

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080421\
 Data File : VL037322.D
 Acq On : 5 Aug 2021 00:31
 Operator : SY/AP
 Sample : VL0804ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Aug 05 03:58:59 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080421AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 04 22:53:01 2021
 QLast Update : Wed Aug 04 22:53:01 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1175633	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3862716	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	4195901	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.40	95	2375551	8.29	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	82.90%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.04	85	1855918	7.775	ppbv 98
3) Chlorodifluoromethane	2.98	51	2011231	8.414	ppbv 98
4) Chloromethane	3.14	50	726799	8.490	ppbv 95
5) Vinyl Chloride	3.25	62	809418	9.034	ppbv 95
6) Bromomethane	3.47	94	490716	8.875	ppbv 97
7) Chloroethane	3.56	64	283717	8.912	ppbv 98
8) Dichlorotetrafluoroethane	3.18	85	1959048	8.578	ppbv 98
9) Propene	3.01	41	706379	8.173	ppbv 100
10) Heptane	8.11	43	1747227	8.655	ppbv 98
11) Trichlorofluoromethane	3.94	101	1928737	8.783	ppbv 98
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1417664	8.879	ppbv 98
13) Ethanol	3.61	45	85786	6.590	ppbv 92
14) Bromoethene	3.73	108	654222	9.178	ppbv 99
15) Acetone	3.84	43	953854	7.469	ppbv 98
16) 1,3-Butadiene	3.32	39	716373	8.708	ppbv 99
17) tert-Butyl alcohol	4.29	59	1161903	9.059	ppbv 100
18) 1,1-Dichloroethene	4.28	96	661437	9.069	ppbv 94
19) Isopropyl Alcohol	3.96	45	658794	9.321	ppbv 100
20) Methylene Chloride	4.34	84	574105	5.430	ppbv 99
21) Allyl Chloride	4.41	41	889804	8.608	ppbv 96
22) trans-1,2-Dichloroethene	4.88	96	633445	9.534	ppbv 96
23) Vinyl Acetate	5.07	43	1730883	8.976	ppbv 100
24) 1,1-Dichloroethane	5.01	63	1453386	8.814	ppbv 100
25) Ethyl Acetate	5.67	43	2712618	8.168	ppbv 99
26) Hexane	5.68	57	1345247	7.240	ppbv 99
27) Carbon Disulfide	4.55	76	1458638	9.646	ppbv 99
28) Methyl tert-Butyl Ether	5.03	73	1705755	8.644	ppbv 100
29) Chloroform	5.74	83	2048616	8.705	ppbv 98
30) Cyclohexane	7.12	84	1228578	8.573	ppbv 98
31) cis-1,2-Dichloroethene	5.54	61	1300950	9.014	ppbv 99
32) 1,1,1-Trichloroethane	6.50	97	2089290	9.311	ppbv 99
34) 2-Butanone	5.24	43	1174300	8.761	ppbv 99
35) Carbon Tetrachloride	7.01	117	2178742	9.452	ppbv 99
36) Benzene	6.88	78	2906574	8.361	ppbv 99
37) 1,2-Dichloroethane	6.30	62	1454111	9.094	ppbv 99
38) Trichloroethene	7.83	130	1254071	8.243	ppbv 98
39) 1,2-Dichloropropane	7.60	63	1082878	8.365	ppbv 96
40) 1,4-Dioxane	7.83	88	128697	3.456	ppbv # 1
41) Tetrahydrofuran	6.04	42	658915	8.839	ppbv 99
42) Bromodichloromethane	7.78	83	2194543	9.117	ppbv 99
43) Methyl Methacrylate	8.01	69	1050096	8.902	ppbv 98

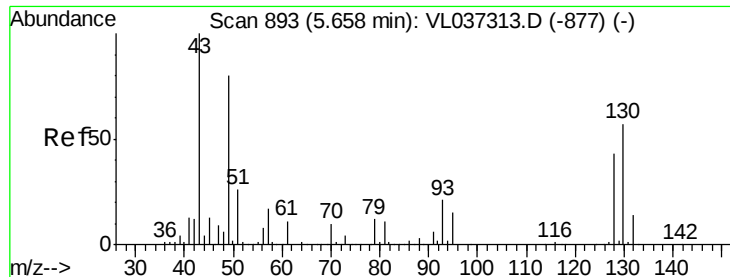
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080421\
 Data File : VL037322.D
 Acq On : 5 Aug 2021 00:31
 Operator : SY/AP
 Sample : VL0804ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Aug 05 03:58:59 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080421AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 04 22:53:01 2021
 QLast Update : Wed Aug 04 22:53:01 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	4652990	8.097	ppbv	99
45) t-1,3-Dichloropropene	9.27	75	968050	10.391	ppbv	99
46) cis-1,3-Dichloropropene	8.69	75	1288661	9.608	ppbv	98
47) 1,1,2-Trichloroethane	9.46	97	1171297	8.511	ppbv	97
48) Dibromochloromethane	10.29	129	1943385	9.528	ppbv	99
49) Bromoform	13.03	173	1508172	9.862	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	1794931	8.745	ppbv	98
51) 2-Hexanone	10.13	43	883195	9.464	ppbv #	99
52) Tetrachloroethene	11.21	164	1187886	7.934	ppbv	97
53) Toluene	9.80	91	3454498	8.418	ppbv	100
54) 1,2-Dibromoethane	10.60	107	1712335	8.959	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.11	131	1310208	7.233	ppbv	98
57) Chlorobenzene	12.14	112	2465875	6.961	ppbv	99
58) Ethyl Benzene	12.70	91	4176028	6.776	ppbv	99
59) m/p-Xylene	12.99	91	3669823	7.069	ppbv #	29
60) o-Xylene	13.68	91	3321526	7.040	ppbv	95
61) Styrene	13.52	104	1975511	7.638	ppbv	96
62) Isopropylbenzene	14.65	105	4834351	7.057	ppbv	97
63) 1,1,2,2-Tetrachloroethane	13.66	83	2317351	6.765	ppbv	100
64) n-propylbenzene	15.55	120	1300585	7.260	ppbv	97
65) tert-Butylbenzene	16.73	119	4391527	6.951	ppbv	100
66) Benzyl Chloride	16.97	91	206386	8.405	ppbv	99
67) sec-Butylbenzene	17.28	105	5930137	6.959	ppbv	100
69) p-Isopropyltoluene	17.64	119	5153033	7.189	ppbv	99
70) n-Butylbenzene	18.54	91	4865028	7.421	ppbv	100
71) 2-Chlorotoluene	15.44	91	3390109	7.082	ppbv	100
72) 4-Ethyltoluene	15.82	105	4240790	7.446	ppbv	98
73) 1,3,5-Trimethylbenzene	15.99	105	3723796	7.272	ppbv	98
74) 1,2,4-Trimethylbenzene	16.75	105	3951352	7.231	ppbv	99
75) 1,3-Dichlorobenzene	16.98	146	2521706	7.506	ppbv	99
76) 1,4-Dichlorobenzene	17.12	146	2473482	7.424	ppbv	99
77) 1,2-Dichlorobenzene	17.80	146	2424801	7.411	ppbv	99
78) Hexachloro-1,3-Butadiene	23.36	225	2003074	6.817	ppbv	99
79) Naphthalene	22.18	128	4330214	8.634	ppbv	100
80) Naphthalene, 2-methyl-	24.96	142	995373	12.211	ppbv	99
81) 1,2,4-Trichlorobenzene	21.91	180	2352237	8.073	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. 0.00 min

Lab File: VL037322.D

Acq: 5 Aug 2021 00:31

Instrument :

MSVOA_L

ClientSampled :

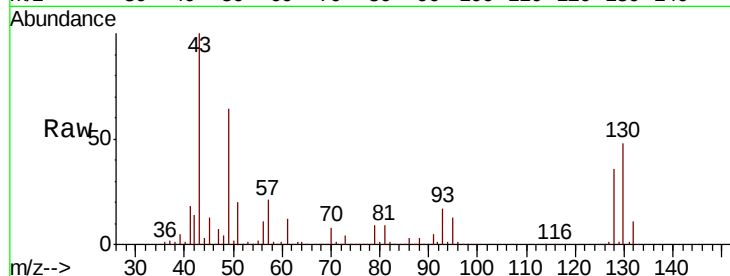
Tot Ion: 49 Resp: 1175633

Ion Ratio Lower Upper

49 100

128 62.9 29.8 89.5

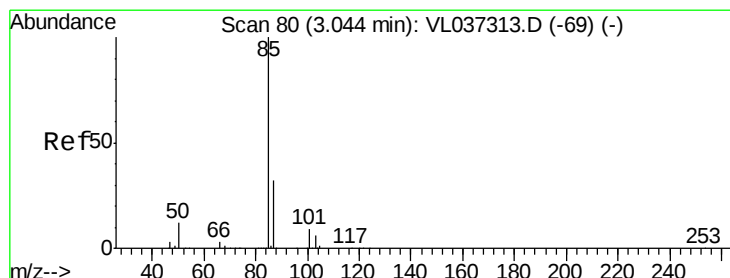
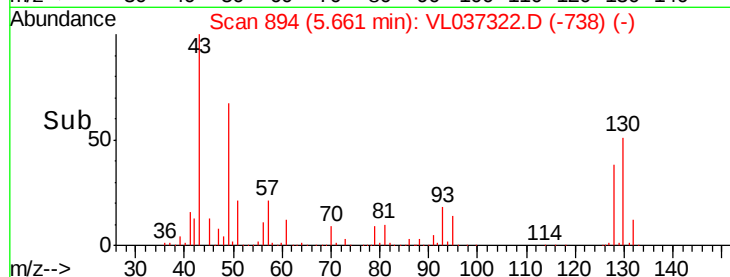
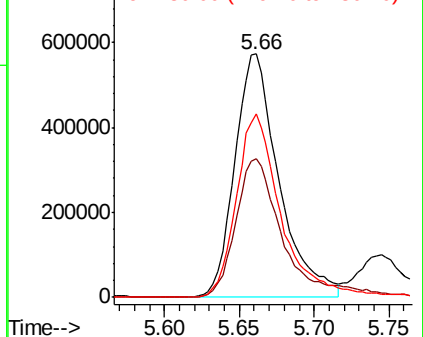
130 78.5 37.5 112.7



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 7.775 ppbv

RT: 3.04 min Scan# 80

Delta R.T. -0.00 min

Lab File: VL037322.D

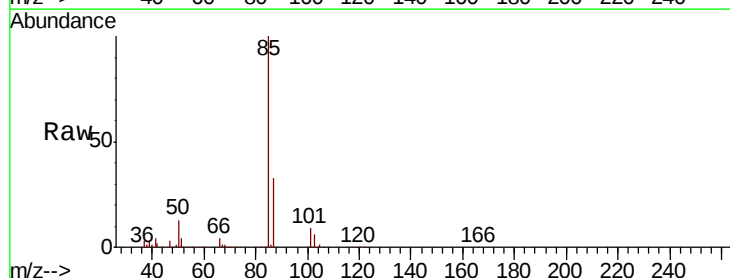
Acq: 5 Aug 2021 00:31

Tgt Ion: 85 Resp: 1855918

Ion Ratio Lower Upper

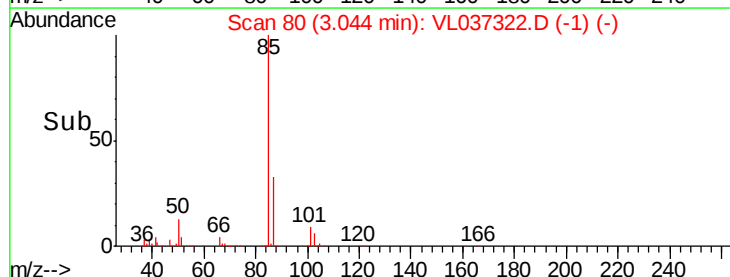
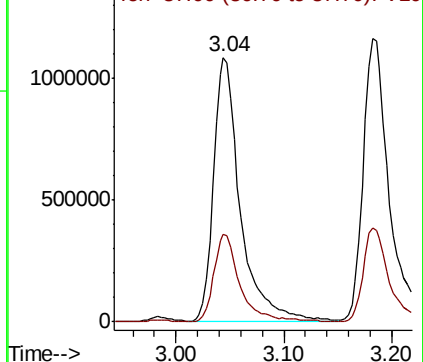
85 100

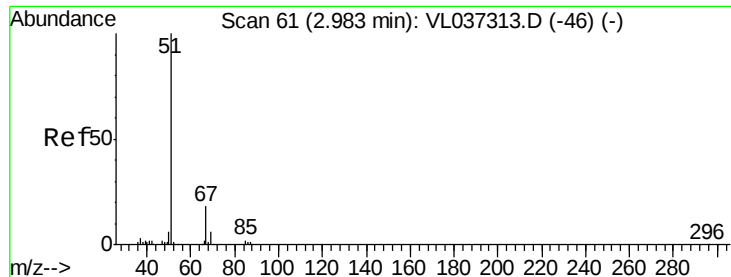
87 33.0 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 8.414 ppbv

RT: 2.98 min Scan# 61

Delta R.T. -0.00 min

Lab File: VL037322.D

Acq: 5 Aug 2021 00:31

Instrument :

MSVOA_L

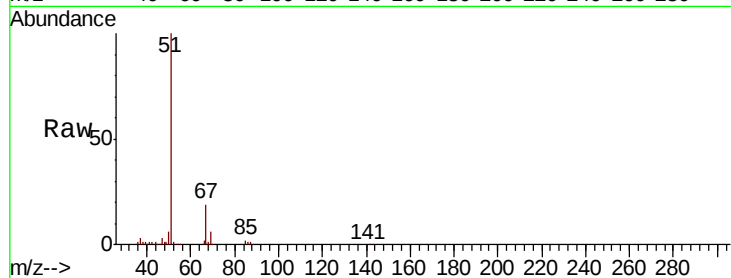
ClientSampleId :

Tot Ion: 51 Resp: 2011231

Ion Ratio Lower Upper

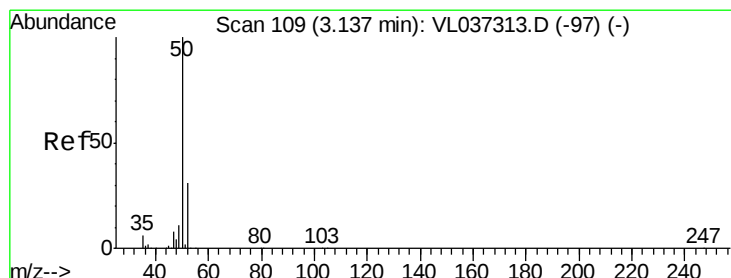
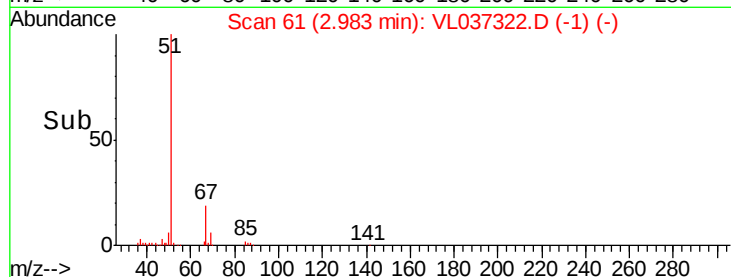
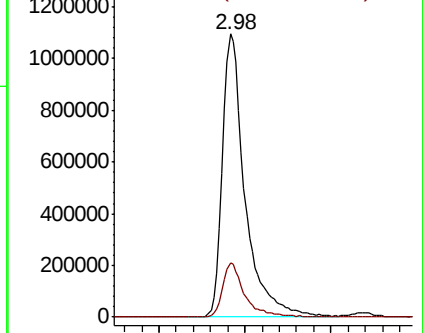
51 100

67 18.7 14.2 21.2



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 8.490 ppbv

RT: 3.14 min Scan# 109

Delta R.T. -0.00 min

Lab File: VL037322.D

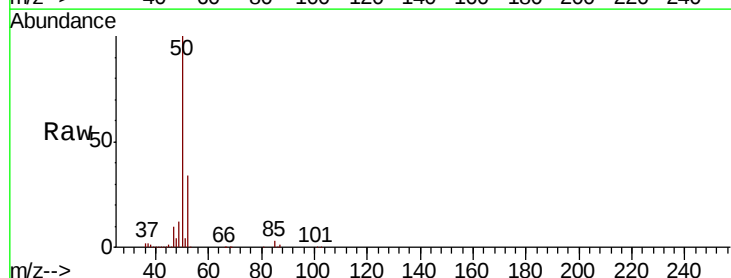
Acq: 5 Aug 2021 00:31

Tgt Ion: 50 Resp: 726799

Ion Ratio Lower Upper

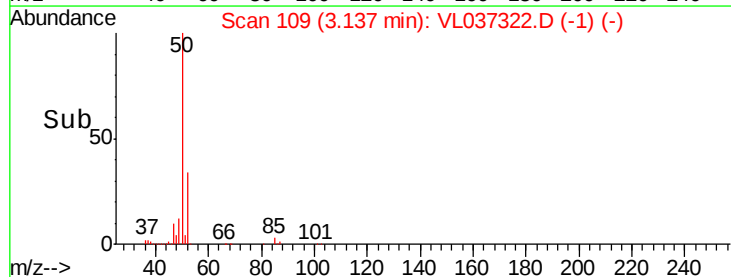
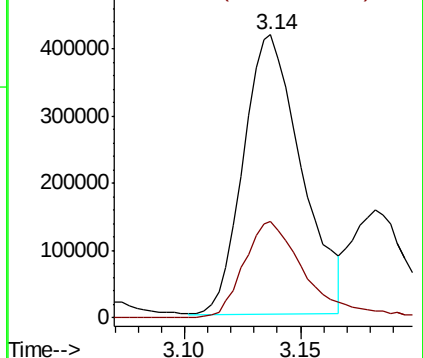
50 100

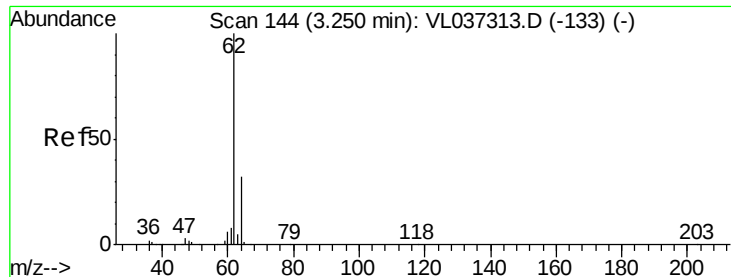
52 34.3 25.1 37.7



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.034 ppbv

RT: 3.25 min Scan# 145

Delta R.T. 0.00 min

Lab File: VL037322.D

Acq: 5 Aug 2021 00:31

Instrument :

MSVOA_L

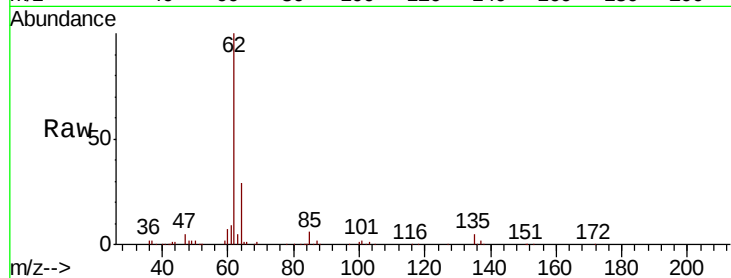
ClientSampled :

Tot Ion: 62 Resp: 809418

Ion Ratio Lower Upper

62 100

64 29.5 25.7 38.5



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.25

500000

400000

300000

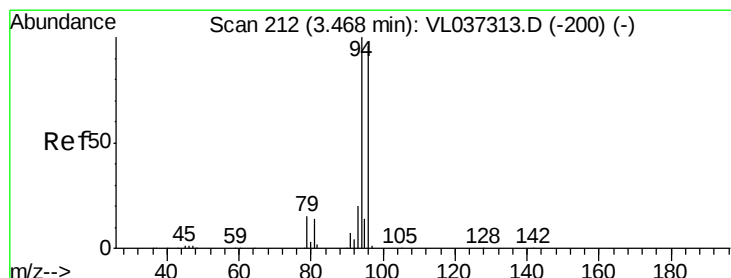
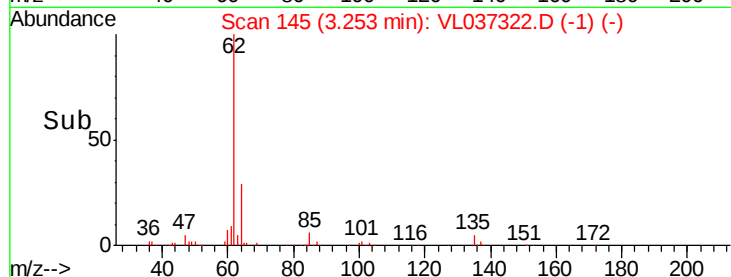
200000

100000

0

Time-->

3.20 3.25 3.30 3.35



#6

Bromomethane

Concen: 8.875 ppbv

RT: 3.47 min Scan# 212

Delta R.T. -0.00 min

Lab File: VL037322.D

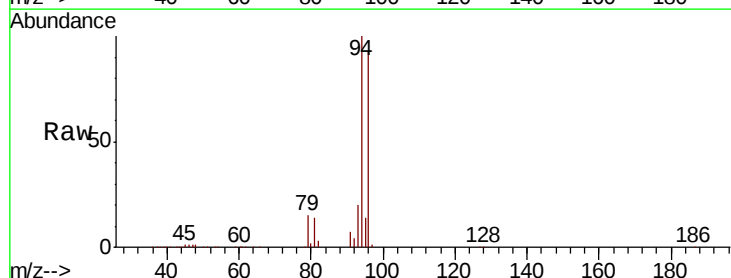
Acq: 5 Aug 2021 00:31

Tgt Ion: 94 Resp: 490716

Ion Ratio Lower Upper

94 100

96 93.4 76.7 115.1



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.47

300000

250000

200000

150000

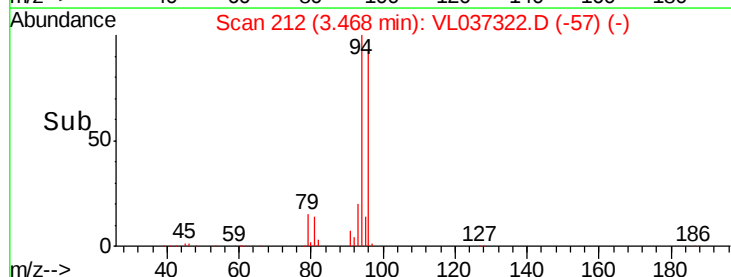
100000

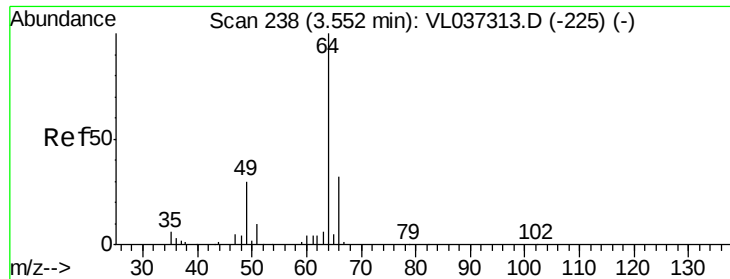
50000

0

Time-->

3.40 3.45 3.50 3.55





#7

Chloroethane

Concen: 8.912 ppbv

RT: 3.56 min Scan# 239

Delta R.T. 0.00 min

Lab File: VL037322.D

Acq: 5 Aug 2021 00:31

Instrument :

MSVOA_L

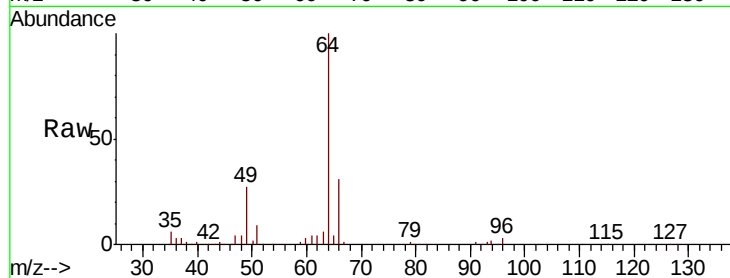
ClientSampleId :

Tot Ion: 64 Resp: 283717

Ion Ratio Lower Upper

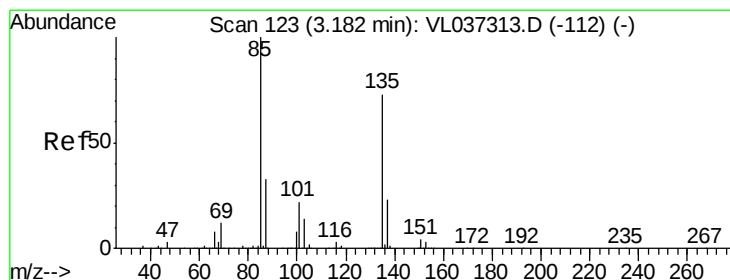
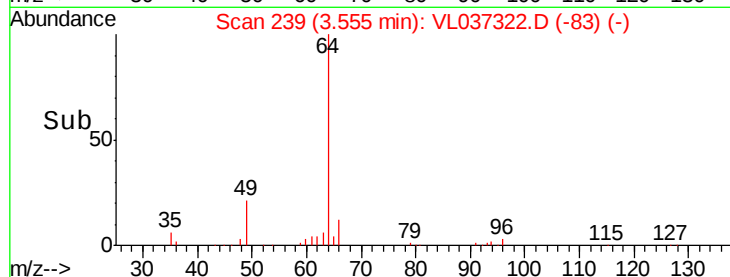
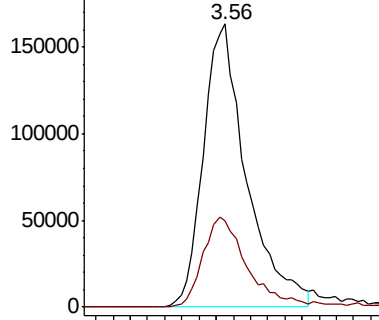
64 100

66 30.6 25.5 38.3



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 8.578 ppbv

RT: 3.18 min Scan# 123

Delta R.T. -0.00 min

Lab File: VL037322.D

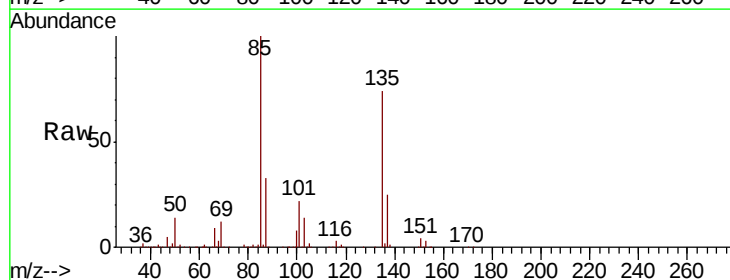
Acq: 5 Aug 2021 00:31

Tgt Ion: 85 Resp: 1959048

Ion Ratio Lower Upper

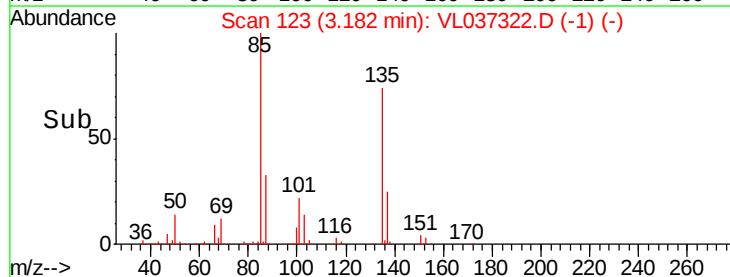
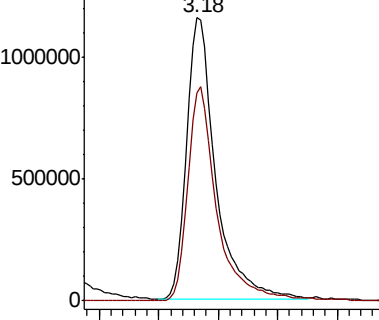
85 100

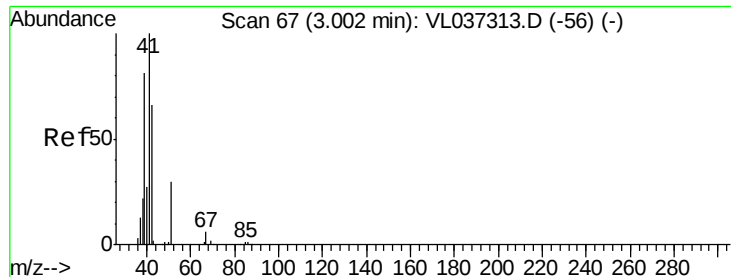
135 77.3 60.6 91.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

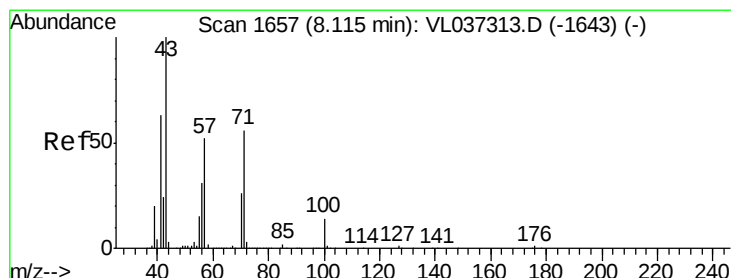
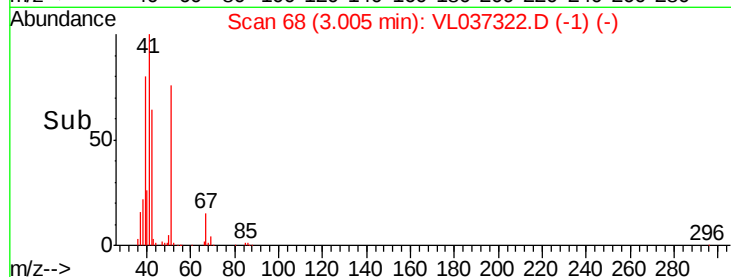
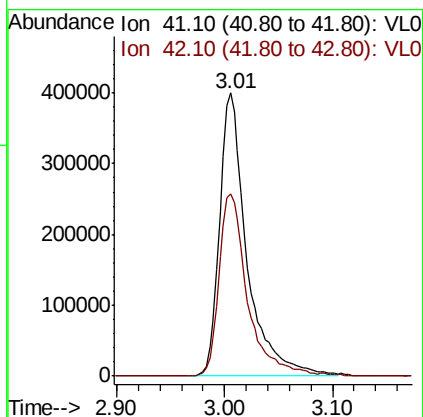
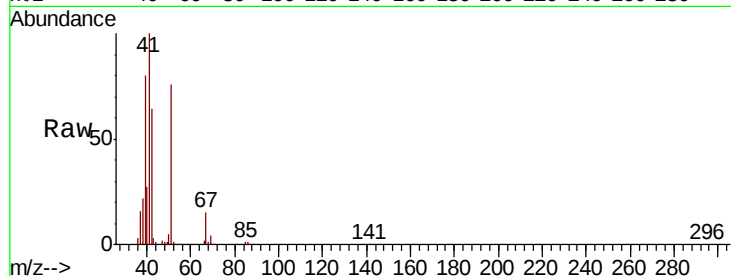




#9
Propene
Concen: 8.173 ppbv
RT: 3.01 min Scan# 68
Delta R.T. 0.00 min
Lab File: VL037322.D
Acq: 5 Aug 2021 00:31

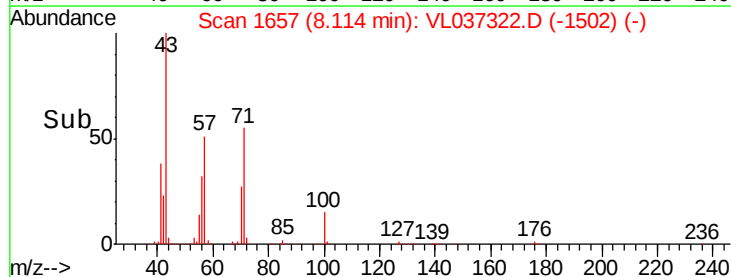
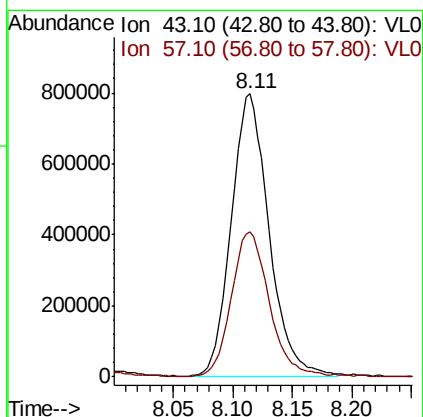
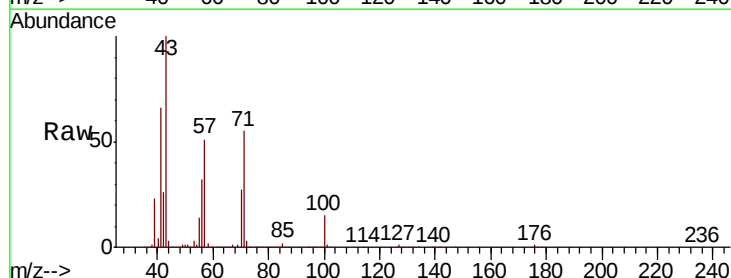
Instrument :
MSVOA_L
ClientSampleId :

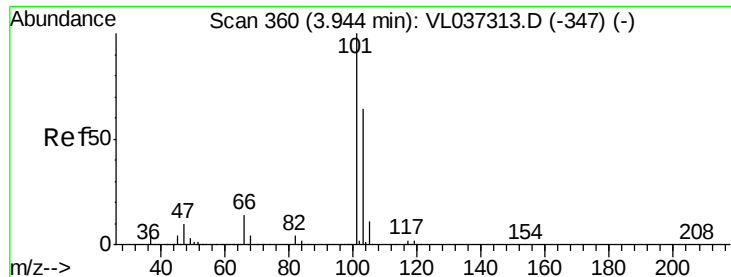
Tot Ion: 41 Resp: 706379
Ion Ratio Lower Upper
41 100
42 67.6 53.8 80.8



#10
Heptane
Concen: 8.655 ppbv
RT: 8.11 min Scan# 1657
Delta R.T. -0.00 min
Lab File: VL037322.D
Acq: 5 Aug 2021 00:31

Tgt Ion: 43 Resp: 1747227
Ion Ratio Lower Upper
43 100
57 51.8 42.4 63.6

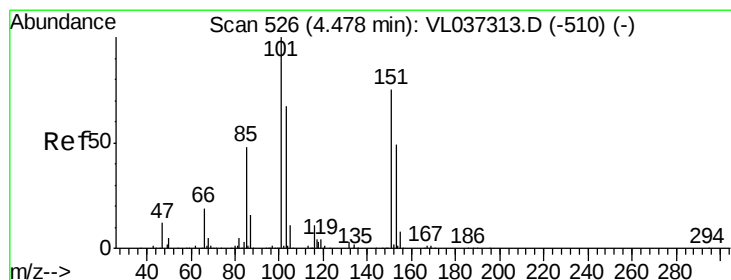
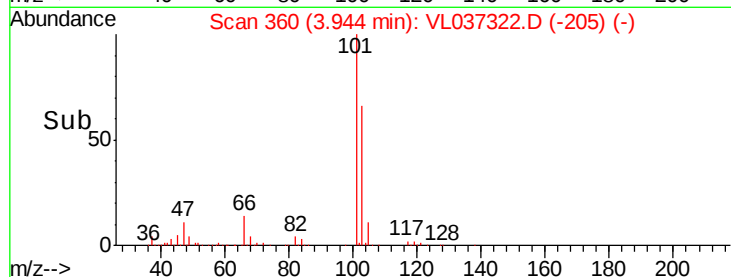
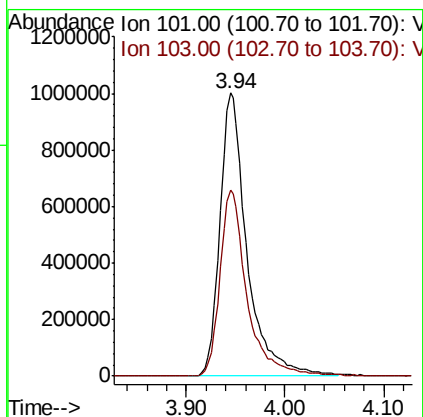
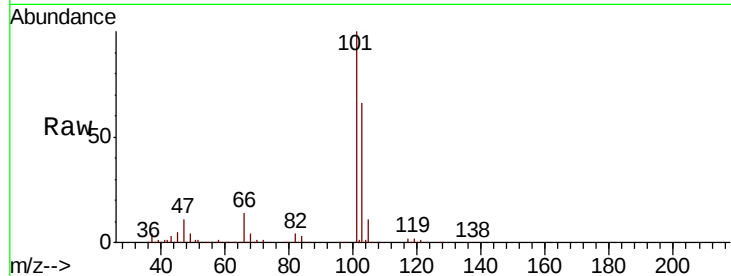




#11
 Trichlorofluoromethane
 Concen: 8.783 ppbv
 RT: 3.94 min Scan# 360
 Delta R.T. -0.00 min
 Lab File: VL037322.D
 Acq: 5 Aug 2021 00:31

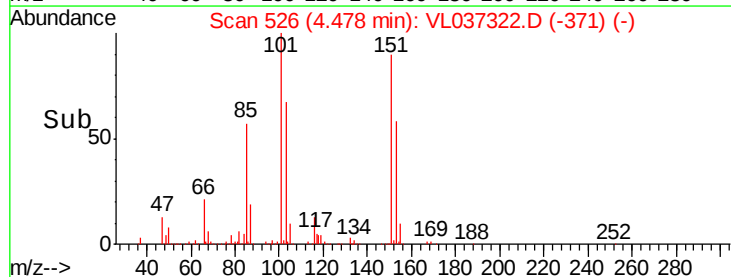
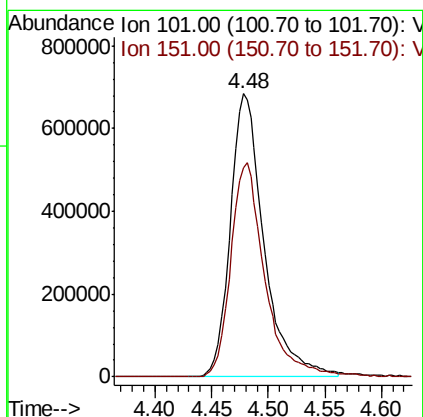
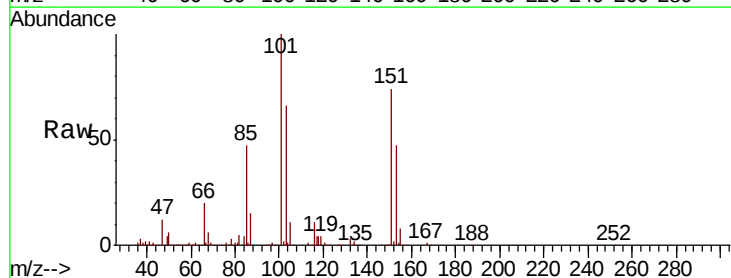
Instrument :
 MSVOA_L
 ClientSampled :

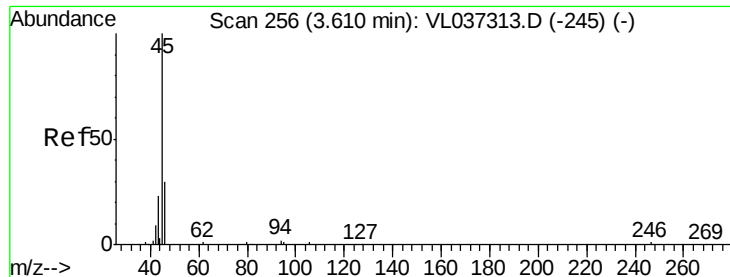
Tot Ion:101 Resp: 1928737
 Ion Ratio Lower Upper
 101 100
 103 65.8 51.6 77.4



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.879 ppbv
 RT: 4.48 min Scan# 526
 Delta R.T. -0.00 min
 Lab File: VL037322.D
 Acq: 5 Aug 2021 00:31

Tgt Ion:101 Resp: 1417664
 Ion Ratio Lower Upper
 101 100
 151 77.3 60.6 91.0

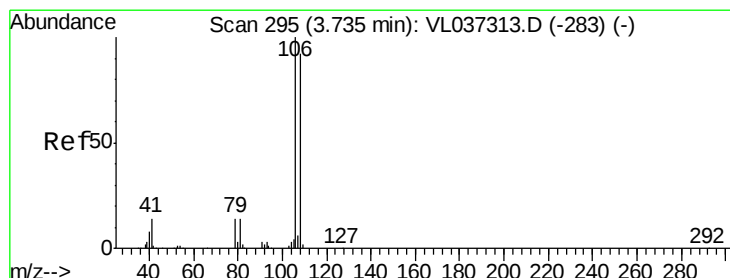
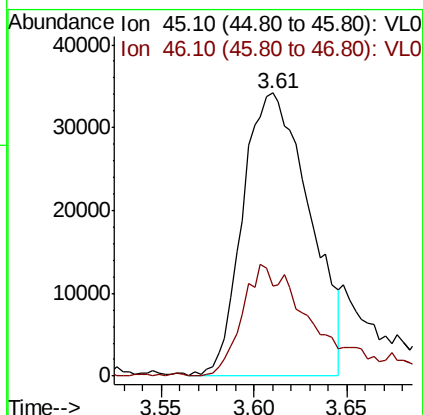
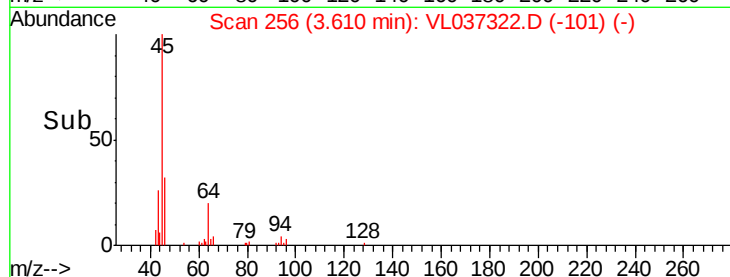
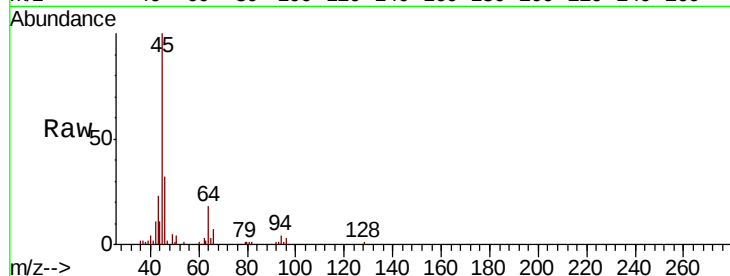




#13
Ethanol
Concen: 6.590 ppbv
RT: 3.61 min Scan# 256
Delta R.T. -0.00 min
Lab File: VL037322.D
Acq: 5 Aug 2021 00:31

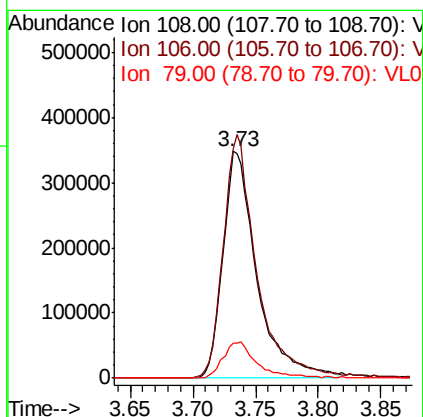
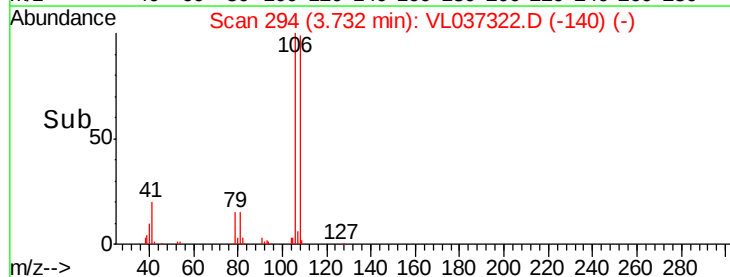
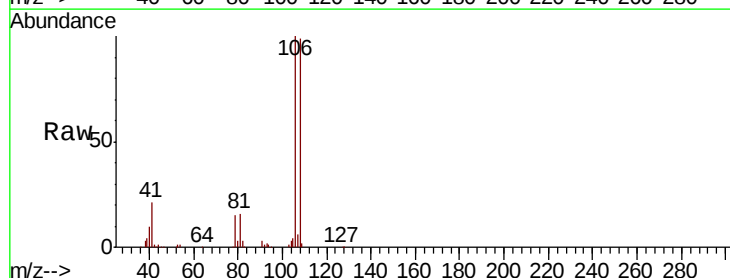
Instrument :
MSVOA_L
ClientSampleId :

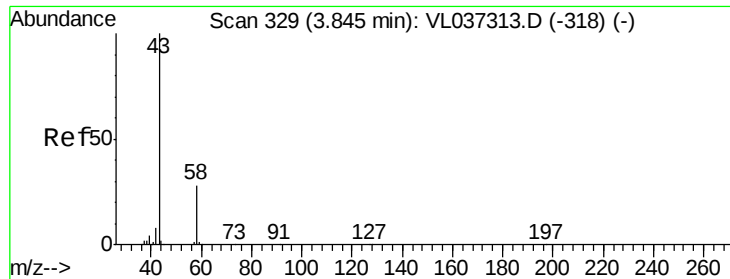
Tot Ion: 45 Resp: 85786
Ion Ratio Lower Upper
45 100
46 46.7 16.6 66.4



#14
Bromoethene
Concen: 9.178 ppbv
RT: 3.73 min Scan# 294
Delta R.T. -0.00 min
Lab File: VL037322.D
Acq: 5 Aug 2021 00:31

Tgt Ion: 108 Resp: 654222
Ion Ratio Lower Upper
108 100
106 107.1 86.9 130.3
79 16.1 12.3 18.5





#15

Acetone

Concen: 7.469 ppbv

RT: 3.84 min Scan# 329

Delta R.T. -0.00 min

Lab File: VL037322.D

Acq: 5 Aug 2021 00:31

Instrument :

MSVOA_L

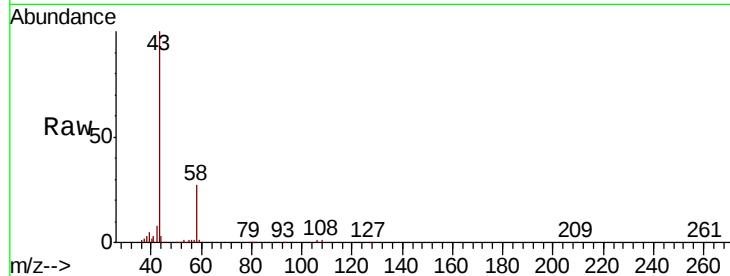
ClientSampleId :

Tot Ion: 43 Resp: 953854

Ion Ratio Lower Upper

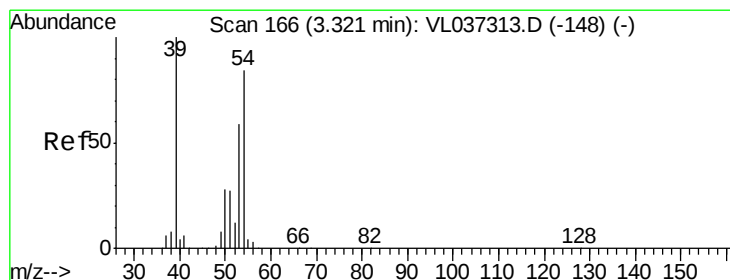
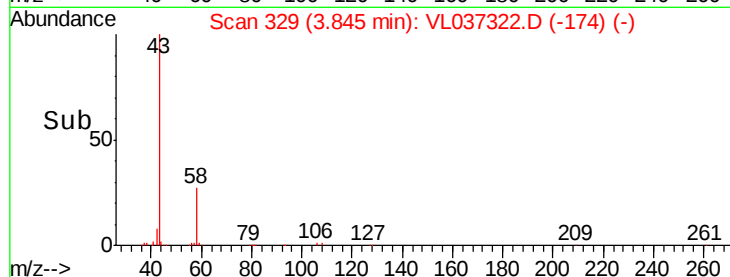
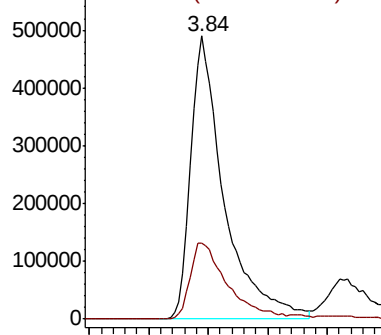
43 100

58 32.9 25.3 37.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 8.708 ppbv

RT: 3.32 min Scan# 167

Delta R.T. 0.00 min

Lab File: VL037322.D

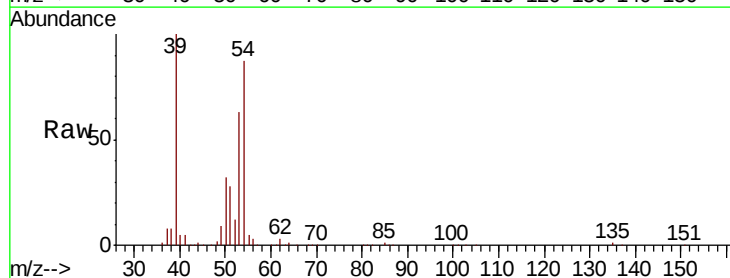
Acq: 5 Aug 2021 00:31

Tgt Ion: 39 Resp: 716373

Ion Ratio Lower Upper

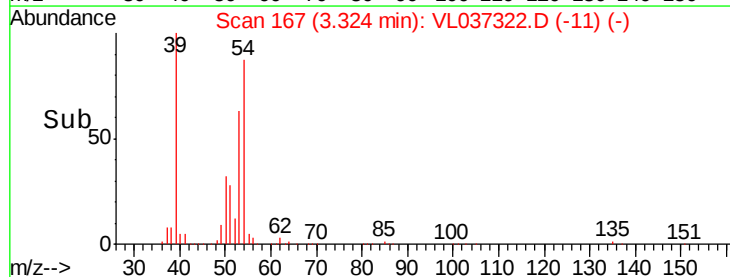
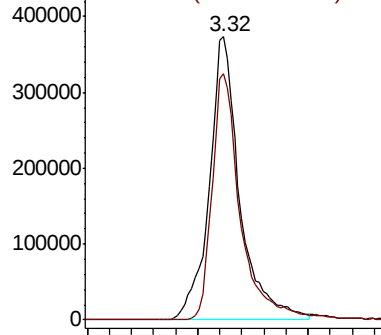
39 100

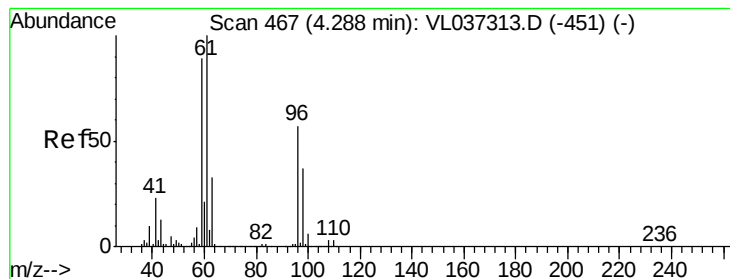
54 81.9 66.1 99.1



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0



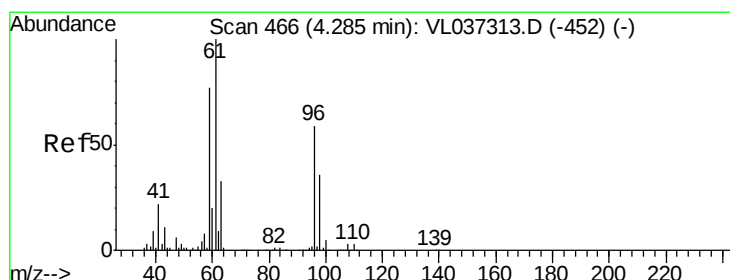
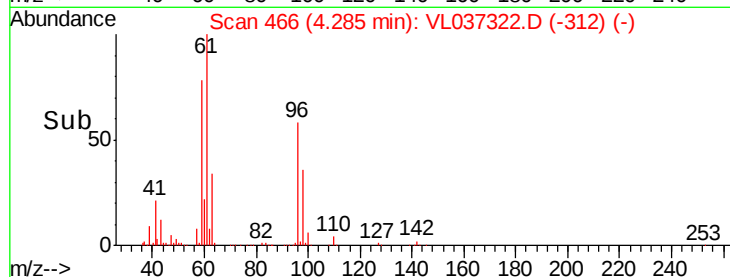
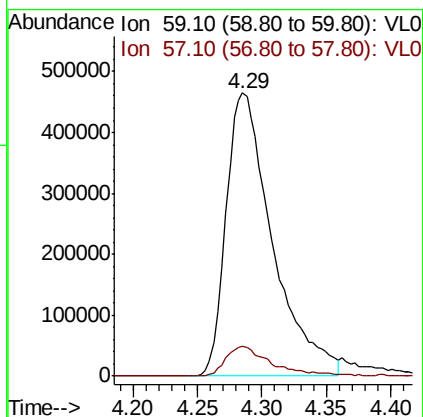
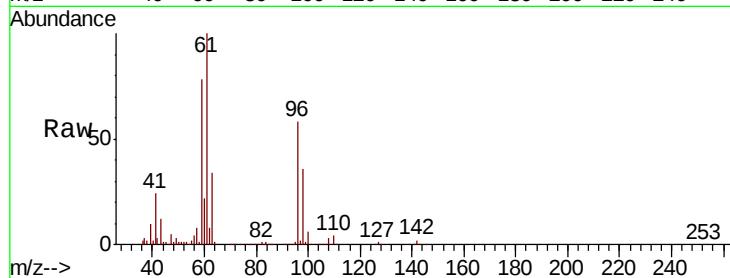


#17

tert-Butyl alcohol
 Concen: 9.059 ppbv
 RT: 4.29 min Scan# 466
 Delta R.T. -0.00 min
 Lab File: VL037322.D
 Acq: 5 Aug 2021 00:31

Instrument :
 MSVOA_L
 ClientSampleID :

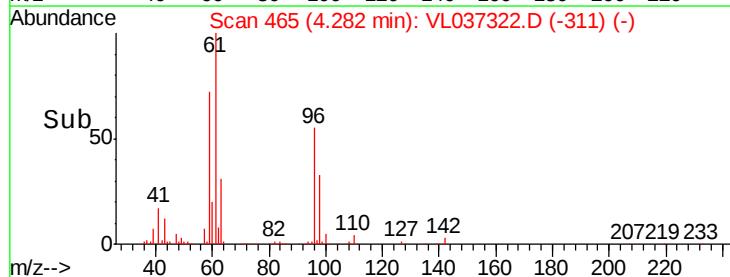
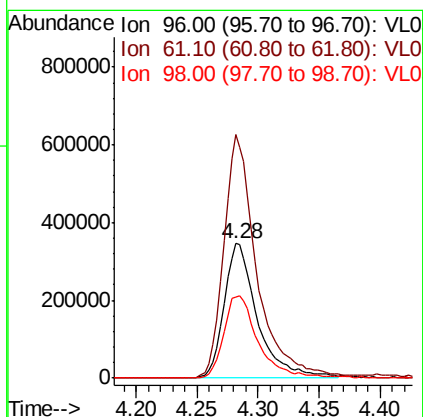
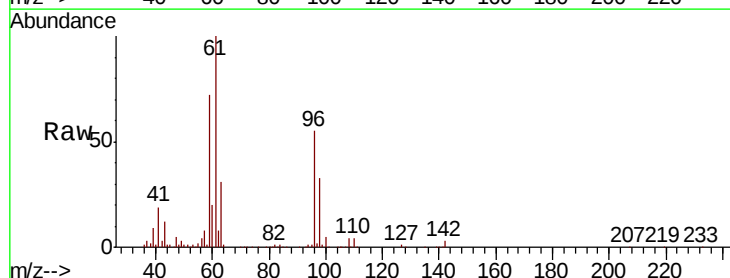
Tot Ion: 59 Resp: 1161903
 Ion Ratio Lower Upper
 59 100
 57 10.8 8.6 12.8

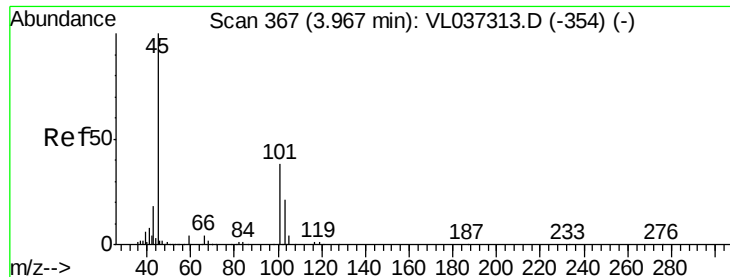


#18

1,1-Dichloroethene
 Concen: 9.069 ppbv
 RT: 4.28 min Scan# 465
 Delta R.T. -0.00 min
 Lab File: VL037322.D
 Acq: 5 Aug 2021 00:31

Tgt Ion: 96 Resp: 661437
 Ion Ratio Lower Upper
 96 100
 61 181.3 135.7 203.5
 98 60.5 48.6 72.8





#19

Isopropyl Alcohol

Concen: 9.321 ppbv

RT: 3.96 min Scan# 366

Delta R.T. -0.00 min

Lab File: VL037322.D

Acq: 5 Aug 2021 00:31

Instrument :

MSVOA_L

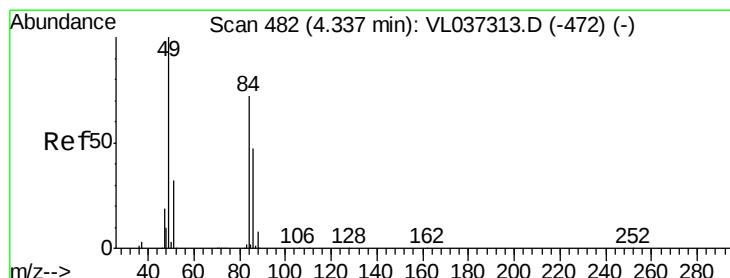
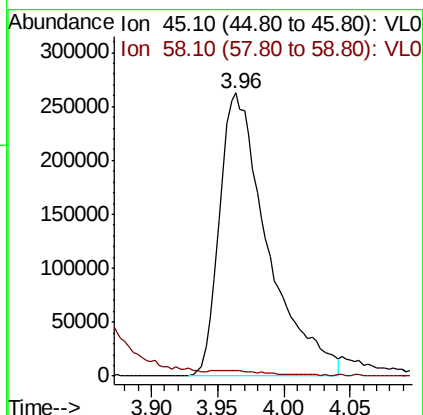
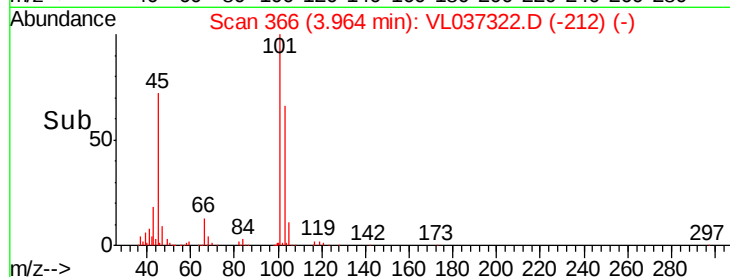
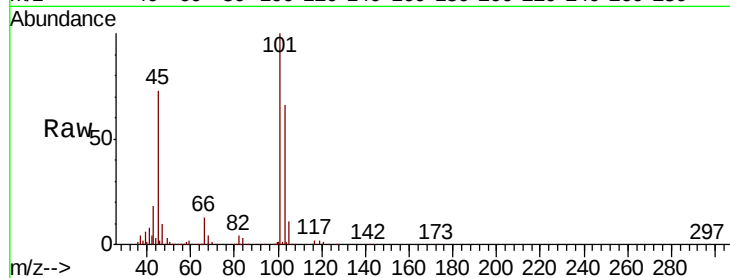
ClientSampleId :

Tot Ion: 45 Resp: 658794

Ion Ratio Lower Upper

45 100

58 2.2 1.8 2.8



#20

Methylene Chloride

Concen: 5.430 ppbv

RT: 4.34 min Scan# 483

Delta R.T. 0.00 min

Lab File: VL037322.D

Acq: 5 Aug 2021 00:31

Tgt Ion: 84 Resp: 574105

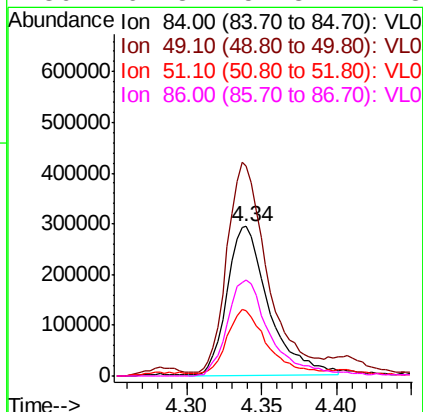
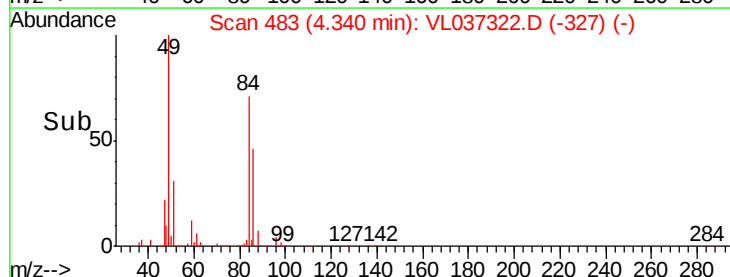
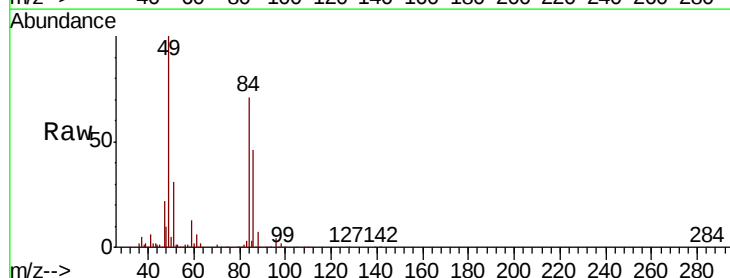
Ion Ratio Lower Upper

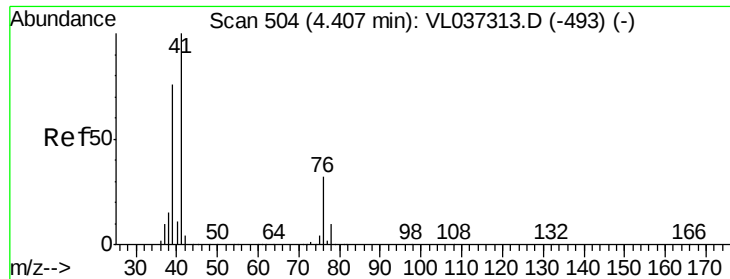
84 100

49 139.1 110.4 165.6

51 42.5 35.8 53.6

86 64.8 51.8 77.8

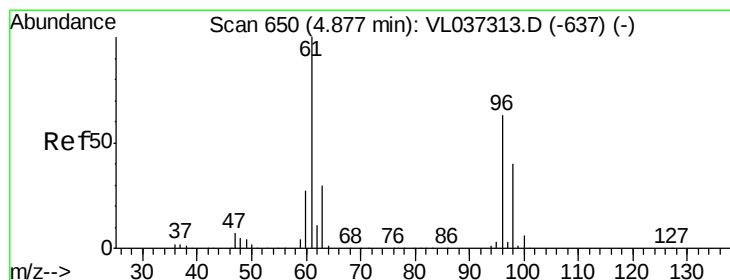
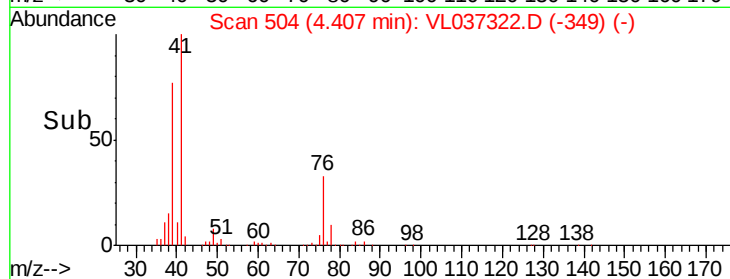
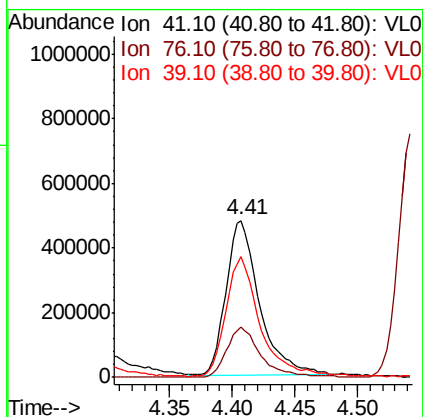
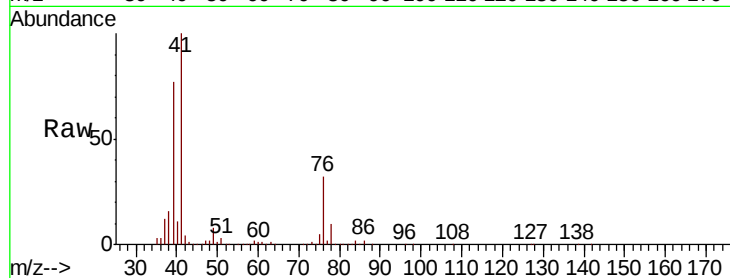




#21
 Allvl Chloride
 Concen: 8.608 ppbv
 RT: 4.41 min Scan# 504
 Delta R.T. -0.00 min
 Lab File: VL037322.D
 Acq: 5 Aug 2021 00:31

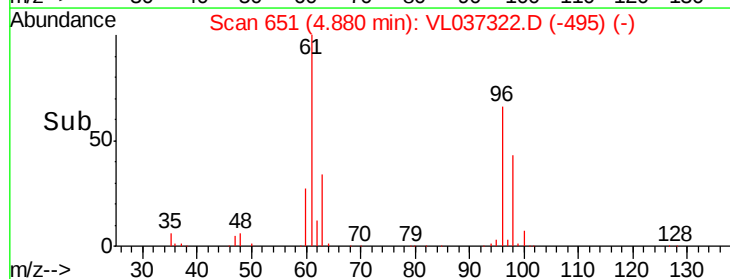
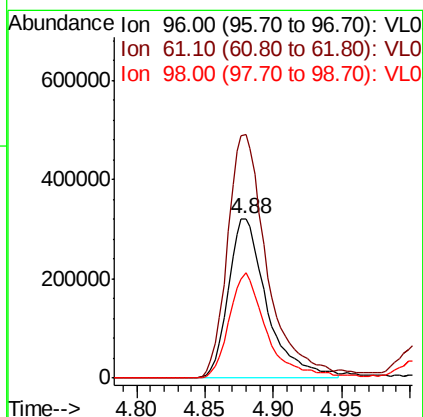
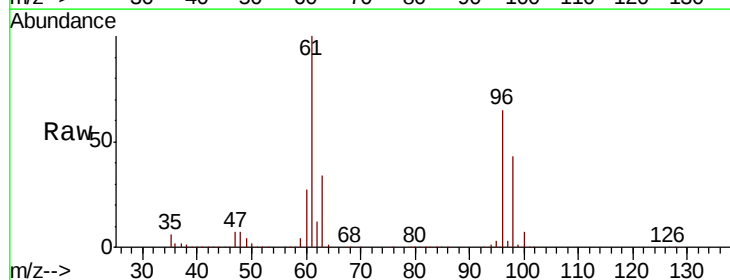
Instrument :
 MSVOA_L
 ClientSampled :

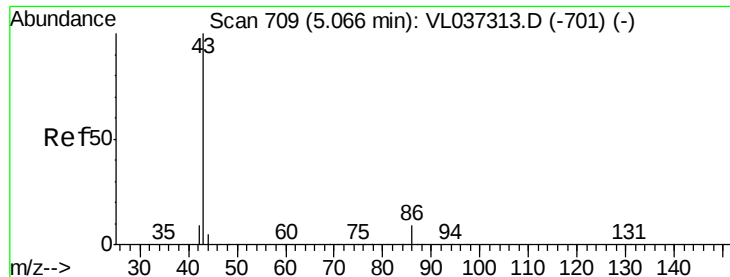
Tot Ion: 41 Resp: 889804
 Ion Ratio Lower Upper
 41 100
 76 33.0 25.7 38.5
 39 78.5 59.0 88.4



#22
 trans-1,2-Dichloroethene
 Concen: 9.534 ppbv
 RT: 4.88 min Scan# 651
 Delta R.T. 0.00 min
 Lab File: VL037322.D
 Acq: 5 Aug 2021 00:31

Tgt Ion: 96 Resp: 633445
 Ion Ratio Lower Upper
 96 100
 61 152.9 126.7 190.1
 98 66.0 50.9 76.3





#23

Vinyl Acetate

Concen: 8.976 ppbv

RT: 5.07 min Scan# 709

Delta R.T. -0.00 min

Lab File: VL037322.D

Acq: 5 Aug 2021 00:31

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 43 Resp: 1730883

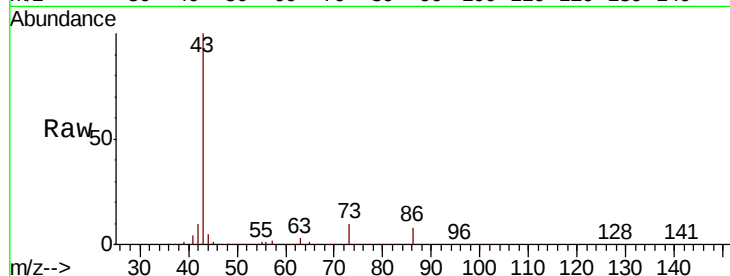
Ion Ratio Lower Upper

43 100

86 7.8 6.2 9.2

42 9.4 7.7 11.5

44 4.9 3.7 5.5

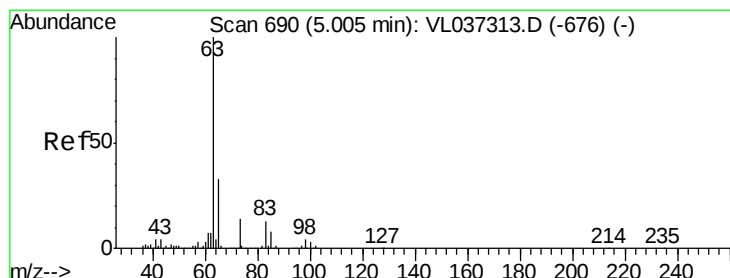
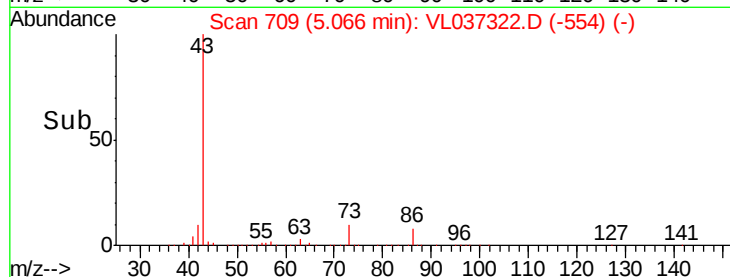
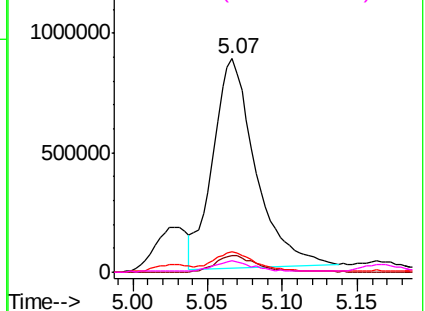


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 8.814 ppbv

RT: 5.01 min Scan# 690

Delta R.T. -0.00 min

Lab File: VL037322.D

Acq: 5 Aug 2021 00:31

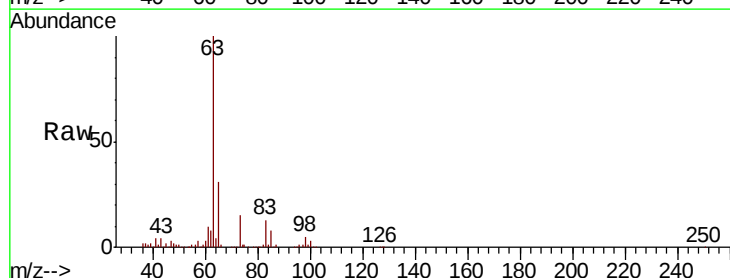
Tgt Ion: 63 Resp: 1453386

Ion Ratio Lower Upper

63 100

98 4.9 2.4 7.2

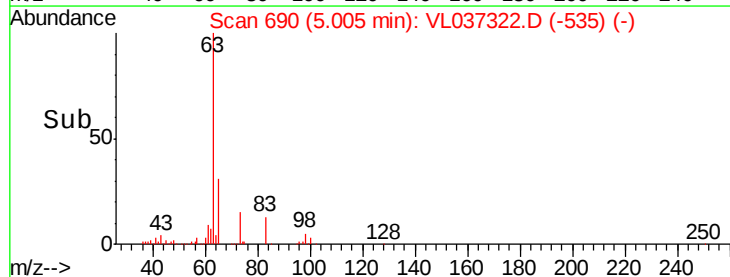
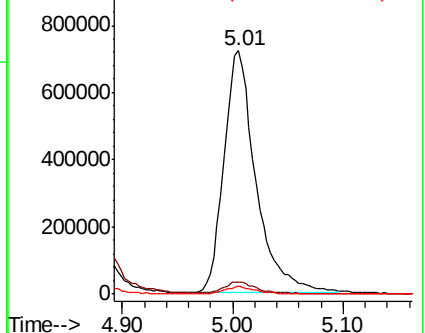
100 3.0 1.5 4.4

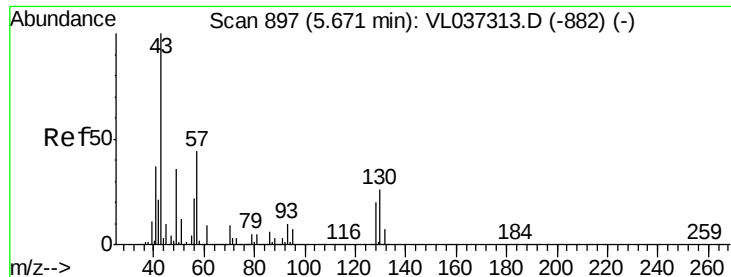


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



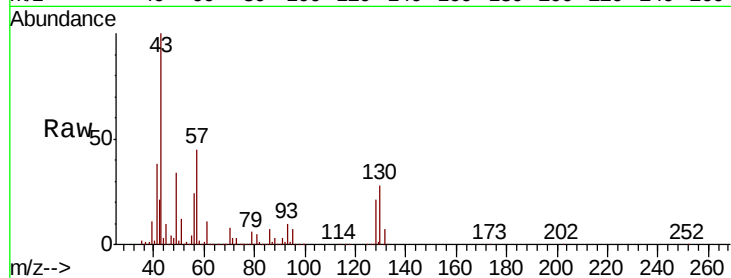


#25
Ethyl Acetate
Concen: 8.168 ppbv
RT: 5.67 min Scan# 897
Delta R.T. -0.00 min
Lab File: VL037322.D
Acq: 5 Aug 2021 00:31

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 2712618

Ion	Ratio	Lower	Upper
43	100		
45	9.9	7.8	11.8
61	10.1	8.6	12.8
70	7.1	5.9	8.9



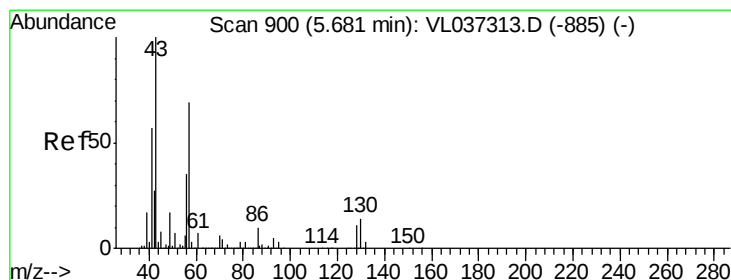
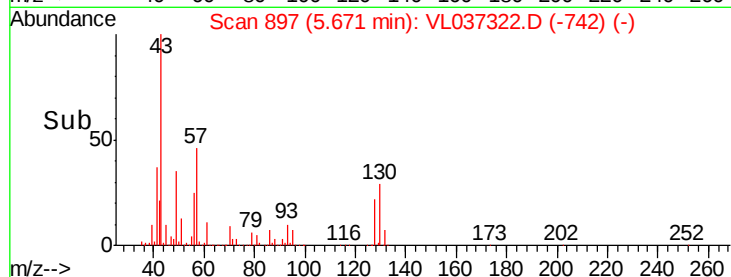
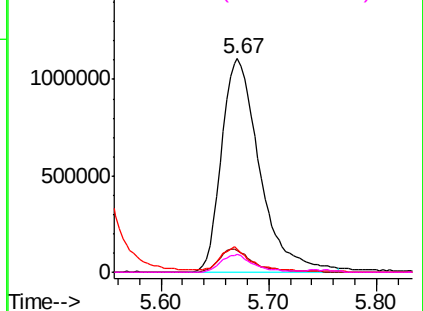
Abundance

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

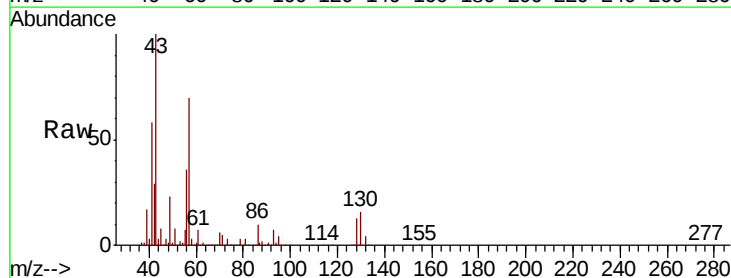
Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 7.240 ppbv
RT: 5.68 min Scan# 900
Delta R.T. -0.00 min
Lab File: VL037322.D
Acq: 5 Aug 2021 00:31

Tgt Ion: 57 Resp: 1345247

Ion	Ratio	Lower	Upper
57	100		
41	86.2	67.5	101.3
43	205.4	163.0	244.4
56	52.4	41.5	62.3



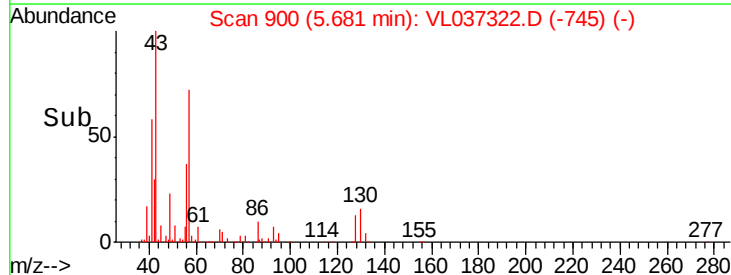
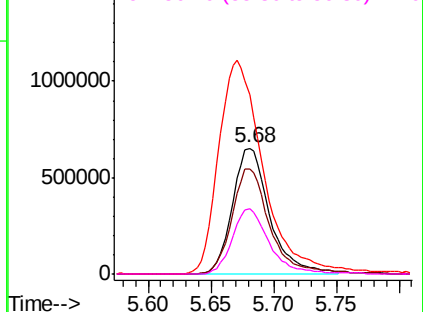
Abundance

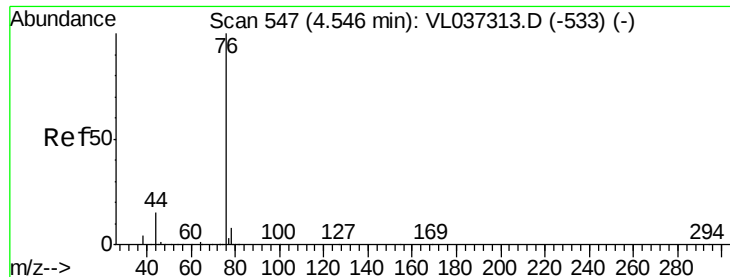
Ion 57.10 (56.80 to 57.80): VL0

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: 9.646 ppbv

RT: 4.55 min Scan# 547

Delta R.T. -0.00 min

Lab File: VL037322.D

Acq: 5 Aug 2021 00:31

Instrument :

MSVOA_L

ClientSampleId :

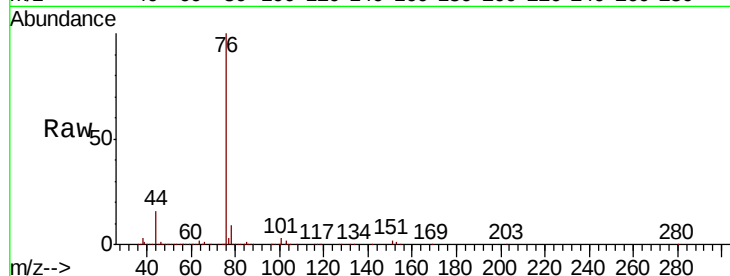
Tot Ion: 76 Resp: 1458638

Ion Ratio Lower Upper

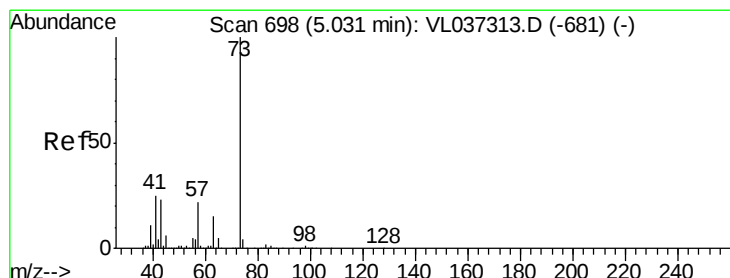
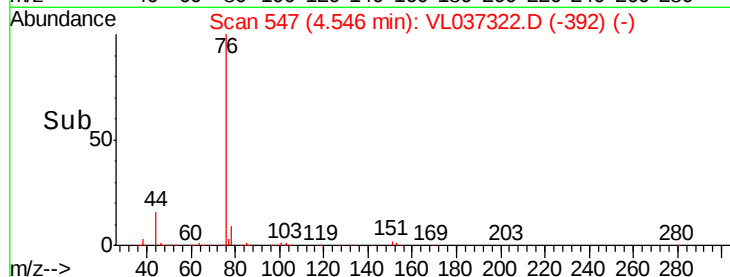
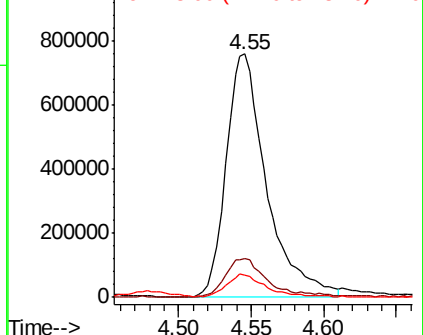
76 100

44 16.9 13.1 19.7

78 10.1 8.0 12.0



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



#28

Methyl tert-Butyl Ether

Concen: 8.644 ppbv

RT: 5.03 min Scan# 697

Delta R.T. -0.00 min

Lab File: VL037322.D

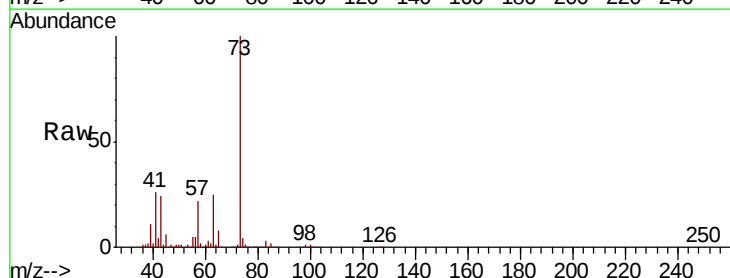
Acq: 5 Aug 2021 00:31

Tgt Ion: 73 Resp: 1705755

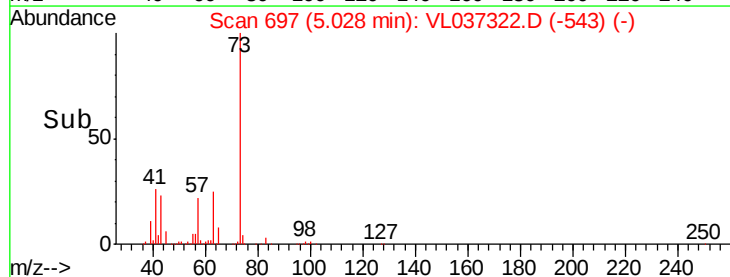
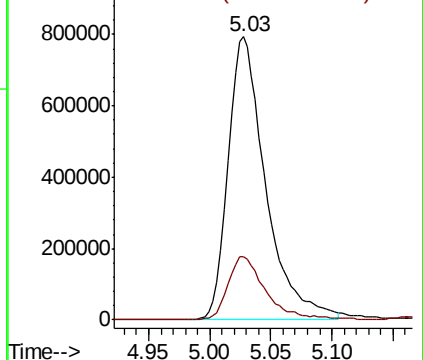
Ion Ratio Lower Upper

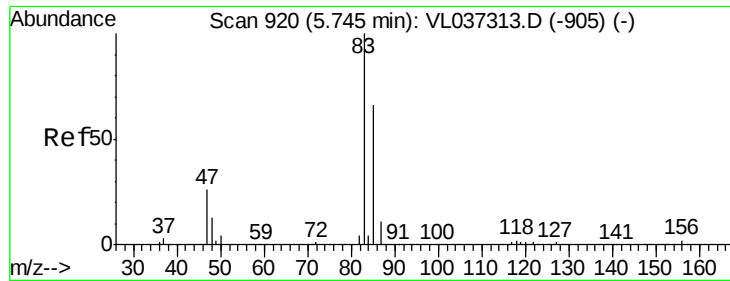
73 100

57 22.6 18.2 27.4



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

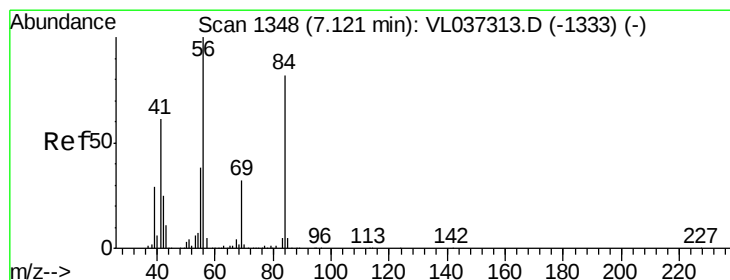
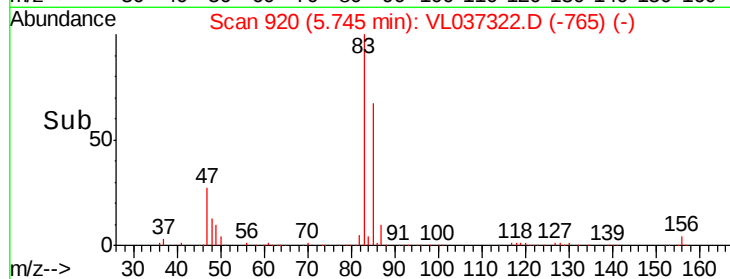
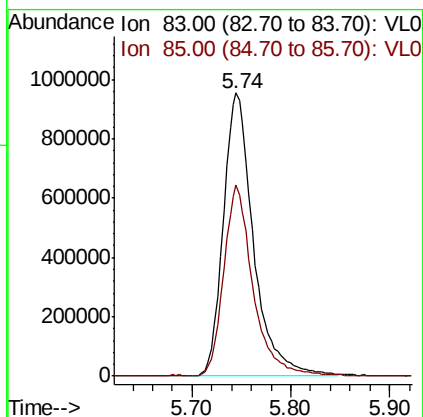
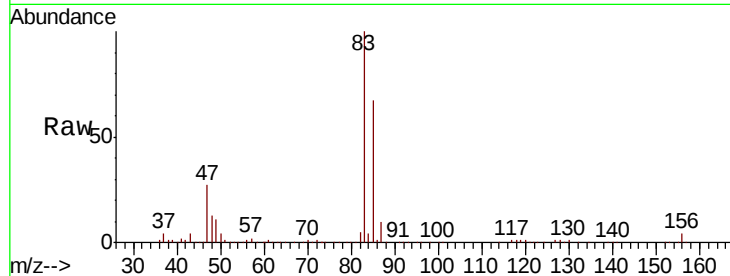




#29
Chloroform
Concen: 8.705 ppbv
RT: 5.74 min Scan# 920
Delta R.T. -0.00 min
Lab File: VL037322.D
Acq: 5 Aug 2021 00:31

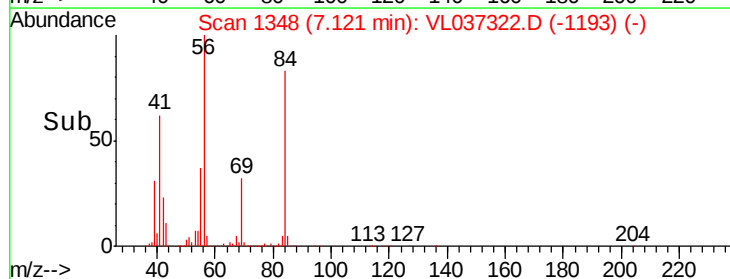
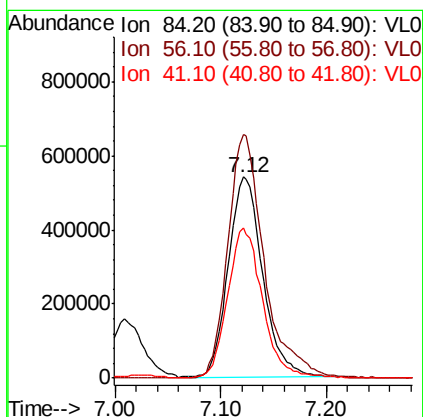
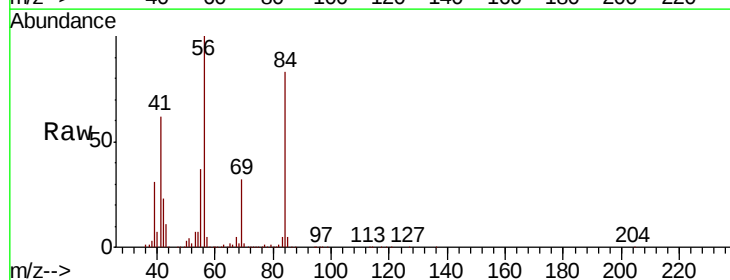
Instrument :
MSVOA_L
ClientSampled :

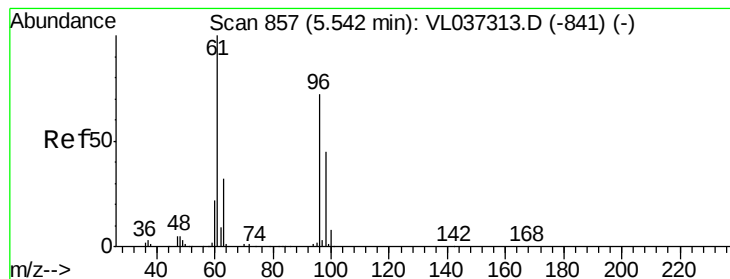
Tot Ion: 83 Resp: 2048616
Ion Ratio Lower Upper
83 100
85 67.2 52.6 79.0



#30
Cyclohexane
Concen: 8.573 ppbv
RT: 7.12 min Scan# 1348
Delta R.T. -0.00 min
Lab File: VL037322.D
Acq: 5 Aug 2021 00:31

Tgt Ion: 84 Resp: 1228578
Ion Ratio Lower Upper
84 100
56 128.8 105.2 157.8
41 75.6 61.3 91.9



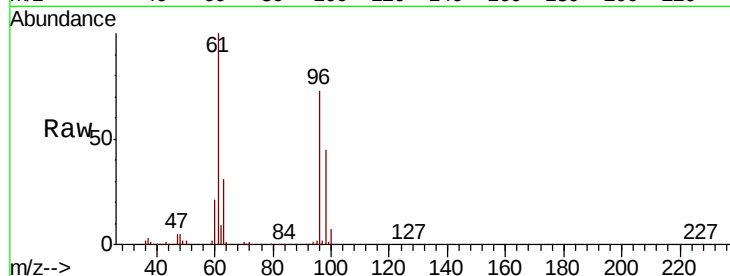


#31

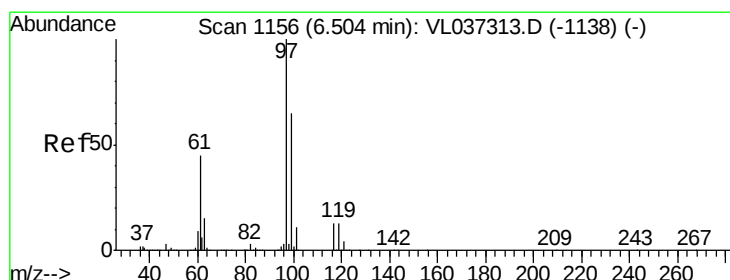
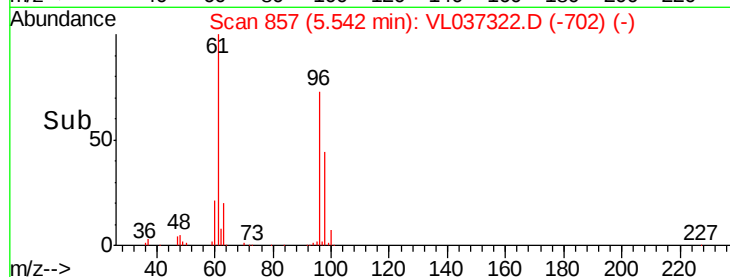
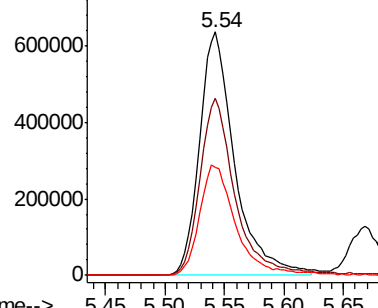
cis-1,2-Dichloroethene
Concen: 9.014 ppbv
RT: 5.54 min Scan# 857
Delta R.T. -0.00 min
Lab File: VL037322.D
Acq: 5 Aug 2021 00:31

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 61 Resp: 1300950
Ion Ratio Lower Upper
61 100
96 72.7 57.4 86.0
98 44.5 36.3 54.5



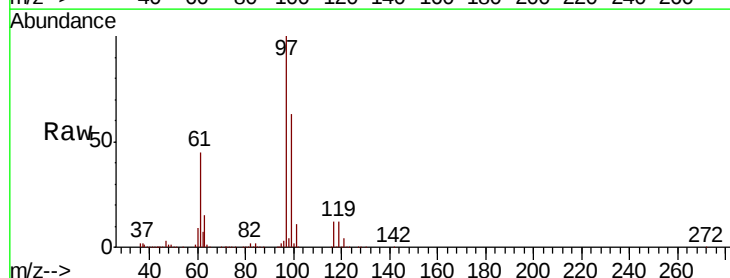
Abundance Ion 61.10 (60.80 to 61.80): VL0
Ion 96.00 (95.70 to 96.70): VL0
Ion 98.00 (97.70 to 98.70): VL0



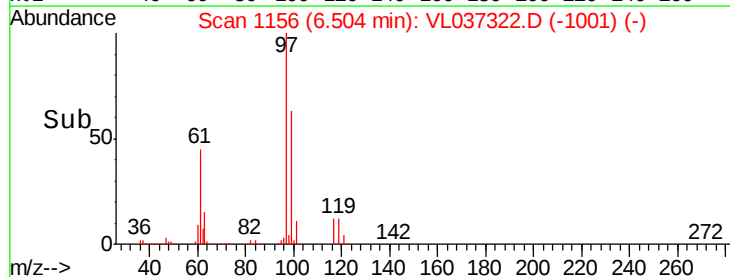
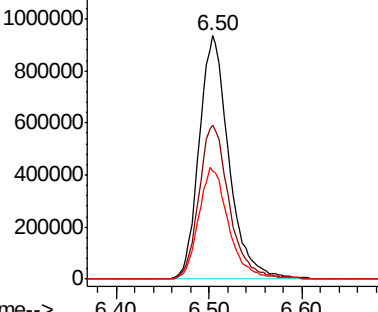
#32

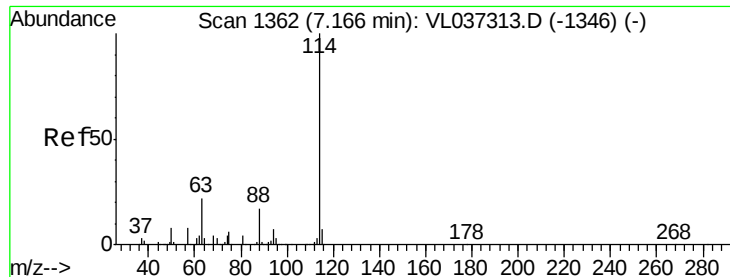
1,1,1-Trichloroethane
Concen: 9.311 ppbv
RT: 6.50 min Scan# 1156
Delta R.T. -0.00 min
Lab File: VL037322.D
Acq: 5 Aug 2021 00:31

Tgt Ion: 97 Resp: 2089290
Ion Ratio Lower Upper
97 100
99 64.7 52.3 78.5
61 46.5 37.2 55.8



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

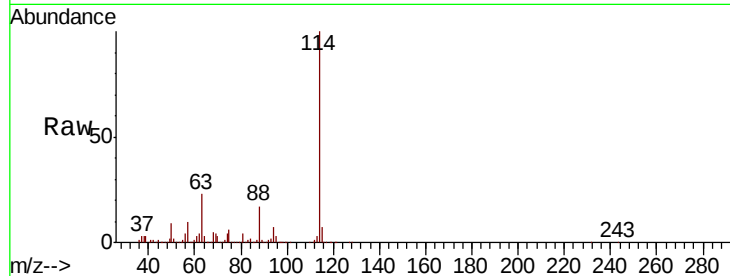




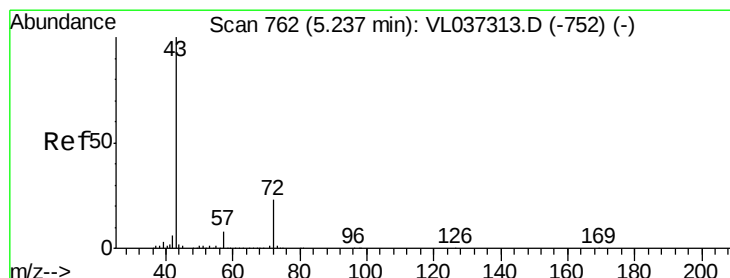
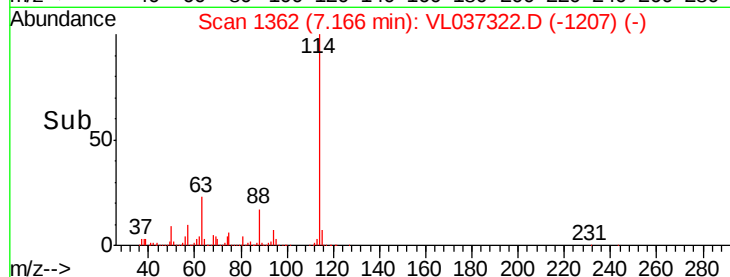
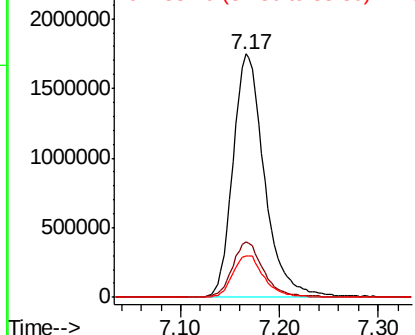
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VL037322.D
 Acq: 5 Aug 2021 00:31

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:114 Resp: 3862716
 Ion Ratio Lower Upper
 114 100
 63 22.8 18.1 27.1
 88 17.3 13.8 20.8

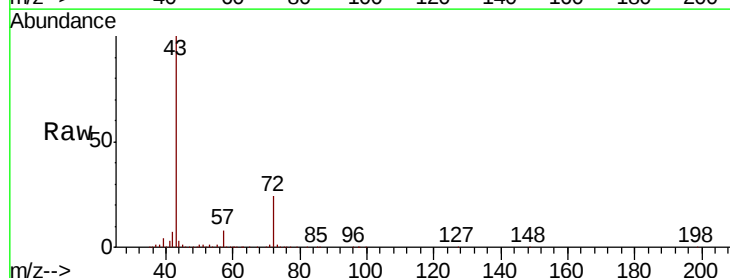


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

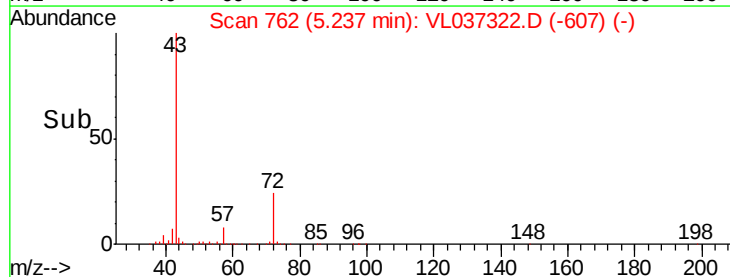
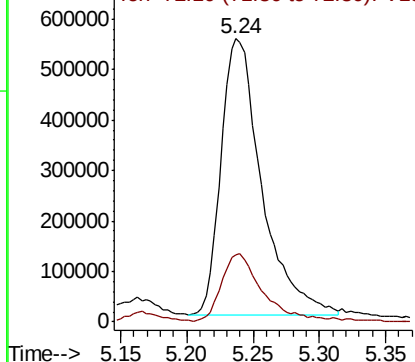


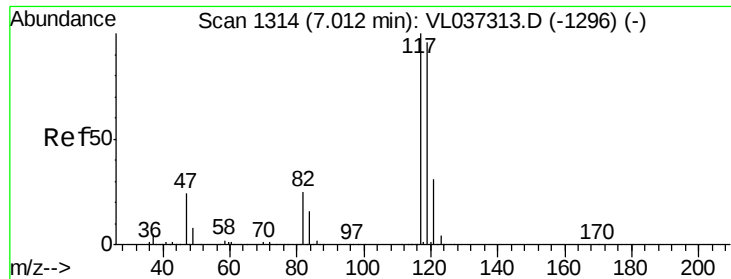
#34
 2-Butanone
 Concen: 8.761 ppbv
 RT: 5.24 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VL037322.D
 Acq: 5 Aug 2021 00:31

Tgt Ion: 43 Resp: 1174300
 Ion Ratio Lower Upper
 43 100
 72 25.1 20.3 30.5



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

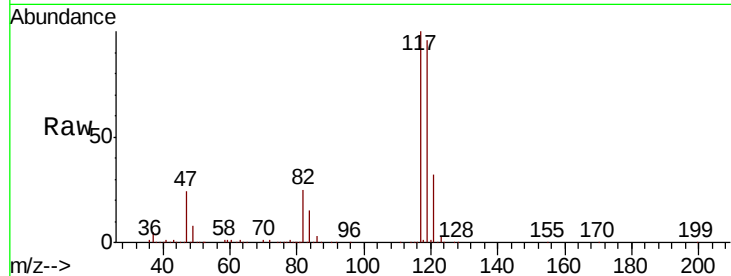




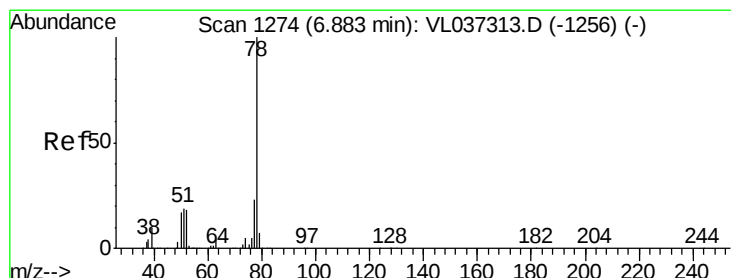
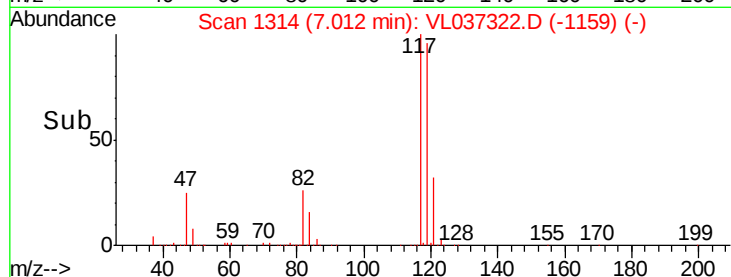
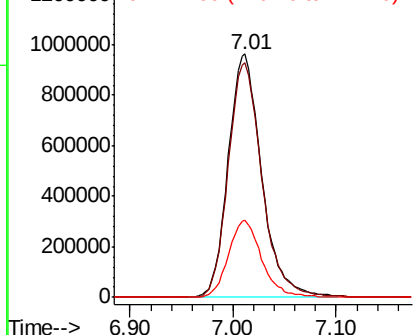
#35
Carbon Tetrachloride
Concen: 9.452 ppbv
RT: 7.01 min Scan# 1314
Delta R.T. -0.00 min
Lab File: VL037322.D
Acq: 5 Aug 2021 00:31

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:117 Resp: 2178742
Ion Ratio Lower Upper
117 100
119 96.3 76.6 114.8
121 31.6 24.9 37.3

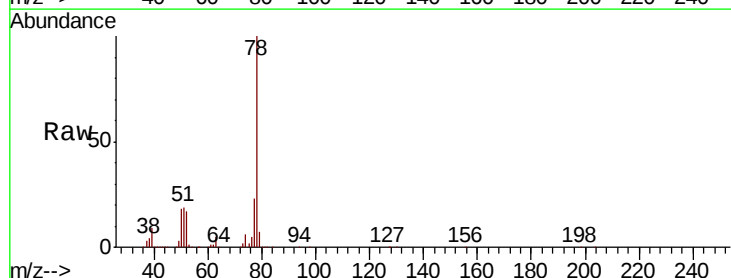


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

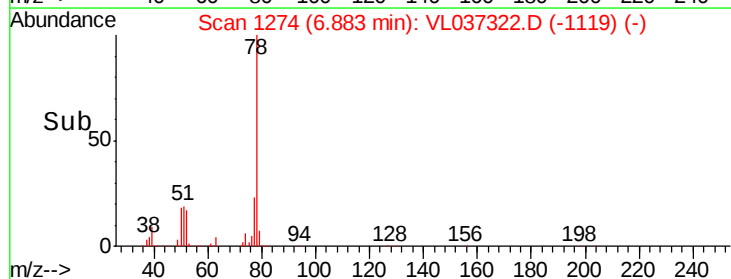
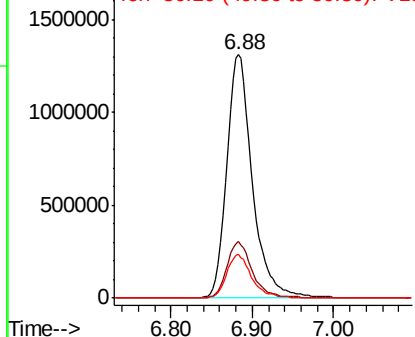


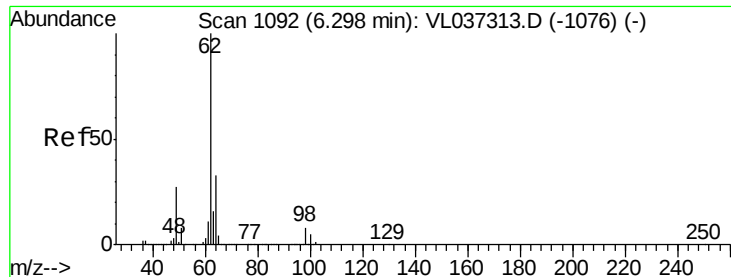
#36
Benzene
Concen: 8.361 ppbv
RT: 6.88 min Scan# 1274
Delta R.T. -0.00 min
Lab File: VL037322.D
Acq: 5 Aug 2021 00:31

Tgt Ion: 78 Resp: 2906574
Ion Ratio Lower Upper
78 100
77 23.2 18.7 28.1
50 18.3 13.7 20.5



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

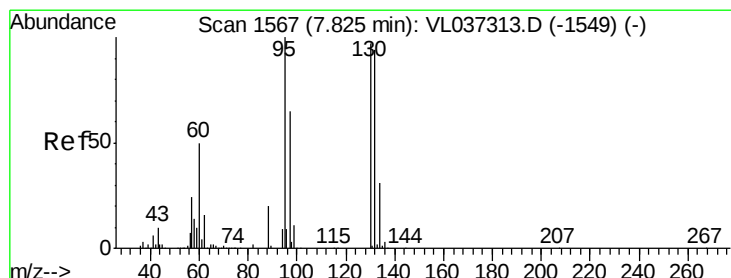
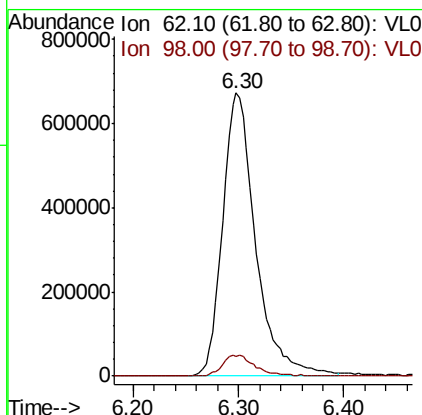
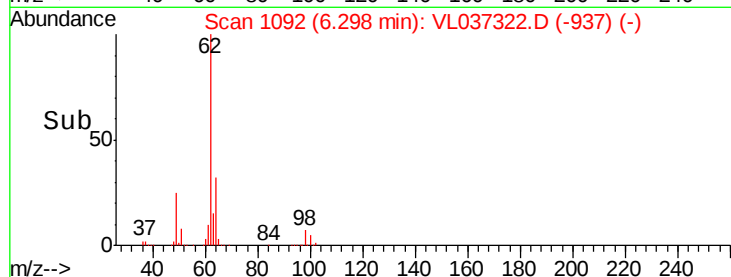
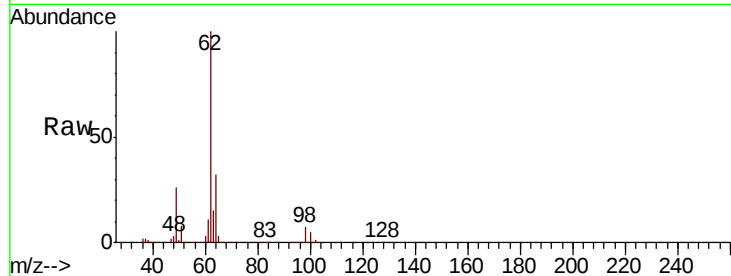




#37
 1,2-Dichloroethane
 Concen: 9.094 ppbv
 RT: 6.30 min Scan# 1092
 Delta R.T. -0.00 min
 Lab File: VL037322.D
 Acq: 5 Aug 2021 00:31

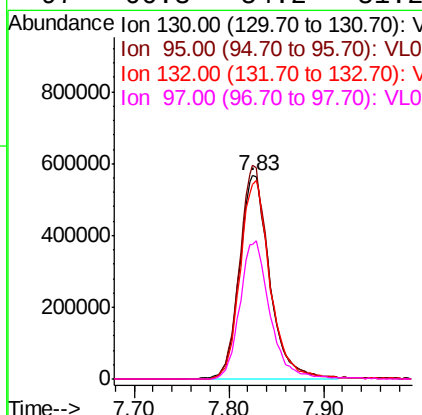
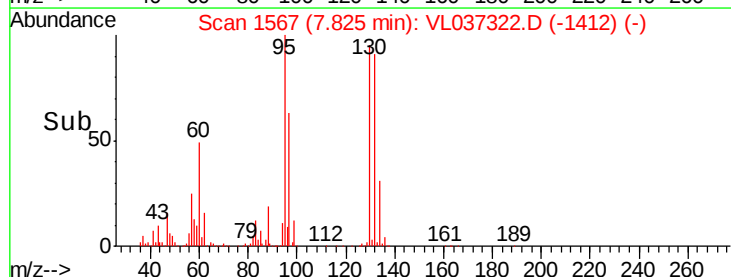
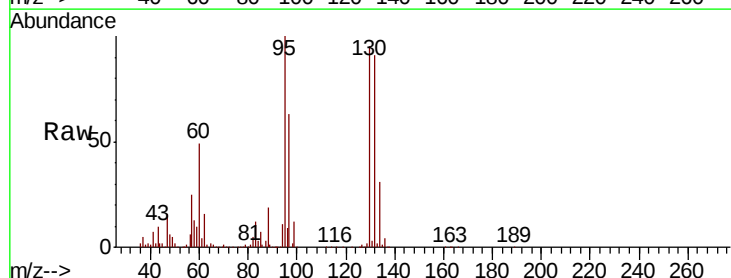
Instrument :
 MSVOA_L
 ClientSampleId :

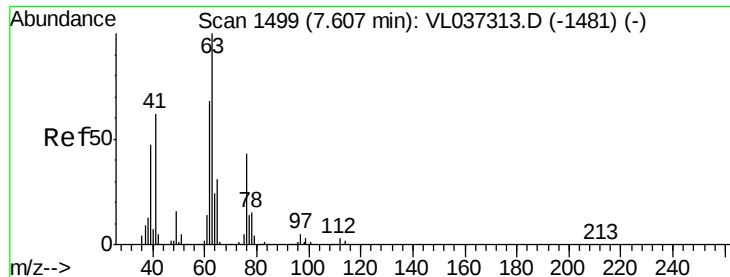
Tot Ion: 62 Resp: 1454111
 Ion Ratio Lower Upper
 62 100
 98 7.4 6.3 9.5



#38
 Trichloroethene
 Concen: 8.243 ppbv
 RT: 7.83 min Scan# 1567
 Delta R.T. -0.00 min
 Lab File: VL037322.D
 Acq: 5 Aug 2021 00:31

Tgt Ion: 130 Resp: 1254071
 Ion Ratio Lower Upper
 130 100
 95 105.0 82.8 124.2
 132 95.5 78.2 117.4
 97 66.3 54.2 81.2



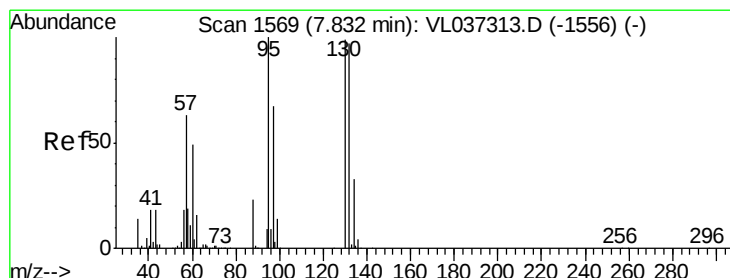
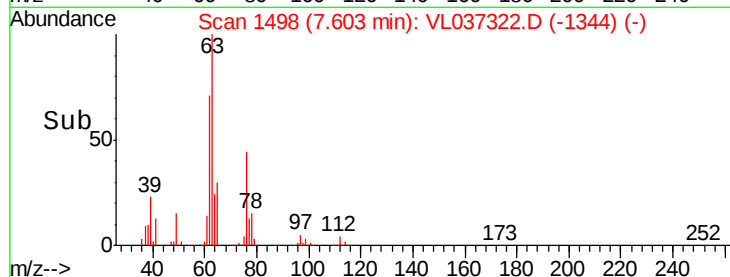
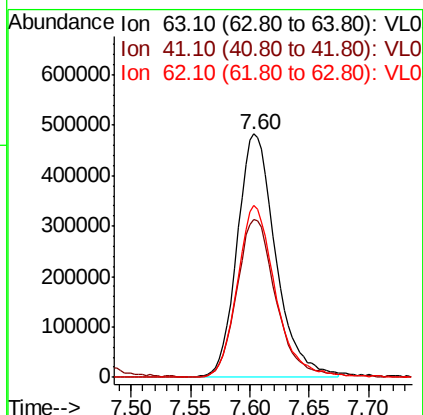
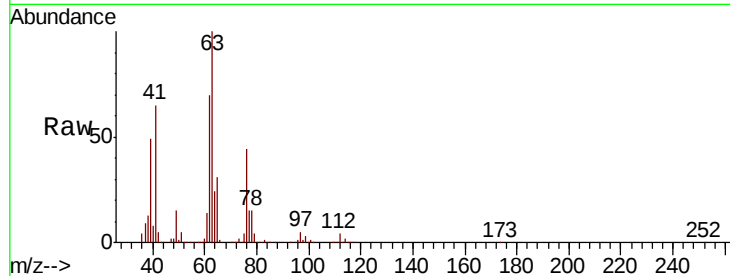


#39
 1,2-Dichloropropane
 Concen: 8.365 ppbv
 RT: 7.60 min Scan# 1498
 Delta R.T. -0.00 min
 Lab File: VL037322.D
 Acq: 5 Aug 2021 00:31

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 63 Resp: 1082878

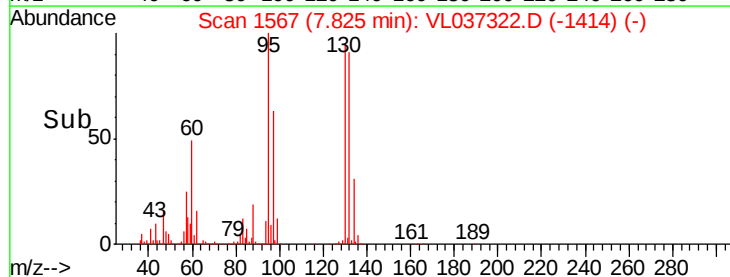
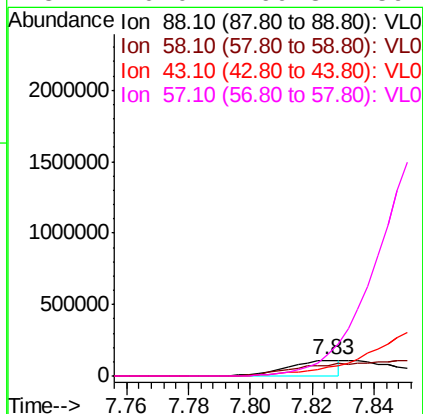
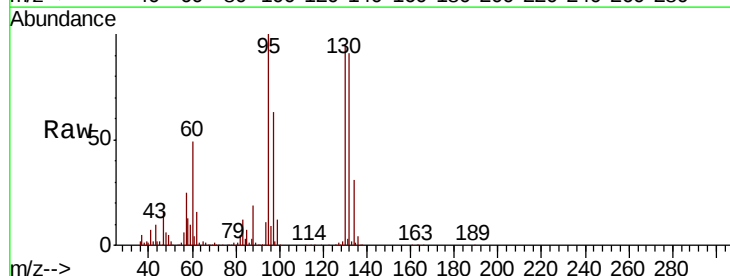
Ion	Ratio	Lower	Upper
63	100		
41	64.8	49.2	73.8
62	70.5	54.2	81.4

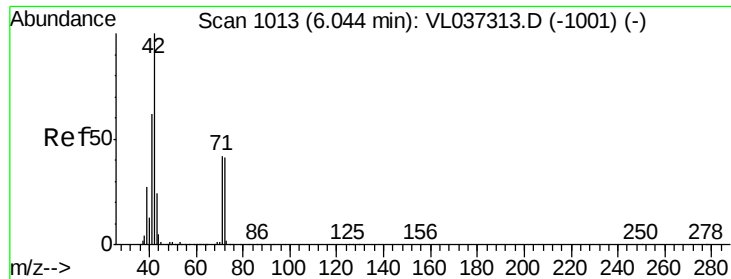


#40
 1,4-Dioxane
 Concen: 3.456 ppbv
 RT: 7.83 min Scan# 1567
 Delta R.T. -0.01 min
 Lab File: VL037322.D
 Acq: 5 Aug 2021 00:31

Tgt Ion: 88 Resp: 128697

Ion	Ratio	Lower	Upper
88	100		
58	0.0	117.5	176.3#
43	0.0	271.0	406.4#
57	0.0	1260.8	1891.2#

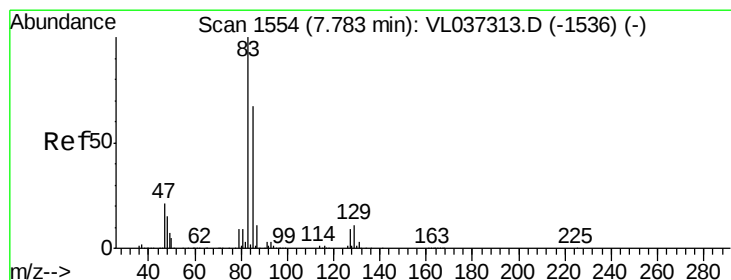
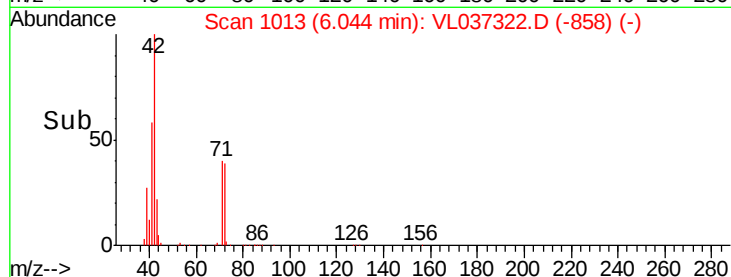
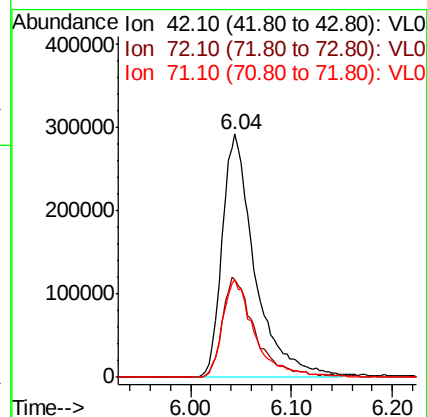
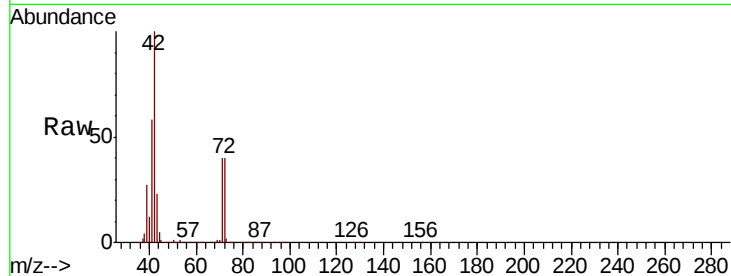




#41
Tetrahydrofuran
Concen: 8.839 ppbv
RT: 6.04 min Scan# 1013
Delta R.T. -0.00 min
Lab File: VL037322.D
Acq: 5 Aug 2021 00:31

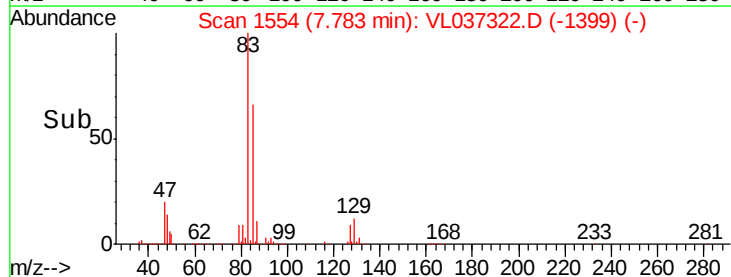
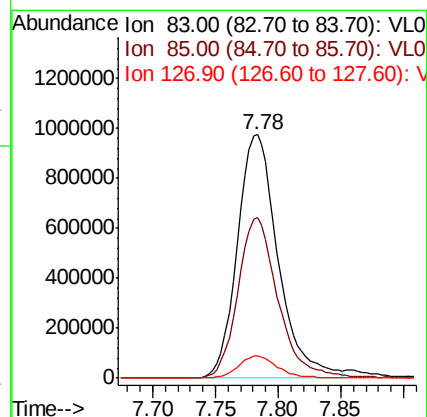
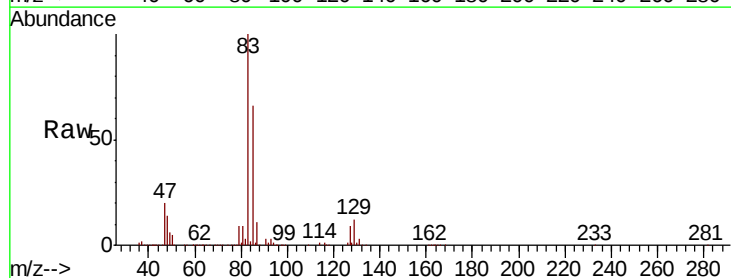
Instrument :
MSVOA_L
ClientSampleId :

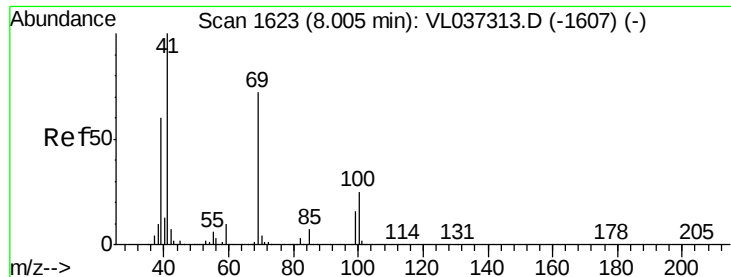
Tot Ion: 42 Resp: 658915
Ion Ratio Lower Upper
42 100
72 42.0 33.6 50.4
71 40.5 33.0 49.4



#42
Bromodichloromethane
Concen: 9.117 ppbv
RT: 7.78 min Scan# 1554
Delta R.T. -0.00 min
Lab File: VL037322.D
Acq: 5 Aug 2021 00:31

Tgt Ion: 83 Resp: 2194543
Ion Ratio Lower Upper
83 100
85 65.7 53.5 80.3
127 9.3 7.1 10.7

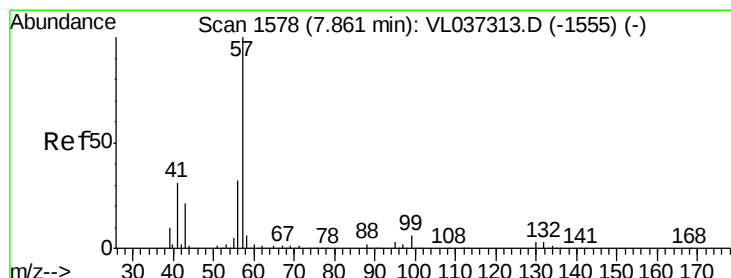
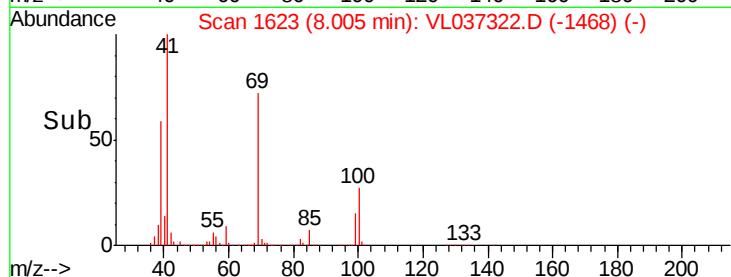
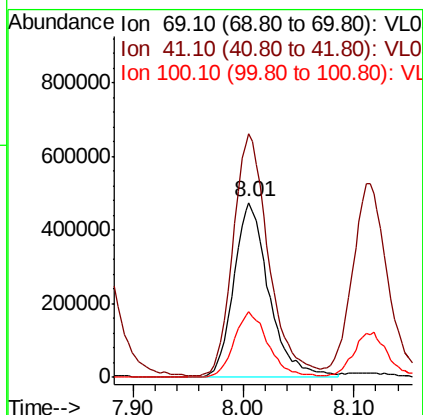
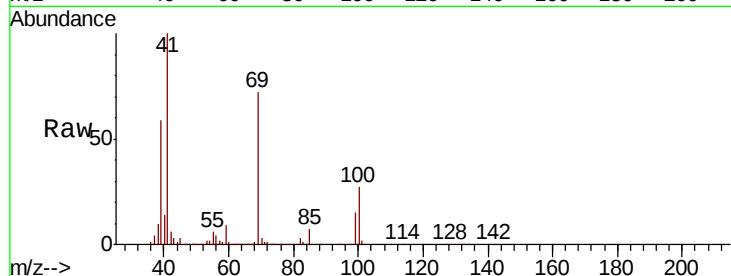




#43
Methvl Methacrvlate
Concen: 8.902 ppbv
RT: 8.01 min Scan# 1623
Delta R.T. -0.00 min
Lab File: VL037322.D
Acq: 5 Aug 2021 00:31

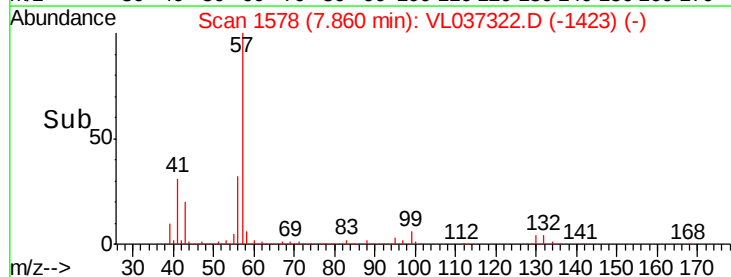
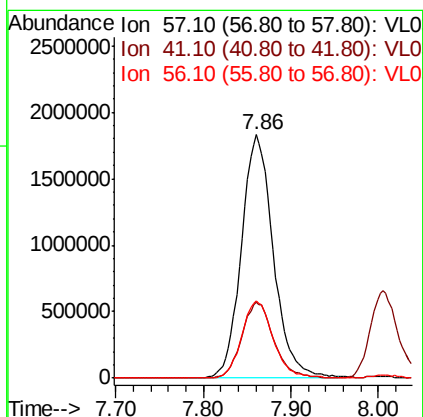
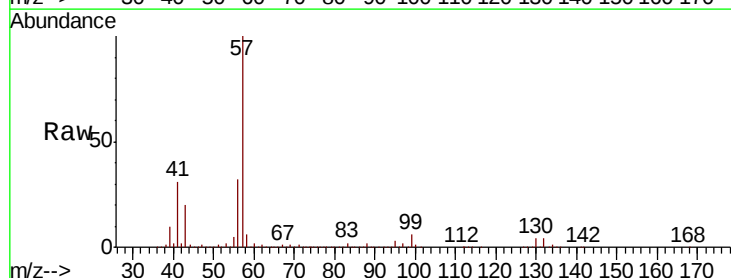
Instrument :
MSVOA_L
ClientSampleId :

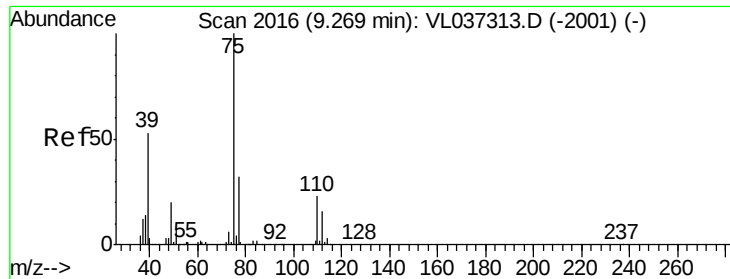
Tot Ion: 69 Resp: 1050096
Ion Ratio Lower Upper
69 100
41 140.5 114.6 172.0
100 36.6 29.4 44.2



#44
2,2,4-Trimethylpentane
Concen: 8.097 ppbv
RT: 7.86 min Scan# 1578
Delta R.T. -0.00 min
Lab File: VL037322.D
Acq: 5 Aug 2021 00:31

Tgt Ion: 57 Resp: 4652990
Ion Ratio Lower Upper
57 100
41 31.0 24.3 36.5
56 31.2 25.0 37.6





#45

t-1,3-Dichloropropene

Concen: 10.391 ppbv

RT: 9.27 min Scan# 2016

Delta R.T. -0.00 min

Lab File: VL037322.D

Acq: 5 Aug 2021 00:31

Instrument :

MSVOA_L

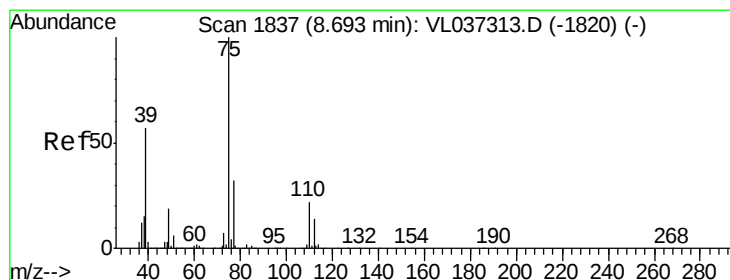
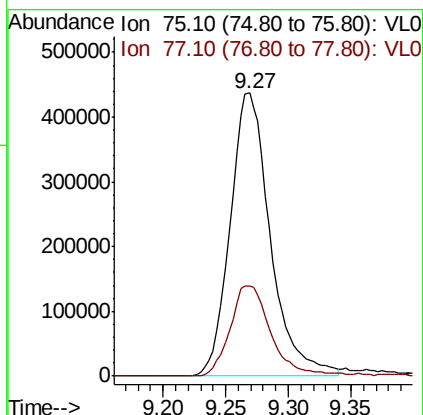
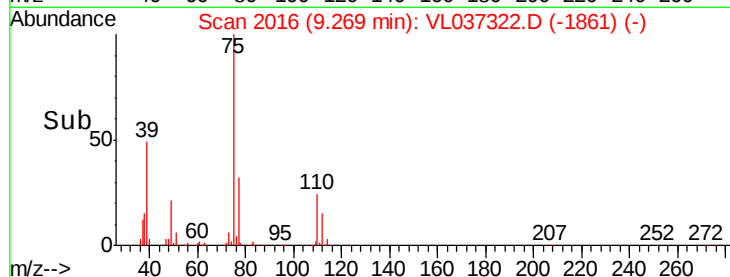
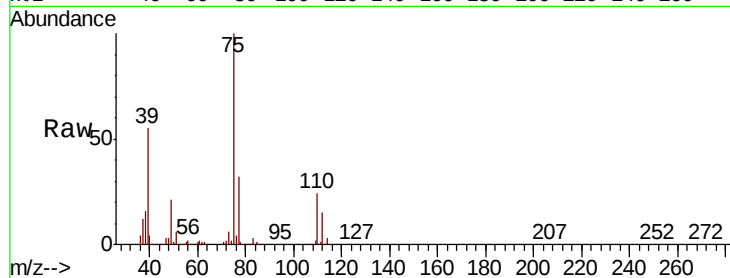
ClientSampleId :

Tot Ion: 75 Resp: 968050

Ion Ratio Lower Upper

75 100

77 31.7 25.7 38.5



#46

cis-1,3-Dichloropropene

Concen: 9.608 ppbv

RT: 8.69 min Scan# 1837

Delta R.T. -0.00 min

Lab File: VL037322.D

Acq: 5 Aug 2021 00:31

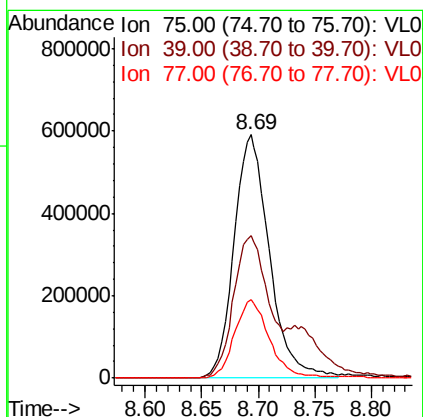
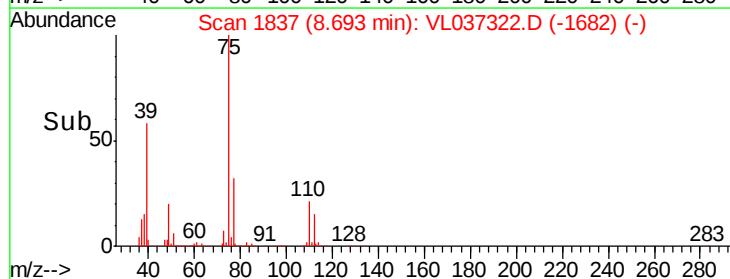
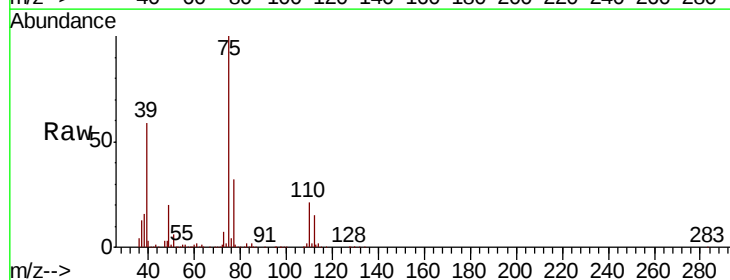
Tgt Ion: 75 Resp: 1288661

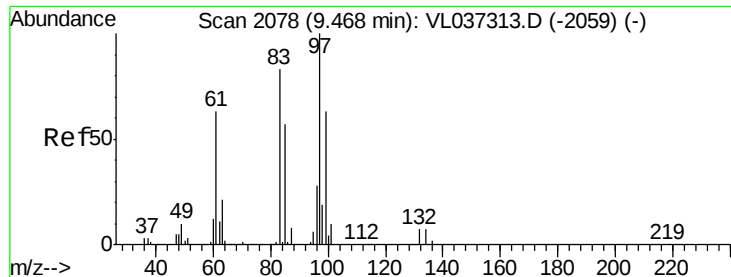
Ion Ratio Lower Upper

75 100

39 58.6 45.6 68.4

77 32.1 25.4 38.0



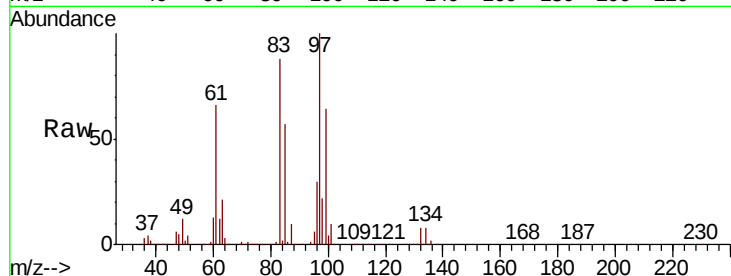


#47
 1,1,2-Trichloroethane
 Concen: 8.511 ppbv
 RT: 9.46 min Scan# 2077
 Delta R.T. -0.00 min
 Lab File: VL037322.D
 Acq: 5 Aug 2021 00:31

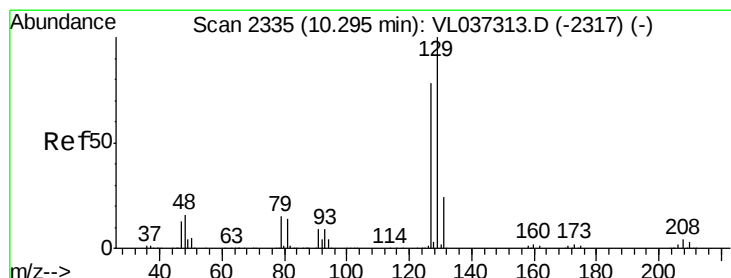
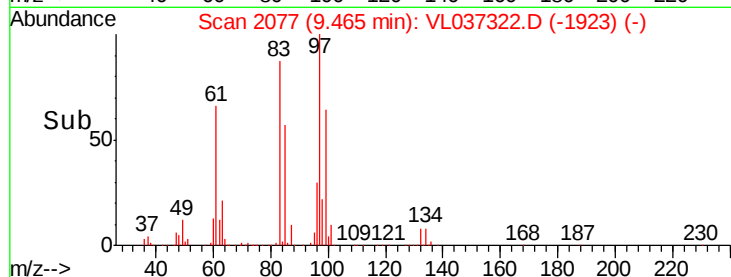
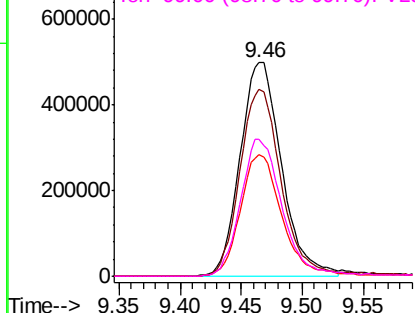
Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 97 Resp: 1171297

Ion	Ratio	Lower	Upper
97	100		
83	87.5	66.0	99.0
85	56.7	45.7	68.5
99	64.0	50.2	75.4



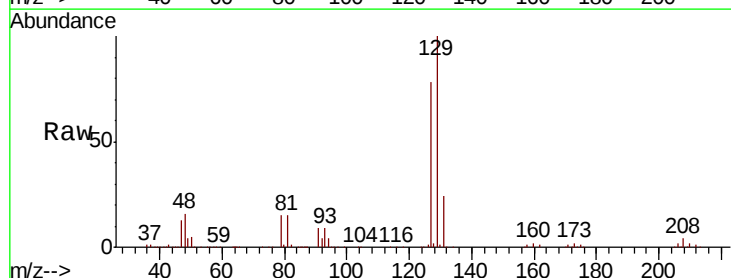
Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0



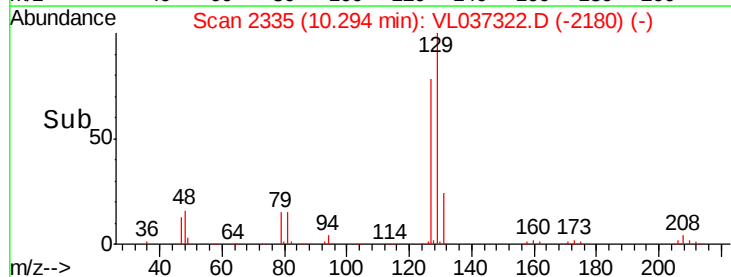
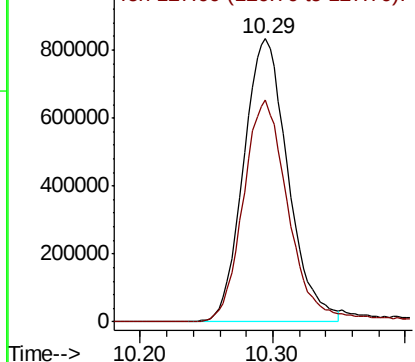
#48
 Dibromochloromethane
 Concen: 9.528 ppbv
 RT: 10.29 min Scan# 2335
 Delta R.T. -0.00 min
 Lab File: VL037322.D
 Acq: 5 Aug 2021 00:31

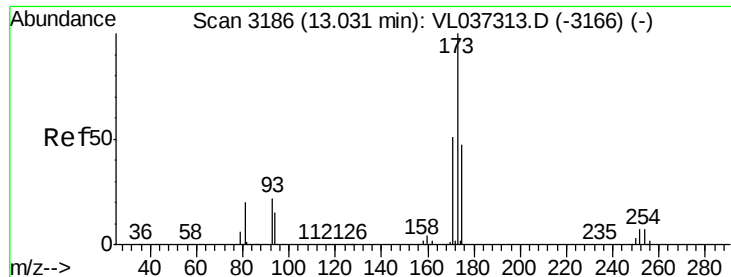
Tgt Ion: 129 Resp: 1943385

Ion	Ratio	Lower	Upper
129	100		
127	82.4	40.9	122.7



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





#49

Bromoform

Concen: 9.862 ppbv

RT: 13.03 min Scan# 3185

Delta R.T. -0.00 min

Lab File: VL037322.D

Acq: 5 Aug 2021 00:31

Instrument :

MSVOA_L

ClientSampleId :

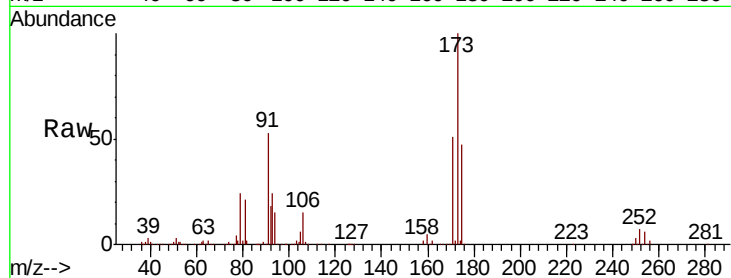
Tot Ion:173 Resp: 1508172

Ion Ratio Lower Upper

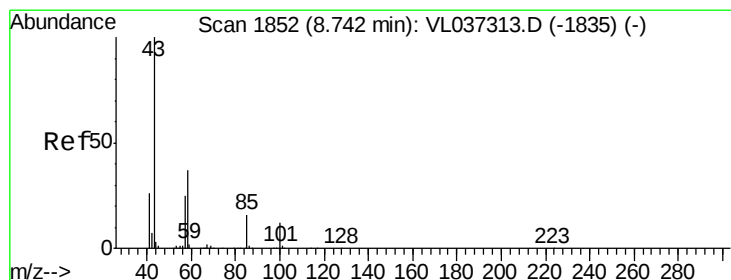
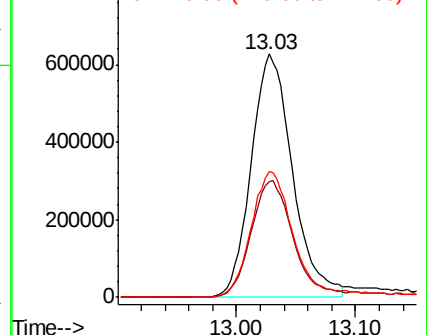
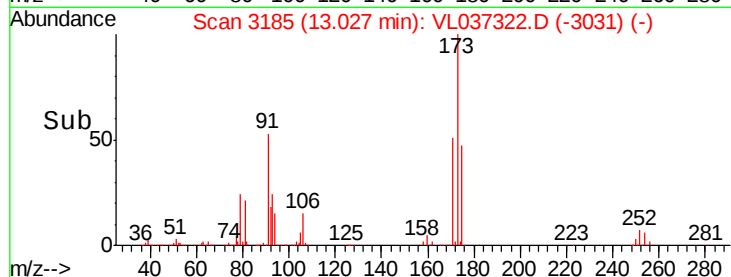
173 100

175 53.0 42.3 63.5

171 56.8 44.9 67.3



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: 8.745 ppbv

RT: 8.74 min Scan# 1850

Delta R.T. -0.01 min

Lab File: VL037322.D

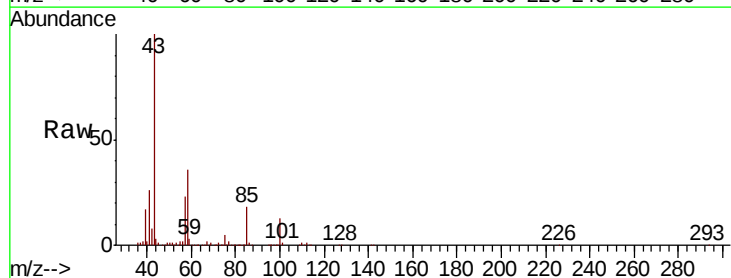
Acq: 5 Aug 2021 00:31

Tgt Ion: 43 Resp: 1794931

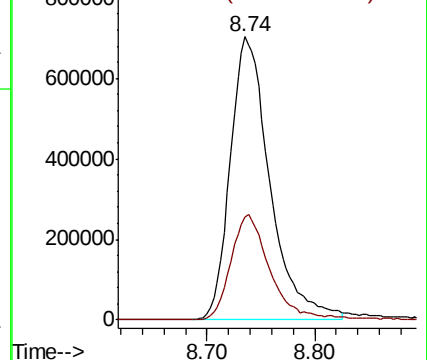
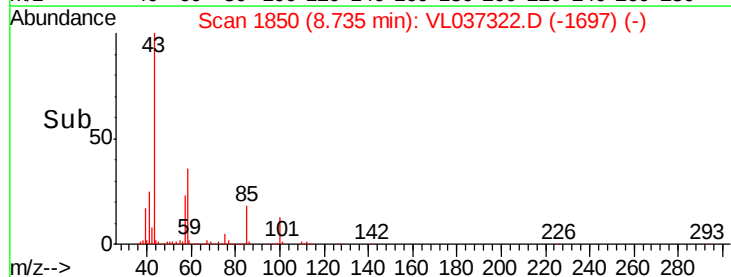
Ion Ratio Lower Upper

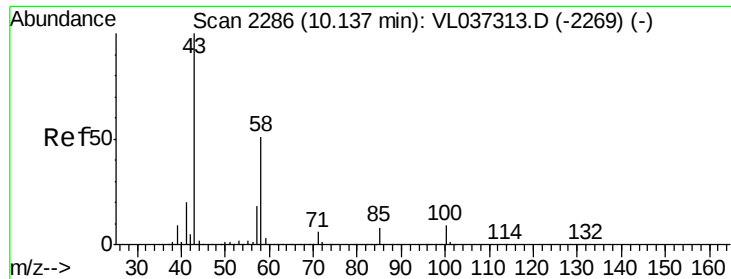
43 100

58 37.2 31.0 46.4



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

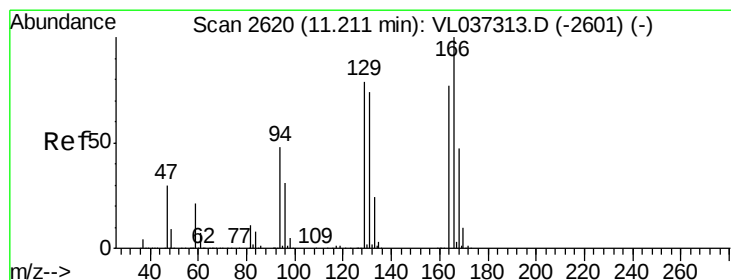
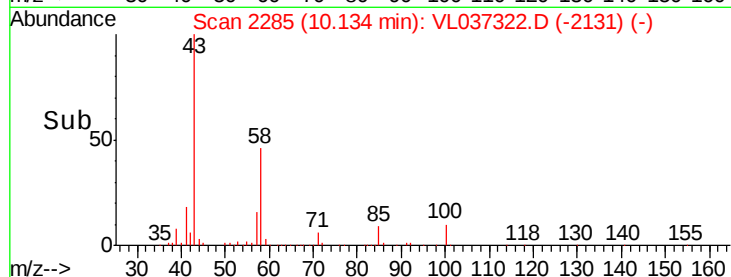
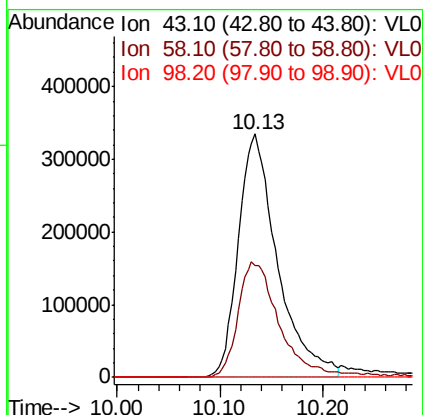
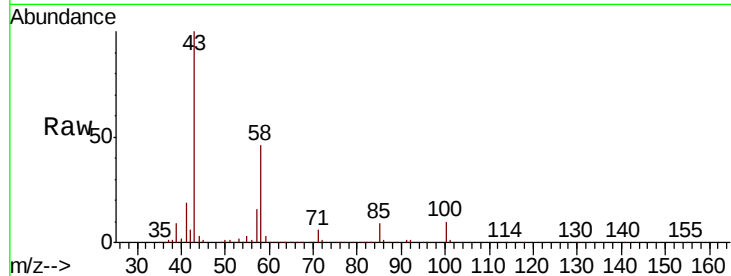




#51
2-Hexanone
Concen: 9.464 ppbv
RT: 10.13 min Scan# 2285
Delta R.T. -0.00 min
Lab File: VL037322.D
Acq: 5 Aug 2021 00:31

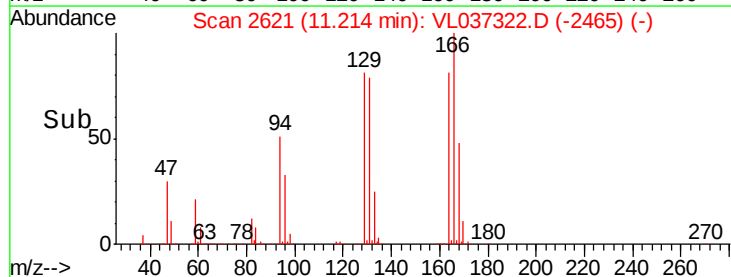
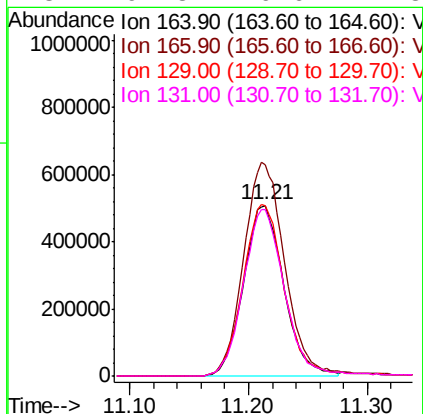
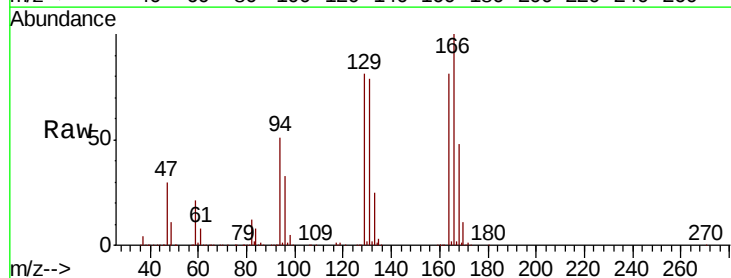
Instrument :
MSVOA_L
ClientSampled :

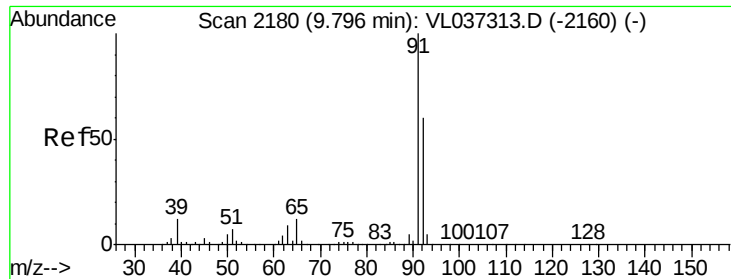
Tot Ion: 43 Resp: 883195
Ion Ratio Lower Upper
43 100
58 52.0 40.9 61.3
98 0.3 0.1 0.1#



#52
Tetrachloroethene
Concen: 7.934 ppbv
RT: 11.21 min Scan# 2621
Delta R.T. 0.00 min
Lab File: VL037322.D
Acq: 5 Aug 2021 00:31

Tgt Ion:164 Resp: 1187886
Ion Ratio Lower Upper
164 100
166 123.8 103.4 155.2
129 100.1 82.2 123.2
131 97.8 76.6 114.8





#53

Toluene

Concen: 8.418 ppbv

RT: 9.80 min Scan# 2180

Delta R.T. -0.00 min

Lab File: VL037322.D

Acq: 5 Aug 2021 00:31

Instrument :

MSVOA_L

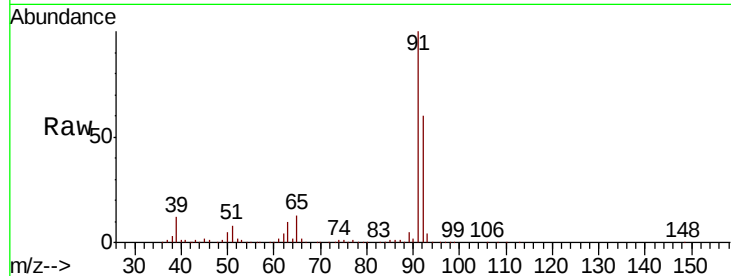
ClientSampleId :

Tot Ion: 91 Resp: 3454498

Ion Ratio Lower Upper

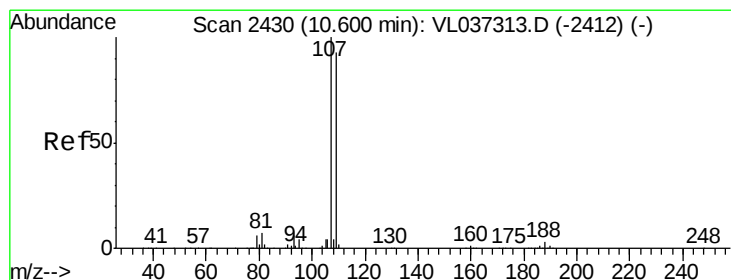
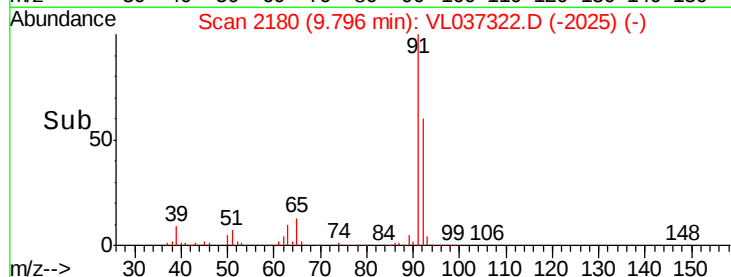
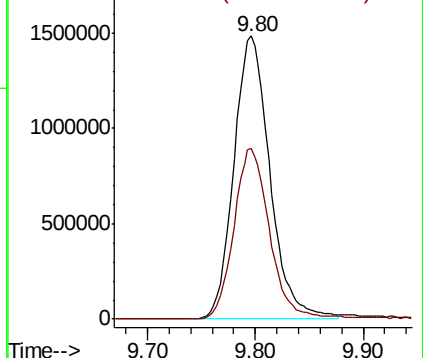
91 100

92 61.1 48.8 73.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 8.959 ppbv

RT: 10.60 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VL037322.D

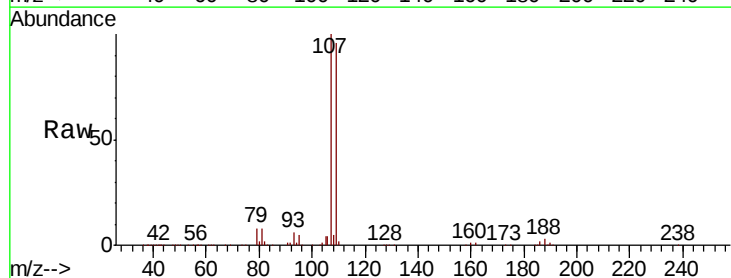
Acq: 5 Aug 2021 00:31

Tgt Ion: 107 Resp: 1712335

Ion Ratio Lower Upper

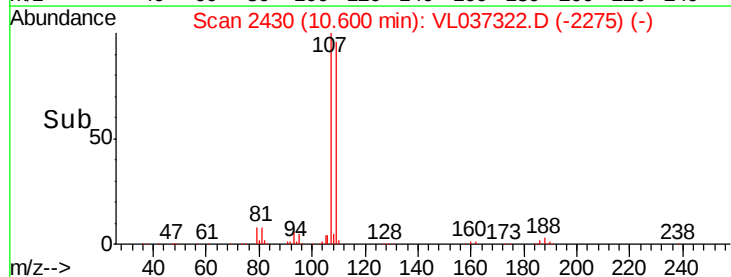
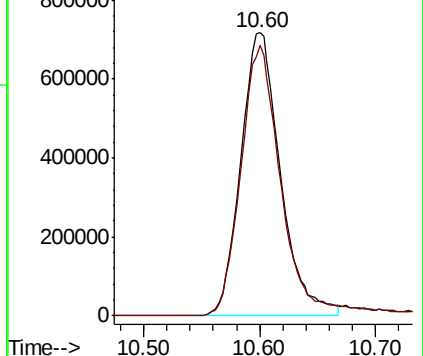
107 100

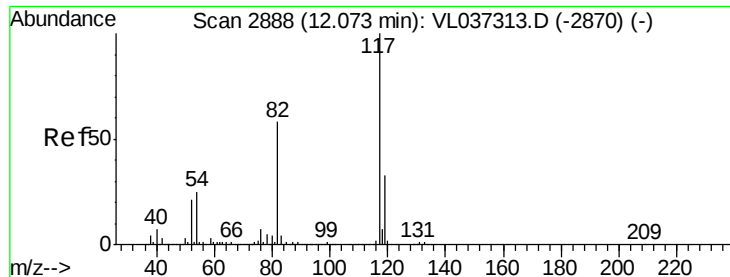
109 95.5 74.8 112.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

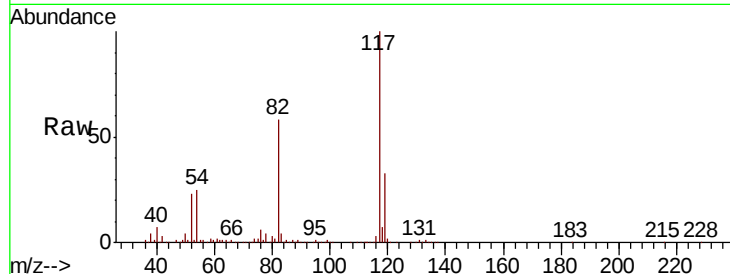




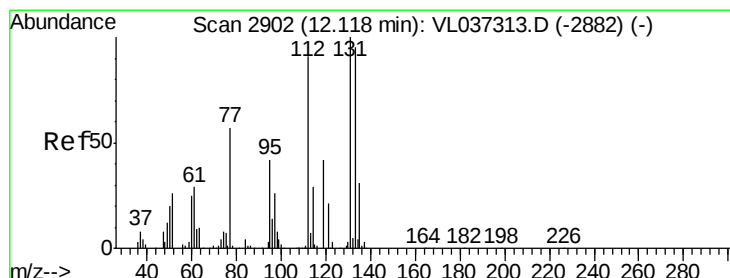
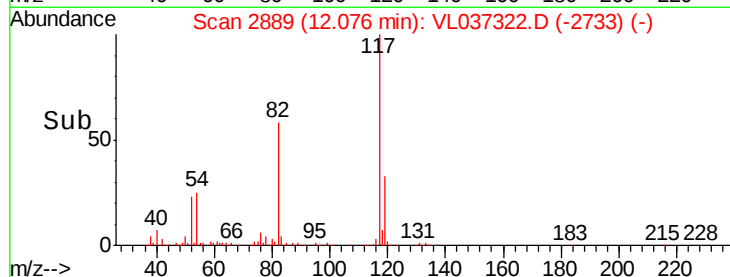
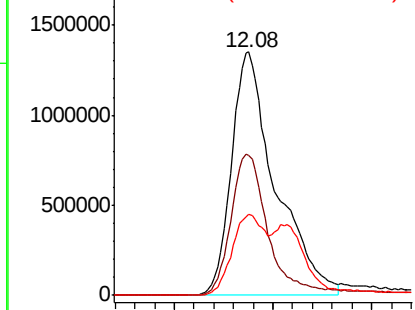
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min Scan# 2889
Delta R.T. 0.00 min
Lab File: VL037322.D
Acq: 5 Aug 2021 00:31

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:117 Resp: 4195901
Ion Ratio Lower Upper
117 100
82 52.3 50.3 75.5
119 49.8 48.2 72.2

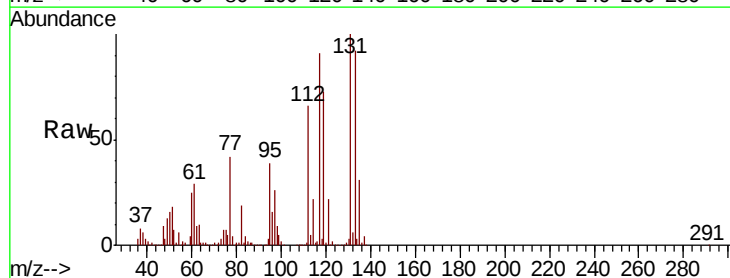


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

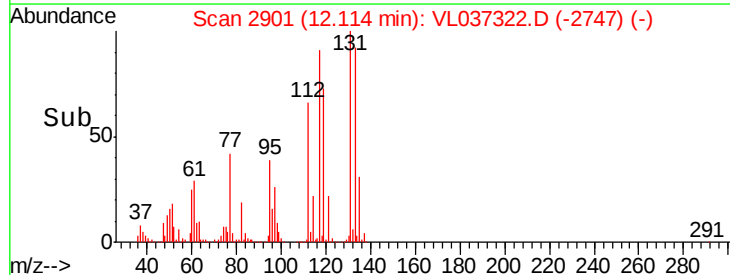
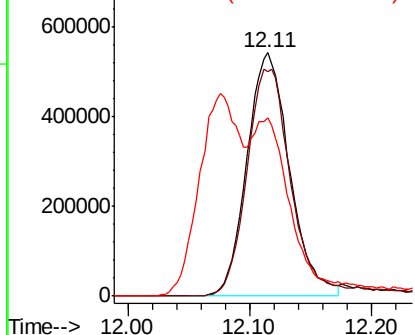


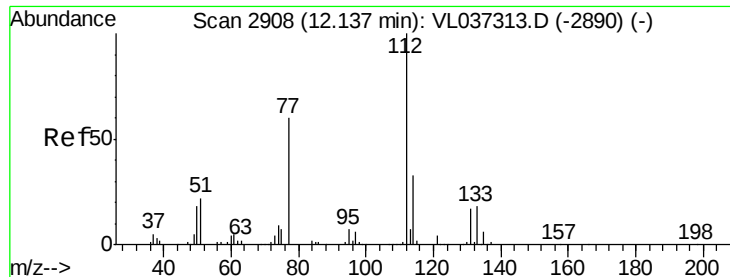
#56
1,1,1,2-Tetrachloroethane
Concen: 7.233 ppbv
RT: 12.11 min Scan# 2901
Delta R.T. -0.00 min
Lab File: VL037322.D
Acq: 5 Aug 2021 00:31

Tgt Ion:131 Resp: 1310208
Ion Ratio Lower Upper
131 100
133 103.0 83.0 124.4
119 159.7 130.4 195.6



Abundance Ion 131.00 (130.70 to 131.70): V
Ion 133.00 (132.70 to 133.70): V
Ion 119.00 (118.70 to 119.70): V

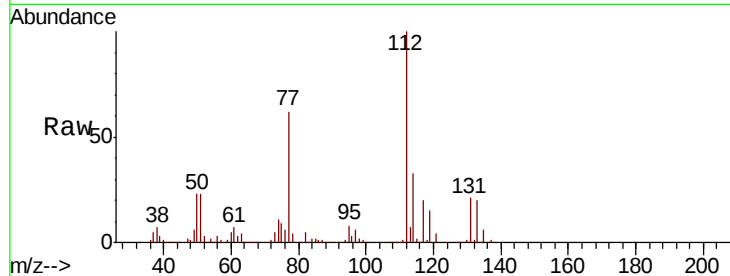




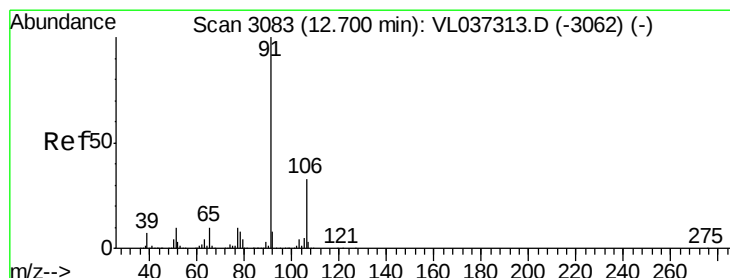
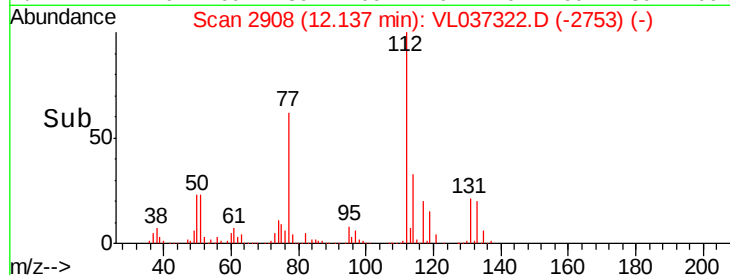
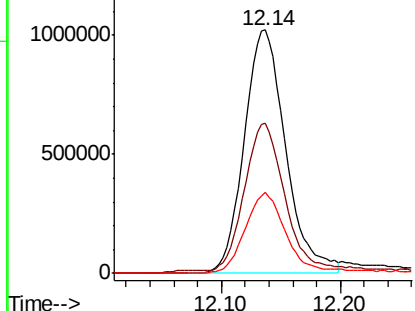
#57
Chlorobenzene
Concen: 6.961 ppbv
RT: 12.14 min Scan# 2908
Delta R.T. -0.00 min
Lab File: VL037322.D
Acq: 5 Aug 2021 00:31

Instrument :
MSVOA_L
ClientSampled :

Tot Ion:112 Resp: 2465875
Ion Ratio Lower Upper
112 100
77 60.6 47.8 71.6
114 33.0 29.8 36.4

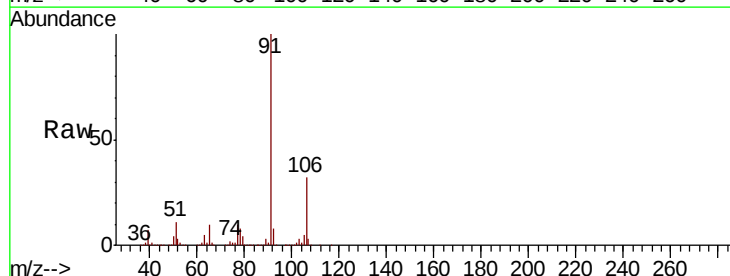


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

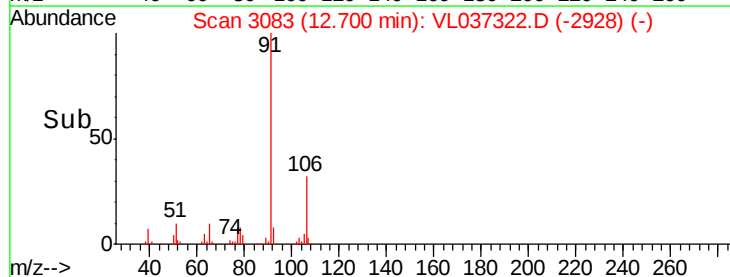
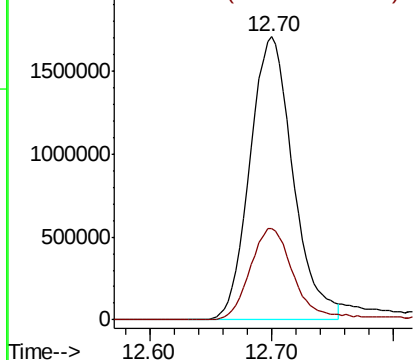


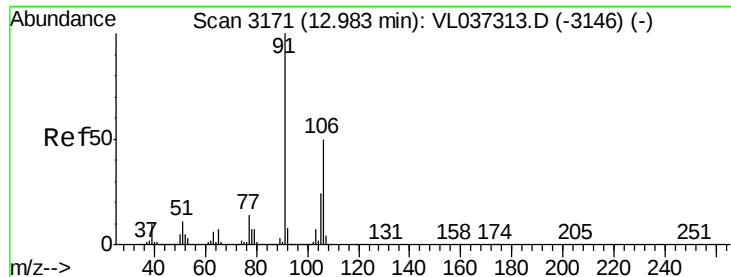
#58
Ethyl Benzene
Concen: 6.776 ppbv
RT: 12.70 min Scan# 3083
Delta R.T. -0.00 min
Lab File: VL037322.D
Acq: 5 Aug 2021 00:31

Tgt Ion: 91 Resp: 4176028
Ion Ratio Lower Upper
91 100
106 32.3 26.2 39.2



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





#59

m/p-Xylene

Concen: 7.069 ppbv

RT: 12.99 min Scan# 3172

Delta R.T. 0.00 min

Lab File: VL037322.D

Acq: 5 Aug 2021 00:31

Instrument :

MSVOA_L

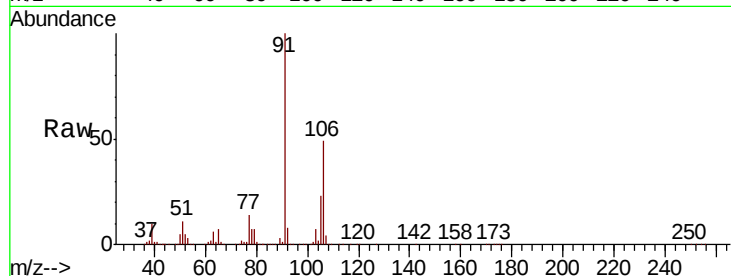
ClientSampled :

Tot Ion: 91 Resp: 3669823

Ion Ratio Lower Upper

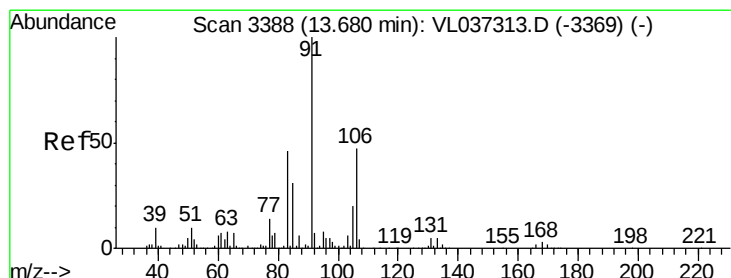
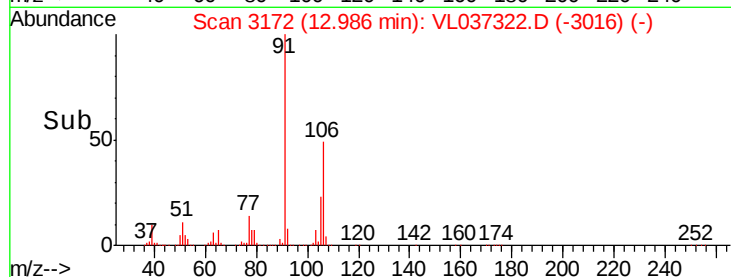
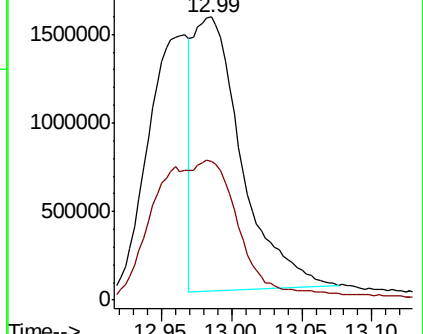
91 100

106 95.0 37.8 56.8#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#60

o-Xylene

Concen: 7.040 ppbv

RT: 13.68 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VL037322.D

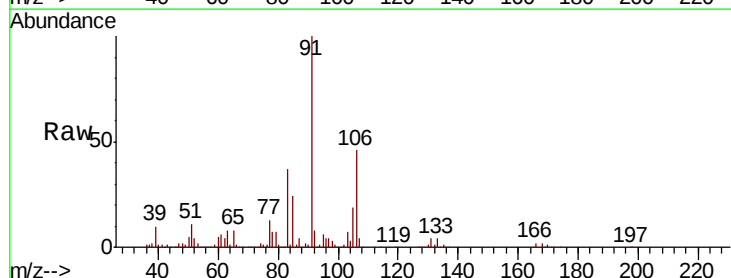
Acq: 5 Aug 2021 00:31

Tgt Ion: 91 Resp: 3321526

Ion Ratio Lower Upper

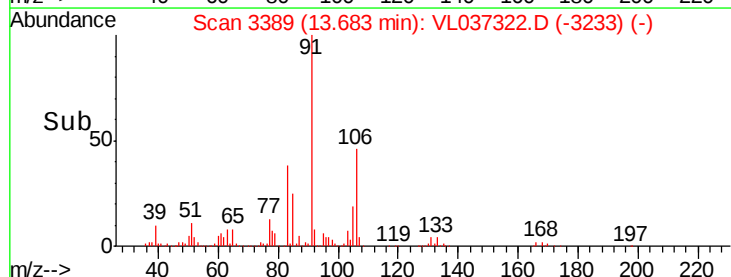
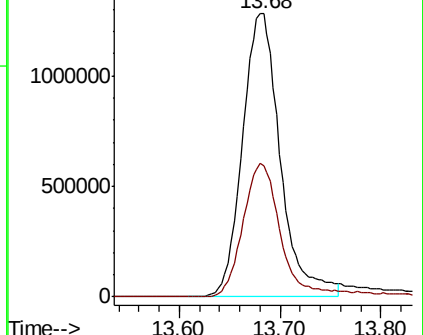
91 100

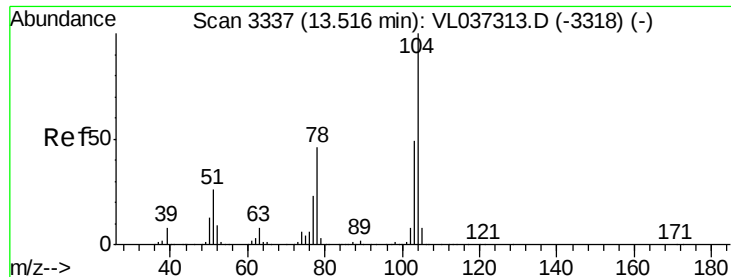
106 49.1 26.3 78.8



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

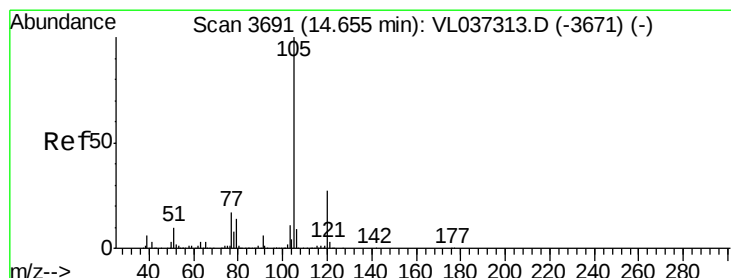
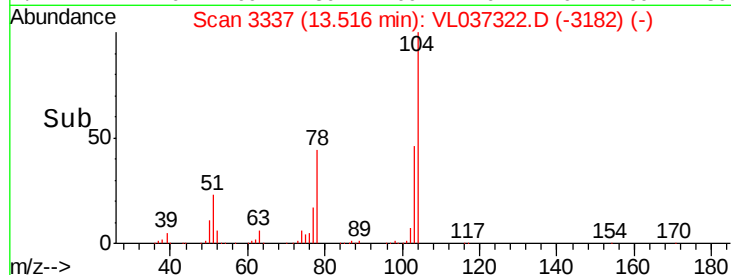
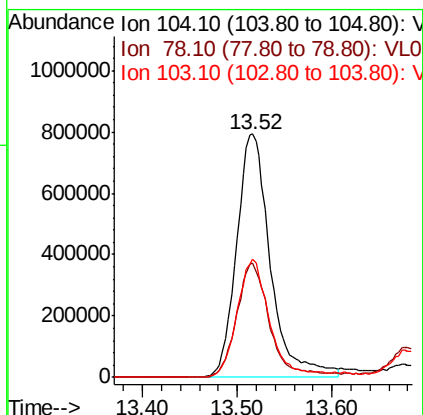
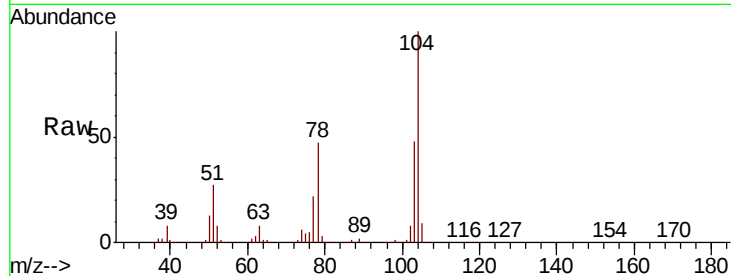




#61
Stvrene
Concen: 7.638 ppbv
RT: 13.52 min Scan# 3337
Delta R.T. -0.00 min
Lab File: VL037322.D
Acq: 5 Aug 2021 00:31

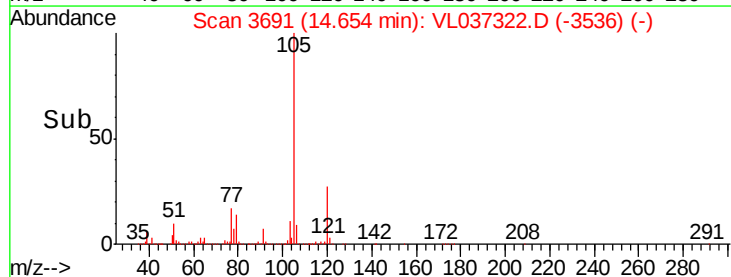
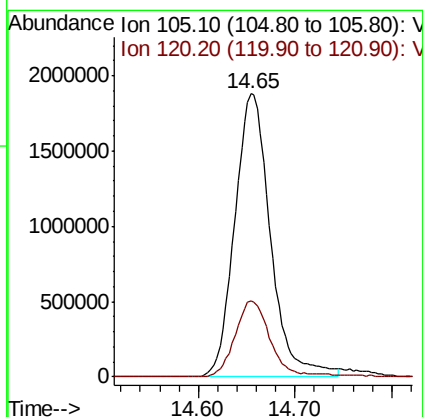
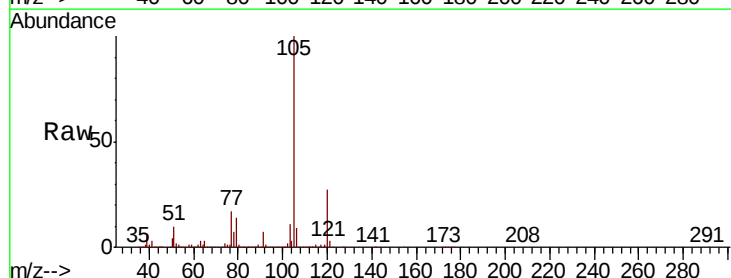
Instrument :
MSVOA_L
ClientSampleId :

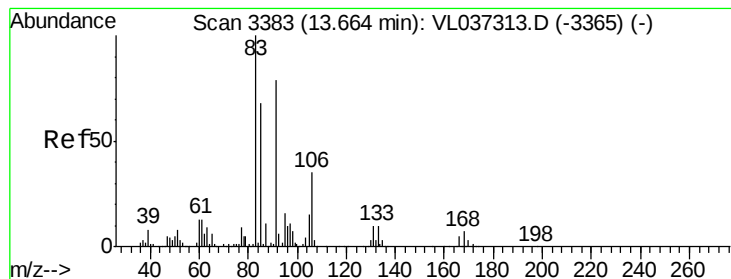
Tot Ion:104 Resp: 1975511
Ion Ratio Lower Upper
104 100
78 46.1 39.3 58.9
103 48.4 40.6 60.8



#62
Isopropylbenzene
Concen: 7.057 ppbv
RT: 14.65 min Scan# 3691
Delta R.T. -0.00 min
Lab File: VL037322.D
Acq: 5 Aug 2021 00:31

Tgt Ion:105 Resp: 4834351
Ion Ratio Lower Upper
105 100
120 27.2 23.0 34.6





#63

1,1,2,2-Tetrachloroethane

Concen: 6.765 ppbv

RT: 13.66 min Scan# 3383

Delta R.T. -0.00 min

Lab File: VL037322.D

Acq: 5 Aug 2021 00:31

Instrument :

MSVOA_L

ClientSampleId :

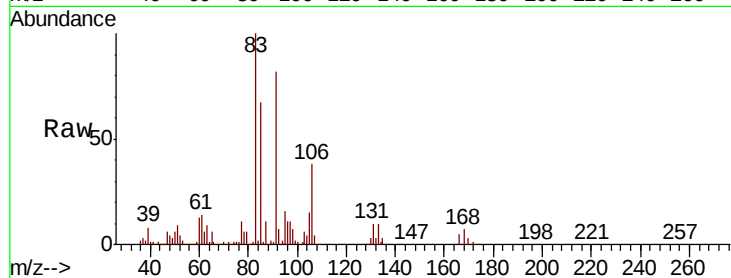
Tot Ion: 83 Resp: 2317351

Ion Ratio Lower Upper

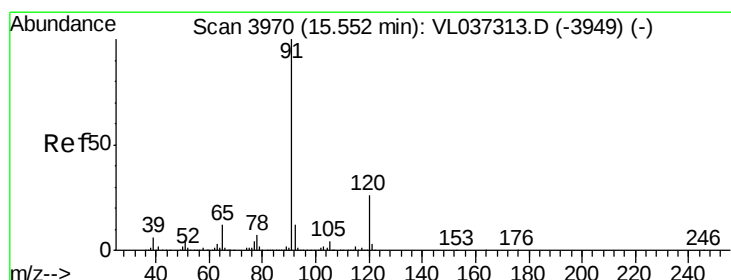
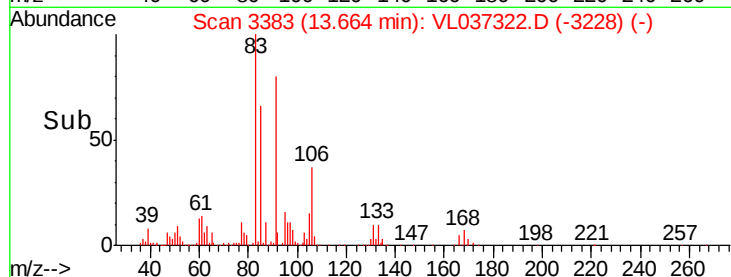
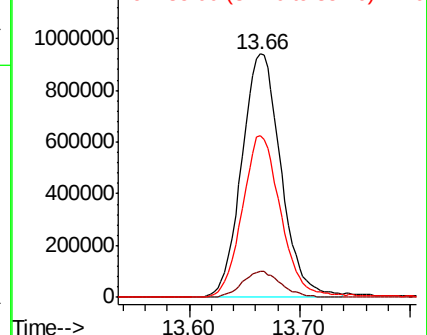
83 100

131 10.6 5.1 15.4

85 66.7 33.5 100.4



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: 7.260 ppbv

RT: 15.55 min Scan# 3969

Delta R.T. -0.00 min

Lab File: VL037322.D

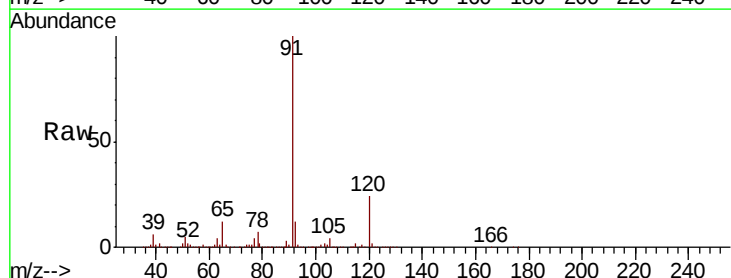
Acq: 5 Aug 2021 00:31

Tgt Ion:120 Resp: 1300585

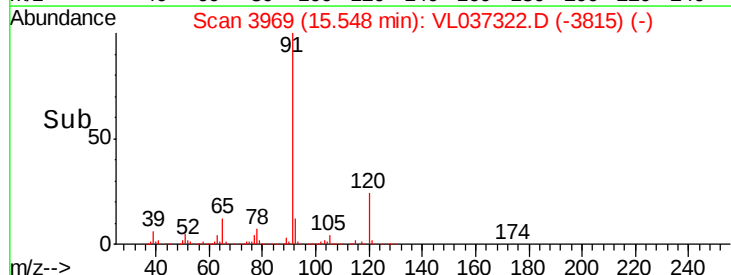
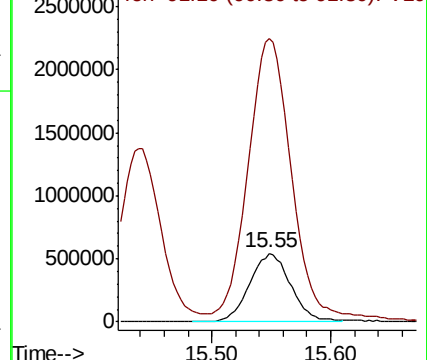
Ion Ratio Lower Upper

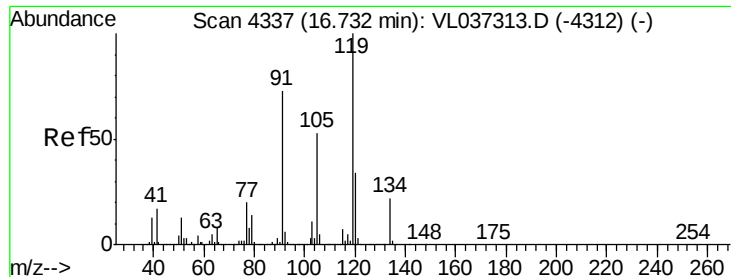
120 100

91 442.9 361.0 541.4



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

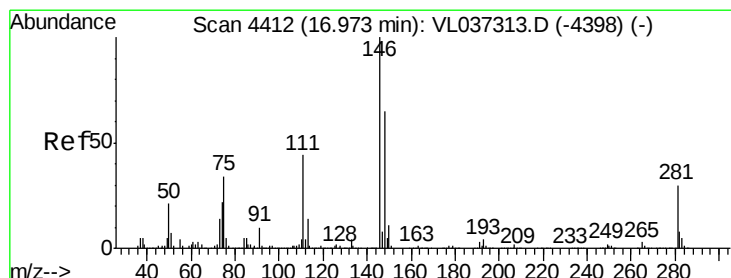
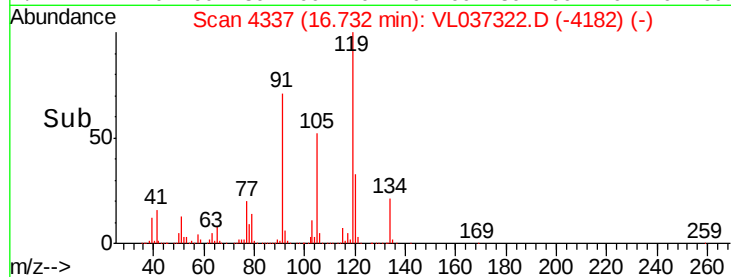
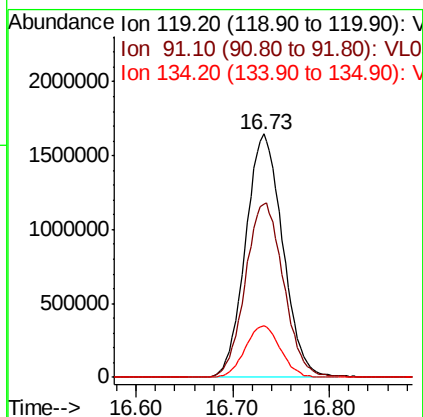
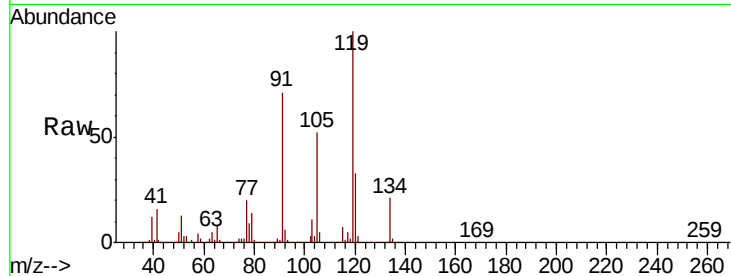




#65
 tert-Butylbenzene
 Concen: 6.951 ppbv
 RT: 16.73 min Scan# 4337
 Delta R.T. -0.00 min
 Lab File: VL037322.D
 Acq: 5 Aug 2021 00:31

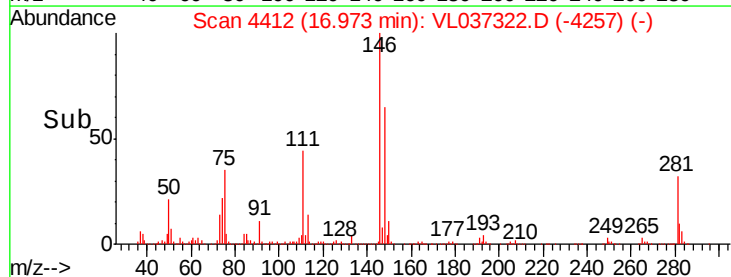
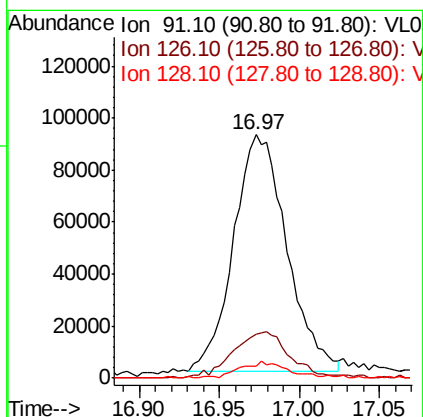
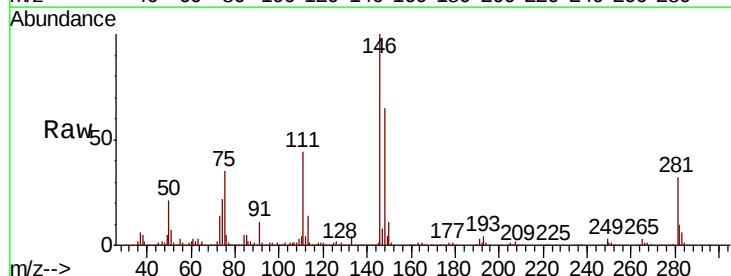
Instrument :
 MSVOA_L
 ClientSampled :

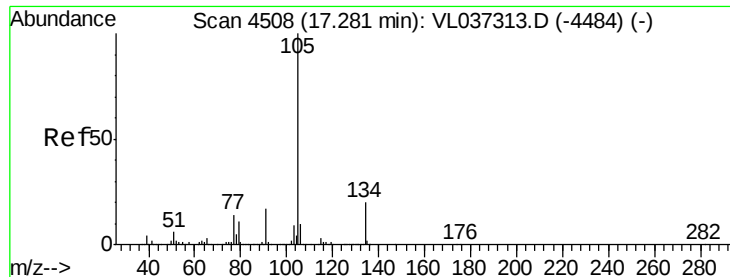
Tot Ion:119 Resp: 4391527
 Ion Ratio Lower Upper
 119 100
 91 73.6 58.6 88.0
 134 20.4 16.5 24.7



#66
 Benzyl Chloride
 Concen: 8.405 ppbv
 RT: 16.97 min Scan# 4412
 Delta R.T. -0.00 min
 Lab File: VL037322.D
 Acq: 5 Aug 2021 00:31

Tgt Ion: 91 Resp: 206386
 Ion Ratio Lower Upper
 91 100
 126 21.8 17.8 26.6
 128 7.1 5.8 8.6





#67

sec-Butylbenzene

Concen: 6.959 ppbv

RT: 17.28 min Scan# 4508

Delta R.T. -0.00 min

Lab File: VL037322.D

Acq: 5 Aug 2021 00:31

Instrument :

MSVOA_L

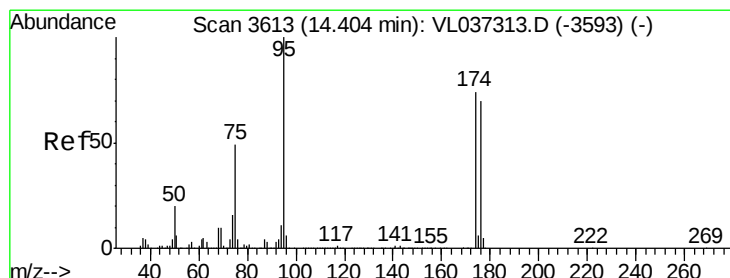
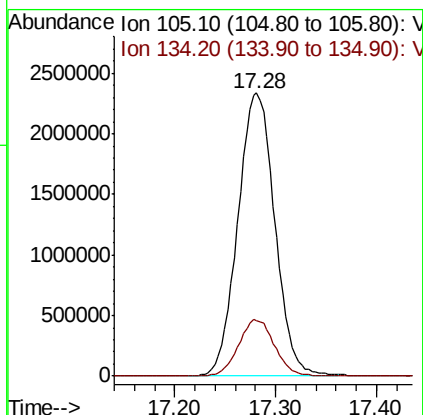
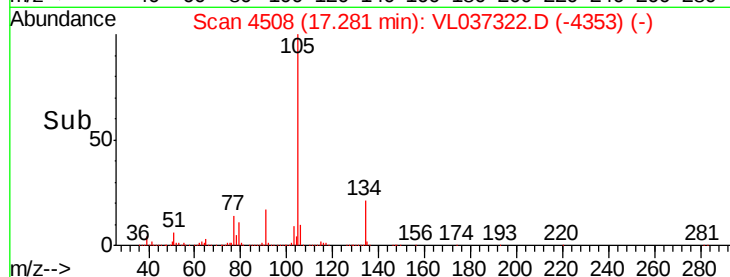
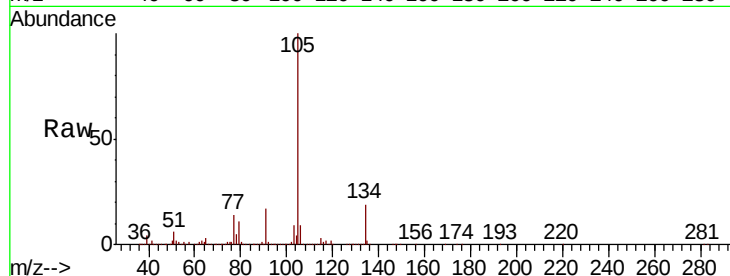
ClientSampleId :

Tot Ion:105 Resp: 5930137

Ion Ratio Lower Upper

105 100

134 19.3 15.4 23.2



#68

1-Bromo-4-Fluorobenzene

Concen: 8.288 ppbv

RT: 14.40 min Scan# 3613

Delta R.T. -0.00 min

Lab File: VL037322.D

Acq: 5 Aug 2021 00:31

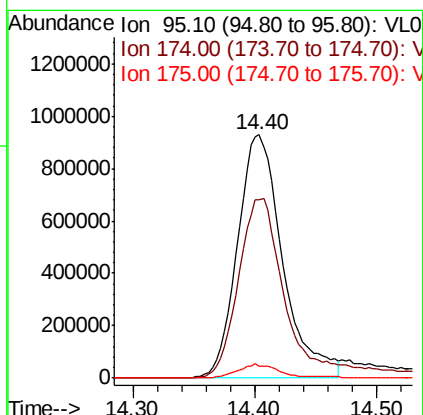
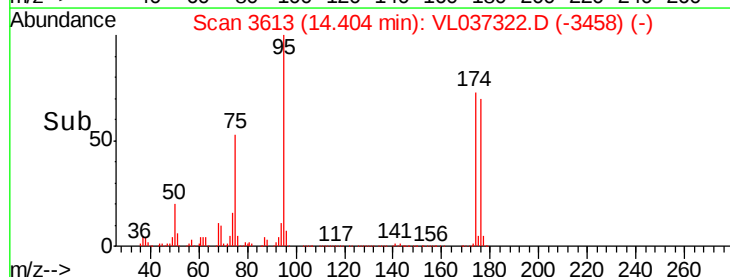
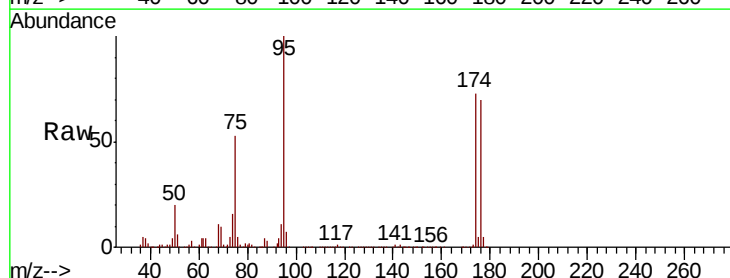
Tgt Ion: 95 Resp: 2375551

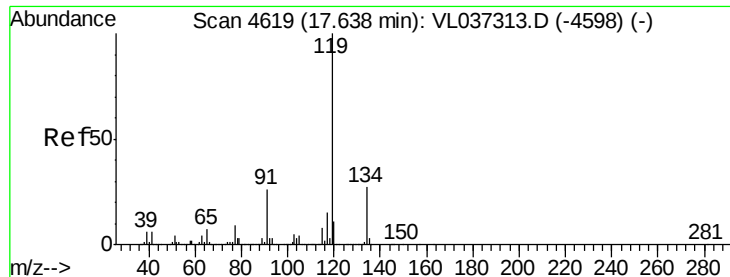
Ion Ratio Lower Upper

95 100

174 81.0 66.9 100.3

175 6.0 5.1 7.7

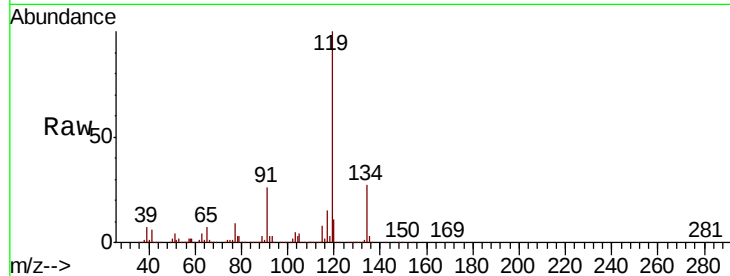




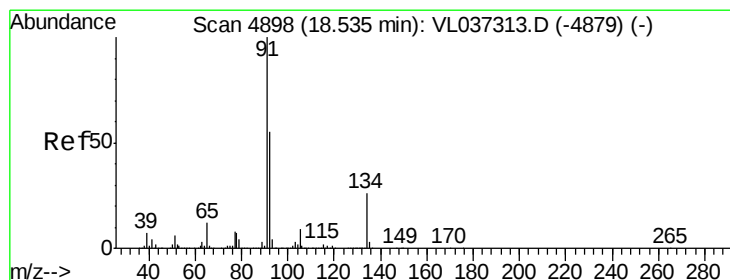
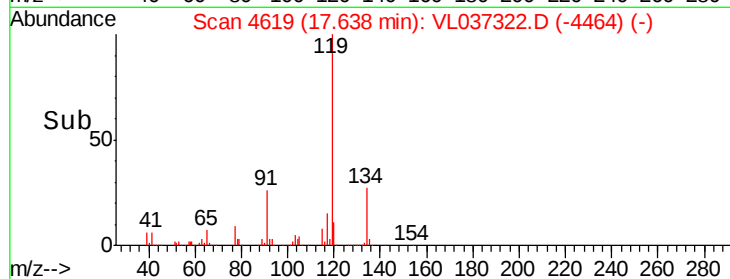
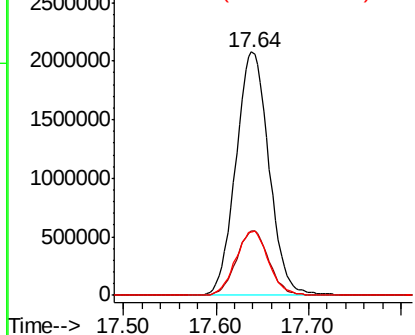
#69
 p-Isopropyltoluene
 Concen: 7.189 ppbv
 RT: 17.64 min Scan# 4619
 Delta R.T. -0.00 min
 Lab File: VL037322.D
 Acq: 5 Aug 2021 00:31

Instrument :
 MSVOA_L
 ClientSampleID :

Tot Ion:119 Resp: 5153033
 Ion Ratio Lower Upper
 119 100
 134 26.2 21.0 31.6
 91 26.1 20.5 30.7

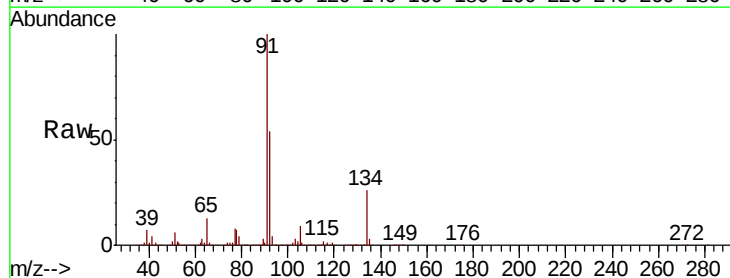


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

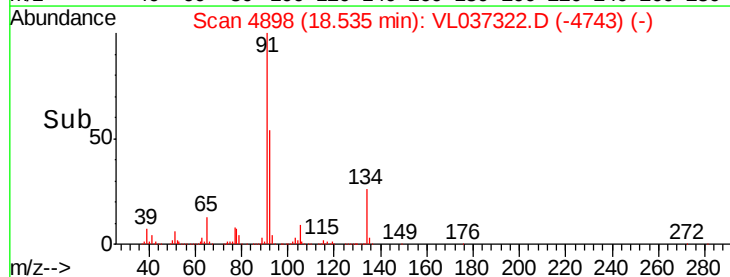
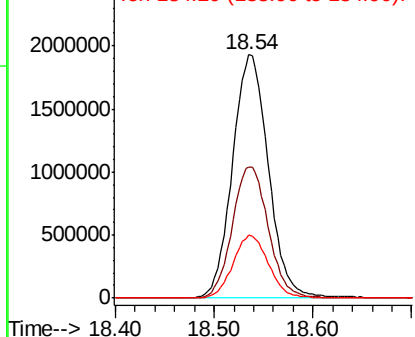


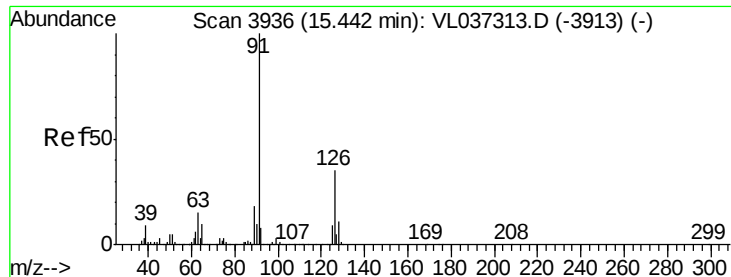
#70
 n-Butylbenzene
 Concen: 7.421 ppbv
 RT: 18.54 min Scan# 4898
 Delta R.T. -0.00 min
 Lab File: VL037322.D
 Acq: 5 Aug 2021 00:31

Tgt Ion: 91 Resp: 4865028
 Ion Ratio Lower Upper
 91 100
 92 54.6 44.1 66.1
 134 25.7 20.6 31.0



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

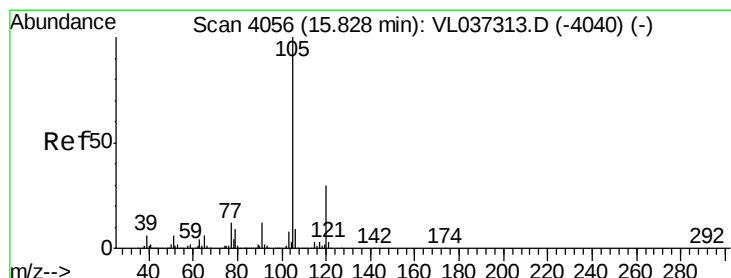
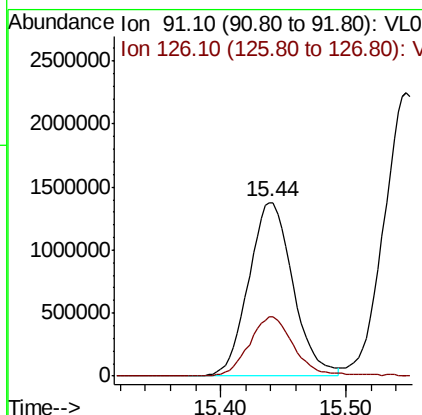
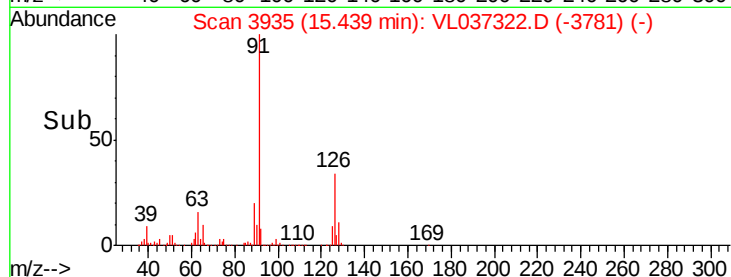
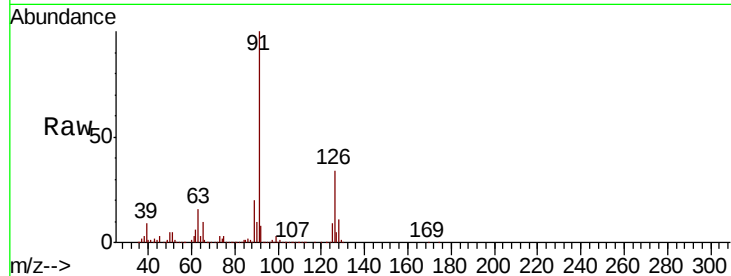




#71
 2-Chlorotoluene
 Concen: 7.082 ppbv
 RT: 15.44 min Scan# 3935
 Delta R.T. -0.00 min
 Lab File: VL037322.D
 Acq: 5 Aug 2021 00:31

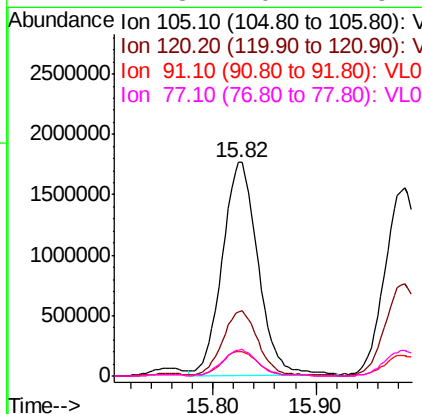
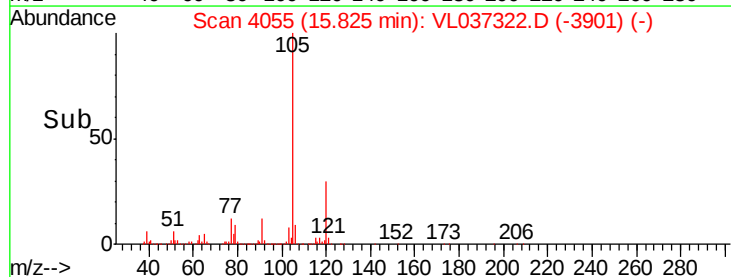
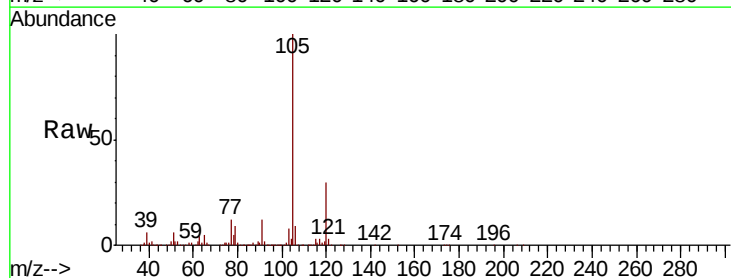
Instrument :
 MSVOA_L
 ClientSampled :

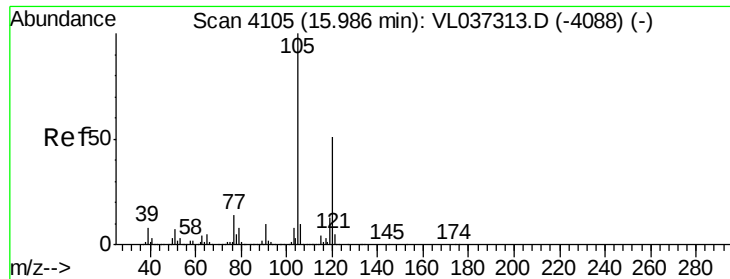
Tot Ion: 91 Resp: 3390109
 Ion Ratio Lower Upper
 91 100
 126 35.6 14.3 57.1



#72
 4-Ethyltoluene
 Concen: 7.446 ppbv
 RT: 15.82 min Scan# 4055
 Delta R.T. -0.00 min
 Lab File: VL037322.D
 Acq: 5 Aug 2021 00:31

Tgt Ion:105 Resp: 4240790
 Ion Ratio Lower Upper
 105 100
 120 30.9 25.6 38.4
 91 11.4 9.4 14.2
 77 12.3 10.2 15.4





#73

1,3,5-Trimethylbenzene

Concen: 7.272 ppbv

RT: 15.99 min Scan# 4105

Delta R.T. -0.00 min

Lab File: VL037322.D

Acq: 5 Aug 2021 00:31

Instrument :

MSVOA_L

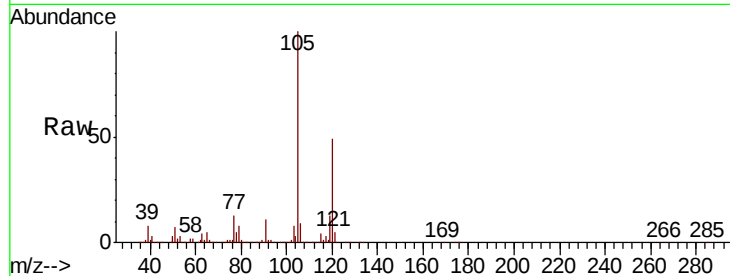
ClientSampleId :

Tot Ion:105 Resp: 3723796

Ion Ratio Lower Upper

105 100

120 49.3 40.4 60.6



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

15.99

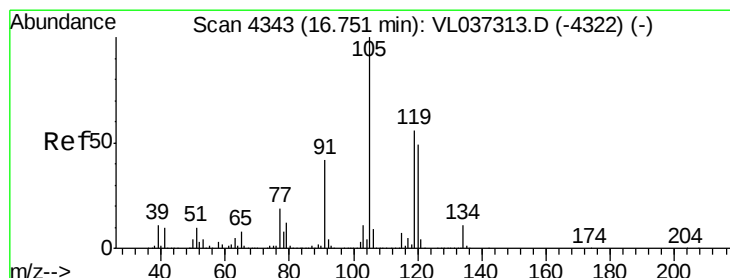
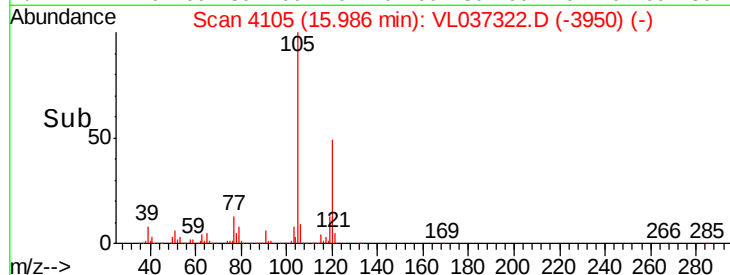
1500000

1000000

500000

0

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 7.231 ppbv

RT: 16.75 min Scan# 4343

Delta R.T. -0.00 min

Lab File: VL037322.D

Acq: 5 Aug 2021 00:31

Tgt Ion:105 Resp: 3951352

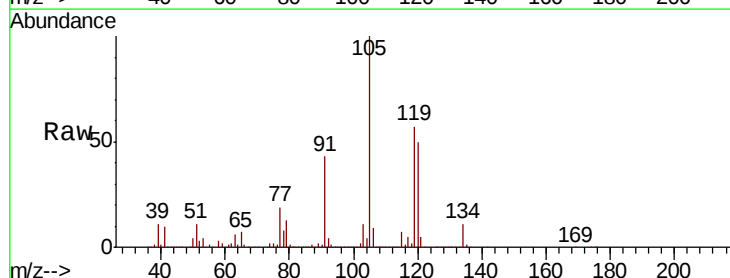
Ion Ratio Lower Upper

105 100

120 49.9 39.6 59.4

91 42.7 34.5 51.7

77 19.1 15.3 22.9



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

2500000

2000000

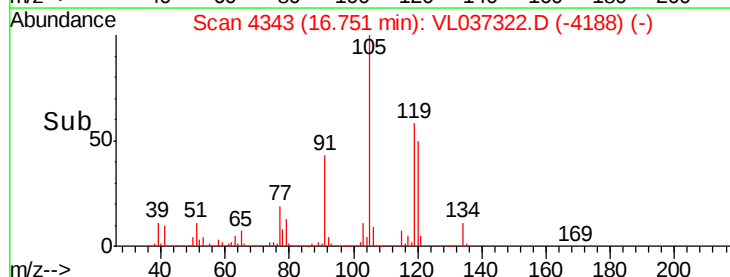
1500000

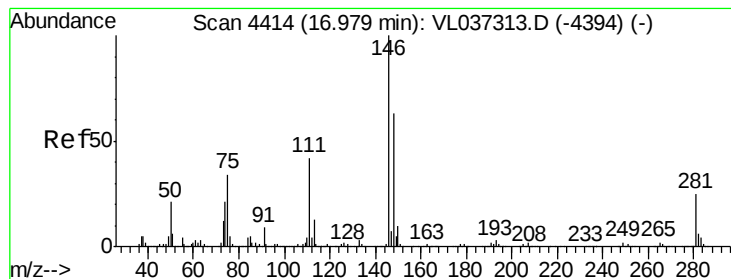
1000000

500000

0

Time-->





#75

1,3-Dichlorobenzene

Concen: 7.506 ppbv

RT: 16.98 min Scan# 4414

Delta R.T. -0.00 min

Lab File: VL037322.D

Acq: 5 Aug 2021 00:31

Instrument :

MSVOA_L

ClientSampleId :

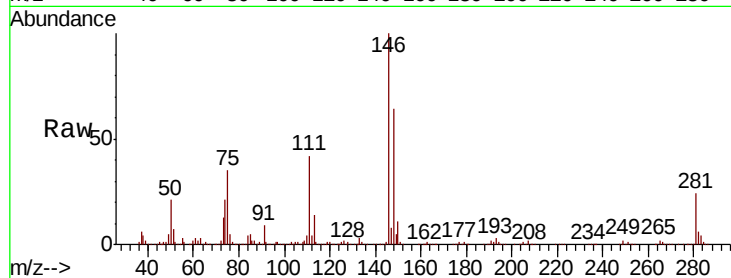
Tot Ion:146 Resp: 2521706

Ion Ratio Lower Upper

146 100

111 42.4 21.4 64.3

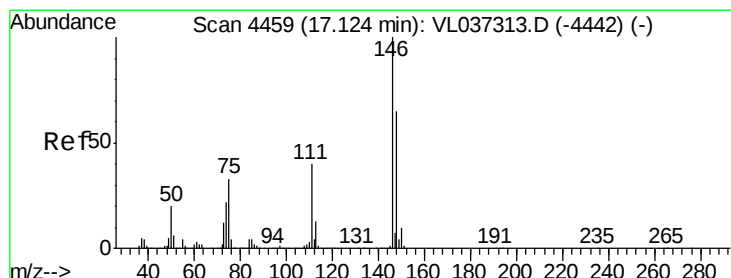
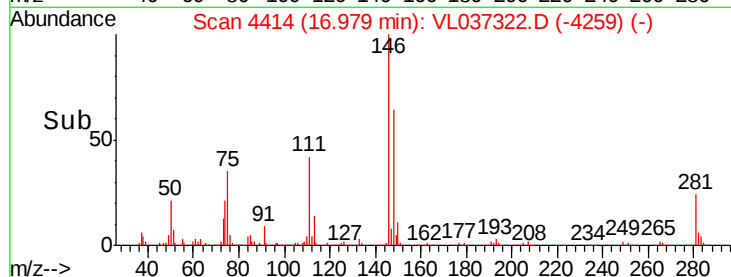
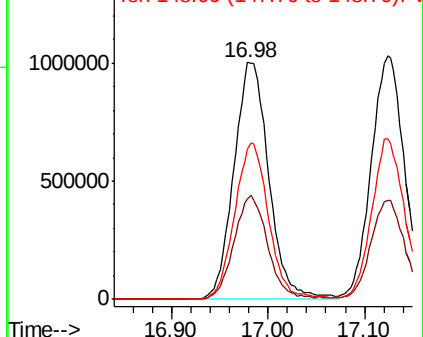
148 64.1 32.6 97.7



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: 7.424 ppbv

RT: 17.12 min Scan# 4459

Delta R.T. -0.00 min

Lab File: VL037322.D

Acq: 5 Aug 2021 00:31

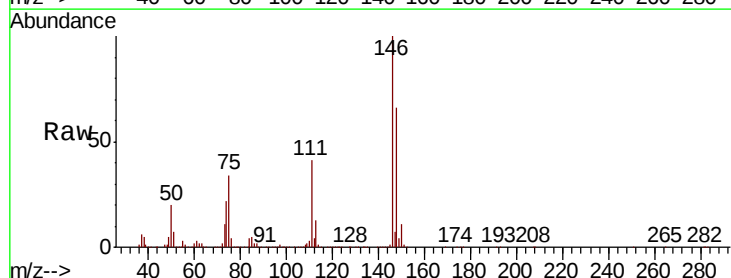
Tgt Ion:146 Resp: 2473482

Ion Ratio Lower Upper

146 100

111 42.2 21.0 63.0

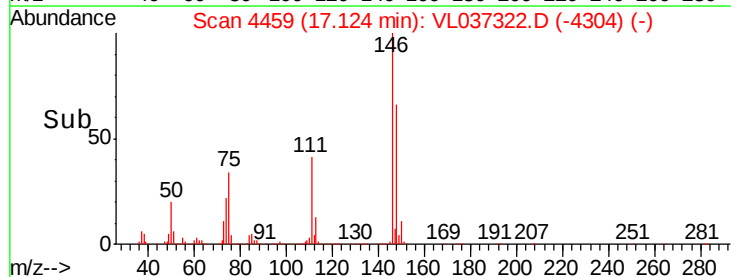
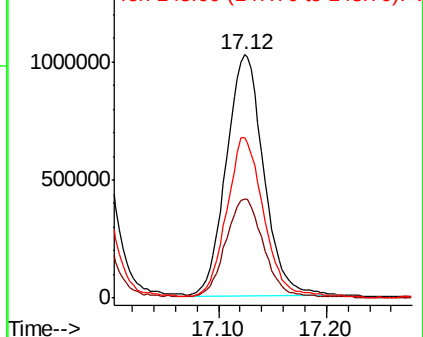
148 66.3 33.5 100.4

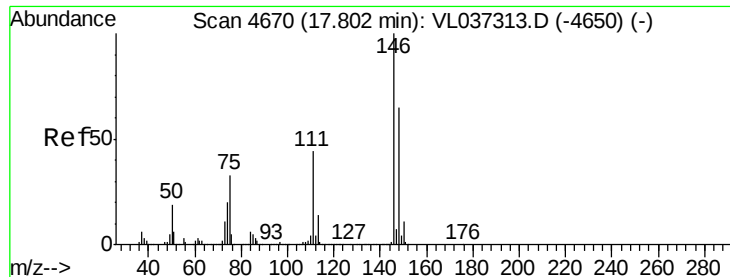


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

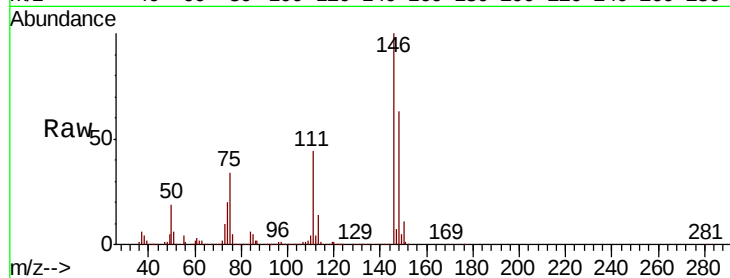




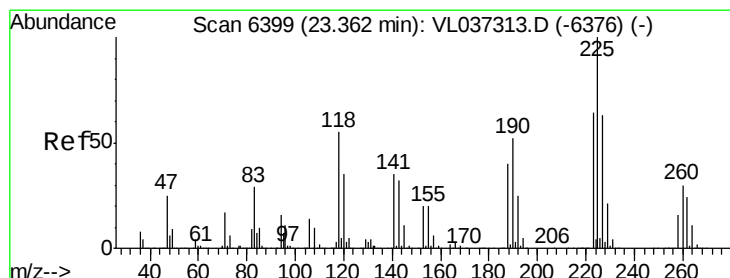
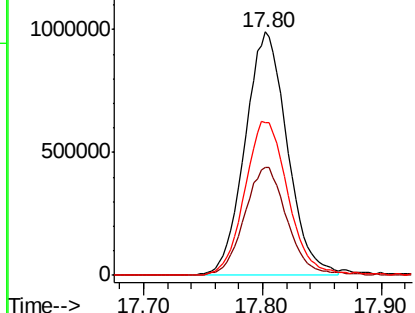
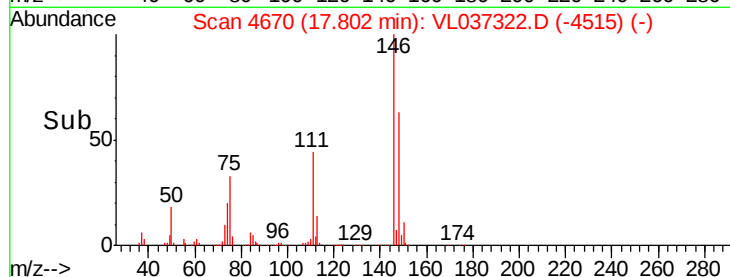
#77
 1,2-Dichlorobenzene
 Concen: 7.411 ppbv
 RT: 17.80 min Scan# 4670
 Delta R.T. -0.00 min
 Lab File: VL037322.D
 Acq: 5 Aug 2021 00:31

Instrument :
 MSVOA_L
 ClientSampled :

Tot Ion:146 Resp: 2424801
 Ion Ratio Lower Upper
 146 100
 111 45.0 22.1 66.5
 148 65.3 32.5 97.4

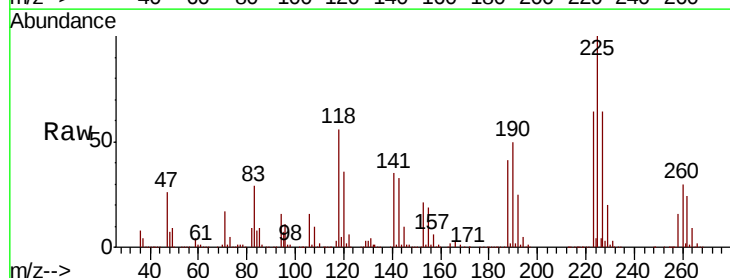


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.10 (110.80 to 111.80): V
 Ion 148.00 (147.70 to 148.70): V

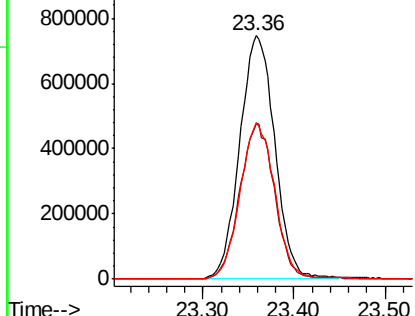
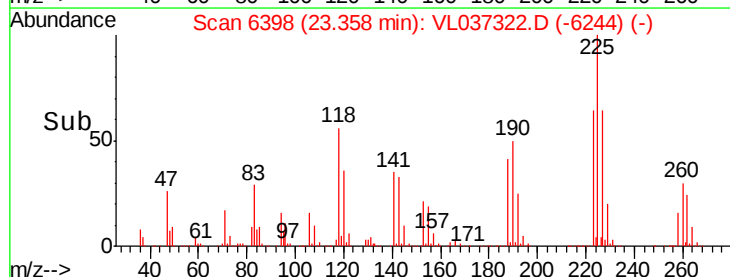


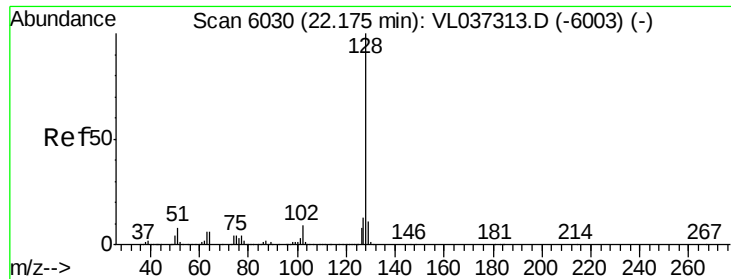
#78
 Hexachloro-1,3-Butadiene
 Concen: 6.817 ppbv
 RT: 23.36 min Scan# 6398
 Delta R.T. -0.00 min
 Lab File: VL037322.D
 Acq: 5 Aug 2021 00:31

Tgt Ion:225 Resp: 2003074
 Ion Ratio Lower Upper
 225 100
 223 63.7 51.1 76.7
 227 64.0 51.9 77.9



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

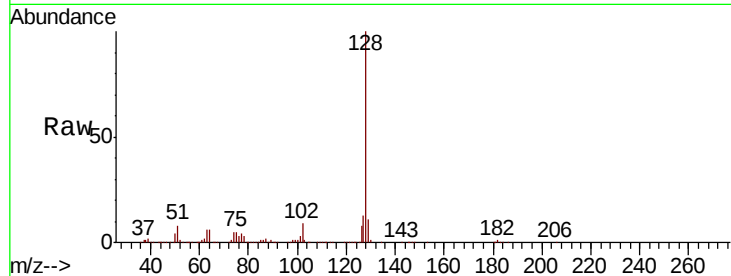




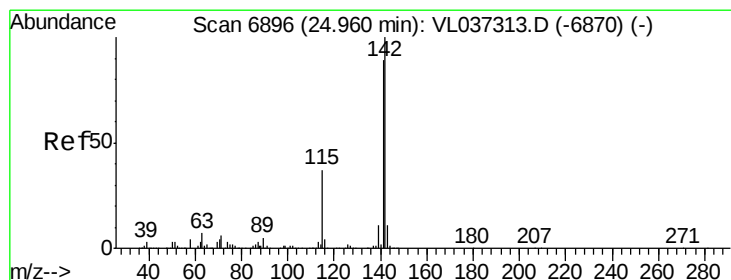
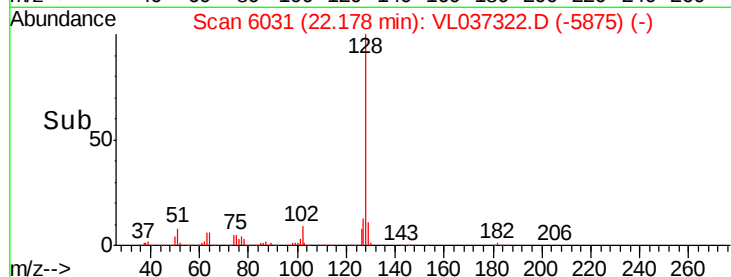
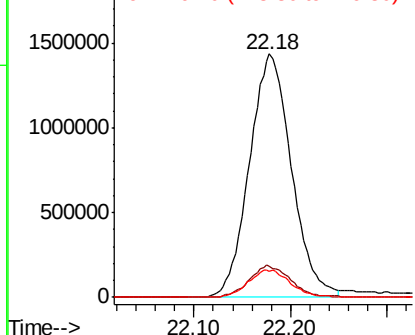
#79
Naphthalene
Concen: 8.634 ppbv
RT: 22.18 min Scan# 6031
Delta R.T. 0.00 min
Lab File: VL037322.D
Acq: 5 Aug 2021 00:31

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:128 Resp: 4330214
Ion Ratio Lower Upper
128 100
127 12.8 10.3 15.5
129 10.8 8.6 12.8

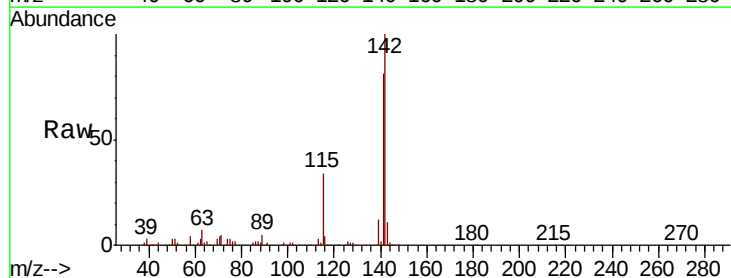


Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V

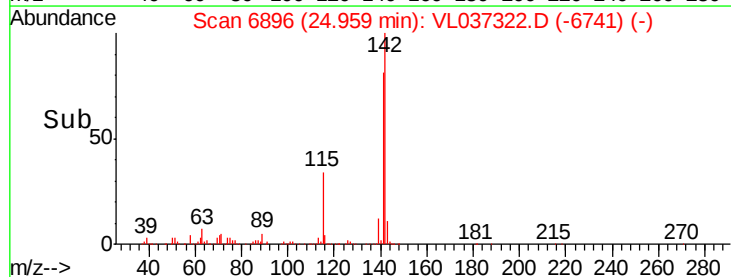
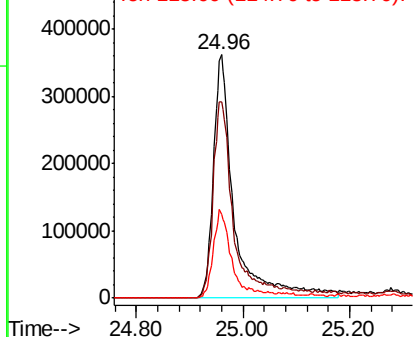


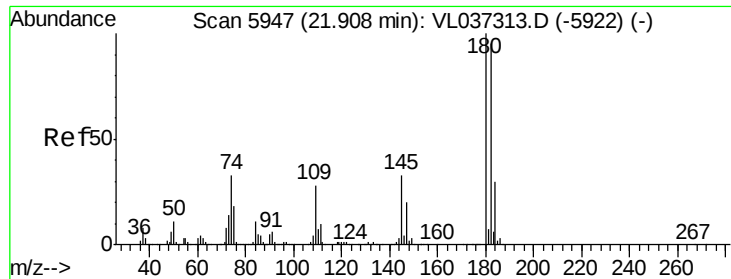
#80
Naphthalene, 2-methyl-
Concen: 12.211 ppbv
RT: 24.96 min Scan# 6896
Delta R.T. -0.00 min
Lab File: VL037322.D
Acq: 5 Aug 2021 00:31

Tgt Ion:142 Resp: 995373
Ion Ratio Lower Upper
142 100
141 82.5 67.2 100.8
115 34.8 27.9 41.9



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: 8.073 ppbv
 RT: 21.91 min Scan# 5947
 Delta R.T. -0.00 min
 Lab File: VL037322.D
 Acq: 5 Aug 2021 00:31

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:180 Resp: 2352237
 Ion Ratio Lower Upper
 180 100
 182 97.9 78.0 117.0
 184 31.6 25.0 37.4

