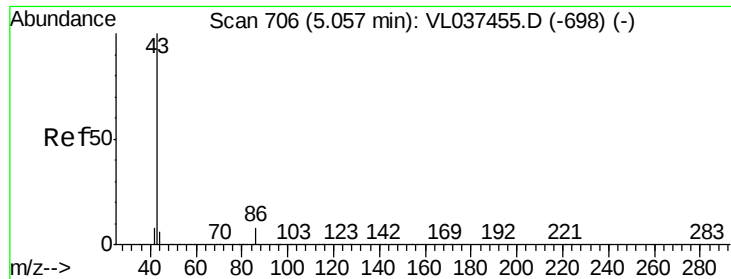
Tot Ion: 41 Resp: 1089138
 Ion Ratio Lower Upper
 41 100
 76 29.5 21.8 32.6
 39 77.4 56.8 85.2



#22
 trans-1,2-Dichloroethene
 Concen: 10.062 ppbv
 RT: 4.88 min Scan# 650
 Delta R.T. 0.01 min
 Lab File: VL037493.D
 Acq: 18 Aug 2021 16:18

Tgt Ion: 96 Resp: 726697
 Ion Ratio Lower Upper
 96 100
 61 160.6 125.5 188.3
 98 64.6 49.0 73.4



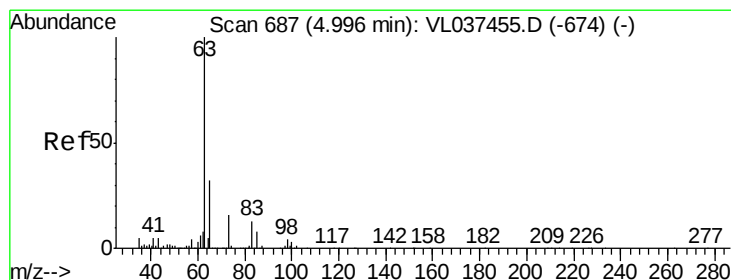
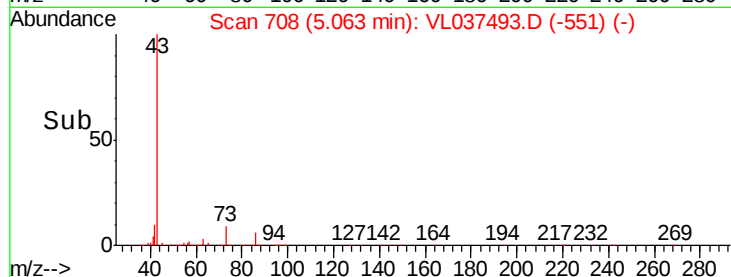
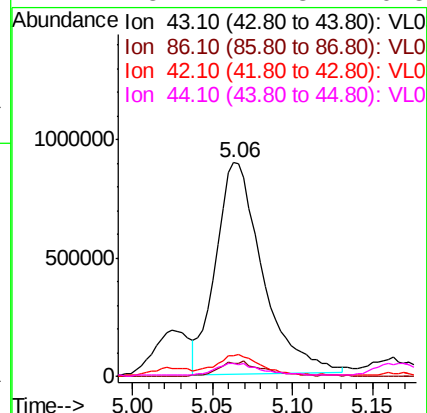
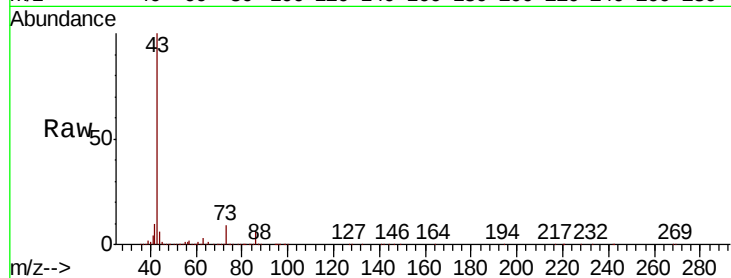


#23
 Vinyl Acetate
 Concen: 8.281 ppbv
 RT: 5.06 min Scan# 708
 Delta R.T. 0.01 min
 Lab File: VL037493.D
 Acq: 18 Aug 2021 16:18

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 43 Resp: 1791048

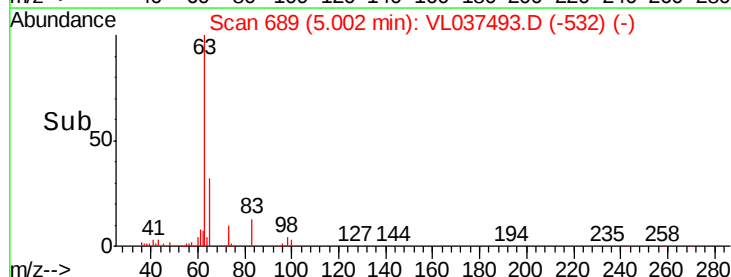
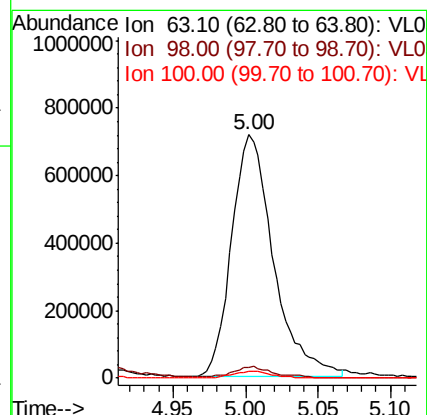
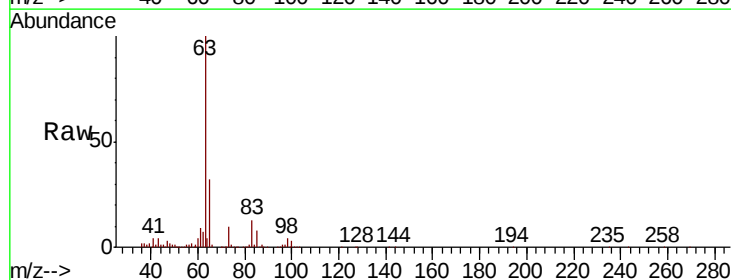
Ion	Ratio	Lower	Upper
43	100		
86	6.6	5.7	8.5
42	9.6	7.4	11.2
44	5.7	4.3	6.5

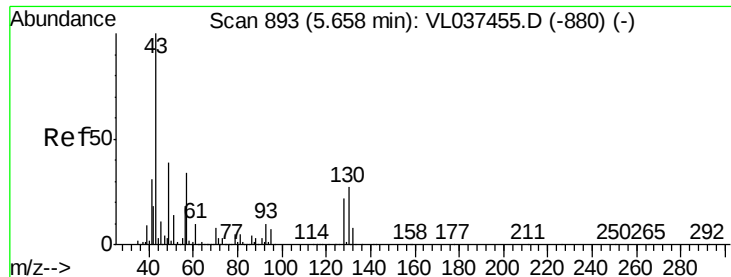


#24
 1,1-Dichloroethane
 Concen: 9.168 ppbv
 RT: 5.00 min Scan# 689
 Delta R.T. 0.01 min
 Lab File: VL037493.D
 Acq: 18 Aug 2021 16:18

Tgt Ion: 63 Resp: 1438176

Ion	Ratio	Lower	Upper
63	100		
98	4.3	2.1	6.3
100	2.8	1.6	4.7

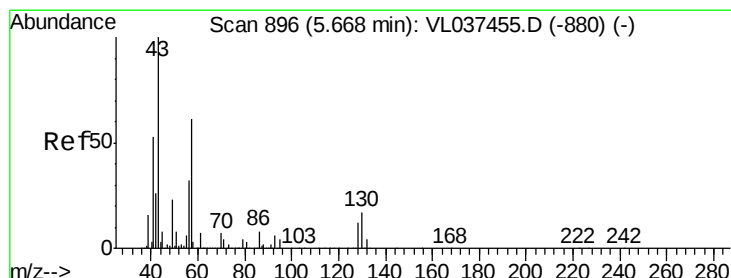
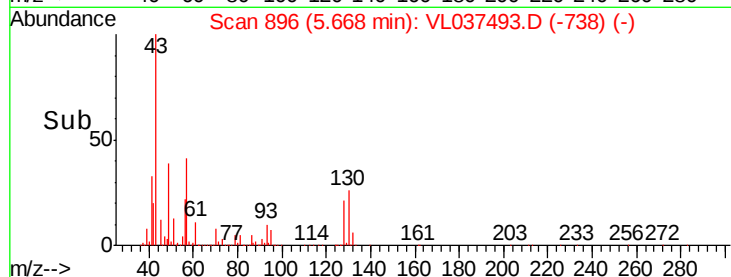
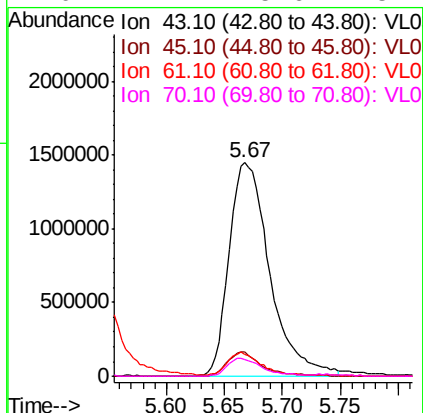
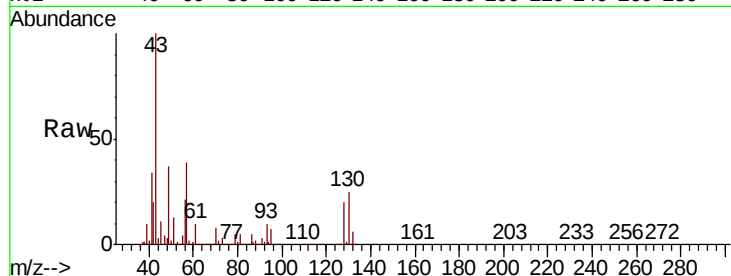




#25
Ethyl Acetate
Concen: 9.423 ppbv
RT: 5.67 min Scan# 896
Delta R.T. 0.01 min
Lab File: VL037493.D
Acq: 18 Aug 2021 16:18

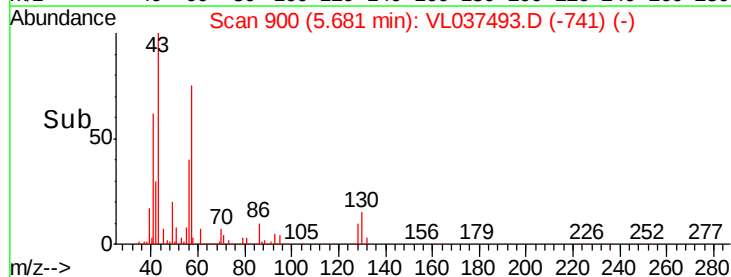
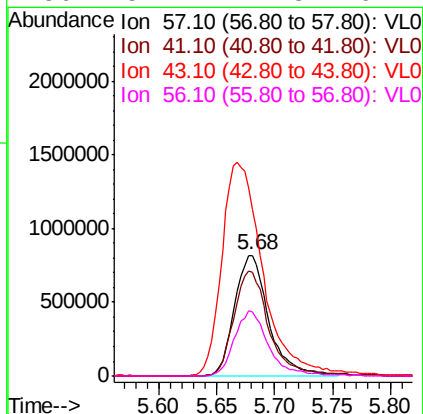
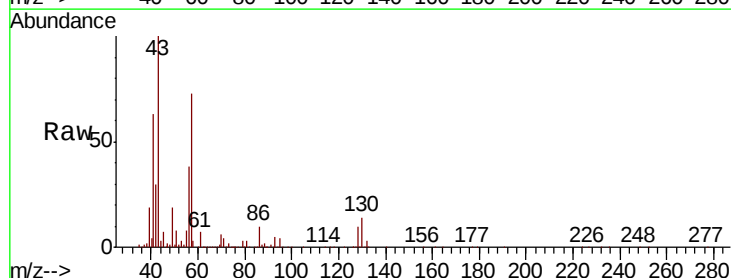
Instrument :
MSVOA_L
ClientSampleId :

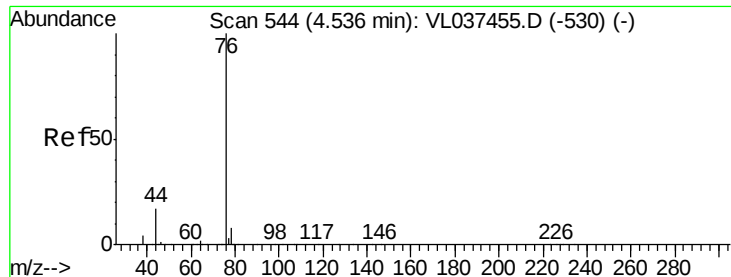
Tot Ion:	43	Resp:	3510289
Ion	Ratio	Lower	Upper
43	100		
45	10.0	8.0	12.0
61	9.7	8.0	12.0
70	7.1	5.6	8.4



#26
Hexane
Concen: 9.203 ppbv
RT: 5.68 min Scan# 900
Delta R.T. 0.01 min
Lab File: VL037493.D
Acq: 18 Aug 2021 16:18

Tgt Ion:	57	Resp:	1676208
Ion	Ratio	Lower	Upper
57	100		
41	90.3	72.3	108.5
43	214.2	172.3	258.5
56	54.4	42.8	64.2





#27

Carbon Disulfide

Concen: 10.710 ppbv

RT: 4.54 min Scan# 546

Delta R.T. 0.01 min

Lab File: VL037493.D

Acq: 18 Aug 2021 16:18

Instrument :

MSVOA_L

ClientSampleId :

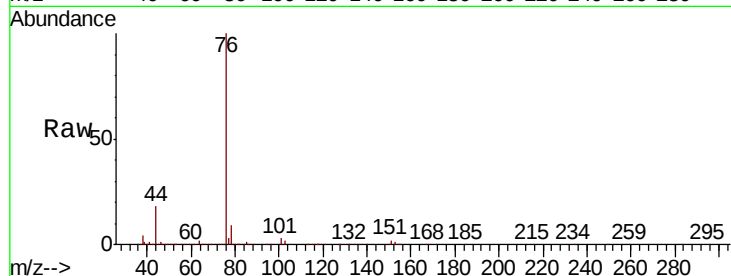
Tot Ion: 76 Resp: 1738433

Ion Ratio Lower Upper

76 100

44 17.7 13.9 20.9

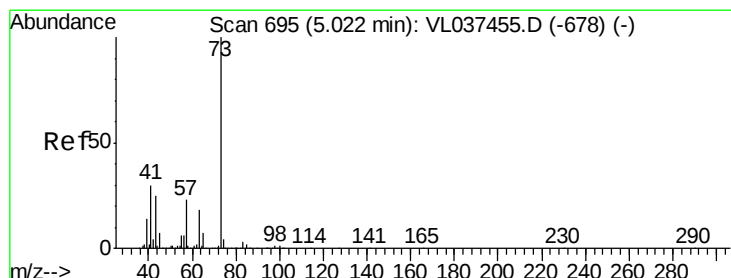
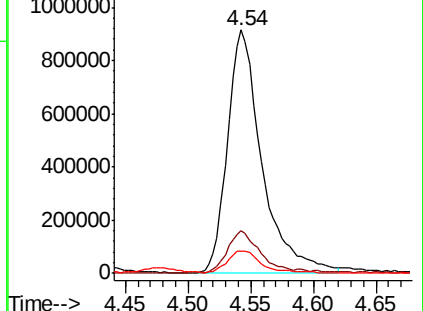
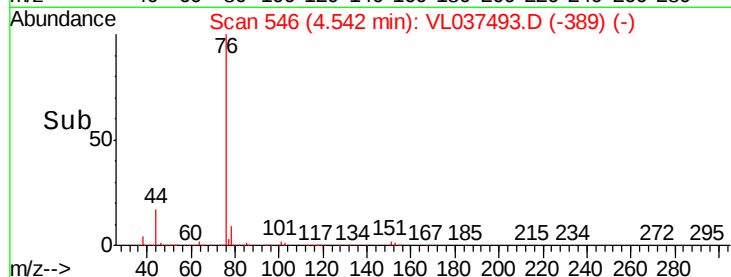
78 9.7 7.9 11.9



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: 8.214 ppbv

RT: 5.02 min Scan# 696

Delta R.T. 0.00 min

Lab File: VL037493.D

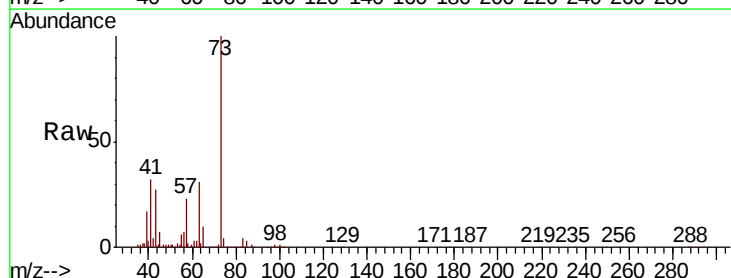
Acq: 18 Aug 2021 16:18

Tgt Ion: 73 Resp: 1436856

Ion Ratio Lower Upper

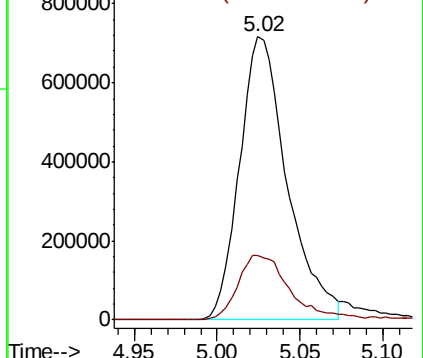
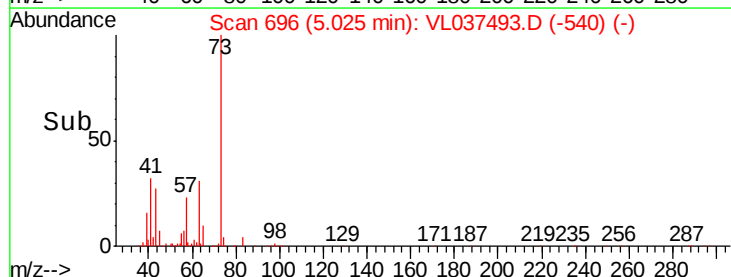
73 100

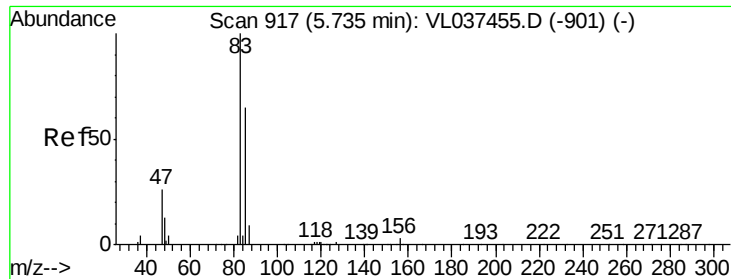
57 25.5 19.4 29.2



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

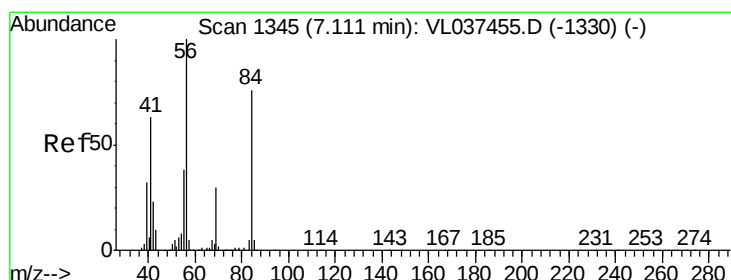
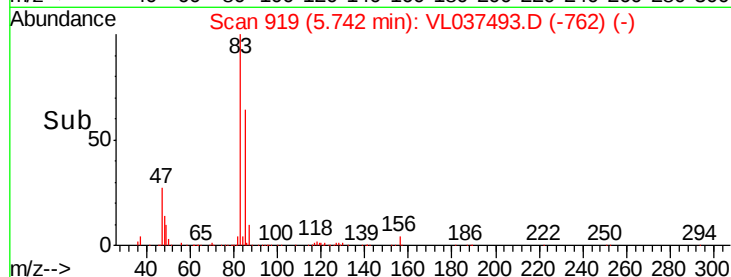
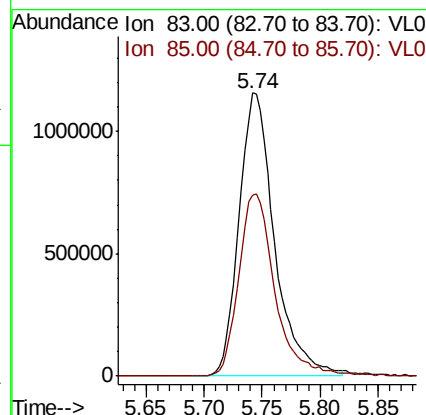
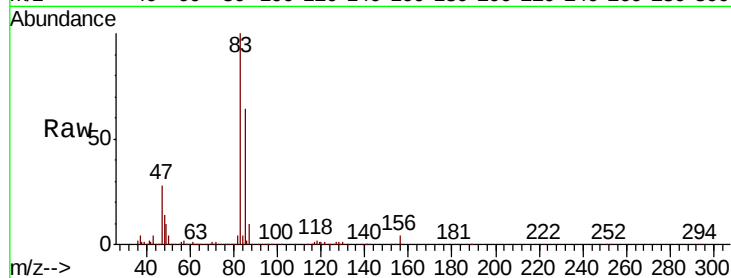




#29
Chloroform
Concen: 9.521 ppbv
RT: 5.74 min Scan# 919
Delta R.T. 0.01 min
Lab File: VL037493.D
Acq: 18 Aug 2021 16:18

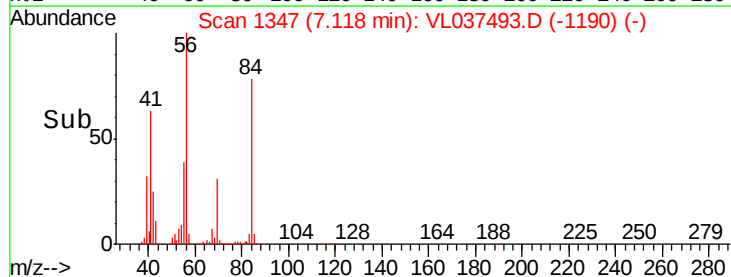
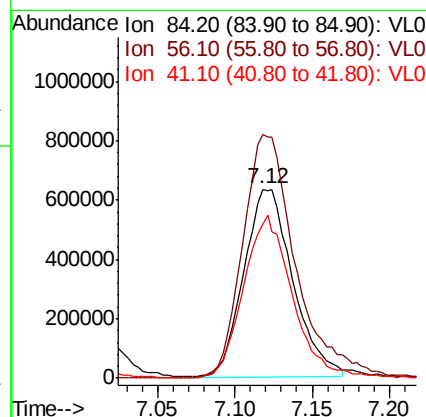
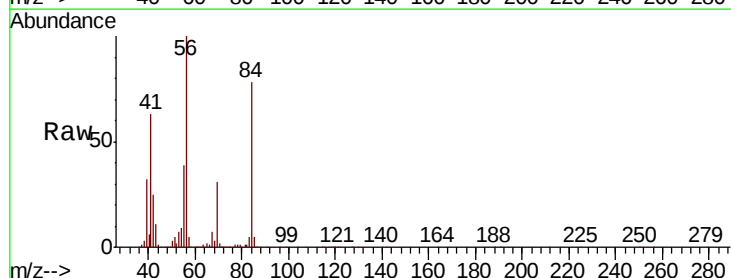
Instrument :
MSVOA_L
ClientSampleId :

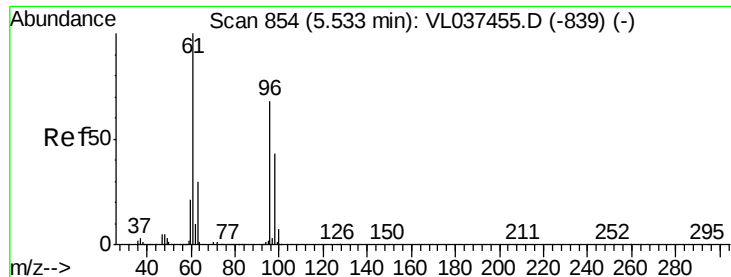
Tot Ion: 83 Resp: 2457581
Ion Ratio Lower Upper
83 100
85 63.9 52.3 78.5



#30
Cyclohexane
Concen: 9.218 ppbv
RT: 7.12 min Scan# 1347
Delta R.T. 0.01 min
Lab File: VL037493.D
Acq: 18 Aug 2021 16:18

Tgt Ion: 84 Resp: 1398849
Ion Ratio Lower Upper
84 100
56 141.0 110.6 165.8
41 85.4 67.0 100.6

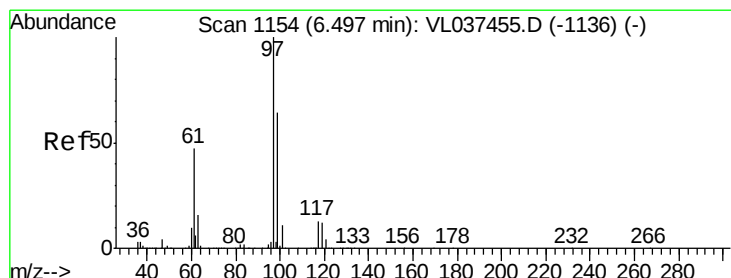
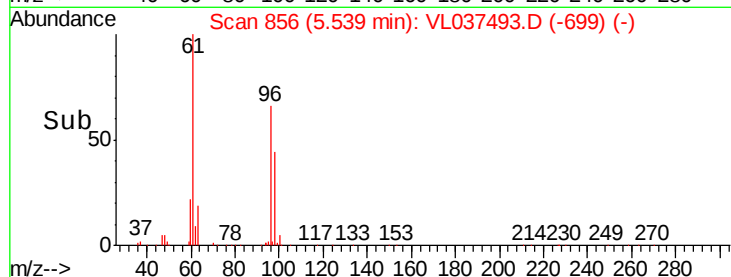
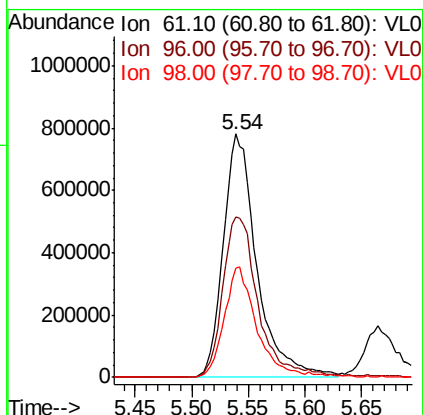
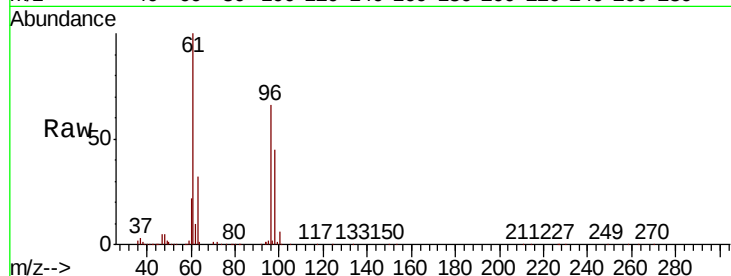




#31
 cis-1,2-Dichloroethene
 Concen: 9.731 ppbv
 RT: 5.54 min Scan# 856
 Delta R.T. 0.01 min
 Lab File: VL037493.D
 Acq: 18 Aug 2021 16:18

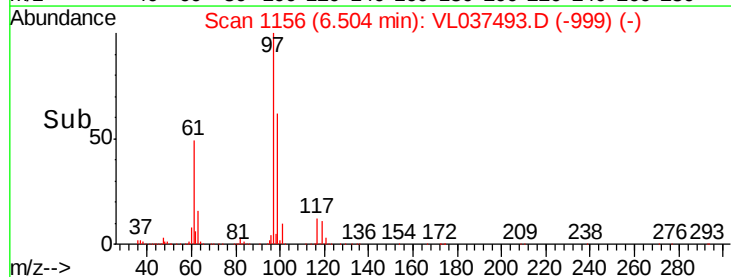
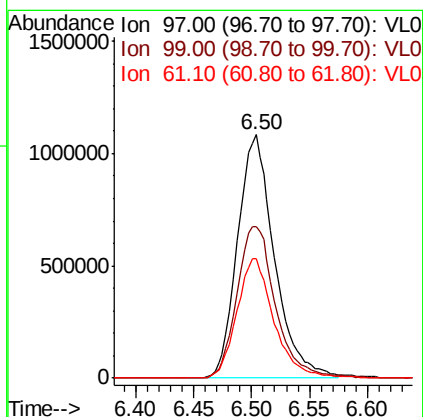
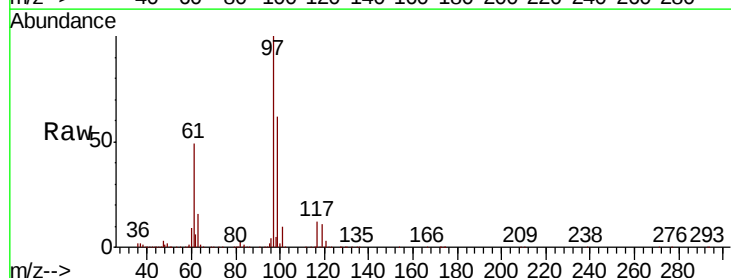
Instrument :
 MSVOA_L
 ClientSampled :

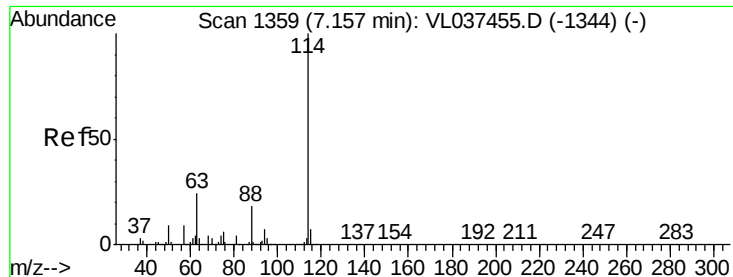
Tot Ion: 61 Resp: 1604095
 Ion Ratio Lower Upper
 61 100
 96 65.7 54.8 82.2
 98 44.6 34.2 51.2



#32
 1,1,1-Trichloroethane
 Concen: 9.455 ppbv
 RT: 6.50 min Scan# 1156
 Delta R.T. 0.01 min
 Lab File: VL037493.D
 Acq: 18 Aug 2021 16:18

Tgt Ion: 97 Resp: 2397835
 Ion Ratio Lower Upper
 97 100
 99 65.3 51.8 77.6
 61 49.6 39.6 59.4

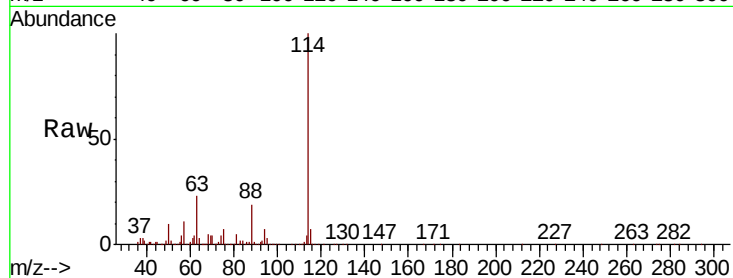




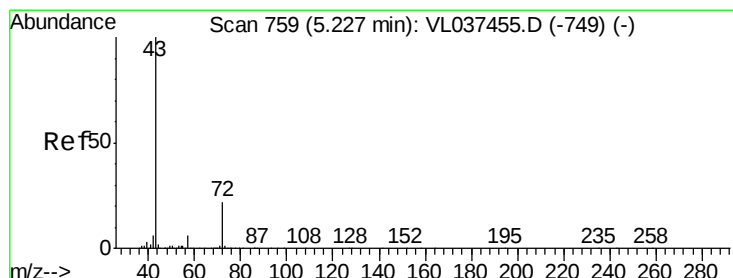
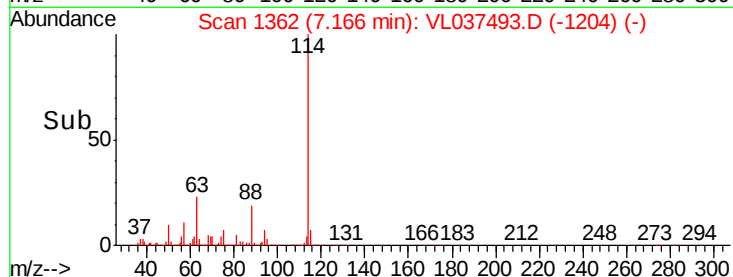
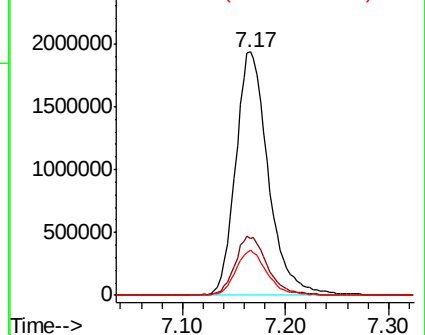
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1362
 Delta R.T. 0.01 min
 Lab File: VL037493.D
 Acq: 18 Aug 2021 16:18

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:114 Resp: 4272192
 Ion Ratio Lower Upper
 114 100
 63 24.3 19.3 28.9
 88 17.9 14.2 21.4

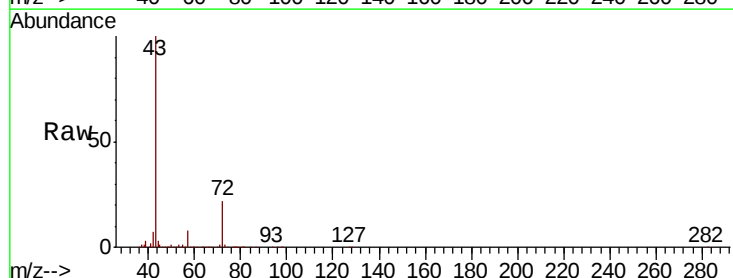


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

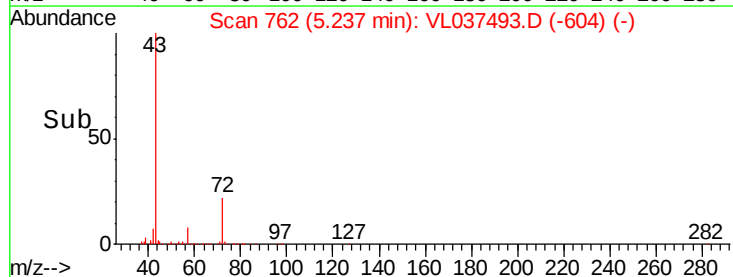
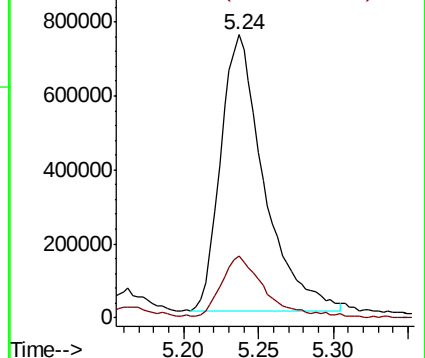


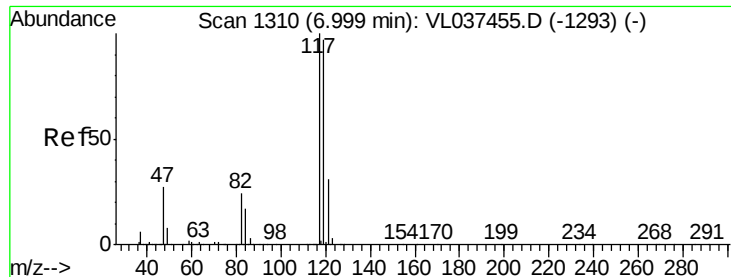
#34
 2-Butanone
 Concen: 8.622 ppbv
 RT: 5.24 min Scan# 762
 Delta R.T. 0.01 min
 Lab File: VL037493.D
 Acq: 18 Aug 2021 16:18

Tgt Ion: 43 Resp: 1504178
 Ion Ratio Lower Upper
 43 100
 72 23.4 17.4 26.0



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

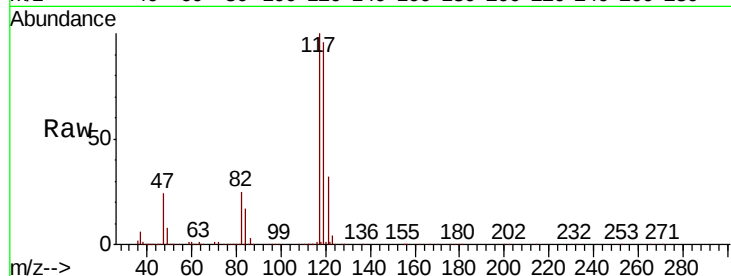




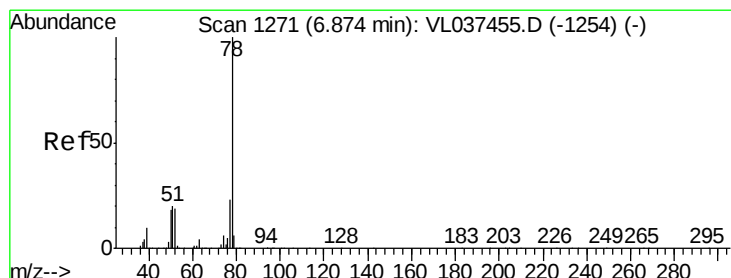
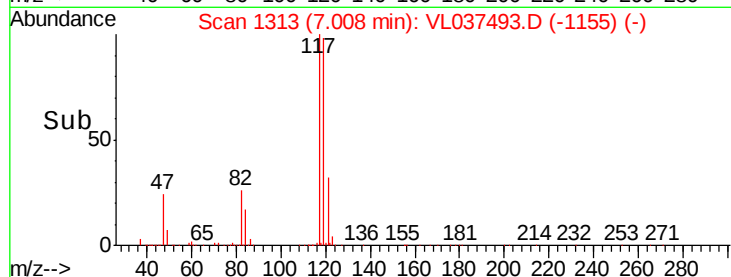
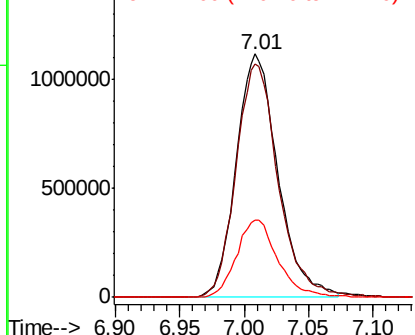
#35
Carbon Tetrachloride
Concen: 9.937 ppbv
RT: 7.01 min Scan# 1313
Delta R.T. 0.01 min
Lab File: VL037493.D
Acq: 18 Aug 2021 16:18

Instrument :
MSVOA_L
ClientSampled :

Tot Ion:117 Resp: 2509001
Ion Ratio Lower Upper
117 100
119 95.7 77.3 115.9
121 31.6 25.2 37.8

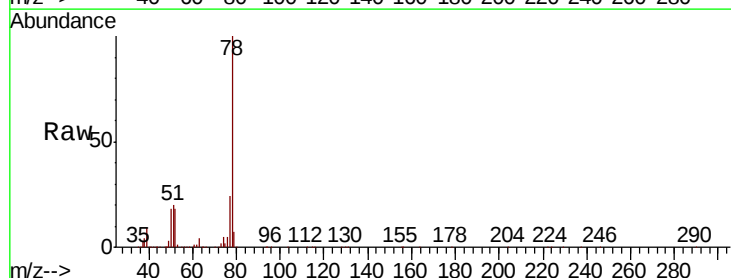


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

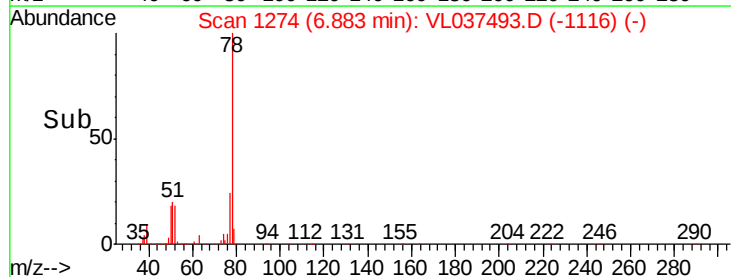
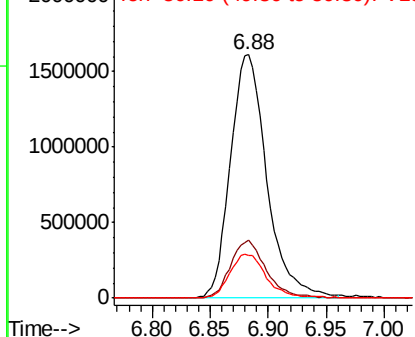


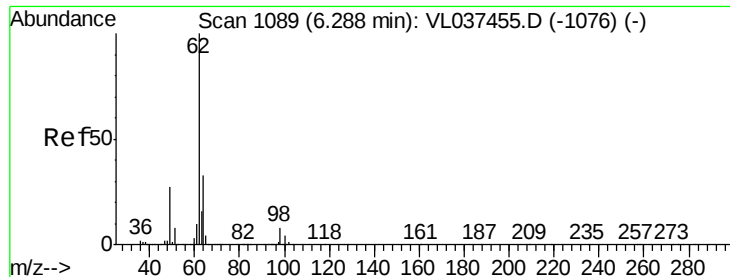
#36
Benzene
Concen: 9.762 ppbv
RT: 6.88 min Scan# 1274
Delta R.T. 0.01 min
Lab File: VL037493.D
Acq: 18 Aug 2021 16:18

Tgt Ion: 78 Resp: 3505784
Ion Ratio Lower Upper
78 100
77 23.6 18.2 27.4
50 17.7 14.6 21.8



Abundance Ion 78.10 (77.80 to 78.80): VL0
Ion 77.10 (76.80 to 77.80): VL0
Ion 50.10 (49.80 to 50.80): VL0

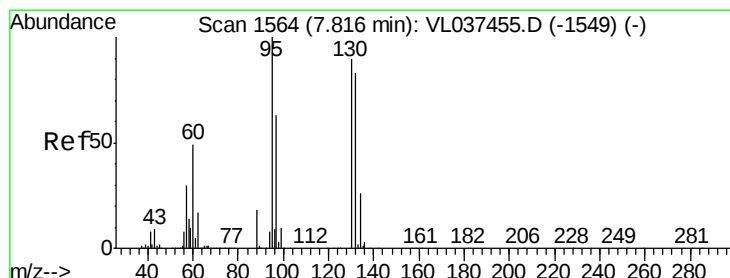
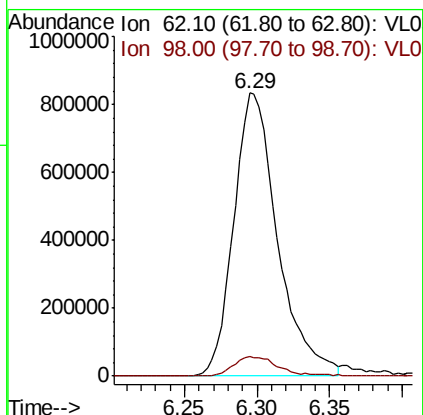
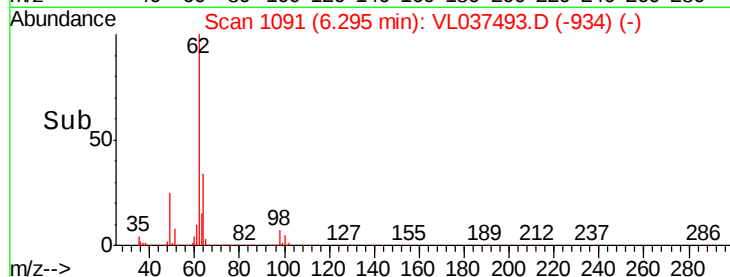
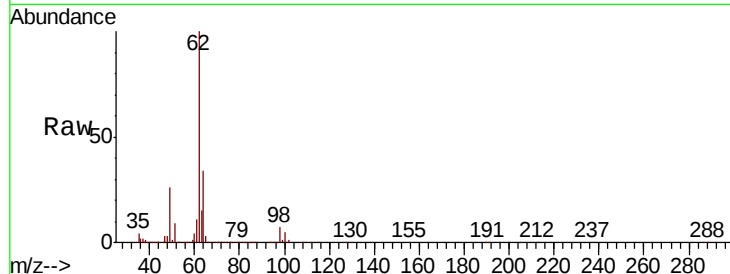




#37
 1,2-Dichloroethane
 Concen: 9.818 ppbv
 RT: 6.29 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VL037493.D
 Acq: 18 Aug 2021 16:18

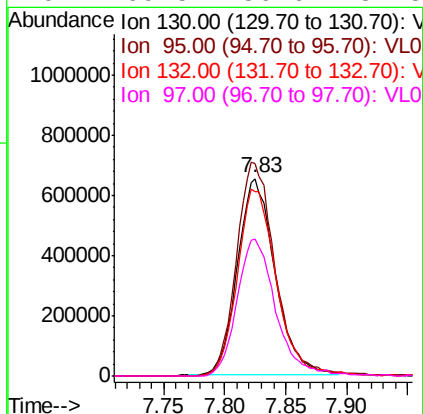
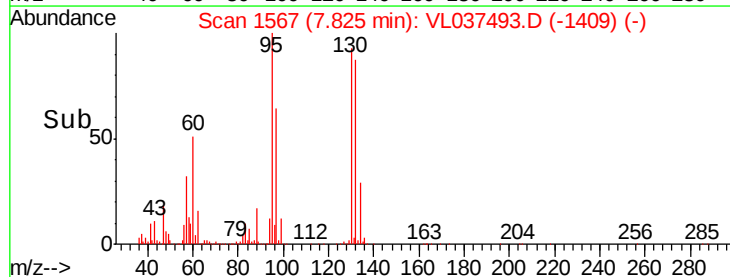
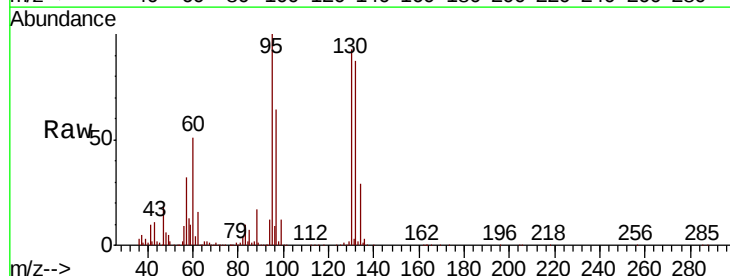
Instrument :
 MSVOA_L
 ClientSampleId :

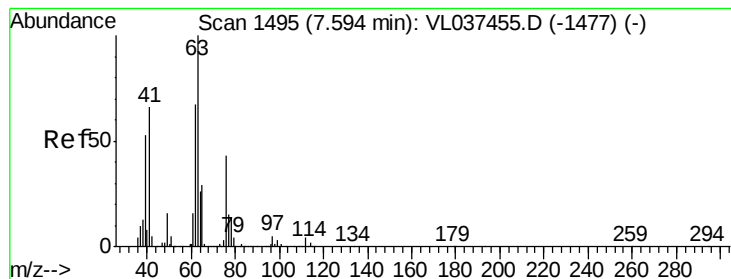
Tot Ion: 62 Resp: 1746496
 Ion Ratio Lower Upper
 62 100
 98 7.4 6.0 9.0



#38
 Trichloroethene
 Concen: 9.463 ppbv
 RT: 7.83 min Scan# 1567
 Delta R.T. 0.01 min
 Lab File: VL037493.D
 Acq: 18 Aug 2021 16:18

Tgt Ion:130 Resp: 1394352
 Ion Ratio Lower Upper
 130 100
 95 108.1 89.2 133.8
 132 93.7 74.0 111.0
 97 69.5 56.6 84.8





#39

1,2-Dichloropropane

Concen: 9.708 ppbv

RT: 7.60 min Scan# 1497

Delta R.T. 0.01 min

Lab File: VL037493.D

Acq: 18 Aug 2021 16:18

Instrument :

MSVOA_L

ClientSampleId :

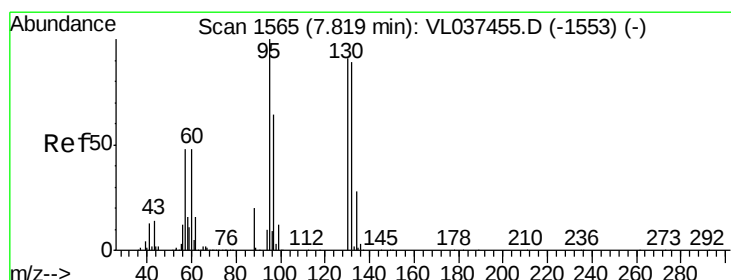
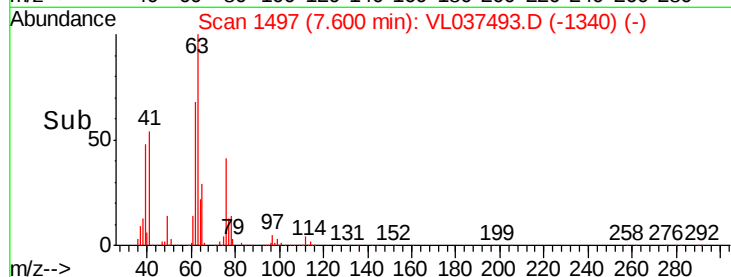
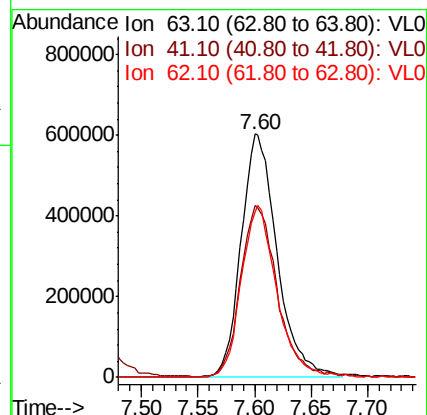
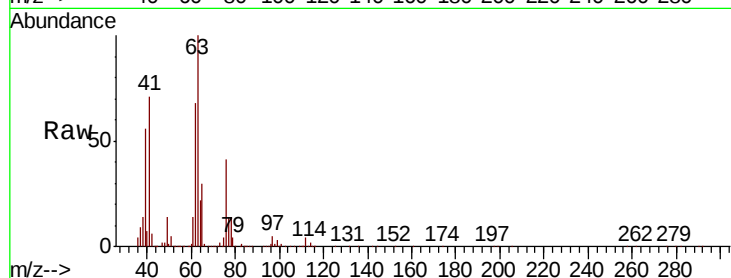
Tot Ion: 63 Resp: 1339715

Ion Ratio Lower Upper

63 100

41 70.3 52.4 78.6

62 67.9 53.6 80.4



#40

1,4-Dioxane

Concen: 9.787 ppbv

RT: 7.83 min Scan# 1568

Delta R.T. 0.01 min

Lab File: VL037493.D

Acq: 18 Aug 2021 16:18

Tgt Ion: 88 Resp: 330878

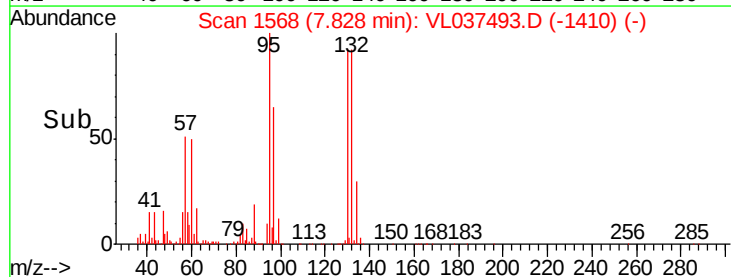
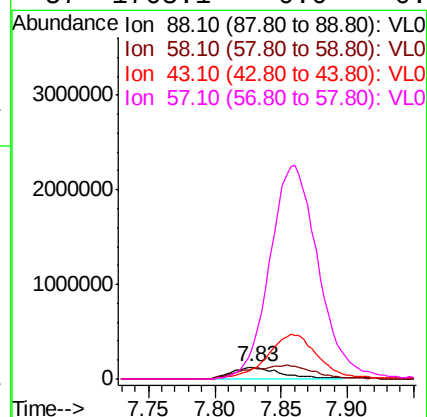
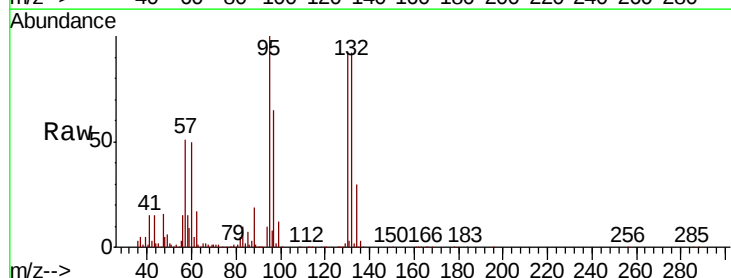
Ion Ratio Lower Upper

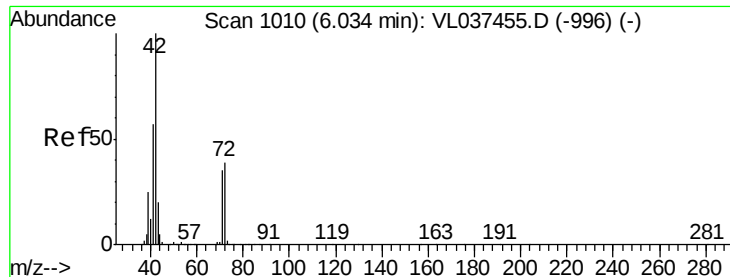
88 100

58 160.2 0.0 0.0#

43 389.3 0.0 0.0#

57 1763.1 0.0 0.0#





#41

Tetrahydrofuran

Concen: 9.590 ppbv

RT: 6.04 min Scan# 1012

Delta R.T. 0.01 min

Lab File: VL037493.D

Acq: 18 Aug 2021 16:18

Instrument :

MSVOA_L

ClientSampleId :

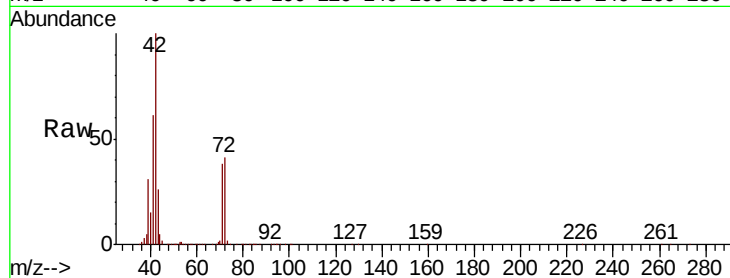
Tot Ion: 42 Resp: 805917

Ion Ratio Lower Upper

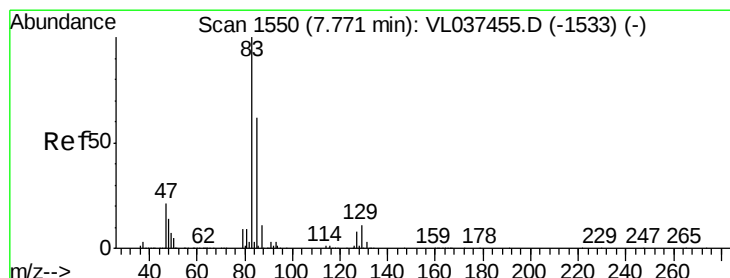
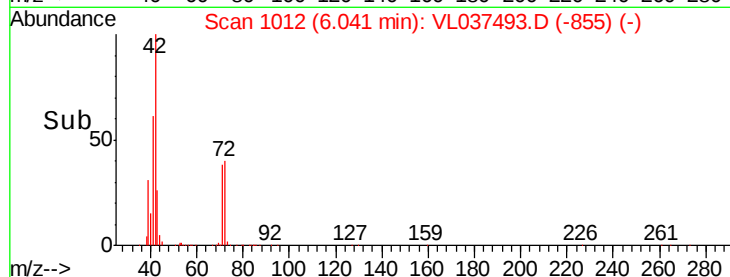
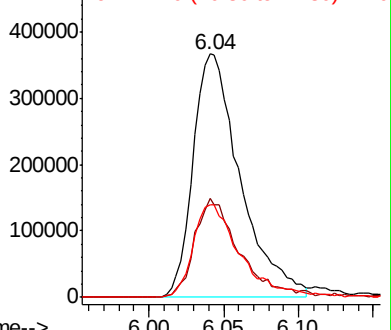
42 100

72 39.8 32.2 48.4

71 38.6 30.5 45.7



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: 10.105 ppbv

RT: 7.78 min Scan# 1553

Delta R.T. 0.01 min

Lab File: VL037493.D

Acq: 18 Aug 2021 16:18

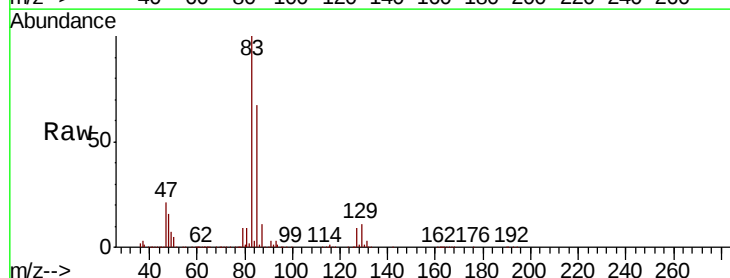
Tgt Ion: 83 Resp: 2628603

Ion Ratio Lower Upper

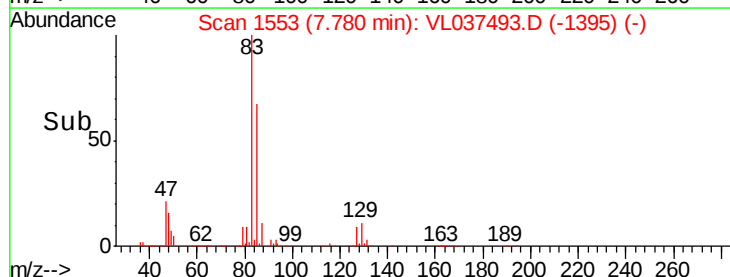
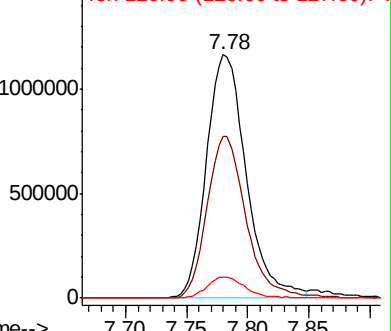
83 100

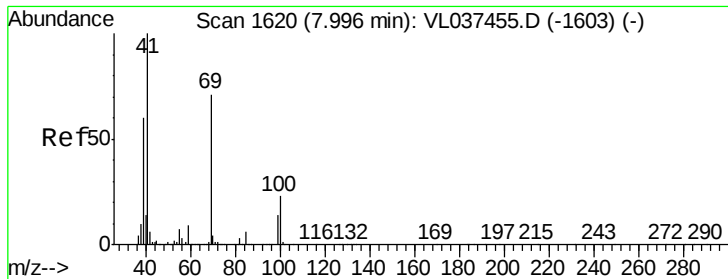
85 66.6 49.5 74.3

127 8.7 6.3 9.5



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

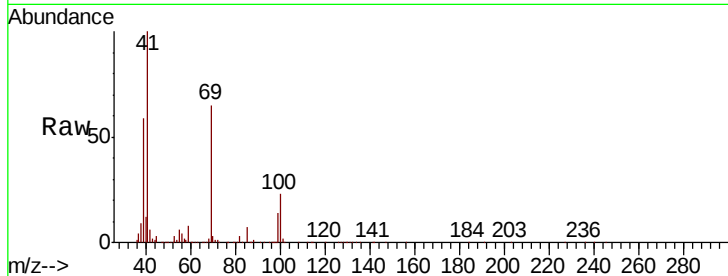




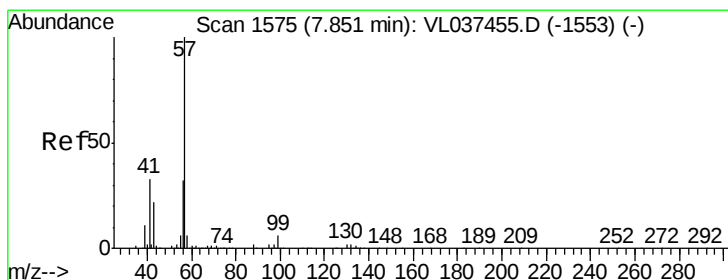
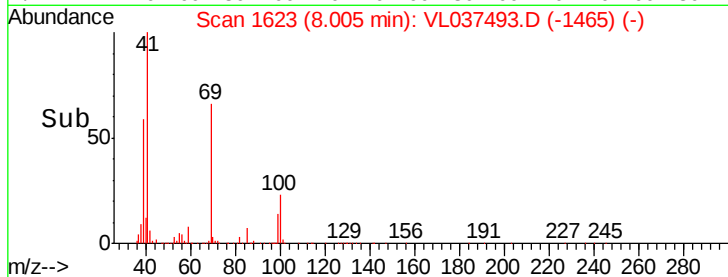
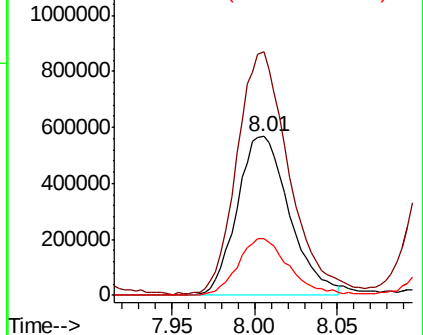
#43
Methyl Methacrylate
Concen: 9.934 ppbv
RT: 8.01 min Scan# 1623
Delta R.T. 0.01 min
Lab File: VL037493.D
Acq: 18 Aug 2021 16:18

Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 69 Resp: 1243458
Ion Ratio Lower Upper
69 100
41 153.5 118.6 178.0
100 35.1 27.4 41.0

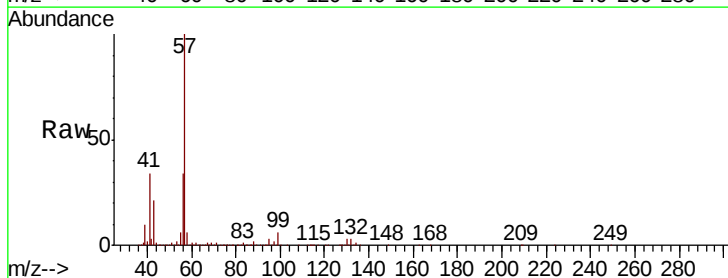


Abundance Ion 69.10 (68.80 to 69.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 100.10 (99.80 to 100.80): VL0

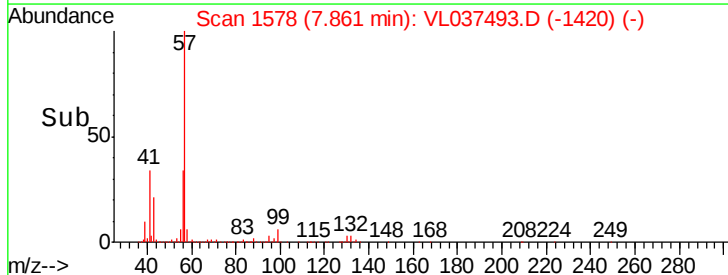
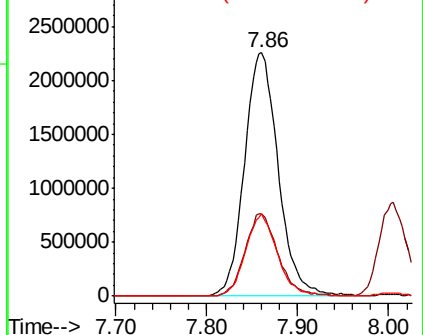


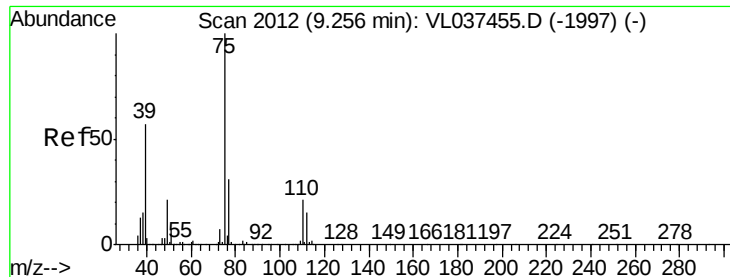
#44
2,2,4-Trimethylpentane
Concen: 9.616 ppbv
RT: 7.86 min Scan# 1578
Delta R.T. 0.01 min
Lab File: VL037493.D
Acq: 18 Aug 2021 16:18

Tgt Ion: 57 Resp: 5812223
Ion Ratio Lower Upper
57 100
41 33.0 26.2 39.4
56 31.7 25.4 38.2



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

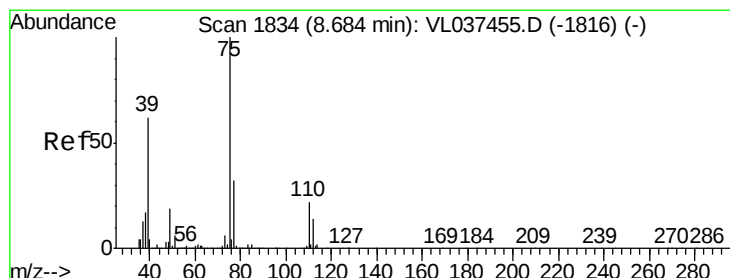
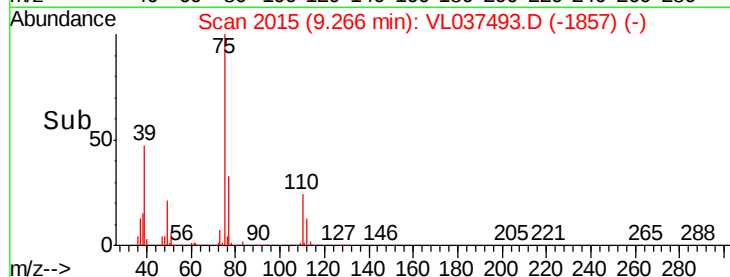
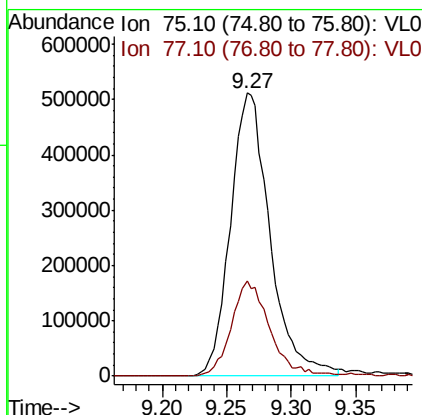
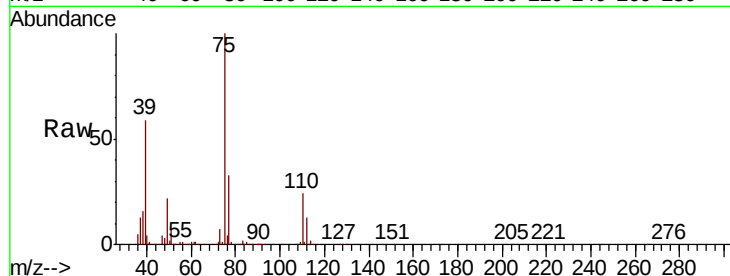




#45
t-1,3-Dichloropropene
Concen: 11.558 ppbv
RT: 9.27 min Scan# 2015
Delta R.T. 0.01 min
Lab File: VL037493.D
Acq: 18 Aug 2021 16:18

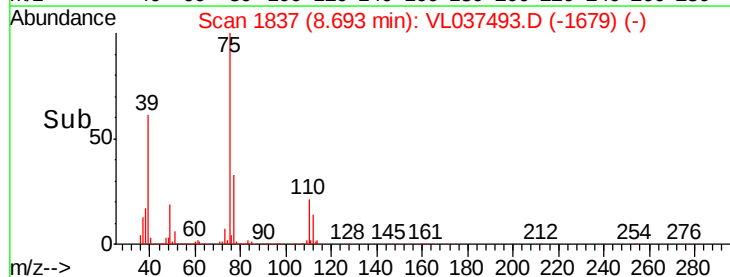
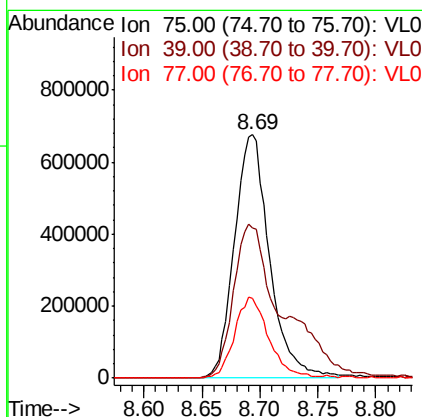
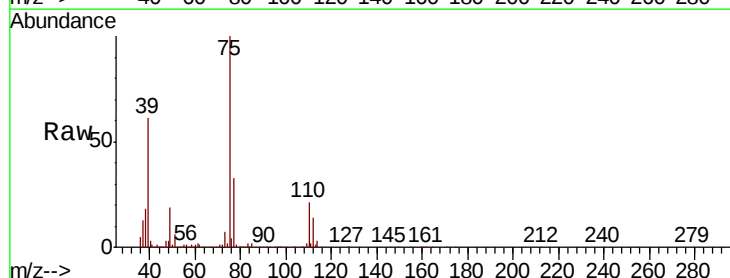
Instrument :
MSVOA_L
ClientSampled :

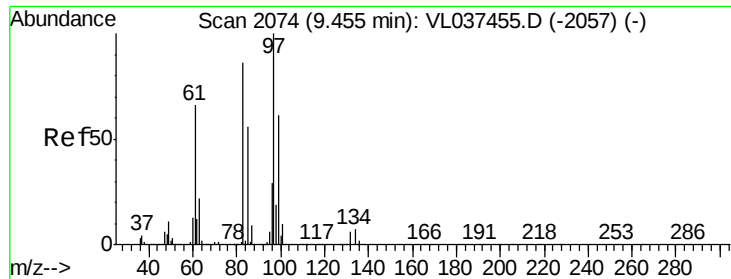
Tot Ion: 75 Resp: 1089114
Ion Ratio Lower Upper
75 100
77 33.4 24.5 36.7



#46
cis-1,3-Dichloropropene
Concen: 10.816 ppbv
RT: 8.69 min Scan# 1837
Delta R.T. 0.01 min
Lab File: VL037493.D
Acq: 18 Aug 2021 16:18

Tgt Ion: 75 Resp: 1421727
Ion Ratio Lower Upper
75 100
39 61.3 49.7 74.5
77 32.9 25.4 38.0



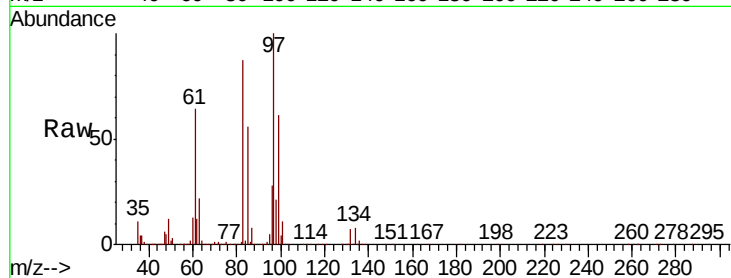


#47
 1,1,2-Trichloroethane
 Concen: 9.768 ppbv
 RT: 9.46 min Scan# 2077
 Delta R.T. 0.01 min
 Lab File: VL037493.D
 Acq: 18 Aug 2021 16:18

Instrument :
 MSVOA_L
 ClientSampled :

Tot Ion: 97 Resp: 1456549

Ion	Ratio	Lower	Upper
97	100		
83	87.3	68.7	103.1
85	56.3	44.7	67.1
99	61.1	48.6	72.8



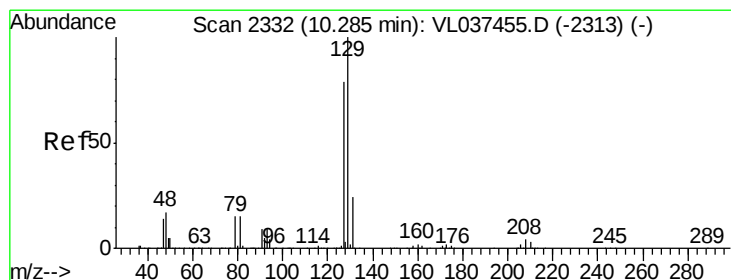
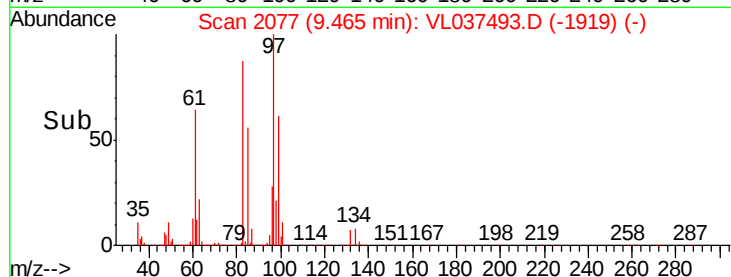
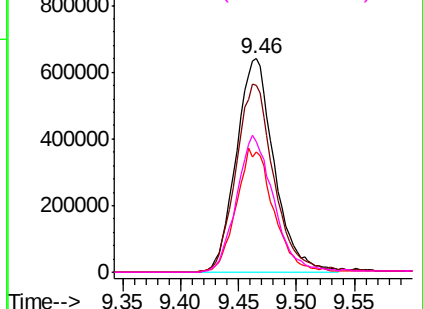
Abundance

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

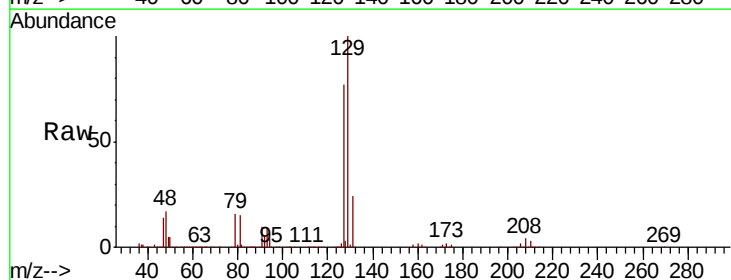
Ion 99.00 (98.70 to 99.70): VL0



#48
 Dibromochloromethane
 Concen: 10.703 ppbv
 RT: 10.29 min Scan# 2334
 Delta R.T. 0.01 min
 Lab File: VL037493.D
 Acq: 18 Aug 2021 16:18

Tgt Ion: 129 Resp: 2296688

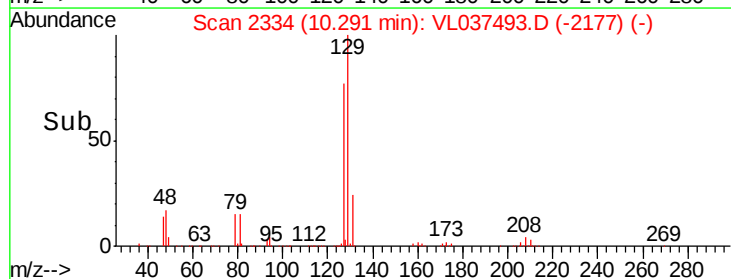
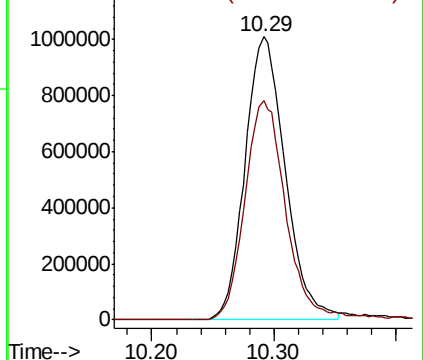
Ion	Ratio	Lower	Upper
129	100		
127	80.2	40.0	120.0

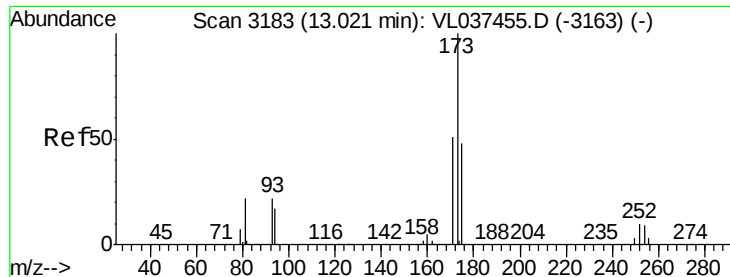


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 11.091 ppbv

RT: 13.03 min Scan# 3185

Delta R.T. 0.01 min

Lab File: VL037493.D

Acq: 18 Aug 2021 16:18

Instrument :

MSVOA_L

ClientSampleId :

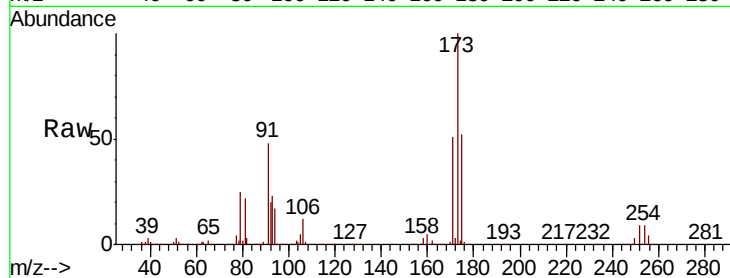
Tot Ion:173 Resp: 1875968

Ion Ratio Lower Upper

173 100

175 53.2 41.9 62.9

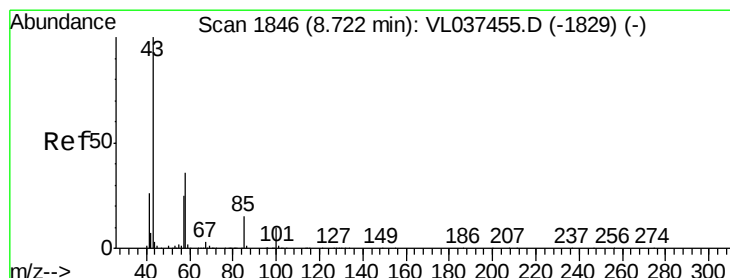
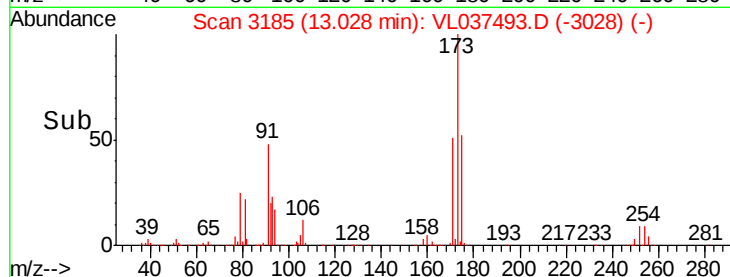
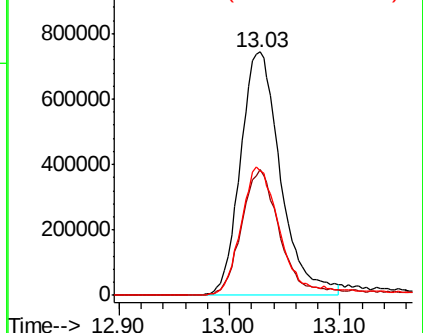
171 55.2 44.2 66.4



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 10.116 ppbv

RT: 8.73 min Scan# 1849

Delta R.T. 0.01 min

Lab File: VL037493.D

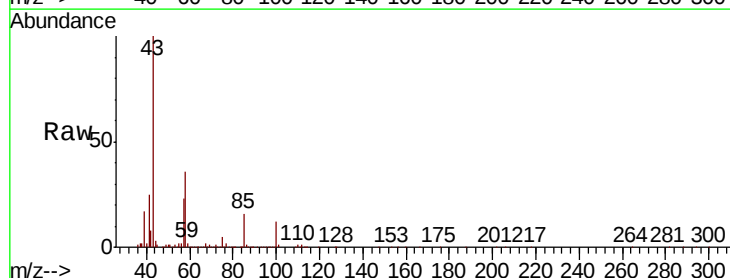
Acq: 18 Aug 2021 16:18

Tgt Ion: 43 Resp: 2302429

Ion Ratio Lower Upper

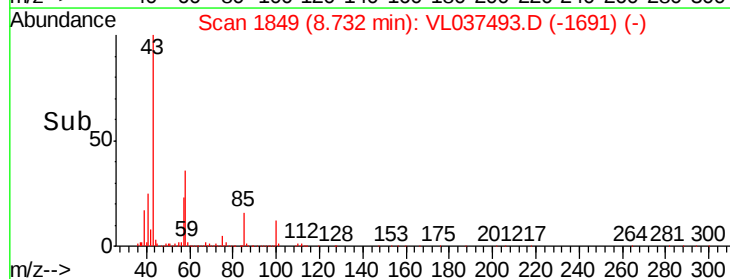
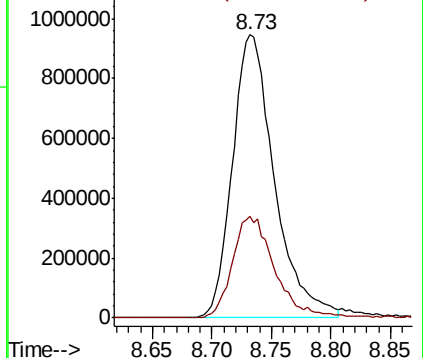
43 100

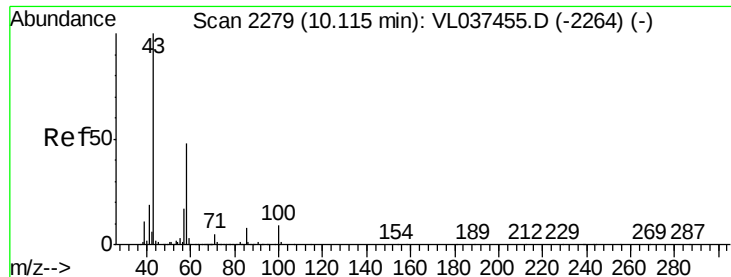
58 36.8 29.9 44.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

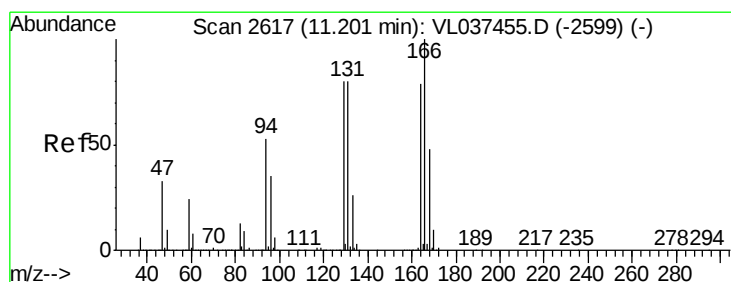
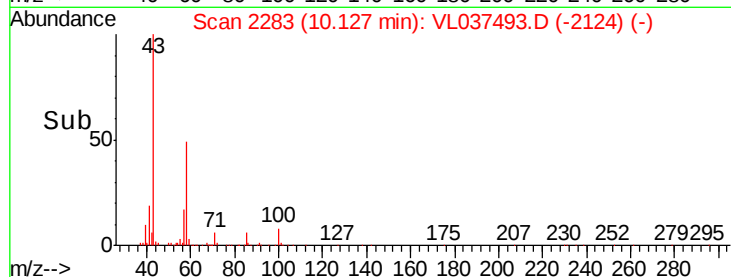
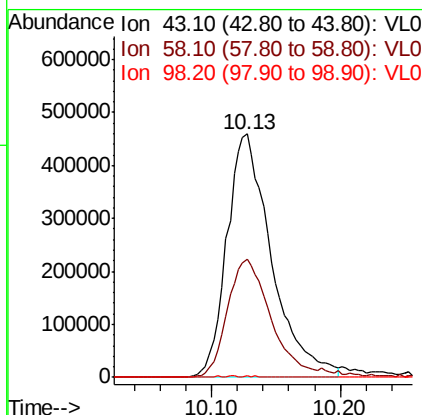
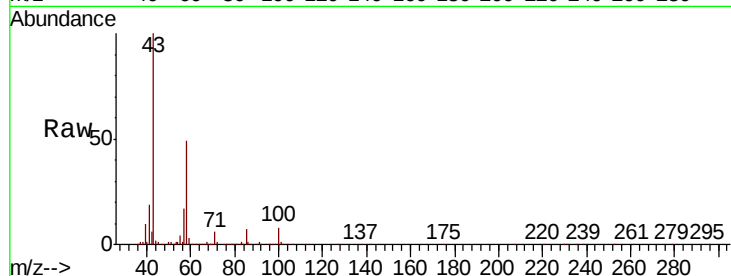




#51
2-Hexanone
Concen: 10.479 ppbv
RT: 10.13 min Scan# 2283
Delta R.T. 0.01 min
Lab File: VL037493.D
Acq: 18 Aug 2021 16:18

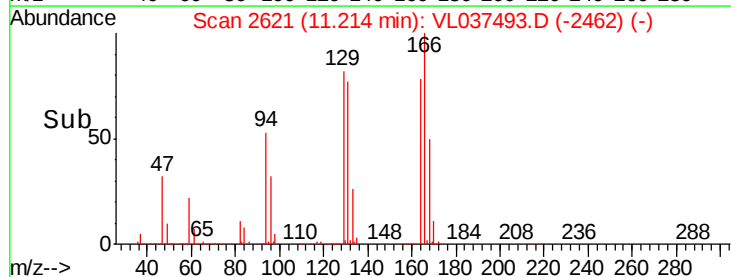
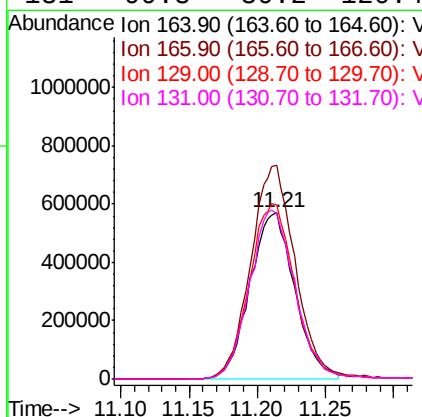
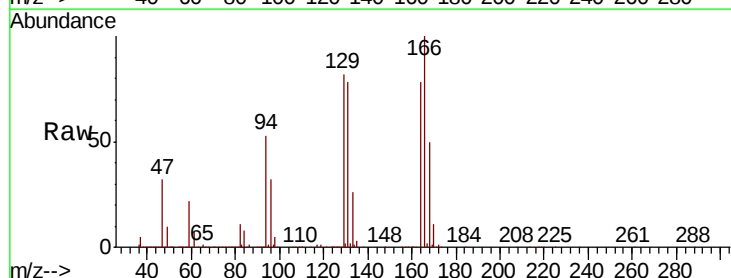
Instrument :
MSVOA_L
ClientSampleId :

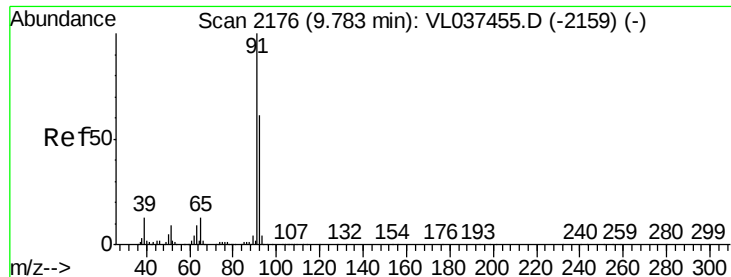
Tot Ion: 43 Resp: 1096987
Ion Ratio Lower Upper
43 100
58 50.0 41.0 61.6
98 0.6 0.3 0.5#



#52
Tetrachloroethene
Concen: 8.826 ppbv
RT: 11.21 min Scan# 2621
Delta R.T. 0.01 min
Lab File: VL037493.D
Acq: 18 Aug 2021 16:18

Tgt Ion:164 Resp: 1298959
Ion Ratio Lower Upper
164 100
166 128.7 100.7 151.1
129 105.3 80.9 121.3
131 99.8 80.2 120.4





#53

Toluene

Concen: 9.976 ppbv

RT: 9.80 min Scan# 2180

Delta R.T. 0.01 min

Lab File: VL037493.D

Acq: 18 Aug 2021 16:18

Instrument :

MSVOA_L

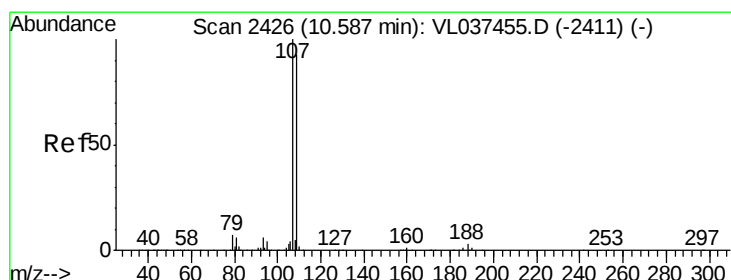
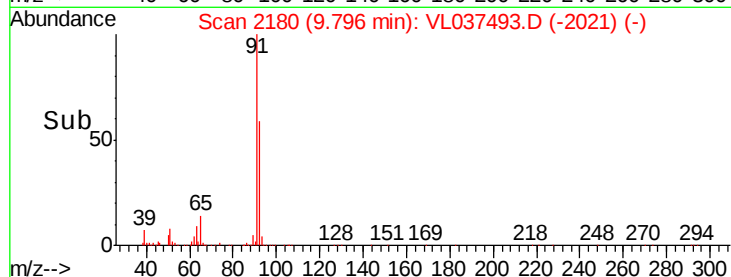
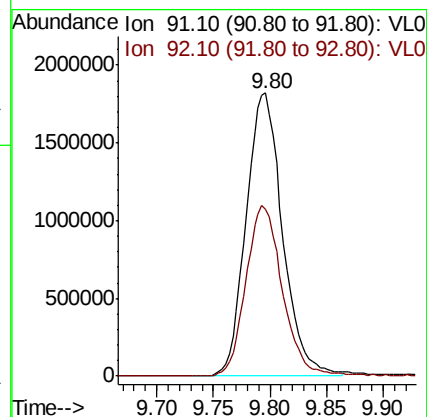
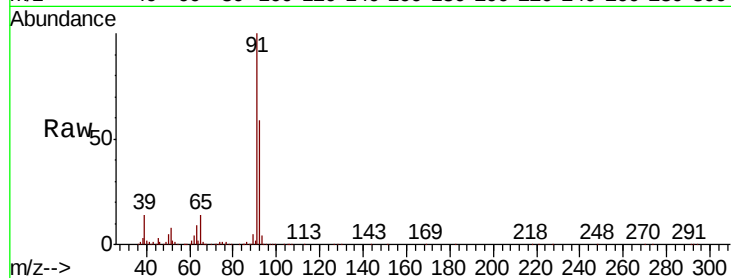
ClientSampleId :

Tot Ion: 91 Resp: 4090901

Ion Ratio Lower Upper

91 100

92 60.8 48.8 73.2



#54

1,2-Dibromoethane

Concen: 9.861 ppbv

RT: 10.60 min Scan# 2429

Delta R.T. 0.01 min

Lab File: VL037493.D

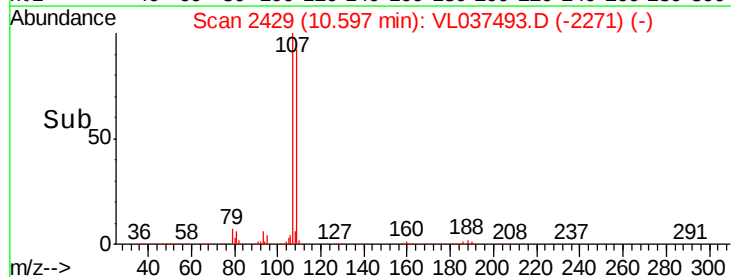
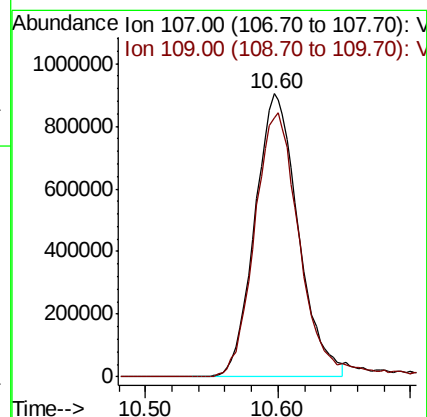
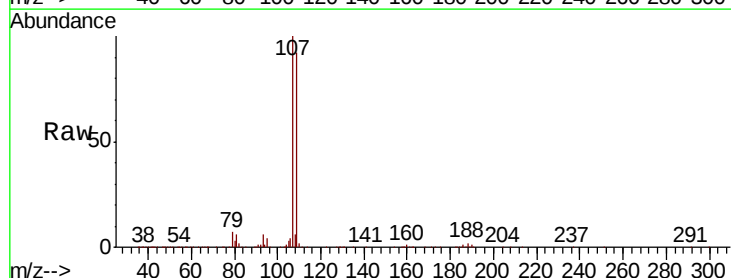
Acq: 18 Aug 2021 16:18

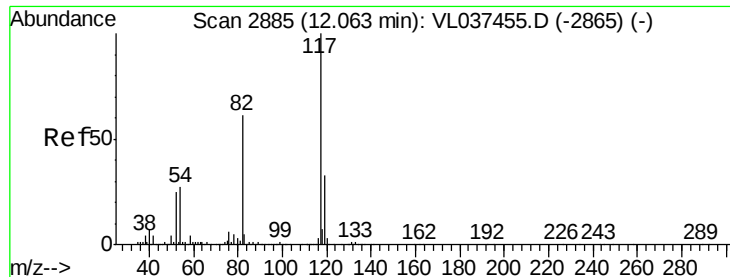
Tgt Ion: 107 Resp: 2052655

Ion Ratio Lower Upper

107 100

109 91.5 74.2 111.4

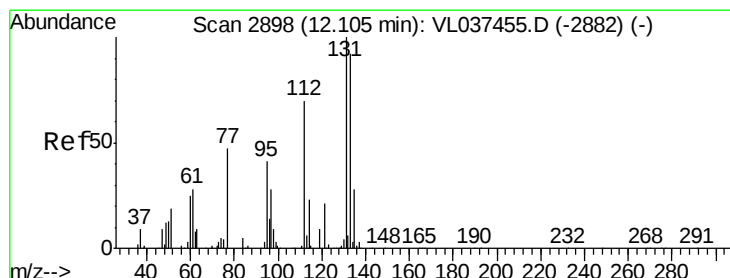
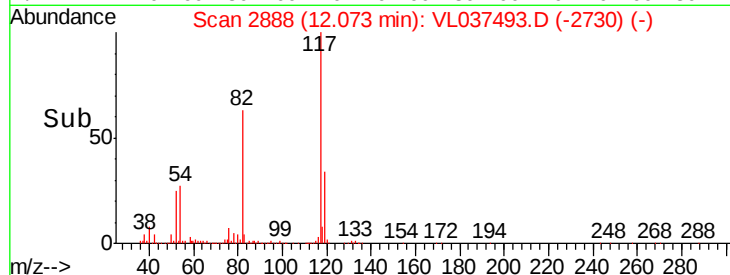
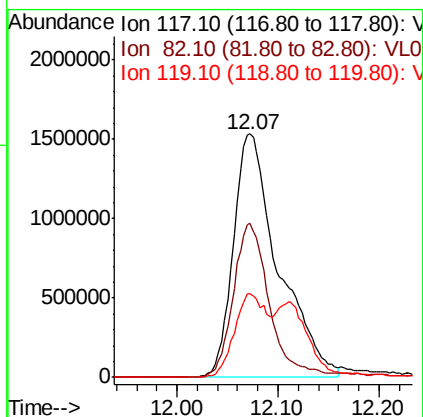
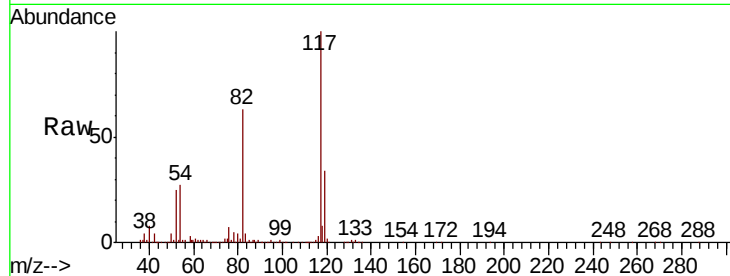




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2888
Delta R.T. 0.01 min
Lab File: VL037493.D
Acq: 18 Aug 2021 16:18

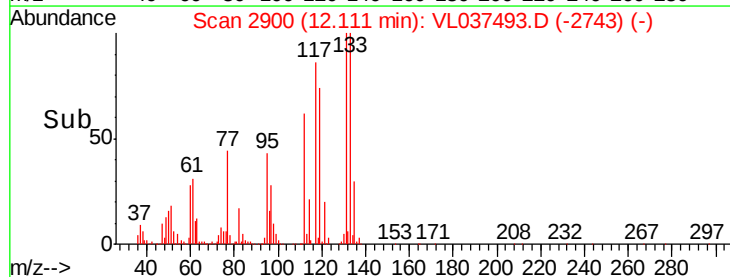
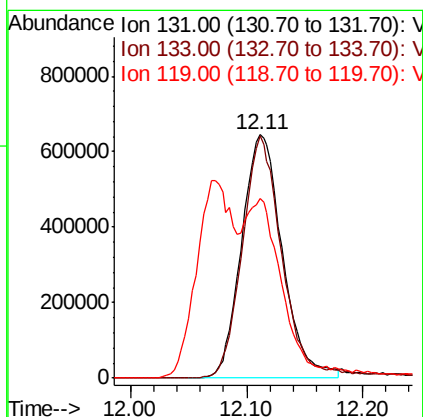
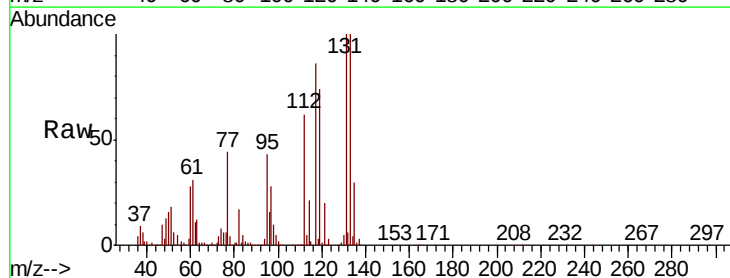
Instrument :
MSVOA_L
ClientSampleId :

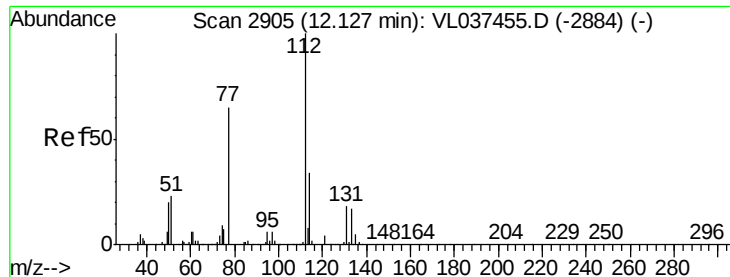
Tot Ion:117 Resp: 4757606
Ion Ratio Lower Upper
117 100
82 53.1 52.9 79.3
119 27.3 24.8 37.2



#56
1,1,1,2-Tetrachloroethane
Concen: 7.976 ppbv
RT: 12.11 min Scan# 2900
Delta R.T. 0.01 min
Lab File: VL037493.D
Acq: 18 Aug 2021 16:18

Tgt Ion:131 Resp: 1581150
Ion Ratio Lower Upper
131 100
133 96.1 78.7 118.1
119 68.5 56.6 85.0





#57

Chlorobenzene

Concen: 7.717 ppbv

RT: 12.13 min Scan# 2907

Delta R.T. 0.01 min

Lab File: VL037493.D

Acq: 18 Aug 2021 16:18

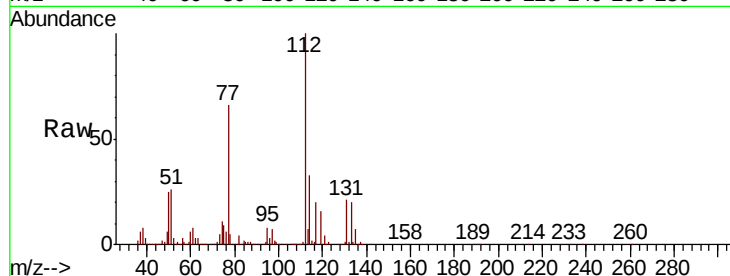
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:112 Resp: 3046820

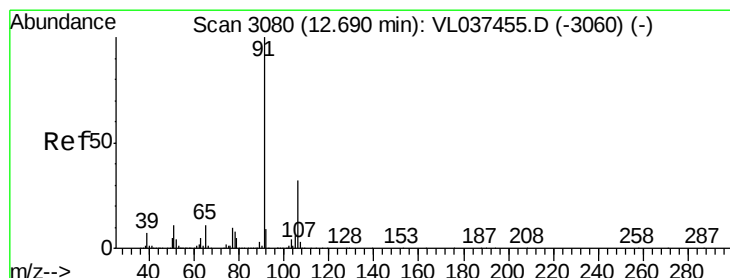
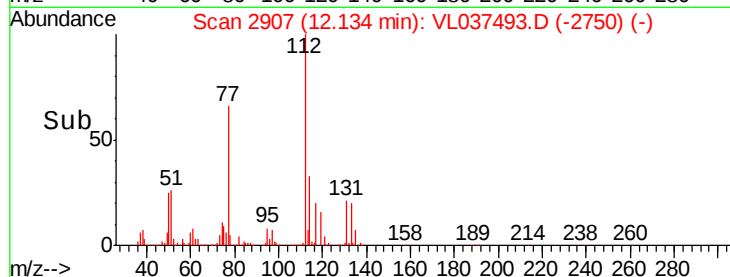
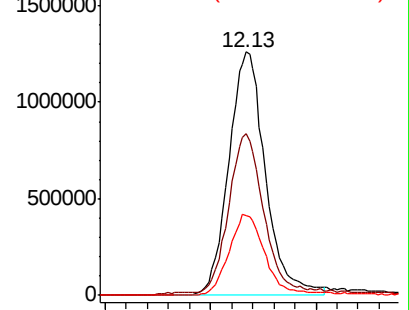
Ion	Ratio	Lower	Upper
112	100		
77	65.1	51.6	77.4
114	33.0	30.7	37.5



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: 8.093 ppbv

RT: 12.70 min Scan# 3082

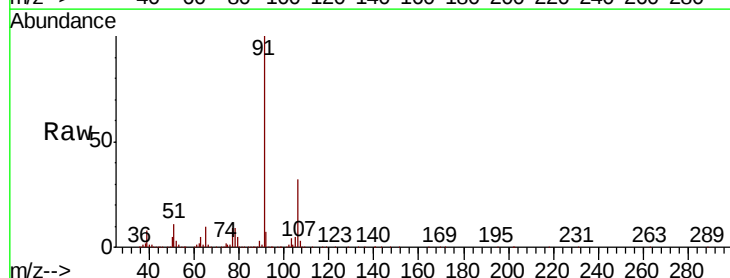
Delta R.T. 0.01 min

Lab File: VL037493.D

Acq: 18 Aug 2021 16:18

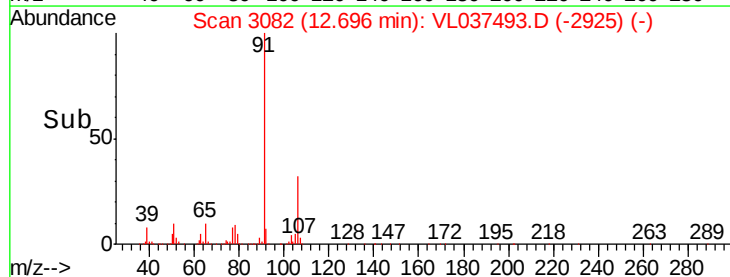
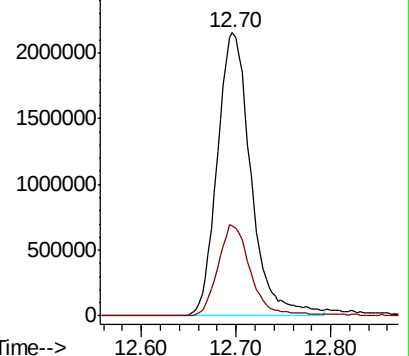
Tgt Ion: 91 Resp: 5343214

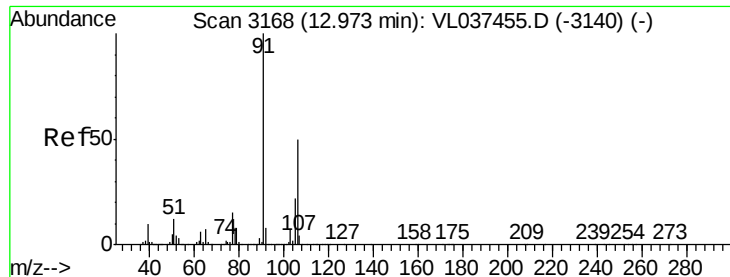
Ion	Ratio	Lower	Upper
91	100		
106	31.7	25.7	38.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 10.271 ppbv

RT: 12.98 min Scan# 3171

Delta R.T. 0.01 min

Lab File: VL037493.D

Acq: 18 Aug 2021 16:18

Instrument :

MSVOA_L

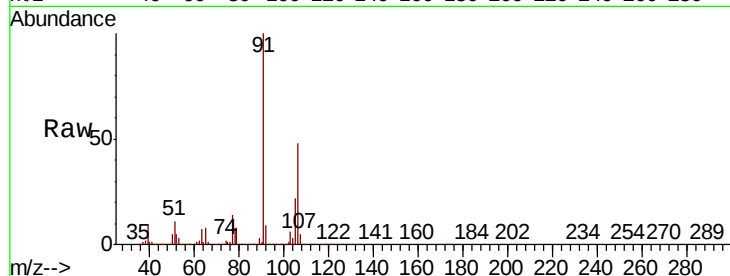
ClientSampled :

Tot Ion: 91 Resp: 5878996

Ion Ratio Lower Upper

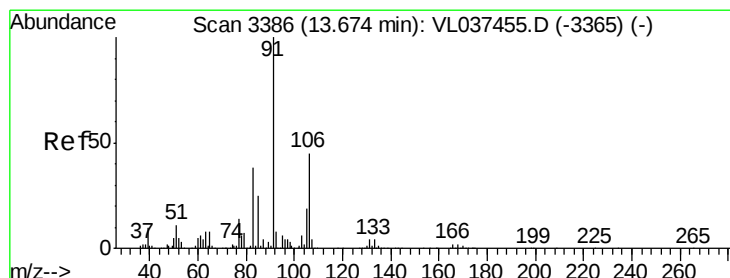
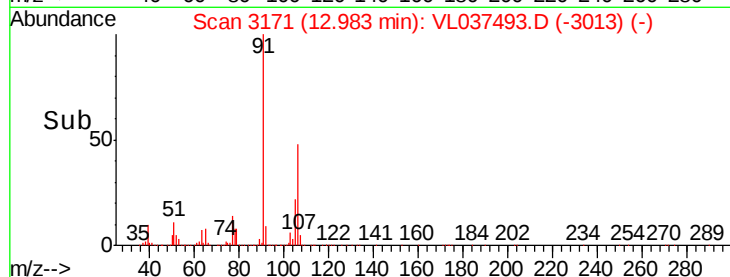
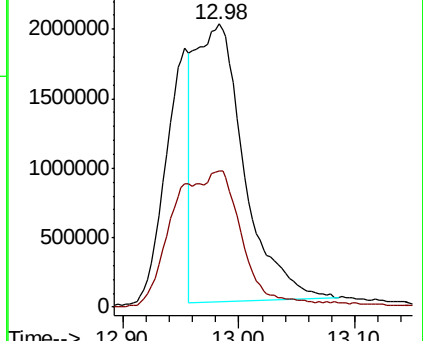
91 100

106 70.8 36.9 55.3#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#60

o-Xylene

Concen: 7.653 ppbv

RT: 13.68 min Scan# 3388

Delta R.T. 0.01 min

Lab File: VL037493.D

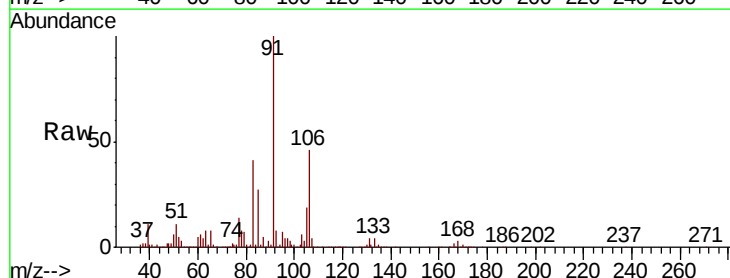
Acq: 18 Aug 2021 16:18

Tgt Ion: 91 Resp: 4088602

Ion Ratio Lower Upper

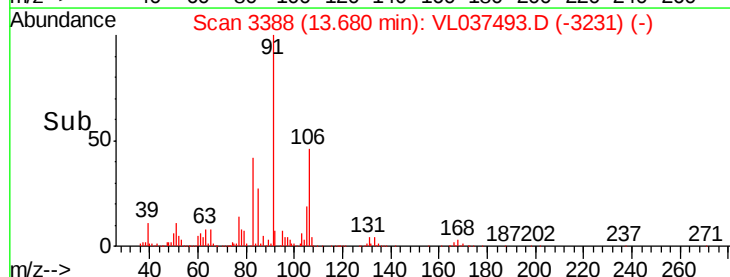
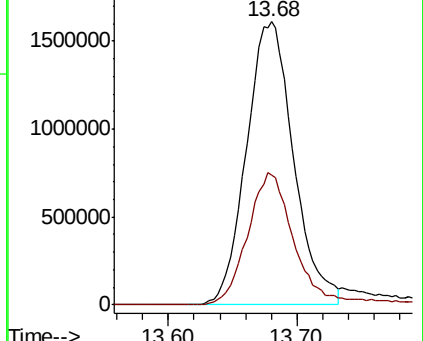
91 100

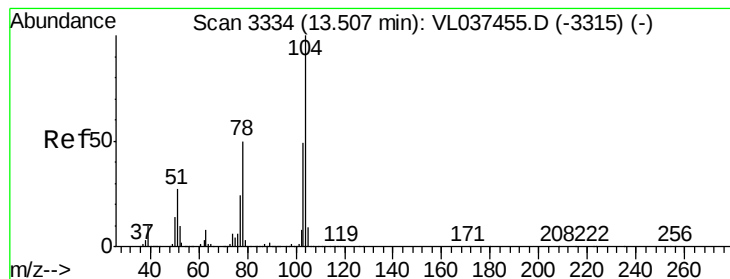
106 48.1 23.7 71.1



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#61

Stvrene

Concen: 8.508 ppbv

RT: 13.51 min Scan# 3336

Delta R.T. 0.01 min

Lab File: VL037493.D

Acq: 18 Aug 2021 16:18

Instrument :

MSVOA_L

ClientSampleId :

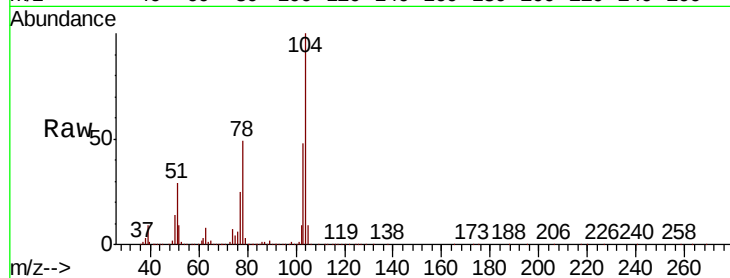
Tot Ion:104 Resp: 2361179

Ion Ratio Lower Upper

104 100

78 51.2 41.3 61.9

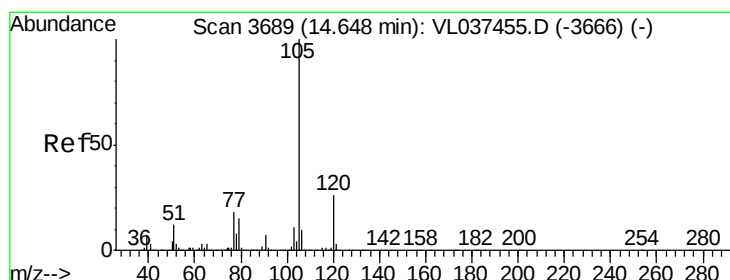
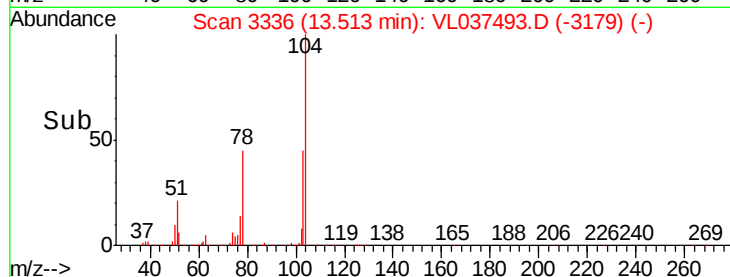
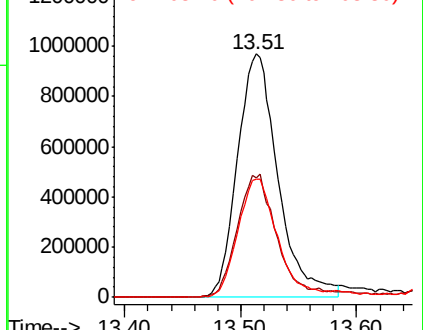
103 49.5 39.4 59.0



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: 7.687 ppbv

RT: 14.65 min Scan# 3690

Delta R.T. 0.00 min

Lab File: VL037493.D

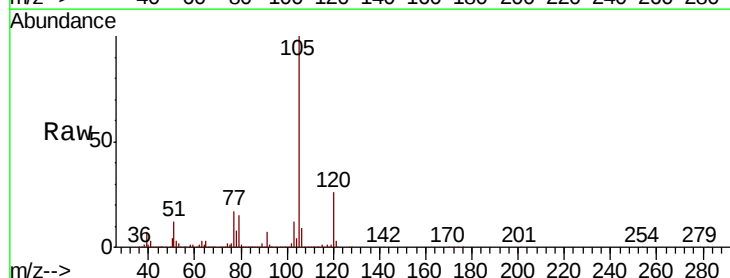
Acq: 18 Aug 2021 16:18

Tgt Ion:105 Resp: 5795637

Ion Ratio Lower Upper

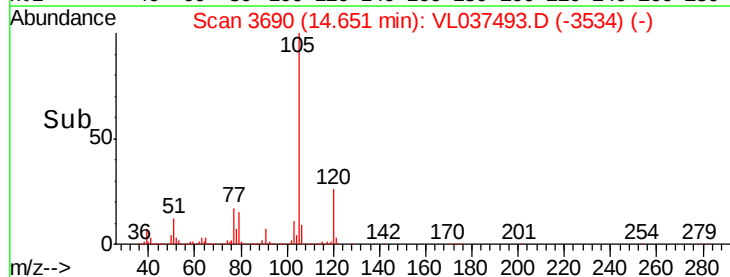
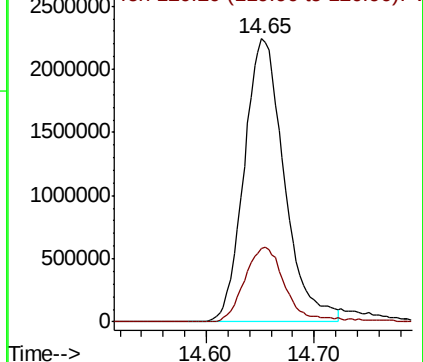
105 100

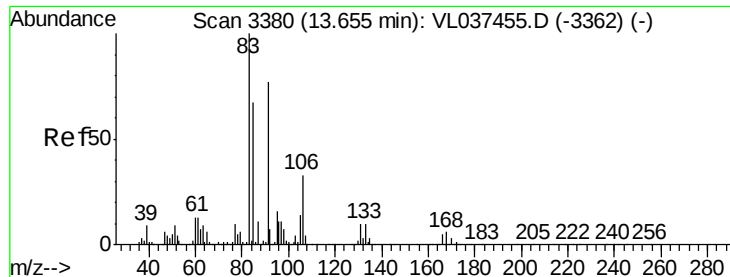
120 27.2 21.5 32.3



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#63

1,1,2,2-Tetrachloroethane

Concen: 7.799 ppbv

RT: 13.66 min Scan# 3382

Delta R.T. 0.01 min

Lab File: VL037493.D

Acq: 18 Aug 2021 16:18

Instrument :

MSVOA_L

ClientSampleId :

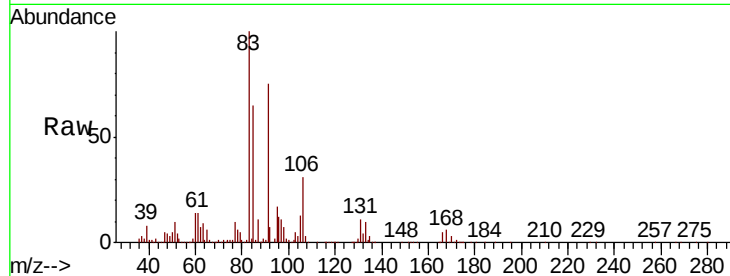
Tot Ion: 83 Resp: 3096335

Ion	Ratio	Lower	Upper
83	100		
131	10.2	5.0	15.0
85	66.2	33.8	101.3

83 100

131 10.2 5.0 15.0

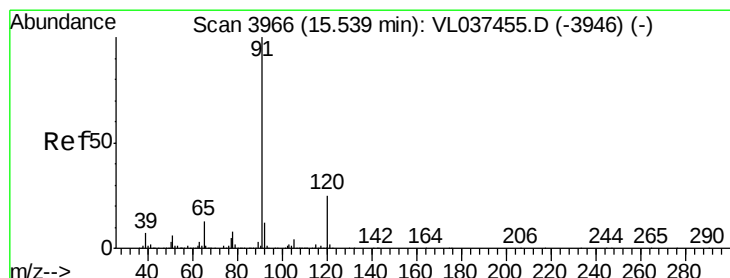
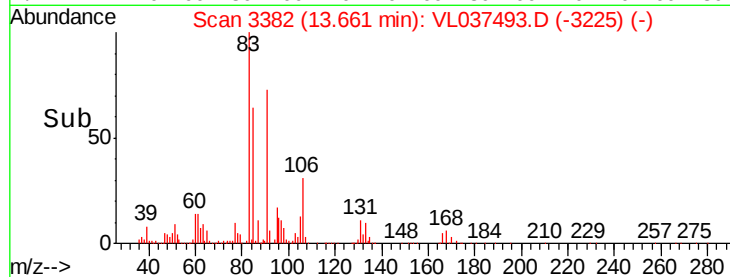
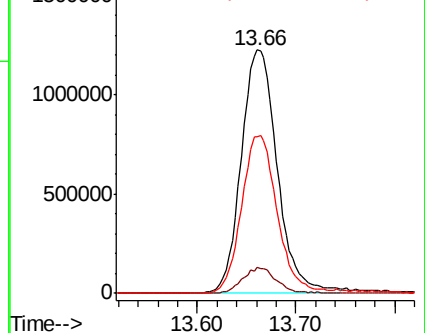
85 66.2 33.8 101.3



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 7.936 ppbv

RT: 15.55 min Scan# 3968

Delta R.T. 0.01 min

Lab File: VL037493.D

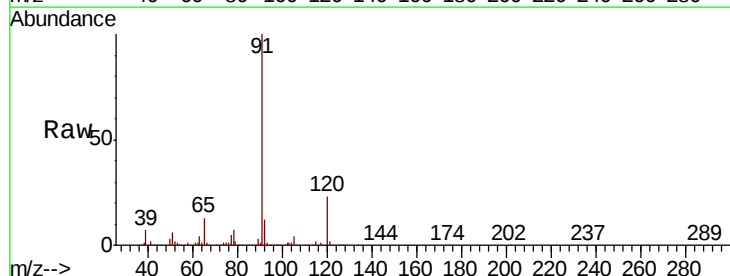
Acq: 18 Aug 2021 16:18

Tgt Ion:120 Resp: 1522734

Ion	Ratio	Lower	Upper
120	100		
91	482.4	373.8	560.6

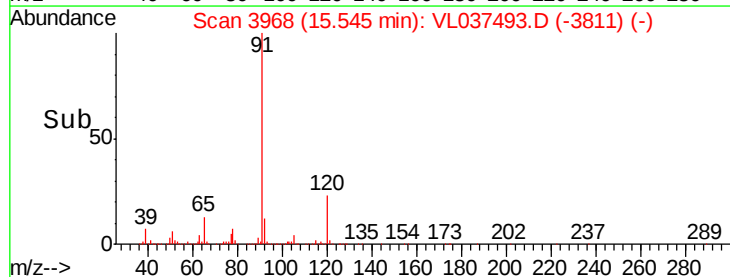
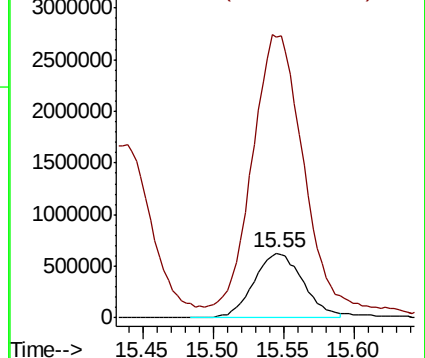
120 100

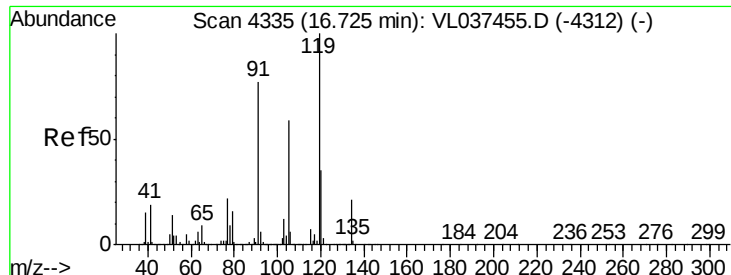
91 482.4 373.8 560.6



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

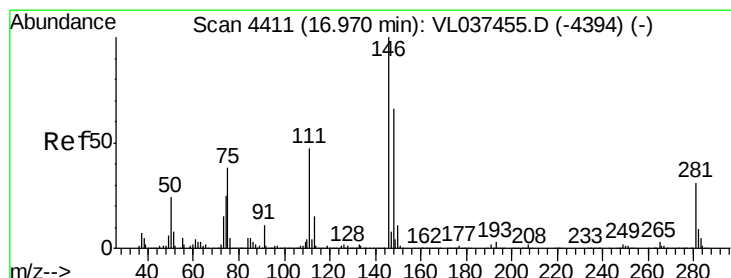
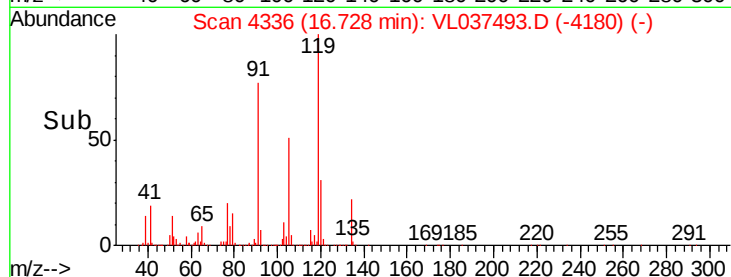
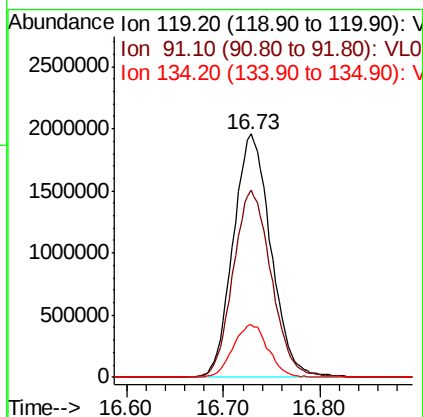
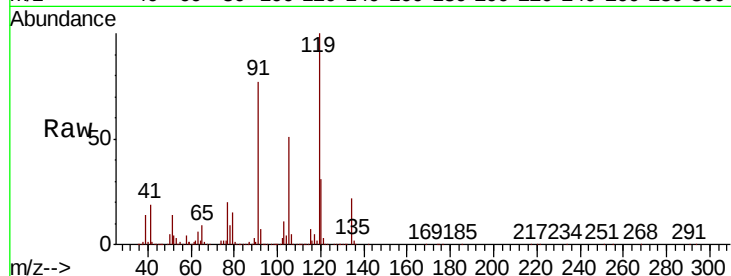




#65
tert-Butylbenzene
Concen: 7.703 ppbv
RT: 16.73 min Scan# 4336
Delta R.T. 0.00 min
Lab File: VL037493.D
Acq: 18 Aug 2021 16:18

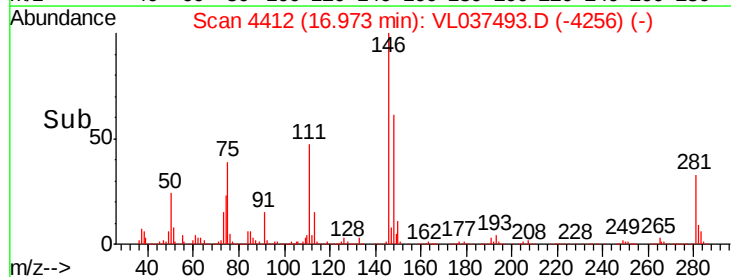
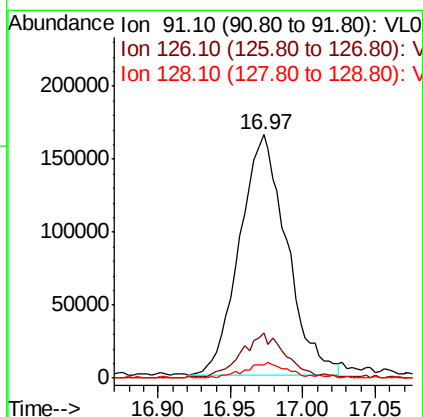
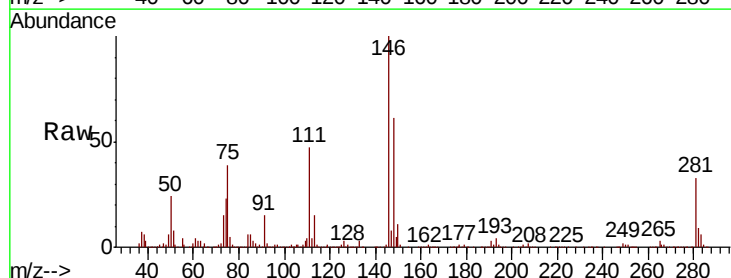
Instrument :
MSVOA_L
ClientSampleId :

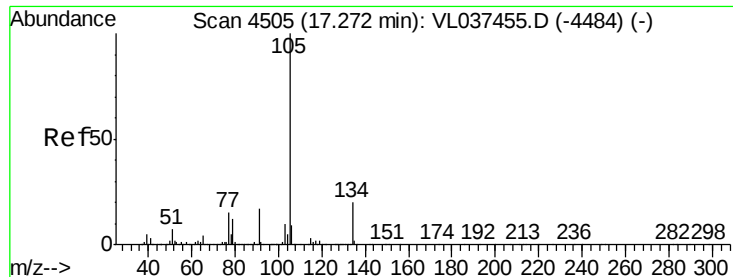
Tot Ion:119 Resp: 5289439
Ion Ratio Lower Upper
119 100
91 78.0 62.9 94.3
134 20.4 16.4 24.6



#66
Benzyl Chloride
Concen: 12.057 ppbv
RT: 16.97 min Scan# 4412
Delta R.T. 0.00 min
Lab File: VL037493.D
Acq: 18 Aug 2021 16:18

Tgt Ion: 91 Resp: 374493
Ion Ratio Lower Upper
91 100
126 18.8 15.9 23.9
128 6.4 5.4 8.0





#67

sec-Butylbenzene

Concen: 7.718 ppbv

RT: 17.28 min Scan# 4507

Delta R.T. 0.01 min

Lab File: VL037493.D

Acq: 18 Aug 2021 16:18

Instrument :

MSVOA_L

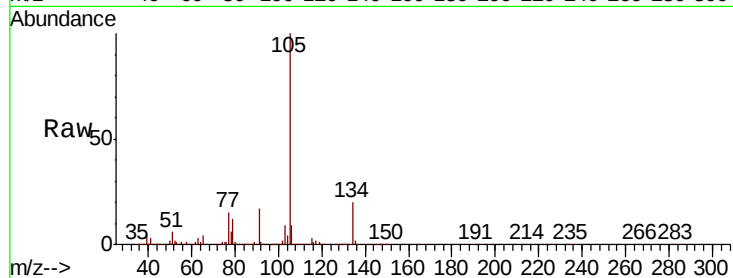
ClientSampleId :

Tot Ion:105 Resp: 7404797

Ion Ratio Lower Upper

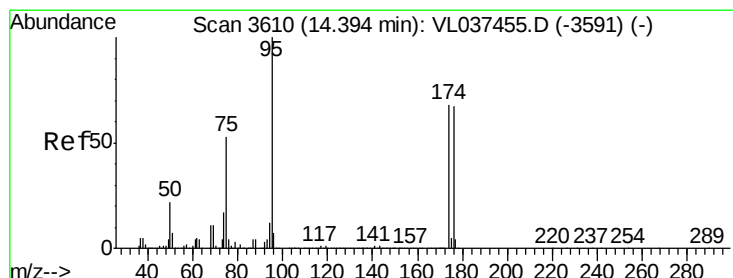
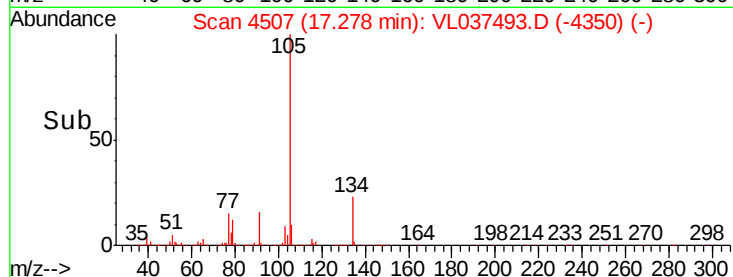
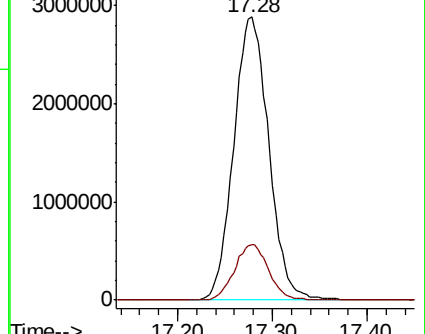
105 100

134 19.1 15.2 22.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 8.612 ppbv

RT: 14.40 min Scan# 3611

Delta R.T. 0.00 min

Lab File: VL037493.D

Acq: 18 Aug 2021 16:18

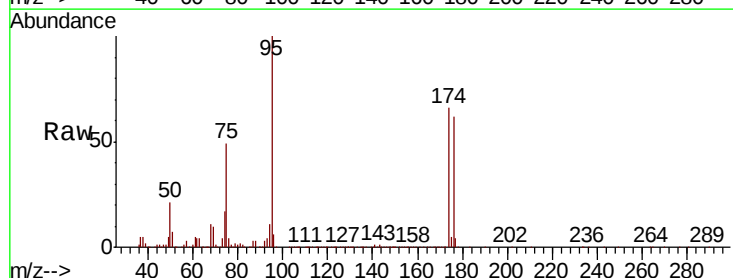
Tgt Ion: 95 Resp: 2911018

Ion Ratio Lower Upper

95 100

174 71.9 59.6 89.4

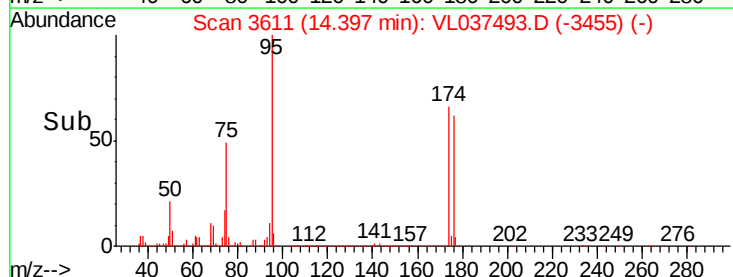
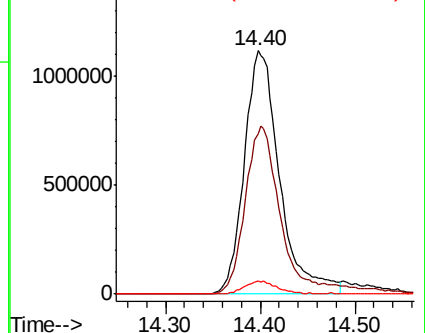
175 5.2 4.6 7.0

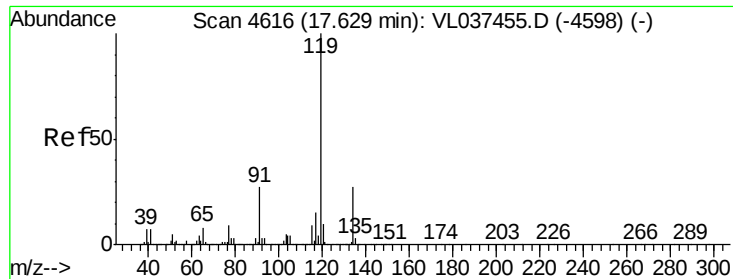


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





#69

p-Isopropyltoluene

Concen: 7.996 ppbv

RT: 17.64 min Scan# 4618

Delta R.T. 0.01 min

Lab File: VL037493.D

Acq: 18 Aug 2021 16:18

Instrument :

MSVOA_L

ClientSampleId :

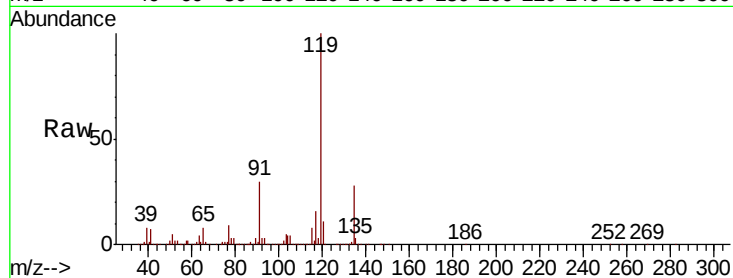
Tot Ion:119 Resp: 6251301

Ion Ratio Lower Upper

119 100

134 26.2 21.1 31.7

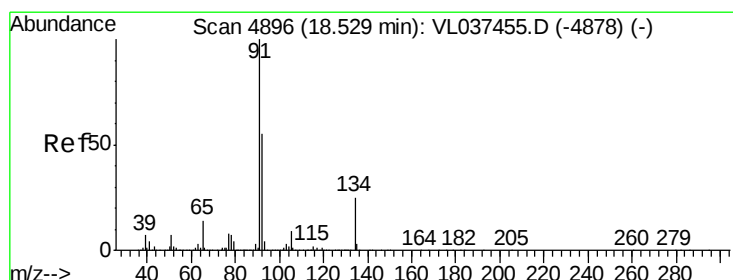
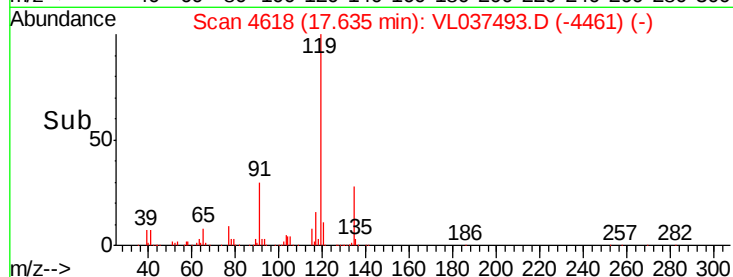
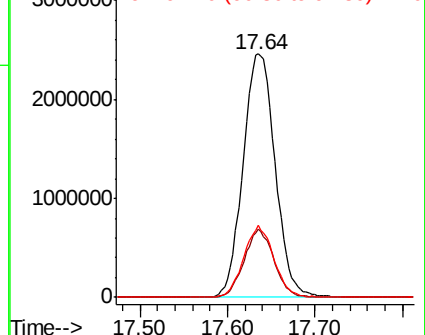
91 27.6 22.4 33.6



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: 8.189 ppbv

RT: 18.54 min Scan# 4898

Delta R.T. 0.01 min

Lab File: VL037493.D

Acq: 18 Aug 2021 16:18

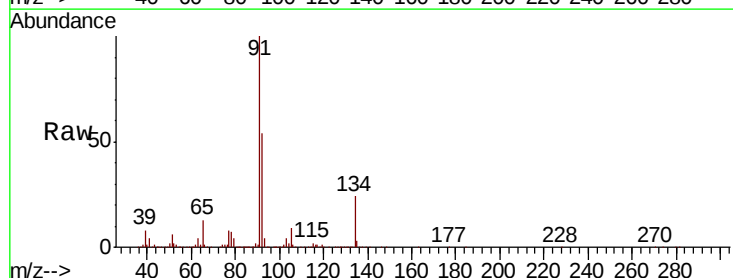
Tgt Ion: 91 Resp: 6118679

Ion Ratio Lower Upper

91 100

92 55.1 44.0 66.0

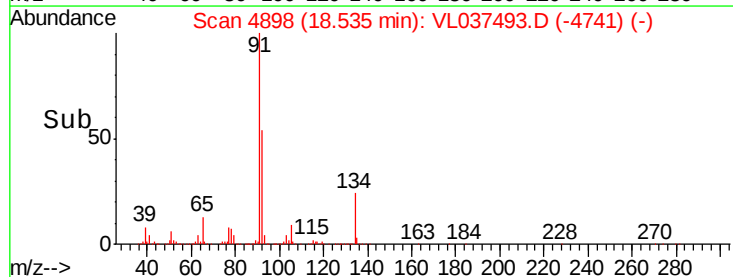
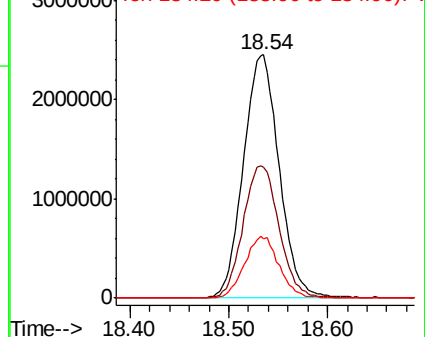
134 24.7 19.5 29.3

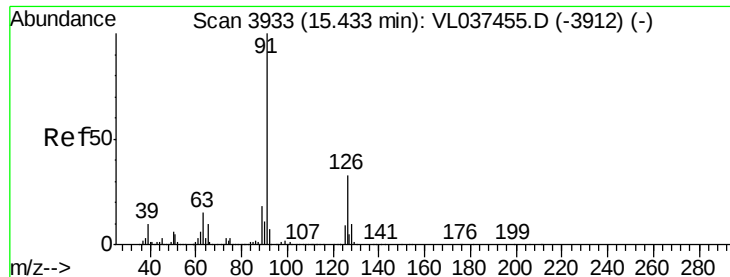


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

Ion 134.20 (133.90 to 134.90): V

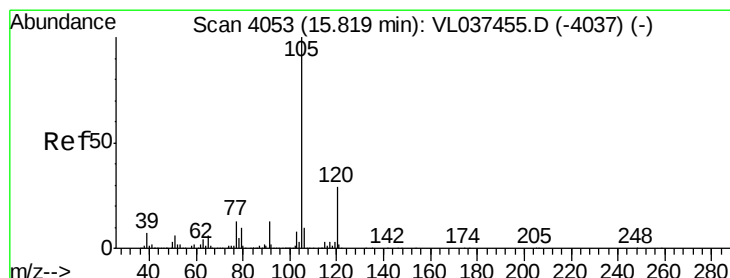
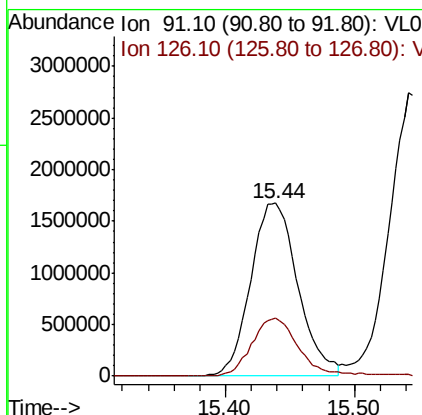
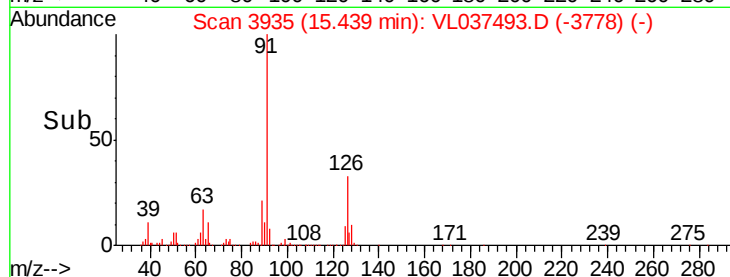
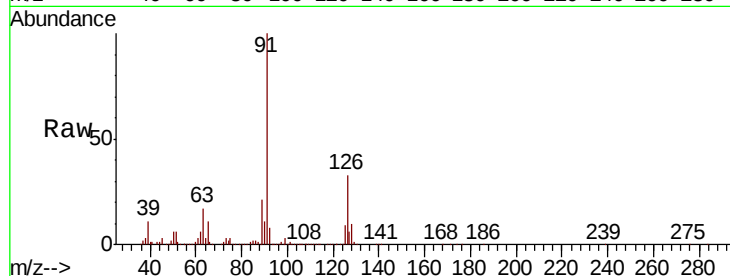




#71
2-Chlorotoluene
Concen: 7.724 ppbv
RT: 15.44 min Scan# 3935
Delta R.T. 0.01 min
Lab File: VL037493.D
Acq: 18 Aug 2021 16:18

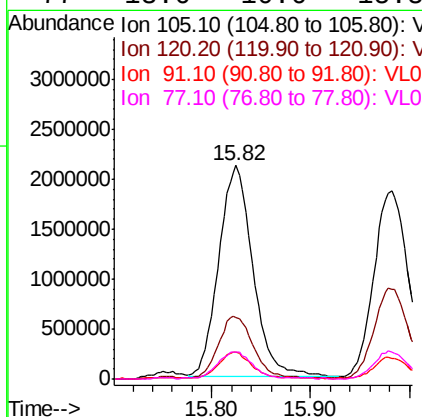
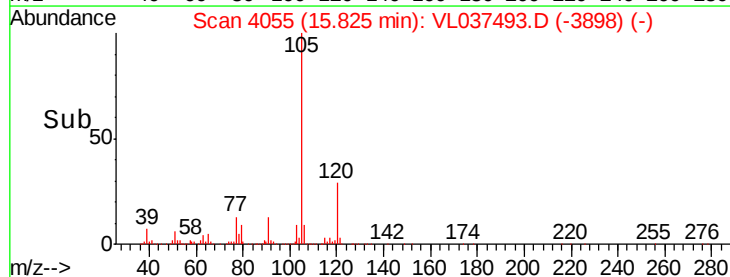
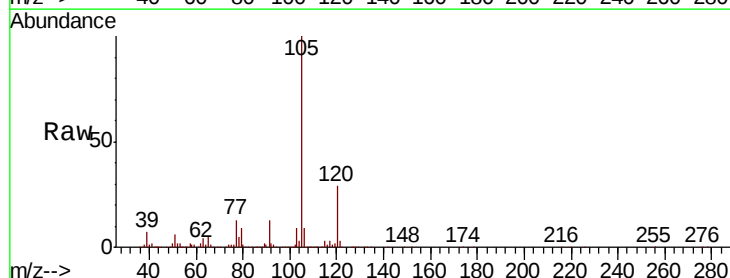
Instrument :
MSVOA_L
ClientSampleId :

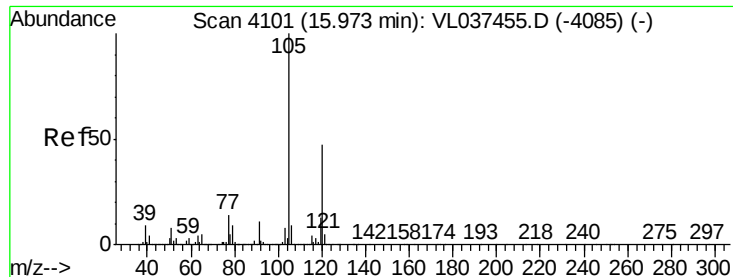
Tot Ion: 91 Resp: 4270765
Ion Ratio Lower Upper
91 100
126 34.6 13.6 54.4



#72
4-Ethyltoluene
Concen: 8.092 ppbv
RT: 15.82 min Scan# 4055
Delta R.T. 0.01 min
Lab File: VL037493.D
Acq: 18 Aug 2021 16:18

Tgt Ion: 105 Resp: 5142071
Ion Ratio Lower Upper
105 100
120 30.7 24.7 37.1
91 12.1 9.8 14.8
77 13.6 10.6 15.8





#73

1,3,5-Trimethylbenzene

Concen: 7.779 ppbv

RT: 15.98 min Scan# 4104

Delta R.T. 0.01 min

Lab File: VL037493.D

Acq: 18 Aug 2021 16:18

Instrument :

MSVOA_L

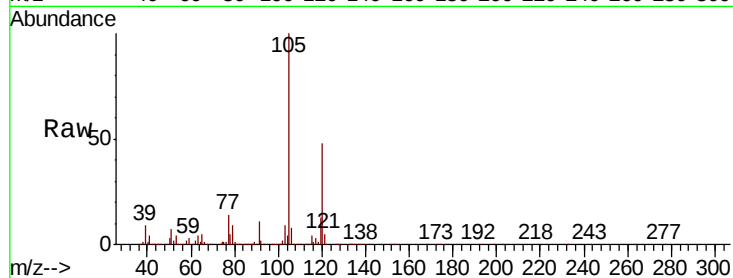
ClientSampleId :

Tot Ion:105 Resp: 4601206

Ion Ratio Lower Upper

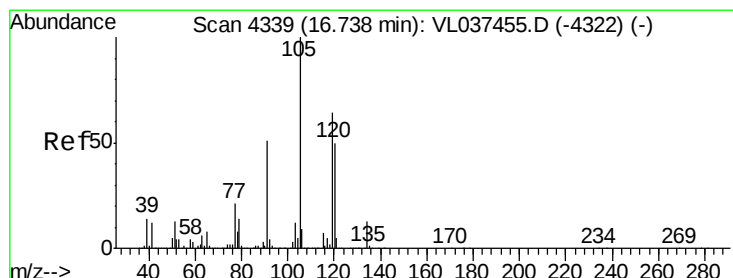
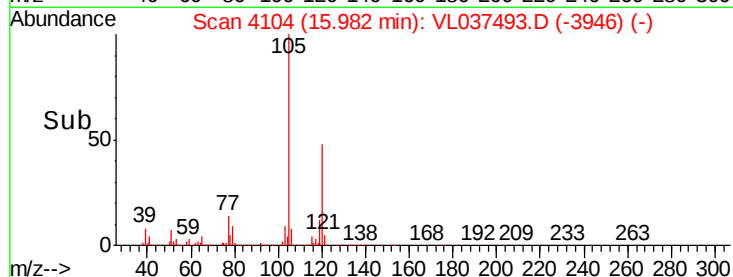
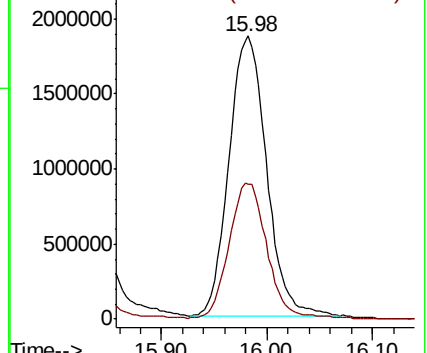
105 100

120 47.9 37.6 56.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 7.762 ppbv

RT: 16.75 min Scan# 4342

Delta R.T. 0.01 min

Lab File: VL037493.D

Acq: 18 Aug 2021 16:18

Tgt Ion:105 Resp: 4878947

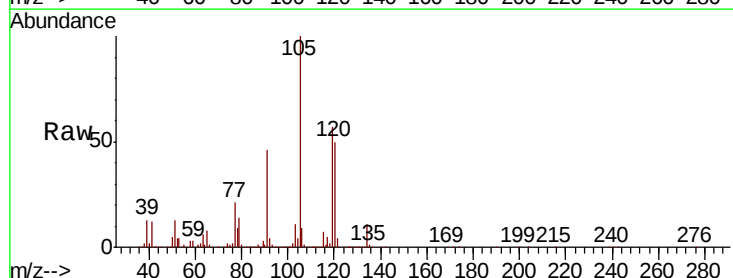
Ion Ratio Lower Upper

105 100

120 49.5 40.4 60.6

91 46.3 44.6 67.0

77 20.7 17.8 26.6

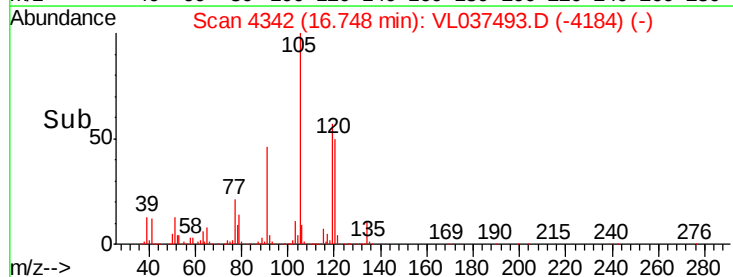
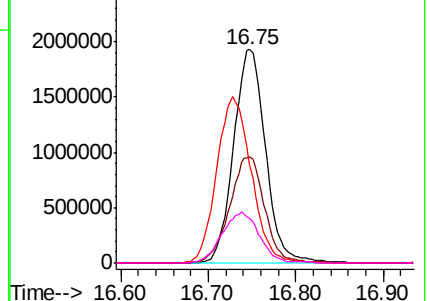


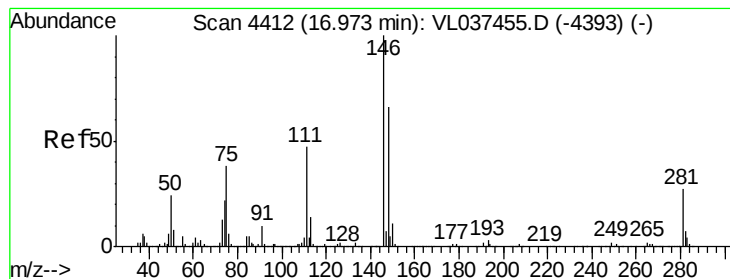
Abundance Ion 105.10 (104.80 to 105.80): V

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





#75

1,3-Dichlorobenzene

Concen: 7.710 ppbv

RT: 16.98 min Scan# 4415

Delta R.T. 0.01 min

Lab File: VL037493.D

Acq: 18 Aug 2021 16:18

Instrument :

MSVOA_L

ClientSampleId :

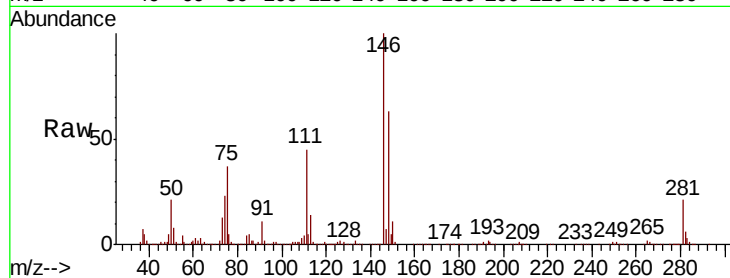
Tot Ion:146 Resp: 2917056

Ion Ratio Lower Upper

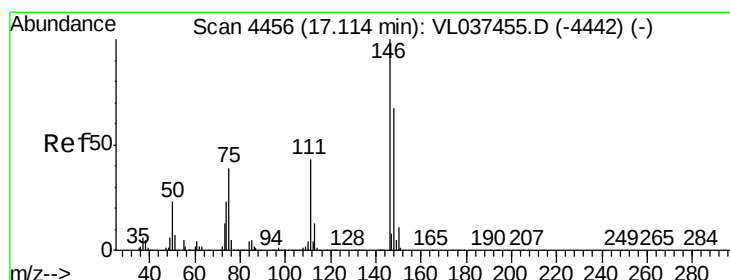
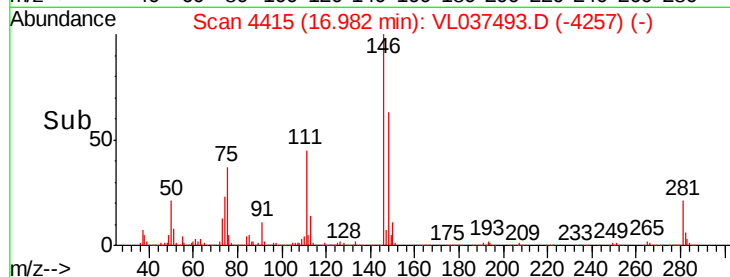
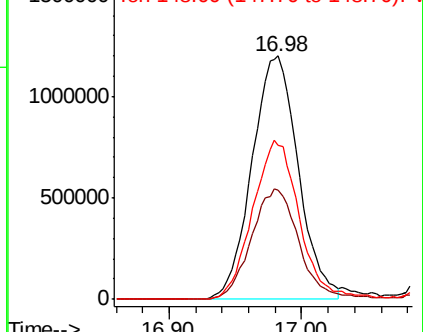
146 100

111 46.9 23.4 70.0

148 65.8 33.1 99.5



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: 7.449 ppbv

RT: 17.12 min Scan# 4458

Delta R.T. 0.01 min

Lab File: VL037493.D

Acq: 18 Aug 2021 16:18

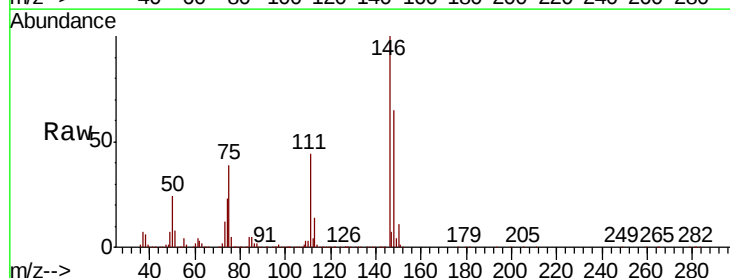
Tgt Ion:146 Resp: 2838854

Ion Ratio Lower Upper

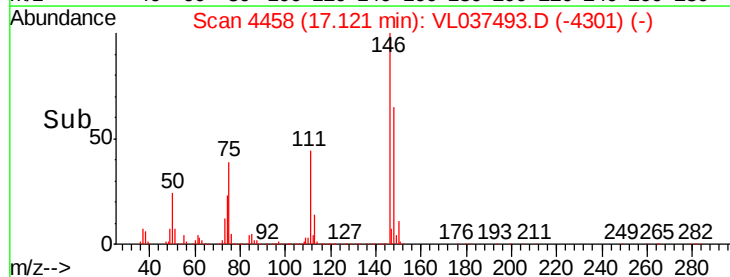
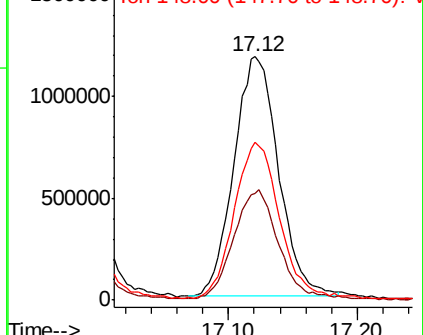
146 100

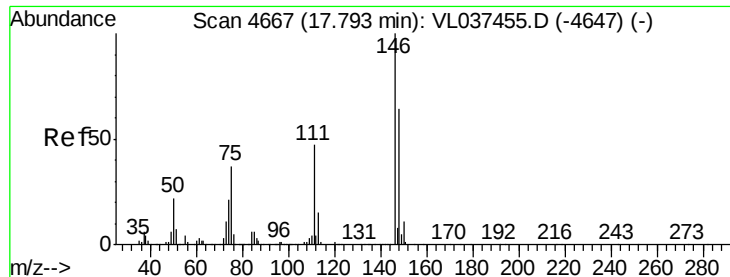
111 46.7 22.1 66.5

148 68.7 32.4 97.0



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: 7.780 ppbv

RT: 17.80 min Scan# 4669

Delta R.T. 0.01 min

Lab File: VL037493.D

Acq: 18 Aug 2021 16:18

Instrument :

MSVOA_L

ClientSampleId :

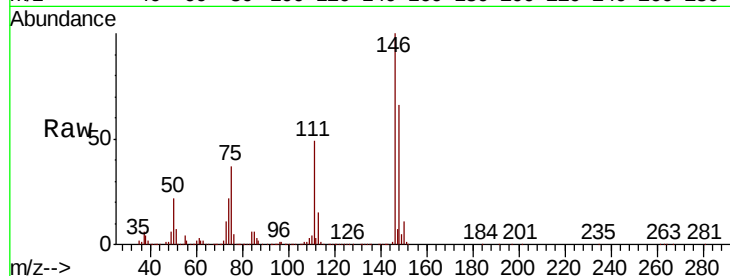
Tot Ion:146 Resp: 2898230

Ion Ratio Lower Upper

146 100

111 47.8 23.4 70.3

148 64.9 32.5 97.5

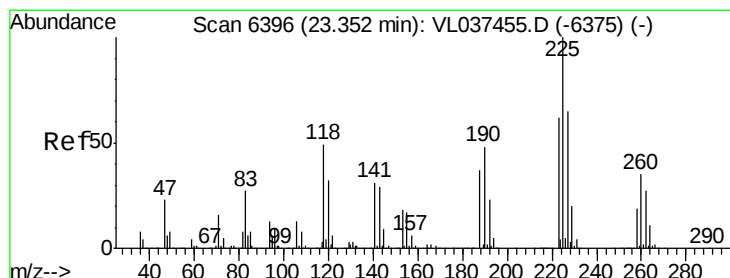
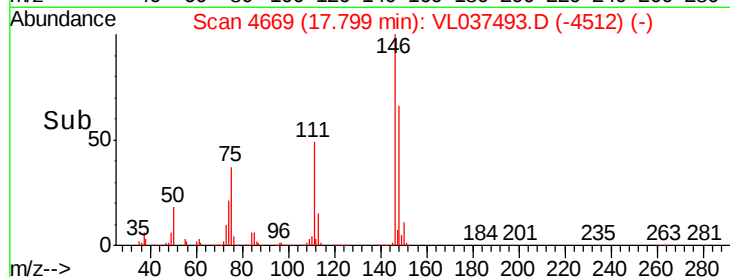
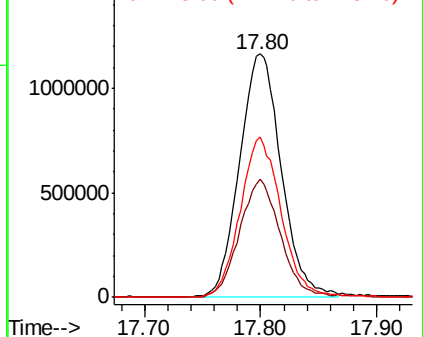


Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 7.084 ppbv

RT: 23.36 min Scan# 6397

Delta R.T. 0.00 min

Lab File: VL037493.D

Acq: 18 Aug 2021 16:18

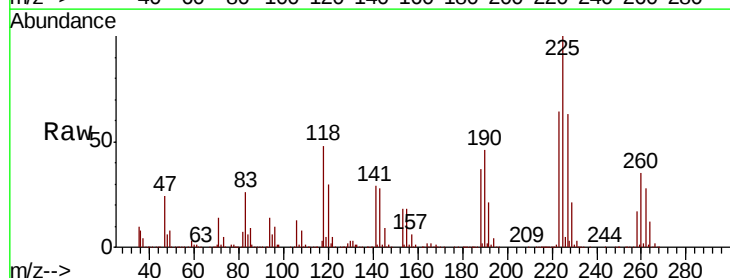
Tgt Ion:225 Resp: 2194345

Ion Ratio Lower Upper

225 100

223 65.0 51.4 77.0

227 65.3 52.9 79.3

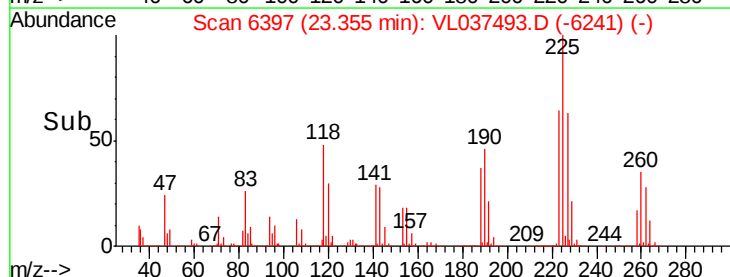
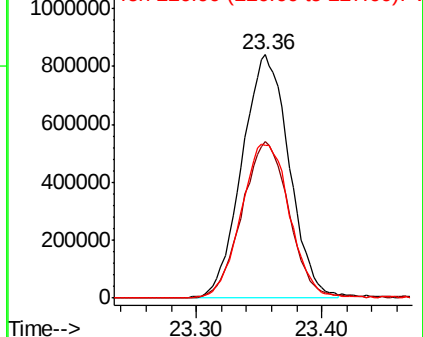


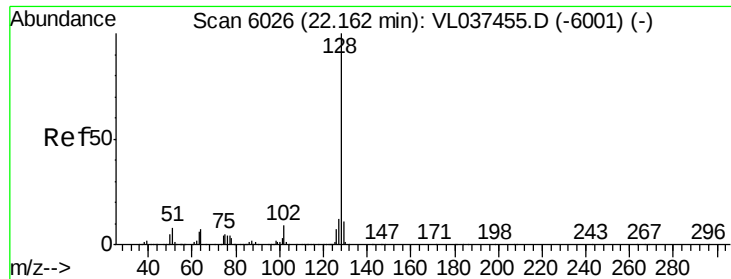
Abundance

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

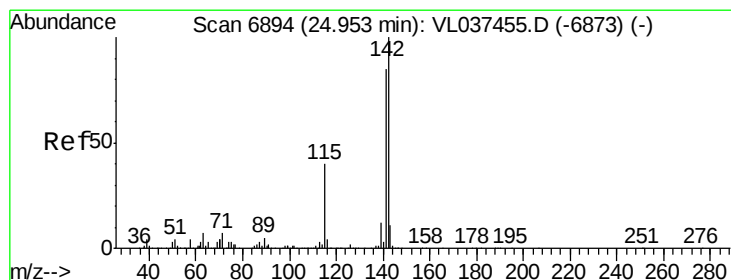
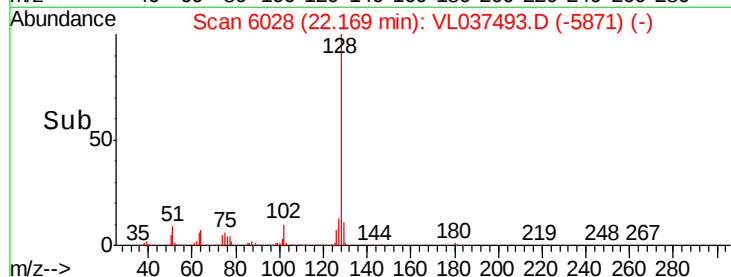
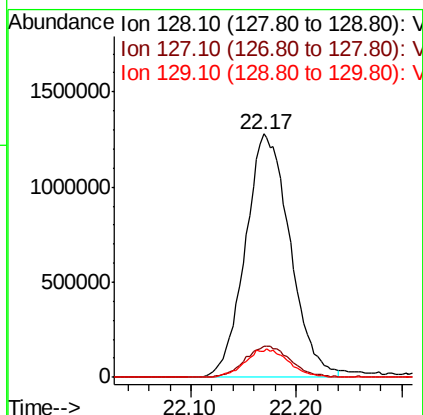
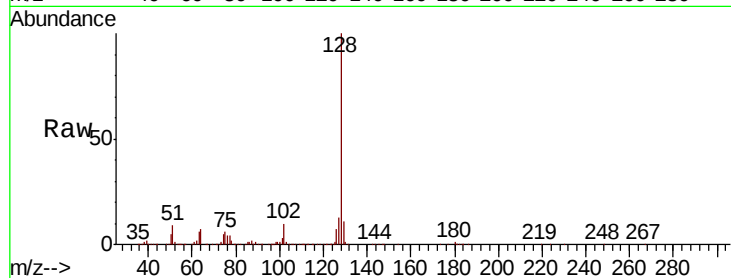




#79
Naphthalene
Concen: 8.960 ppbv
RT: 22.17 min Scan# 6028
Delta R.T. 0.01 min
Lab File: VL037493.D
Acq: 18 Aug 2021 16:18

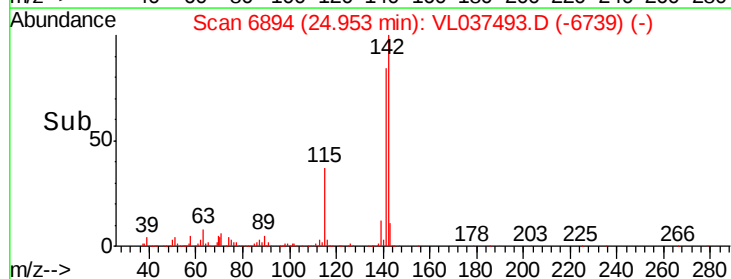
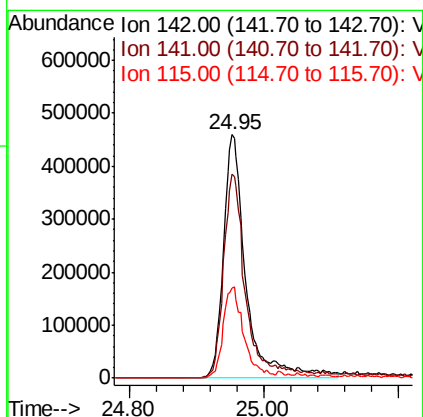
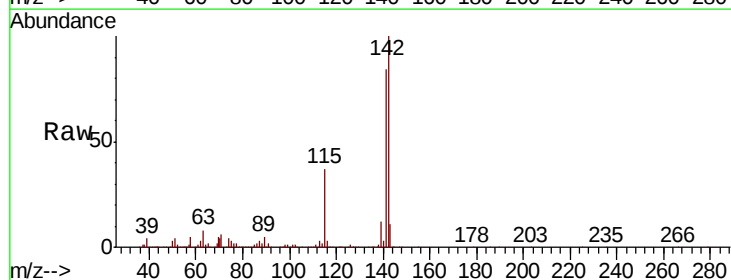
Instrument :
MSVOA_L
ClientSampleId :

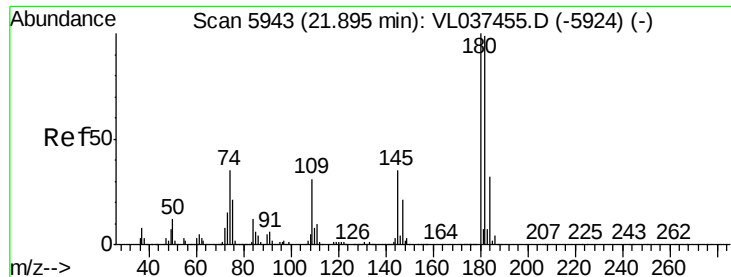
Tot Ion:128 Resp: 3768606
Ion Ratio Lower Upper
128 100
127 13.0 9.4 14.2
129 10.8 8.8 13.2



#80
Naphthalene, 2-methyl-
Concen: 9.193 ppbv
RT: 24.95 min Scan# 6894
Delta R.T. -0.00 min
Lab File: VL037493.D
Acq: 18 Aug 2021 16:18

Tgt Ion:142 Resp: 1077207
Ion Ratio Lower Upper
142 100
141 83.9 64.7 97.1
115 35.8 28.4 42.6





#81

1,2,4-Trichlorobenzene

Concen: 8.537 ppbv

RT: 21.90 min Scan# 5945

Delta R.T. 0.01 min

Lab File: VL037493.D

Acq: 18 Aug 2021 16:18

Instrument :

MSVOA_L

ClientSampleId :

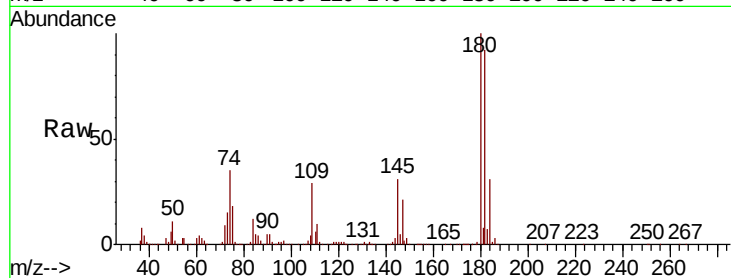
Tot Ion:180 Resp: 2253229

Ion Ratio Lower Upper

180 100

182 98.0 79.6 119.4

184 31.6 25.4 38.2



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

