

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL061721\
 Data File : VL037215.D
 Acq On : 17 Jun 2021 23:51
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Quant Time: Jun 18 01:25:29 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 16 14:06:32 2021
 QLast Update : Wed Jun 16 14:06:32 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1389566	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	4131090	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	4841920	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2962947	8.08	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	80.80%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	3.05	85	2361924	9.774	ppbv	98
3) Chlorodifluoromethane	2.99	51	2699904	9.992	ppbv	99
4) Chloromethane	3.14	50	920820	10.226	ppbv	98
5) Vinyl Chloride	3.25	62	997938	10.083	ppbv	100
6) Bromomethane	3.47	94	612789	10.379	ppbv	99
7) Chloroethane	3.56	64	351154	9.926	ppbv	96
8) Dichlorotetrafluoroethane	3.19	85	2542679	10.256	ppbv	97
9) Propene	3.01	41	898290	10.398	ppbv	99
10) Heptane	8.12	43	2248868	10.748	ppbv	99
11) Trichlorofluoromethane	3.95	101	2649993	10.277	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1867851	10.276	ppbv	100
13) Ethanol	3.61	45	79540	5.952	ppbv	70
14) Bromoethene	3.74	108	799959	10.544	ppbv	99
15) Acetone	3.85	43	1364981	8.711	ppbv	98
16) 1,3-Butadiene	3.32	39	989320	10.680	ppbv	99
17) tert-Butyl alcohol	4.29	59	1449228	10.007	ppbv	100
18) 1,1-Dichloroethene	4.29	96	826462	10.260	ppbv	95
19) Isopropyl Alcohol	3.97	45	851863	8.976	ppbv #	98
20) Methylene Chloride	4.34	84	697349	7.434	ppbv	97
21) Allyl Chloride	4.41	41	1264717	10.708	ppbv	100
22) trans-1,2-Dichloroethene	4.88	96	822840	10.323	ppbv	97
23) Vinyl Acetate	5.07	43	2550454	11.351	ppbv	98
24) 1,1-Dichloroethane	5.01	63	1927061	10.653	ppbv	100
25) Ethyl Acetate	5.68	43	3600541	10.614	ppbv	99
26) Hexane	5.68	57	1698556	9.907	ppbv	99
27) Carbon Disulfide	4.55	76	1906179	11.347	ppbv	99
28) Methyl tert-Butyl Ether	5.03	73	2195053	10.649	ppbv	99
29) Chloroform	5.75	83	2703698	10.208	ppbv	98
30) Cyclohexane	7.13	84	1475517	10.329	ppbv	100
31) cis-1,2-Dichloroethene	5.55	61	1701541	10.800	ppbv	99
32) 1,1,1-Trichloroethane	6.51	97	2766495	9.761	ppbv	99
34) 2-Butanone	5.25	43	1682647	10.473	ppbv	99
35) Carbon Tetrachloride	7.02	117	2926054	10.560	ppbv	98
36) Benzene	6.89	78	3533832	10.579	ppbv	100
37) 1,2-Dichloroethane	6.30	62	2067188	10.653	ppbv	100
38) Trichloroethene	7.83	130	1460788	9.200	ppbv	98
39) 1,2-Dichloropropane	7.61	63	1355447	10.919	ppbv	99
40) 1,4-Dioxane	7.83	88	328442	9.649	ppbv	67
41) Tetrahydrofuran	6.05	42	830675	11.131	ppbv	99
42) Bromodichloromethane	7.79	83	2877629	10.749	ppbv	100
43) Methyl Methacrylate	8.01	69	687318	5.958	ppbv #	4

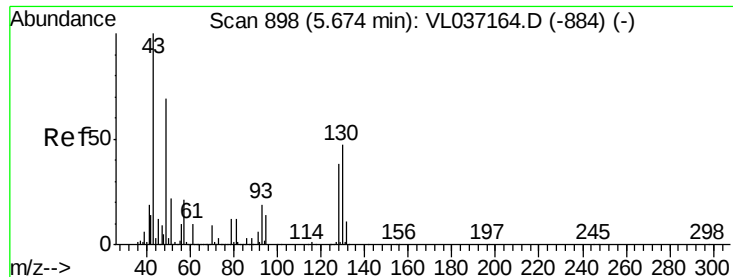
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL061721\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	5781686	10.278	ppbv	100
45) t-1,3-Dichloropropene	9.28	75	1328242	13.050	ppbv	100
46) cis-1,3-Dichloropropene	8.70	75	1677567	12.048	ppbv	98
47) 1,1,2-Trichloroethane	9.47	97	1466362	10.355	ppbv	98
48) Dibromochloromethane	10.30	129	2546240	11.390	ppbv	99
49) Bromoform	13.04	173	2016798	12.109	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	2428725	11.006	ppbv	99
51) 2-Hexanone	10.14	43	1235561	11.508	ppbv #	98
52) Tetrachloroethene	11.22	164	1438668	9.268	ppbv	98
53) Toluene	9.80	91	4222972	10.583	ppbv	100
54) 1,2-Dibromoethane	10.61	107	2169521	10.660	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.12	131	1732935	8.186	ppbv	95
57) Chlorobenzene	12.15	112	3136444	7.987	ppbv	97
58) Ethyl Benzene	12.71	91	5499616	8.251	ppbv	98
59) m/p-Xylene	13.00	91	5029431	8.904	ppbv #	43
60) o-Xylene	13.69	91	4347361	8.083	ppbv	100
61) Styrene	13.53	104	2500015	9.006	ppbv	98
62) Isopropylbenzene	14.66	105	6051918	7.913	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.67	83	2837530	7.923	ppbv	100
64) n-propylbenzene	15.56	120	1608966	8.400	ppbv	97
65) tert-Butylbenzene	16.74	119	5347165	7.883	ppbv	99
66) Benzyl Chloride	16.99	91	256105	8.909	ppbv	99
67) sec-Butylbenzene	17.29	105	7152540	7.907	ppbv	100
69) p-Isopropyltoluene	17.65	119	6199551	8.114	ppbv	99
70) n-Butylbenzene	18.55	91	5879188	8.314	ppbv	99
71) 2-Chlorotoluene	15.45	91	4394752	8.219	ppbv	98
72) 4-Ethyltoluene	15.84	105	5254275	8.599	ppbv	99
73) 1,3,5-Trimethylbenzene	16.00	105	4731168	8.010	ppbv	96
74) 1,2,4-Trimethylbenzene	16.76	105	4858898	7.984	ppbv	97
75) 1,3-Dichlorobenzene	17.00	146	2952716	7.980	ppbv	99
76) 1,4-Dichlorobenzene	17.14	146	2845034	7.698	ppbv	100
77) 1,2-Dichlorobenzene	17.82	146	2809576	7.849	ppbv	100
78) Hexachloro-1,3-Butadiene	23.38	225	2124062	6.902	ppbv	100
79) Naphthalene	22.20	128	4586230	9.039	ppbv	99
80) Naphthalene, 2-methyl-	24.98	142	1168074	8.778	ppbv	91
81) 1,2,4-Trichlorobenzene	21.92	180	2449728	8.367	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. -0.01 min

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VSTDCCC010EC

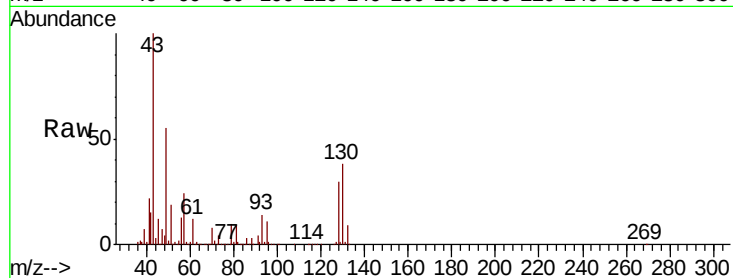
Tot Ion: 49 Resp: 1389566

Ion Ratio Lower Upper

49 100

128 57.4 29.3 88.0

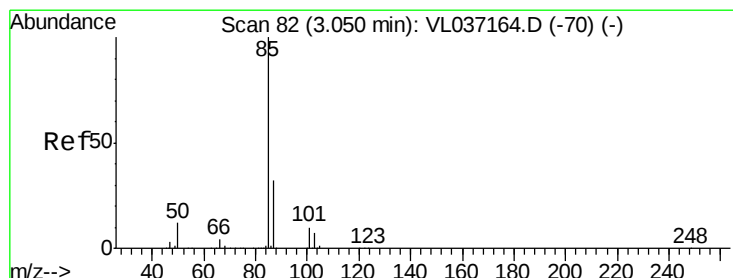
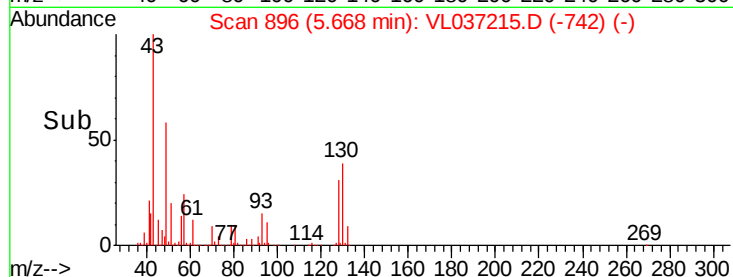
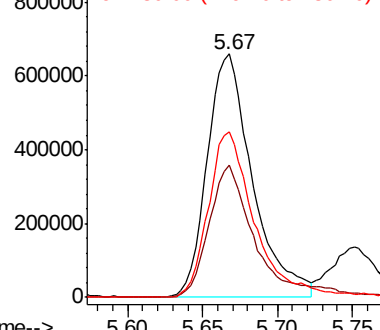
130 70.8 35.9 107.8



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: 9.774 ppbv

RT: 3.05 min Scan# 81

Delta R.T. -0.00 min

Lab File: VL037215.D

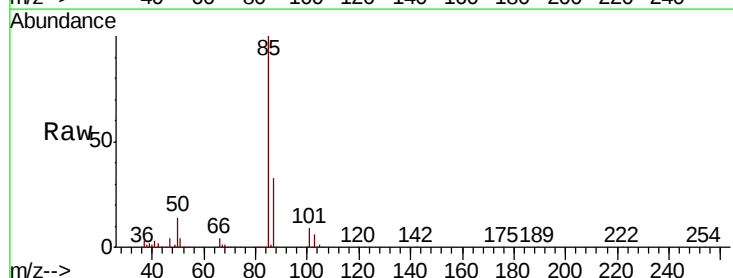
Acq: 17 Jun 2021 23:51

Tgt Ion: 85 Resp: 2361924

Ion Ratio Lower Upper

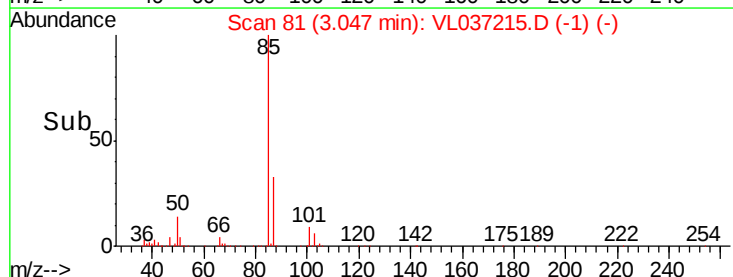
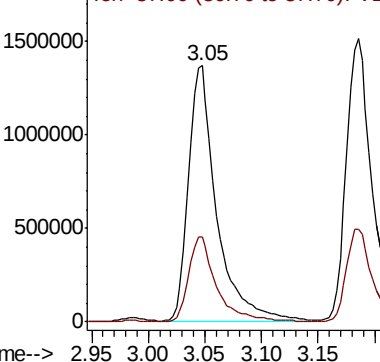
85 100

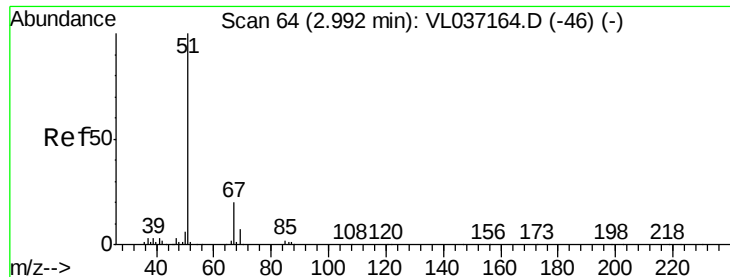
87 33.1 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.992 ppbv

RT: 2.99 min Scan# 62

Delta R.T. -0.01 min

Lab File: VL037215.D

Acq: 17 Jun 2021 23:51

Instrument :

MSVOA_L

ClientSampleId :

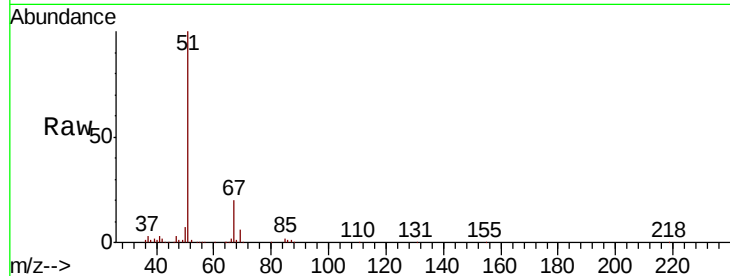
VSTDCCC010EC

Tot Ion: 51 Resp: 2699904

Ion Ratio Lower Upper

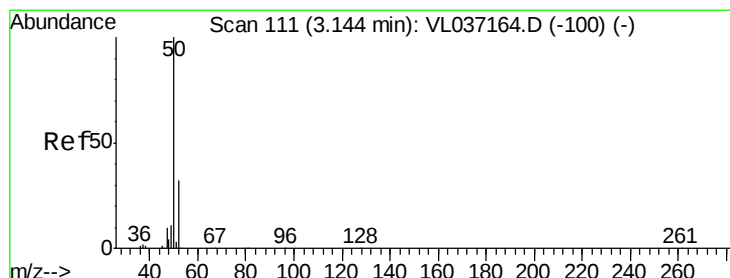
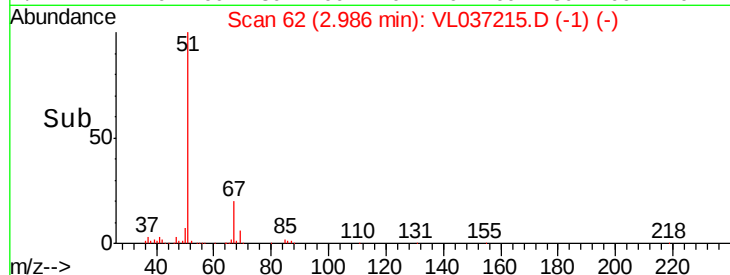
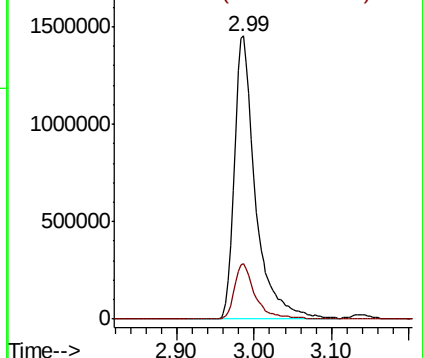
51 100

67 19.5 15.8 23.6



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 10.226 ppbv

RT: 3.14 min Scan# 109

Delta R.T. -0.01 min

Lab File: VL037215.D

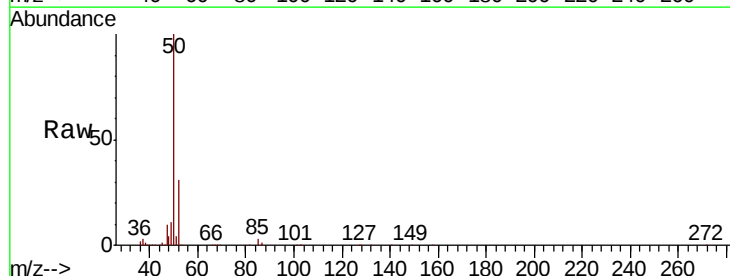
Acq: 17 Jun 2021 23:51

Tgt Ion: 50 Resp: 920820

Ion Ratio Lower Upper

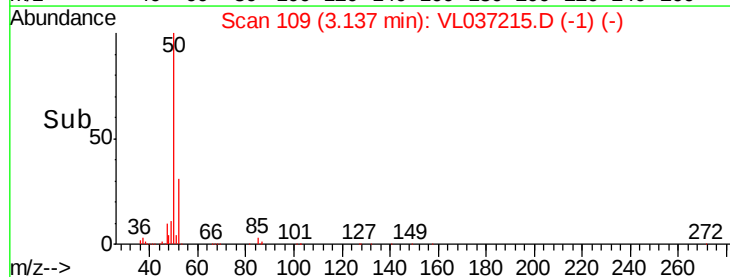
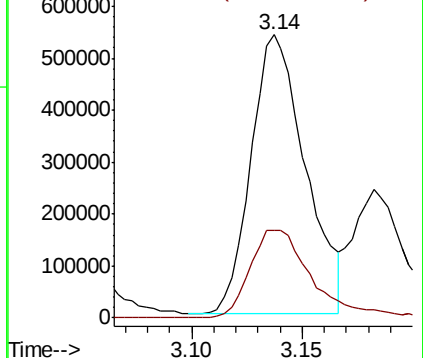
50 100

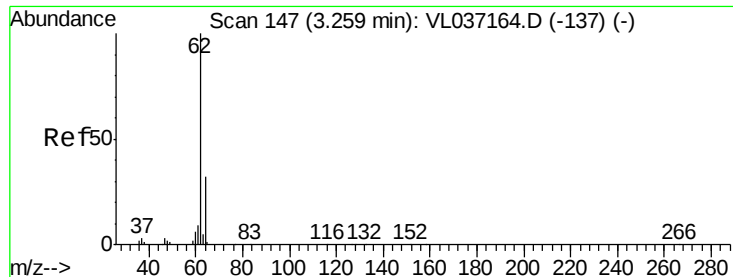
52 31.4 25.8 38.8



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 10.083 ppbv

RT: 3.25 min Scan# 145

Delta R.T. -0.01 min

Lab File: VL037215.D

Acq: 17 Jun 2021 23:51

Instrument :

MSVOA_L

ClientSampleId :

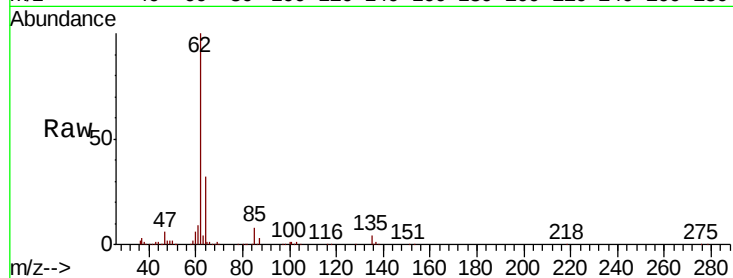
VSTDCCC010EC

Tot Ion: 62 Resp: 997938

Ion Ratio Lower Upper

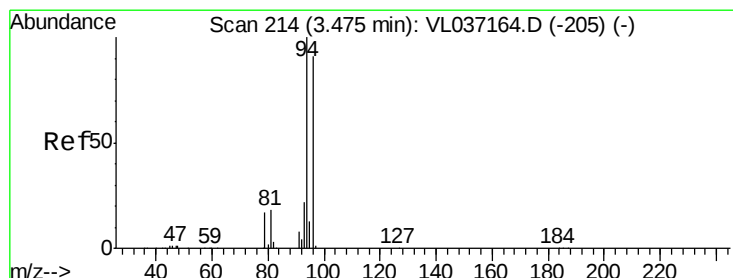
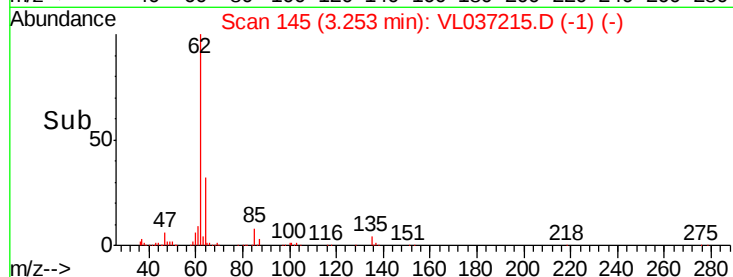
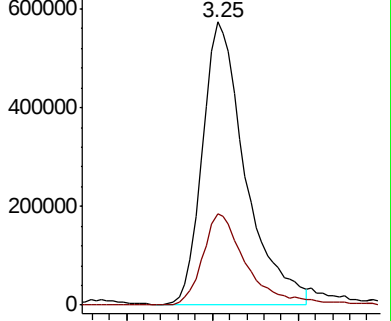
62 100

64 32.3 25.6 38.4



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 10.379 ppbv

RT: 3.47 min Scan# 212

Delta R.T. -0.01 min

Lab File: VL037215.D

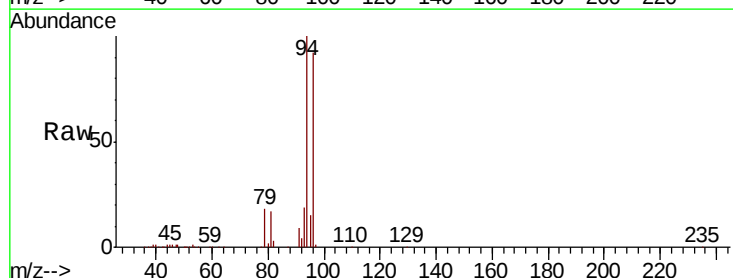
Acq: 17 Jun 2021 23:51

Tgt Ion: 94 Resp: 612789

Ion Ratio Lower Upper

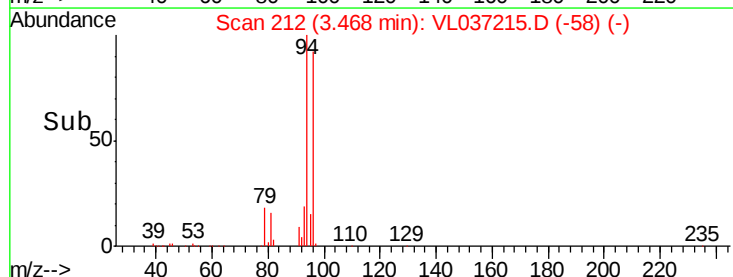
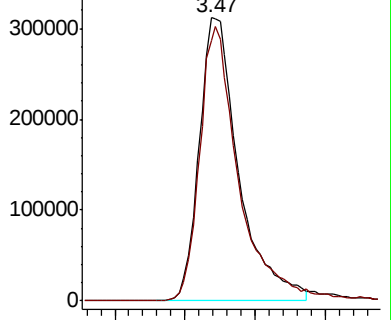
94 100

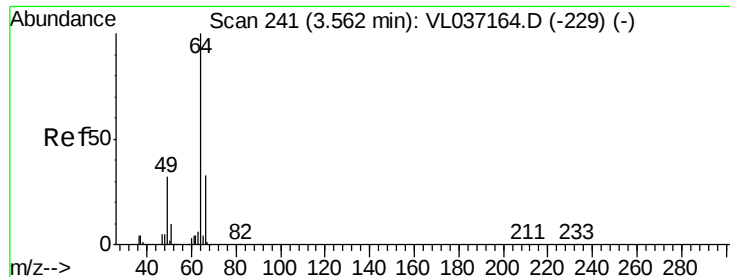
96 91.8 72.6 108.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.926 ppbv

RT: 3.56 min Scan# 239

Delta R.T. -0.01 min

Lab File: VL037215.D

Acq: 17 Jun 2021 23:51

Instrument :

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ClientSampleId :

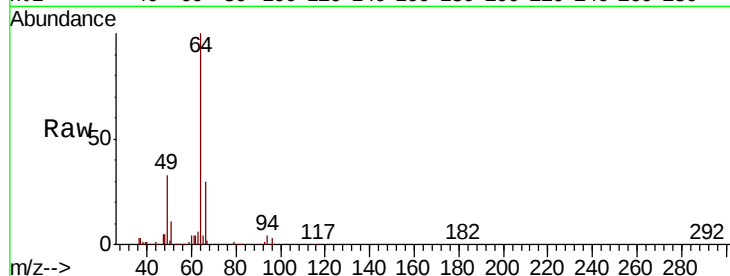
VSTDCCC010EC

Tot Ion: 64 Resp: 351154

Ion Ratio Lower Upper

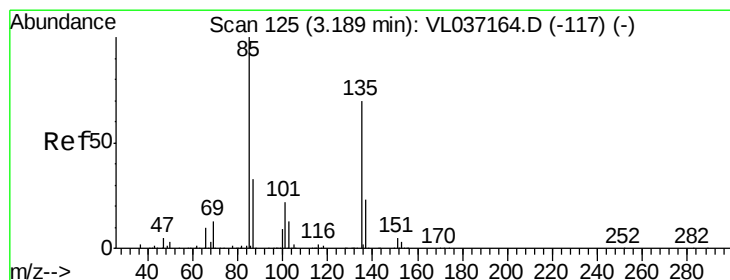
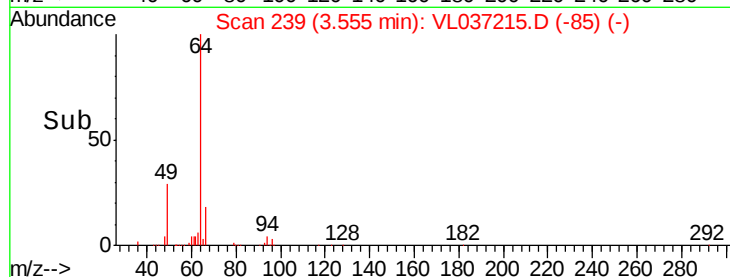
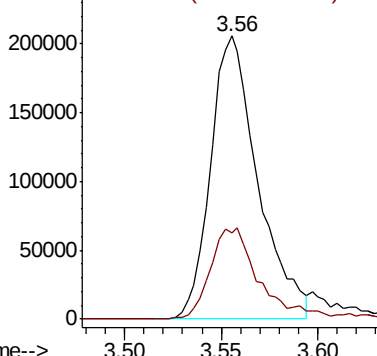
64 100

66 30.4 26.2 39.4



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 10.256 ppbv

RT: 3.19 min Scan# 124

Delta R.T. -0.00 min

Lab File: VL037215.D

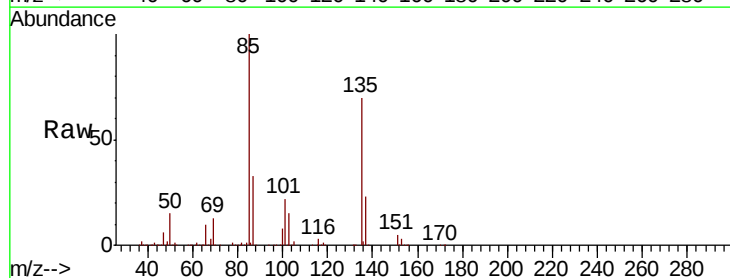
Acq: 17 Jun 2021 23:51

Tgt Ion: 85 Resp: 2542679

Ion Ratio Lower Upper

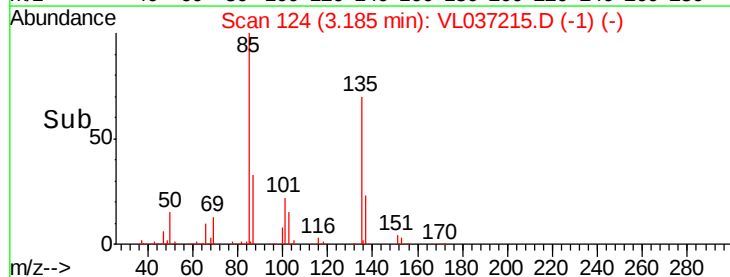
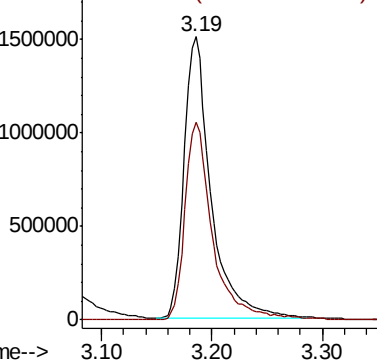
85 100

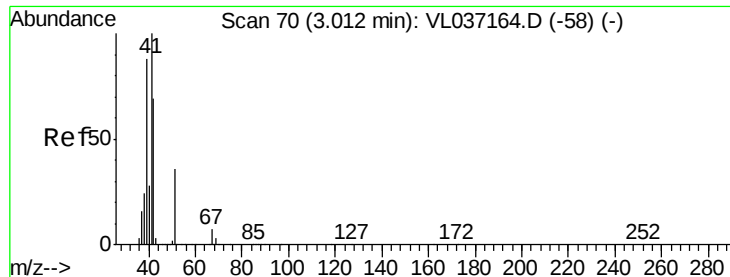
135 72.7 60.4 90.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 10.398 ppbv

RT: 3.01 min Scan# 68

Delta R.T. -0.01 min

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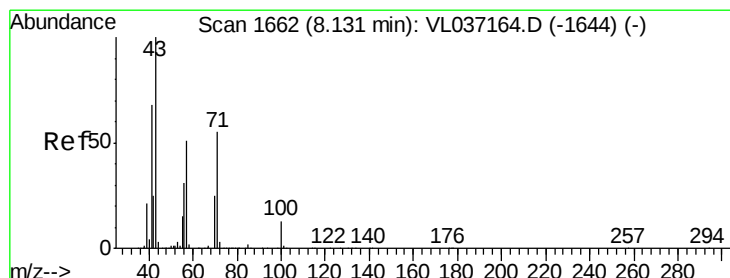
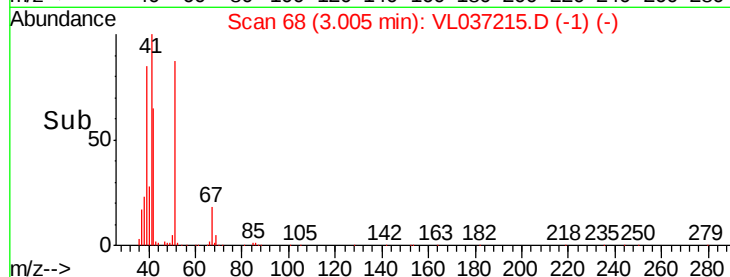
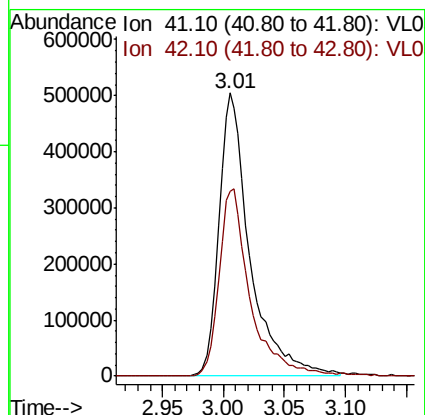
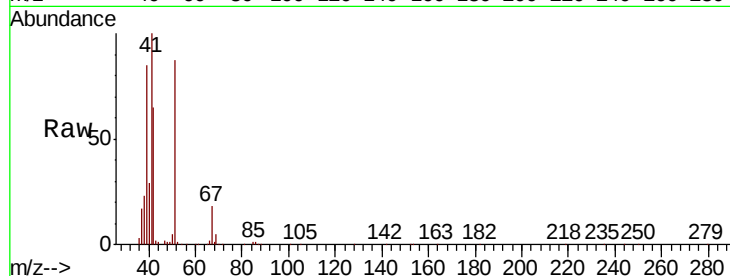
VSTDCCC010EC

Tot Ion: 41 Resp: 898290

Ion Ratio Lower Upper

41 100

42 67.2 54.5 81.7



#10

Heptane

Concen: 10.748 ppbv

RT: 8.12 min Scan# 1659

Delta R.T. -0.01 min

Lab File: VL037215.D

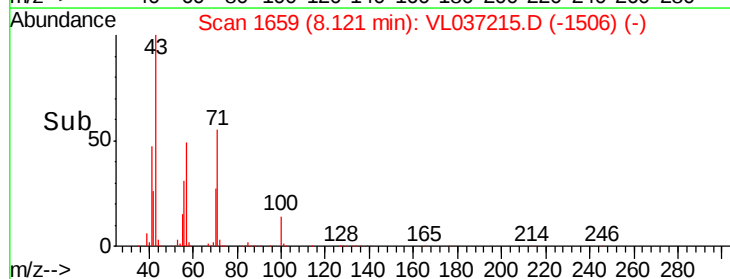
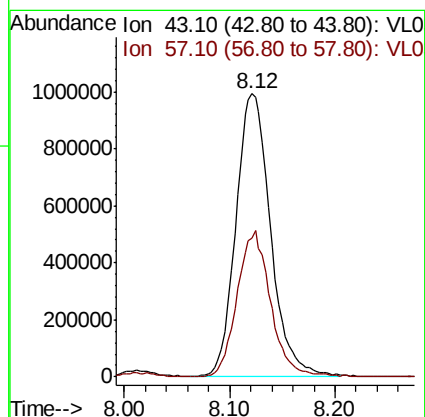
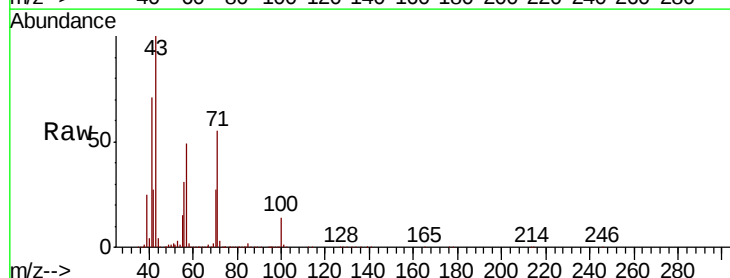
Acq: 17 Jun 2021 23:51

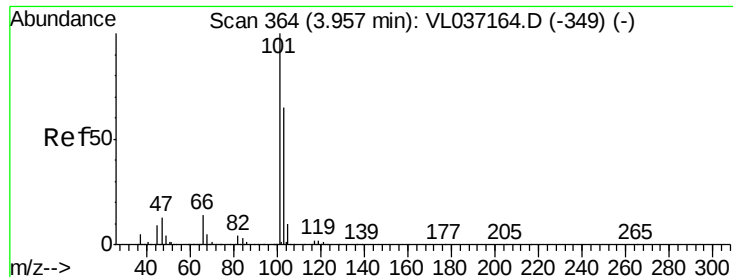
Tgt Ion: 43 Resp: 2248868

Ion Ratio Lower Upper

43 100

57 50.4 40.6 61.0

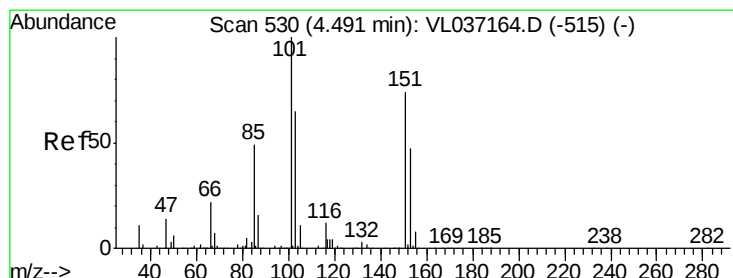
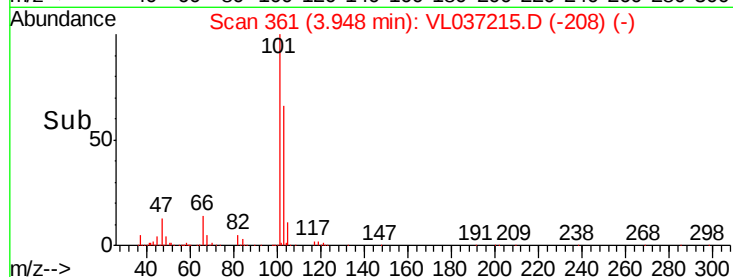
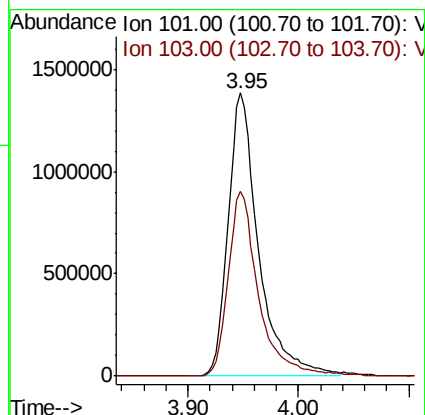
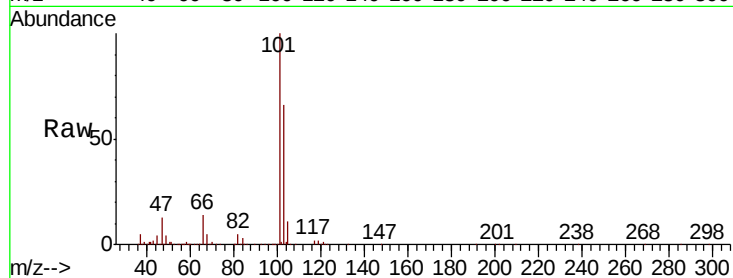




#11
 Trichlorofluoromethane
 Concen: 10.277 ppbv
 RT: 3.95 min Scan# 361
 Delta R.T. -0.01 min
 Lab File: VL037215.D
 Acq: 17 Jun 2021 23:51

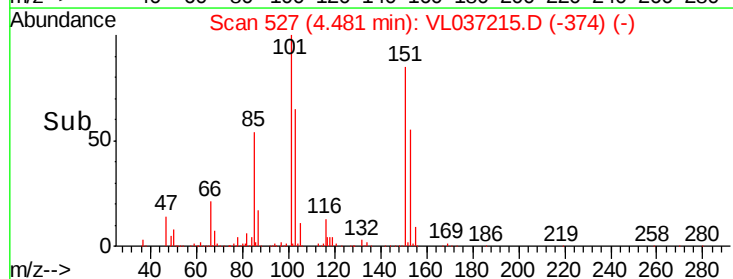
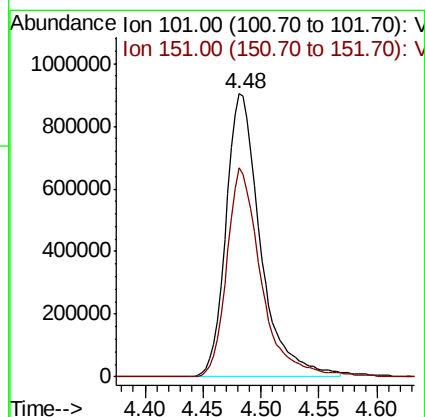
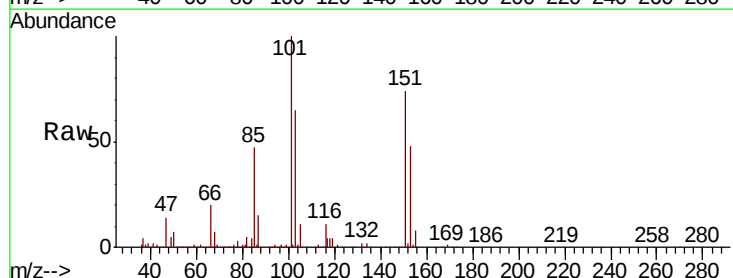
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

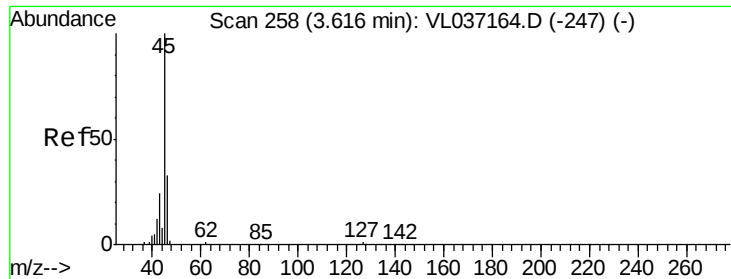
Tot Ion:101 Resp: 2649993
 Ion Ratio Lower Upper
 101 100
 103 65.5 52.2 78.4



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.276 ppbv
 RT: 4.48 min Scan# 527
 Delta R.T. -0.01 min
 Lab File: VL037215.D
 Acq: 17 Jun 2021 23:51

Tgt Ion:101 Resp: 1867851
 Ion Ratio Lower Upper
 101 100
 151 74.1 59.1 88.7

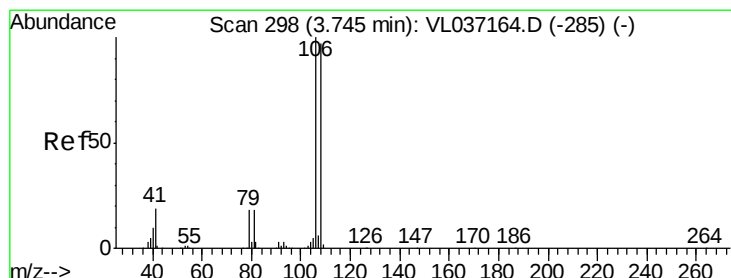
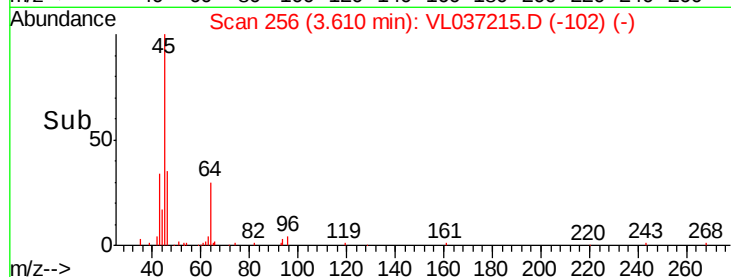
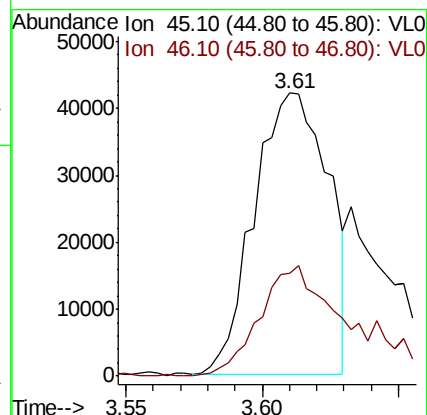
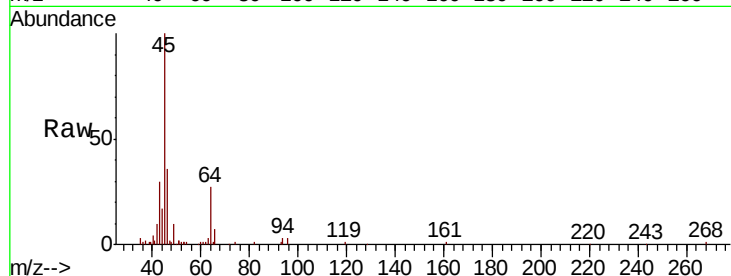




#13
Ethanol
Concen: 5.952 ppbv
RT: 3.61 min Scan# 256
Delta R.T. -0.01 min
Lab File: VL037215.D
Acq: 17 Jun 2021 23:51

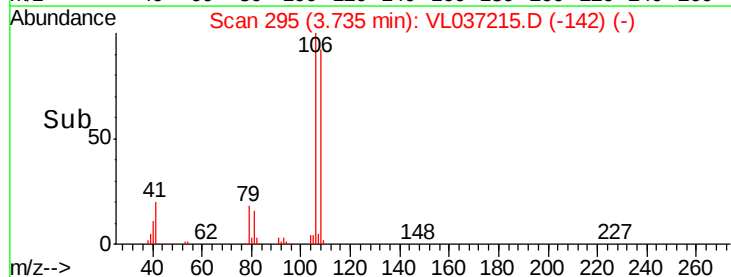
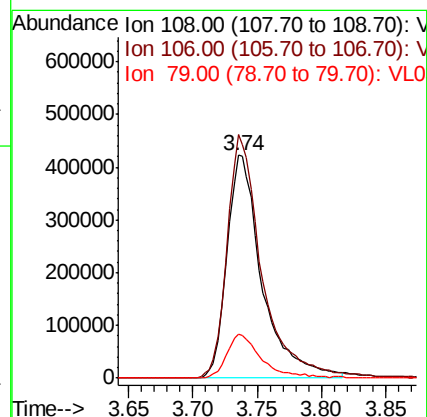
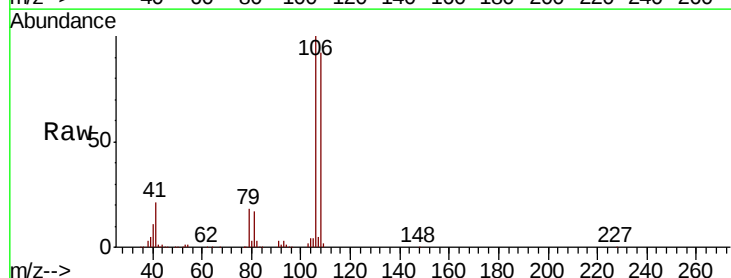
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

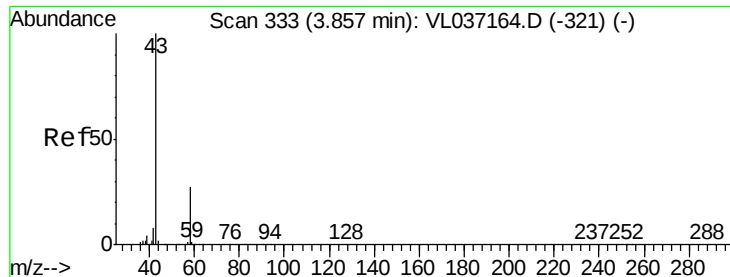
Tot Ion: 45 Resp: 79540
Ion Ratio Lower Upper
45 100
46 57.7 34.2 137.0



#14
Bromoethene
Concen: 10.544 ppbv
RT: 3.74 min Scan# 295
Delta R.T. -0.01 min
Lab File: VL037215.D
Acq: 17 Jun 2021 23:51

Tgt Ion: 108 Resp: 799959
Ion Ratio Lower Upper
108 100
106 109.7 86.8 130.2
79 19.8 15.6 23.4





#15

Acetone

Concen: 8.711 ppbv

RT: 3.85 min Scan# 331

Delta R.T. -0.01 min

Lab File: VL037215.D

Acq: 17 Jun 2021 23:51

Instrument :

MSVOA_L

ClientSampleId :

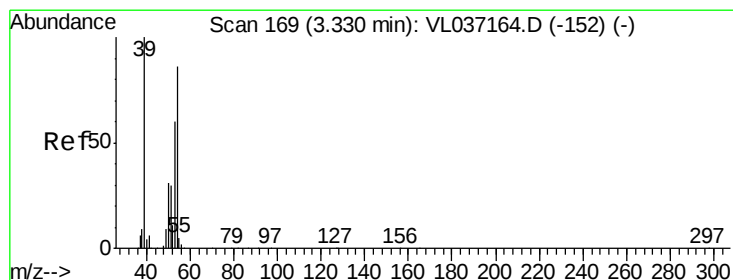
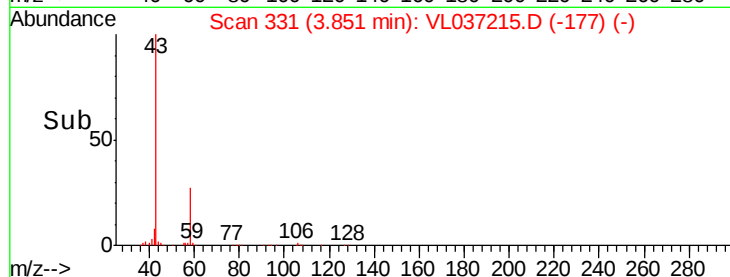
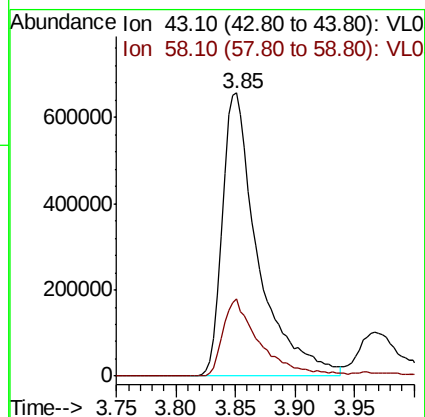
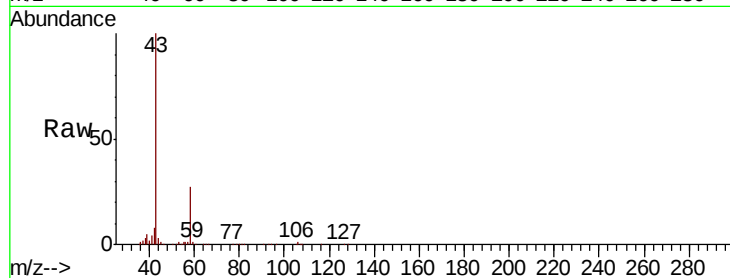
VSTDCCC010EC

Tot Ion: 43 Resp: 1364981

Ion Ratio Lower Upper

43 100

58 28.3 23.7 35.5



#16

1,3-Butadiene

Concen: 10.680 ppbv

RT: 3.32 min Scan# 167

Delta R.T. -0.01 min

Lab File: VL037215.D

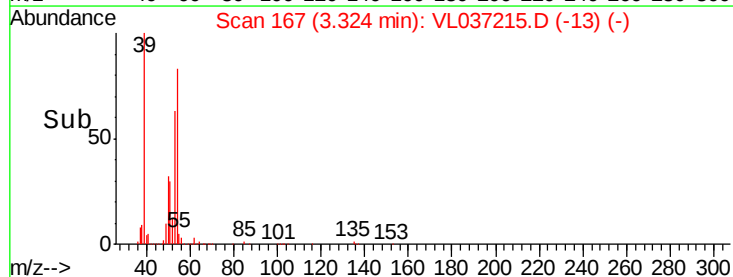
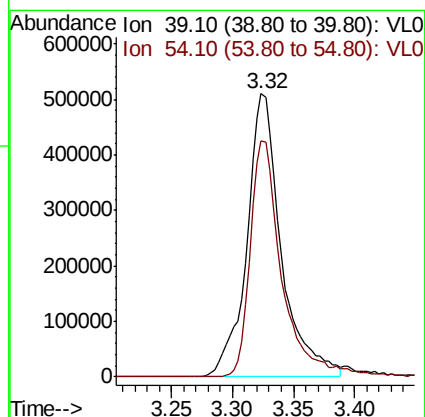
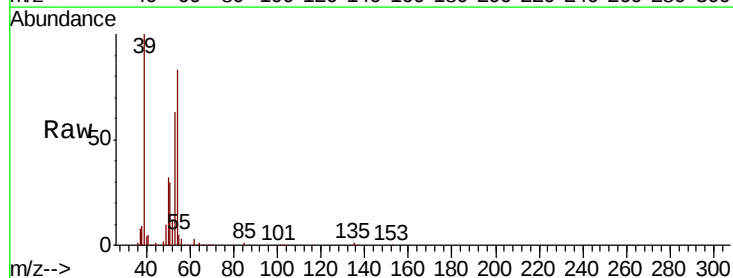
Acq: 17 Jun 2021 23:51

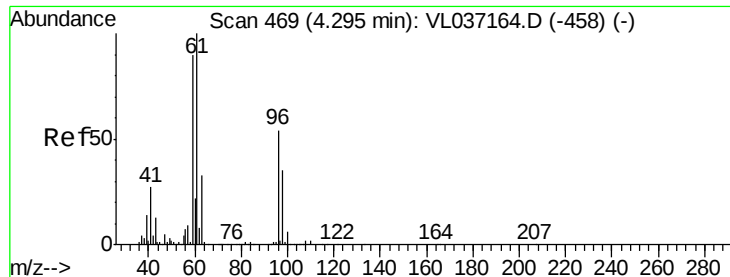
Tgt Ion: 39 Resp: 989320

Ion Ratio Lower Upper

39 100

54 77.8 61.2 91.8



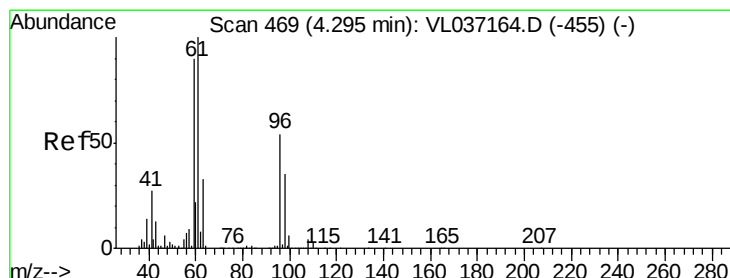
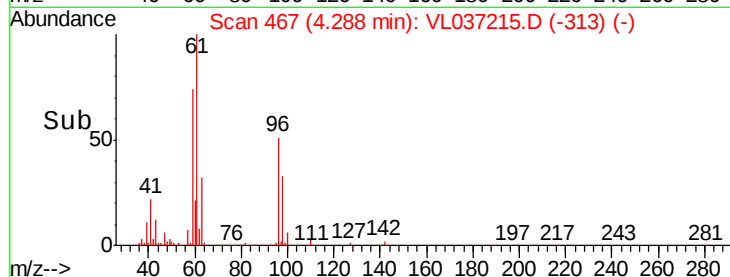
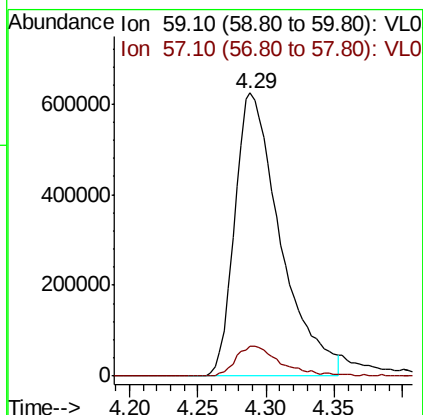
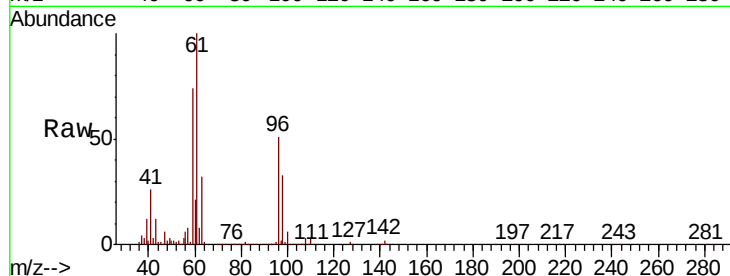


#17

tert-Butyl alcohol
Concen: 10.007 ppbv
RT: 4.29 min Scan# 467
Delta R.T. -0.01 min
Lab File: VL037215.D
Acq: 17 Jun 2021 23:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

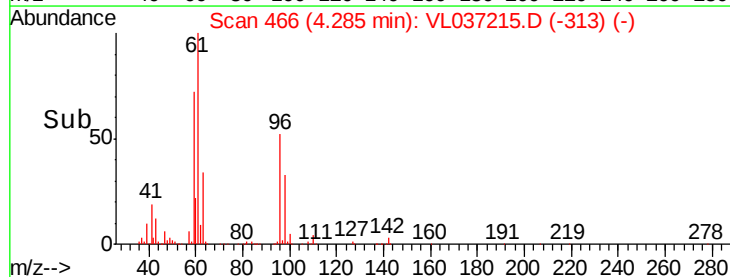
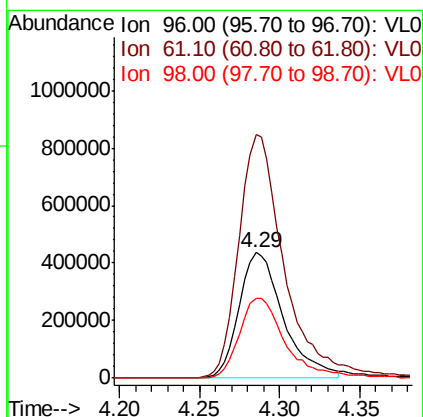
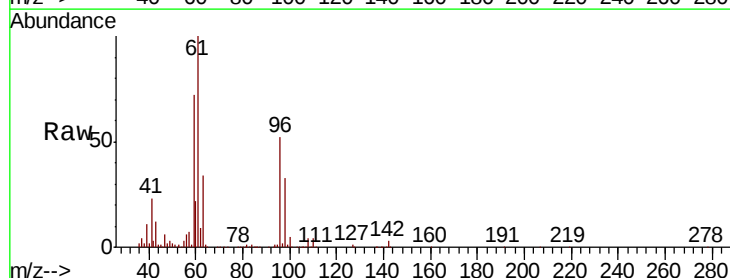
Tot Ion: 59 Resp: 1449228
Ion Ratio Lower Upper
59 100
57 11.0 8.8 13.2

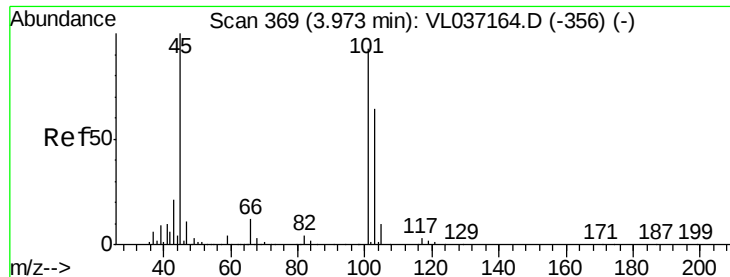


#18

1,1-Dichloroethene
Concen: 10.260 ppbv
RT: 4.29 min Scan# 466
Delta R.T. -0.01 min
Lab File: VL037215.D
Acq: 17 Jun 2021 23:51

Tgt Ion: 96 Resp: 826462
Ion Ratio Lower Upper
96 100
61 193.6 148.6 222.8
98 63.0 51.9 77.9





#19

Isopropyl Alcohol

Concen: 8.976 ppbv

RT: 3.97 min Scan# 367

Delta R.T. -0.01 min

Lab File: VL037215.D

Acq: 17 Jun 2021 23:51

Instrument :

MSVOA_L

ClientSampleId :

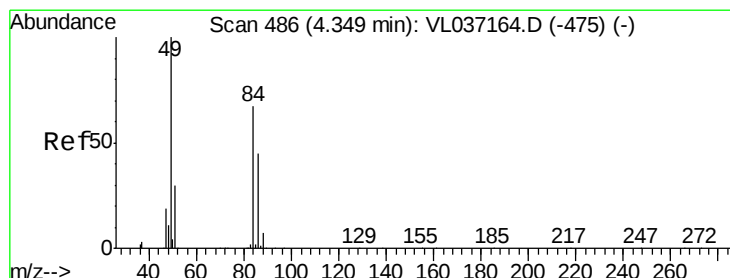
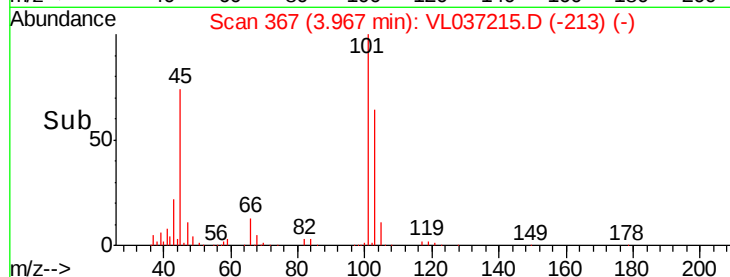
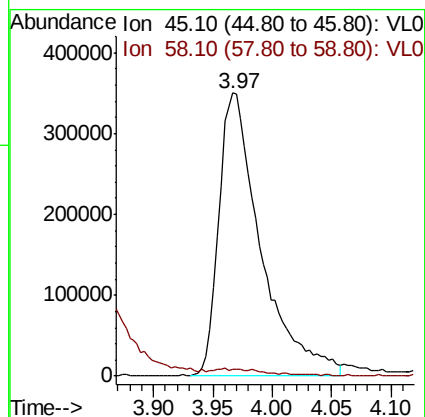
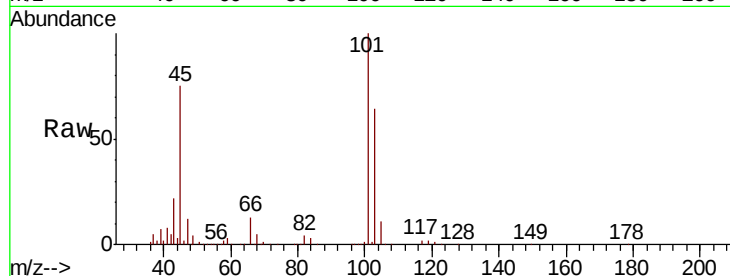
VSTDCCC010EC

Tot Ion: 45 Resp: 851863

Ion Ratio Lower Upper

45 100

58 3.8 2.4 3.6#



#20

Methylene Chloride

Concen: 7.434 ppbv

RT: 4.34 min Scan# 484

Delta R.T. -0.01 min

Lab File: VL037215.D

Acq: 17 Jun 2021 23:51

Tgt Ion: 84 Resp: 697349

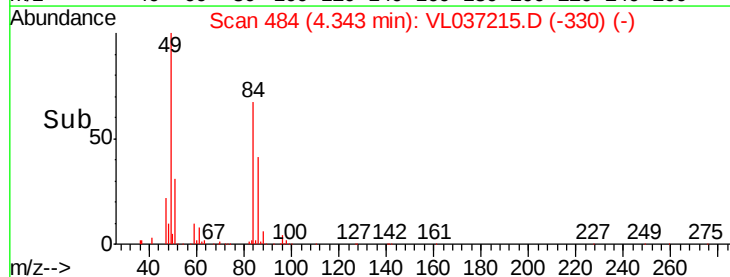
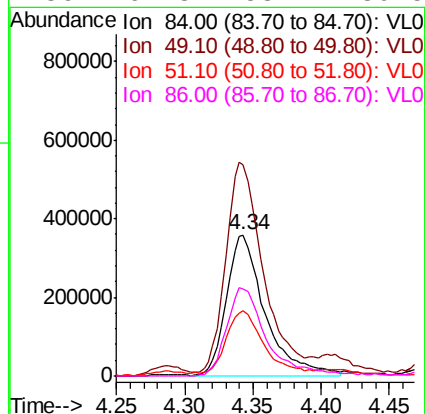
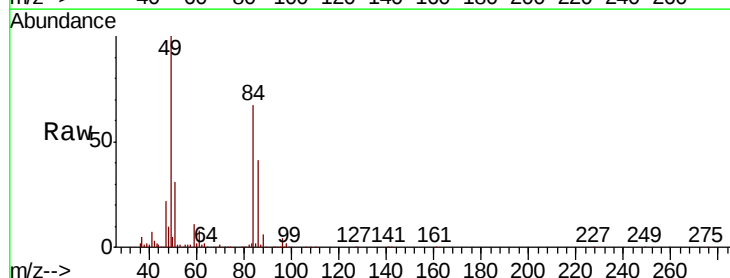
Ion Ratio Lower Upper

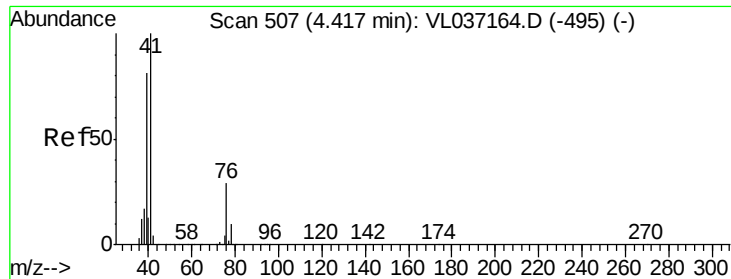
84 100

49 147.0 119.7 179.5

51 44.3 36.1 54.1

86 61.8 53.7 80.5





#21

Allvl Chloride

Concen: 10.708 ppbv

RT: 4.41 min Scan# 505

Delta R.T. -0.01 min

Lab File: VL037215.D

Acq: 17 Jun 2021 23:51

Instrument :

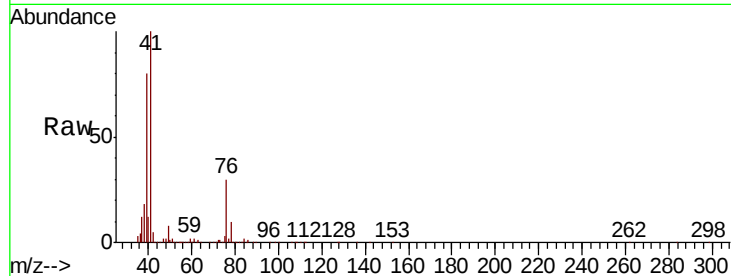
MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 41 Resp: 1264717

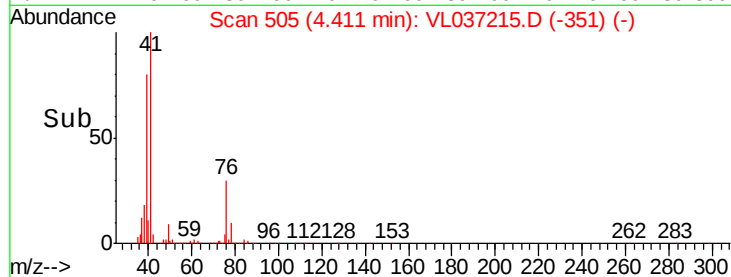
Ion	Ratio	Lower	Upper
41	100		
76	30.3	24.6	37.0
39	81.5	65.4	98.0



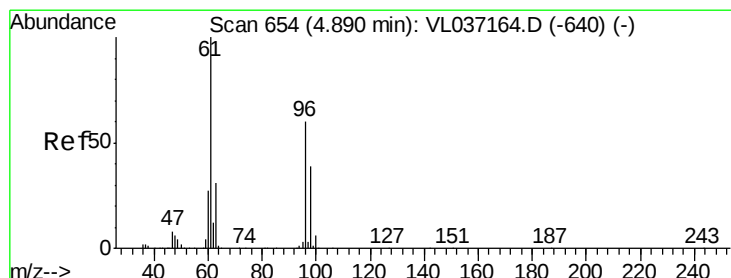
Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 76.10 (75.80 to 76.80): VL0

Ion 39.10 (38.80 to 39.80): VL0



Time-->



#22

trans-1,2-Dichloroethene

Concen: 10.323 ppbv

RT: 4.88 min Scan# 652

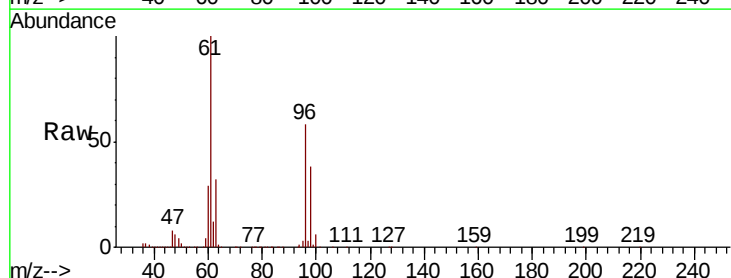
Delta R.T. -0.01 min

Lab File: VL037215.D

Acq: 17 Jun 2021 23:51

Tgt Ion: 96 Resp: 822840

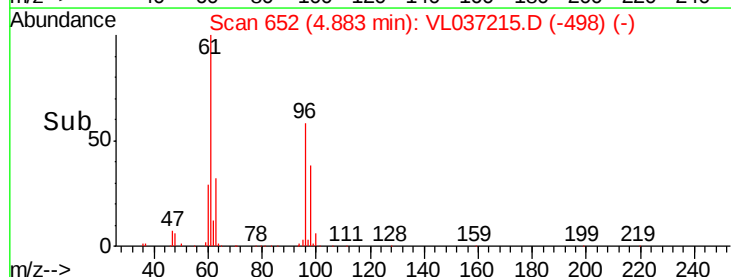
Ion	Ratio	Lower	Upper
96	100		
61	172.6	133.9	200.9
98	66.4	52.9	79.3



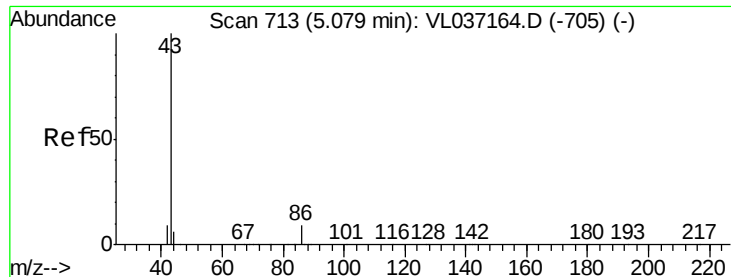
Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



Time-->



#23

Vinyl Acetate

Concen: 11.351 ppbv

RT: 5.07 min Scan# 711

Delta R.T. -0.01 min

Lab File: VL037215.D

Acq: 17 Jun 2021 23:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 2550454

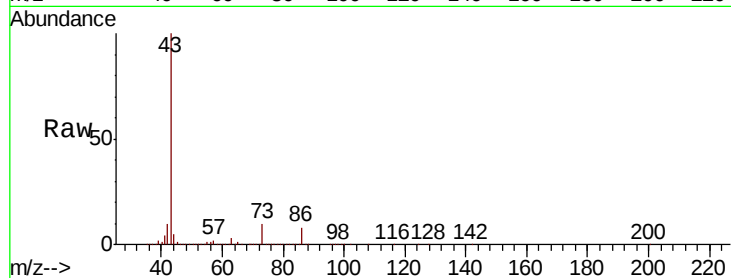
Ion Ratio Lower Upper

43 100

86 7.8 5.8 8.8

42 9.5 8.2 12.2

44 4.4 4.2 6.4

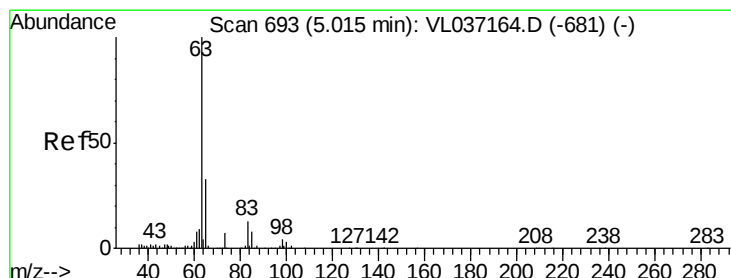
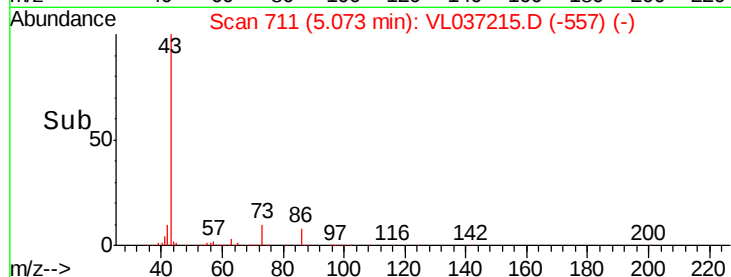
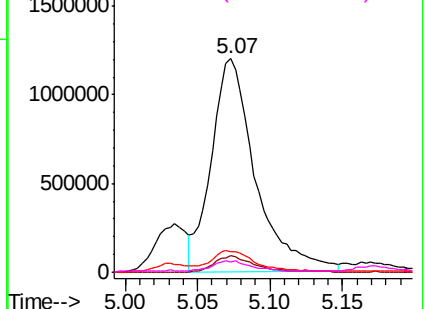


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 10.653 ppbv

RT: 5.01 min Scan# 691

Delta R.T. -0.01 min

Lab File: VL037215.D

Acq: 17 Jun 2021 23:51

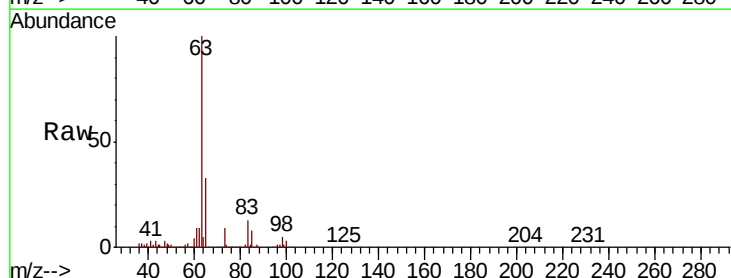
Tgt Ion: 63 Resp: 1927061

Ion Ratio Lower Upper

63 100

98 4.5 2.1 6.5

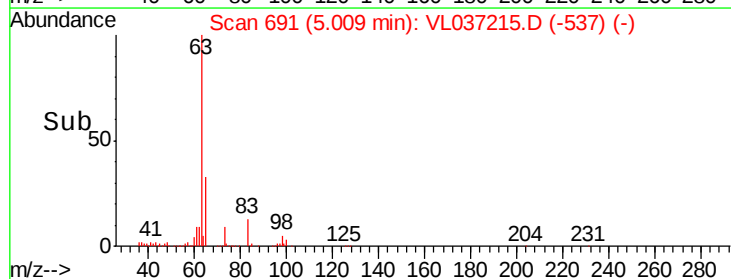
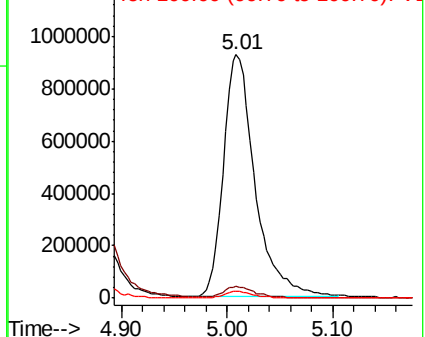
100 2.7 1.4 4.0

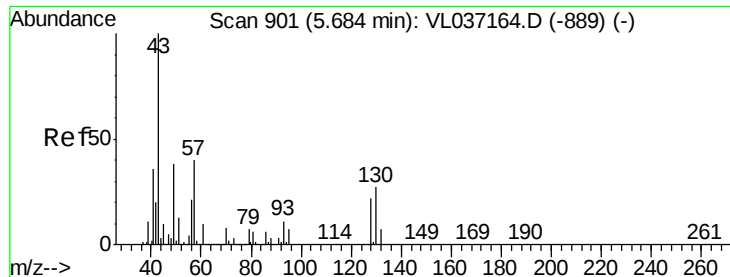


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

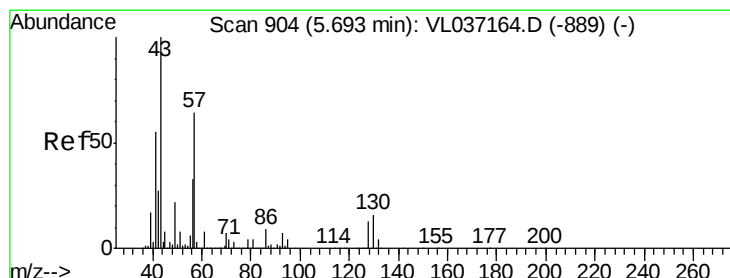
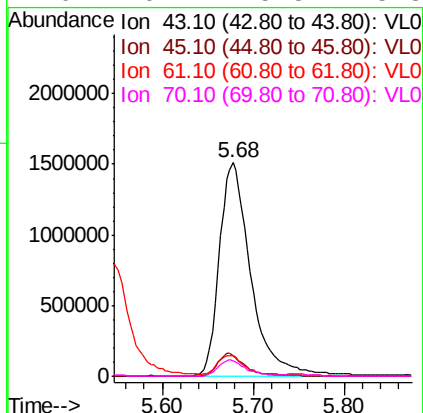
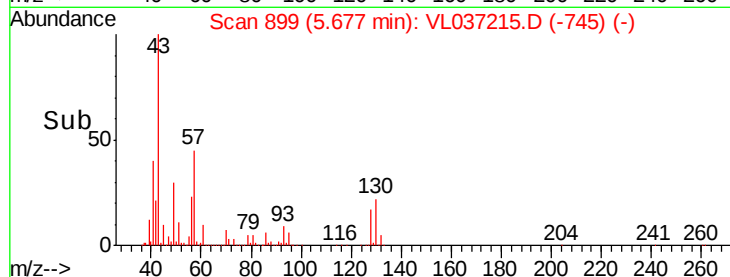
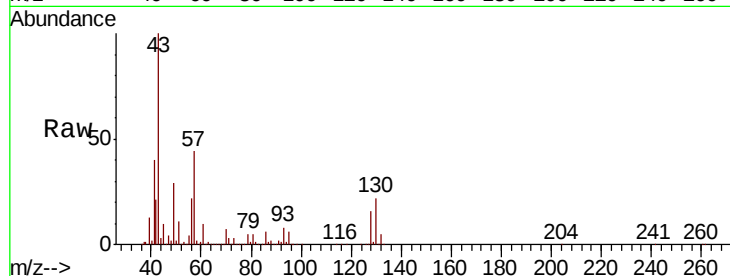




#25
Ethyl Acetate
Concen: 10.614 ppbv
RT: 5.68 min Scan# 899
Delta R.T. -0.01 min
Lab File: VL037215.D
Acq: 17 Jun 2021 23:51

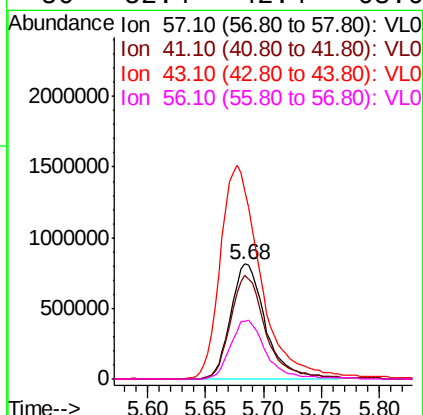
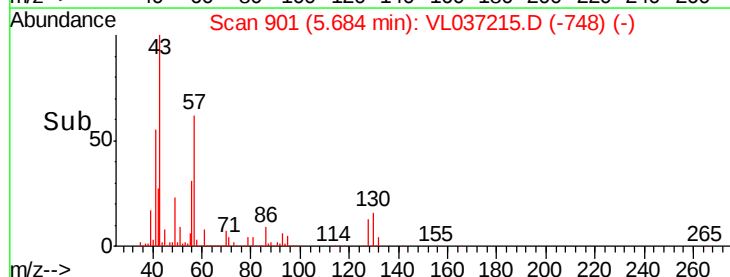
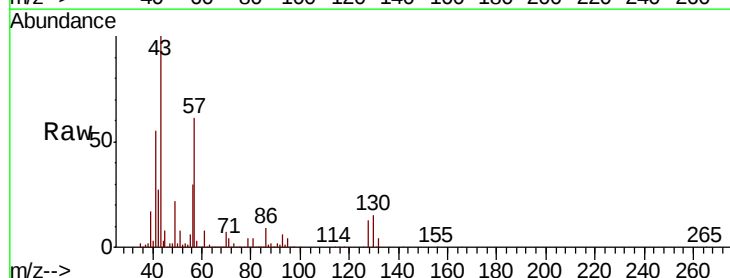
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

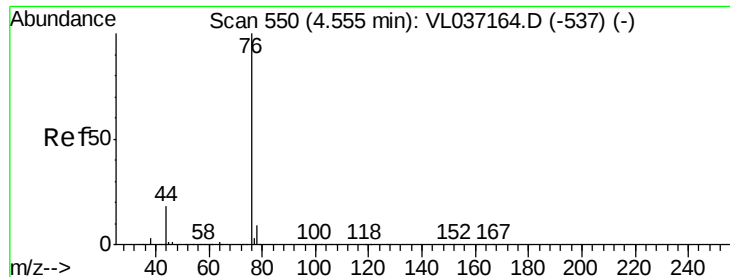
Tot Ion:	43	Resp:	3600541
Ion	Ratio	Lower	Upper
43	100		
45	9.7	8.0	12.0
61	9.5	8.1	12.1
70	6.7	5.5	8.3



#26
Hexane
Concen: 9.907 ppbv
RT: 5.68 min Scan# 901
Delta R.T. -0.01 min
Lab File: VL037215.D
Acq: 17 Jun 2021 23:51

Tgt Ion:	57	Resp:	1698556
Ion	Ratio	Lower	Upper
57	100		
41	91.8	73.5	110.3
43	214.7	170.7	256.1
56	52.4	42.4	63.6





#27

Carbon Disulfide

Concen: 11.347 ppbv

RT: 4.55 min Scan# 548

Delta R.T. -0.01 min

Lab File: VL037215.D

Acq: 17 Jun 2021 23:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

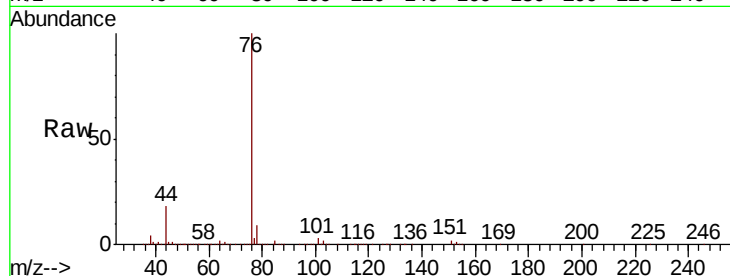
Tot Ion: 76 Resp: 1906179

Ion Ratio Lower Upper

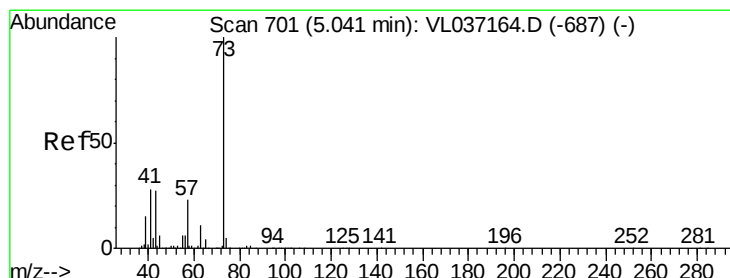
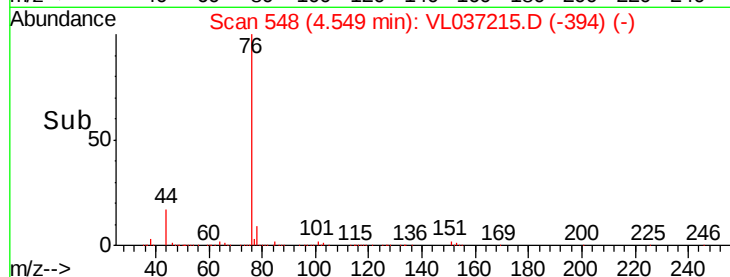
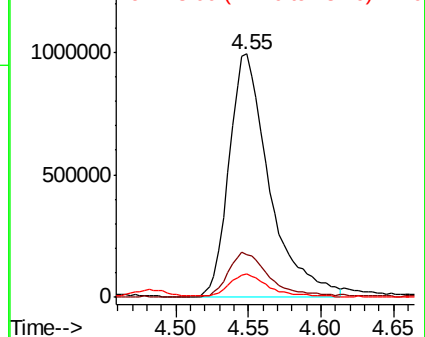
76 100

44 19.6 15.4 23.2

78 9.9 8.0 12.0



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



#28

Methyl tert-Butyl Ether

Concen: 10.649 ppbv

RT: 5.03 min Scan# 698

Delta R.T. -0.01 min

Lab File: VL037215.D

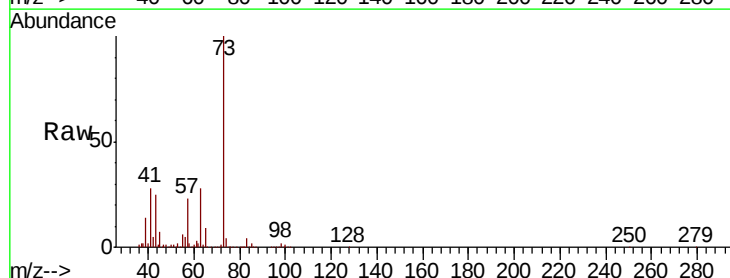
Acq: 17 Jun 2021 23:51

Tgt Ion: 73 Resp: 2195053

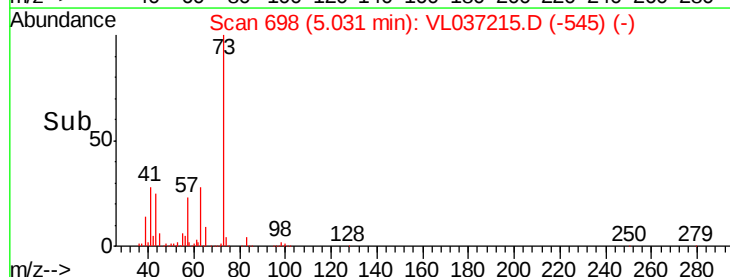
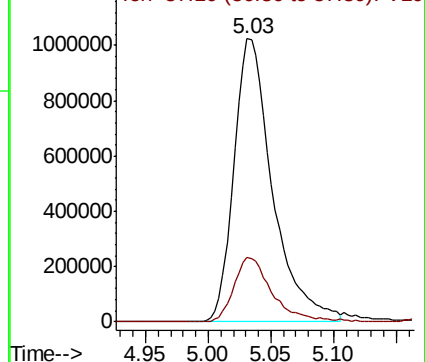
Ion Ratio Lower Upper

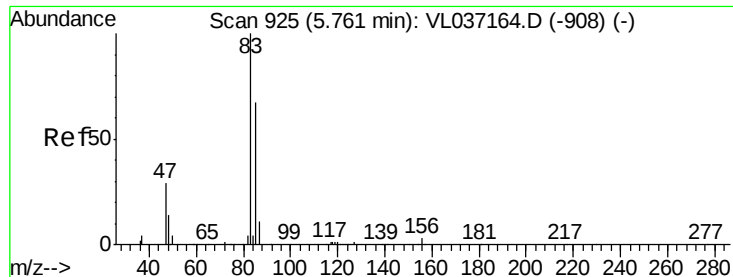
73 100

57 22.8 18.0 27.0



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





#29

Chloroform

Concen: 10.208 ppbv

RT: 5.75 min Scan# 922

Delta R.T. -0.01 min

Lab File: VL037215.D

Acq: 17 Jun 2021 23:51

Instrument :

MSVOA_L

ClientSampleId :

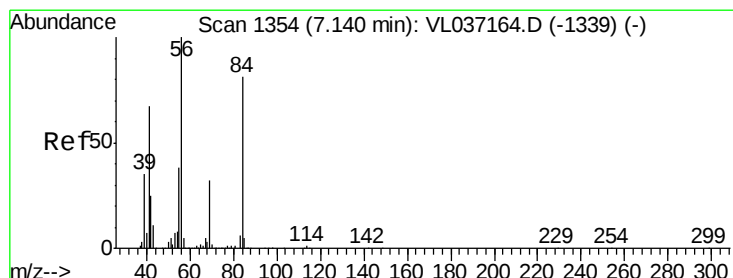
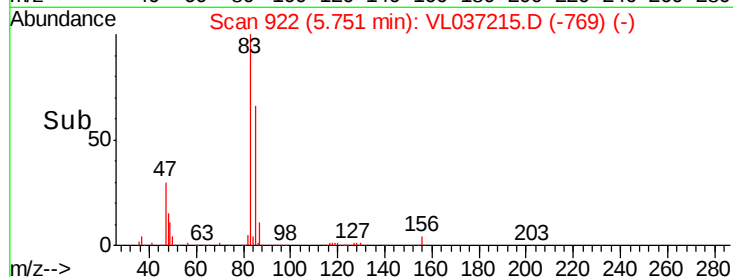
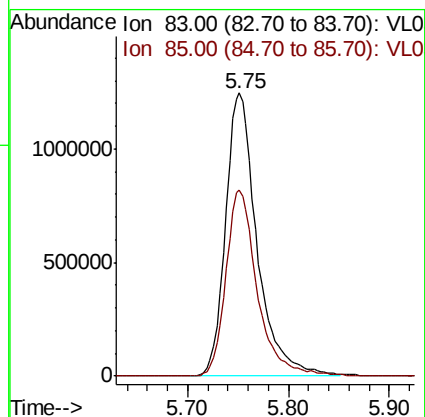
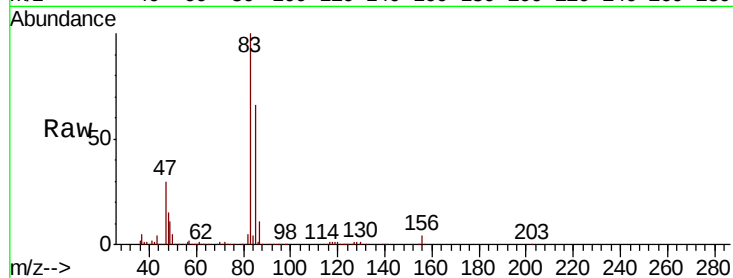
VSTDCCC010EC

Tot Ion: 83 Resp: 2703698

Ion Ratio Lower Upper

83 100

85 65.4 53.6 80.4



#30

Cyclohexane

Concen: 10.329 ppbv

RT: 7.13 min Scan# 1350

Delta R.T. -0.01 min

Lab File: VL037215.D

Acq: 17 Jun 2021 23:51

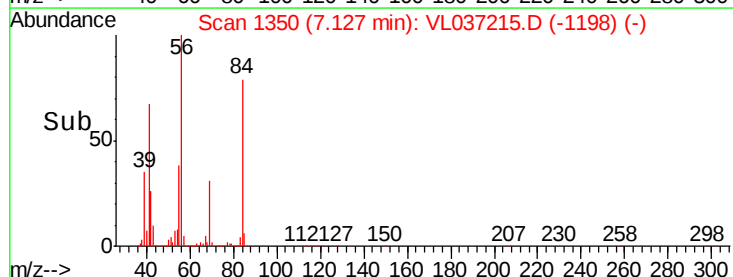
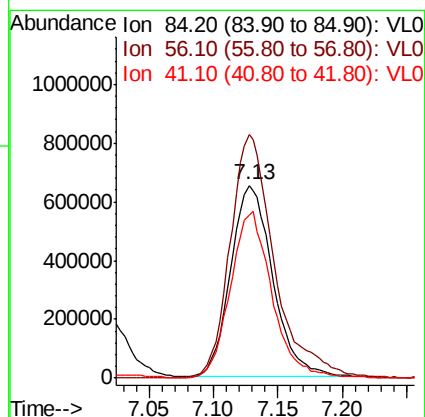
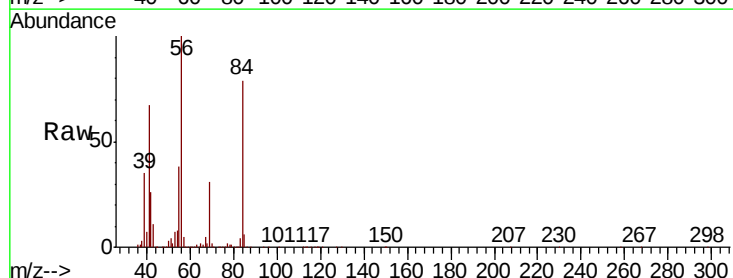
Tgt Ion: 84 Resp: 1475517

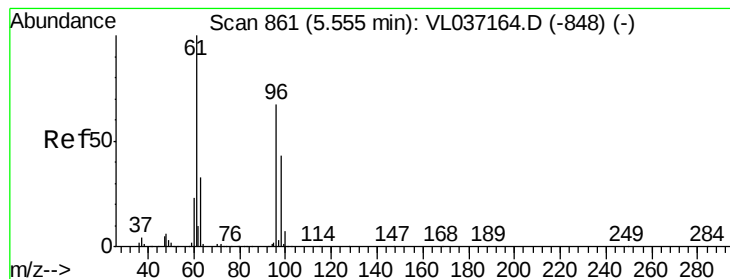
Ion Ratio Lower Upper

84 100

56 135.1 107.7 161.5

41 85.8 69.0 103.6





#31

cis-1,2-Dichloroethene

Concen: 10.800 ppbv

RT: 5.55 min Scan# 858

Delta R.T. -0.01 min

Lab File: VL037215.D

Acq: 17 Jun 2021 23:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

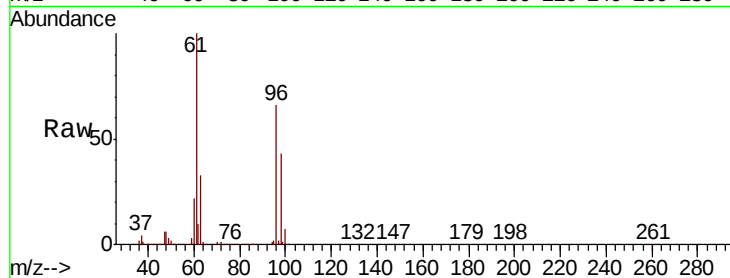
Tot Ion: 61 Resp: 1701541

Ion Ratio Lower Upper

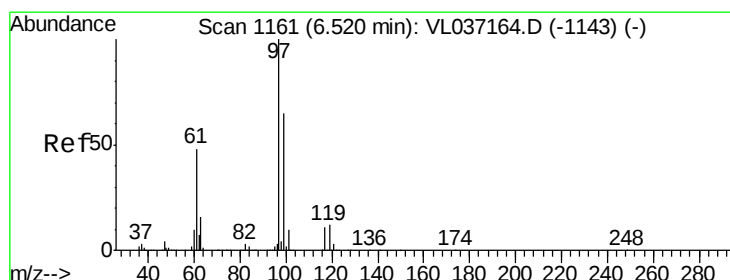
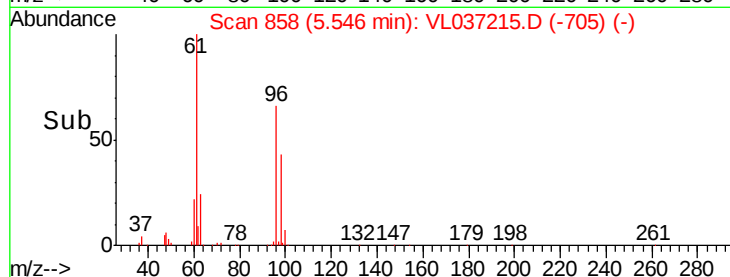
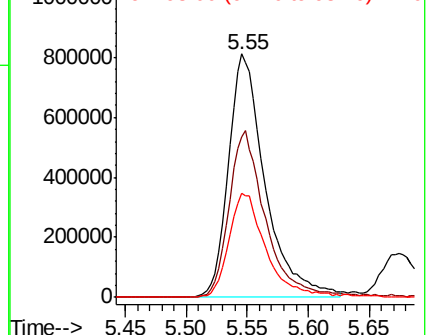
61 100

96 65.7 53.6 80.4

98 42.7 34.7 52.1



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: 9.761 ppbv

RT: 6.51 min Scan# 1158

Delta R.T. -0.01 min

Lab File: VL037215.D

Acq: 17 Jun 2021 23:51

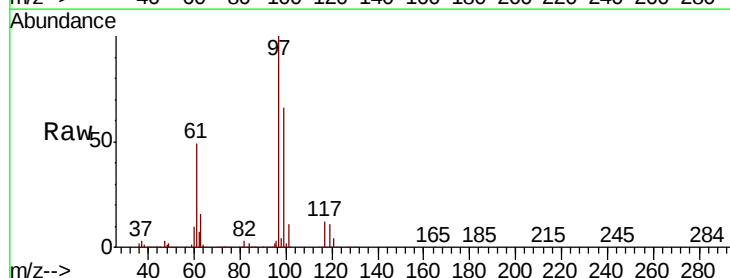
Tgt Ion: 97 Resp: 2766495

Ion Ratio Lower Upper

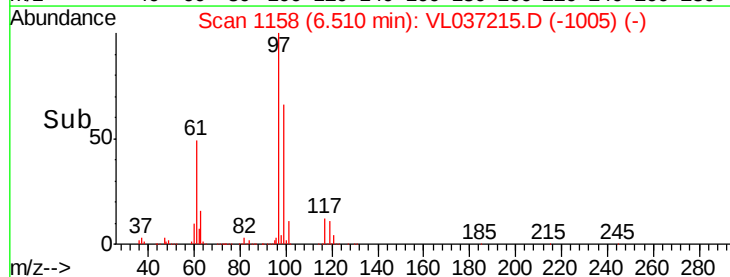
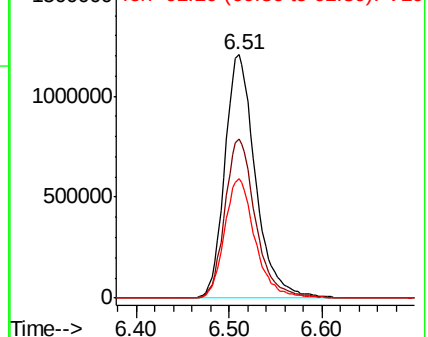
97 100

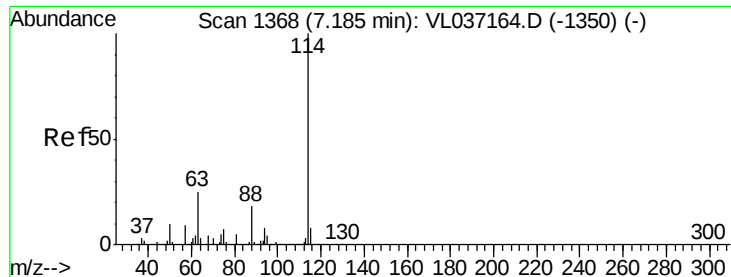
99 65.7 52.2 78.4

61 49.3 38.8 58.2



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

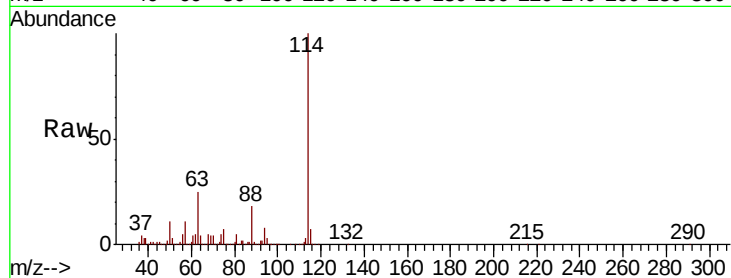




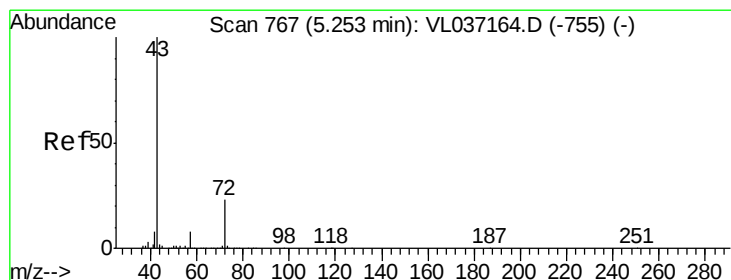
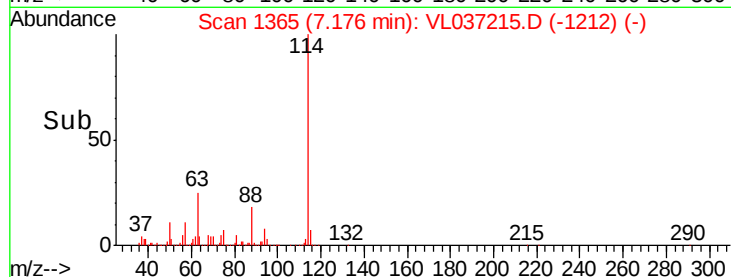
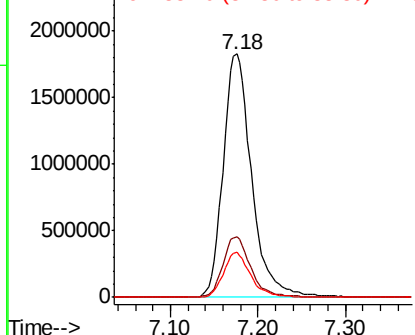
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T. -0.01 min
 Lab File: VL037215.D
 Acq: 17 Jun 2021 23:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:114 Resp: 4131090
 Ion Ratio Lower Upper
 114 100
 63 24.8 19.6 29.4
 88 17.8 14.2 21.2

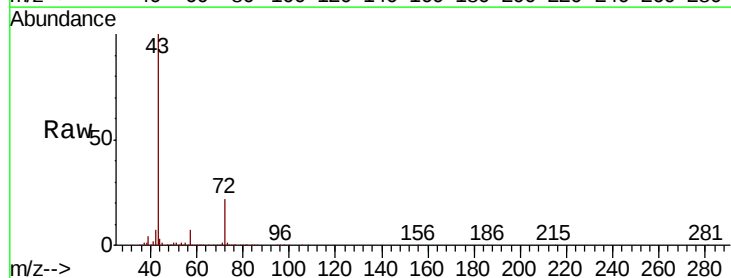


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

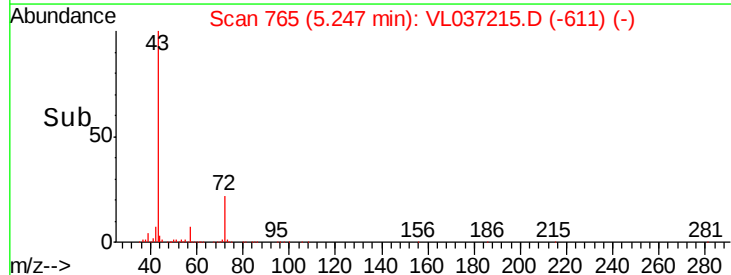
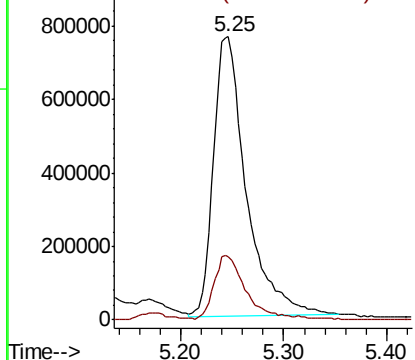


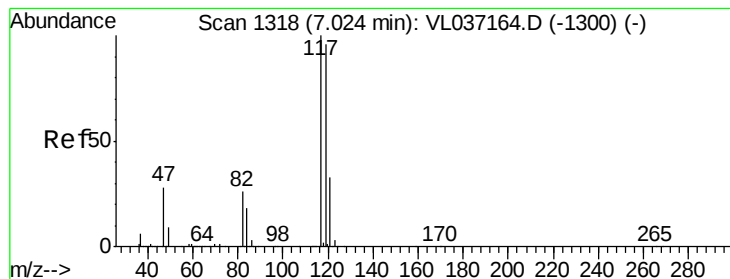
#34
 2-Butanone
 Concen: 10.473 ppbv
 RT: 5.25 min Scan# 765
 Delta R.T. -0.01 min
 Lab File: VL037215.D
 Acq: 17 Jun 2021 23:51

Tgt Ion: 43 Resp: 1682647
 Ion Ratio Lower Upper
 43 100
 72 23.1 18.9 28.3



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





#35

Carbon Tetrachloride

Concen: 10.560 ppbv

RT: 7.02 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VL037215.D

Acq: 17 Jun 2021 23:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

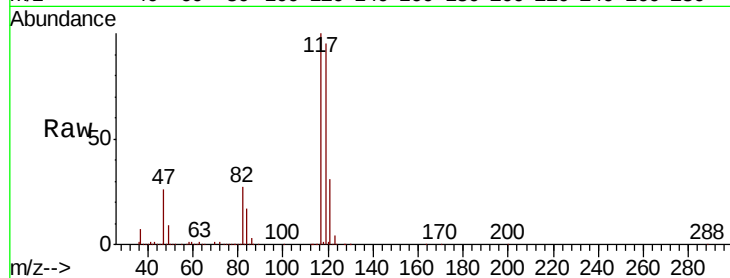
Tot Ion:117 Resp: 2926054

Ion Ratio Lower Upper

117 100

119 94.7 76.6 114.8

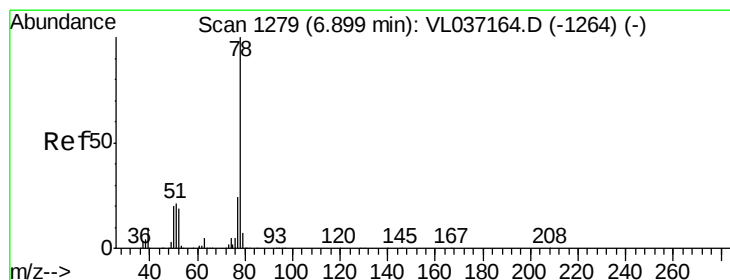
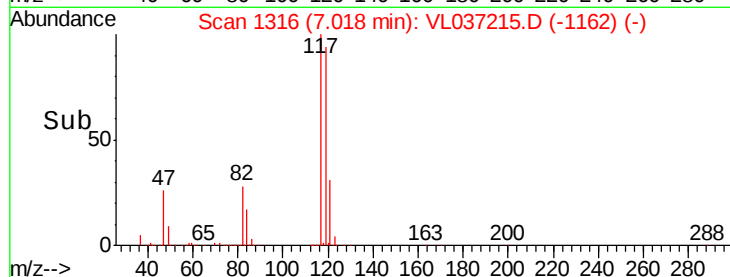
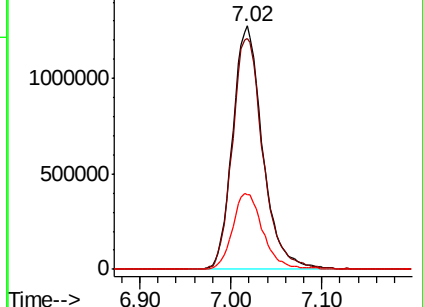
121 30.8 26.4 39.6



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: 10.579 ppbv

RT: 6.89 min Scan# 1276

Delta R.T. -0.01 min

Lab File: VL037215.D

Acq: 17 Jun 2021 23:51

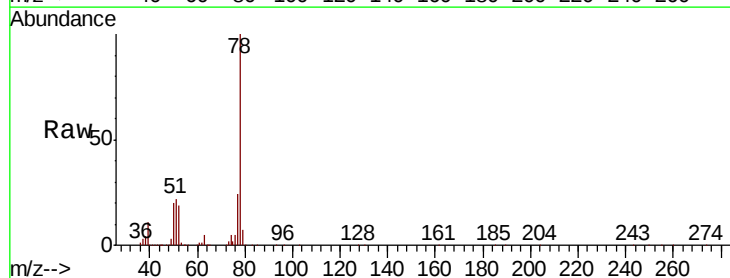
Tgt Ion: 78 Resp: 3533832

Ion Ratio Lower Upper

78 100

77 24.1 19.0 28.6

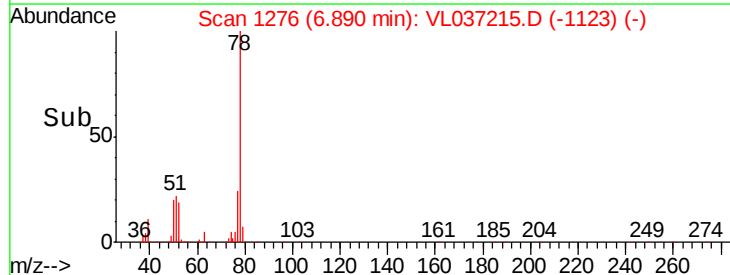
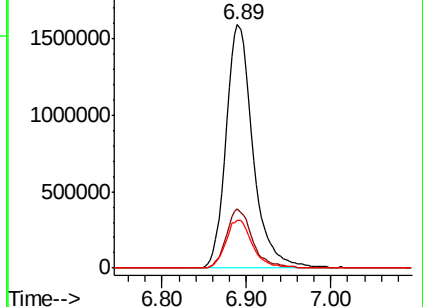
50 19.6 15.7 23.5

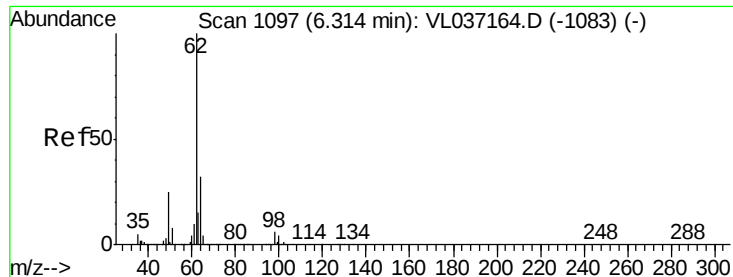


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

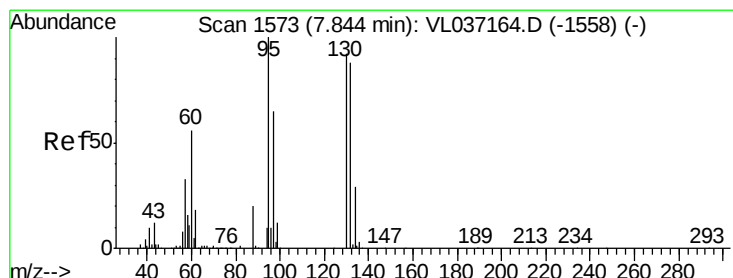
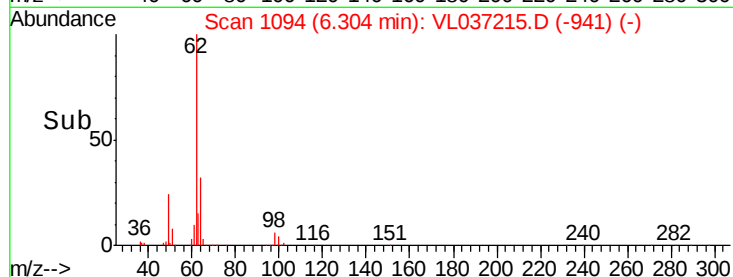
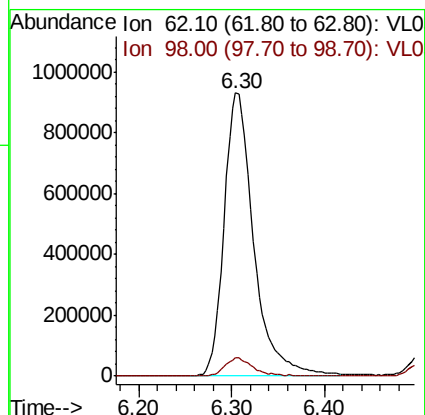
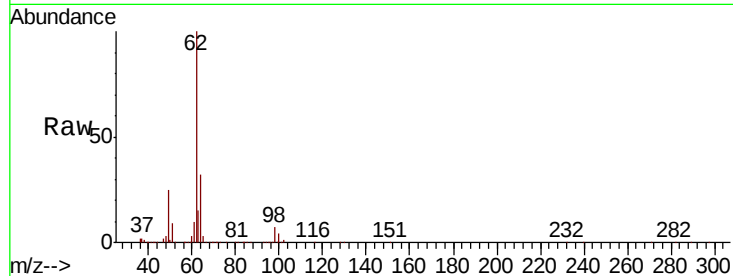




#37
 1,2-Dichloroethane
 Concen: 10.653 ppbv
 RT: 6.30 min Scan# 1094
 Delta R.T. -0.01 min
 Lab File: VL037215.D
 Acq: 17 Jun 2021 23:51

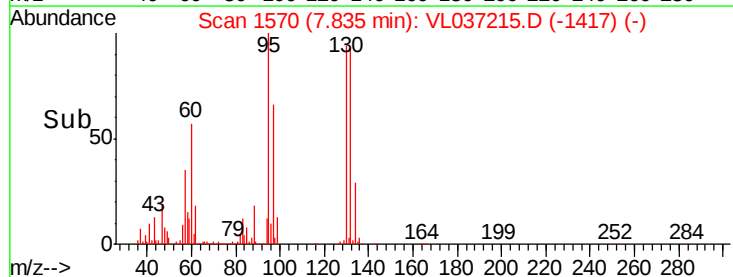
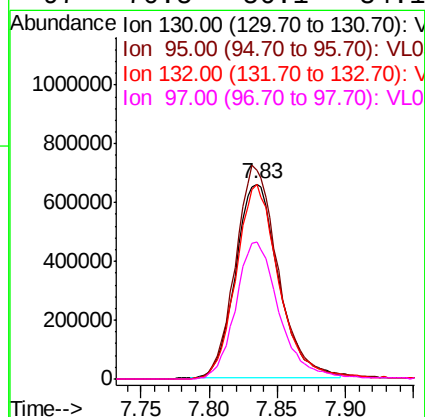
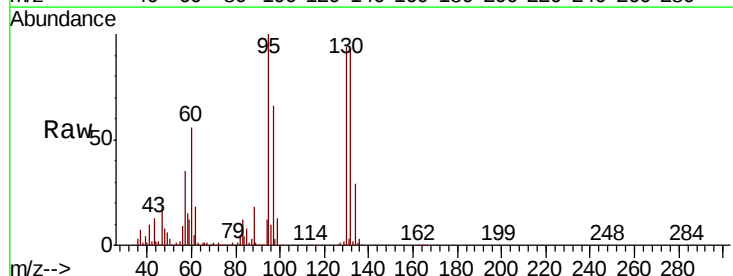
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

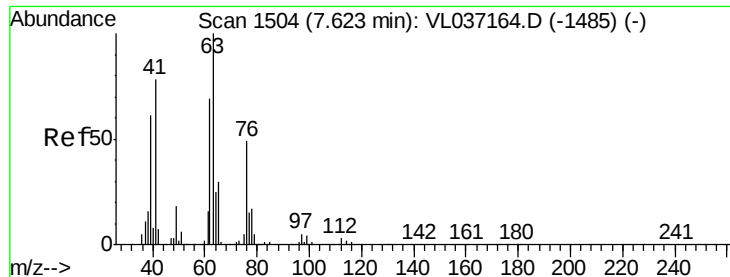
Tot Ion: 62 Resp: 2067188
 Ion Ratio Lower Upper
 62 100
 98 6.4 5.0 7.6



#38
 Trichloroethene
 Concen: 9.200 ppbv
 RT: 7.83 min Scan# 1570
 Delta R.T. -0.01 min
 Lab File: VL037215.D
 Acq: 17 Jun 2021 23:51

Tgt Ion:130 Resp: 1460788
 Ion Ratio Lower Upper
 130 100
 95 107.0 86.6 129.8
 132 99.7 76.6 114.8
 97 70.5 56.1 84.1





#39

1,2-Dichloropropane

Concen: 10.919 ppbv

RT: 7.61 min Scan# 1501

Delta R.T. -0.01 min

Lab File: VL037215.D

Acq: 17 Jun 2021 23:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

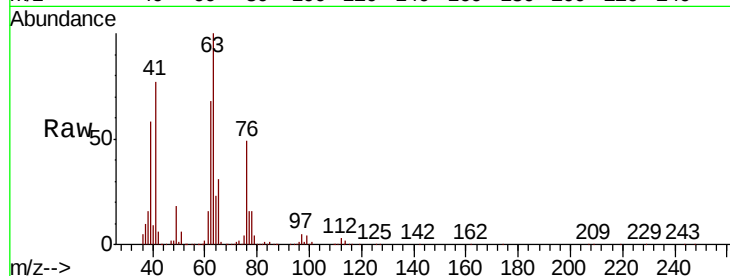
Tot Ion: 63 Resp: 1355447

Ion Ratio Lower Upper

63 100

41 76.1 62.0 93.0

62 68.4 54.9 82.3

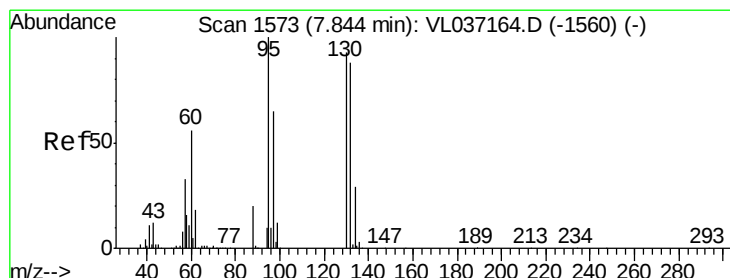
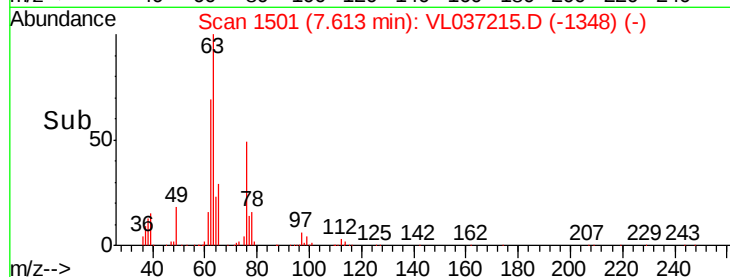
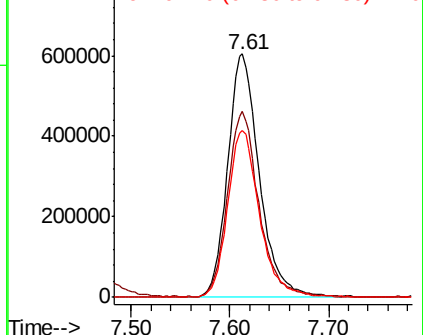


Abundance

Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 9.649 ppbv

RT: 7.83 min Scan# 1569

Delta R.T. -0.01 min

Lab File: VL037215.D

Acq: 17 Jun 2021 23:51

Tgt Ion: 88 Resp: 328442

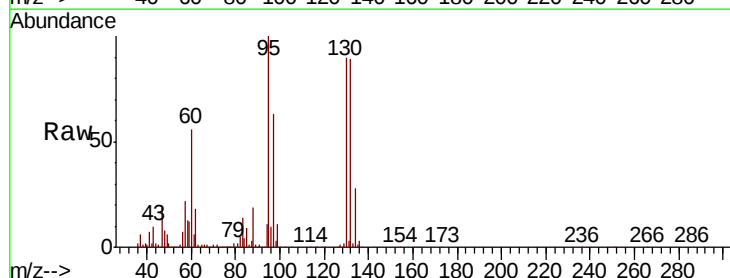
Ion Ratio Lower Upper

88 100

58 161.9 118.4 177.6

43 402.5 284.0 426.0

57 1769.4 1231.8 1847.6



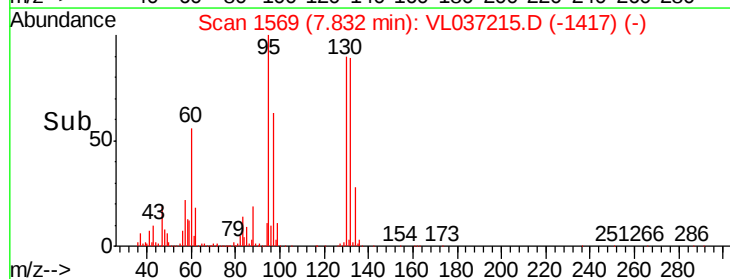
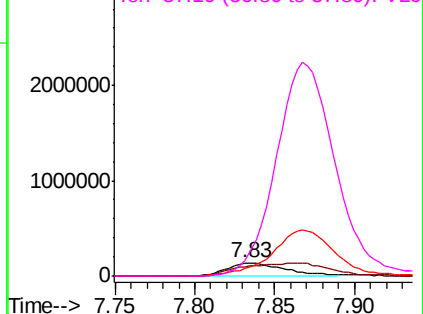
Abundance

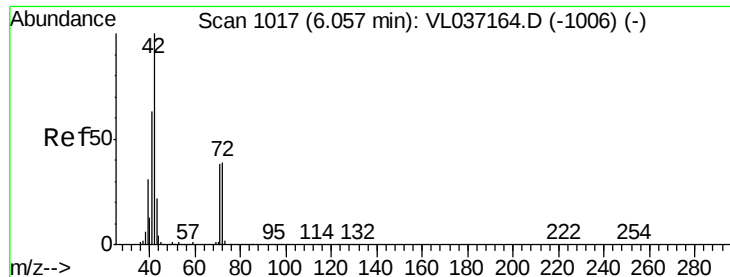
Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#41

Tetrahydrofuran

Concen: 11.131 ppbv

RT: 6.05 min Scan# 1014

Delta R.T. -0.01 min

Lab File: VL037215.D

Acq: 17 Jun 2021 23:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

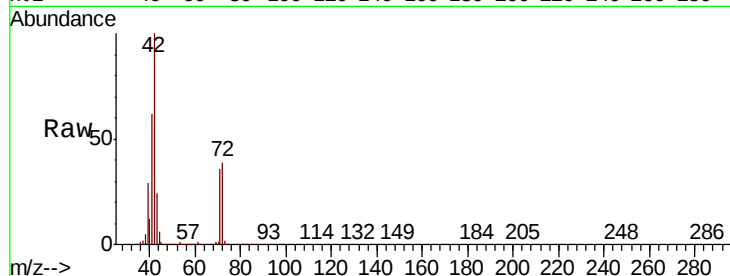
Tot Ion: 42 Resp: 830675

Ion Ratio Lower Upper

42 100

72 40.0 33.0 49.4

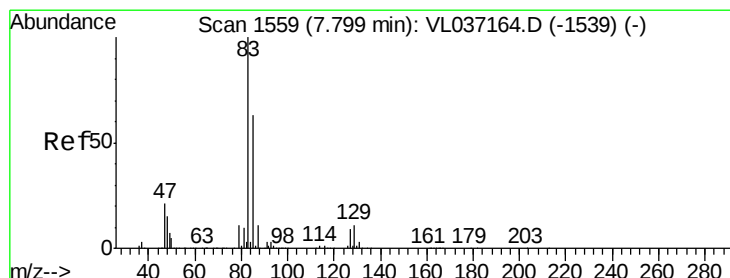
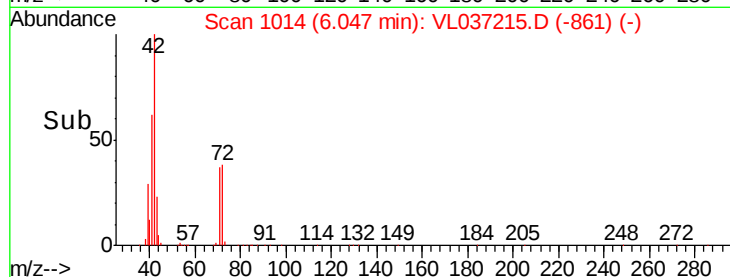
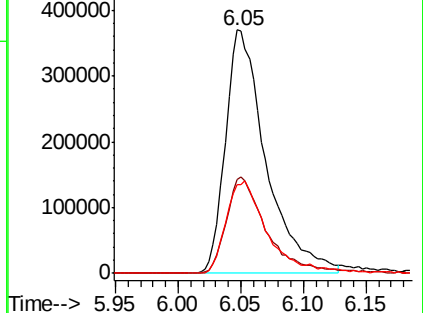
71 39.4 31.0 46.6



Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 10.749 ppbv

RT: 7.79 min Scan# 1556

Delta R.T. -0.01 min

Lab File: VL037215.D

Acq: 17 Jun 2021 23:51

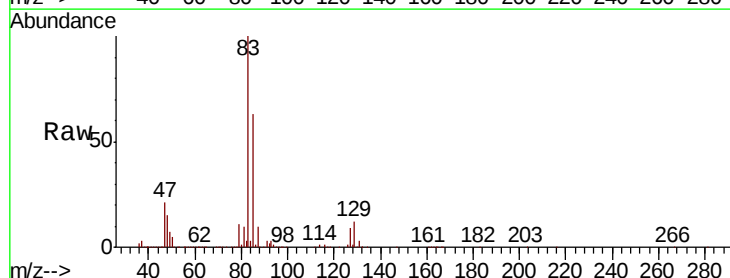
Tgt Ion: 83 Resp: 2877629

Ion Ratio Lower Upper

83 100

85 63.4 50.8 76.2

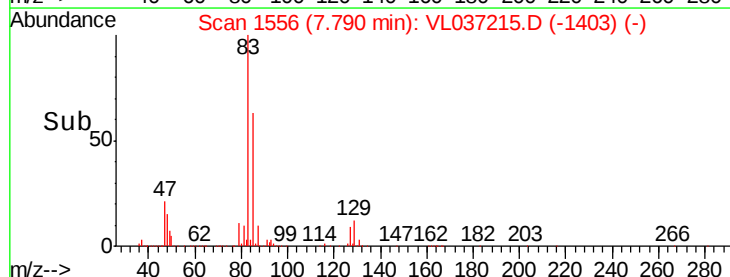
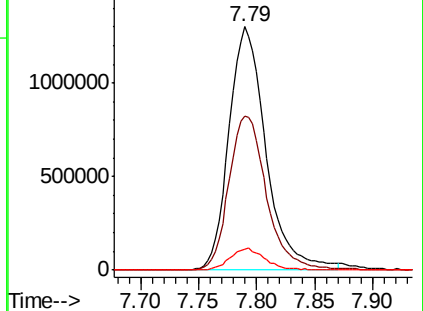
127 8.6 7.0 10.6

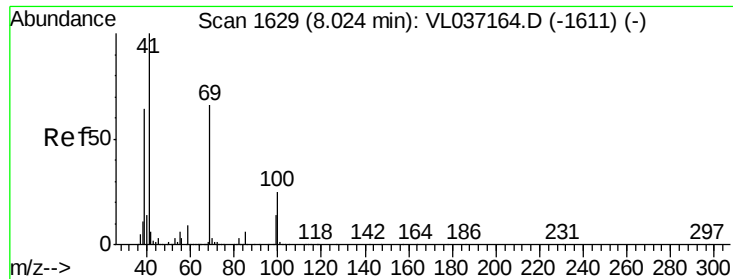


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V

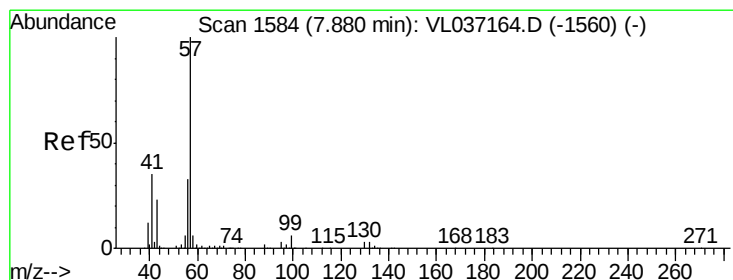
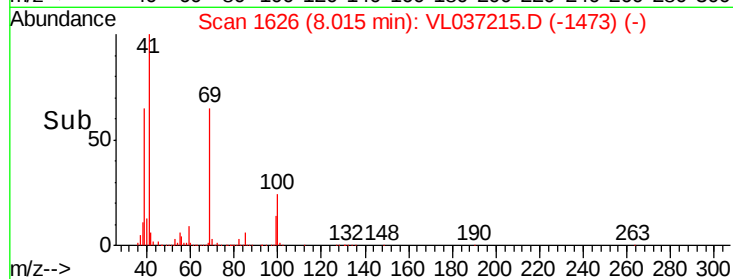
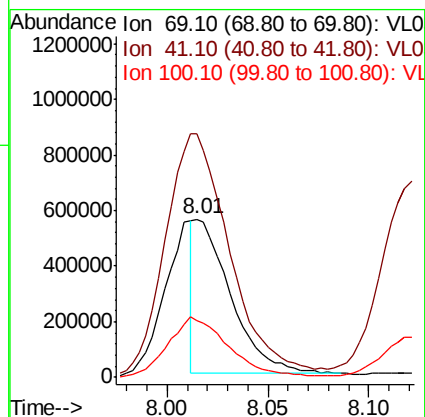
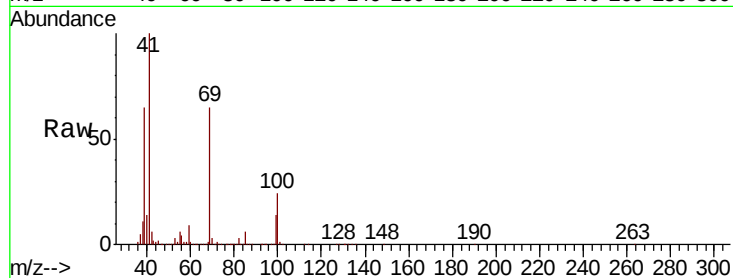




#43
Methyl Methacrylate
Concen: 5.958 ppbv
RT: 8.01 min Scan# 1626
Delta R.T. -0.01 min
Lab File: VL037215.D
Acq: 17 Jun 2021 23:51

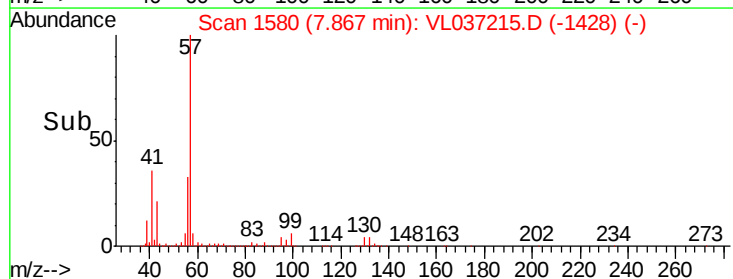
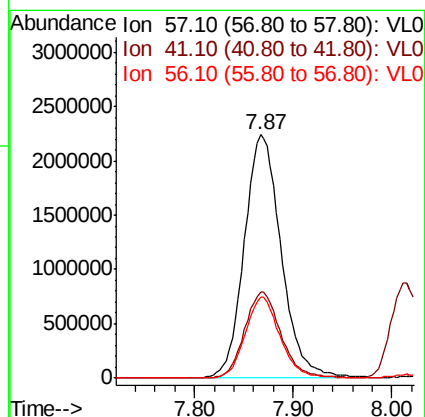
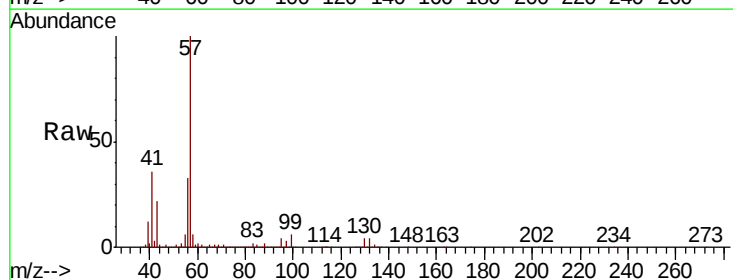
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

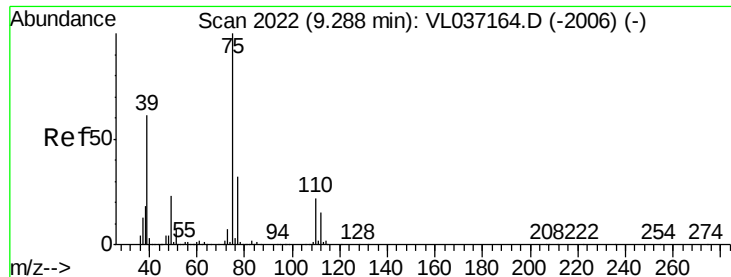
Tot Ion: 69 Resp: 687318
Ion Ratio Lower Upper
69 100
41 283.9 119.4 179.0#
100 66.5 28.6 43.0#



#44
2,2,4-Trimethylpentane
Concen: 10.278 ppbv
RT: 7.87 min Scan# 1580
Delta R.T. -0.01 min
Lab File: VL037215.D
Acq: 17 Jun 2021 23:51

Tgt Ion: 57 Resp: 5781686
Ion Ratio Lower Upper
57 100
41 34.9 27.6 41.4
56 31.6 25.3 37.9





#45

t-1,3-Dichloropropene

Concen: 13.050 ppbv

RT: 9.28 min Scan# 2019

Delta R.T. -0.01 min

Lab File: VL037215.D

Acq: 17 Jun 2021 23:51

Instrument :

MSVOA_L

ClientSampleId :

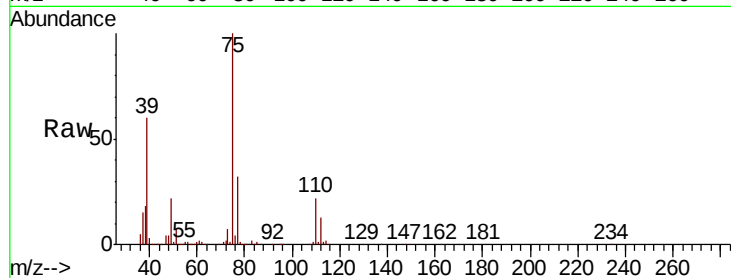
VSTDCCC010EC

Tot Ion: 75 Resp: 1328242

Ion Ratio Lower Upper

75 100

77 31.9 25.6 38.4



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

9.28

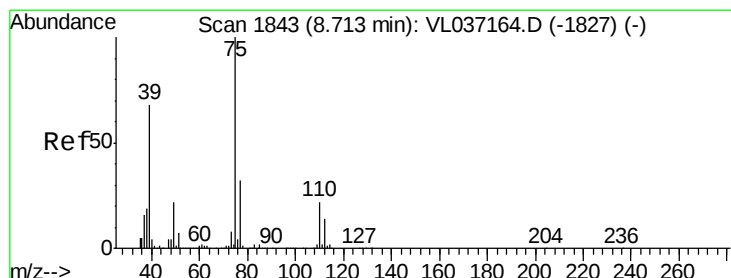
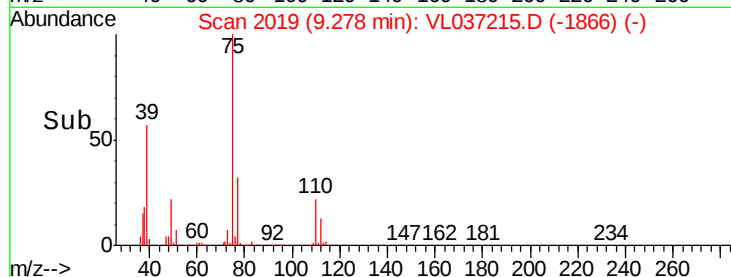
600000

400000

200000

0

Time-->



#46

cis-1,3-Dichloropropene

Concen: 12.048 ppbv

RT: 8.70 min Scan# 1839

Delta R.T. -0.01 min

Lab File: VL037215.D

Acq: 17 Jun 2021 23:51

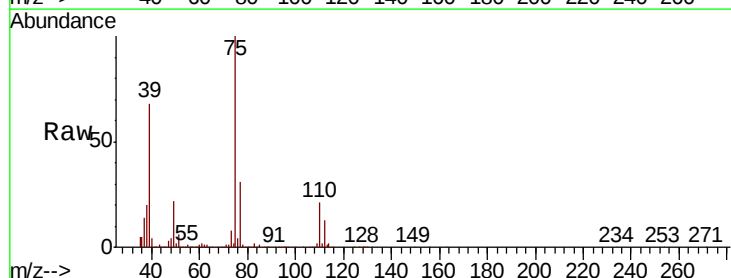
Tgt Ion: 75 Resp: 1677567

Ion Ratio Lower Upper

75 100

39 67.5 54.7 82.1

77 30.7 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

1000000

800000

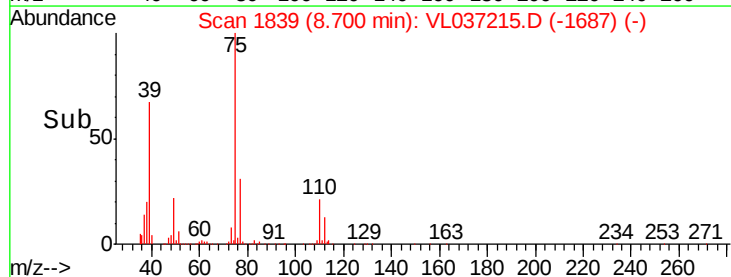
600000

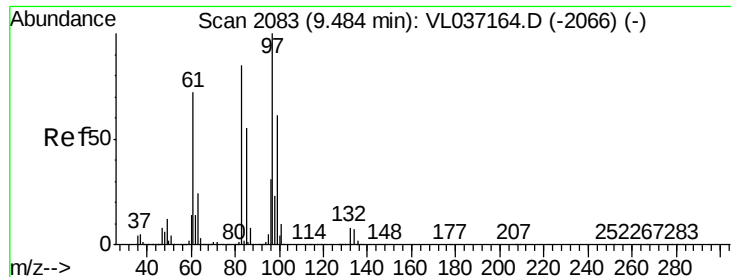
400000

200000

0

Time-->





#47

1,1,2-Trichloroethane

Concen: 10.355 ppbv

RT: 9.47 min Scan# 2080

Delta R.T. -0.01 min

Lab File: VL037215.D

Acq: 17 Jun 2021 23:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 97 Resp: 1466362

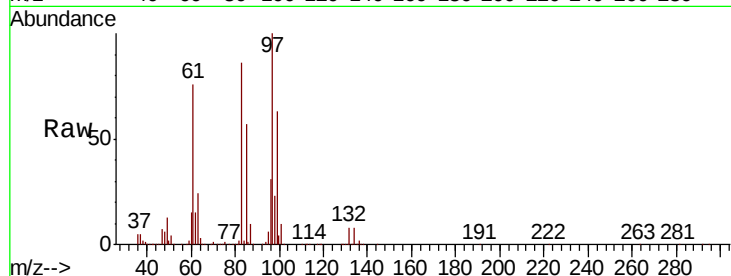
Ion Ratio Lower Upper

97 100

83 86.4 68.3 102.5

85 57.1 44.1 66.1

99 63.0 48.6 72.8

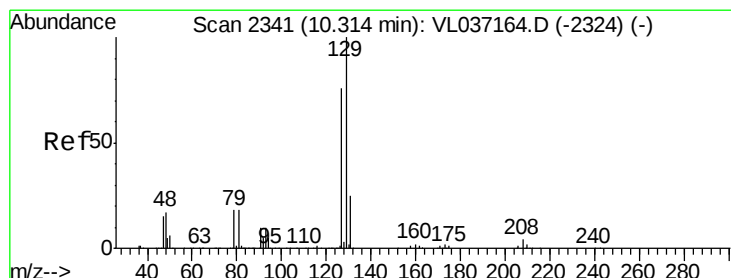
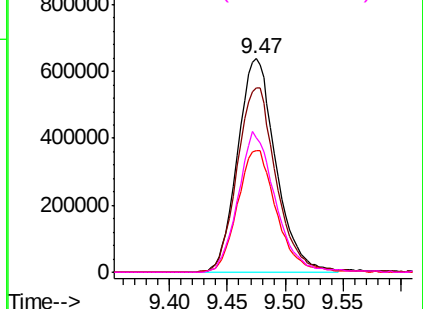
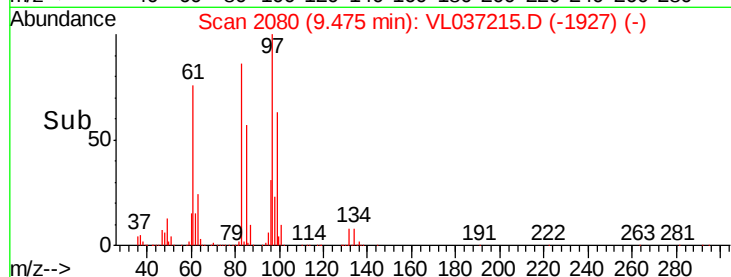


Abundance Ion 97.00 (96.70 to 97.70): VL0

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: 11.390 ppbv

RT: 10.30 min Scan# 2338

Delta R.T. -0.01 min

Lab File: VL037215.D

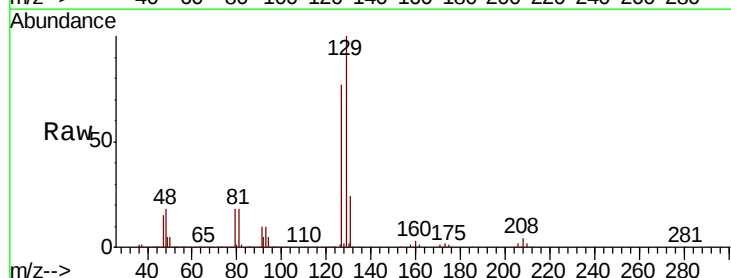
Acq: 17 Jun 2021 23:51

Tgt Ion: 129 Resp: 2546240

Ion Ratio Lower Upper

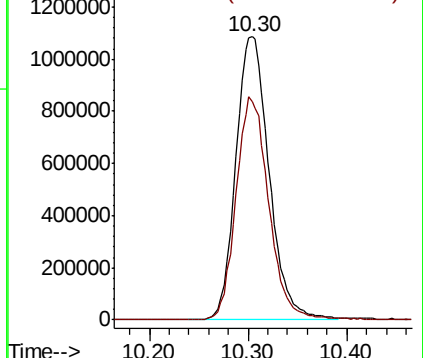
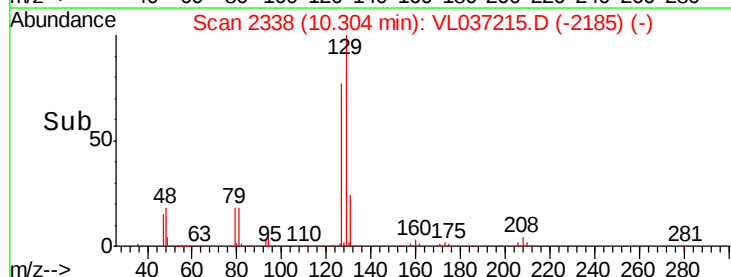
129 100

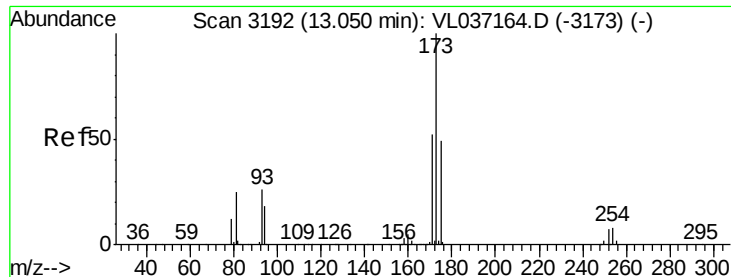
127 77.6 39.1 117.2



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 12.109 ppbv

RT: 13.04 min Scan# 3189

Delta R.T. -0.01 min

Lab File: VL037215.D

Acq: 17 Jun 2021 23:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

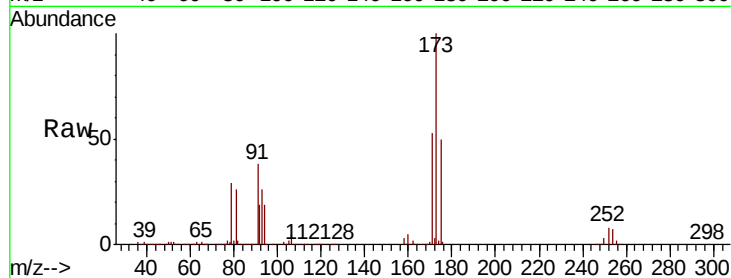
Tot Ion:173 Resp: 2016798

Ion Ratio Lower Upper

173 100

175 49.1 40.2 60.4

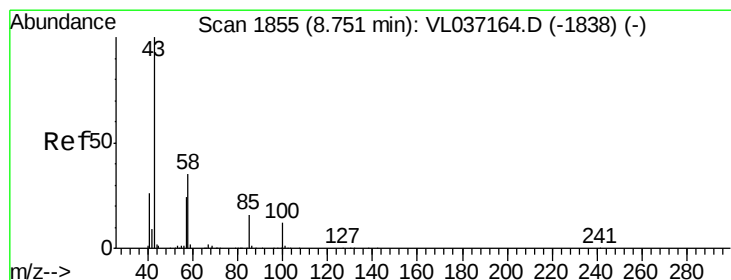
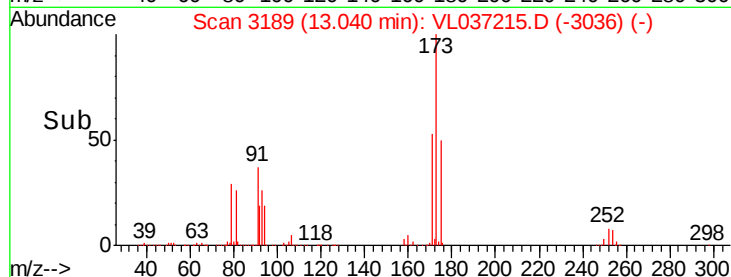
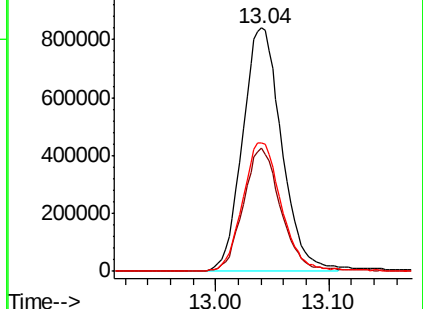
171 52.8 41.8 62.8



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: 11.006 ppbv

RT: 8.74 min Scan# 1852

Delta R.T. -0.01 min

Lab File: VL037215.D

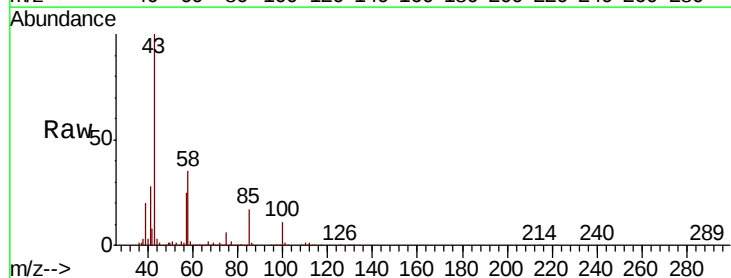
Acq: 17 Jun 2021 23:51

Tgt Ion: 43 Resp: 2428725

Ion Ratio Lower Upper

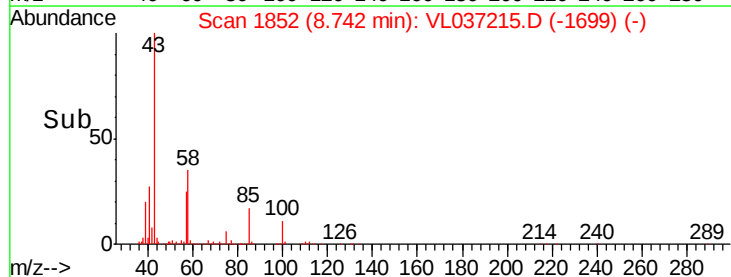
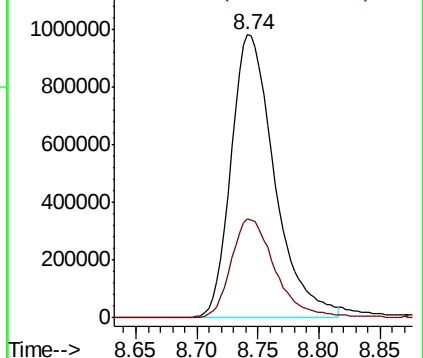
43 100

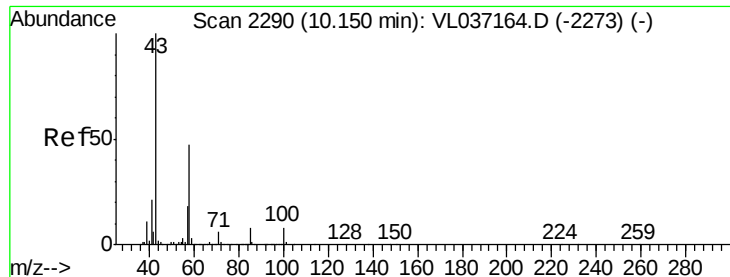
58 36.3 28.4 42.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

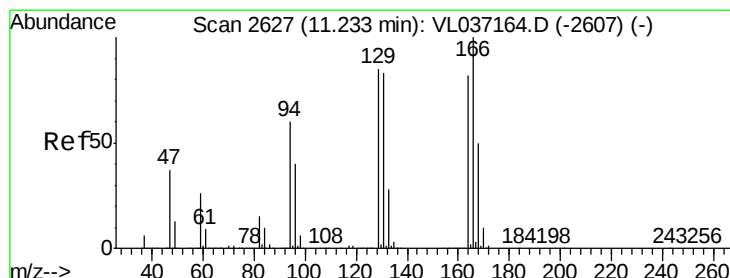
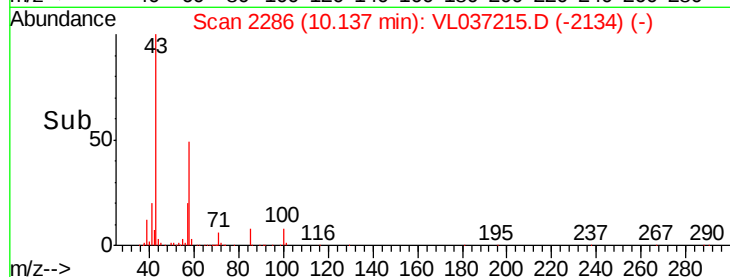
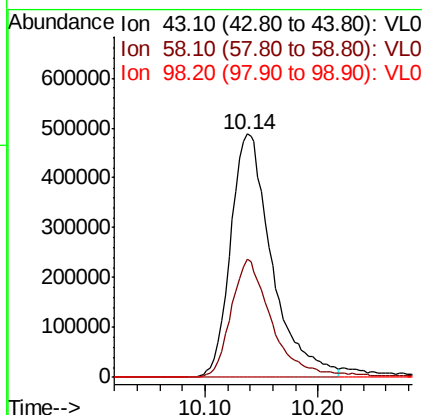
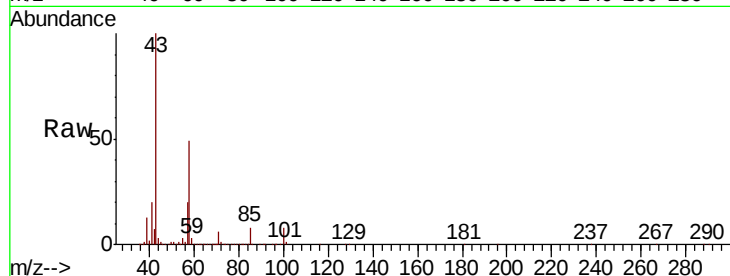




#51
2-Hexanone
Concen: 11.508 ppbv
RT: 10.14 min Scan# 2286
Delta R.T. -0.01 min
Lab File: VL037215.D
Acq: 17 Jun 2021 23:51

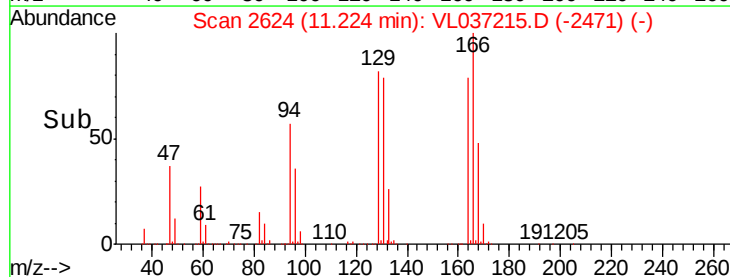
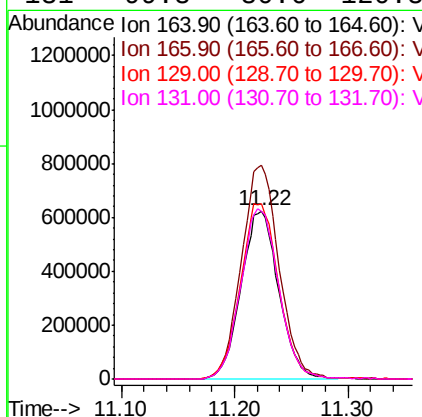
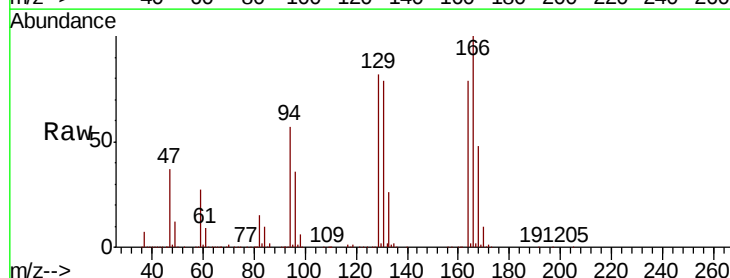
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

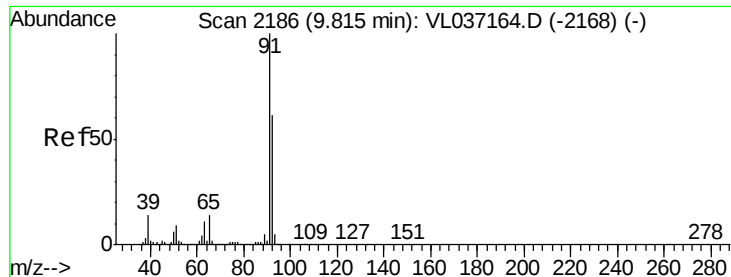
Tot Ion: 43 Resp: 1235561
Ion Ratio Lower Upper
43 100
58 49.1 38.4 57.6
98 0.2 0.3 0.5#



#52
Tetrachloroethene
Concen: 9.268 ppbv
RT: 11.22 min Scan# 2624
Delta R.T. -0.01 min
Lab File: VL037215.D
Acq: 17 Jun 2021 23:51

Tgt Ion: 164 Resp: 1438668
Ion Ratio Lower Upper
164 100
166 127.0 97.6 146.4
129 104.0 82.9 124.3
131 99.8 80.6 120.8





#53

Toluene

Concen: 10.583 ppbv

RT: 9.80 min Scan# 2182

Delta R.T. -0.01 min

Lab File: VL037215.D

Acq: 17 Jun 2021 23:51

Instrument :

MSVOA_L

ClientSampleId :

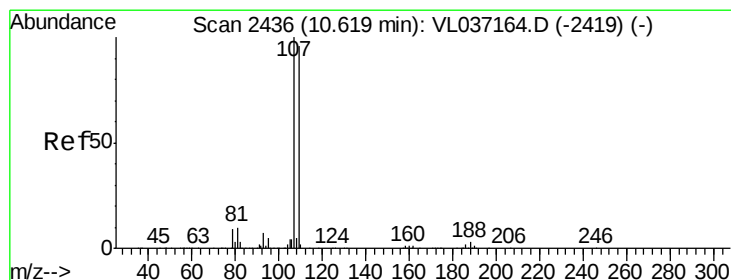
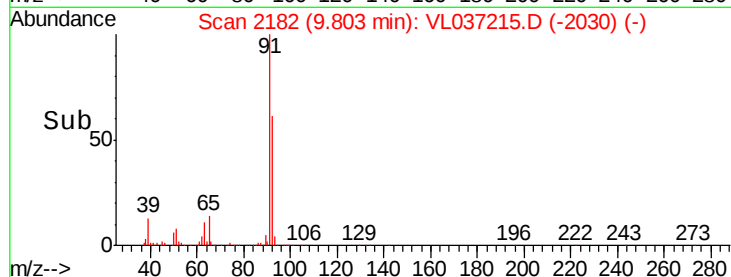
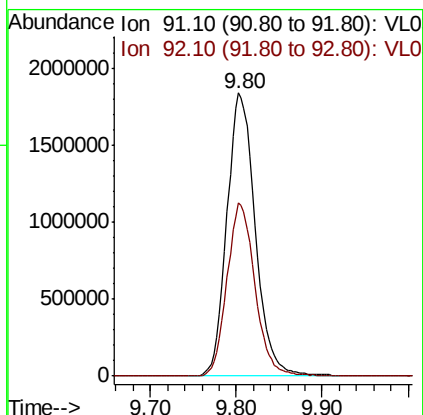
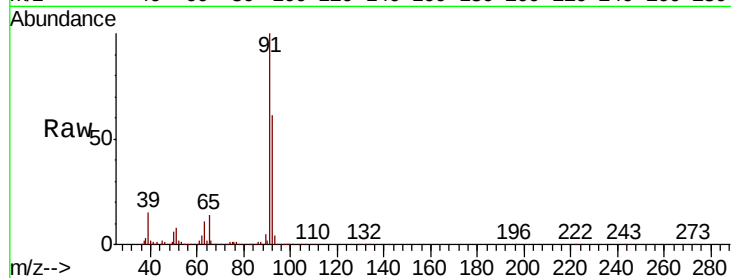
VSTDCCC010EC

Tot Ion: 91 Resp: 4222972

Ion Ratio Lower Upper

91 100

92 60.5 48.3 72.5



#54

1,2-Dibromoethane

Concen: 10.660 ppbv

RT: 10.61 min Scan# 2433

Delta R.T. -0.01 min

Lab File: VL037215.D

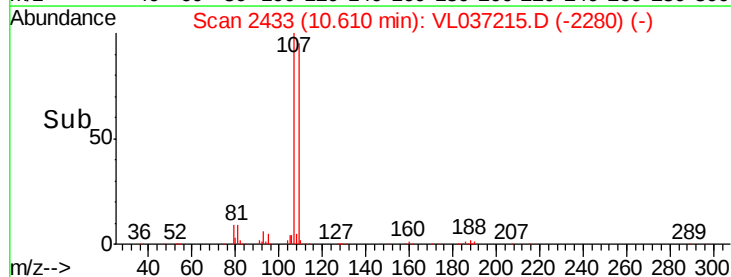
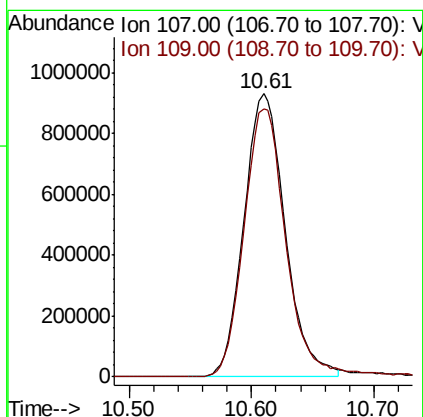
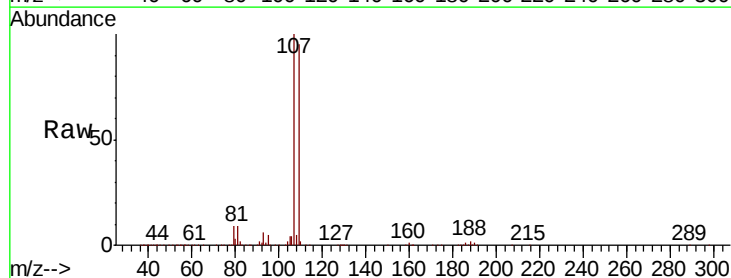
Acq: 17 Jun 2021 23:51

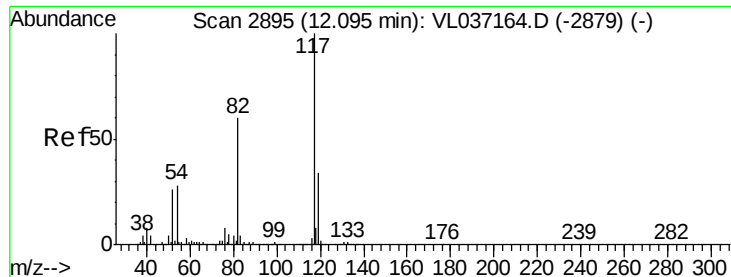
Tgt Ion: 107 Resp: 2169521

Ion Ratio Lower Upper

107 100

109 94.6 77.0 115.6





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.09 min Scan# 2892

Delta R.T. -0.01 min

Lab File: VL037215.D

Acq: 17 Jun 2021 23:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

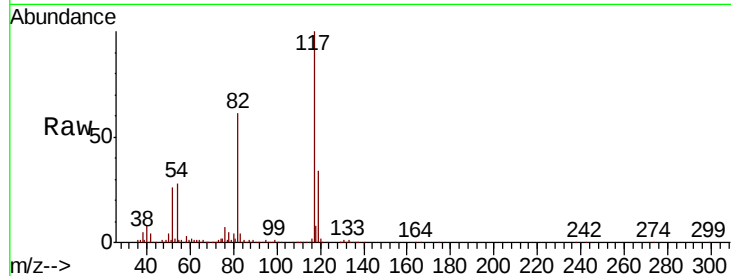
Tot Ion:117 Resp: 4841920

Ion Ratio Lower Upper

117 100

82 51.2 51.7 77.5#

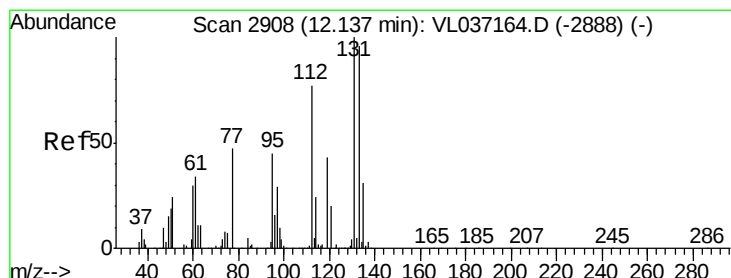
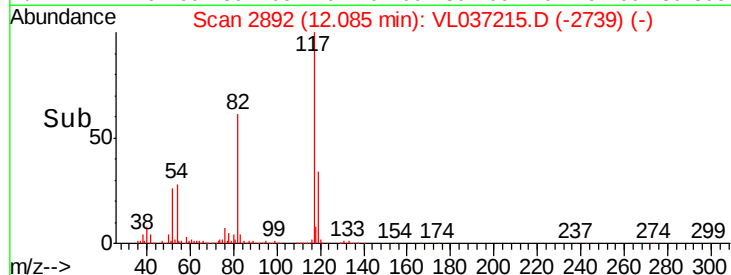
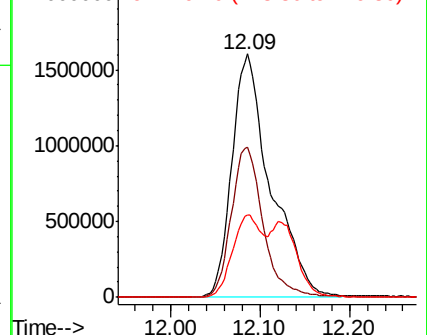
119 23.4 47.6 71.4#



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: 8.186 ppbv

RT: 12.12 min Scan# 2904

Delta R.T. -0.01 min

Lab File: VL037215.D

Acq: 17 Jun 2021 23:51

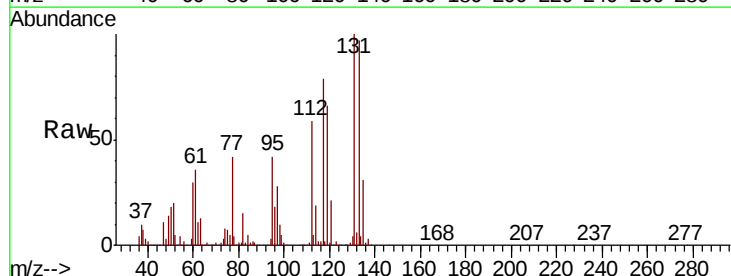
Tgt Ion:131 Resp: 1732935

Ion Ratio Lower Upper

131 100

133 96.6 76.5 114.7

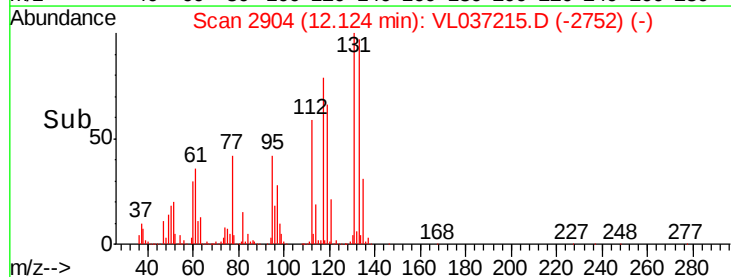
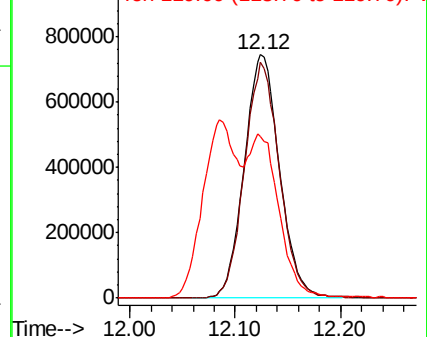
119 69.4 48.6 72.8

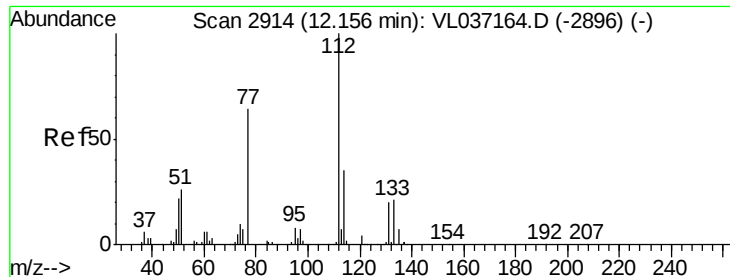


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

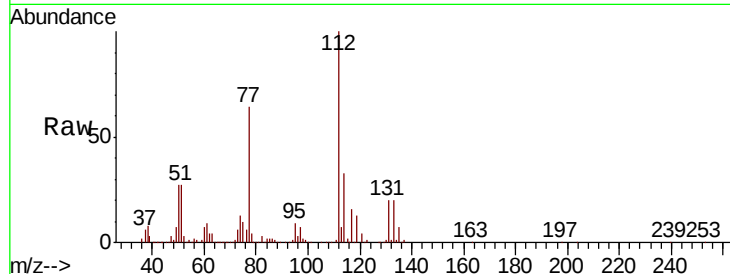




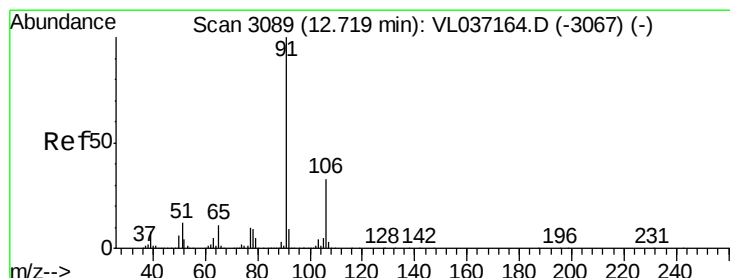
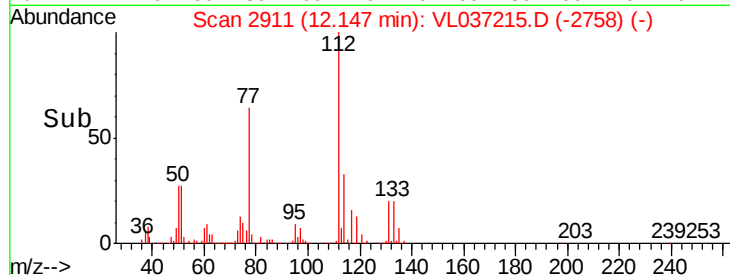
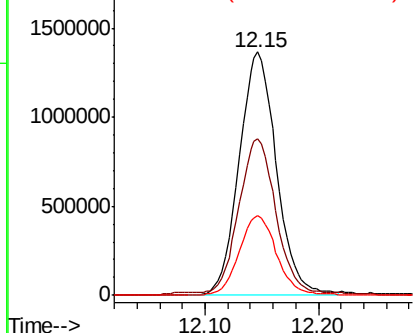
#57
Chlorobenzene
Concen: 7.987 ppbv
RT: 12.15 min Scan# 2911
Delta R.T. -0.01 min
Lab File: VL037215.D
Acq: 17 Jun 2021 23:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:112 Resp: 3136444
Ion Ratio Lower Upper
112 100
77 63.2 52.2 78.4
114 32.8 31.1 38.1

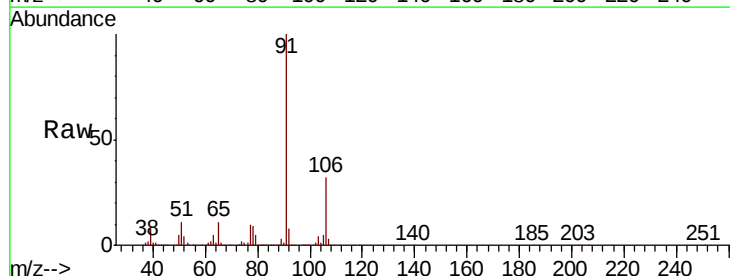


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

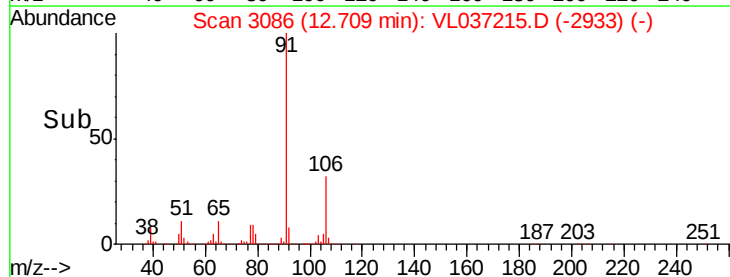
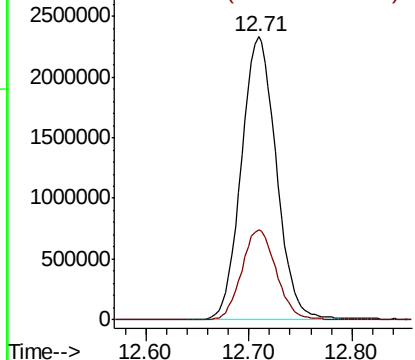


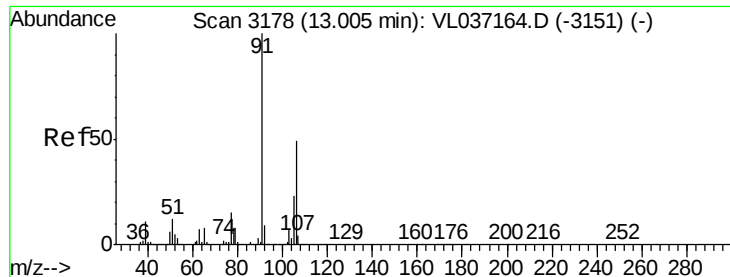
#58
Ethyl Benzene
Concen: 8.251 ppbv
RT: 12.71 min Scan# 3086
Delta R.T. -0.01 min
Lab File: VL037215.D
Acq: 17 Jun 2021 23:51

Tgt Ion: 91 Resp: 5499616
Ion Ratio Lower Upper
91 100
106 32.0 26.3 39.5



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





#59

m/p-Xylene

Concen: 8.904 ppbv

RT: 13.00 min Scan# 3175

Delta R.T. -0.01 min

Lab File: VL037215.D

Acq: 17 Jun 2021 23:51

Instrument :

MSVOA_L

ClientSampleId :

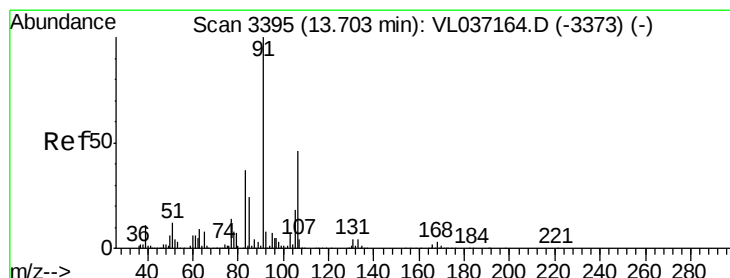
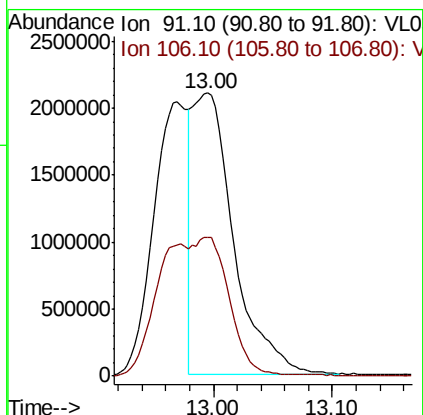
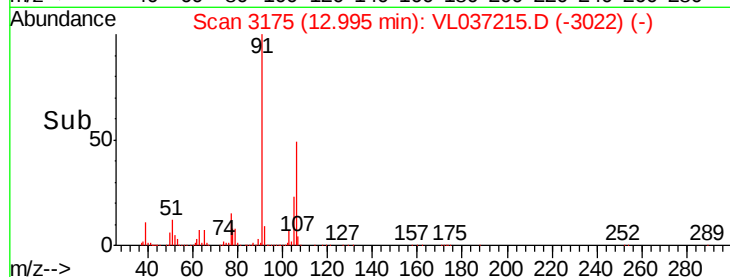
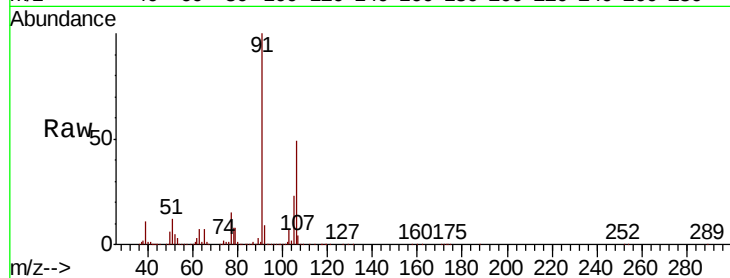
VSTDCCC010EC

Tot Ion: 91 Resp: 5029431

Ion Ratio Lower Upper

91 100

106 83.9 37.0 55.4#



#60

o-Xylene

Concen: 8.083 ppbv

RT: 13.69 min Scan# 3391

Delta R.T. -0.01 min

Lab File: VL037215.D

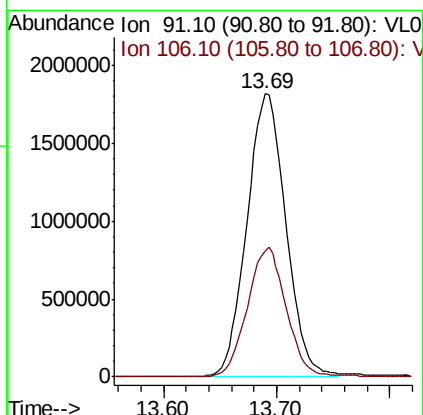
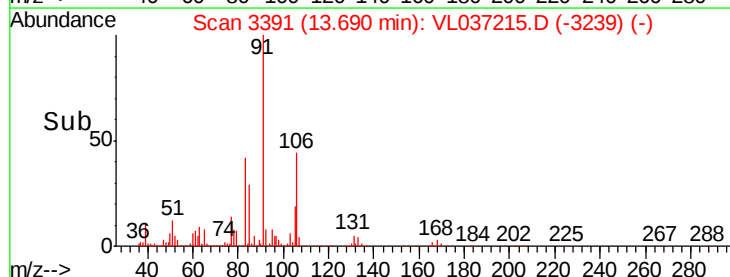
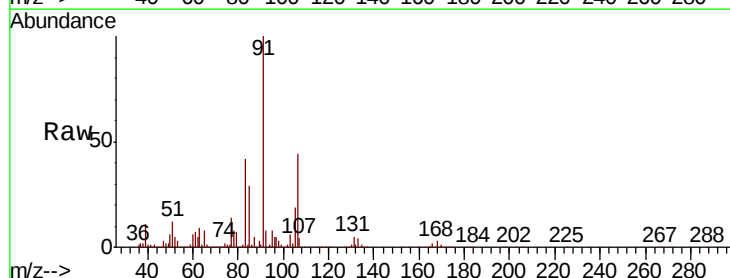
Acq: 17 Jun 2021 23:51

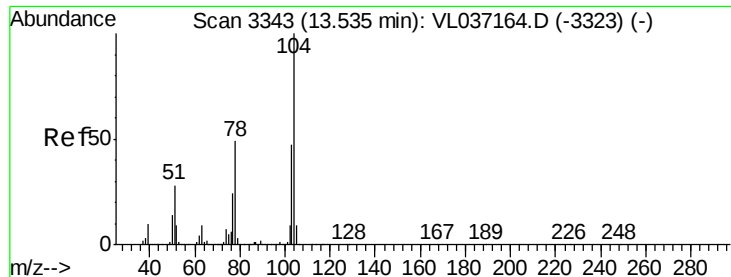
Tgt Ion: 91 Resp: 4347361

Ion Ratio Lower Upper

91 100

106 45.7 23.0 69.0





#61

Stvrene

Concen: 9.006 ppbv

RT: 13.53 min Scan# 3340

Delta R.T. -0.01 min

Lab File: VL037215.D

Acq: 17 Jun 2021 23:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

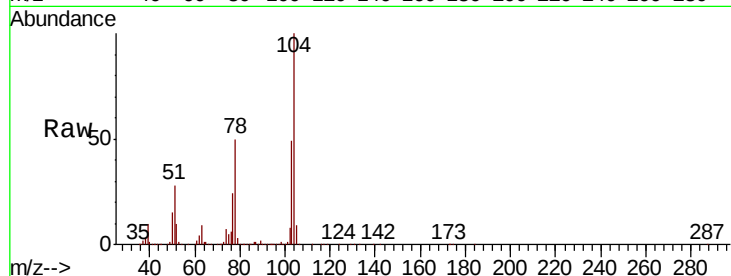
Tot Ion:104 Resp: 2500015

Ion Ratio Lower Upper

104 100

78 50.5 39.7 59.5

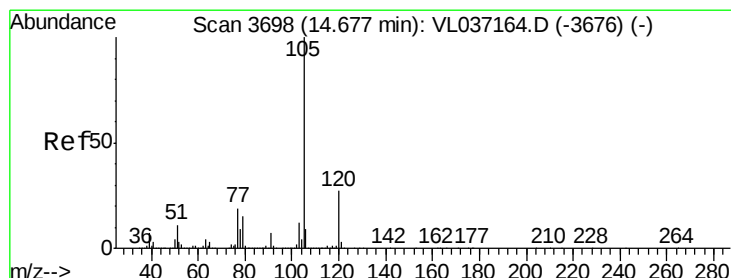
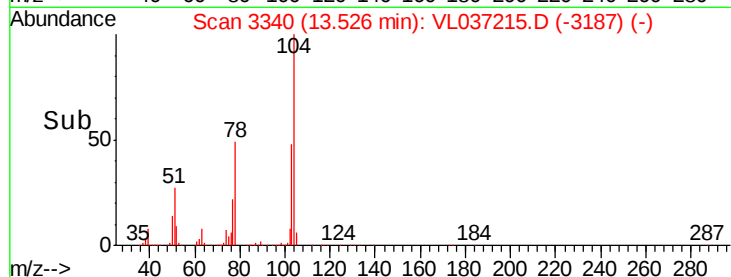
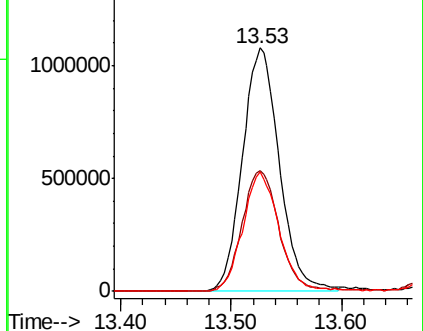
103 48.4 37.6 56.4



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 7.913 ppbv

RT: 14.66 min Scan# 3694

Delta R.T. -0.01 min

Lab File: VL037215.D

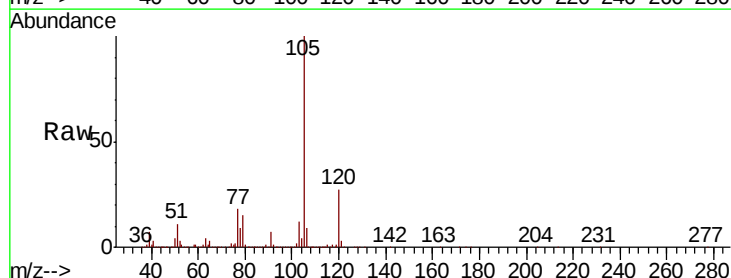
Acq: 17 Jun 2021 23:51

Tgt Ion:105 Resp: 6051918

Ion Ratio Lower Upper

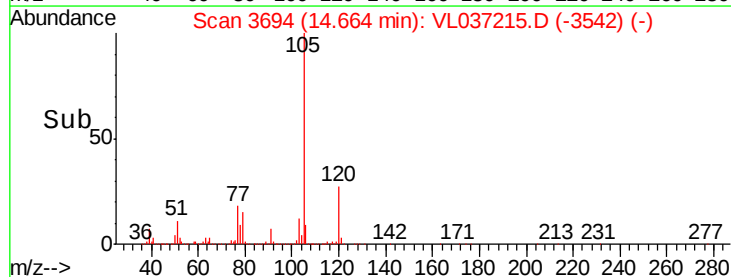
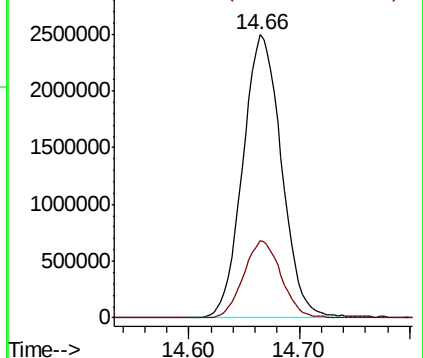
105 100

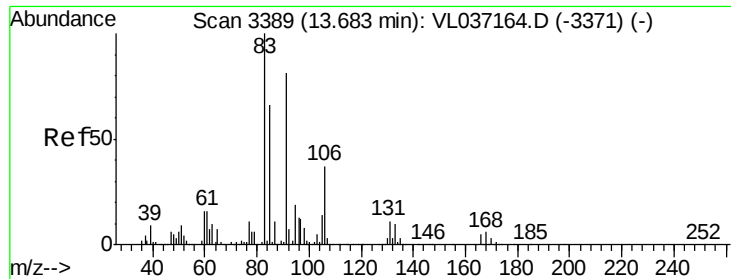
120 26.8 21.6 32.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

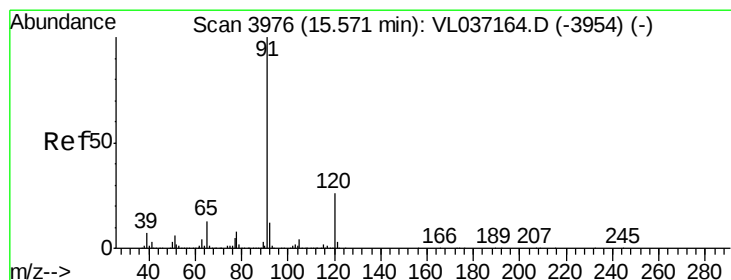
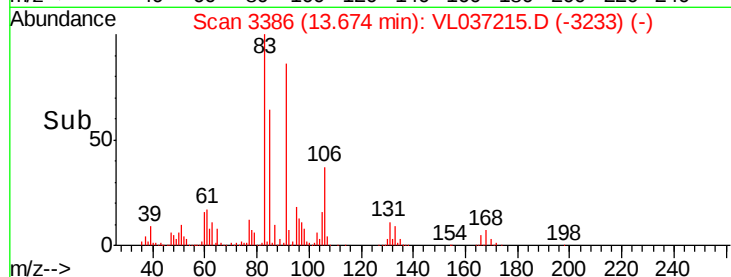
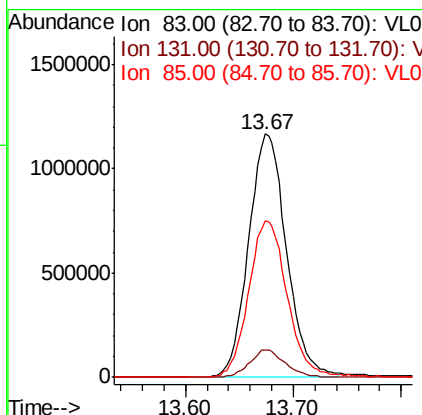
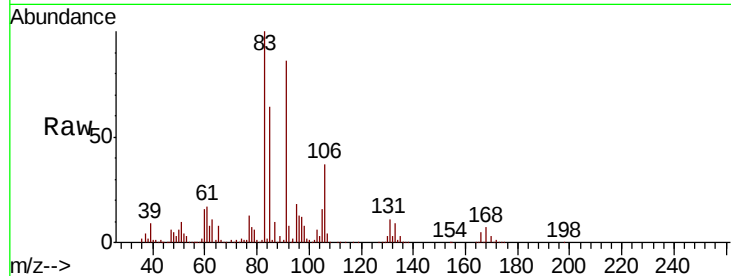




#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.923 ppbv
 RT: 13.67 min Scan# 3386
 Delta R.T. -0.01 min
 Lab File: VL037215.D
 Acq: 17 Jun 2021 23:51

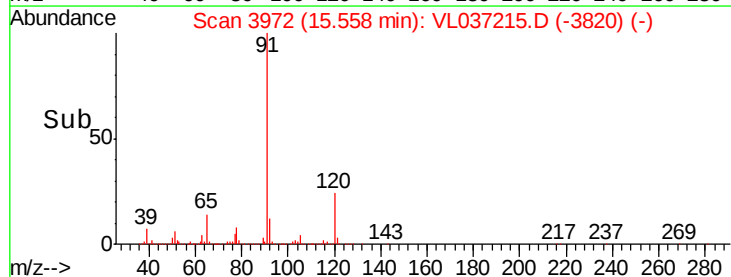
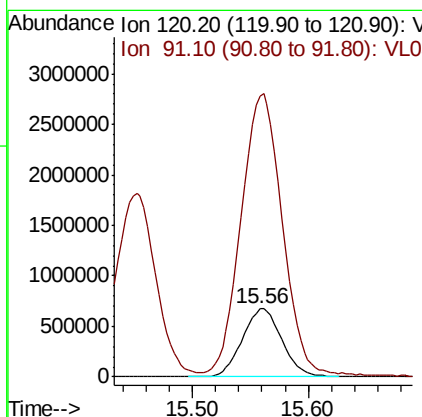
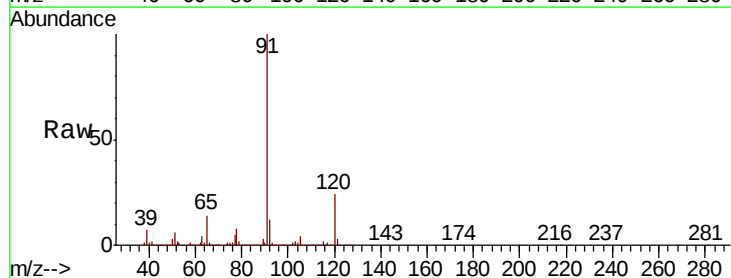
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

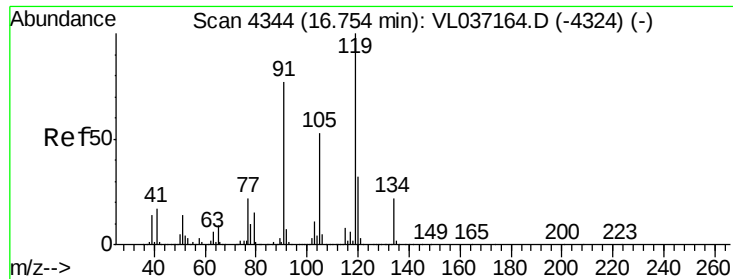
Tot Ion: 83 Resp: 2837530
 Ion Ratio Lower Upper
 83 100
 131 10.9 5.4 16.2
 85 66.0 33.1 99.2



#64
 n-propylbenzene
 Concen: 8.400 ppbv
 RT: 15.56 min Scan# 3972
 Delta R.T. -0.01 min
 Lab File: VL037215.D
 Acq: 17 Jun 2021 23:51

Tgt Ion: 120 Resp: 1608966
 Ion Ratio Lower Upper
 120 100
 91 437.1 343.3 514.9





#65

tert-Butylbenzene

Concen: 7.883 ppbv

RT: 16.74 min Scan# 4341

Delta R.T. -0.01 min

Lab File: VL037215.D

Acq: 17 Jun 2021 23:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

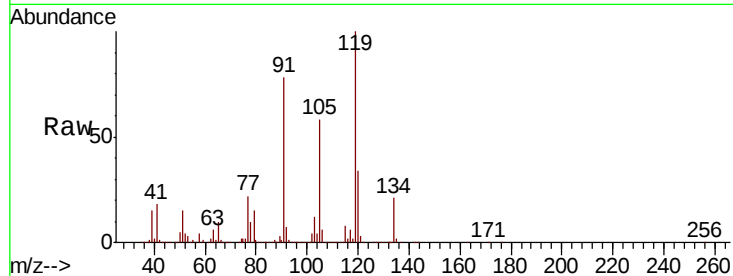
Tot Ion:119 Resp: 5347165

Ion Ratio Lower Upper

119 100

91 79.3 62.6 93.8

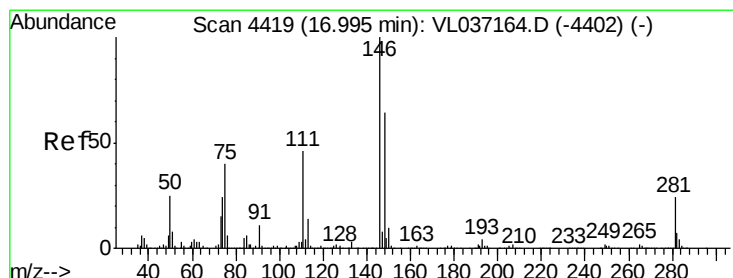
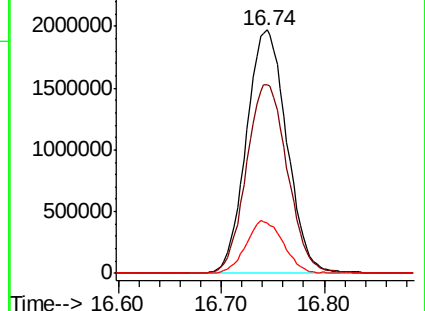
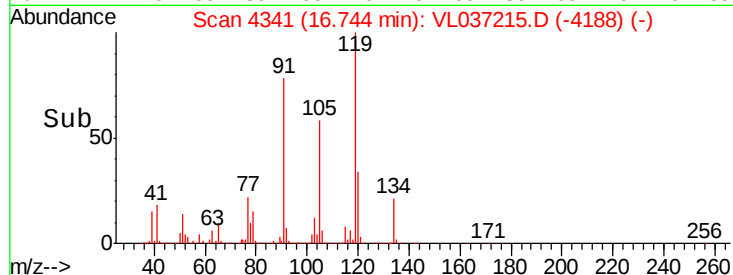
134 20.2 16.2 24.4



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 8.909 ppbv

RT: 16.99 min Scan# 4416

Delta R.T. -0.01 min

Lab File: VL037215.D

Acq: 17 Jun 2021 23:51

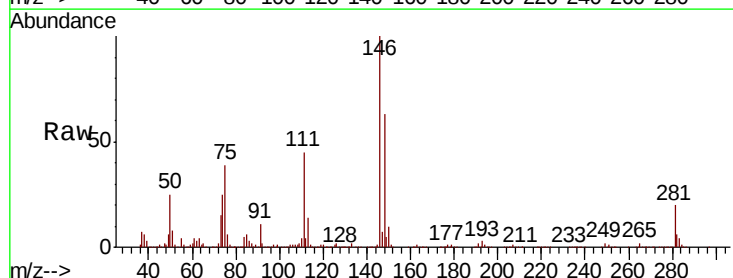
Tgt Ion: 91 Resp: 256105

Ion Ratio Lower Upper

91 100

126 18.9 15.5 23.3

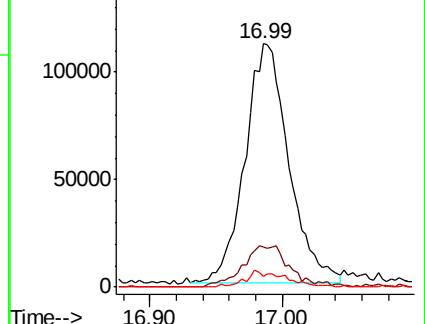
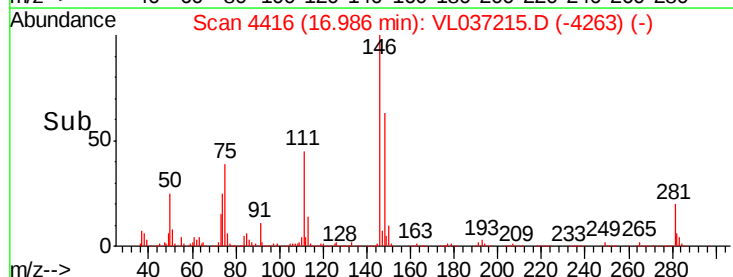
128 6.6 5.7 8.5

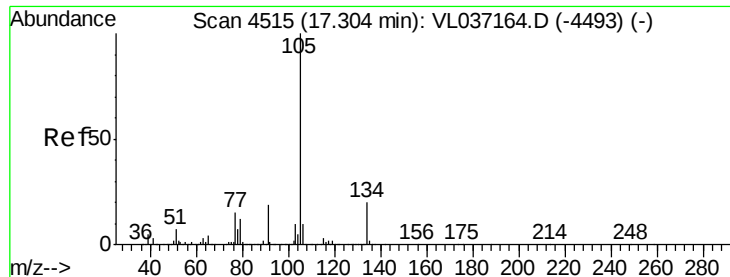


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 7.907 ppbv

RT: 17.29 min Scan# 4511

Delta R.T. -0.01 min

Lab File: VL037215.D

Acq: 17 Jun 2021 23:51

Instrument :

MSVOA_L

ClientSampleId :

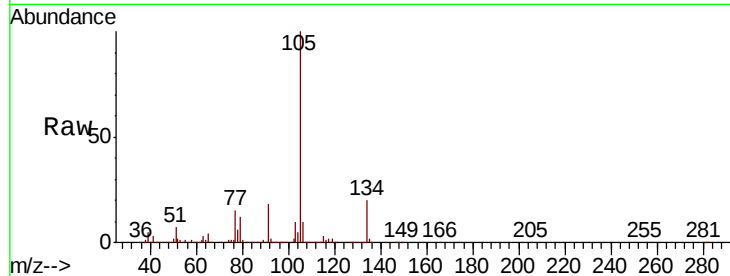
VSTDCCC010EC

Tot Ion:105 Resp: 7152540

Ion Ratio Lower Upper

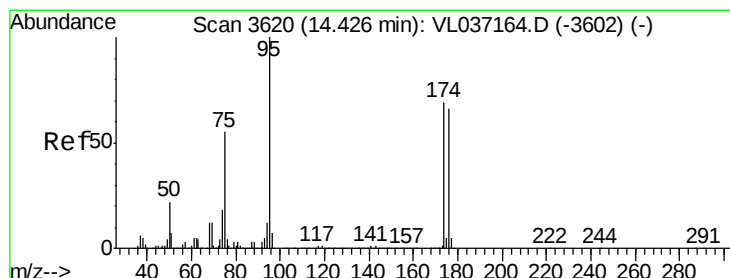
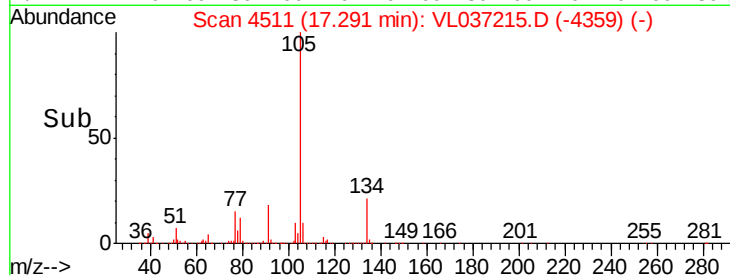
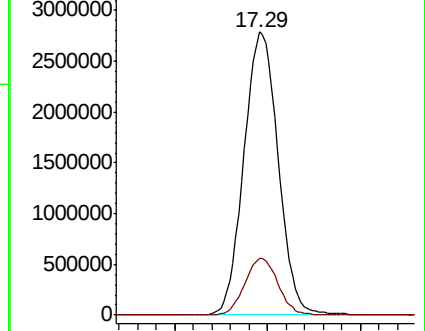
105 100

134 19.5 15.8 23.6



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 8.076 ppbv

RT: 14.41 min Scan# 3616

Delta R.T. -0.01 min

Lab File: VL037215.D

Acq: 17 Jun 2021 23:51

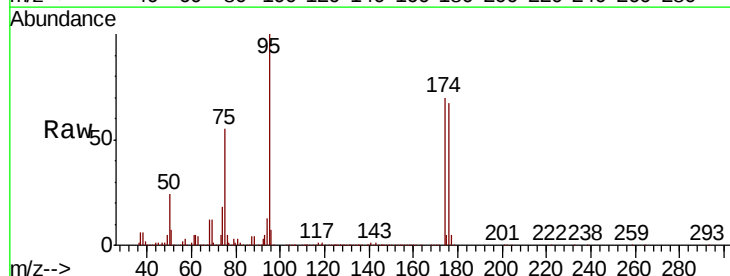
Tgt Ion: 95 Resp: 2962947

Ion Ratio Lower Upper

95 100

174 72.0 57.0 85.4

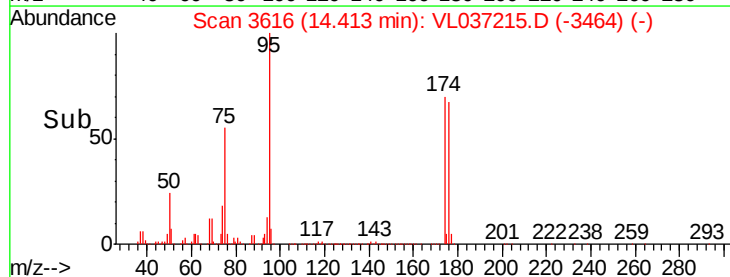
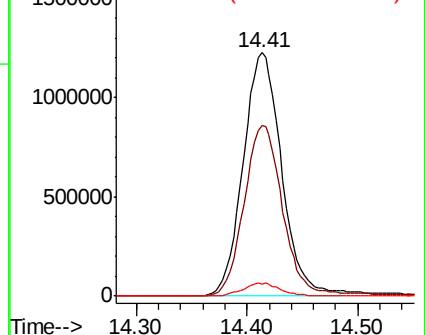
175 5.2 4.4 6.6

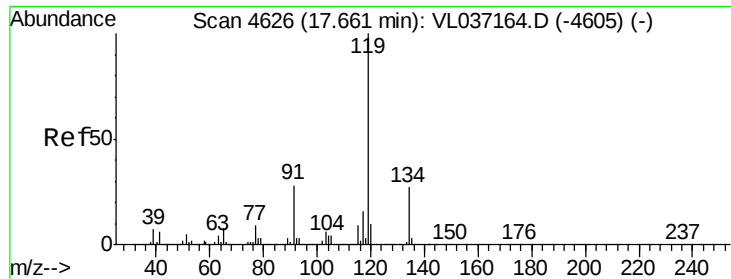


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

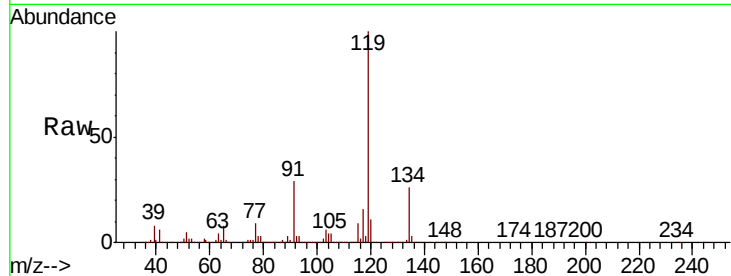




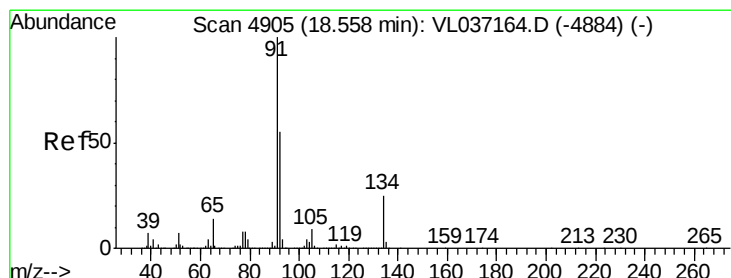
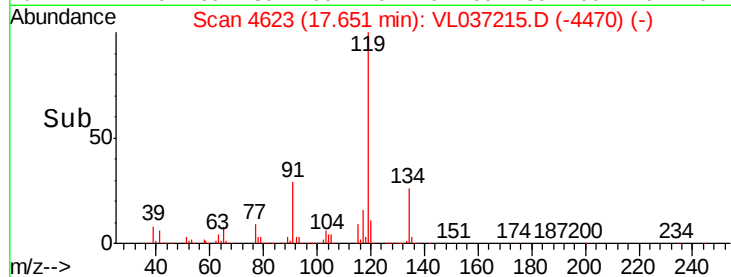
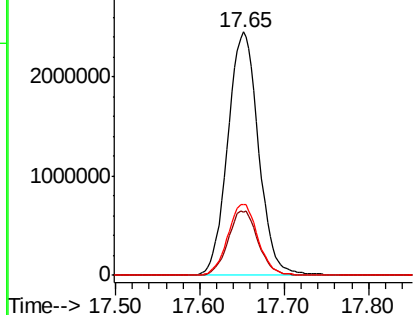
#69
 p-Isopropyltoluene
 Concen: 8.114 ppbv
 RT: 17.65 min Scan# 4623
 Delta R.T. -0.01 min
 Lab File: VL037215.D
 Acq: 17 Jun 2021 23:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 119 Resp: 6199551
 Ion Ratio Lower Upper
 119 100
 134 25.7 20.9 31.3
 91 28.7 22.6 34.0

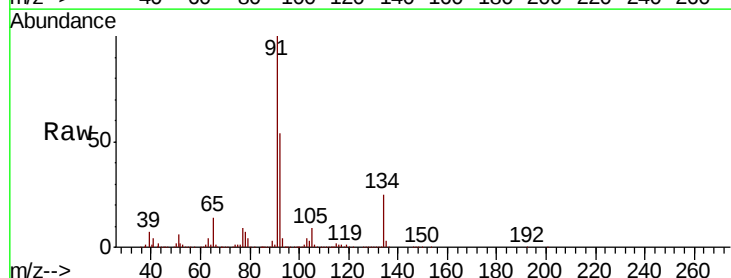


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

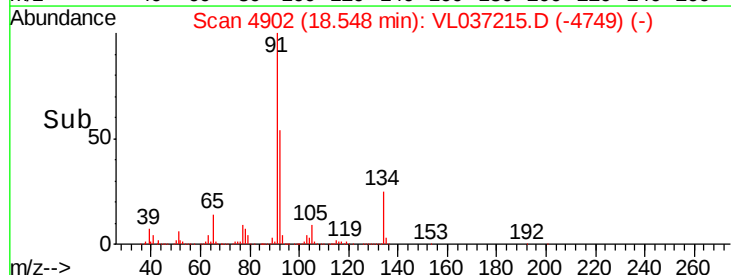
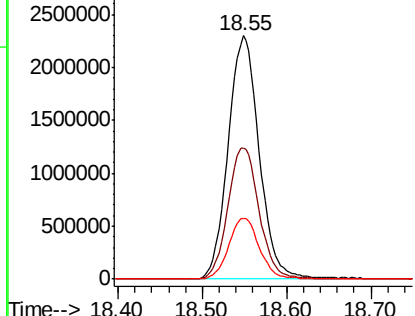


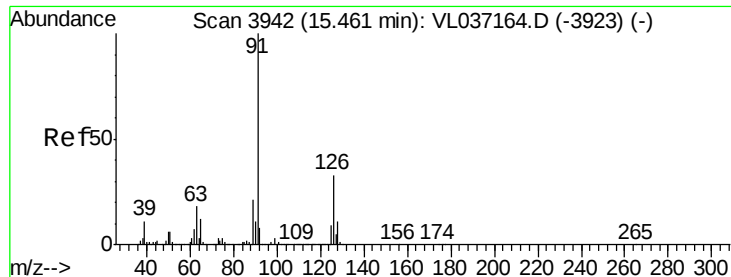
#70
 n-Butylbenzene
 Concen: 8.314 ppbv
 RT: 18.55 min Scan# 4902
 Delta R.T. -0.01 min
 Lab File: VL037215.D
 Acq: 17 Jun 2021 23:51

Tgt Ion: 91 Resp: 5879188
 Ion Ratio Lower Upper
 91 100
 92 54.5 44.0 66.0
 134 24.8 20.2 30.4



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

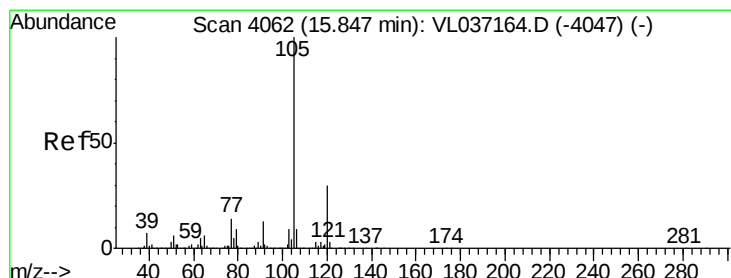
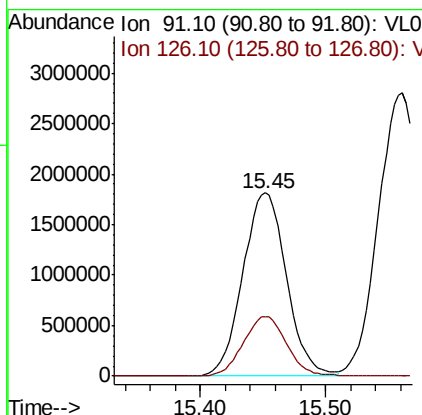
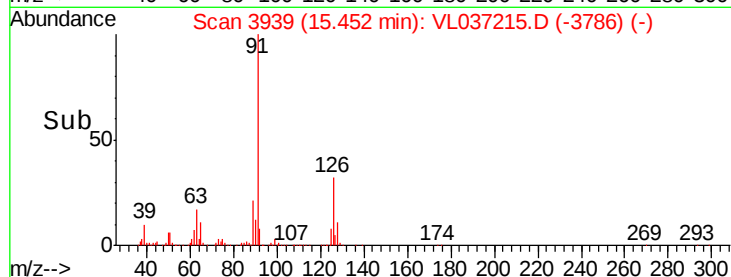
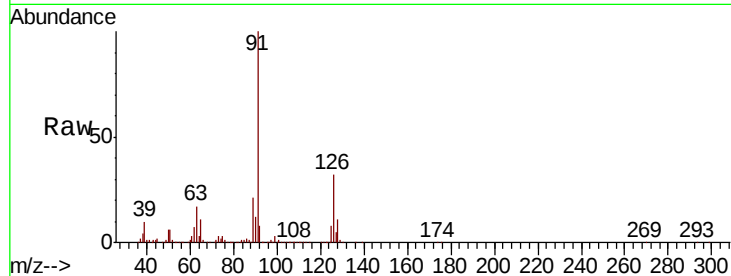




#71
2-Chlorotoluene
Concen: 8.219 ppbv
RT: 15.45 min Scan# 3939
Delta R.T. -0.01 min
Lab File: VL037215.D
Acq: 17 Jun 2021 23:51

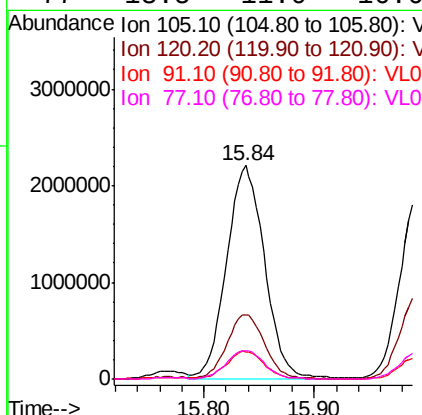
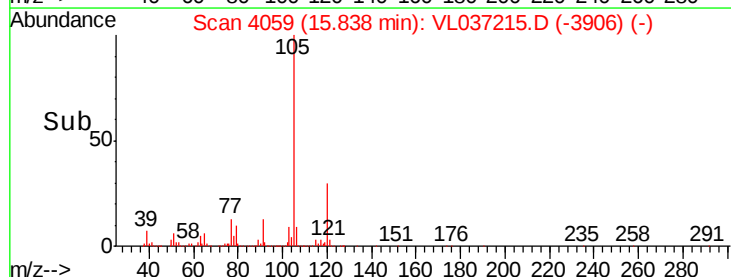
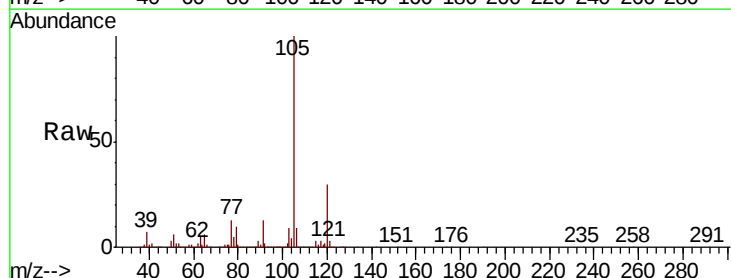
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

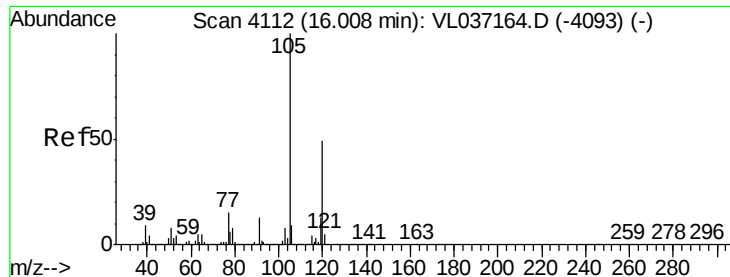
Tot Ion: 91 Resp: 4394752
Ion Ratio Lower Upper
91 100
126 32.9 13.5 54.1



#72
4-Ethyltoluene
Concen: 8.599 ppbv
RT: 15.84 min Scan# 4059
Delta R.T. -0.01 min
Lab File: VL037215.D
Acq: 17 Jun 2021 23:51

Tgt Ion:105 Resp: 5254275
Ion Ratio Lower Upper
105 100
120 30.2 24.7 37.1
91 12.6 10.2 15.4
77 13.5 11.0 16.6

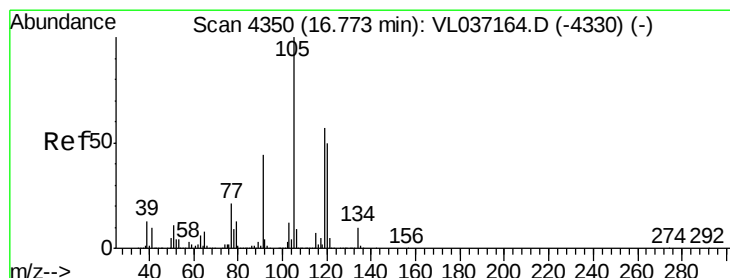
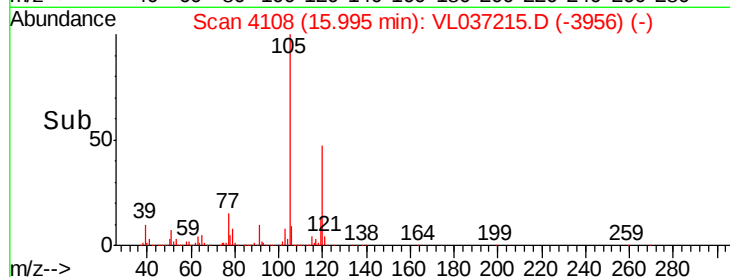
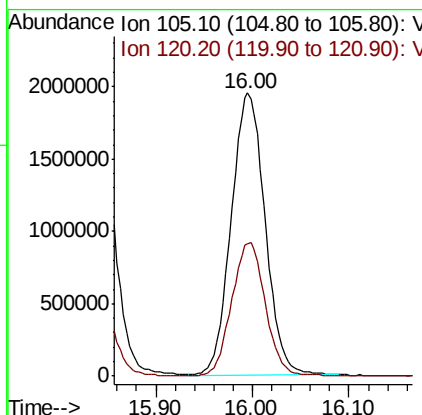
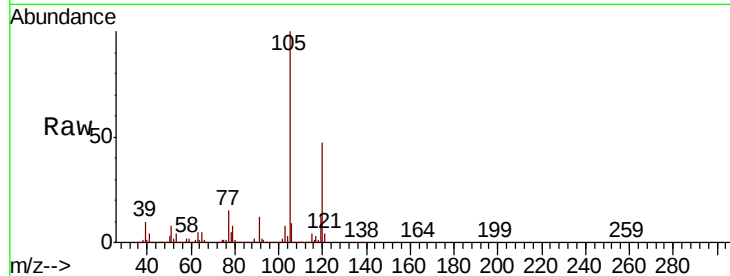




#73
 1,3,5-Trimethylbenzene
 Concen: 8.010 ppbv
 RT: 16.00 min Scan# 4108
 Delta R.T. -0.01 min
 Lab File: VL037215.D
 Acq: 17 Jun 2021 23:51

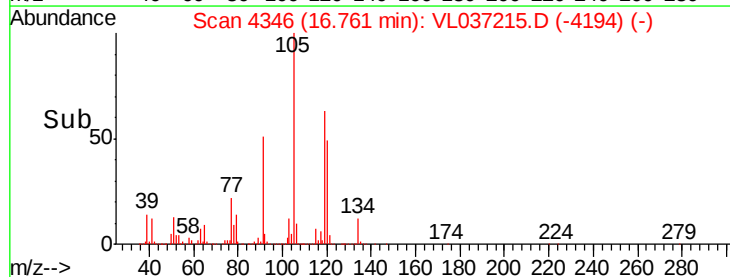
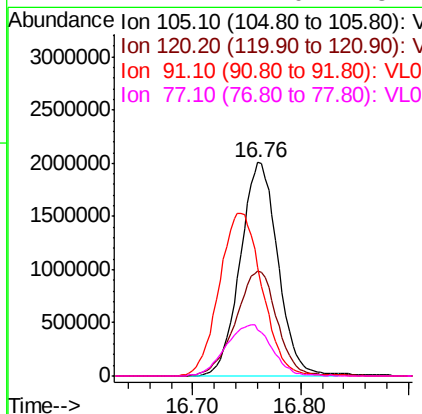
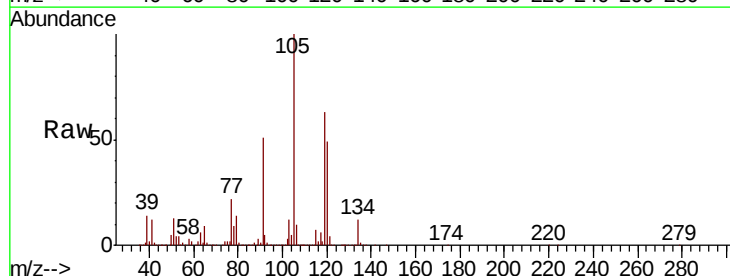
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

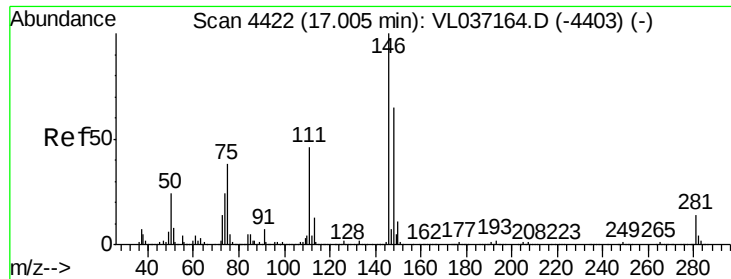
Tot Ion:105 Resp: 4731168
 Ion Ratio Lower Upper
 105 100
 120 46.8 39.4 59.2



#74
 1,2,4-Trimethylbenzene
 Concen: 7.984 ppbv
 RT: 16.76 min Scan# 4346
 Delta R.T. -0.01 min
 Lab File: VL037215.D
 Acq: 17 Jun 2021 23:51

Tgt Ion:105 Resp: 4858898
 Ion Ratio Lower Upper
 105 100
 120 48.8 39.8 59.8
 91 50.7 37.0 55.4
 77 21.4 17.0 25.4

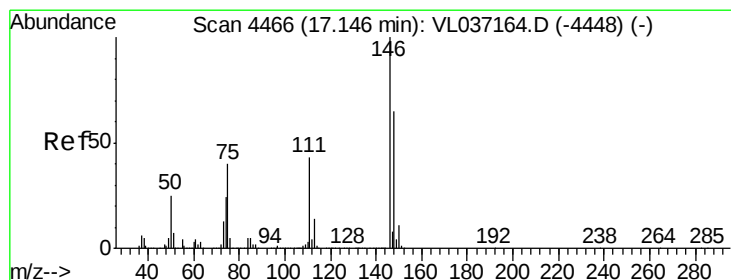
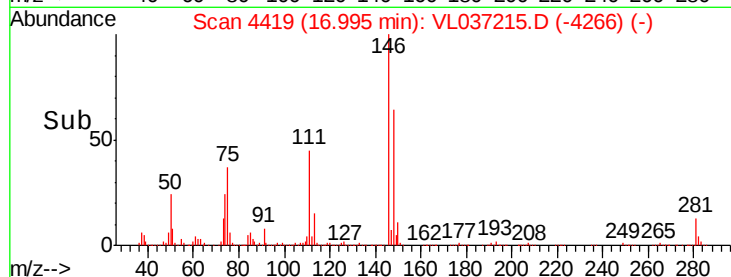
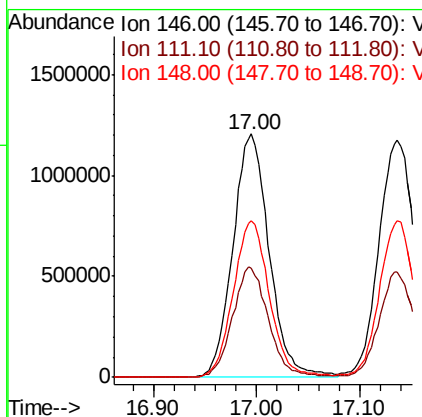
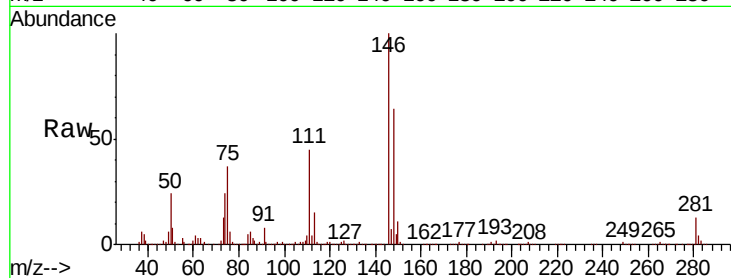




#75
 1,3-Dichlorobenzene
 Concen: 7.980 ppbv
 RT: 17.00 min Scan# 4419
 Delta R.T. -0.01 min
 Lab File: VL037215.D
 Acq: 17 Jun 2021 23:51

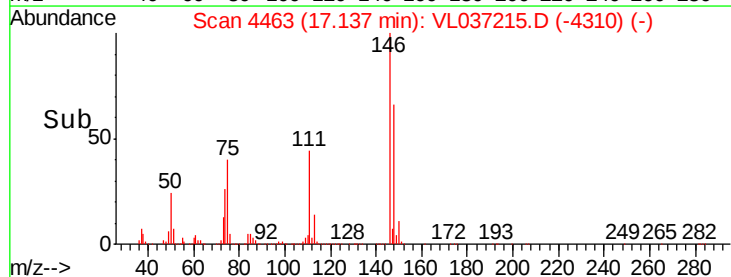
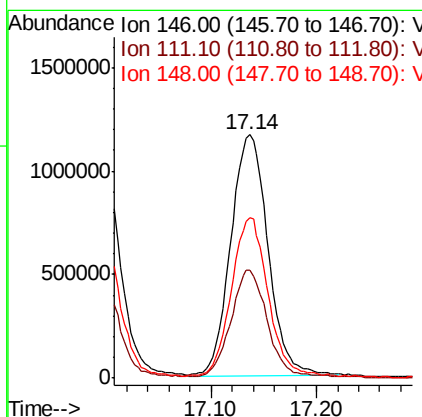
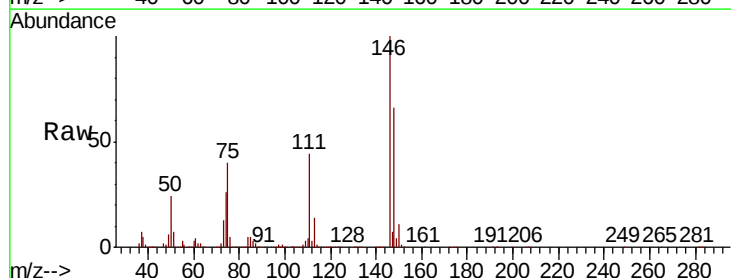
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

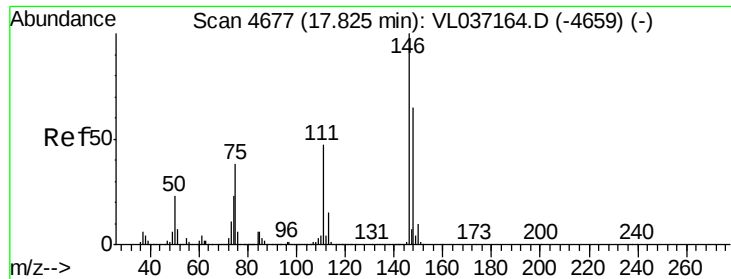
Tot Ion:146 Resp: 2952716
 Ion Ratio Lower Upper
 146 100
 111 44.8 22.2 66.6
 148 64.3 32.4 97.2



#76
 1,4-Dichlorobenzene
 Concen: 7.698 ppbv
 RT: 17.14 min Scan# 4463
 Delta R.T. -0.01 min
 Lab File: VL037215.D
 Acq: 17 Jun 2021 23:51

Tgt Ion:146 Resp: 2845034
 Ion Ratio Lower Upper
 146 100
 111 44.8 22.7 68.0
 148 67.6 33.7 101.1





#77

1,2-Dichlorobenzene

Concen: 7.849 ppbv

RT: 17.82 min Scan# 4674

Delta R.T. -0.01 min

Lab File: VL037215.D

Acq: 17 Jun 2021 23:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

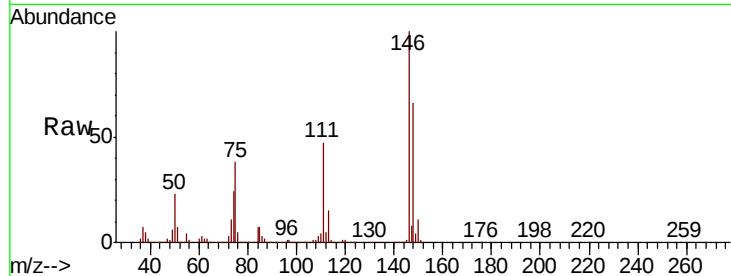
Tot Ion:146 Resp: 2809576

Ion Ratio Lower Upper

146 100

111 46.2 23.3 69.8

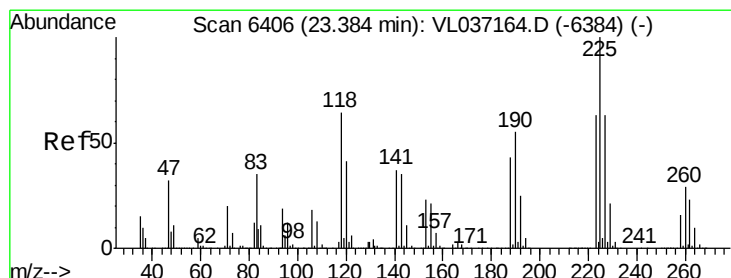
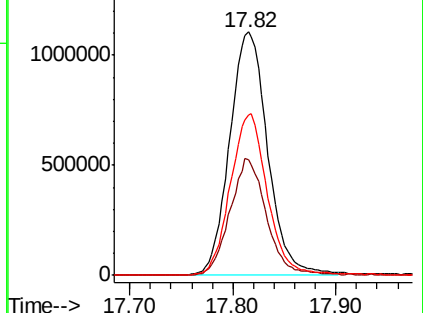
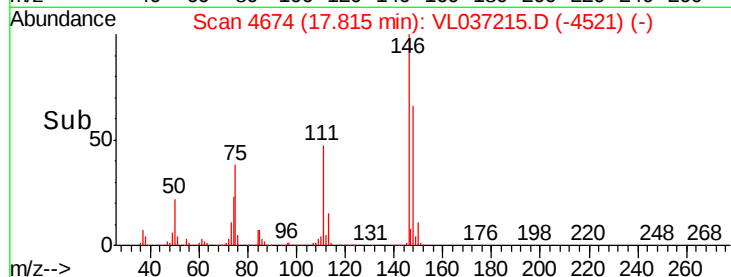
148 65.1 32.4 97.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 6.902 ppbv

RT: 23.38 min Scan# 6404

Delta R.T. -0.01 min

Lab File: VL037215.D

Acq: 17 Jun 2021 23:51

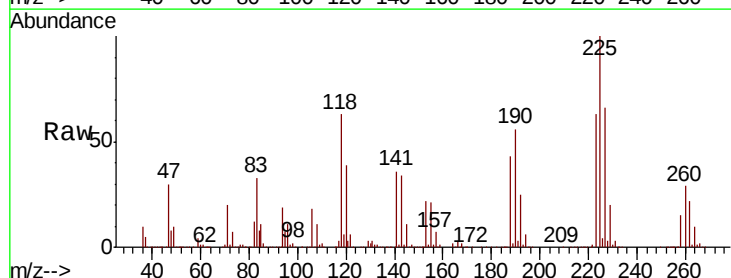
Tgt Ion:225 Resp: 2124062

Ion Ratio Lower Upper

225 100

223 64.8 51.8 77.8

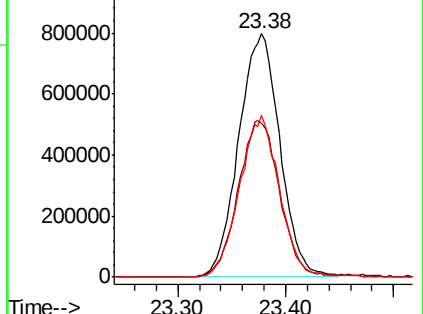
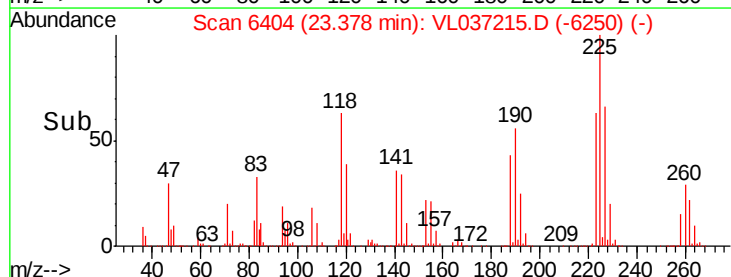
227 64.4 51.4 77.0

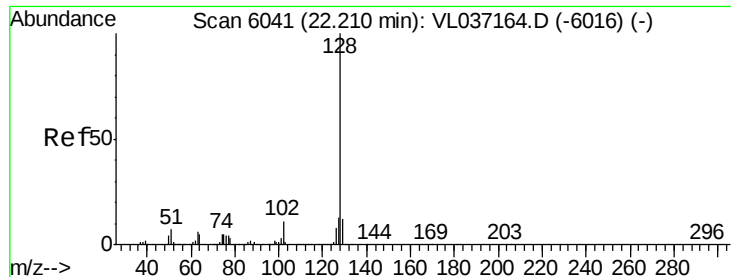


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V

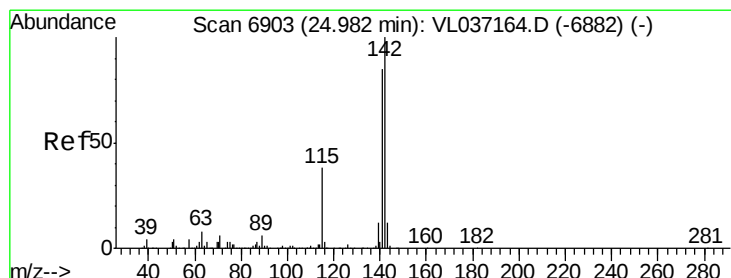
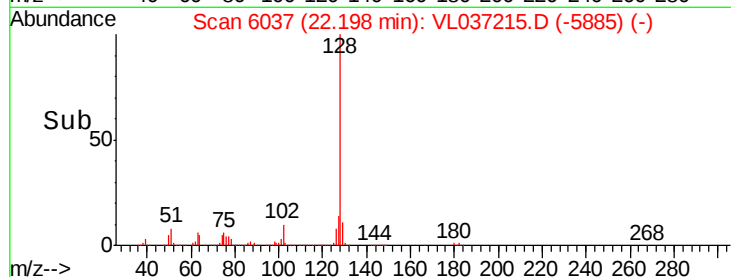
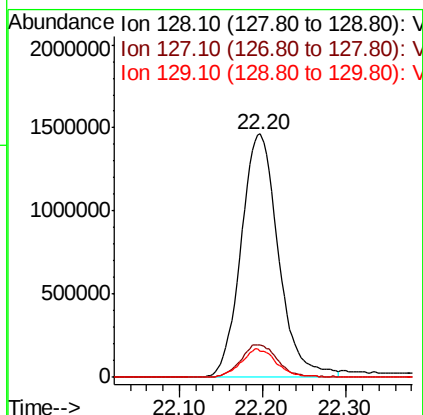
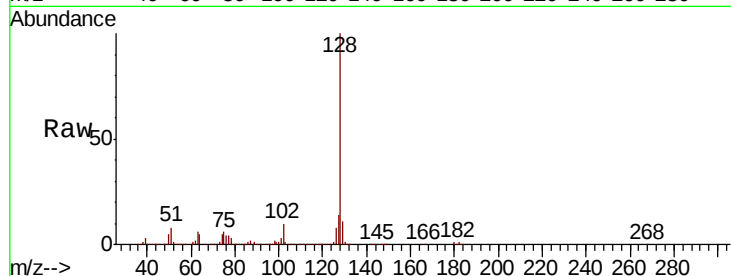




#79
Naphthalene
Concen: 9.039 ppbv
RT: 22.20 min Scan# 6037
Delta R.T. -0.01 min
Lab File: VL037215.D
Acq: 17 Jun 2021 23:51

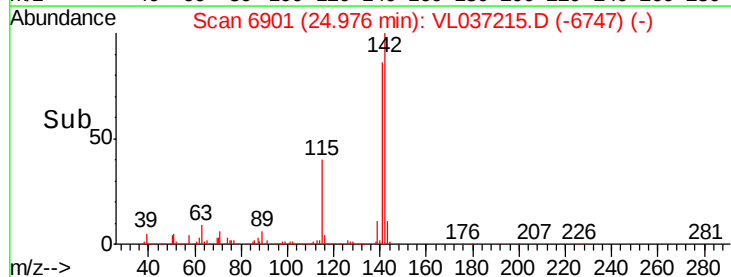
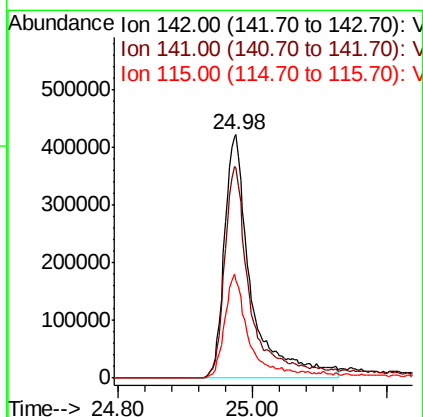
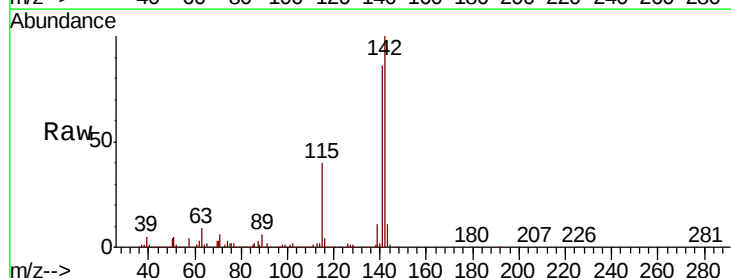
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

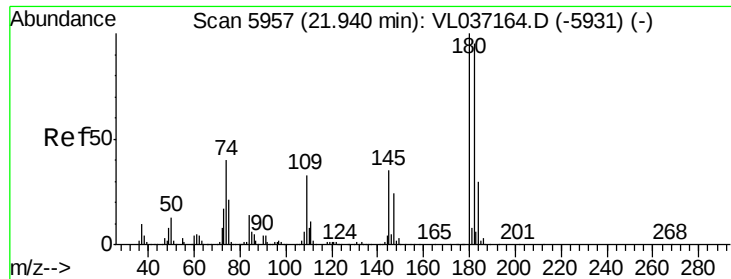
Tot Ion:128 Resp: 4586230
Ion Ratio Lower Upper
128 100
127 13.5 10.7 16.1
129 10.7 9.3 13.9



#80
Naphthalene, 2-methyl-
Concen: 8.778 ppbv
RT: 24.98 min Scan# 6901
Delta R.T. -0.01 min
Lab File: VL037215.D
Acq: 17 Jun 2021 23:51

Tgt Ion:142 Resp: 1168074
Ion Ratio Lower Upper
142 100
141 87.9 63.7 95.5
115 43.4 30.6 45.8





#81

1,2,4-Trichlorobenzene

Concen: 8.367 ppbv

RT: 21.92 min Scan# 5952

Delta R.T. -0.02 min

Lab File: VL037215.D

Acq: 17 Jun 2021 23:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

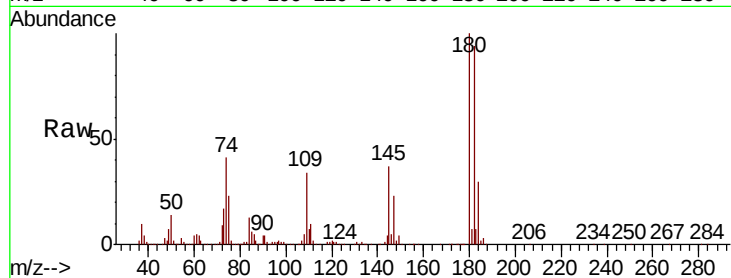
Tot Ion:180 Resp: 2449728

Ion Ratio Lower Upper

180 100

182 97.6 79.3 118.9

184 30.6 24.7 37.1



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

