

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081921\
 Data File : VL037495.D
 Acq On : 19 Aug 2021 11:03
 Operator : SY/AP
 Sample : VSTDICCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Aug 20 00:18:16 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	5.67	49	1467766	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.18	114	4396319	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.09	117	5066873	10.00	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	3080644	8.56	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	85.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	2975833	12.636	ppbv	100
3) Chlorodifluoromethane	2.99	51	2590867	9.218	ppbv	99
4) Chloromethane	3.14	50	968224	9.640	ppbv	91
5) Vinyl Chloride	3.26	62	982012	9.544	ppbv	96
6) Bromomethane	3.48	94	468612	8.314	ppbv	99
7) Chloroethane	3.56	64	330039	9.397	ppbv	98
8) Dichlorotetrafluoroethane	3.19	85	2262277	9.305	ppbv	100
9) Propene	3.02	41	909748	9.047	ppbv	100
10) Heptane	8.13	43	2333671	10.082	ppbv	98
11) Trichlorofluoromethane	3.95	101	2070341	9.365	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1524536	9.398	ppbv	100
13) Ethanol	3.62	45	36138	3.693	ppbv #	1
14) Bromoethene	3.74	108	704491	9.566	ppbv	98
15) Acetone	3.85	43	1174273	7.861	ppbv	99
16) 1,3-Butadiene	3.33	39	932999	9.737	ppbv	98
17) tert-Butyl alcohol	4.29	59	1213679	8.894	ppbv	98
18) 1,1-Dichloroethene	4.29	96	699512	9.493	ppbv	100
19) Isopropyl Alcohol	3.97	45	714451	8.349	ppbv #	98
20) Methylene Chloride	4.35	84	623225	8.333	ppbv	95
21) Allyl Chloride	4.42	41	1065258	8.780	ppbv	93
22) trans-1,2-Dichloroethene	4.89	96	695766	9.464	ppbv	97
23) Vinyl Acetate	5.08	43	2295955	10.428	ppbv	99
24) 1,1-Dichloroethane	5.02	63	1534261	9.608	ppbv	99
25) Ethyl Acetate	5.68	43	3622165	9.552	ppbv	99
26) Hexane	5.69	57	1711006	9.228	ppbv	99
27) Carbon Disulfide	4.56	76	1707642	10.335	ppbv	100
28) Methyl tert-Butyl Ether	5.04	73	1810407	10.167	ppbv	100
29) Chloroform	5.76	83	2525748	9.612	ppbv	99
30) Cyclohexane	7.14	84	1496055	9.684	ppbv	99
31) cis-1,2-Dichloroethene	5.55	61	1650109	9.834	ppbv	98
32) 1,1,1-Trichloroethane	6.52	97	2448724	9.485	ppbv	99
34) 2-Butanone	5.25	43	1599235	8.908	ppbv	97
35) Carbon Tetrachloride	7.02	117	2564601	9.871	ppbv	99
36) Benzene	6.90	78	3619127	9.793	ppbv	99
37) 1,2-Dichloroethane	6.31	62	1802746	9.848	ppbv	99
38) Trichloroethene	7.84	130	1439547	9.494	ppbv	96
39) 1,2-Dichloropropane	7.62	63	1364180	9.606	ppbv	98
40) 1,4-Dioxane	7.83	88	331036	9.515	ppbv #	100
41) Tetrahydrofuran	6.06	42	825762	9.548	ppbv	98
42) Bromodichloromethane	7.80	83	2654861	9.918	ppbv	95
43) Methyl Methacrylate	8.02	69	1288902	10.006	ppbv	98

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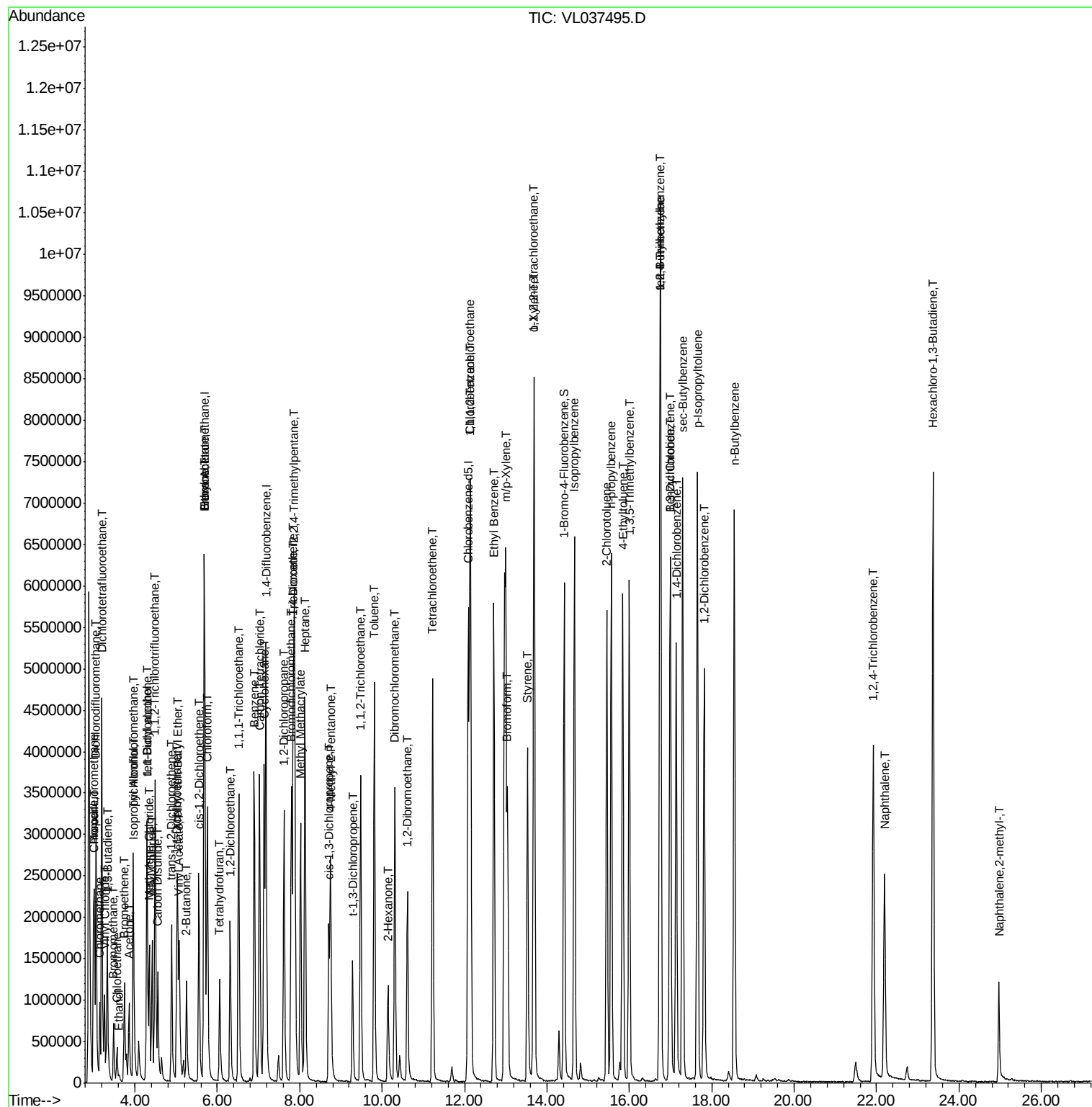
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	5996700	9.641	ppbv	100
45) t-1,3-Dichloropropene	9.28	75	925235	9.542	ppbv	99
46) cis-1,3-Dichloropropene	8.71	75	1183700	8.751	ppbv	99
47) 1,1,2-Trichloroethane	9.48	97	1498319	9.764	ppbv	99
48) Dibromochloromethane	10.31	129	2403842	10.886	ppbv	98
49) Bromoform	13.04	173	2065031	11.864	ppbv	96
50) 4-Methyl-2-Pentanone	8.74	43	2379344	10.159	ppbv	100
51) 2-Hexanone	10.14	43	1144166	10.621	ppbv #	99
52) Tetrachloroethene	11.23	164	1363245	9.002	ppbv	98
53) Toluene	9.81	91	4233156	10.031	ppbv	98
54) 1,2-Dibromoethane	10.61	107	2102781	9.816	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.13	131	1691907	8.014	ppbv	94
57) Chlorobenzene	12.15	112	3186789	7.579	ppbv	97
58) Ethyl Benzene	12.71	91	5572351	7.925	ppbv	99
59) m/p-Xylene	13.00	91	4668963	7.659	ppbv #	34
60) o-Xylene	13.70	91	4405461	7.743	ppbv	97
61) Styrene	13.53	104	2573874	8.709	ppbv	98
62) Isopropylbenzene	14.67	105	6131753	7.636	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.68	83	3136575	7.418	ppbv	98
64) n-propylbenzene	15.56	120	1639011	8.021	ppbv	92
65) tert-Butylbenzene	16.74	119	5430973	7.427	ppbv	99
66) Benzyl Chloride	16.99	91	326038	9.856	ppbv	98
67) sec-Butylbenzene	17.29	105	7527532	7.367	ppbv	100
69) p-Isopropyltoluene	17.65	119	6306106	7.573	ppbv	100
70) n-Butylbenzene	18.55	91	6145587	7.723	ppbv	100
71) 2-Chlorotoluene	15.46	91	4630696	7.864	ppbv	97
72) 4-Ethyltoluene	15.84	105	5332209	7.879	ppbv	100
73) 1,3,5-Trimethylbenzene	16.00	105	4807199	7.631	ppbv	99
74) 1,2,4-Trimethylbenzene	16.76	105	4917324	7.346	ppbv	92
75) 1,3-Dichlorobenzene	17.00	146	3012520	7.477	ppbv	98
76) 1,4-Dichlorobenzene	17.14	146	2906309	7.160	ppbv	97
77) 1,2-Dichlorobenzene	17.82	146	2893887	7.294	ppbv	99
78) Hexachloro-1,3-Butadiene	23.37	225	2197814	6.662	ppbv	99
79) Naphthalene	22.19	128	3553920	7.934	ppbv	96
80) Naphthalene, 2-methyl-	24.97	142	787961	6.314	ppbv	90
81) 1,2,4-Trichlorobenzene	21.92	180	2174667	7.736	ppbv	99

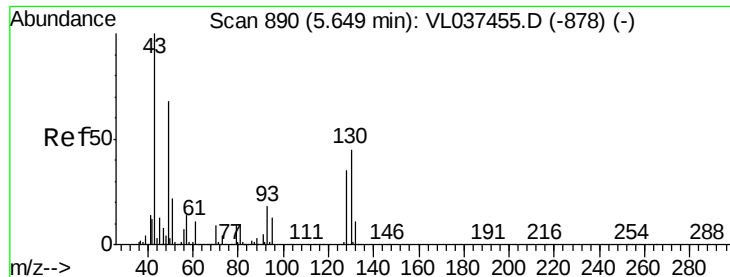
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 897

Delta R.T. 0.02 min

Lab File: VL037495.D

Acq: 19 Aug 2021 11:03

Instrument :

MSVOA_L

ClientSampleId :

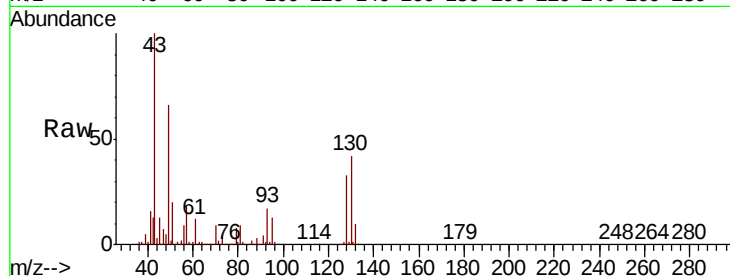
Tot Ion: 49 Resp: 1467766

Ion Ratio Lower Upper

49 100

128 56.0 27.5 82.4

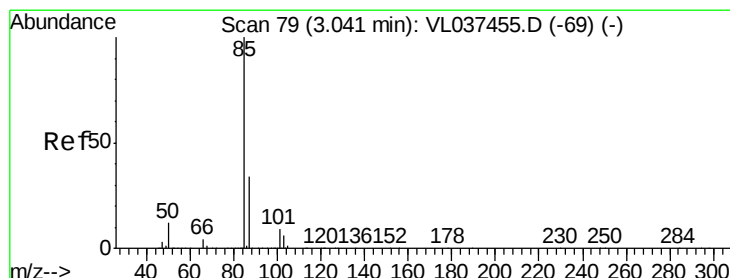
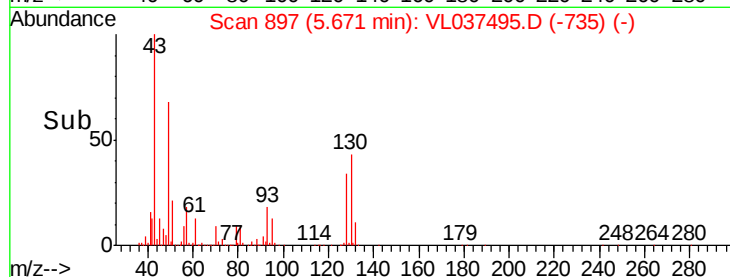
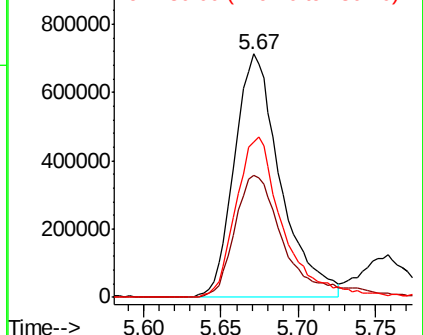
130 69.2 34.0 101.8



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: 12.636 ppbv

RT: 3.05 min Scan# 83

Delta R.T. 0.01 min

Lab File: VL037495.D

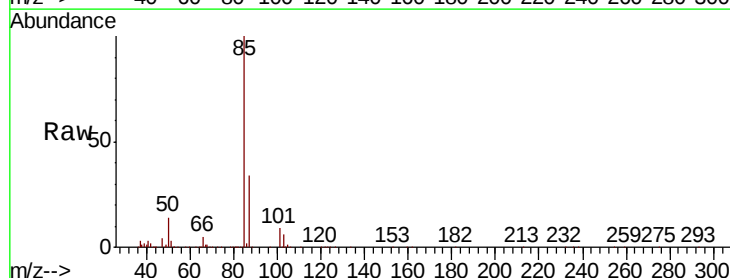
Acq: 19 Aug 2021 11:03

Tgt Ion: 85 Resp: 2975833

Ion Ratio Lower Upper

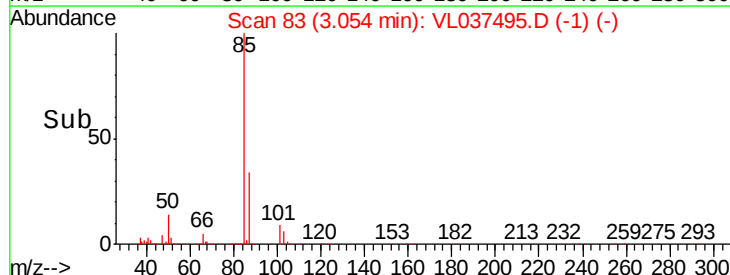
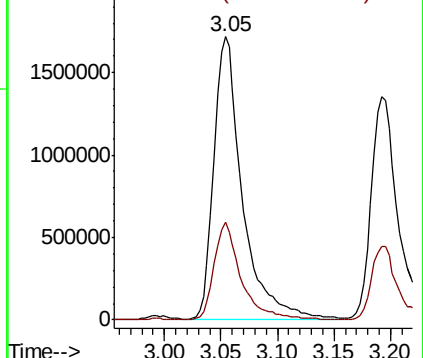
85 100

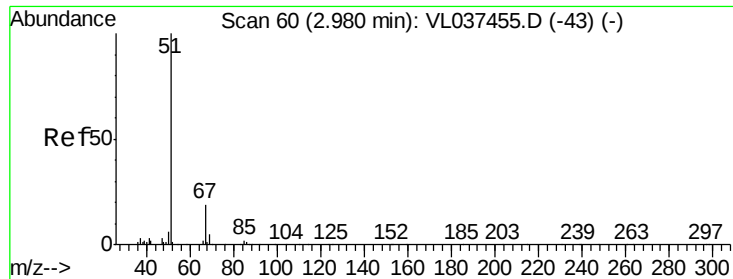
87 34.3 27.6 41.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

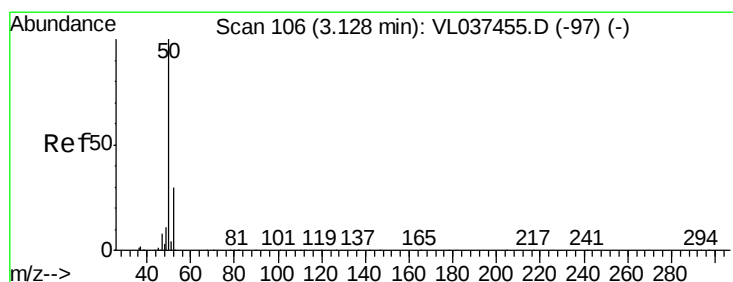
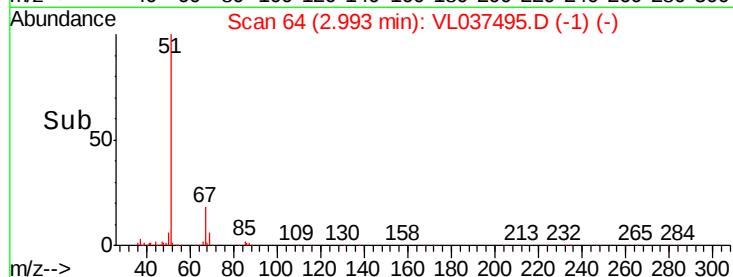
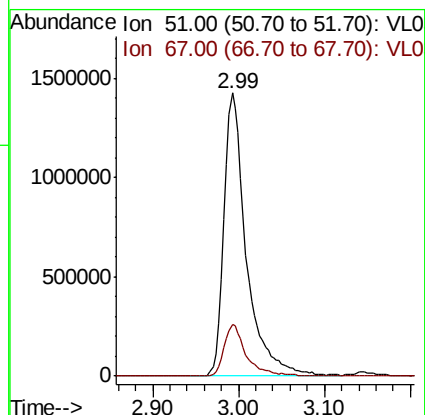
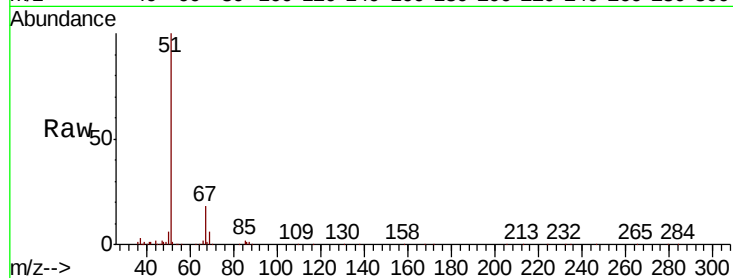




#3
Chlorodifluoromethane
Concen: 9.218 ppbv
RT: 2.99 min Scan# 64
Delta R.T. 0.01 min
Lab File: VL037495.D
Acq: 19 Aug 2021 11:03

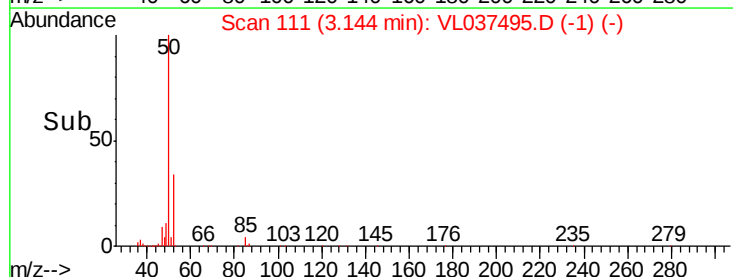
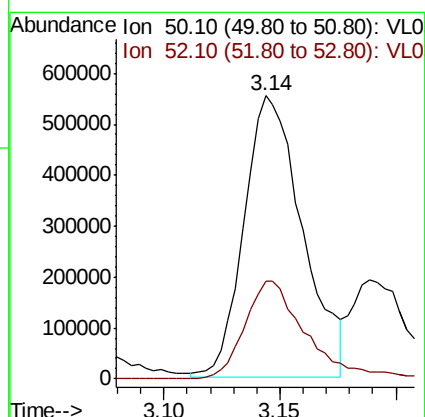
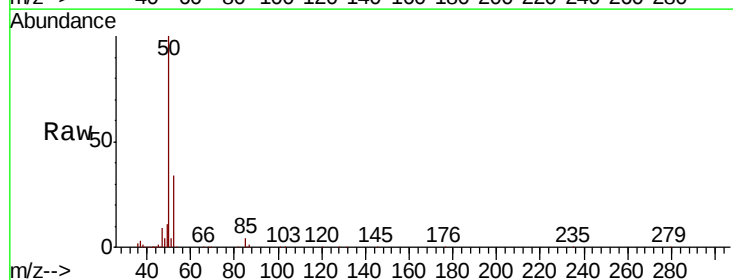
Instrument :
MSVOA_L
ClientSampleId :

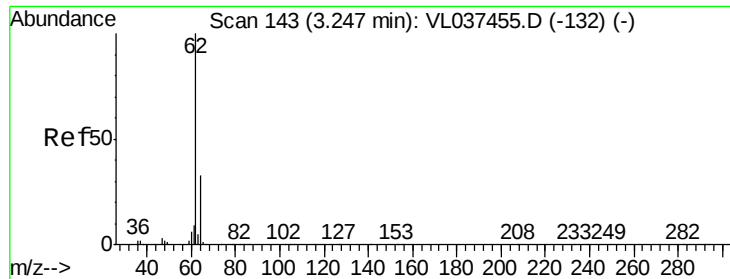
Tot Ion: 51 Resp: 2590867
Ion Ratio Lower Upper
51 100
67 18.2 14.2 21.2



#4
Chloromethane
Concen: 9.640 ppbv
RT: 3.14 min Scan# 111
Delta R.T. 0.02 min
Lab File: VL037495.D
Acq: 19 Aug 2021 11:03

Tgt Ion: 50 Resp: 968224
Ion Ratio Lower Upper
50 100
52 34.8 24.0 36.0





#5

Vinyl Chloride

Concen: 9.544 ppbv

RT: 3.26 min Scan# 148

Delta R.T. 0.02 min

Lab File: VL037495.D

Acq: 19 Aug 2021 11:03

Instrument :

MSVOA_L

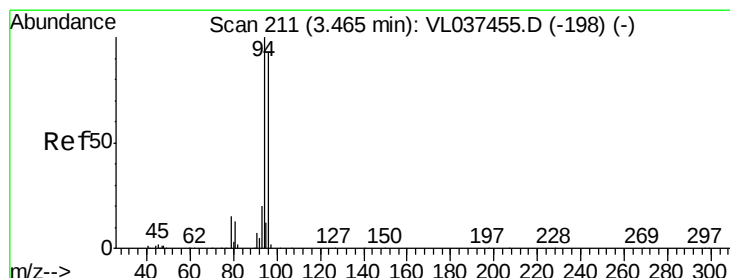
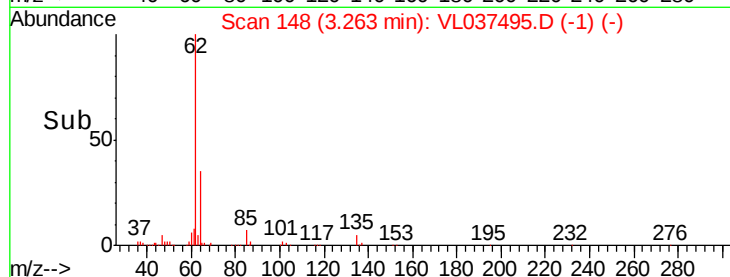
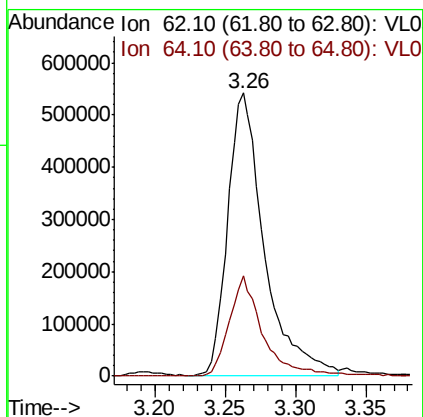
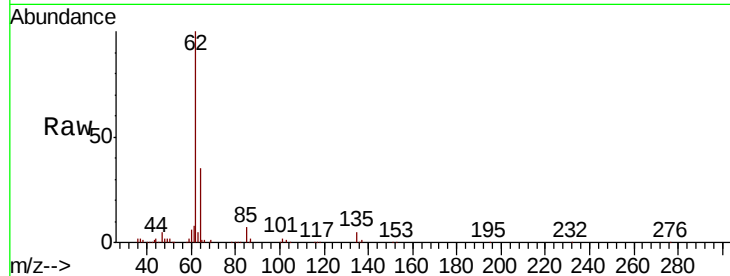
ClientSampleId :

Tot Ion: 62 Resp: 982012

Ion Ratio Lower Upper

62 100

64 35.5 26.5 39.7



#6

Bromomethane

Concen: 8.314 ppbv

RT: 3.48 min Scan# 215

Delta R.T. 0.01 min

Lab File: VL037495.D

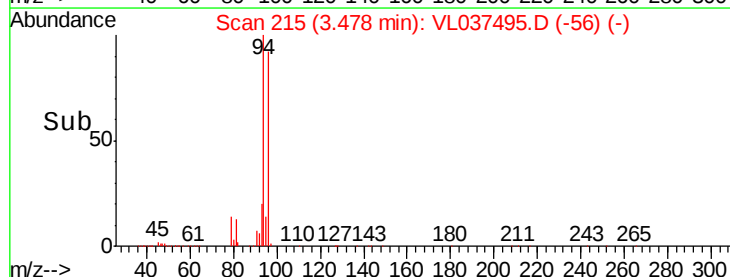
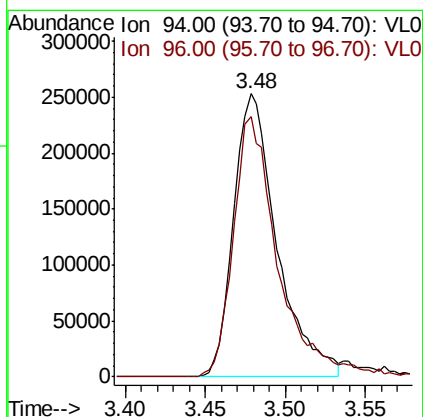
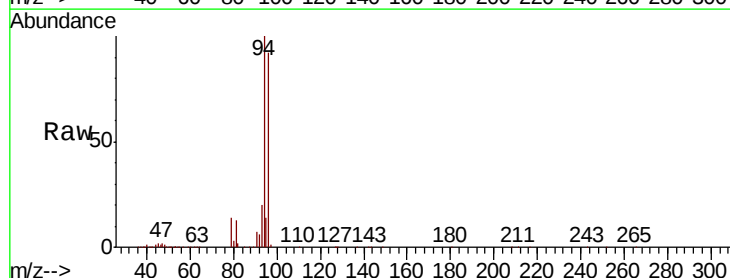
Acq: 19 Aug 2021 11:03

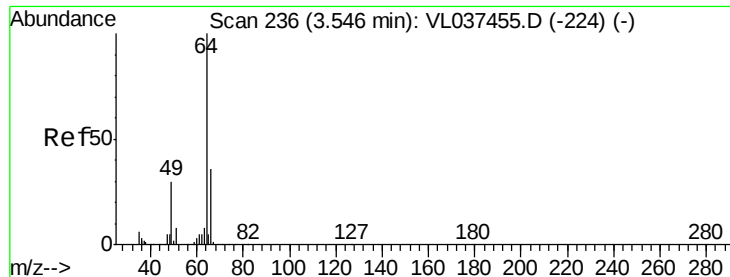
Tgt Ion: 94 Resp: 468612

Ion Ratio Lower Upper

94 100

96 92.1 74.5 111.7





#7

Chloroethane

Concen: 9.397 ppbv

RT: 3.56 min Scan# 241

Delta R.T. 0.02 min

Lab File: VL037495.D

Acq: 19 Aug 2021 11:03

Instrument :

MSVOA_L

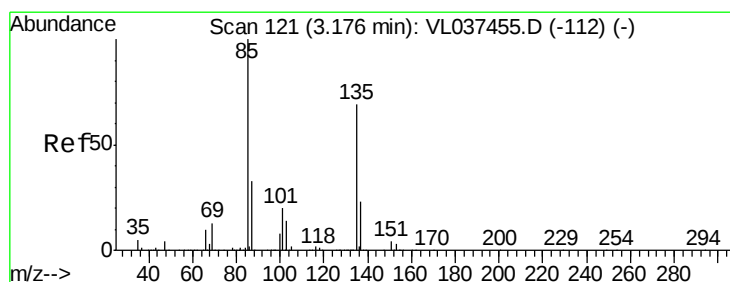
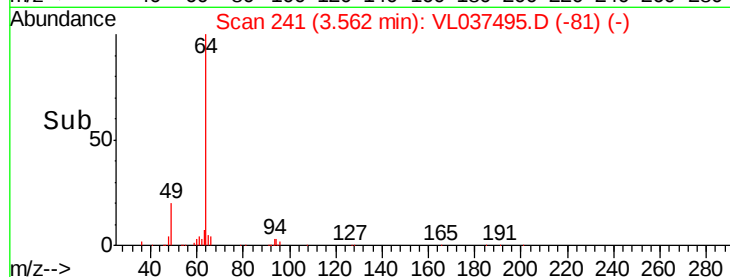
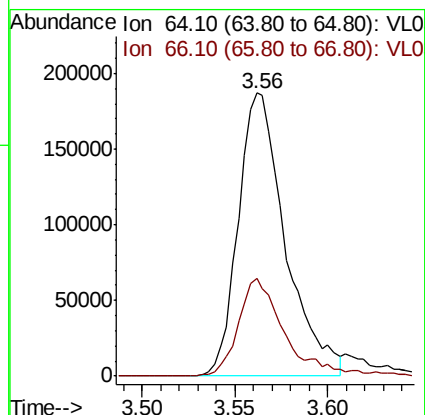
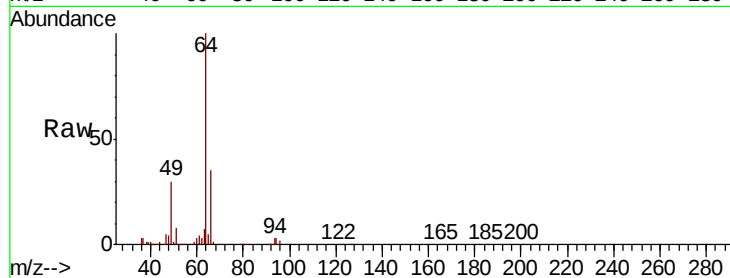
ClientSampleId :

Tot Ion: 64 Resp: 330039

Ion Ratio Lower Upper

64 100

66 34.5 28.6 43.0



#8

Dichlorotetrafluoroethane

Concen: 9.305 ppbv

RT: 3.19 min Scan# 126

Delta R.T. 0.02 min

Lab File: VL037495.D

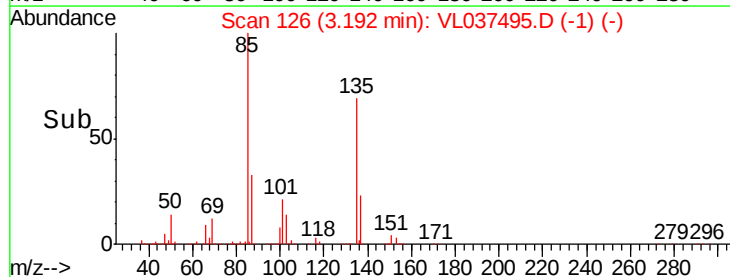
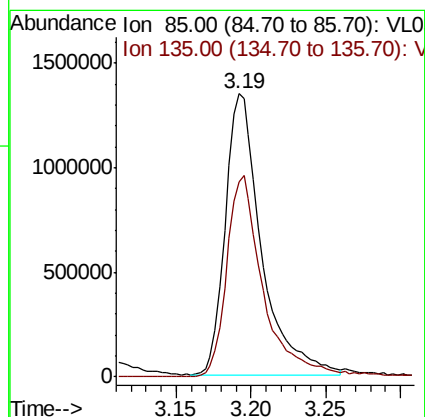
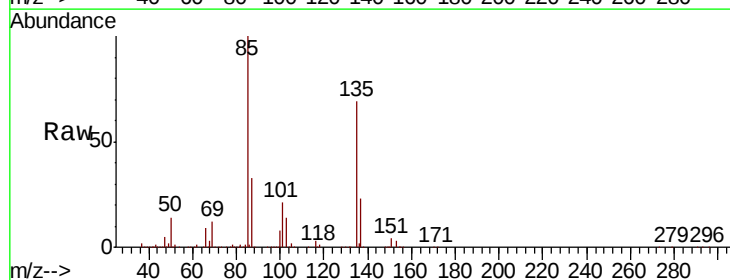
Acq: 19 Aug 2021 11:03

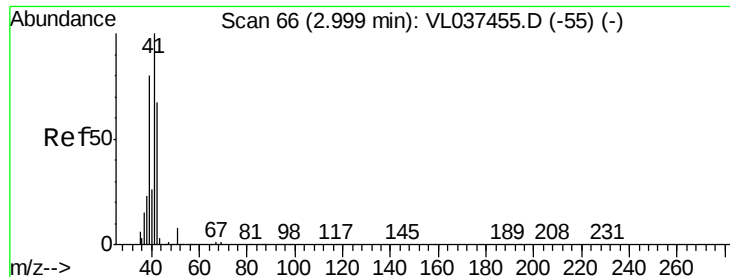
Tgt Ion: 85 Resp: 2262277

Ion Ratio Lower Upper

85 100

135 73.9 58.8 88.2





#9

Propene

Concen: 9.047 ppbv

RT: 3.02 min Scan# 71

Delta R.T. 0.02 min

Lab File: VL037495.D

Acq: 19 Aug 2021 11:03

Instrument :

MSVOA_L

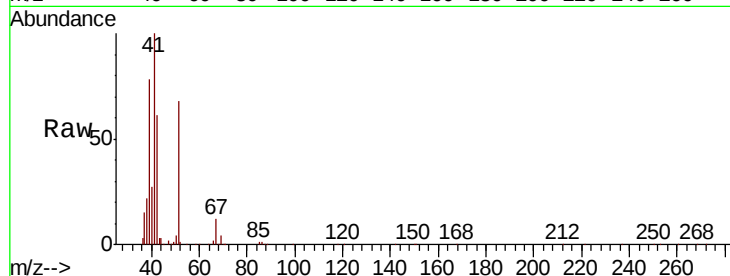
ClientSampleId :

Tot Ion: 41 Resp: 909748

Ion Ratio Lower Upper

41 100

42 67.0 53.7 80.5



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

3.02

600000

500000

400000

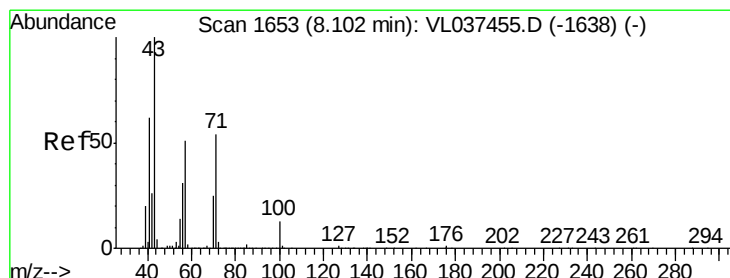
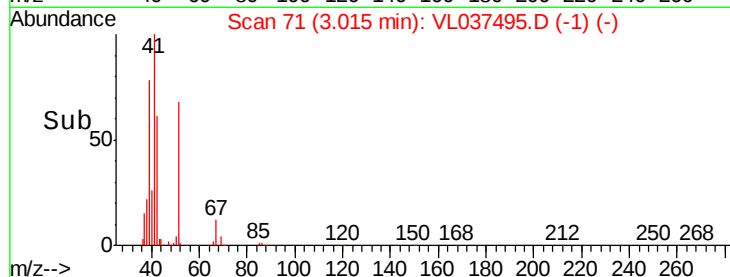
300000

200000

100000

0

Time-->



#10

Heptane

Concen: 10.082 ppbv

RT: 8.13 min Scan# 1661

Delta R.T. 0.03 min

Lab File: VL037495.D

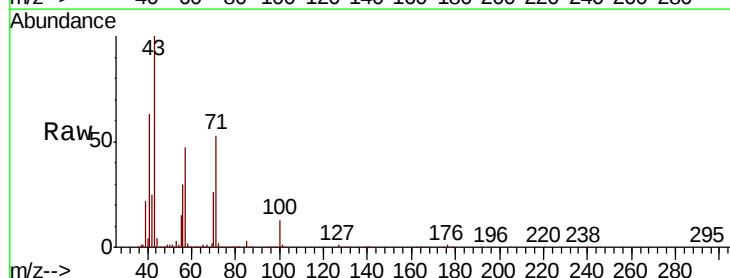
Acq: 19 Aug 2021 11:03

Tgt Ion: 43 Resp: 2333671

Ion Ratio Lower Upper

43 100

57 49.9 41.0 61.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

8.13

1200000

1000000

800000

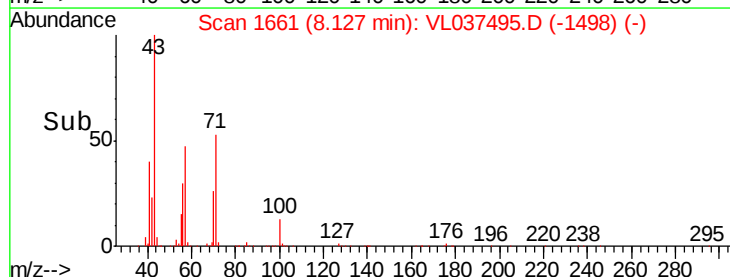
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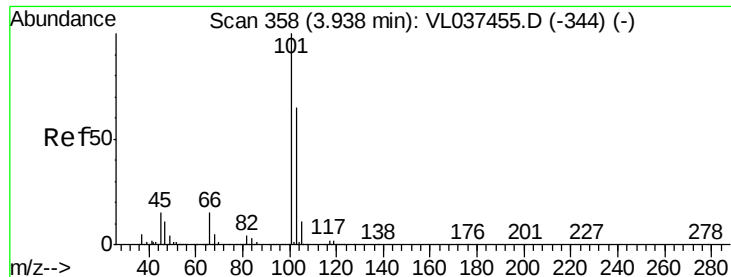
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200000

0

Time-->

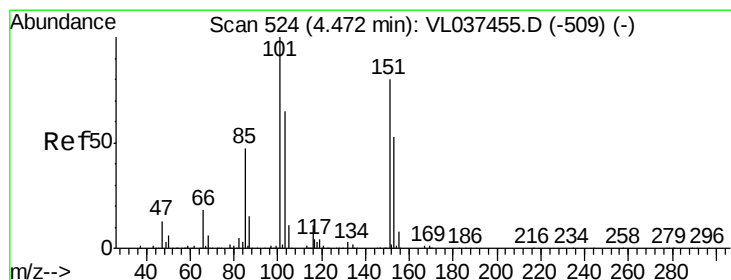
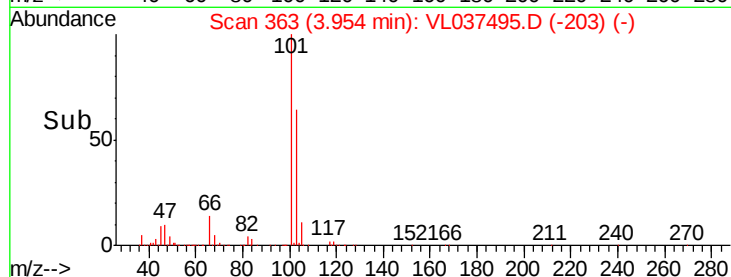
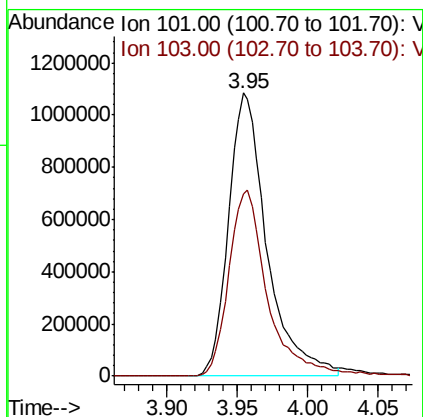
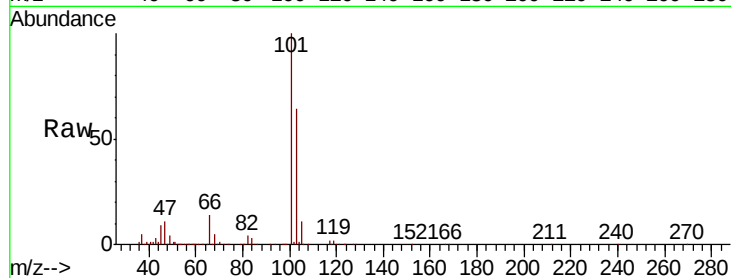




#11
 Trichlorofluoromethane
 Concen: 9.365 ppbv
 RT: 3.95 min Scan# 363
 Delta R.T. 0.02 min
 Lab File: VL037495.D
 Acq: 19 Aug 2021 11:03

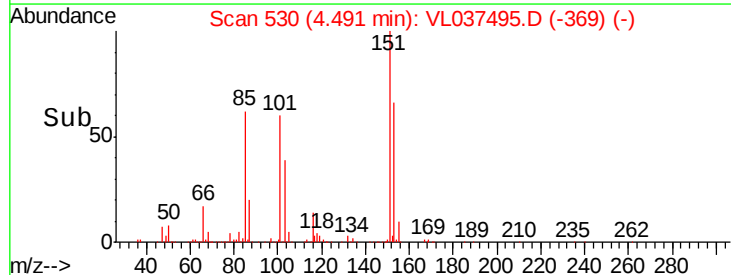
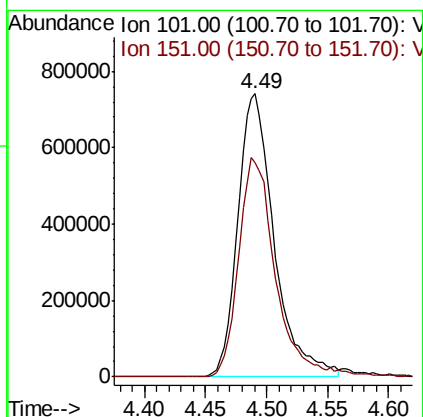
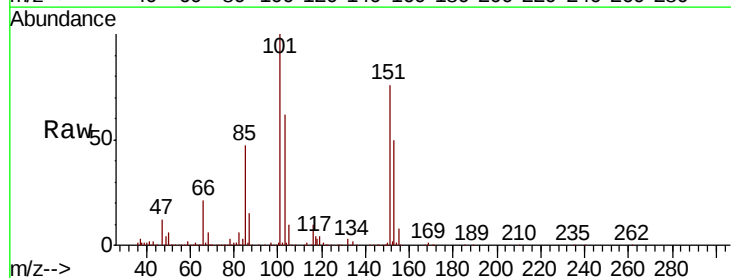
Instrument :
 MSVOA_L
 ClientSampleId :

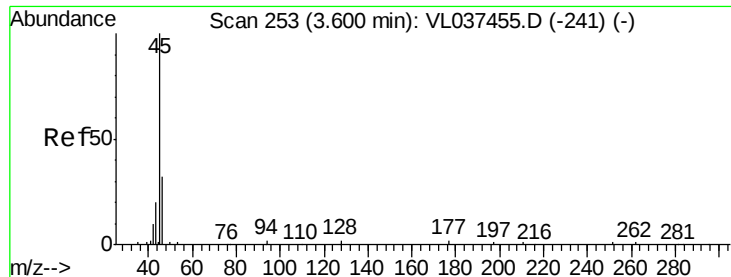
Tot Ion:101 Resp: 2070341
 Ion Ratio Lower Upper
 101 100
 103 64.2 51.8 77.6



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.398 ppbv
 RT: 4.49 min Scan# 530
 Delta R.T. 0.02 min
 Lab File: VL037495.D
 Acq: 19 Aug 2021 11:03

Tgt Ion:101 Resp: 1524536
 Ion Ratio Lower Upper
 101 100
 151 79.3 63.7 95.5

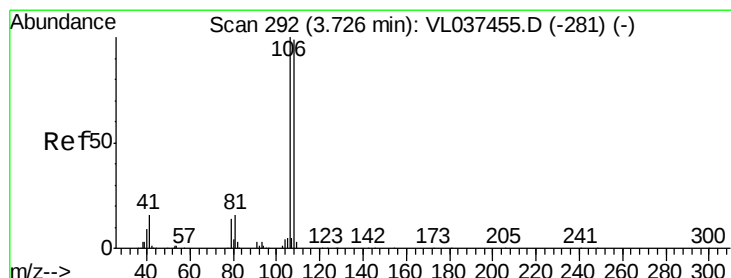
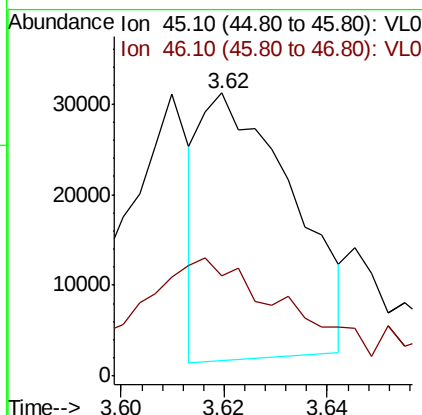
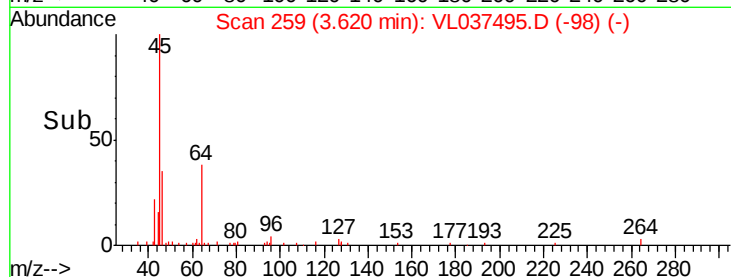
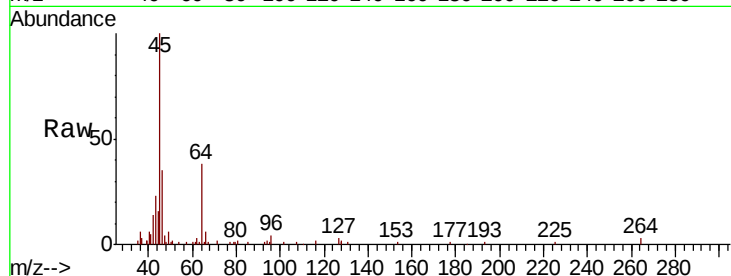




#13
Ethanol
Concen: 3.693 ppbv
RT: 3.62 min Scan# 259
Delta R.T. 0.02 min
Lab File: VL037495.D
Acq: 19 Aug 2021 11:03

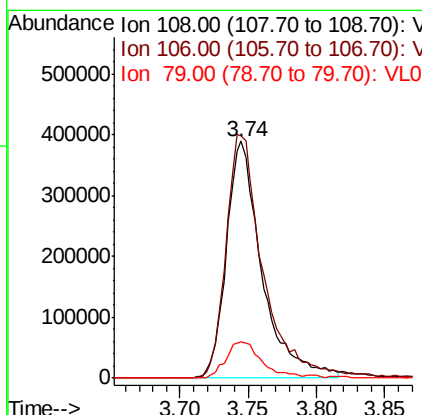
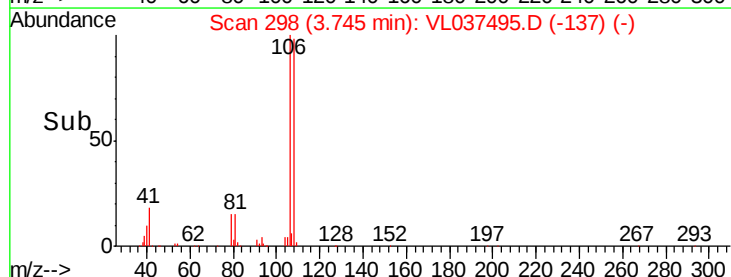
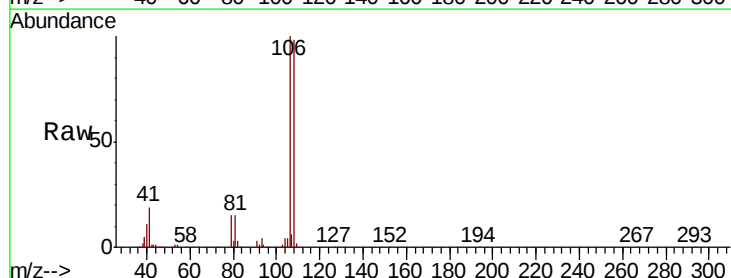
Instrument :
MSVOA_L
ClientSampleId :

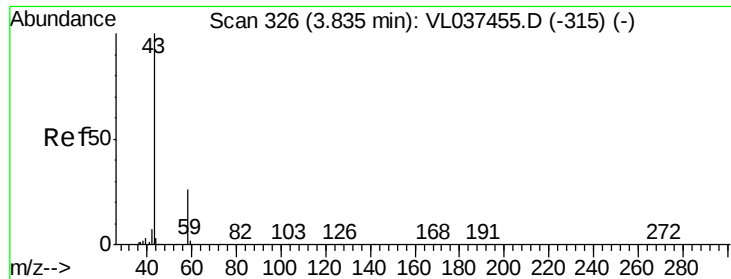
Tot Ion: 45 Resp: 36138
Ion Ratio Lower Upper
45 100
46 102.1 14.1 56.5#



#14
Bromoethene
Concen: 9.566 ppbv
RT: 3.74 min Scan# 298
Delta R.T. 0.02 min
Lab File: VL037495.D
Acq: 19 Aug 2021 11:03

Tgt Ion: 108 Resp: 704491
Ion Ratio Lower Upper
108 100
106 109.2 85.8 128.8
79 16.5 12.6 18.8

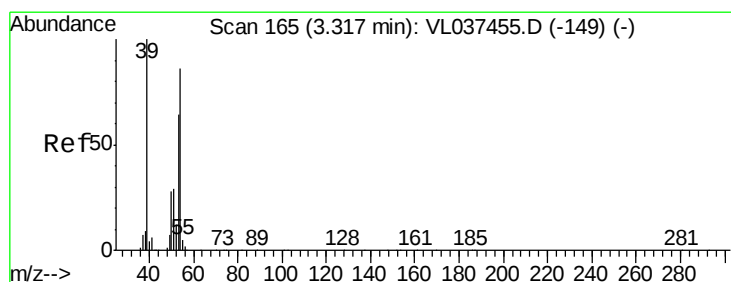
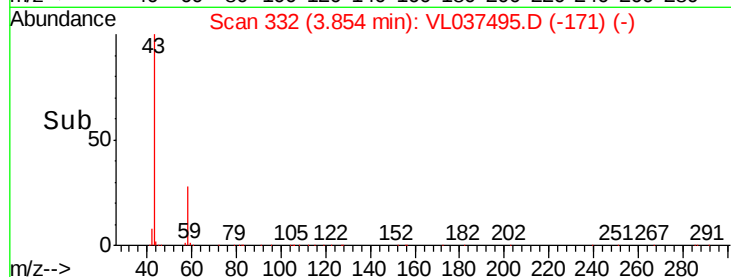
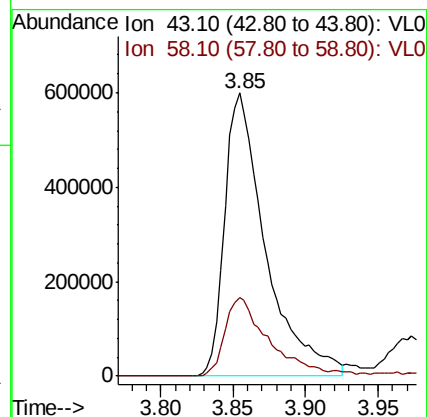
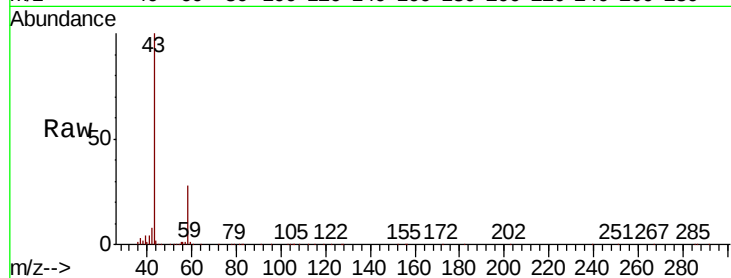




#15
Acetone
Concen: 7.861 ppbv
RT: 3.85 min Scan# 332
Delta R.T. 0.02 min
Lab File: VL037495.D
Acq: 19 Aug 2021 11:03

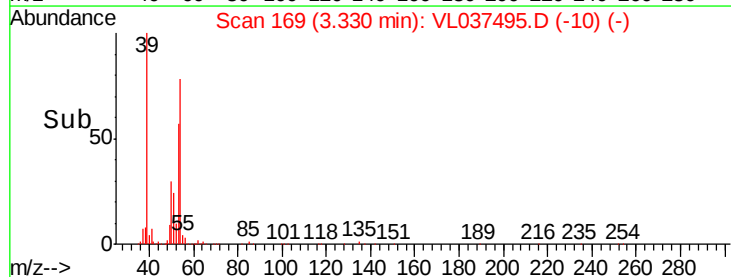
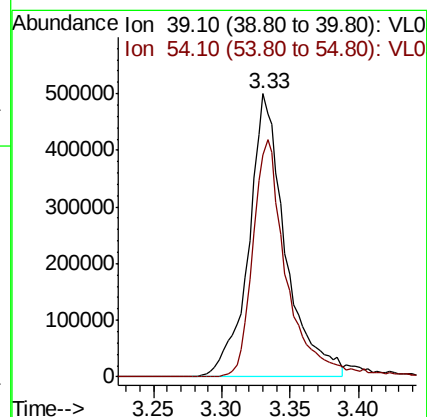
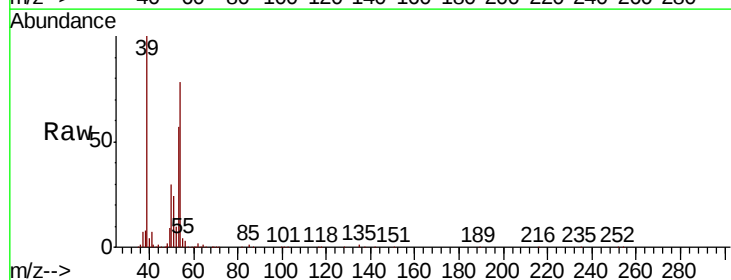
Instrument :
MSVOA_L
ClientSampleId :

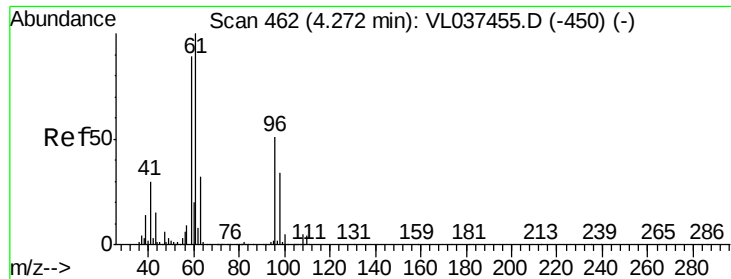
Tot Ion: 43 Resp: 1174273
Ion Ratio Lower Upper
43 100
58 30.6 24.8 37.2



#16
1,3-Butadiene
Concen: 9.737 ppbv
RT: 3.33 min Scan# 169
Delta R.T. 0.01 min
Lab File: VL037495.D
Acq: 19 Aug 2021 11:03

Tgt Ion: 39 Resp: 932999
Ion Ratio Lower Upper
39 100
54 78.1 63.7 95.5



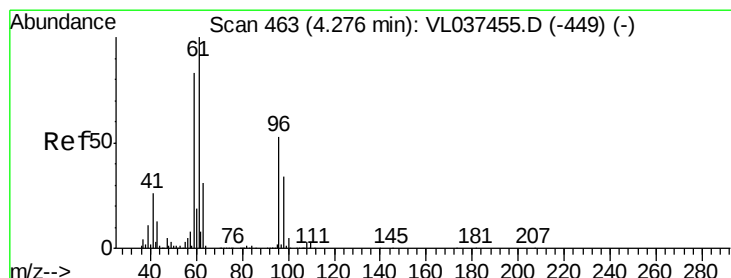
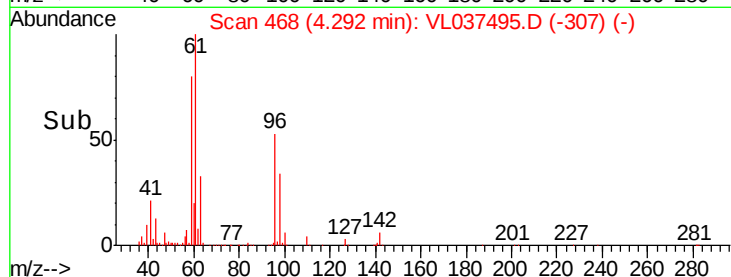
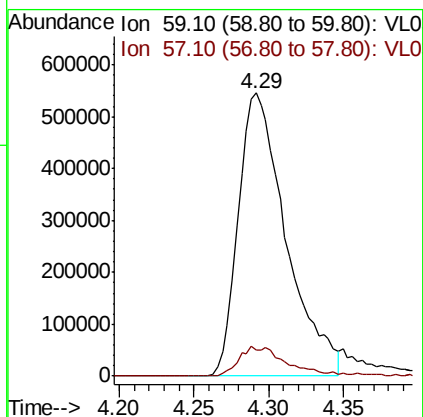
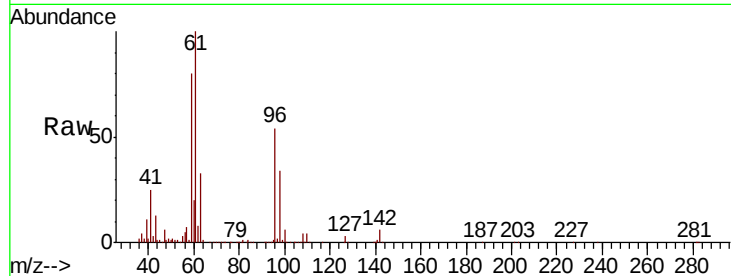


#17

tert-Butyl alcohol
Concen: 8.894 ppbv
RT: 4.29 min Scan# 468
Delta R.T. 0.02 min
Lab File: VL037495.D
Acq: 19 Aug 2021 11:03

Instrument :
MSVOA_L
ClientSampleId :

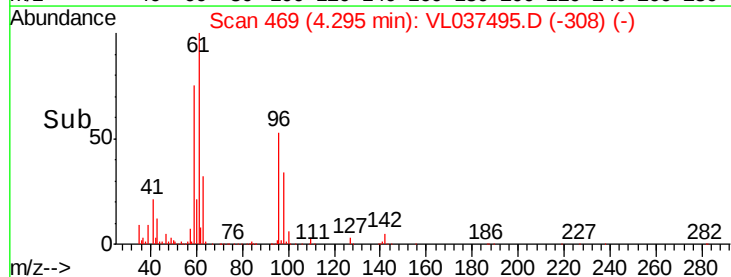
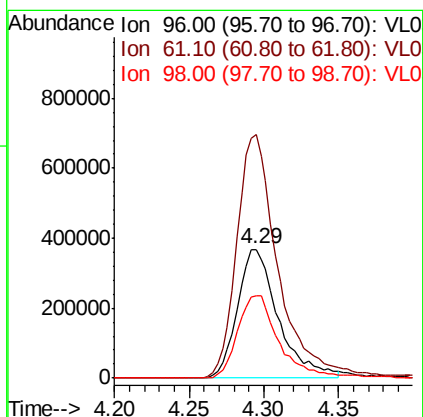
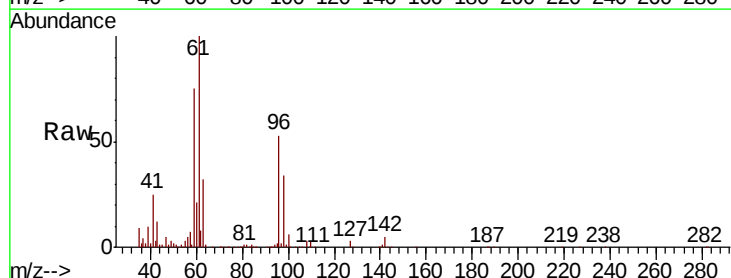
Tot Ion: 59 Resp: 1213679
Ion Ratio Lower Upper
59 100
57 11.1 8.3 12.5

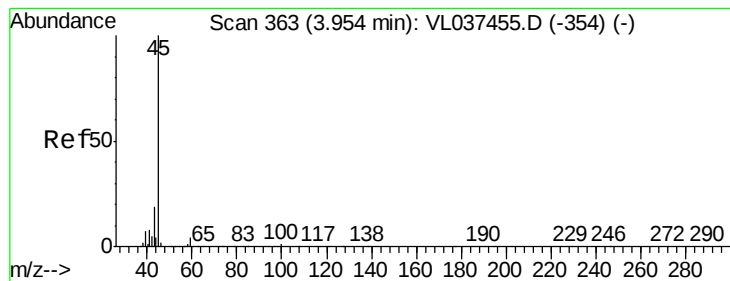


#18

1,1-Dichloroethene
Concen: 9.493 ppbv
RT: 4.29 min Scan# 469
Delta R.T. 0.02 min
Lab File: VL037495.D
Acq: 19 Aug 2021 11:03

Tgt Ion: 96 Resp: 699512
Ion Ratio Lower Upper
96 100
61 189.0 151.1 226.7
98 63.9 51.8 77.8





#19

Isopropyl Alcohol

Concen: 8.349 ppbv

RT: 3.97 min Scan# 369

Delta R.T. 0.02 min

Lab File: VL037495.D

Acq: 19 Aug 2021 11:03

Instrument :

MSVOA_L

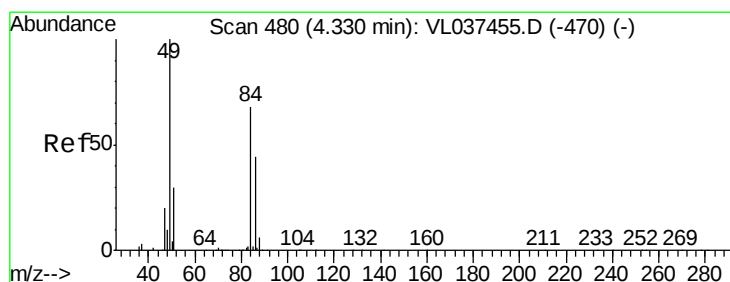
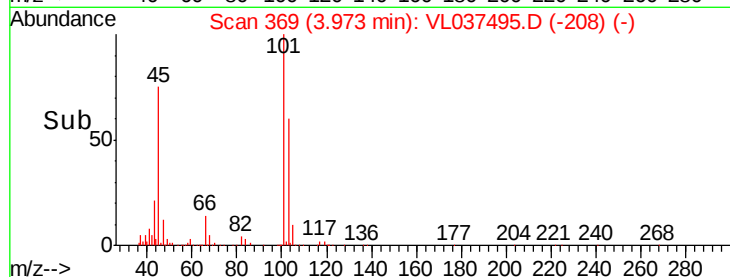
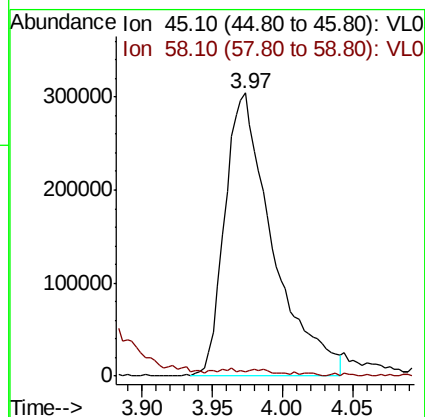
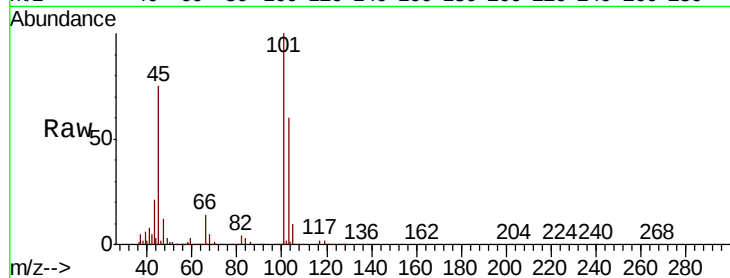
ClientSampleId :

Tot Ion: 45 Resp: 714451

Ion Ratio Lower Upper

45 100

58 2.4 1.4 2.2#



#20

Methylene Chloride

Concen: 8.333 ppbv

RT: 4.35 min Scan# 485

Delta R.T. 0.02 min

Lab File: VL037495.D

Acq: 19 Aug 2021 11:03

Tgt Ion: 84 Resp: 623225

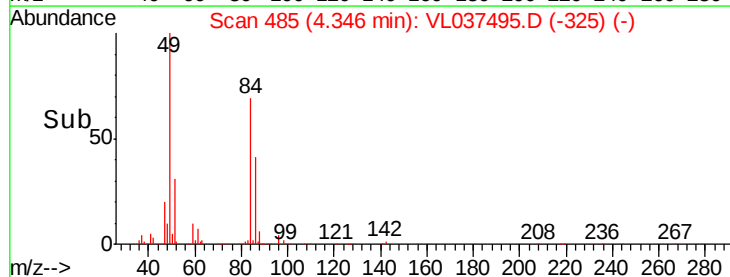
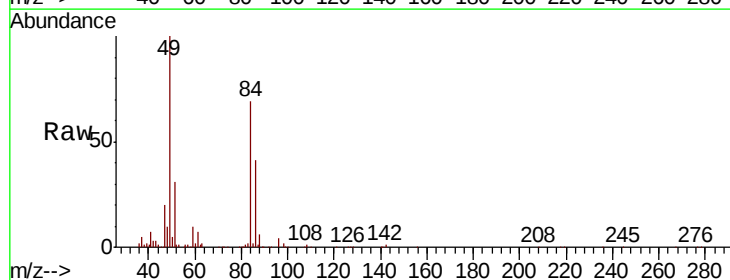
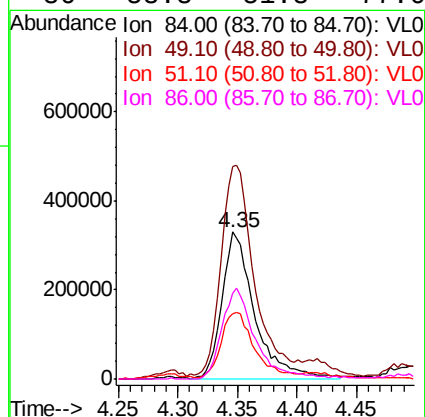
Ion Ratio Lower Upper

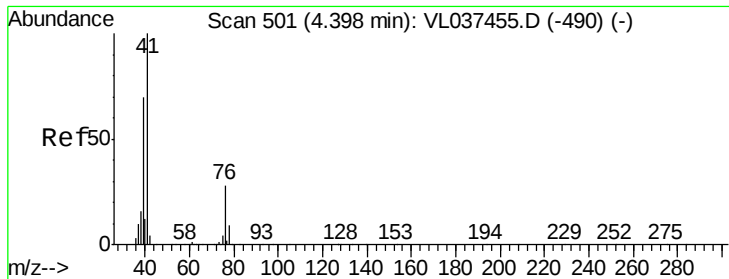
84 100

49 142.3 118.2 177.2

51 43.2 36.6 55.0

86 58.8 51.8 77.6





#21

Allvl Chloride

Concen: 8.780 ppbv

RT: 4.42 min Scan# 507

Delta R.T. 0.02 min

Lab File: VL037495.D

Acq: 19 Aug 2021 11:03

Instrument :
MSVOA_L
ClientSampleId :

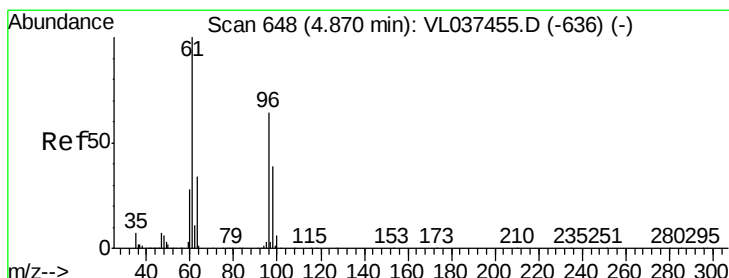
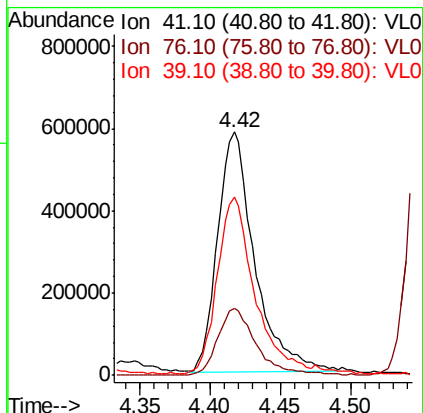
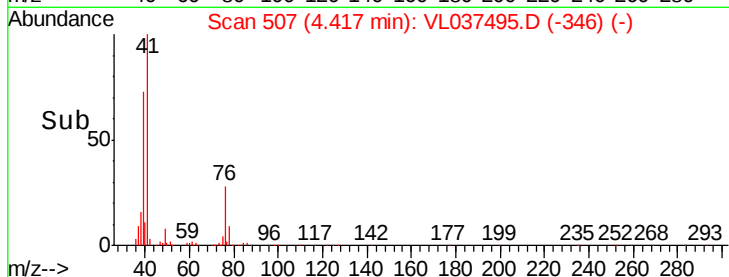
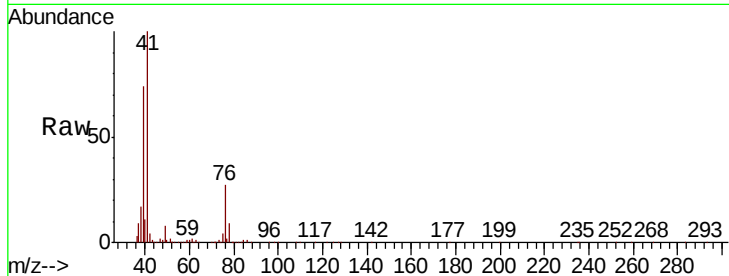
Tot Ion: 41 Resp: 1065258

Ion Ratio Lower Upper

41 100

76 29.3 21.8 32.6

39 77.3 56.8 85.2



#22

trans-1,2-Dichloroethene

Concen: 9.464 ppbv

RT: 4.89 min Scan# 654

Delta R.T. 0.02 min

Lab File: VL037495.D

Acq: 19 Aug 2021 11:03

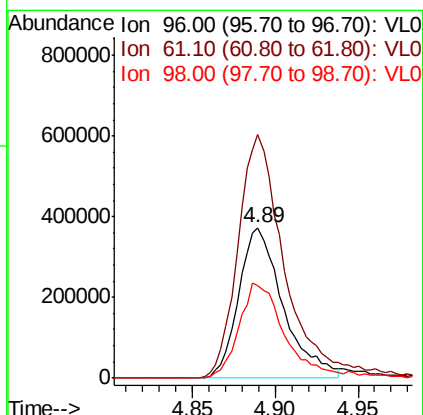
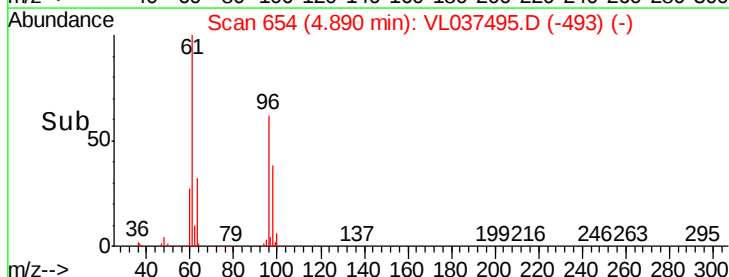
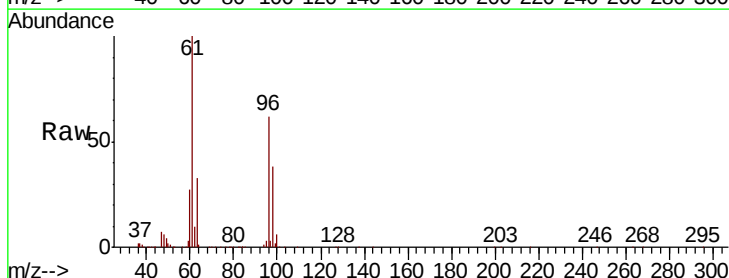
Tgt Ion: 96 Resp: 695766

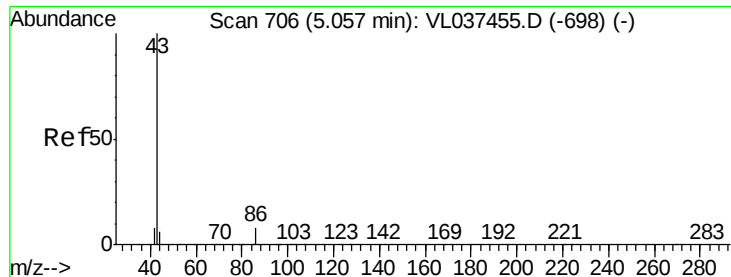
Ion Ratio Lower Upper

96 100

61 162.0 125.5 188.3

98 61.6 49.0 73.4

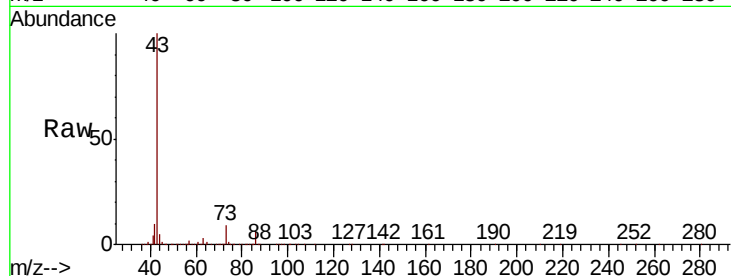




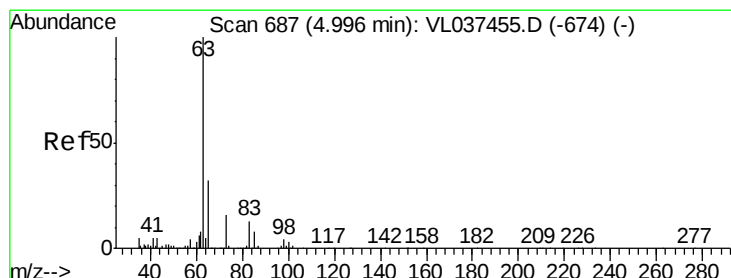
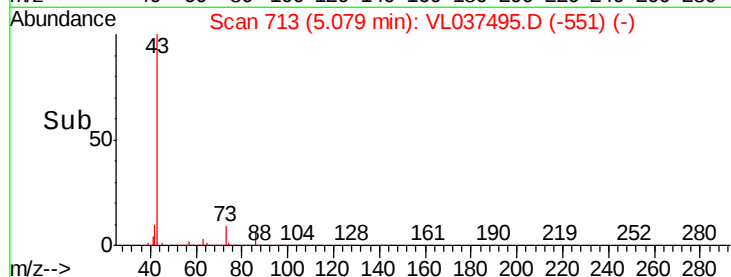
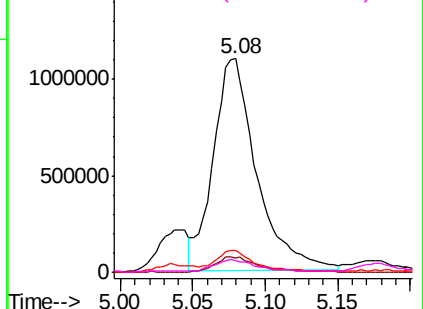
#23
 Vinyl Acetate
 Concen: 10.428 ppbv
 RT: 5.08 min Scan# 713
 Delta R.T. 0.02 min
 Lab File: VL037495.D
 Acq: 19 Aug 2021 11:03

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:	43	Resp:	2295955
Ion	Ratio	Lower	Upper
43	100		
86	6.5	5.7	8.5
42	9.8	7.4	11.2
44	5.1	4.3	6.5

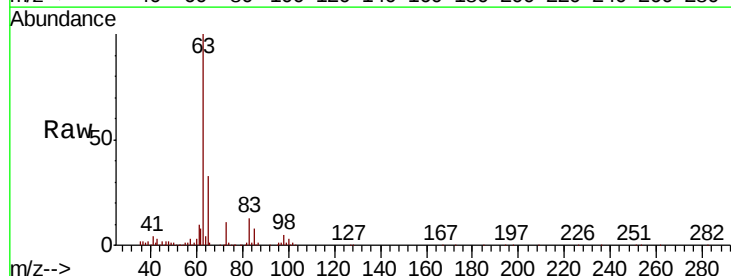


Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 86.10 (85.80 to 86.80): VL0
 Ion 42.10 (41.80 to 42.80): VL0
 Ion 44.10 (43.80 to 44.80): VL0

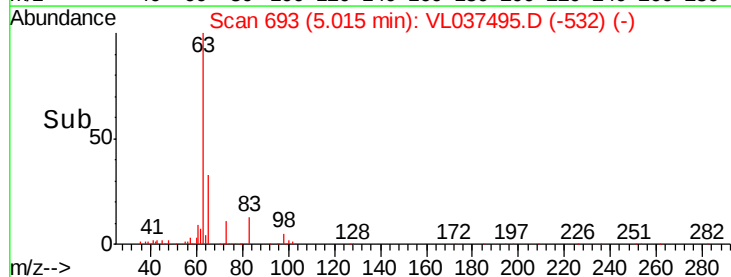
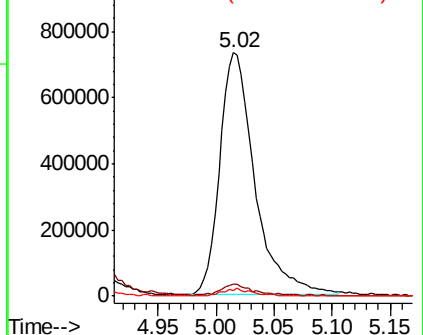


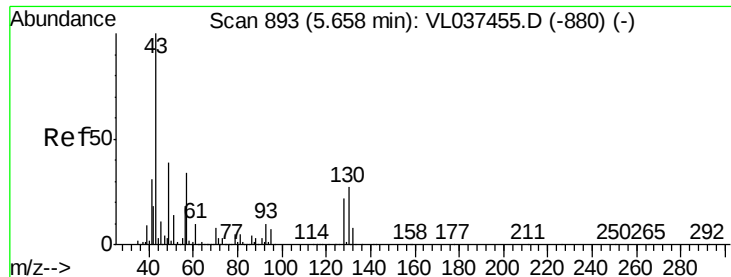
#24
 1,1-Dichloroethane
 Concen: 9.608 ppbv
 RT: 5.02 min Scan# 693
 Delta R.T. 0.02 min
 Lab File: VL037495.D
 Acq: 19 Aug 2021 11:03

Tgt Ion:	63	Resp:	1534261
Ion	Ratio	Lower	Upper
63	100		
98	4.4	2.1	6.3
100	2.5	1.6	4.7



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



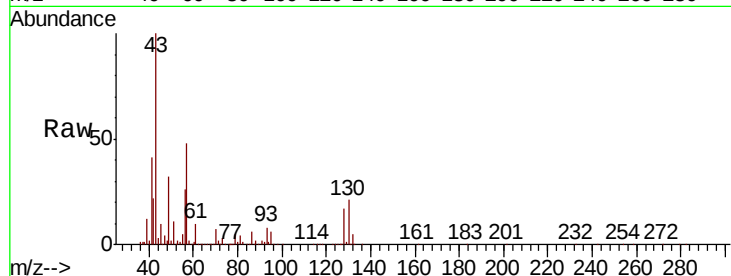


#25
Ethyl Acetate
Concen: 9.552 ppbv
RT: 5.68 min Scan# 901
Delta R.T. 0.03 min
Lab File: VL037495.D
Acq: 19 Aug 2021 11:03

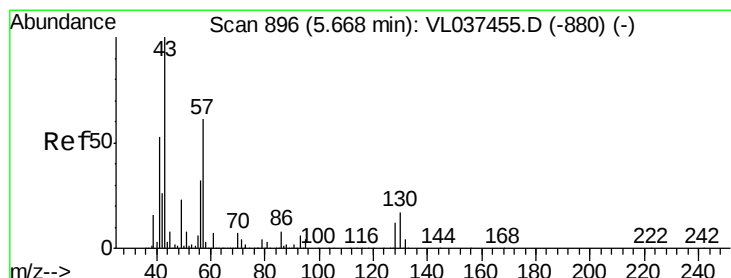
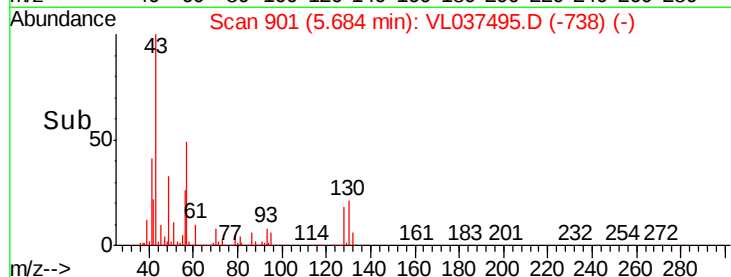
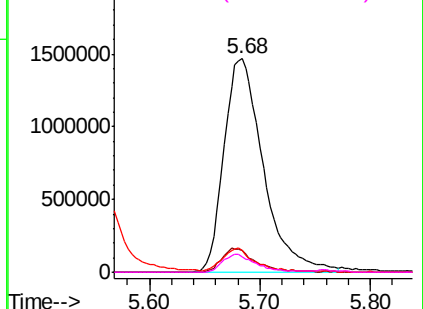
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 3622165

Ion	Ratio	Lower	Upper
43	100		
45	9.8	8.0	12.0
61	9.8	8.0	12.0
70	7.2	5.6	8.4



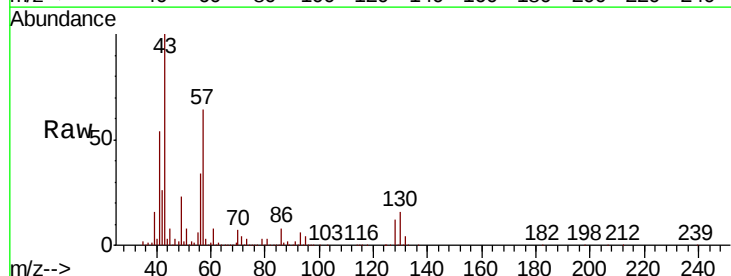
Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0



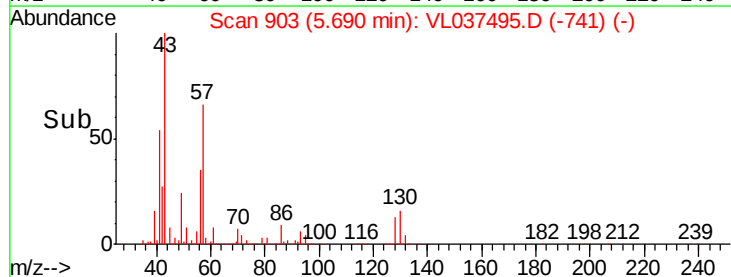
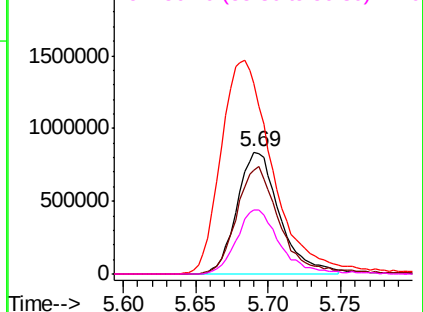
#26
Hexane
Concen: 9.228 ppbv
RT: 5.69 min Scan# 903
Delta R.T. 0.02 min
Lab File: VL037495.D
Acq: 19 Aug 2021 11:03

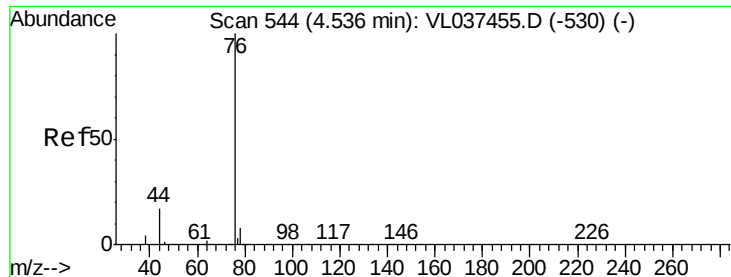
Tgt Ion: 57 Resp: 1711006

Ion	Ratio	Lower	Upper
57	100		
41	90.2	72.3	108.5
43	214.5	172.3	258.5
56	54.4	42.8	64.2



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





#27

Carbon Disulfide

Concen: 10.335 ppbv

RT: 4.56 min Scan# 550

Delta R.T. 0.02 min

Lab File: VL037495.D

Acq: 19 Aug 2021 11:03

Instrument :
MSVOA_L
ClientSampleId :

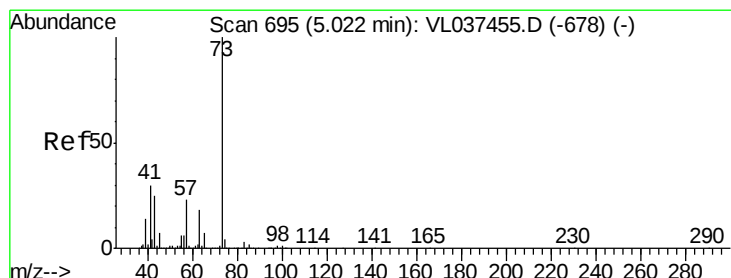
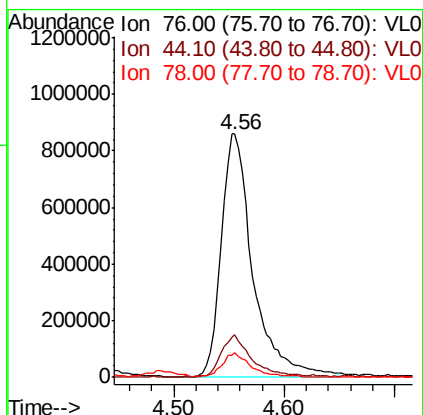
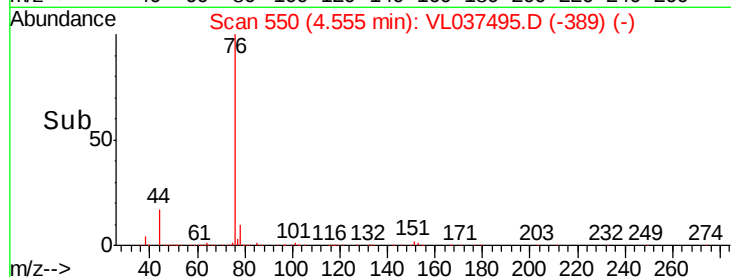
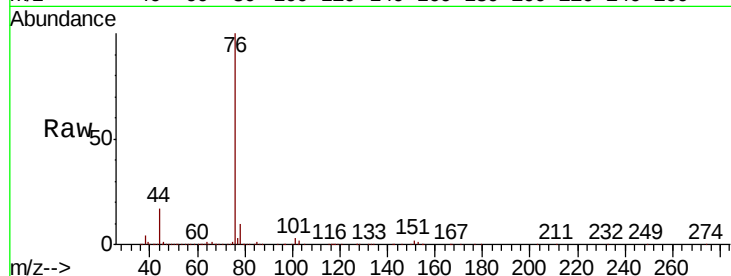
Tot Ion: 76 Resp: 1707642

Ion	Ratio	Lower	Upper
76	100		
44	17.3	13.9	20.9
78	9.9	7.9	11.9

76 100

44 17.3 13.9 20.9

78 9.9 7.9 11.9



#28

Methyl tert-Butyl Ether

Concen: 10.167 ppbv

RT: 5.04 min Scan# 701

Delta R.T. 0.02 min

Lab File: VL037495.D

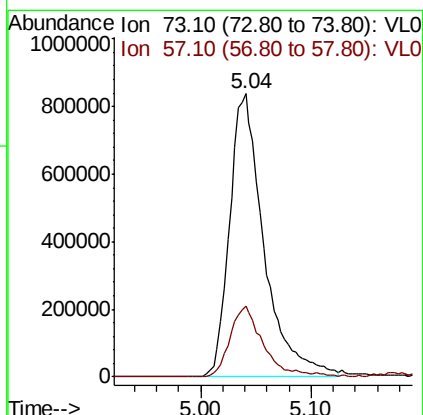
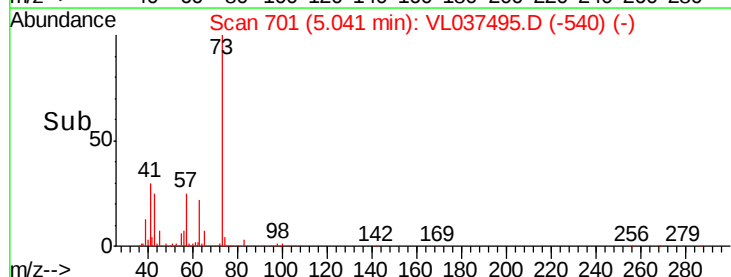
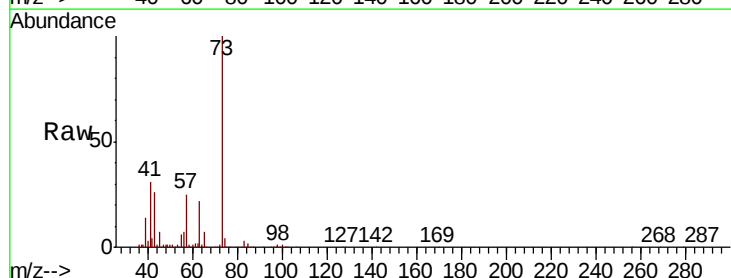
Acq: 19 Aug 2021 11:03

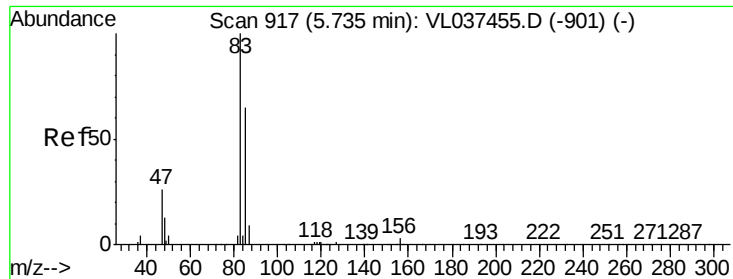
Tgt Ion: 73 Resp: 1810407

Ion	Ratio	Lower	Upper
73	100		
57	24.5	19.4	29.2

73 100

57 24.5 19.4 29.2





#29

Chloroform

Concen: 9.612 ppbv

RT: 5.76 min Scan# 924

Delta R.T. 0.02 min

Lab File: VL037495.D

Acq: 19 Aug 2021 11:03

Instrument :

MSVOA_L

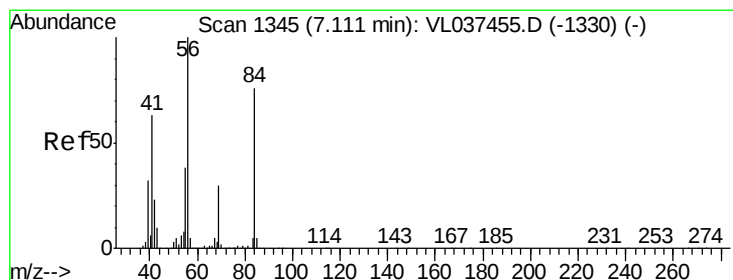
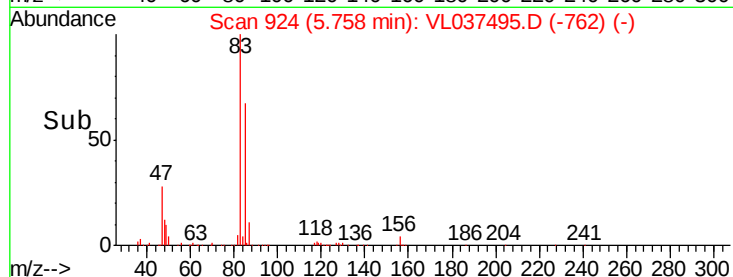
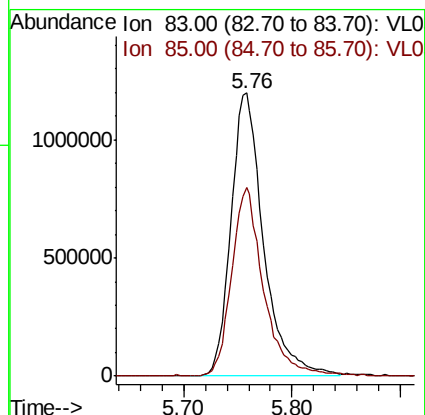
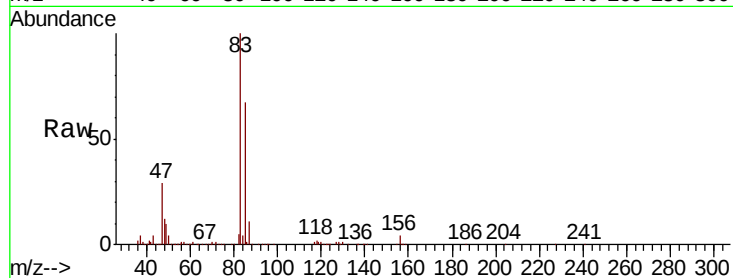
ClientSampleId :

Tot Ion: 83 Resp: 2525748

Ion Ratio Lower Upper

83 100

85 66.5 52.3 78.5



#30

Cyclohexane

Concen: 9.684 ppbv

RT: 7.14 min Scan# 1353

Delta R.T. 0.03 min

Lab File: VL037495.D

Acq: 19 Aug 2021 11:03

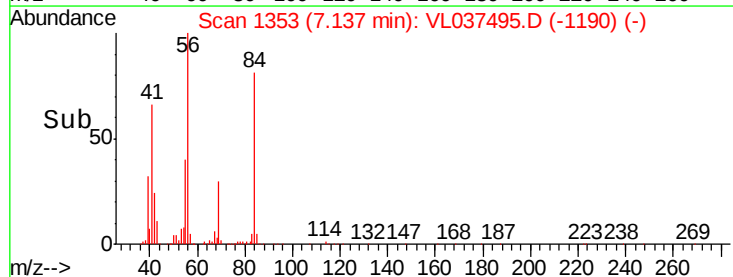
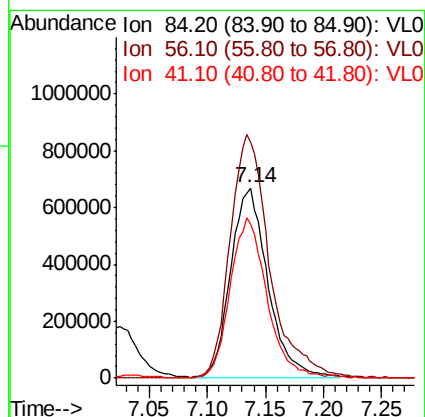
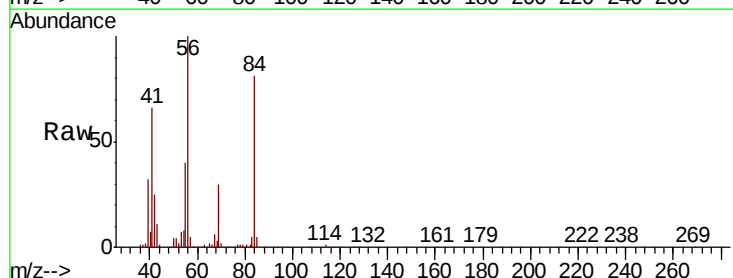
Tgt Ion: 84 Resp: 1496055

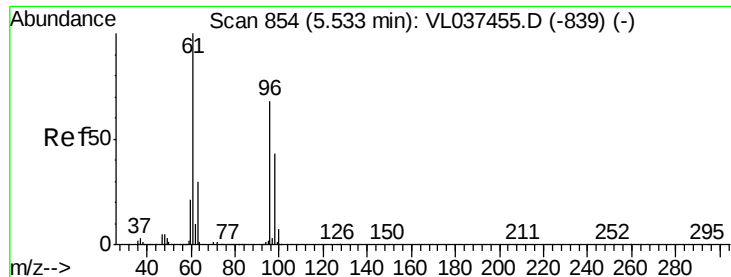
Ion Ratio Lower Upper

84 100

56 136.1 110.6 165.8

41 82.9 67.0 100.6





#31

cis-1,2-Dichloroethene

Concen: 9.834 ppbv

RT: 5.55 min Scan# 860

Delta R.T. 0.02 min

Lab File: VL037495.D

Acq: 19 Aug 2021 11:03

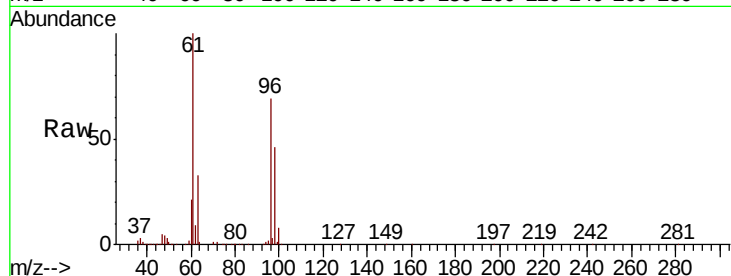
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 61 Resp: 1650109

Ion	Ratio	Lower	Upper
61	100		
96	68.7	54.8	82.2
98	45.7	34.2	51.2

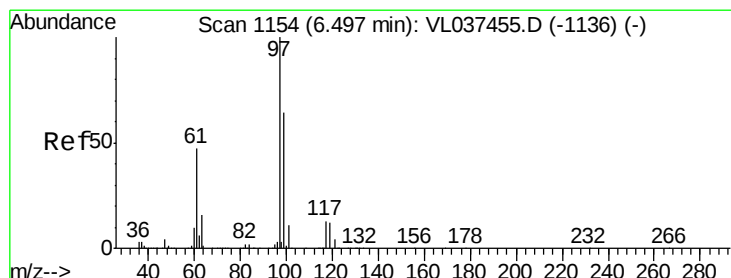
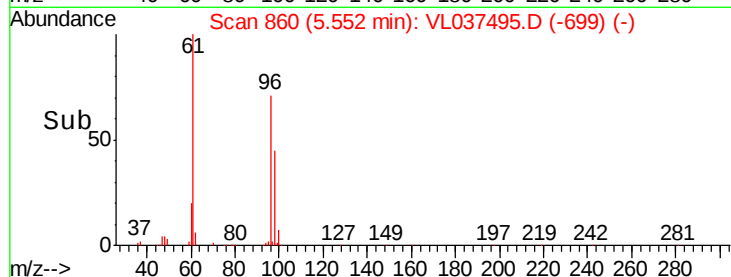
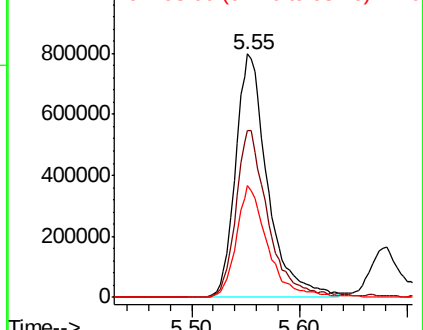


Abundance

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: 9.485 ppbv

RT: 6.52 min Scan# 1160

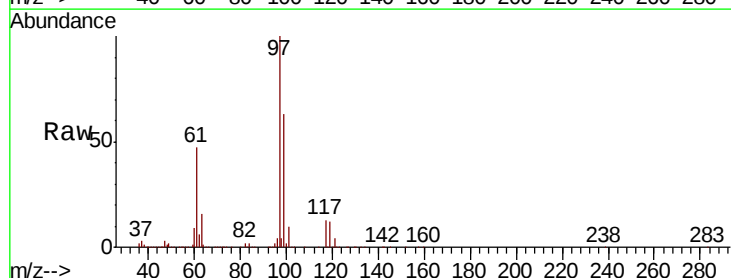
Delta R.T. 0.02 min

Lab File: VL037495.D

Acq: 19 Aug 2021 11:03

Tgt Ion: 97 Resp: 2448724

Ion	Ratio	Lower	Upper
97	100		
99	65.5	51.8	77.6
61	50.2	39.6	59.4

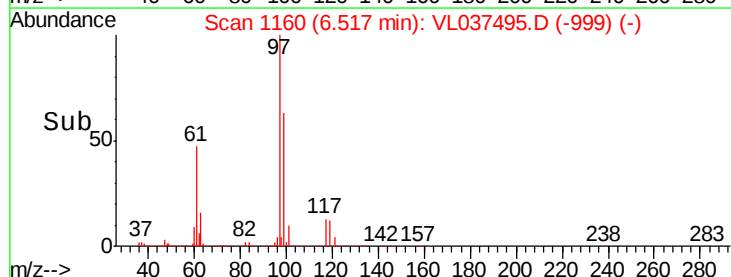
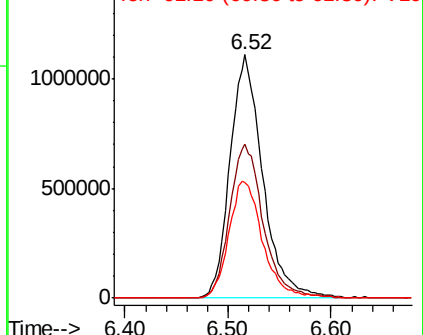


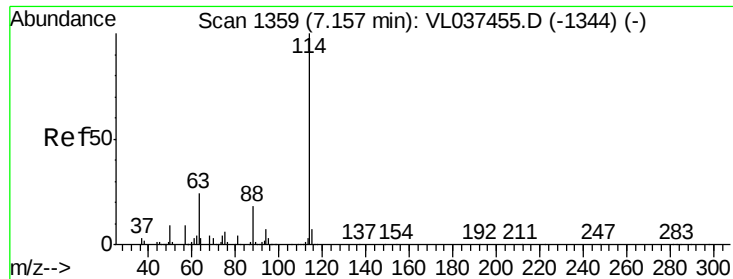
Abundance

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

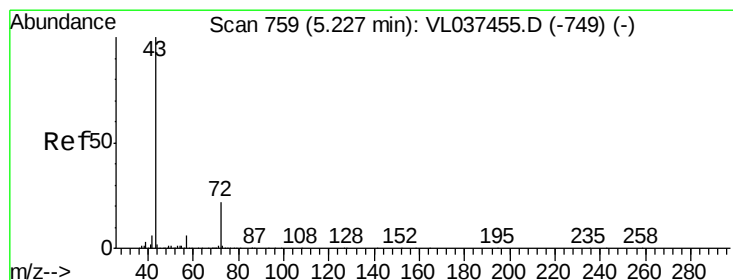
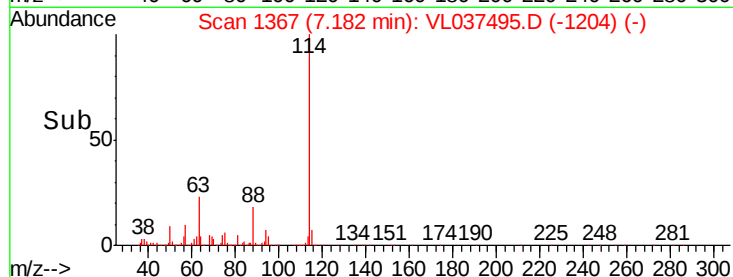
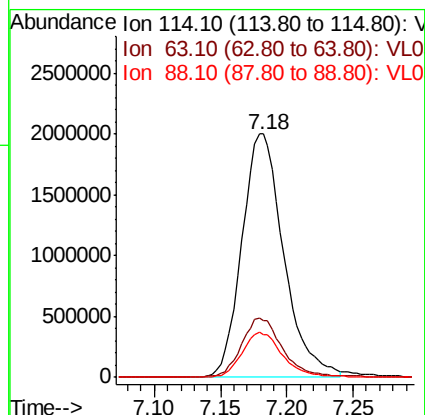
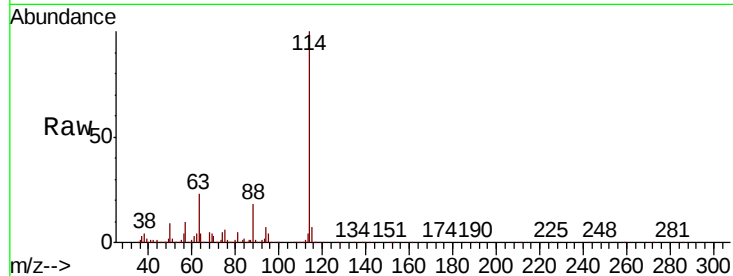




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1367
 Delta R.T. 0.03 min
 Lab File: VL037495.D
 Acq: 19 Aug 2021 11:03

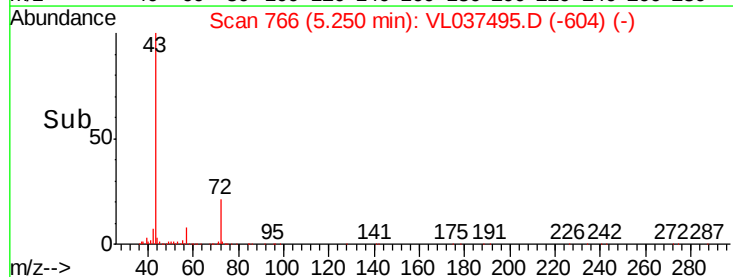
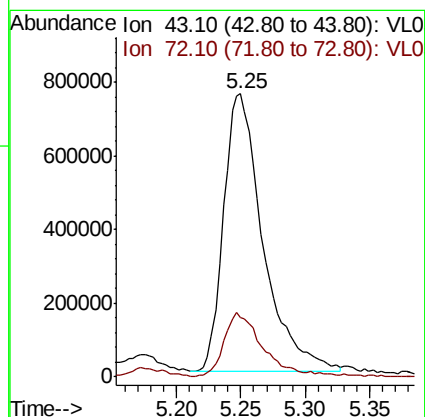
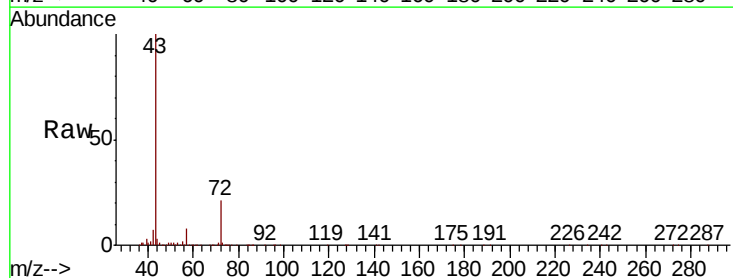
Instrument :
 MSVOA_L
 ClientSampleId :

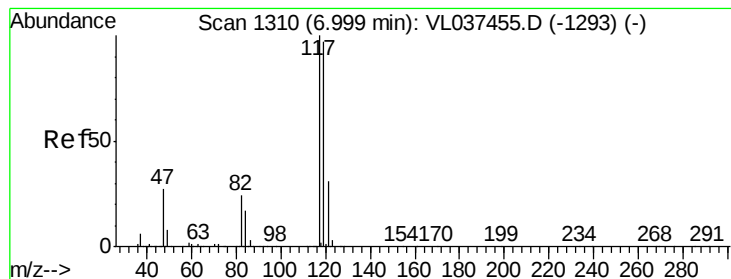
Tot Ion:114 Resp: 4396319
 Ion Ratio Lower Upper
 114 100
 63 24.5 19.3 28.9
 88 18.2 14.2 21.4



#34
 2-Butanone
 Concen: 8.908 ppbv
 RT: 5.25 min Scan# 766
 Delta R.T. 0.02 min
 Lab File: VL037495.D
 Acq: 19 Aug 2021 11:03

Tgt Ion: 43 Resp: 1599235
 Ion Ratio Lower Upper
 43 100
 72 23.1 17.4 26.0





#35

Carbon Tetrachloride

Concen: 9.871 ppbv

RT: 7.02 min Scan# 1318

Delta R.T. 0.03 min

Lab File: VL037495.D

Acq: 19 Aug 2021 11:03

Instrument :

MSVOA_L

ClientSampleId :

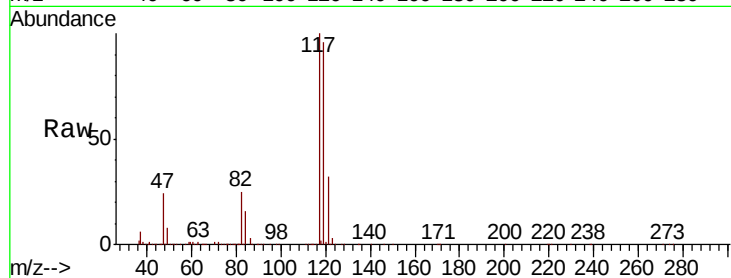
Tot Ion:117 Resp: 2564601

Ion Ratio Lower Upper

117 100

119 96.2 77.3 115.9

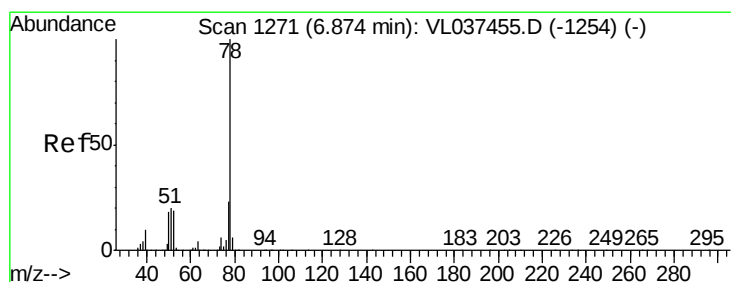
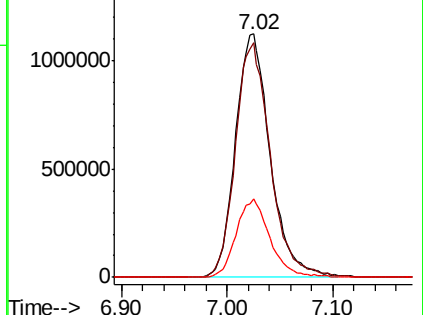
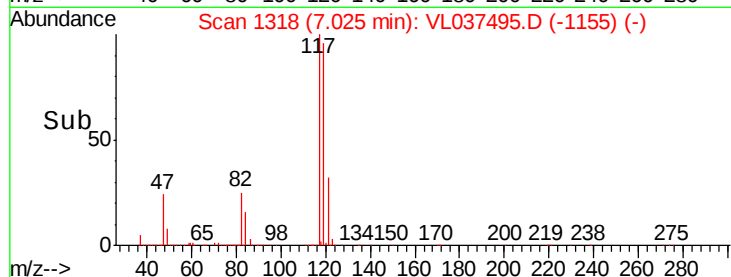
121 32.4 25.2 37.8



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: 9.793 ppbv

RT: 6.90 min Scan# 1278

Delta R.T. 0.02 min

Lab File: VL037495.D

Acq: 19 Aug 2021 11:03

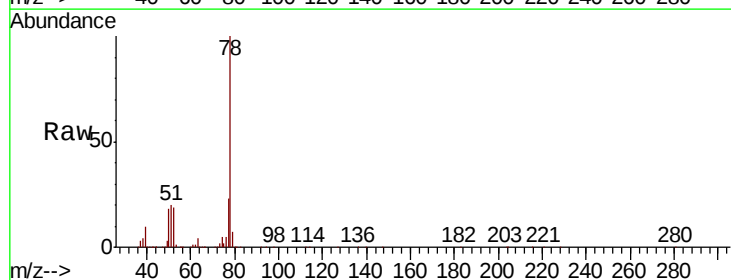
Tgt Ion: 78 Resp: 3619127

Ion Ratio Lower Upper

78 100

77 23.1 18.2 27.4

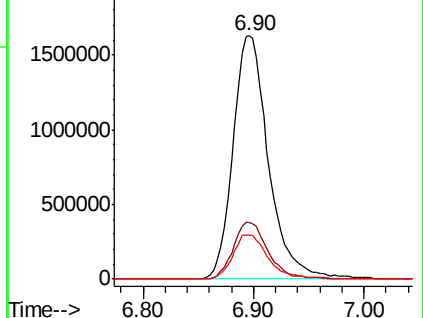
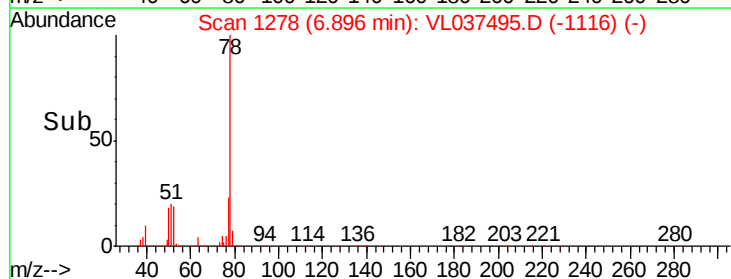
50 17.9 14.6 21.8

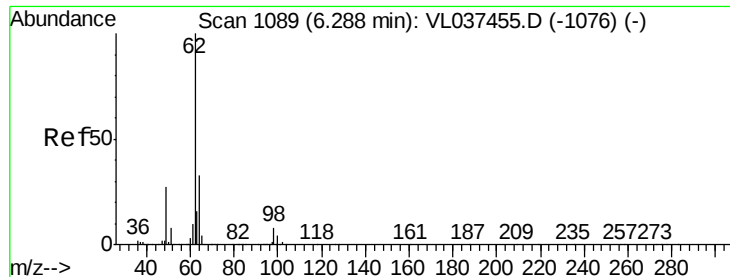


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 9.848 ppbv

RT: 6.31 min Scan# 1096

Delta R.T. 0.02 min

Lab File: VL037495.D

Acq: 19 Aug 2021 11:03

Instrument :

MSVOA_L

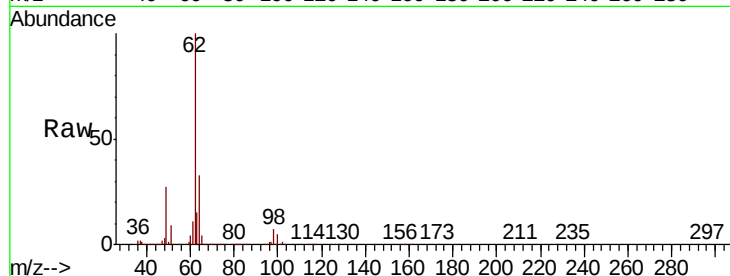
ClientSampleId :

Tot Ion: 62 Resp: 1802746

Ion Ratio Lower Upper

62 100

98 7.3 6.0 9.0



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

1000000

800000

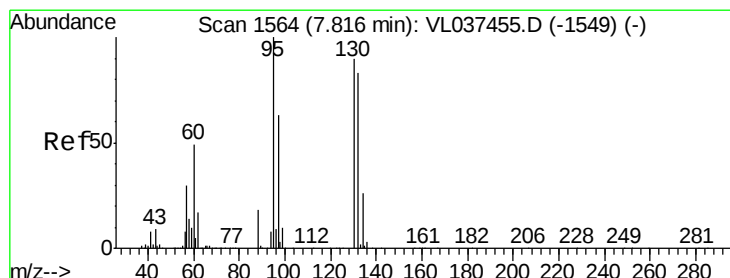
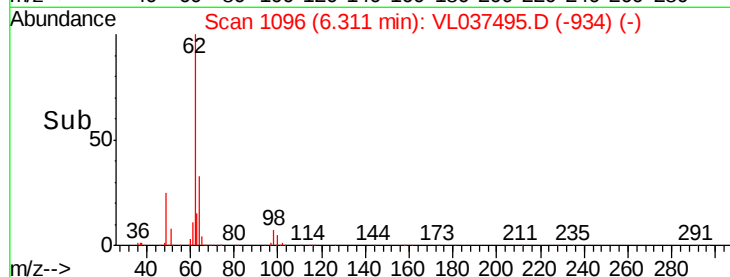
600000

400000

200000

0

Time--> 6.20 6.25 6.30 6.35 6.40



#38

Trichloroethene

Concen: 9.494 ppbv

RT: 7.84 min Scan# 1571

Delta R.T. 0.02 min

Lab File: VL037495.D

Acq: 19 Aug 2021 11:03

Tgt Ion: 130 Resp: 1439547

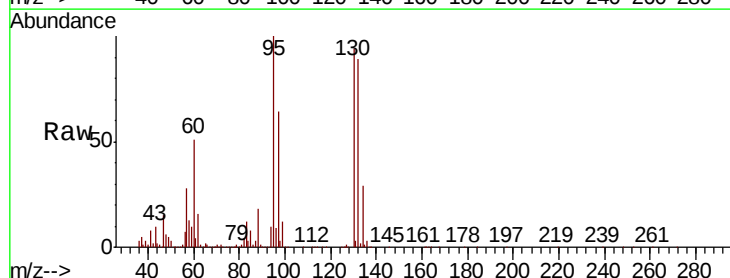
Ion Ratio Lower Upper

130 100

95 106.8 89.2 133.8

132 95.5 74.0 111.0

97 68.4 56.6 84.8



Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0

1000000

800000

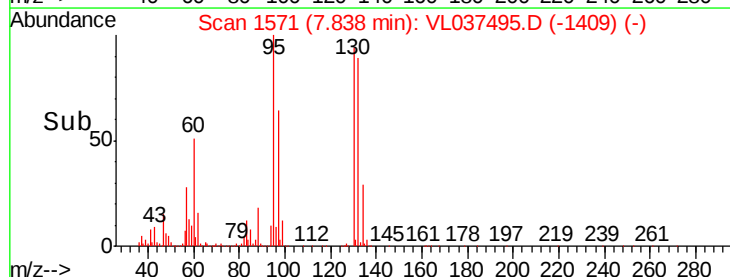
600000

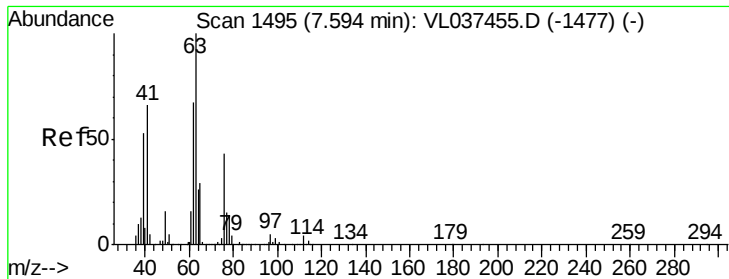
400000

200000

0

Time--> 7.75 7.80 7.85 7.90 7.95

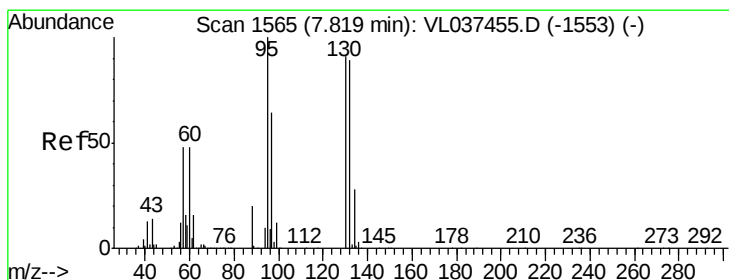
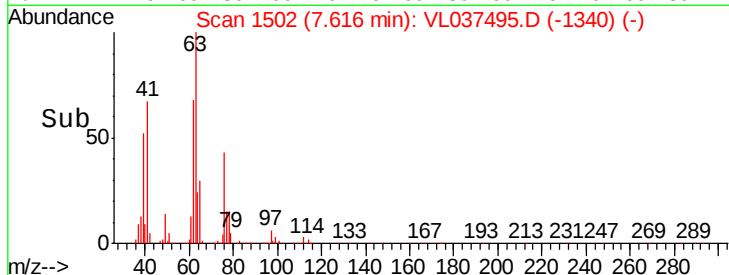
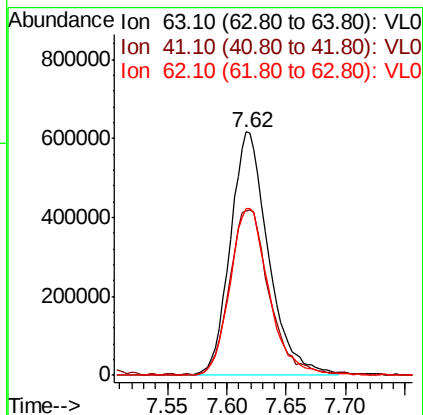
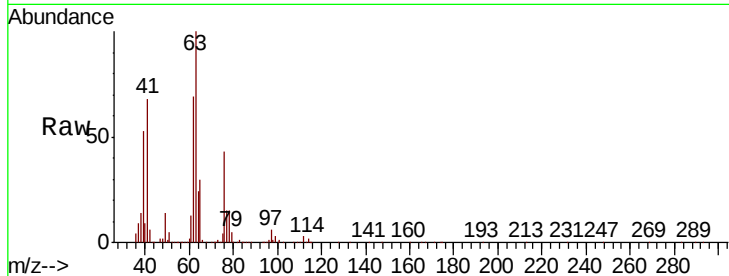




#39
 1,2-Dichloropropane
 Concen: 9.606 ppbv
 RT: 7.62 min Scan# 1502
 Delta R.T. 0.02 min
 Lab File: VL037495.D
 Acq: 19 Aug 2021 11:03

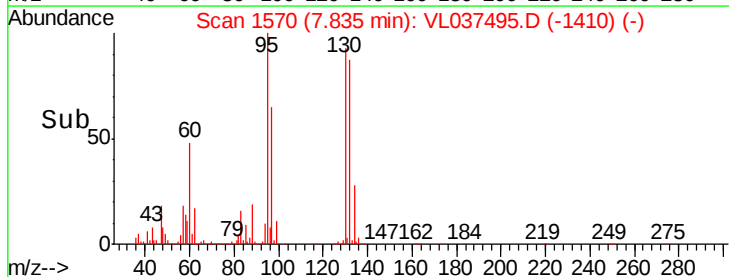
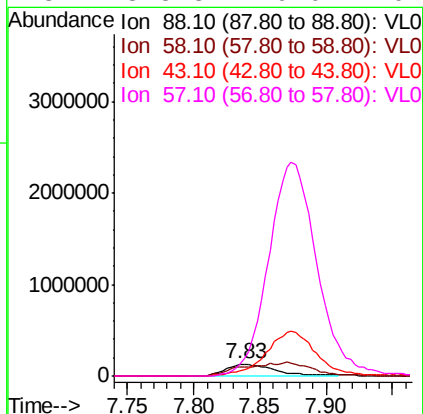
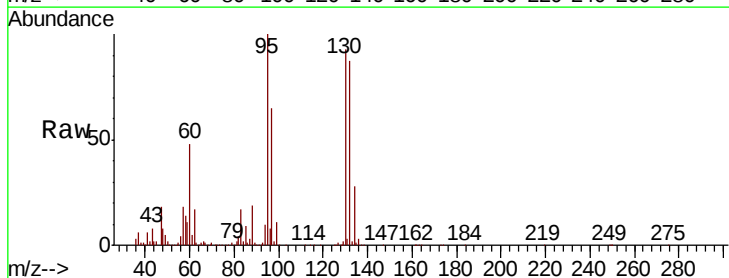
Instrument :
 MSVOA_L
 ClientSampleId :

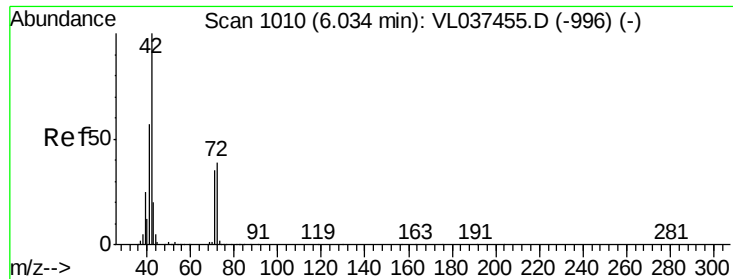
Tot Ion: 63 Resp: 1364180
 Ion Ratio Lower Upper
 63 100
 41 67.0 52.4 78.6
 62 68.6 53.6 80.4



#40
 1,4-Dioxane
 Concen: 9.515 ppbv
 RT: 7.83 min Scan# 1570
 Delta R.T. 0.02 min
 Lab File: VL037495.D
 Acq: 19 Aug 2021 11:03

Tgt Ion: 88 Resp: 331036
 Ion Ratio Lower Upper
 88 100
 58 162.0 0.0 0.0#
 43 394.0 0.0 0.0#
 57 1815.5 0.0 0.0#

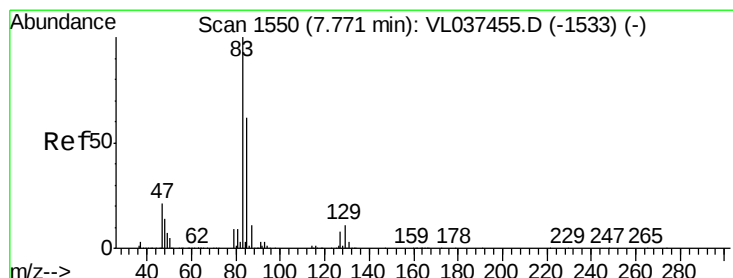
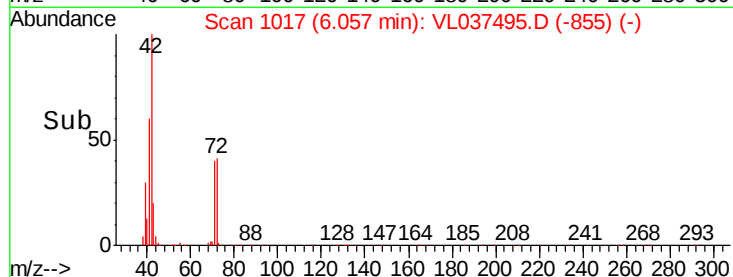
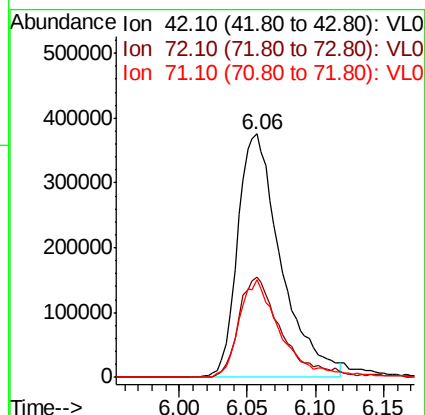
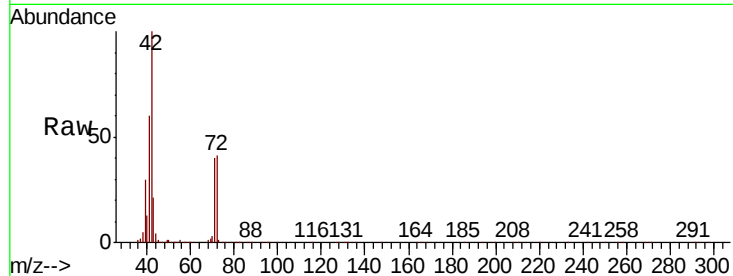




#41
Tetrahydrofuran
Concen: 9.548 ppbv
RT: 6.06 min Scan# 1017
Delta R.T. 0.02 min
Lab File: VL037495.D
Acq: 19 Aug 2021 11:03

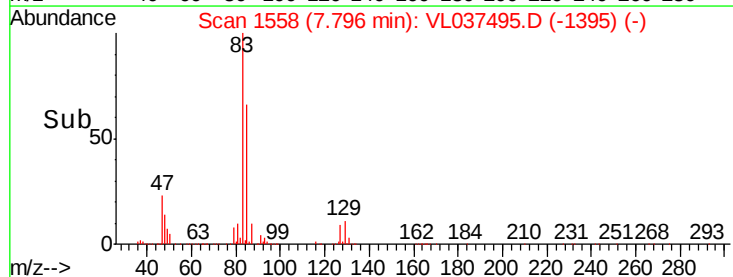
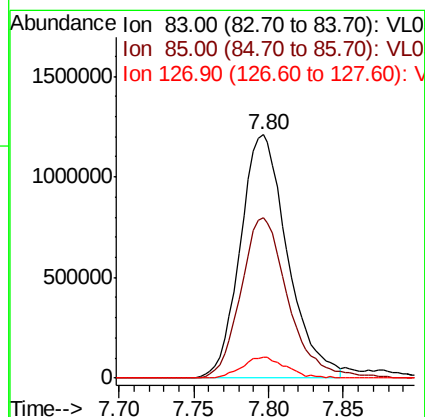
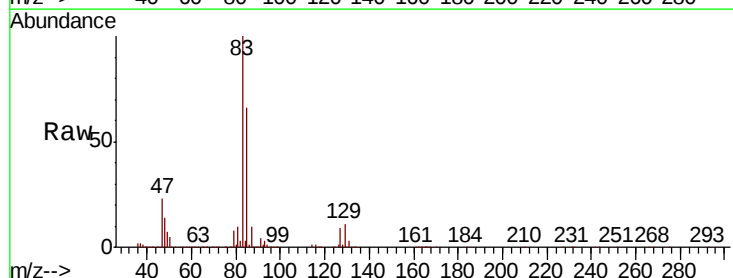
Instrument :
MSVOA_L
ClientSampled :

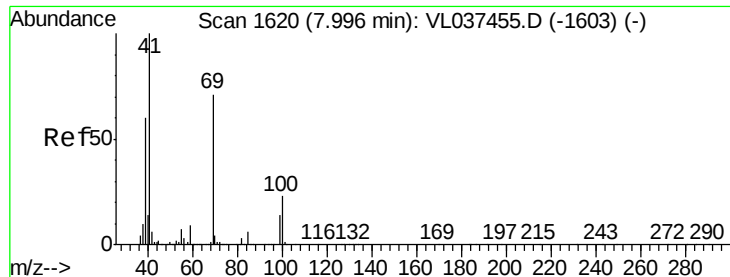
Tot Ion: 42 Resp: 825762
Ion Ratio Lower Upper
42 100
72 41.6 32.2 48.4
71 39.2 30.5 45.7



#42
Bromodichloromethane
Concen: 9.918 ppbv
RT: 7.80 min Scan# 1558
Delta R.T. 0.03 min
Lab File: VL037495.D
Acq: 19 Aug 2021 11:03

Tgt Ion: 83 Resp: 2654861
Ion Ratio Lower Upper
83 100
85 65.7 49.5 74.3
127 8.6 6.3 9.5

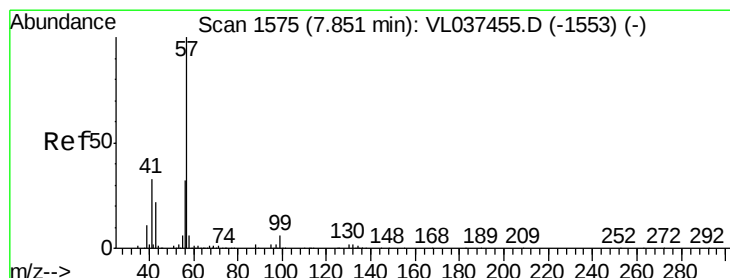
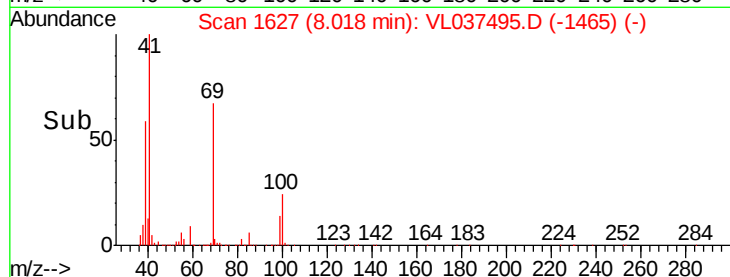
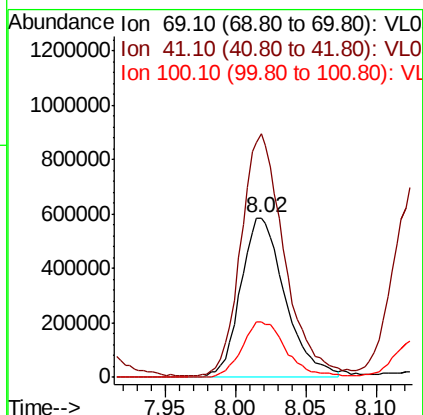
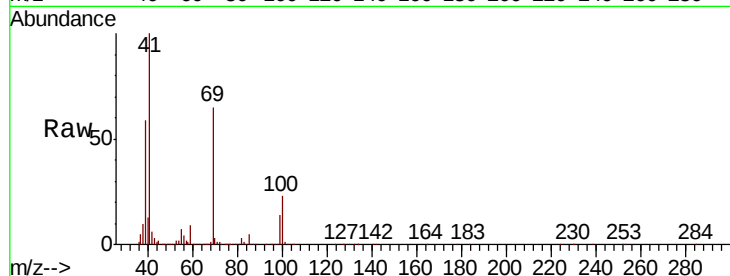




#43
Methvl Methacrilate
Concen: 10.006 ppbv
RT: 8.02 min Scan# 1627
Delta R.T. 0.02 min
Lab File: VL037495.D
Acq: 19 Aug 2021 11:03

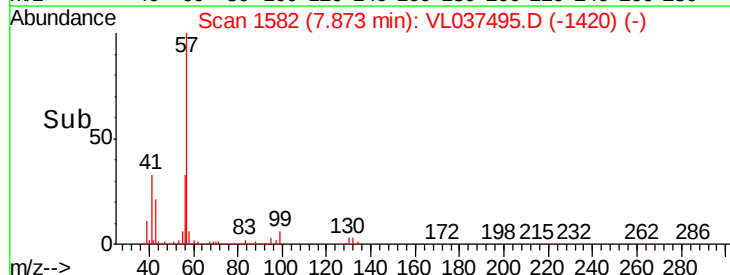
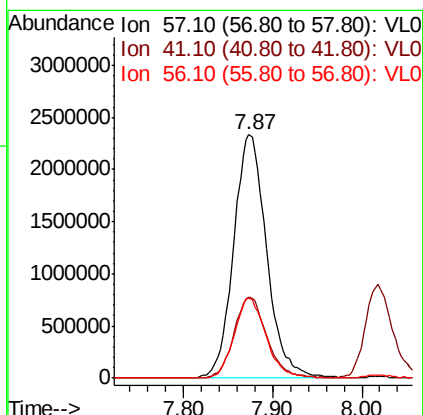
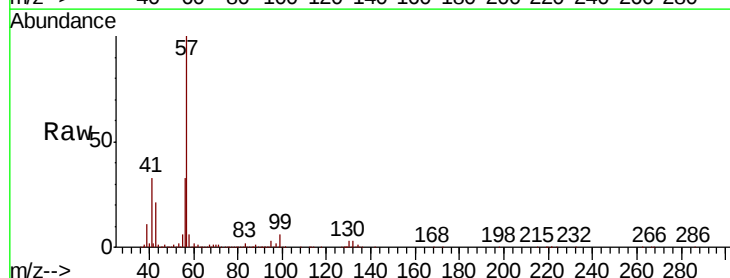
Instrument :
MSVOA_L
ClientSampled :

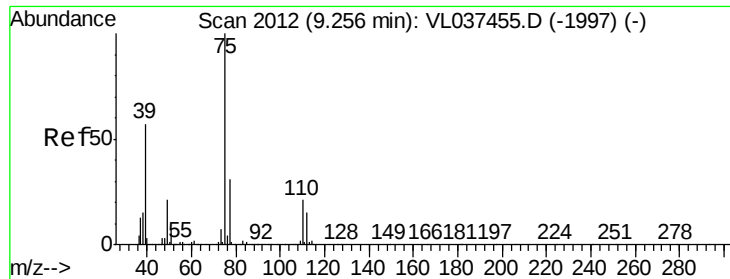
Tot Ion: 69 Resp: 1288902
Ion Ratio Lower Upper
69 100
41 150.4 118.6 178.0
100 35.0 27.4 41.0



#44
2,2,4-Trimethylpentane
Concen: 9.641 ppbv
RT: 7.87 min Scan# 1582
Delta R.T. 0.02 min
Lab File: VL037495.D
Acq: 19 Aug 2021 11:03

Tgt Ion: 57 Resp: 5996700
Ion Ratio Lower Upper
57 100
41 33.1 26.2 39.4
56 31.9 25.4 38.2

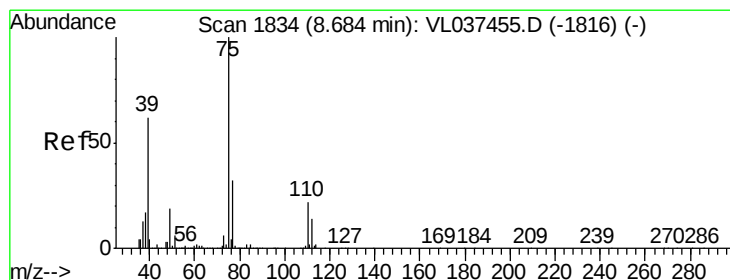
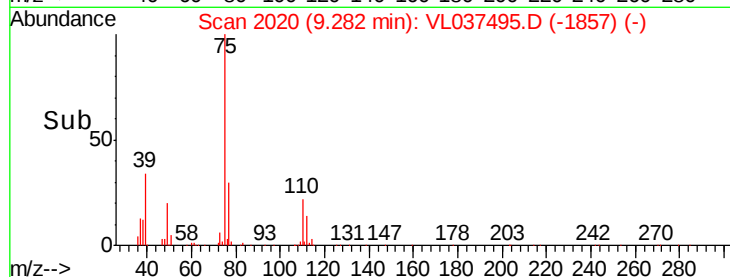
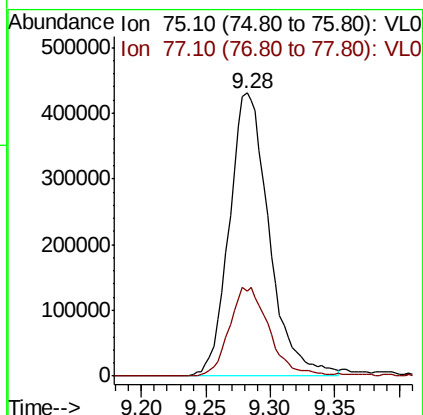
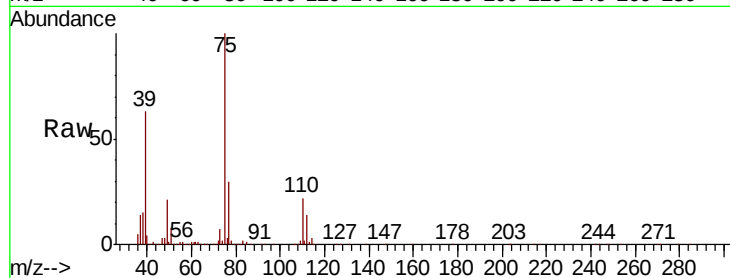




#45
t-1,3-Dichloropropene
Concen: 9.542 ppbv
RT: 9.28 min Scan# 2020
Delta R.T. 0.03 min
Lab File: VL037495.D
Acq: 19 Aug 2021 11:03

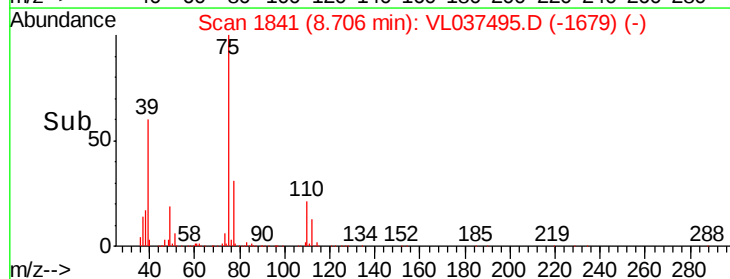
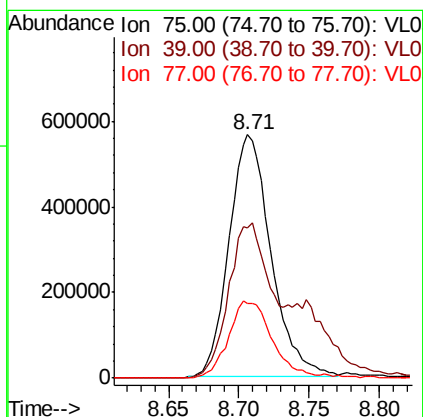
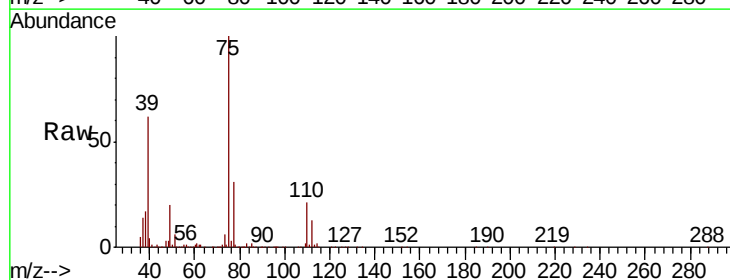
Instrument :
MSVOA_L
ClientSampleId :

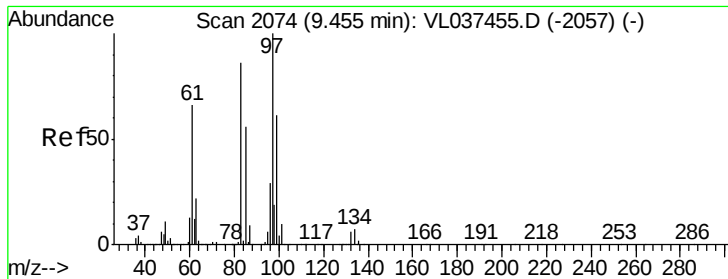
Tot Ion: 75 Resp: 925235
Ion Ratio Lower Upper
75 100
77 30.0 24.5 36.7



#46
cis-1,3-Dichloropropene
Concen: 8.751 ppbv
RT: 8.71 min Scan# 1841
Delta R.T. 0.02 min
Lab File: VL037495.D
Acq: 19 Aug 2021 11:03

Tgt Ion: 75 Resp: 1183700
Ion Ratio Lower Upper
75 100
39 61.7 49.7 74.5
77 30.8 25.4 38.0





#47

1,1,2-Trichloroethane

Concen: 9.764 ppbv

RT: 9.48 min Scan# 2082

Delta R.T. 0.03 min

Lab File: VL037495.D

Acq: 19 Aug 2021 11:03

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 97 Resp: 1498319

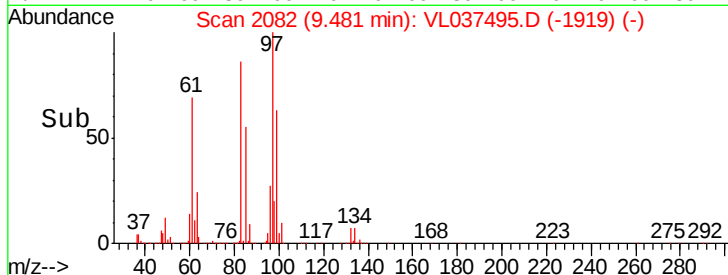
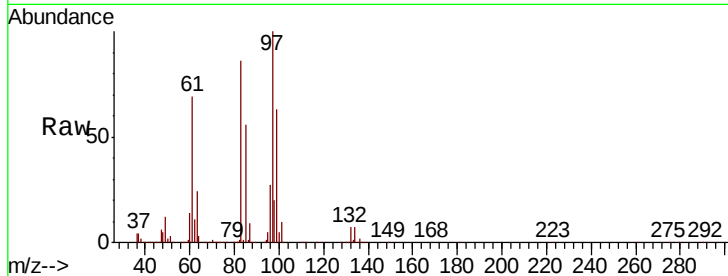
Ion Ratio Lower Upper

97 100

83 85.7 68.7 103.1

85 55.5 44.7 67.1

99 62.6 48.6 72.8

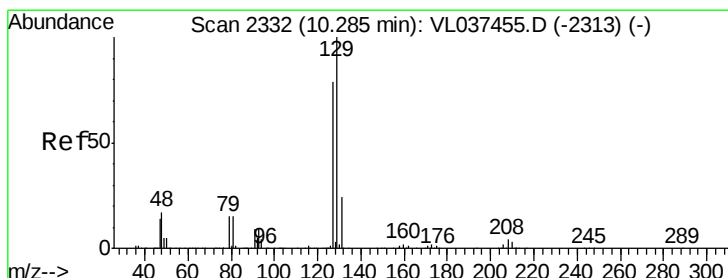
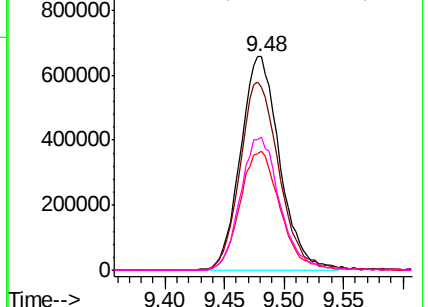


Abundance Ion 97.00 (96.70 to 97.70): VL0

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: 10.886 ppbv

RT: 10.31 min Scan# 2339

Delta R.T. 0.02 min

Lab File: VL037495.D

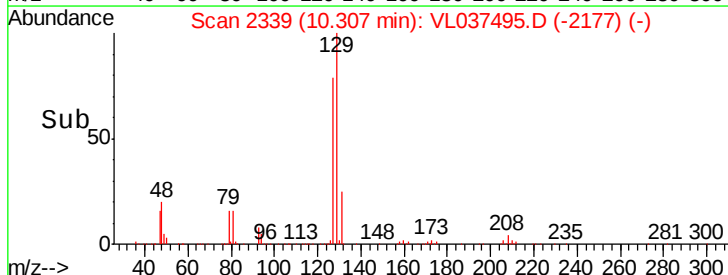
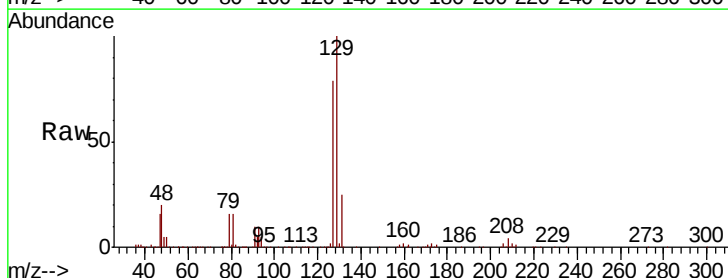
Acq: 19 Aug 2021 11:03

Tgt Ion: 129 Resp: 2403842

Ion Ratio Lower Upper

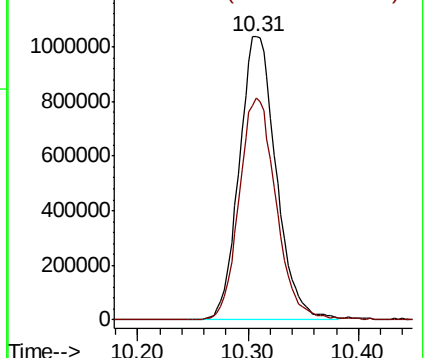
129 100

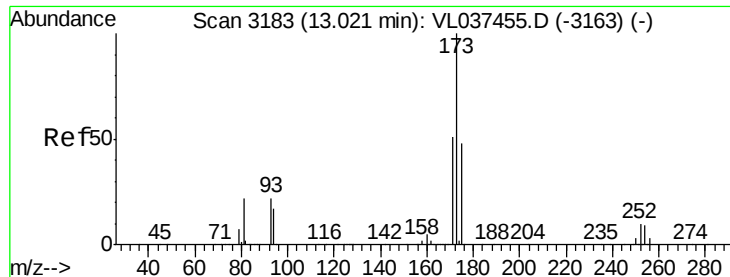
127 78.5 40.0 120.0



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 11.864 ppbv

RT: 13.04 min Scan# 3190

Delta R.T. 0.02 min

Lab File: VL037495.D

Acq: 19 Aug 2021 11:03

Instrument :

MSVOA_L

ClientSampleId :

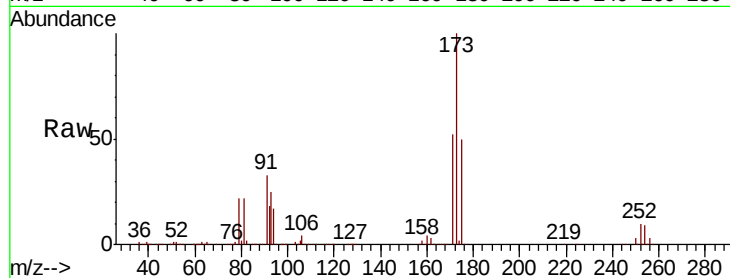
Tot Ion:173 Resp: 2065031

Ion Ratio Lower Upper

173 100

175 49.3 41.9 62.9

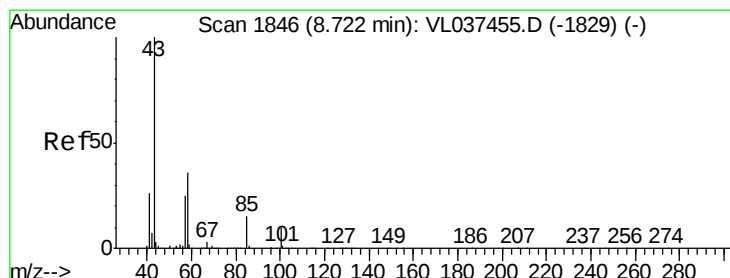
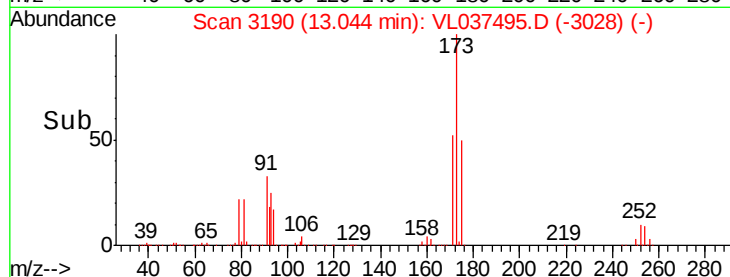
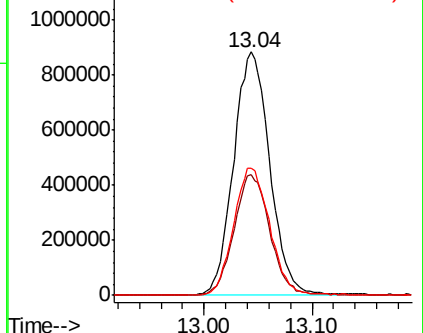
171 52.7 44.2 66.4



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: 10.159 ppbv

RT: 8.74 min Scan# 1853

Delta R.T. 0.02 min

Lab File: VL037495.D

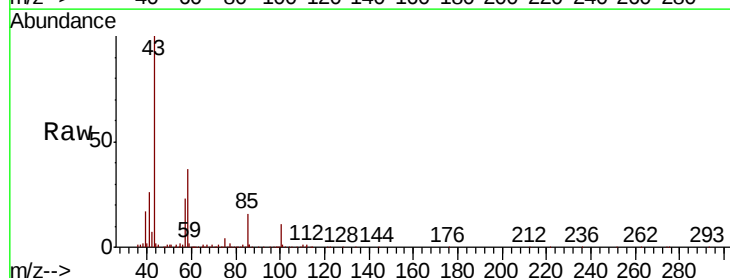
Acq: 19 Aug 2021 11:03

Tgt Ion: 43 Resp: 2379344

Ion Ratio Lower Upper

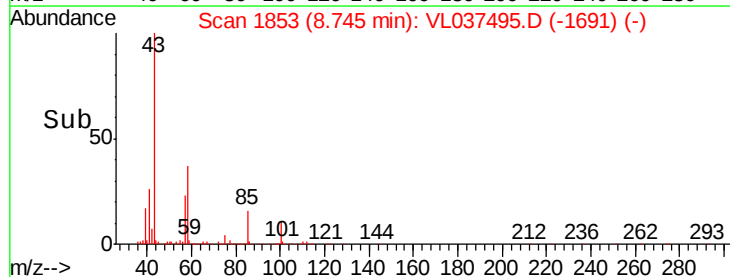
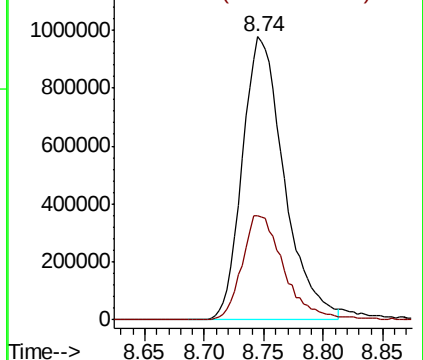
43 100

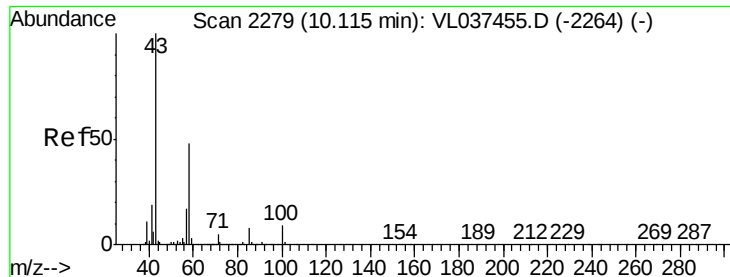
58 37.6 29.9 44.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

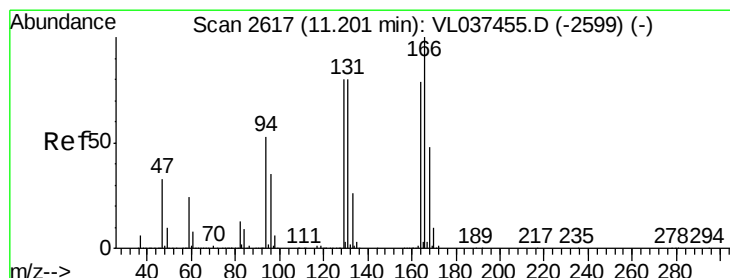
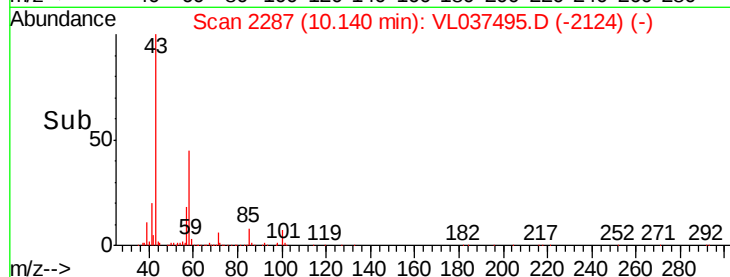
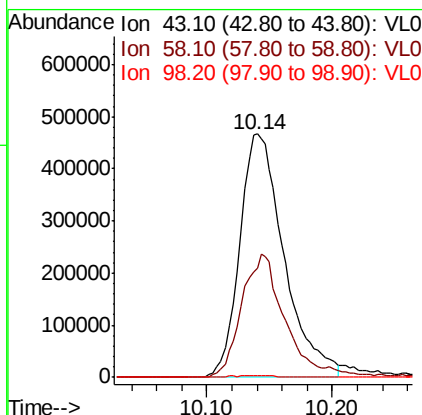
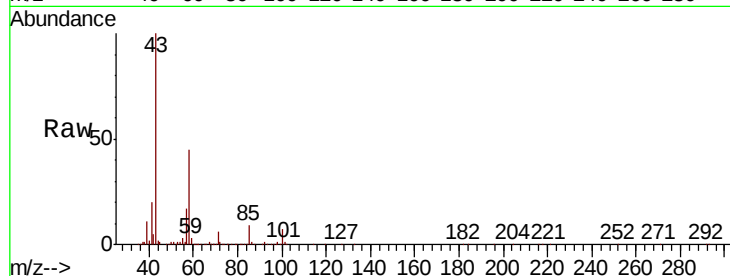




#51
2-Hexanone
Concen: 10.621 ppbv
RT: 10.14 min Scan# 2287
Delta R.T. 0.03 min
Lab File: VL037495.D
Acq: 19 Aug 2021 11:03

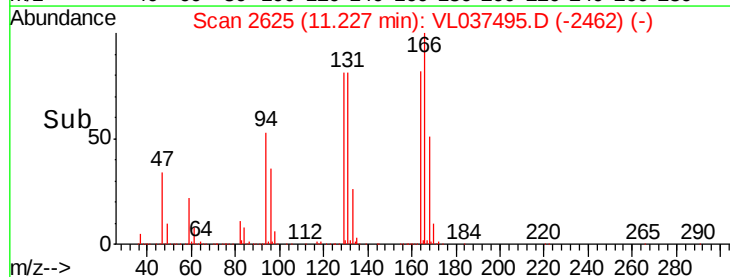
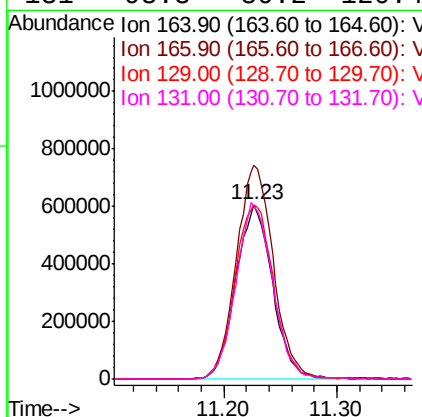
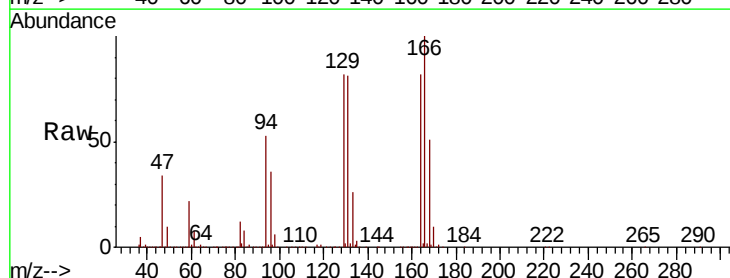
Instrument :
MSVOA_L
ClientSampleId :

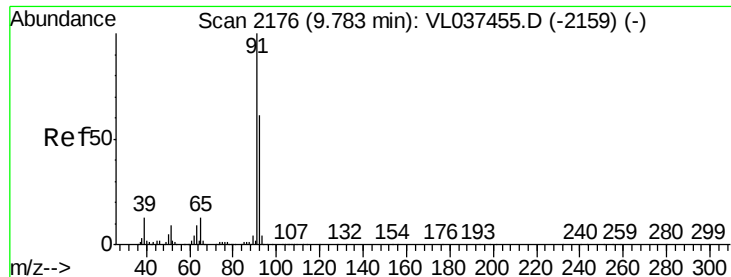
Tot Ion: 43 Resp: 1144166
Ion Ratio Lower Upper
43 100
58 50.9 41.0 61.6
98 0.6 0.3 0.5#



#52
Tetrachloroethene
Concen: 9.002 ppbv
RT: 11.23 min Scan# 2625
Delta R.T. 0.03 min
Lab File: VL037495.D
Acq: 19 Aug 2021 11:03

Tgt Ion: 164 Resp: 1363245
Ion Ratio Lower Upper
164 100
166 122.4 100.7 151.1
129 99.8 80.9 121.3
131 98.8 80.2 120.4





#53

Toluene

Concen: 10.031 ppbv

RT: 9.81 min Scan# 2184

Delta R.T. 0.03 min

Lab File: VL037495.D

Acq: 19 Aug 2021 11:03

Instrument :

MSVOA_L

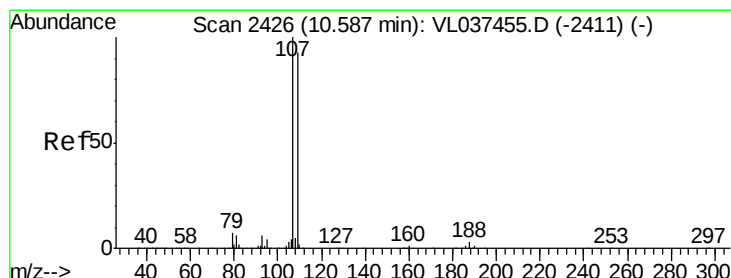
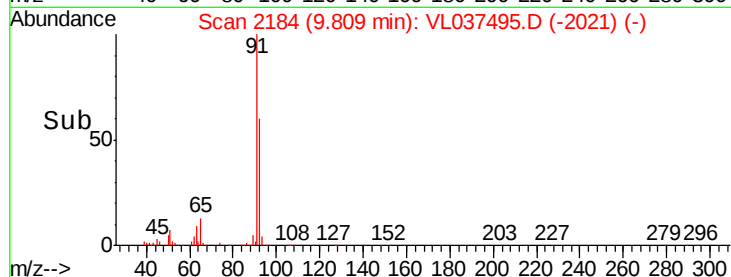
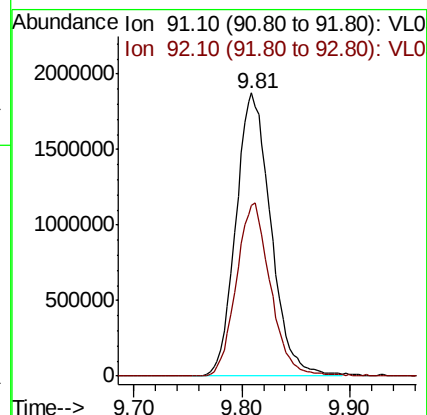
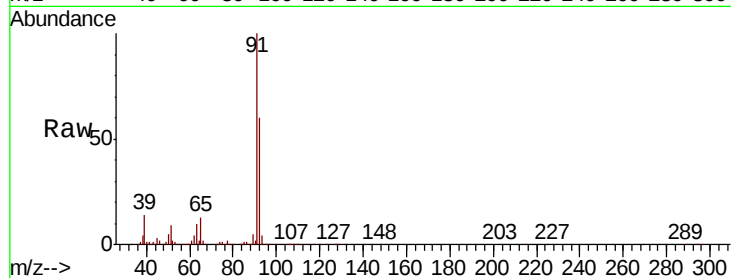
ClientSampleId :

Tot Ion: 91 Resp: 4233156

Ion Ratio Lower Upper

91 100

92 59.8 48.8 73.2



#54

1,2-Dibromoethane

Concen: 9.816 ppbv

RT: 10.61 min Scan# 2434

Delta R.T. 0.03 min

Lab File: VL037495.D

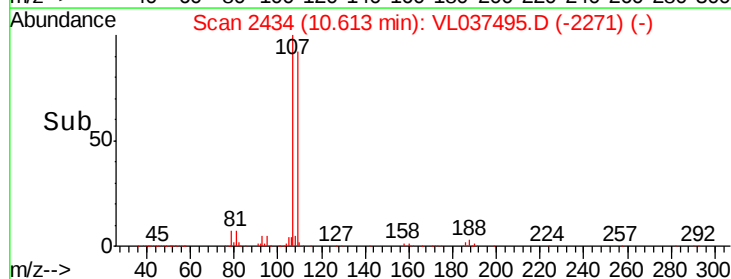
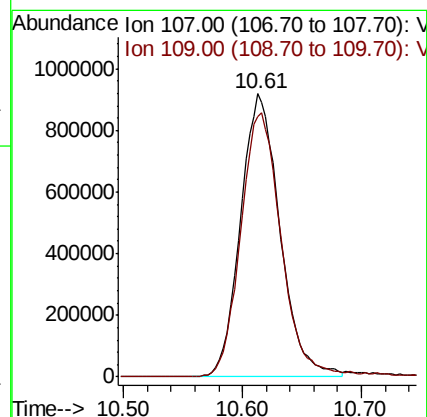
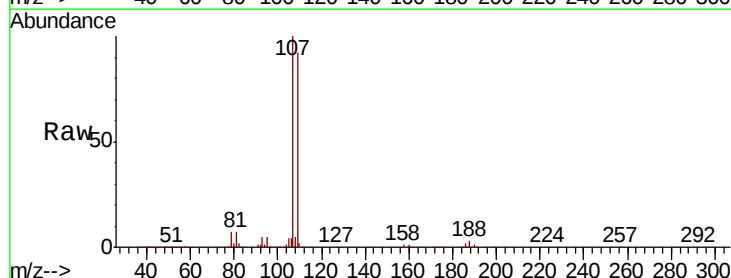
Acq: 19 Aug 2021 11:03

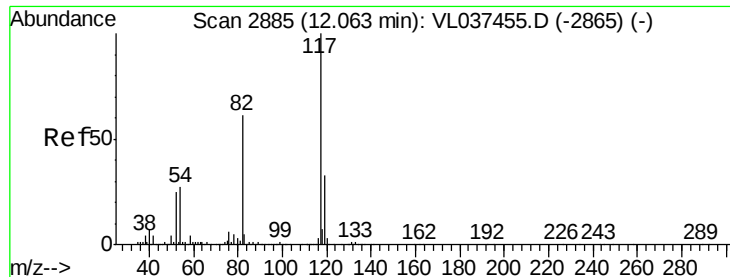
Tgt Ion:107 Resp: 2102781

Ion Ratio Lower Upper

107 100

109 92.1 74.2 111.4

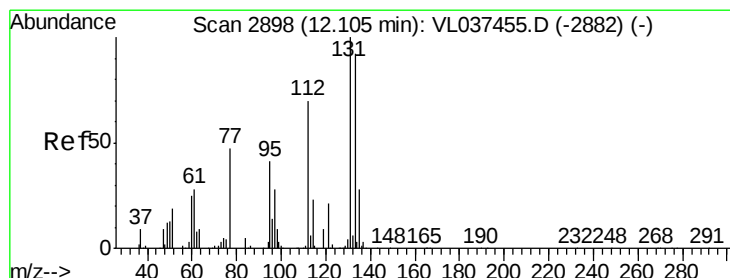
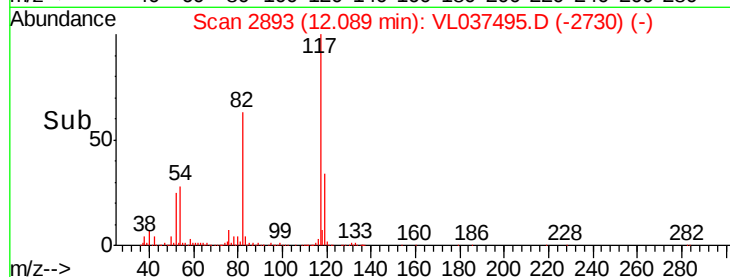
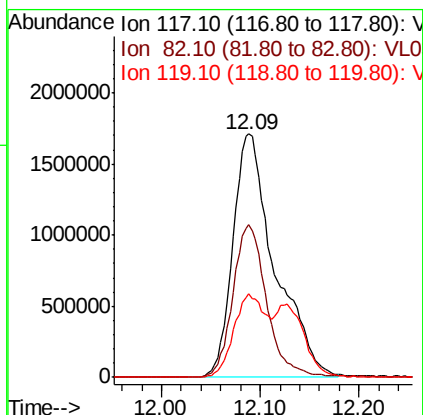
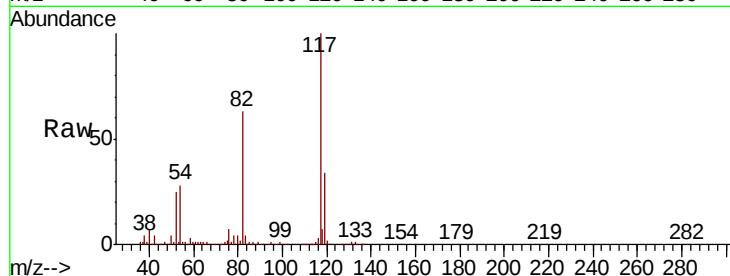




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2893
Delta R.T. 0.03 min
Lab File: VL037495.D
Acq: 19 Aug 2021 11:03

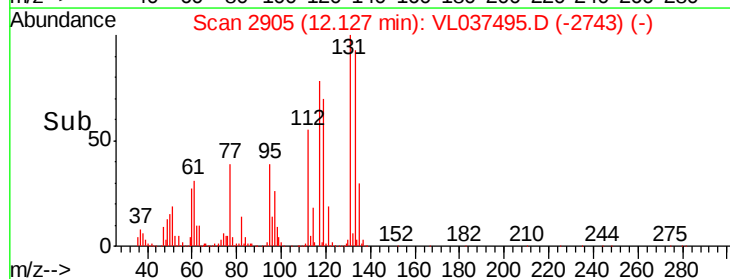
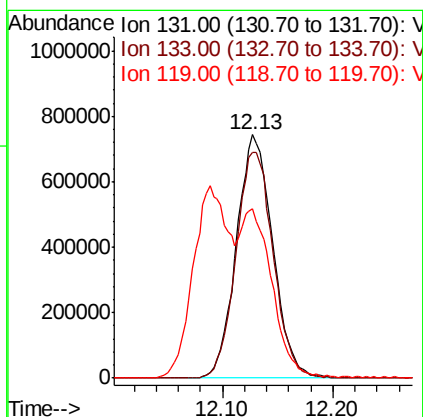
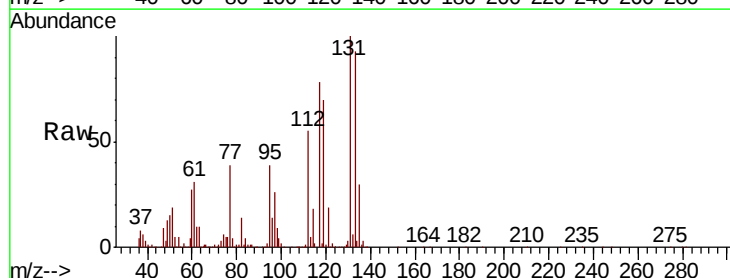
Instrument :
MSVOA_L
ClientSampleId :

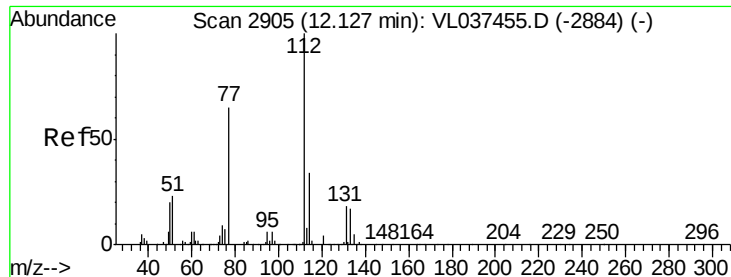
Tot Ion:117 Resp: 5066873
Ion Ratio Lower Upper
117 100
82 50.9 52.9 79.3#
119 28.1 24.8 37.2



#56
1,1,1,2-Tetrachloroethane
Concen: 8.014 ppbv
RT: 12.13 min Scan# 2905
Delta R.T. 0.02 min
Lab File: VL037495.D
Acq: 19 Aug 2021 11:03

Tgt Ion:131 Resp: 1691907
Ion Ratio Lower Upper
131 100
133 95.9 78.7 118.1
119 62.4 56.6 85.0





#57

Chlorobenzene

Concen: 7.579 ppbv

RT: 12.15 min Scan# 2912

Delta R.T. 0.02 min

Lab File: VL037495.D

Acq: 19 Aug 2021 11:03

Instrument :

MSVOA_L

ClientSampleId :

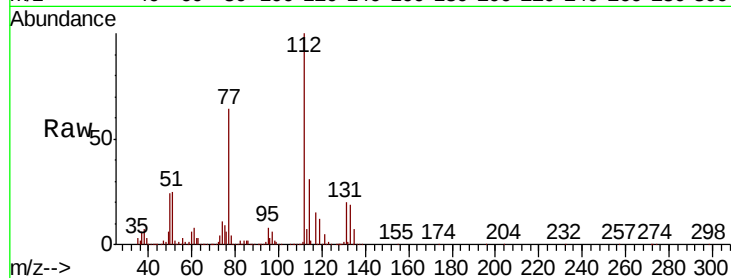
Tot Ion:112 Resp: 3186789

Ion Ratio Lower Upper

112 100

77 63.1 51.6 77.4

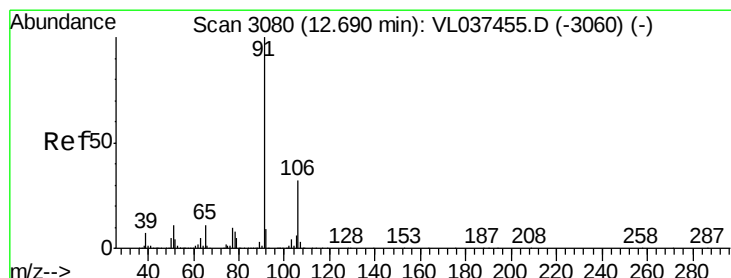
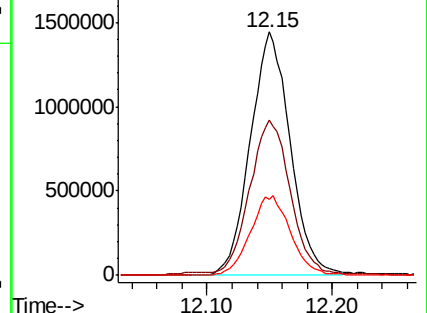
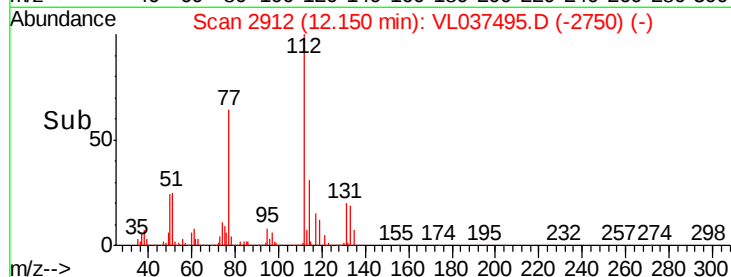
114 31.3 30.7 37.5



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: 7.925 ppbv

RT: 12.71 min Scan# 3087

Delta R.T. 0.02 min

Lab File: VL037495.D

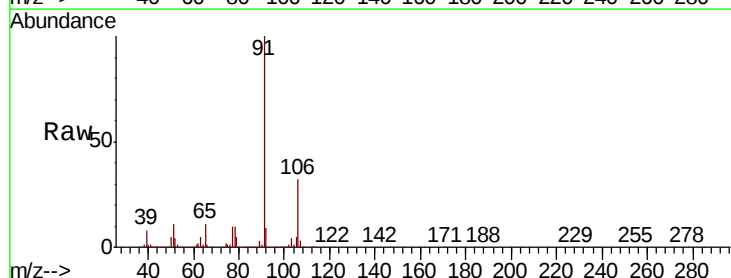
Acq: 19 Aug 2021 11:03

Tgt Ion: 91 Resp: 5572351

Ion Ratio Lower Upper

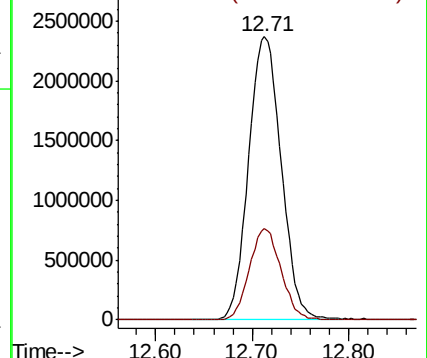
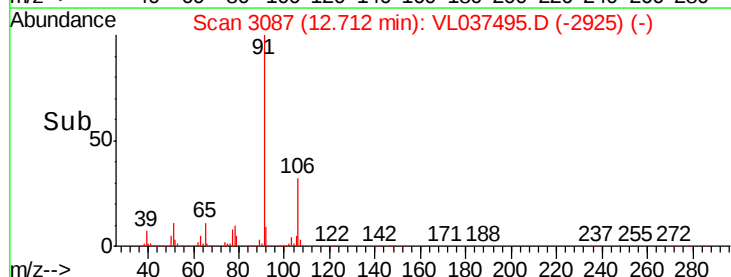
91 100

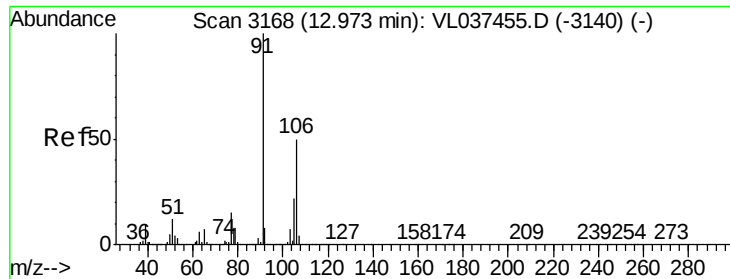
106 32.4 25.7 38.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

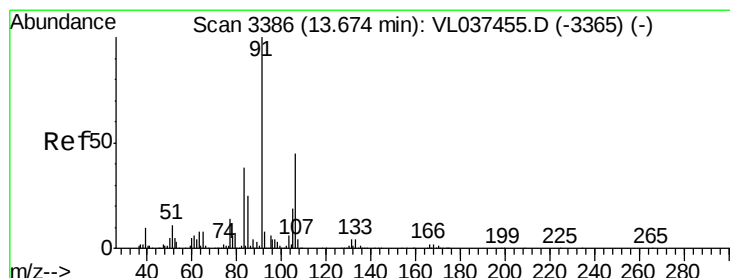
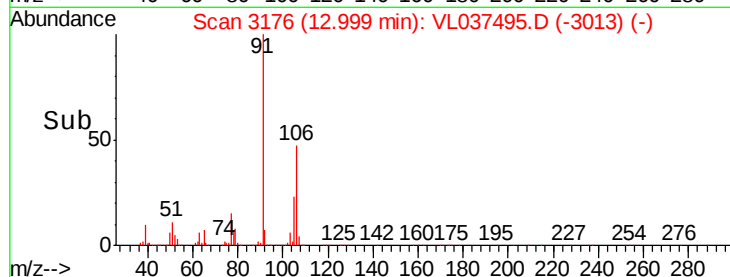
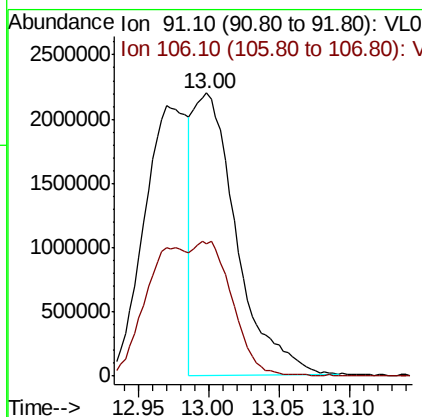
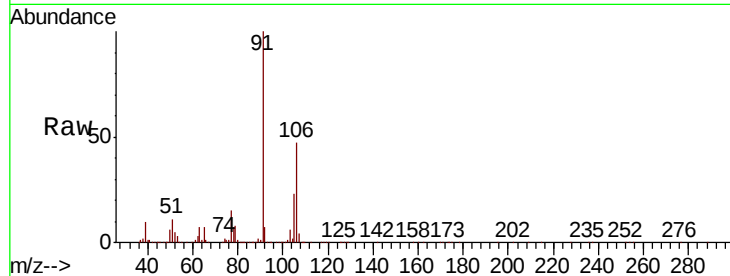




#59
m/p-Xylene
Concen: 7.659 ppbv
RT: 13.00 min Scan# 3176
Delta R.T. 0.03 min
Lab File: VL037495.D
Acq: 19 Aug 2021 11:03

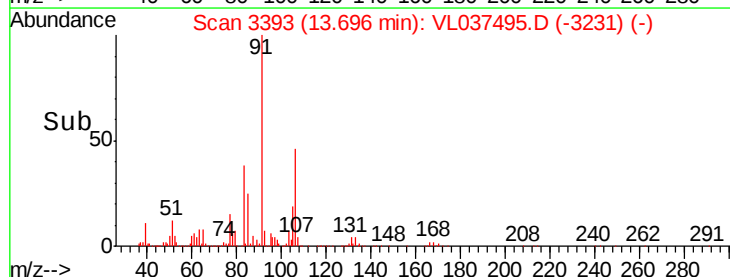
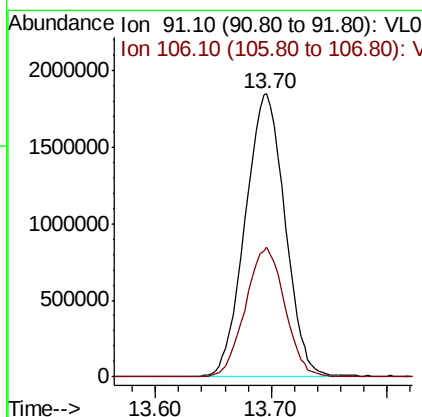
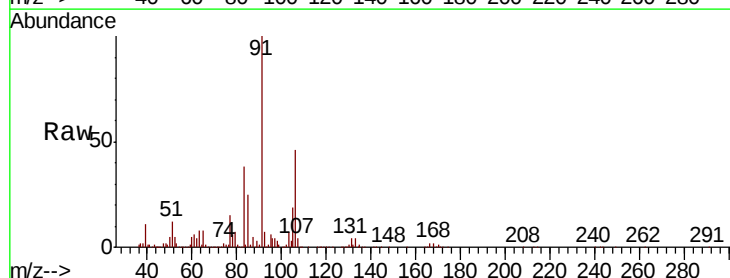
Instrument :
MSVOA_L
ClientSampleId :

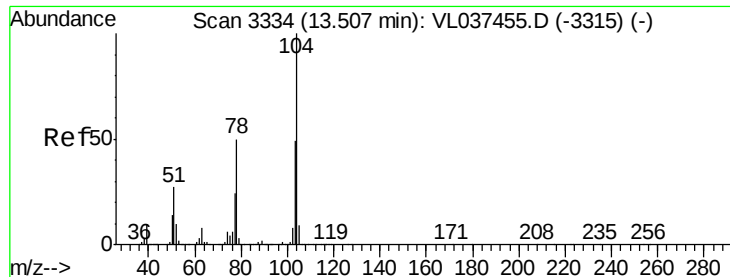
Tot Ion: 91 Resp: 4668963
Ion Ratio Lower Upper
91 100
106 89.8 36.9 55.3#



#60
o-Xylene
Concen: 7.743 ppbv
RT: 13.70 min Scan# 3393
Delta R.T. 0.02 min
Lab File: VL037495.D
Acq: 19 Aug 2021 11:03

Tgt Ion: 91 Resp: 4405461
Ion Ratio Lower Upper
91 100
106 45.3 23.7 71.1

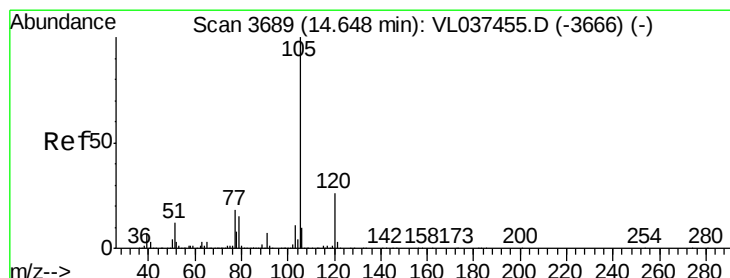
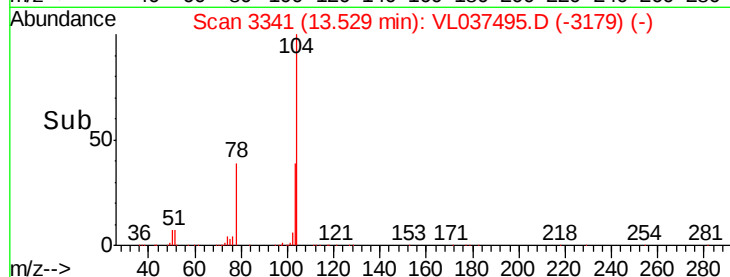
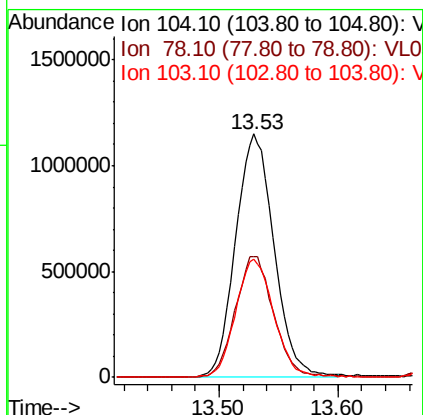
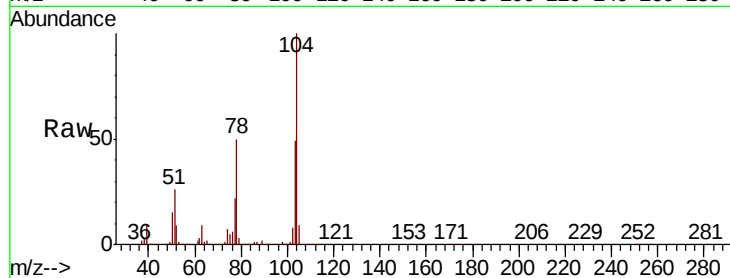




#61
Stvrene
Concen: 8.709 ppbv
RT: 13.53 min Scan# 3341
Delta R.T. 0.02 min
Lab File: VL037495.D
Acq: 19 Aug 2021 11:03

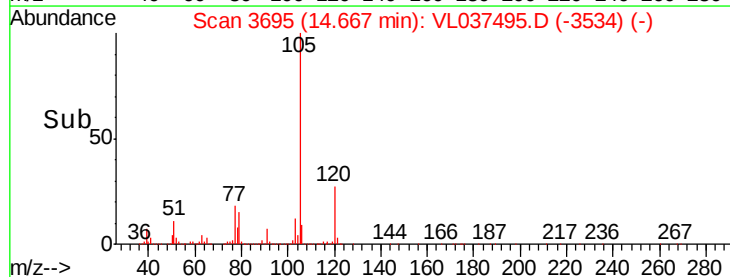
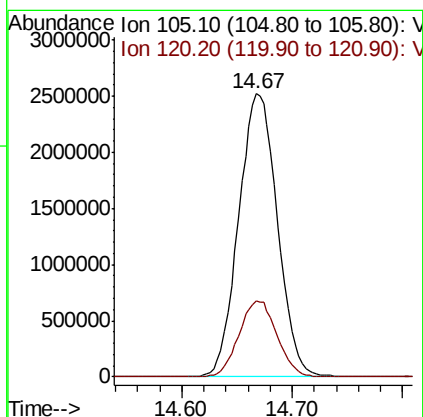
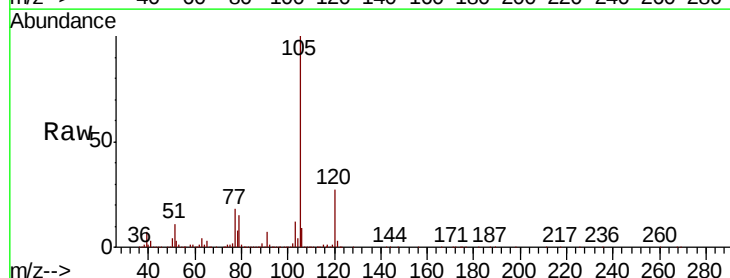
Instrument :
MSVOA_L
ClientSampleId :

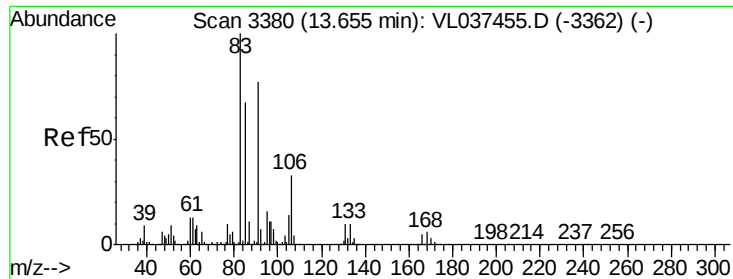
Tot Ion:104 Resp: 2573874
Ion Ratio Lower Upper
104 100
78 49.8 41.3 61.9
103 48.4 39.4 59.0



#62
Isopropylbenzene
Concen: 7.636 ppbv
RT: 14.67 min Scan# 3695
Delta R.T. 0.02 min
Lab File: VL037495.D
Acq: 19 Aug 2021 11:03

Tgt Ion:105 Resp: 6131753
Ion Ratio Lower Upper
105 100
120 26.5 21.5 32.3

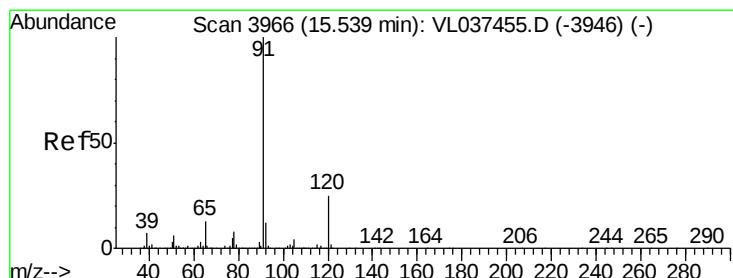
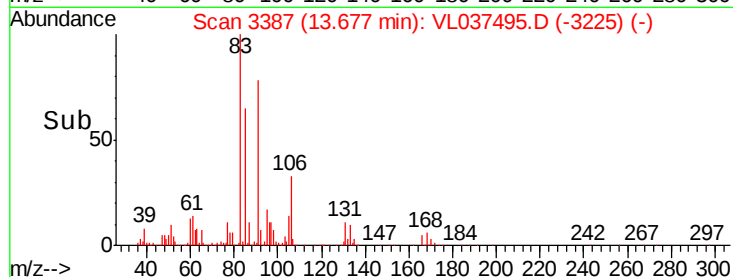
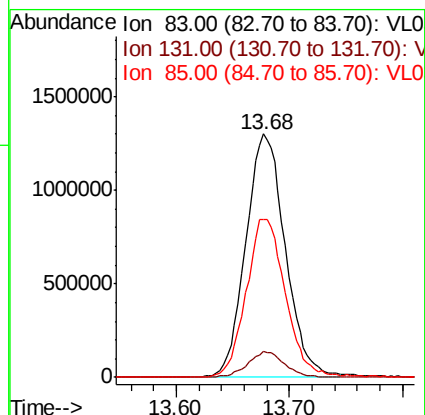
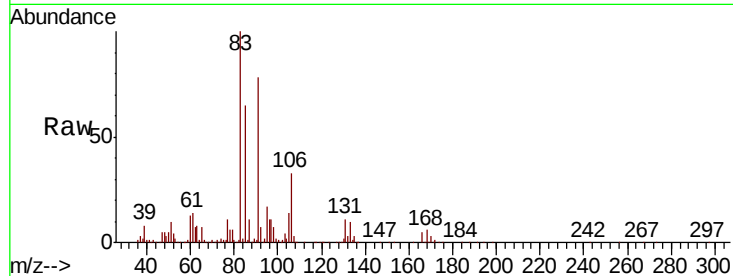




#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.418 ppbv
 RT: 13.68 min Scan# 3387
 Delta R.T. 0.02 min
 Lab File: VL037495.D
 Acq: 19 Aug 2021 11:03

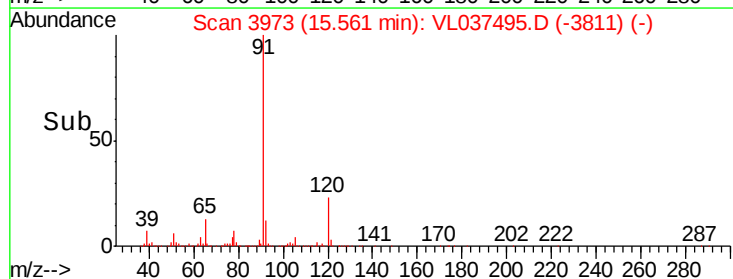
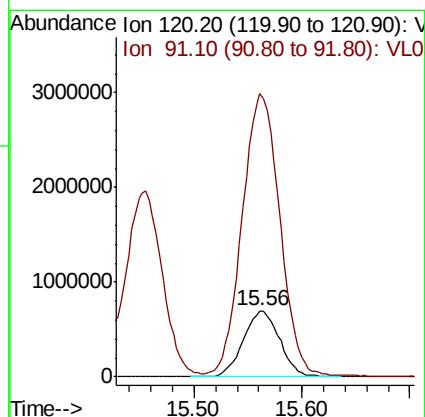
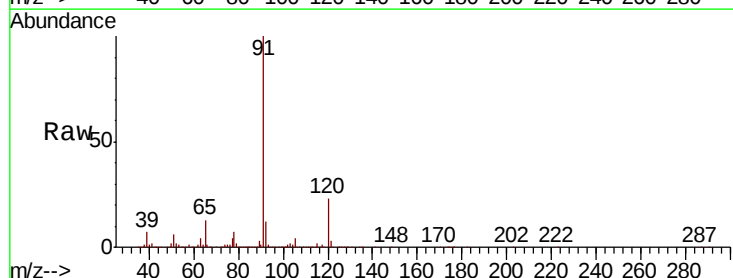
Instrument :
 MSVOA_L
 ClientSampleId :

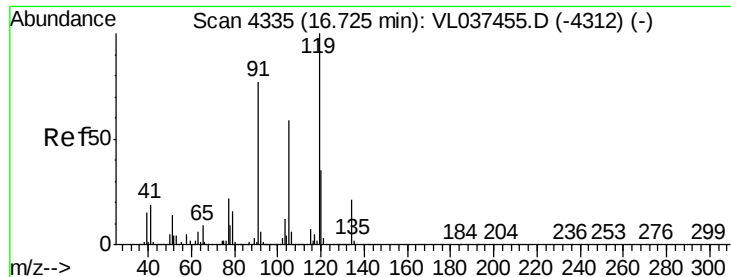
Tot Ion: 83 Resp: 3136575
 Ion Ratio Lower Upper
 83 100
 131 10.1 5.0 15.0
 85 65.6 33.8 101.3



#64
 n-propylbenzene
 Concen: 8.021 ppbv
 RT: 15.56 min Scan# 3973
 Delta R.T. 0.02 min
 Lab File: VL037495.D
 Acq: 19 Aug 2021 11:03

Tgt Ion:120 Resp: 1639011
 Ion Ratio Lower Upper
 120 100
 91 447.2 373.8 560.6

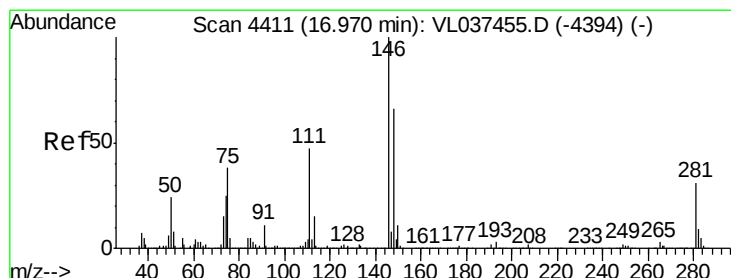
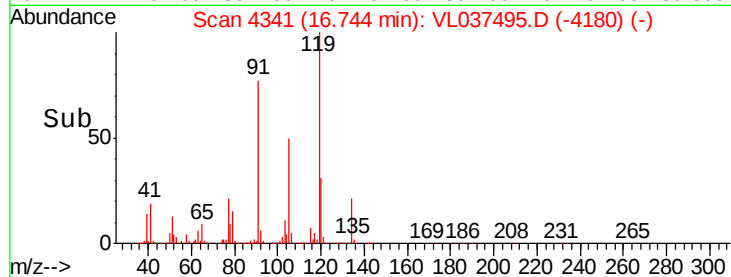
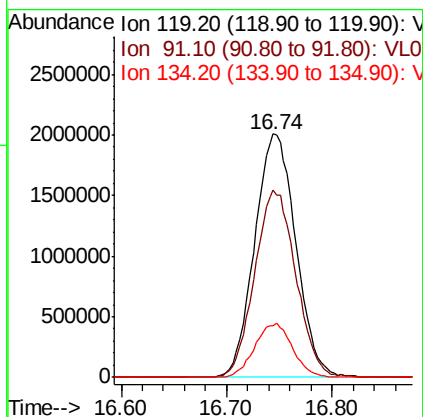
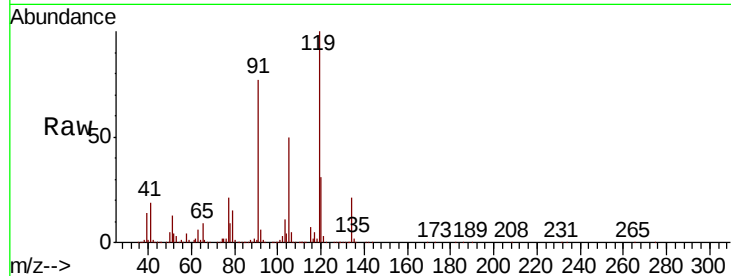




#65
tert-Butylbenzene
Concen: 7.427 ppbv
RT: 16.74 min Scan# 4341
Delta R.T. 0.02 min
Lab File: VL037495.D
Acq: 19 Aug 2021 11:03

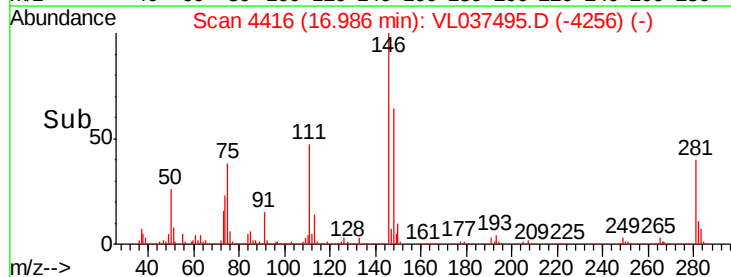
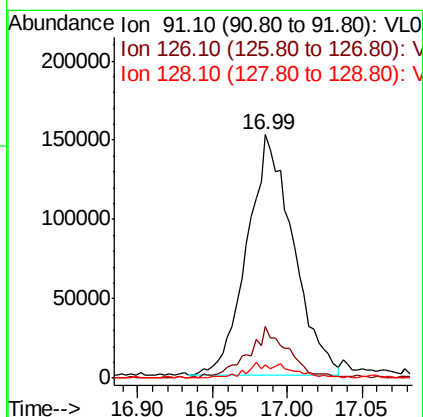
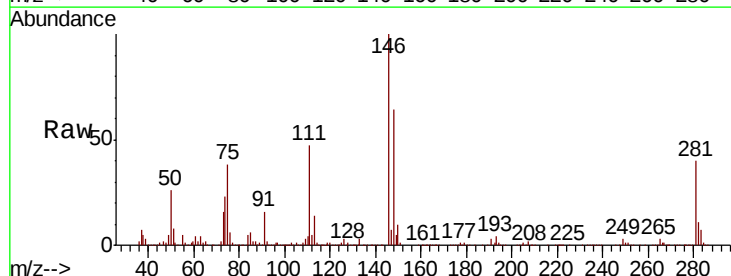
Instrument :
MSVOA_L
ClientSampled :

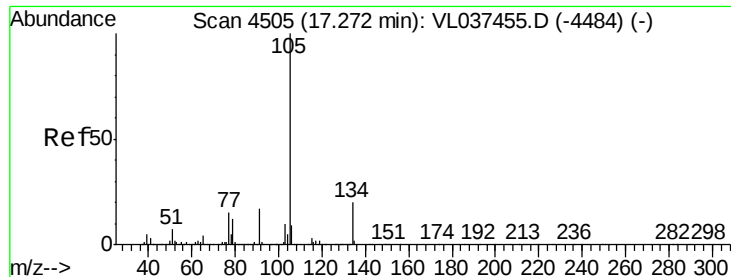
Tot Ion:119 Resp: 5430973
Ion Ratio Lower Upper
119 100
91 77.5 62.9 94.3
134 20.5 16.4 24.6



#66
Benzyl Chloride
Concen: 9.856 ppbv
RT: 16.99 min Scan# 4416
Delta R.T. 0.02 min
Lab File: VL037495.D
Acq: 19 Aug 2021 11:03

Tgt Ion: 91 Resp: 326038
Ion Ratio Lower Upper
91 100
126 18.9 15.9 23.9
128 6.2 5.4 8.0





#67

sec-Butylbenzene

Concen: 7.367 ppbv

RT: 17.29 min Scan# 4512

Delta R.T. 0.02 min

Lab File: VL037495.D

Acq: 19 Aug 2021 11:03

Instrument :

MSVOA_L

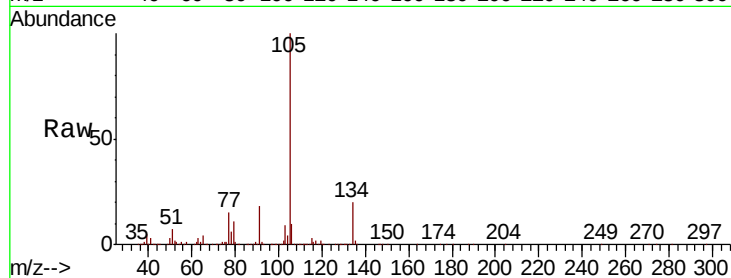
ClientSampleId :

Tot Ion:105 Resp: 7527532

Ion Ratio Lower Upper

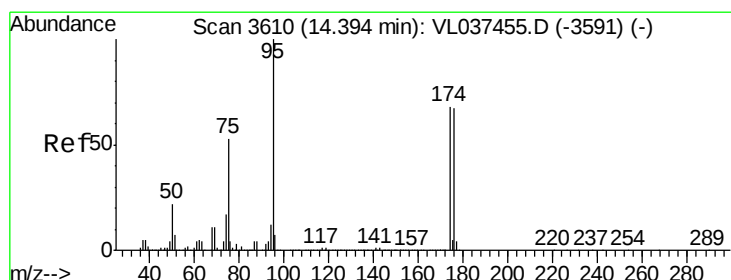
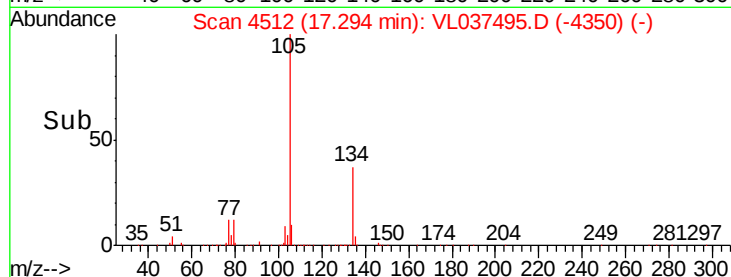
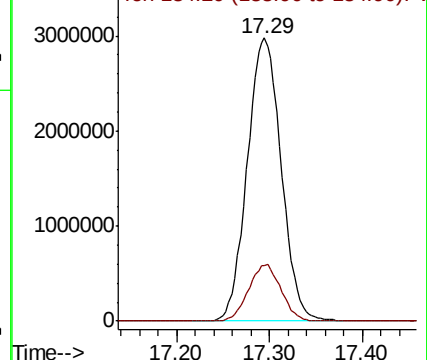
105 100

134 19.2 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: 8.558 ppbv

RT: 14.42 min Scan# 3618

Delta R.T. 0.03 min

Lab File: VL037495.D

Acq: 19 Aug 2021 11:03

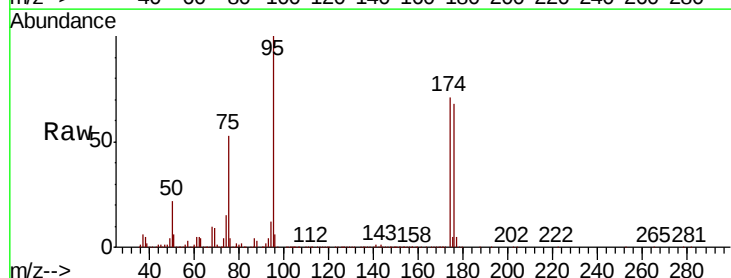
Tgt Ion: 95 Resp: 3080644

Ion Ratio Lower Upper

95 100

174 69.7 59.6 89.4

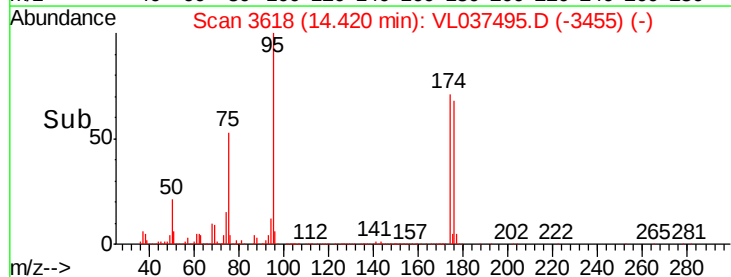
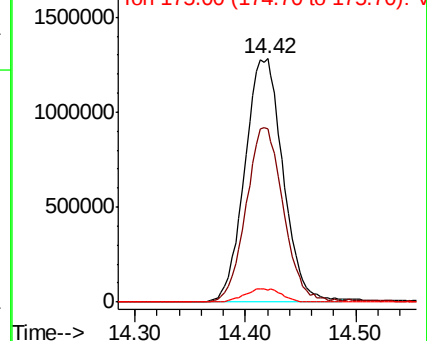
175 5.3 4.6 7.0

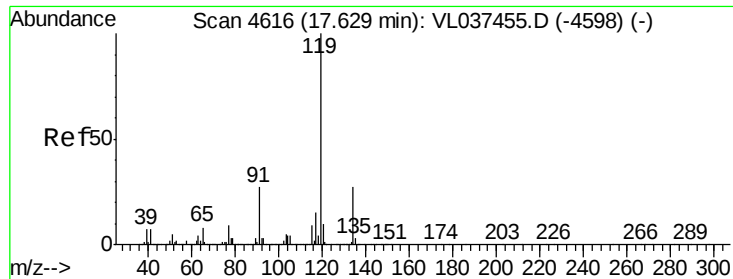


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

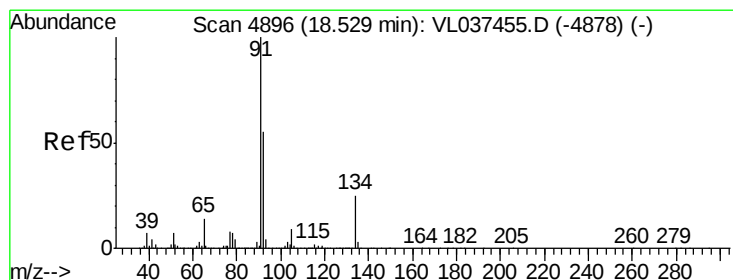
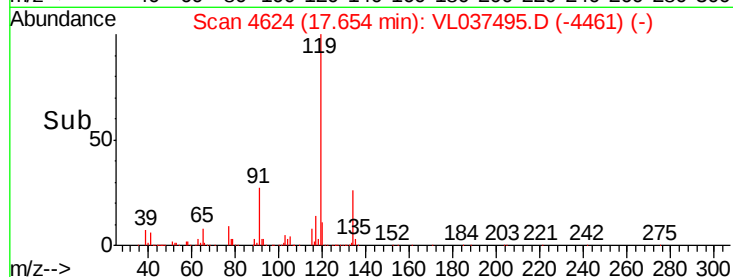
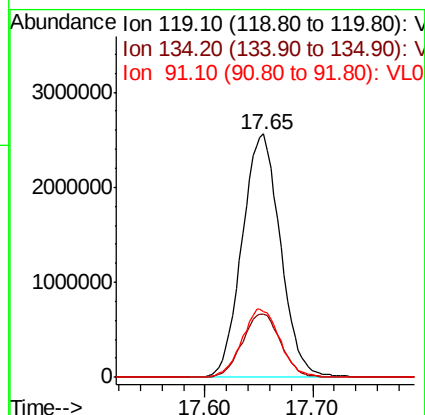
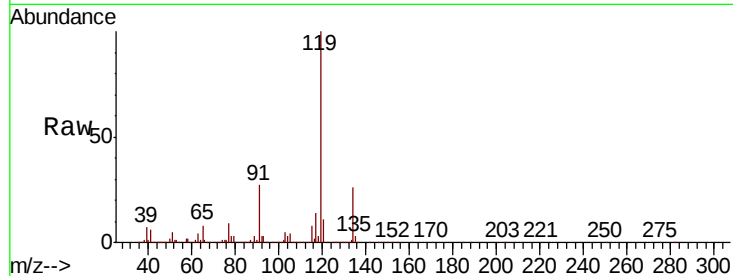




#69
 p-Isopropyltoluene
 Concen: 7.573 ppbv
 RT: 17.65 min Scan# 4624
 Delta R.T. 0.03 min
 Lab File: VL037495.D
 Acq: 19 Aug 2021 11:03

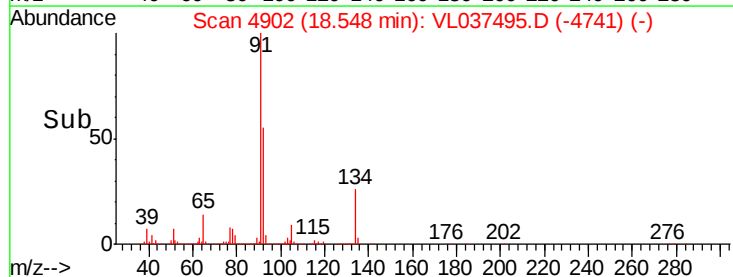
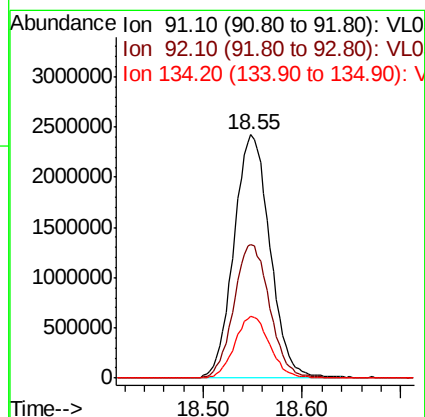
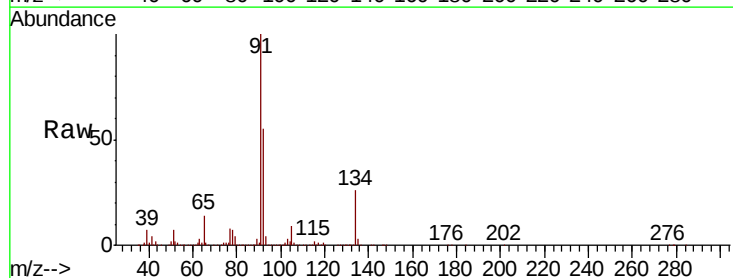
Instrument :
 MSVOA_L
 ClientSampleId :

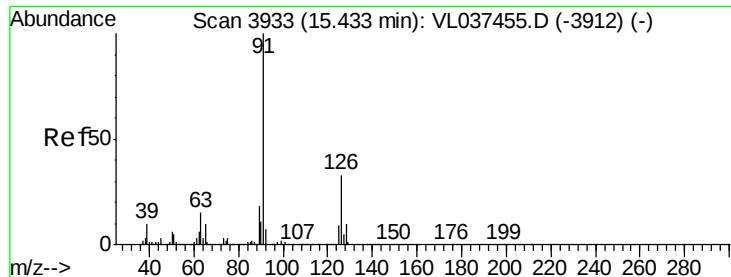
Tot Ion:119 Resp: 6306106
 Ion Ratio Lower Upper
 119 100
 134 26.3 21.1 31.7
 91 28.0 22.4 33.6



#70
 n-Butylbenzene
 Concen: 7.723 ppbv
 RT: 18.55 min Scan# 4902
 Delta R.T. 0.02 min
 Lab File: VL037495.D
 Acq: 19 Aug 2021 11:03

Tgt Ion: 91 Resp: 6145587
 Ion Ratio Lower Upper
 91 100
 92 55.0 44.0 66.0
 134 24.8 19.5 29.3





#71

2-Chlorotoluene

Concen: 7.864 ppbv

RT: 15.46 min Scan# 3940

Delta R.T. 0.02 min

Lab File: VL037495.D

Acq: 19 Aug 2021 11:03

Instrument :

MSVOA_L

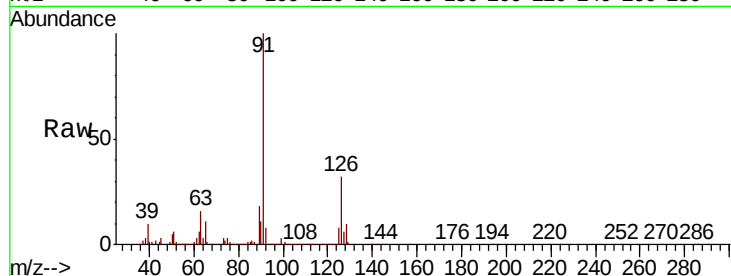
ClientSampleId :

Tot Ion: 91 Resp: 4630696

Ion Ratio Lower Upper

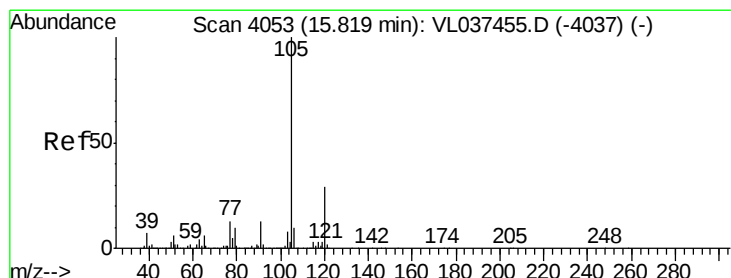
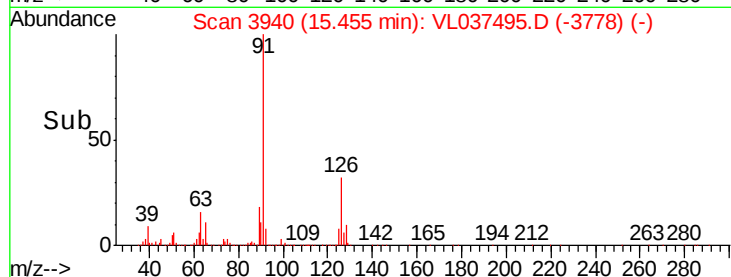
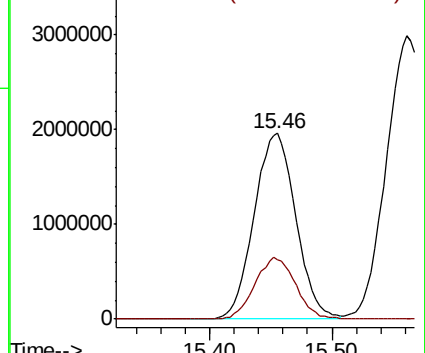
91 100

126 32.5 13.6 54.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 7.879 ppbv

RT: 15.84 min Scan# 4059

Delta R.T. 0.02 min

Lab File: VL037495.D

Acq: 19 Aug 2021 11:03

Tgt Ion: 105 Resp: 5332209

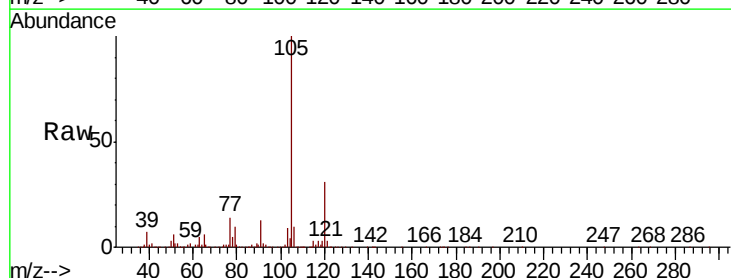
Ion Ratio Lower Upper

105 100

120 30.5 24.7 37.1

91 12.3 9.8 14.8

77 13.2 10.6 15.8

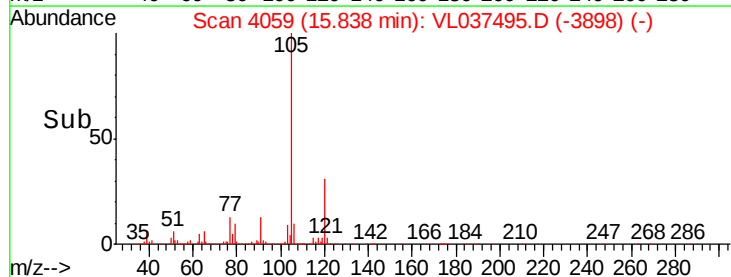
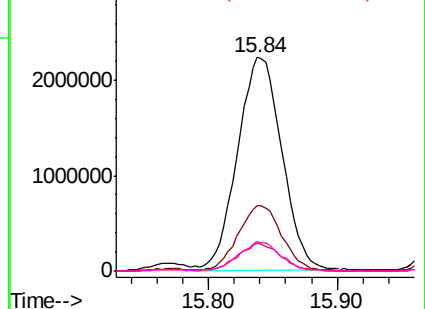


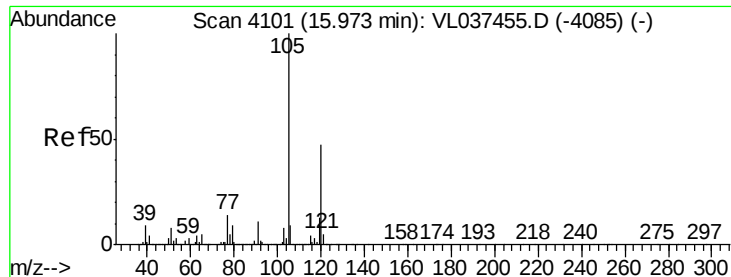
Abundance Ion 105.10 (104.80 to 105.80): V

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

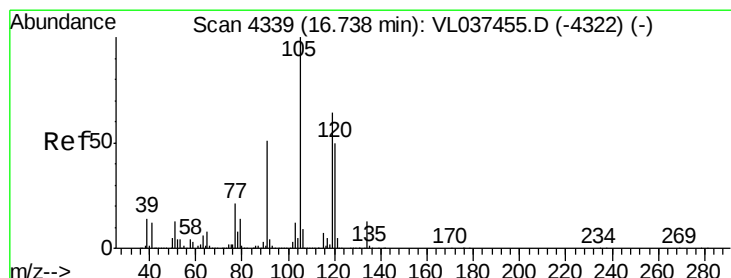
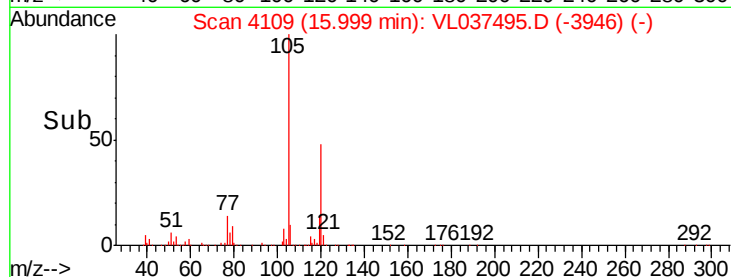
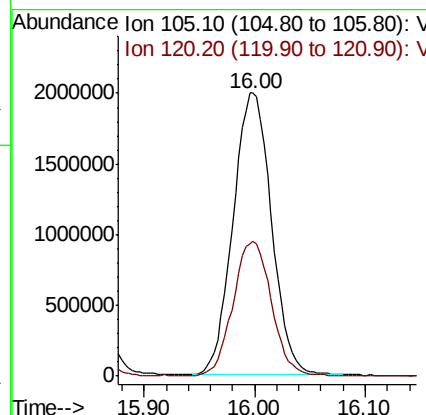
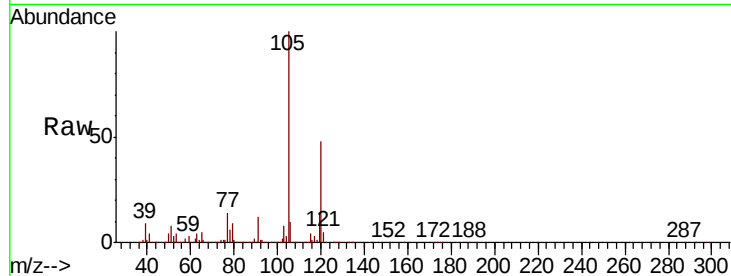




#73
 1,3,5-Trimethylbenzene
 Concen: 7.631 ppbv
 RT: 16.00 min Scan# 4109
 Delta R.T. 0.03 min
 Lab File: VL037495.D
 Acq: 19 Aug 2021 11:03

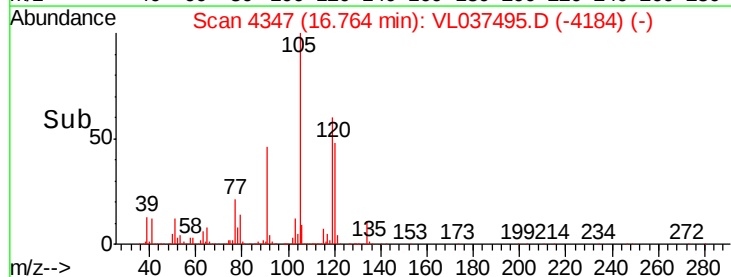
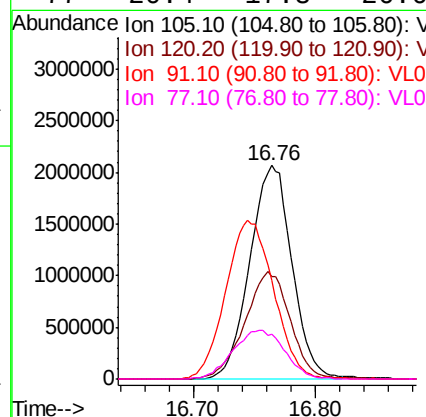
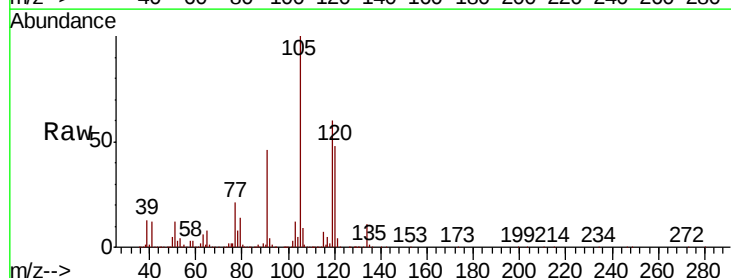
Instrument :
 MSVOA_L
 ClientSampleId :

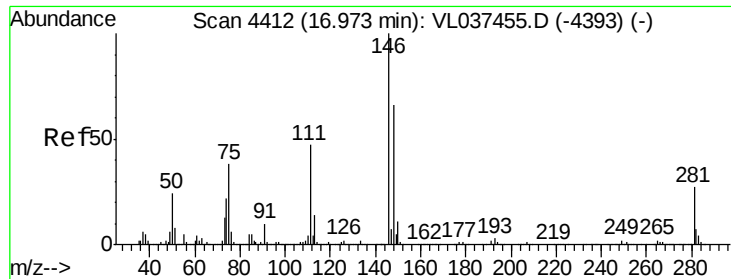
Tot Ion:105 Resp: 4807199
 Ion Ratio Lower Upper
 105 100
 120 47.7 37.6 56.4



#74
 1,2,4-Trimethylbenzene
 Concen: 7.346 ppbv
 RT: 16.76 min Scan# 4347
 Delta R.T. 0.03 min
 Lab File: VL037495.D
 Acq: 19 Aug 2021 11:03

Tgt Ion:105 Resp: 4917324
 Ion Ratio Lower Upper
 105 100
 120 47.7 40.4 60.6
 91 46.0 44.6 67.0
 77 20.4 17.8 26.6

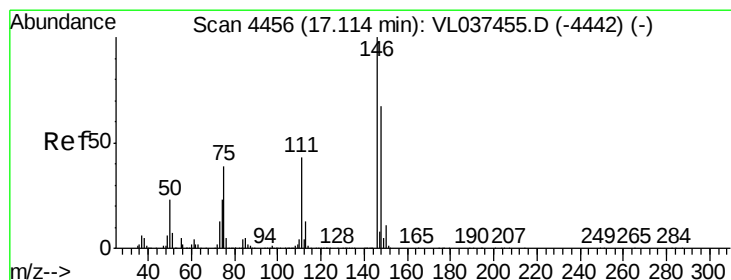
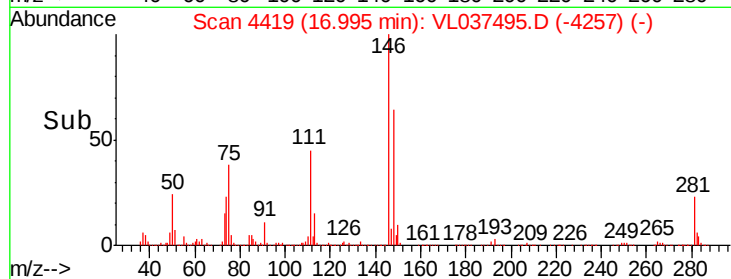
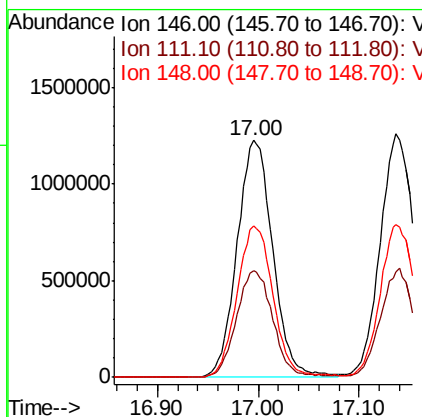
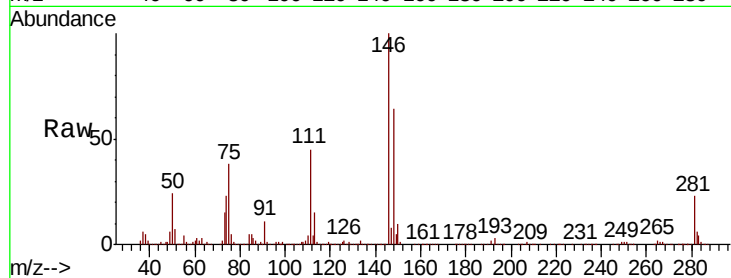




#75
 1,3-Dichlorobenzene
 Concen: 7.477 ppbv
 RT: 17.00 min Scan# 4419
 Delta R.T. 0.02 min
 Lab File: VL037495.D
 Acq: 19 Aug 2021 11:03

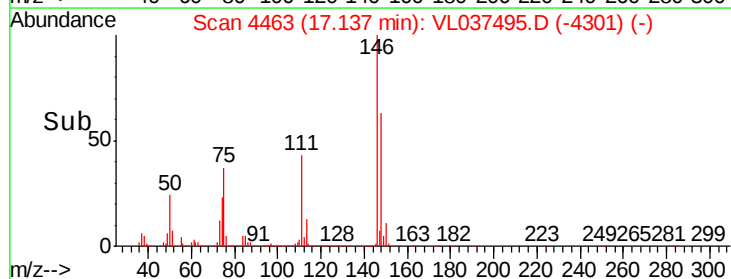
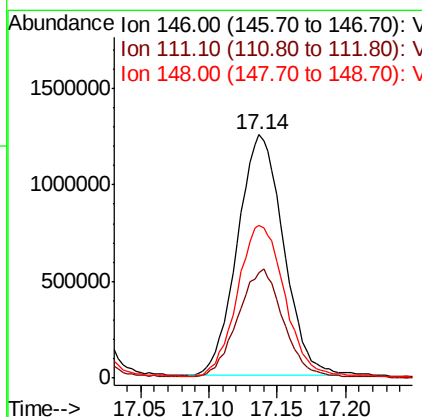
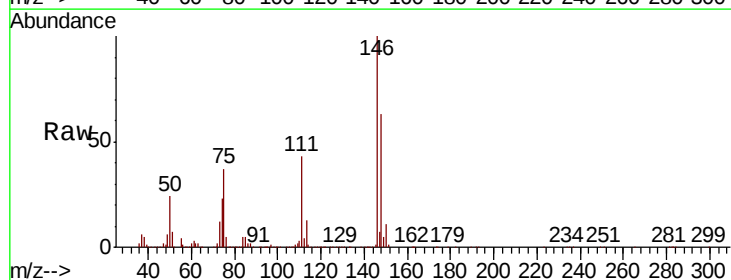
Instrument :
 MSVOA_L
 ClientSampleId :

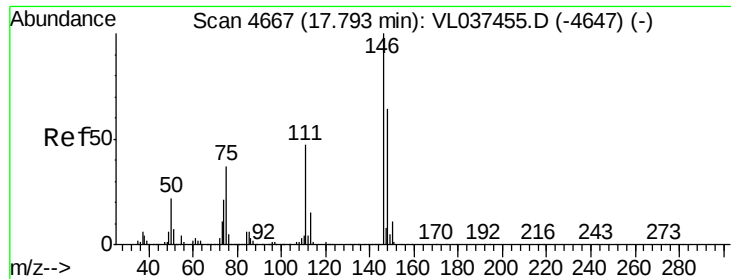
Tot Ion:146 Resp: 3012520
 Ion Ratio Lower Upper
 146 100
 111 45.8 23.4 70.0
 148 64.7 33.1 99.5



#76
 1,4-Dichlorobenzene
 Concen: 7.160 ppbv
 RT: 17.14 min Scan# 4463
 Delta R.T. 0.02 min
 Lab File: VL037495.D
 Acq: 19 Aug 2021 11:03

Tgt Ion:146 Resp: 2906309
 Ion Ratio Lower Upper
 146 100
 111 45.8 22.1 66.5
 148 67.2 32.4 97.0





#77

1,2-Dichlorobenzene

Concen: 7.294 ppbv

RT: 17.82 min Scan# 4675

Delta R.T. 0.03 min

Lab File: VL037495.D

Acq: 19 Aug 2021 11:03

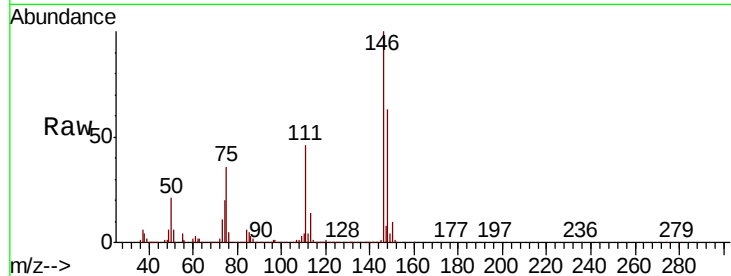
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:146 Resp: 2893887

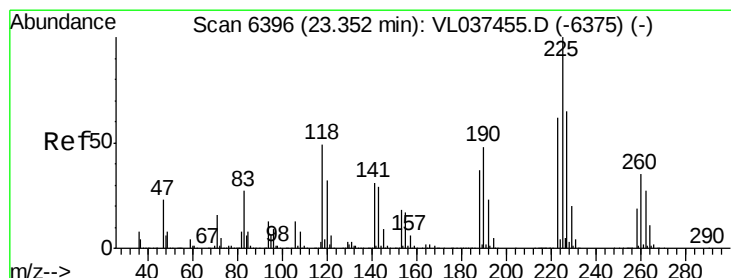
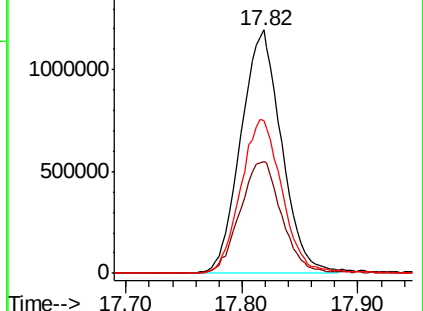
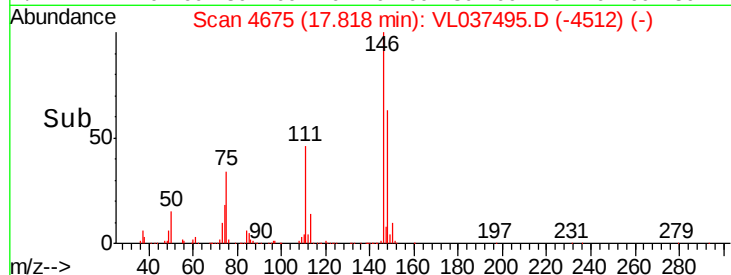
Ion	Ratio	Lower	Upper
146	100		
111	47.9	23.4	70.3
148	64.8	32.5	97.5



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: 6.662 ppbv

RT: 23.37 min Scan# 6402

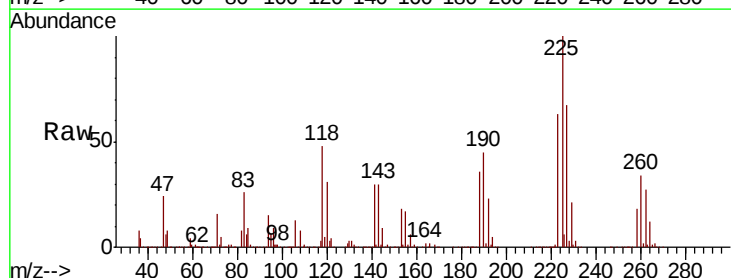
Delta R.T. 0.02 min

Lab File: VL037495.D

Acq: 19 Aug 2021 11:03

Tgt Ion:225 Resp: 2197814

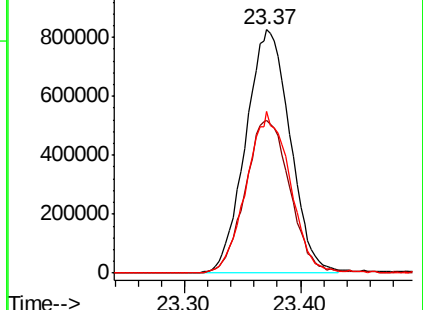
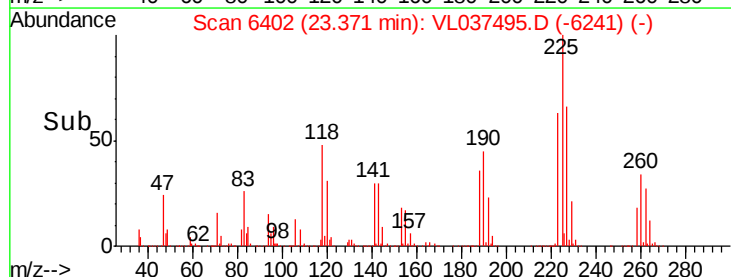
Ion	Ratio	Lower	Upper
225	100		
223	63.5	51.4	77.0
227	65.5	52.9	79.3

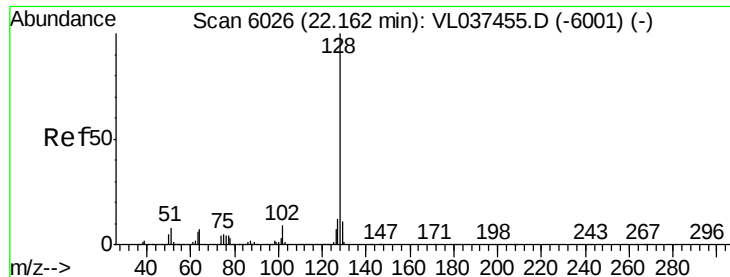


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 7.934 ppbv

RT: 22.19 min Scan# 6036

Delta R.T. 0.03 min

Lab File: VL037495.D

Acq: 19 Aug 2021 11:03

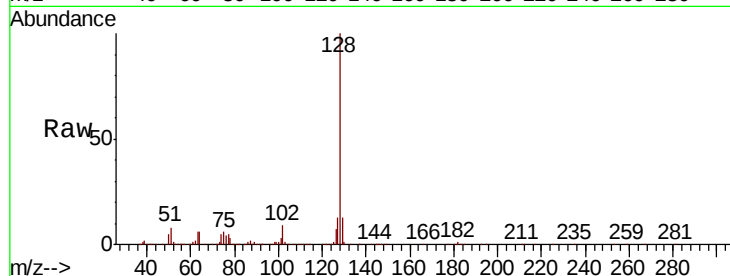
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:128 Resp: 3553920

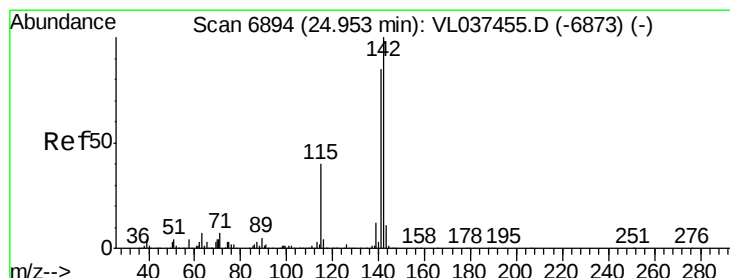
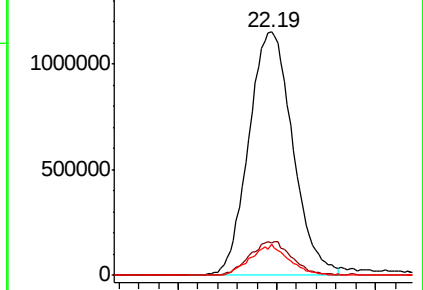
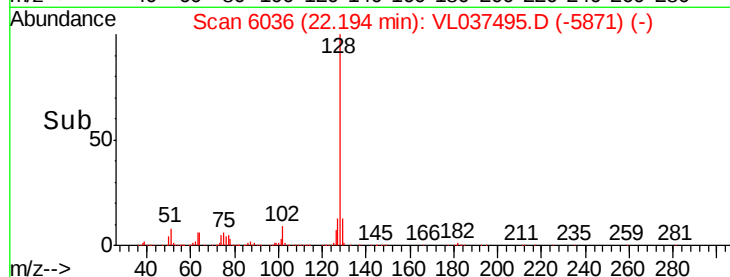
Ion	Ratio	Lower	Upper
128	100		
127	13.1	9.4	14.2
129	12.6	8.8	13.2



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: 6.314 ppbv

RT: 24.97 min Scan# 6899

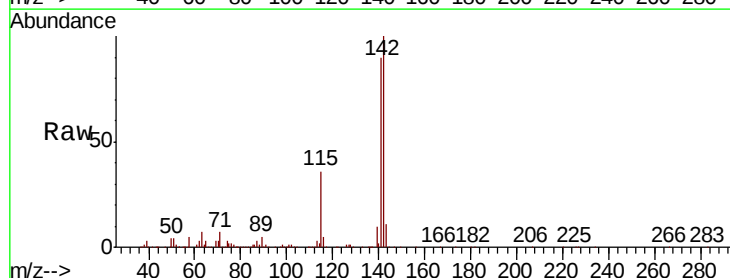
Delta R.T. 0.02 min

Lab File: VL037495.D

Acq: 19 Aug 2021 11:03

Tgt Ion:142 Resp: 787961

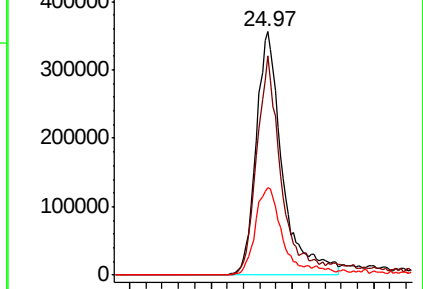
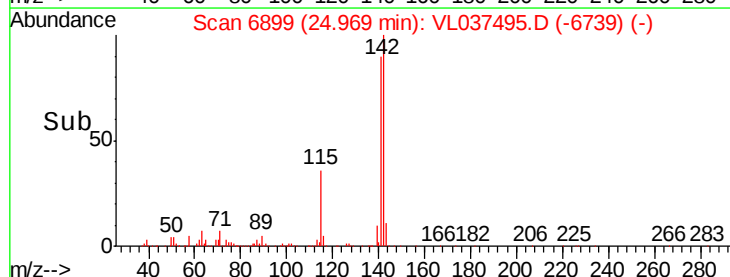
Ion	Ratio	Lower	Upper
142	100		
141	90.4	64.7	97.1
115	40.7	28.4	42.6

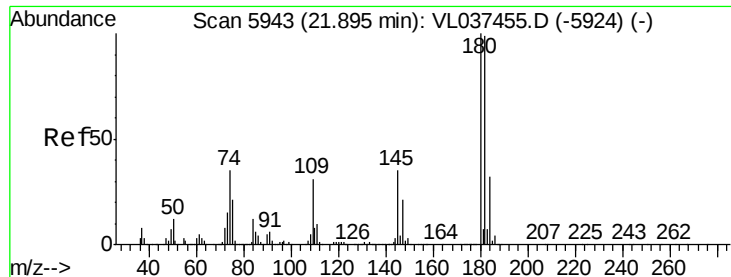


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

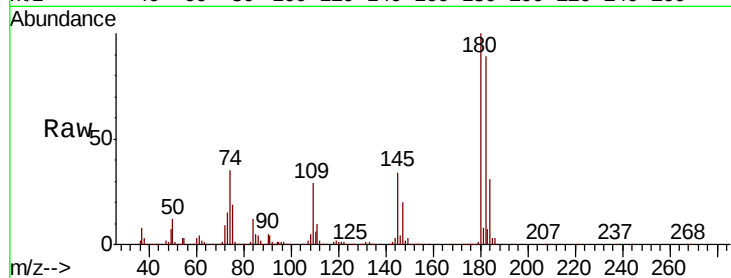




#81
 1,2,4-Trichlorobenzene
 Concen: 7.736 ppbv
 RT: 21.92 min Scan# 5951
 Delta R.T. 0.03 min
 Lab File: VL037495.D
 Acq: 19 Aug 2021 11:03

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:180 Resp: 2174667
 Ion Ratio Lower Upper
 180 100
 182 97.8 79.6 119.4
 184 31.3 25.4 38.2



Abundance Ion 180.00 (179.70 to 180.70): V
 1000000 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V

