

Data File : VL037415.D
Acq On : 12 Aug 2021 14:49
Operator : SY/AP
Sample : VSTDIC015
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Quant Time: Aug 12 15:19:36 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081221AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Aug 12 11:34:23 2021
QLast Update : Thu Aug 12 11:34:23 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1318757	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3983463	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	4939683	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2637059	7.16	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	71.60%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.05	85	2207340	9.260	ppbv	96
3) Chlorodifluoromethane	2.99	51	3420618	13.950	ppbv	100
4) Chloromethane	3.14	50	1259535	13.947	ppbv	99
5) Vinyl Chloride	3.26	62	1363035	14.774	ppbv	98
6) Bromomethane	3.47	94	740473	14.642	ppbv	87
7) Chloroethane	3.56	64	485168	15.358	ppbv	94
8) Dichlorotetrafluoroethane	3.19	85	2955905	14.214	ppbv	100
9) Propene	3.01	41	1117117	13.381	ppbv	95
10) Heptane	8.13	43	3009257	15.240	ppbv	99
11) Trichlorofluoromethane	3.95	101	2996561	14.953	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.49	101	2174423	15.245	ppbv	99
13) Ethanol	3.61	45	46290	4.594	ppbv #	1
14) Bromoethene	3.74	108	992770	15.218	ppbv	100
15) Acetone	3.85	43	1716486	13.662	ppbv	97
16) 1,3-Butadiene	3.33	39	1323627	14.996	ppbv	99
17) tert-Butyl alcohol	4.29	59	1773927	15.781	ppbv	99
18) 1,1-Dichloroethene	4.29	96	987871	15.286	ppbv	95
19) Isopropyl Alcohol	3.97	45	1036670	14.331	ppbv #	98
20) Methylene Chloride	4.35	84	883443	12.948	ppbv	95
21) Allyl Chloride	4.41	41	1565038	15.880	ppbv	100
22) trans-1,2-Dichloroethene	4.89	96	981362	16.068	ppbv	95
23) Vinyl Acetate	5.08	43	3206845	15.880	ppbv	99
24) 1,1-Dichloroethane	5.01	63	2273841	14.316	ppbv	99
25) Ethyl Acetate	5.68	43	4717629	14.665	ppbv	99
26) Hexane	5.69	57	2282955	14.014	ppbv	99
27) Carbon Disulfide	4.55	76	2351890	17.226	ppbv	99
28) Methyl tert-Butyl Ether	5.04	73	2605647	14.977	ppbv	100
29) Chloroform	5.75	83	3408688	14.592	ppbv	99
30) Cyclohexane	7.13	84	1982638	14.703	ppbv	98
31) cis-1,2-Dichloroethene	5.55	61	2249093	15.408	ppbv	96
32) 1,1,1-Trichloroethane	6.52	97	3334860	14.724	ppbv	100
34) 2-Butanone	5.24	43	2138245	14.127	ppbv	97
35) Carbon Tetrachloride	7.02	117	3518082	15.836	ppbv	97
36) Benzene	6.90	78	4750607	15.028	ppbv	97
37) 1,2-Dichloroethane	6.31	62	2487487	15.384	ppbv	99
38) Trichloroethene	7.84	130	1908043	14.176	ppbv	95
39) 1,2-Dichloropropane	7.62	63	1803535	15.606	ppbv	99
40) 1,4-Dioxane	7.84	88	175372	5.695	ppbv #	100
41) Tetrahydrofuran	6.05	42	1129069	15.869	ppbv	98
42) Bromodichloromethane	7.79	83	3583188	15.676	ppbv	96
43) Methyl Methacrylate	8.01	69	1756601	15.966	ppbv	99

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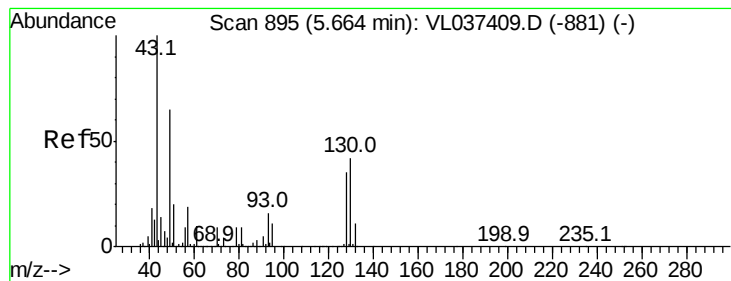
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	7630805	14.472	ppbv	98
45) t-1,3-Dichloropropene	9.28	75	1563222	18.926	ppbv	99
46) cis-1,3-Dichloropropene	8.71	75	1947322	17.428	ppbv	99
47) 1,1,2-Trichloroethane	9.48	97	1957439	15.030	ppbv	97
48) Dibromochloromethane	10.30	129	3164916	16.477	ppbv	99
49) Bromoform	13.04	173	2451290	16.242	ppbv	91
50) 4-Methyl-2-Pentanone	8.74	43	3107399	15.715	ppbv	99
51) 2-Hexanone	10.14	43	1518090	17.323	ppbv #	99
52) Tetrachloroethene	11.22	164	1746299	13.552	ppbv	94
53) Toluene	9.81	91	5531612	15.089	ppbv	100
54) 1,2-Dibromoethane	10.61	107	2817643	15.284	ppbv	94
56) 1,1,1,2-Tetrachloroethane	12.12	131	2043332	10.701	ppbv #	67
57) Chlorobenzene	12.15	112	3942617	10.342	ppbv	96
58) Ethyl Benzene	12.71	91	6909890	10.480	ppbv	96
59) m/p-Xylene	13.00	91	11664276	20.548	ppbv	97
60) o-Xylene	13.70	91	5369253	10.202	ppbv	100
61) Styrene	13.53	104	3118022	11.437	ppbv	99
62) Isopropylbenzene	14.67	105	7904420	10.662	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.68	83	3927674	9.869	ppbv	99
64) n-propylbenzene	15.56	120	1972090	10.482	ppbv	98
65) tert-Butylbenzene	16.74	119	6709517	10.034	ppbv	98
66) Benzyl Chloride	16.99	91	444223	15.670	ppbv #	98
67) sec-Butylbenzene	17.29	105	9318074	10.137	ppbv	100
69) p-Isopropyltoluene	17.65	119	7985670	10.757	ppbv	99
70) n-Butylbenzene	18.55	91	7893015	11.316	ppbv	99
71) 2-Chlorotoluene	15.46	91	5615125	10.375	ppbv	99
72) 4-Ethyltoluene	15.84	105	6982276	11.344	ppbv	97
73) 1,3,5-Trimethylbenzene	16.00	105	5984630	10.482	ppbv	98
74) 1,2,4-Trimethylbenzene	16.77	105	6204841	10.702	ppbv	97
75) 1,3-Dichlorobenzene	17.00	146	3830114	10.872	ppbv	99
76) 1,4-Dichlorobenzene	17.14	146	3779417	10.925	ppbv	98
77) 1,2-Dichlorobenzene	17.82	146	3703582	10.908	ppbv	100
78) Hexachloro-1,3-Butadiene	23.37	225	2744317	10.080	ppbv	100
79) Naphthalene	22.19	128	5046648	15.978	ppbv	98
80) Naphthalene,2-methyl-	24.97	142	1511196	24.338	ppbv	96
81) 1,2,4-Trichlorobenzene	21.92	180	2953917	13.638	ppbv	99

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

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. 0.00 min

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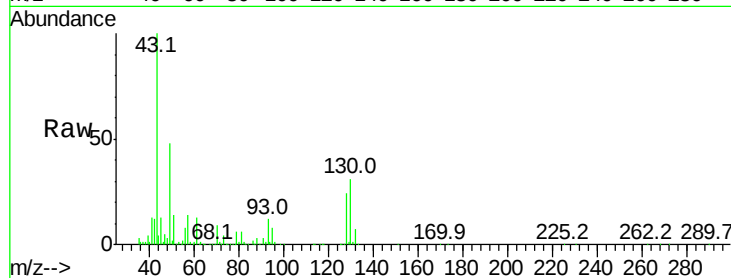
Tgt Ion: 49 Resp: 1318757

Ion Ratio Lower Upper

49 100

128 57.5 27.9 83.6

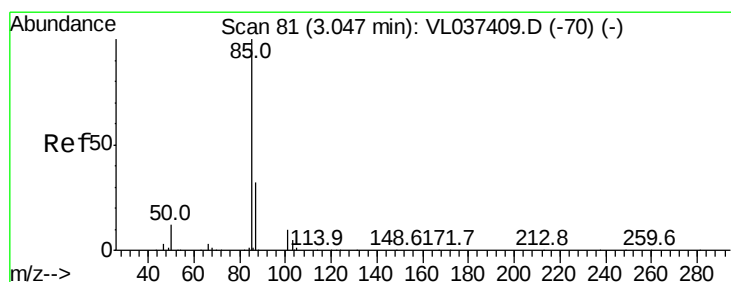
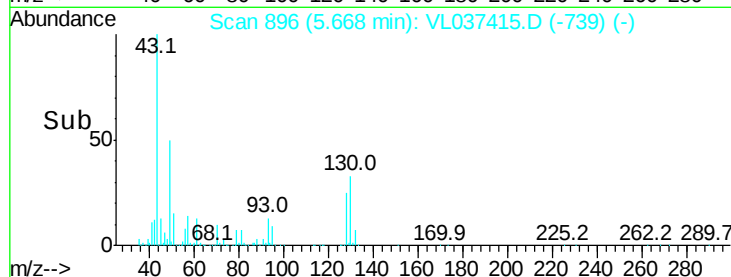
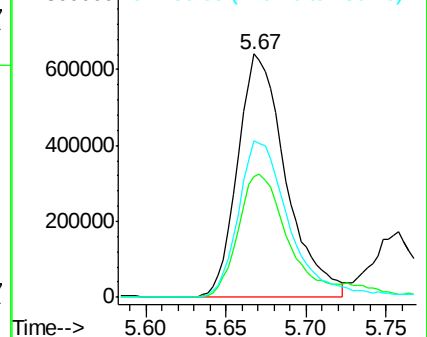
130 69.7 34.6 103.8



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 9.260 ppbv

RT: 3.05 min Scan# 82

Delta R.T. 0.00 min

Lab File: VL037415.D

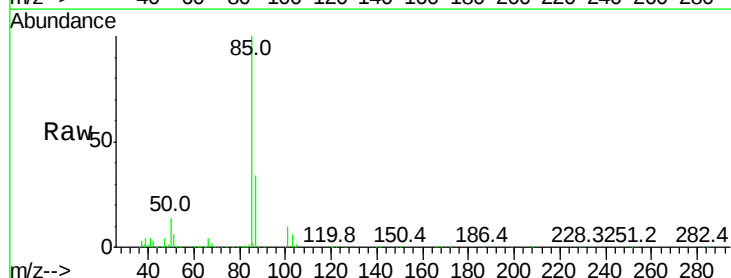
Acq: 12 Aug 2021 14:49

Tgt Ion: 85 Resp: 2207340

Ion Ratio Lower Upper

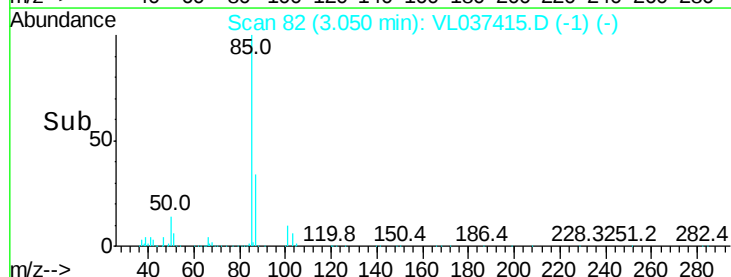
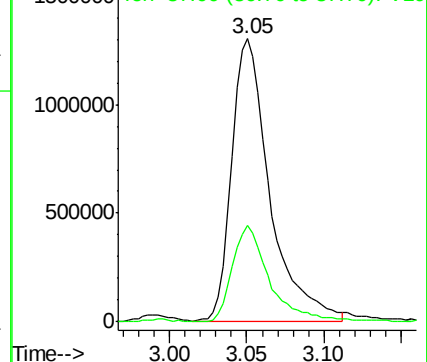
85 100

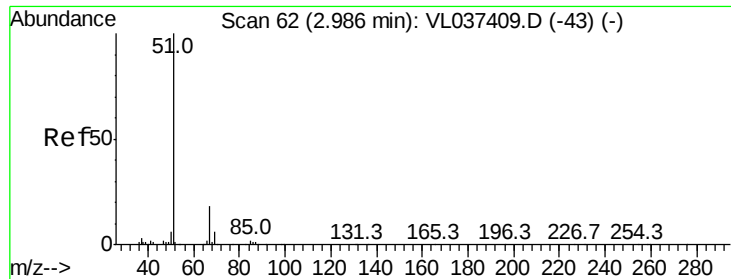
87 34.2 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 13.950 ppbv

RT: 2.99 min Scan# 63

Delta R.T. 0.00 min

Lab File: VL037415.D

Acq: 12 Aug 2021 14:49

Instrument :

MSVOA_L

ClientSampleId :

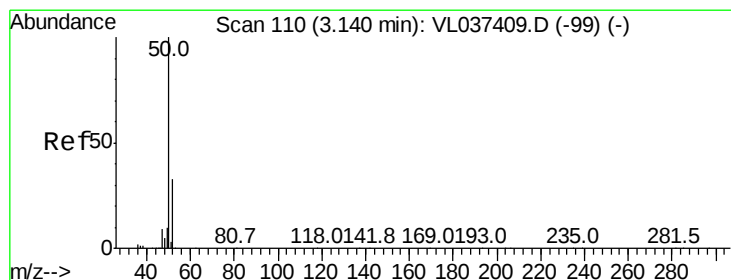
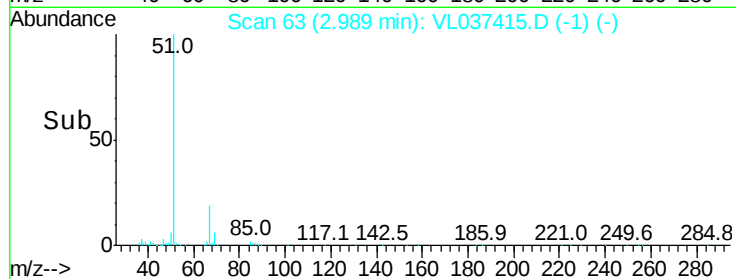
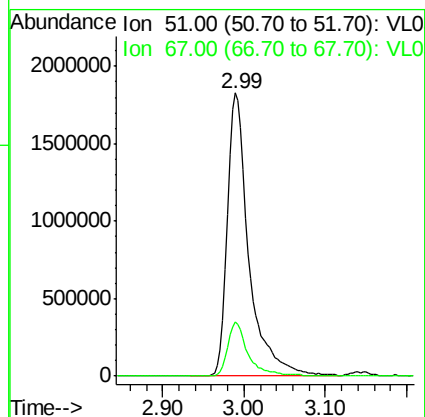
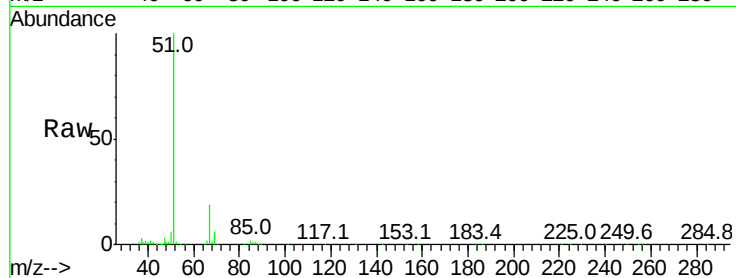
VSTDIC015

Tgt Ion: 51 Resp: 3420618

Ion Ratio Lower Upper

51 100

67 18.3 14.7 22.1



#4

Chloromethane

Concen: 13.947 ppbv

RT: 3.14 min Scan# 110

Delta R.T. 0.00 min

Lab File: VL037415.D

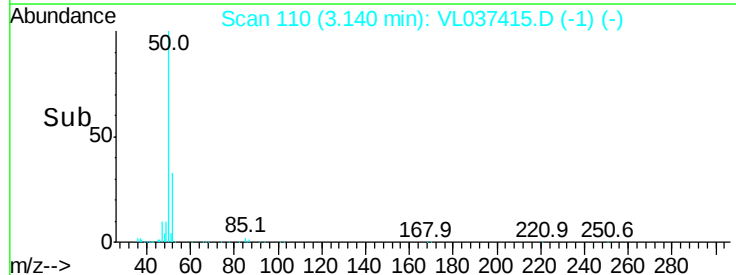
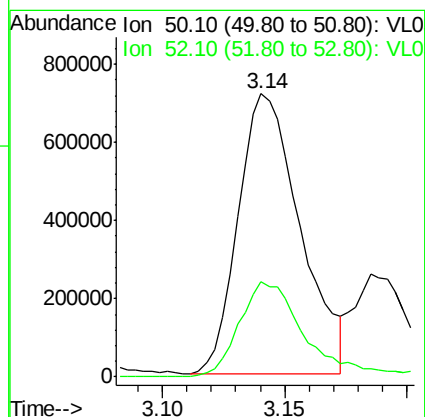
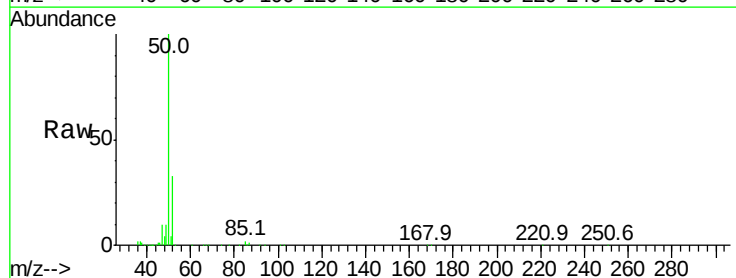
Acq: 12 Aug 2021 14:49

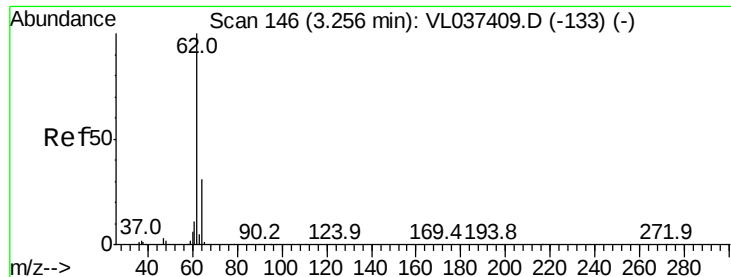
Tgt Ion: 50 Resp: 1259535

Ion Ratio Lower Upper

50 100

52 33.6 26.2 39.4





#5

Vinyl Chloride

Concen: 14.774 ppbv

RT: 3.26 min Scan# 147

Delta R.T. 0.00 min

Lab File: VL037415.D

Acq: 12 Aug 2021 14:49

Instrument :

MSVOA_L

ClientSampleId :

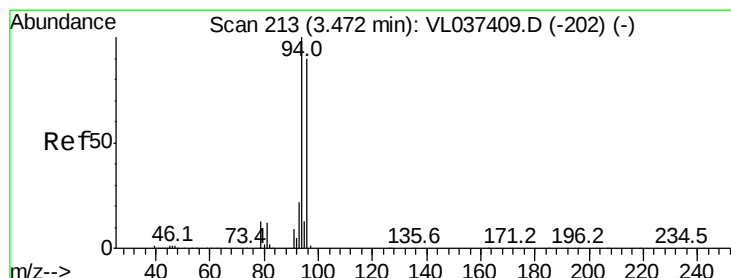
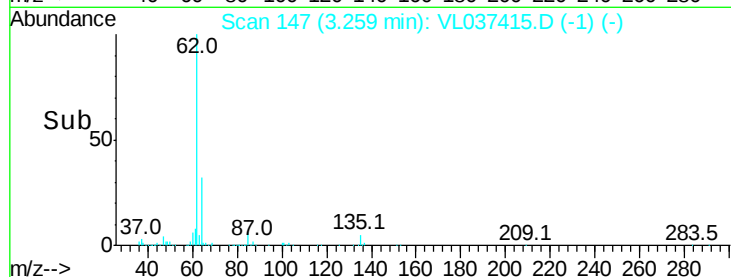
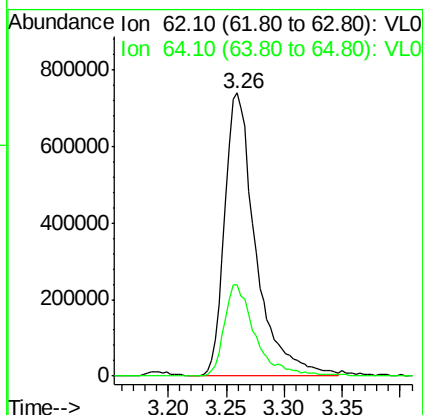
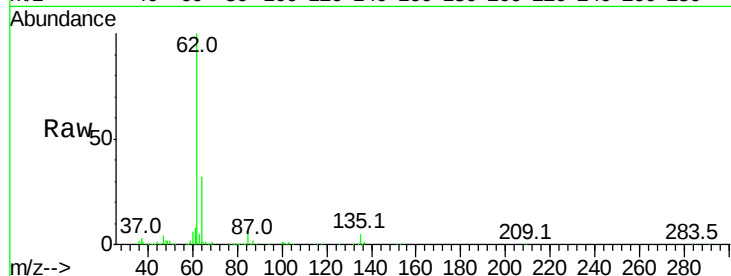
VSTDIC015

Tgt Ion: 62 Resp: 1363035

Ion Ratio Lower Upper

62 100

64 32.4 25.0 37.6



#6

Bromomethane

Concen: 14.642 ppbv

RT: 3.47 min Scan# 214

Delta R.T. 0.00 min

Lab File: VL037415.D

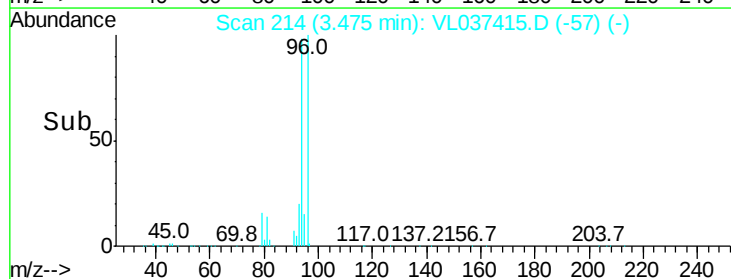
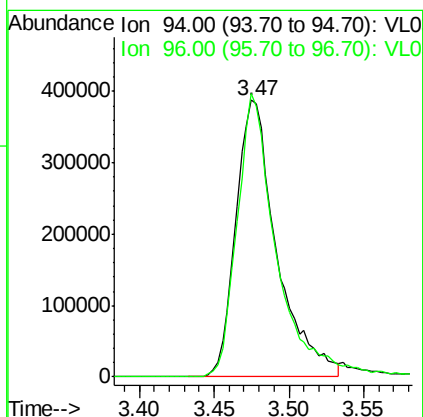
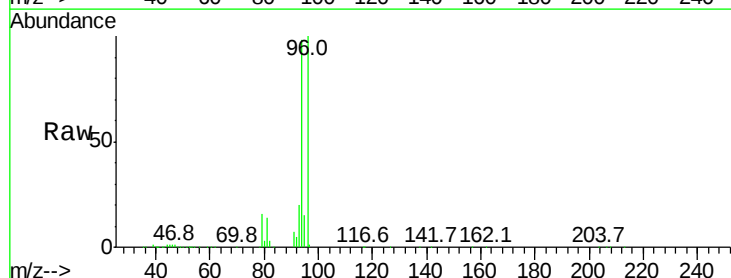
Acq: 12 Aug 2021 14:49

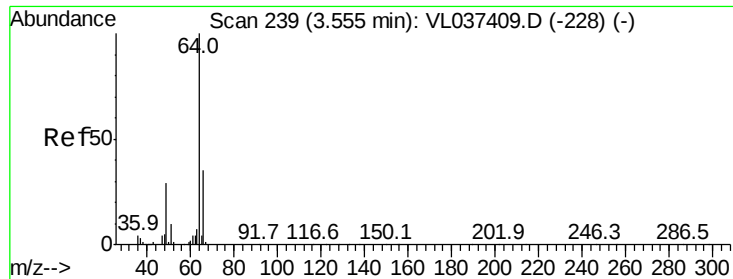
Tgt Ion: 94 Resp: 740473

Ion Ratio Lower Upper

94 100

96 102.4 72.2 108.4





#7

Chloroethane

Concen: 15.358 ppbv

RT: 3.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VL037415.D

Acq: 12 Aug 2021 14:49

Instrument :

MSVOA_L

ClientSampleId :

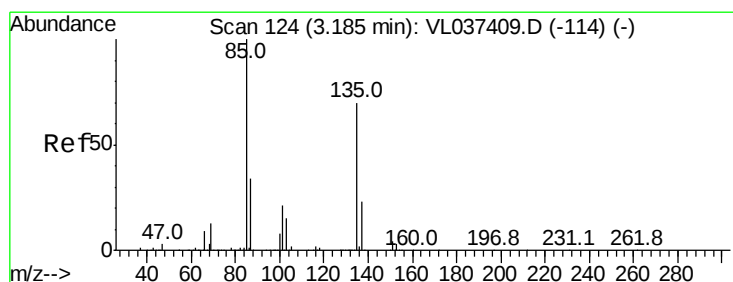
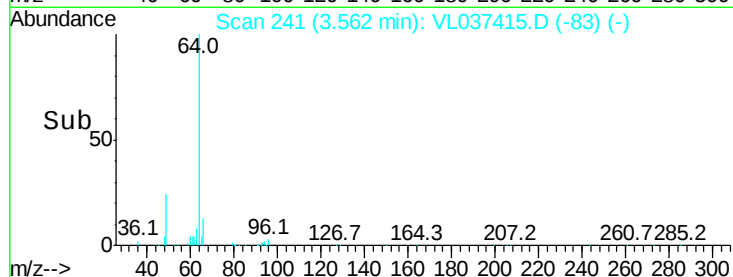
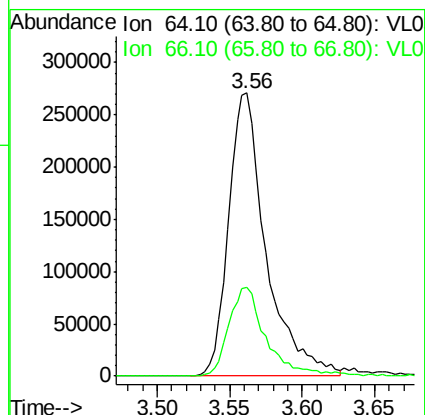
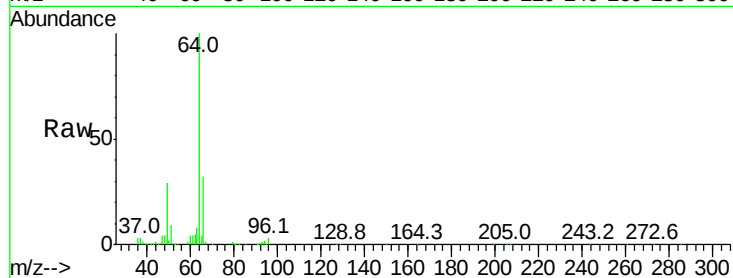
VSTDIC015

Tgt Ion: 64 Resp: 485168

Ion Ratio Lower Upper

64 100

66 31.5 27.8 41.8



#8

Dichlorotetrafluoroethane

Concen: 14.214 ppbv

RT: 3.19 min Scan# 125

Delta R.T. 0.00 min

Lab File: VL037415.D

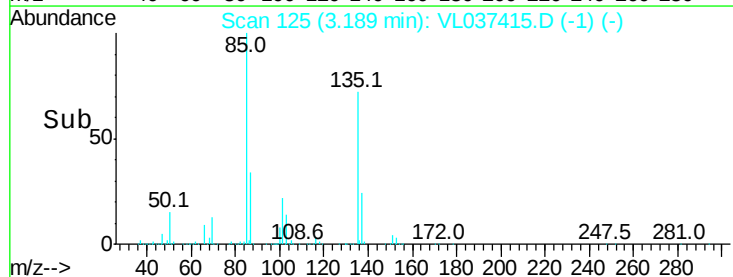
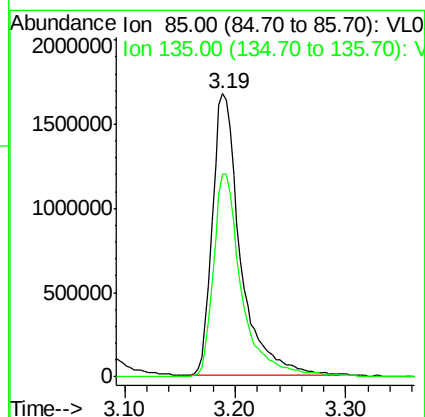
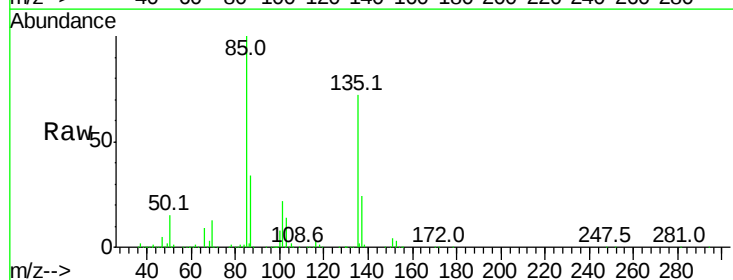
Acq: 12 Aug 2021 14:49

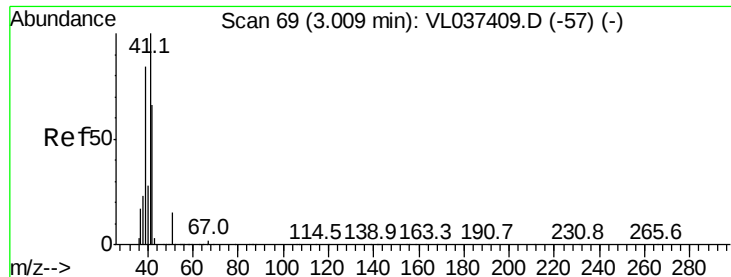
Tgt Ion: 85 Resp: 2955905

Ion Ratio Lower Upper

85 100

135 73.3 58.6 88.0





#9

Propene

Concen: 13.381 ppbv

RT: 3.01 min Scan# 70

Delta R.T. 0.00 min

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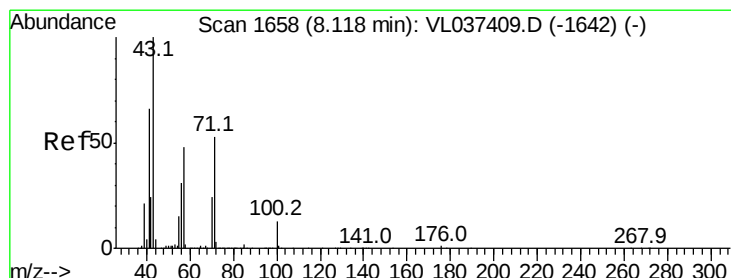
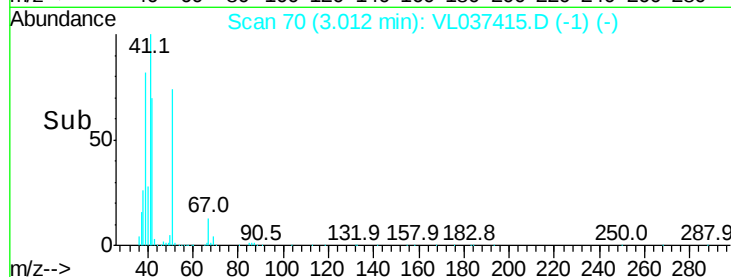
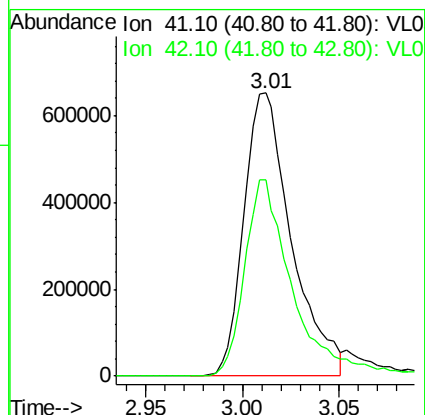
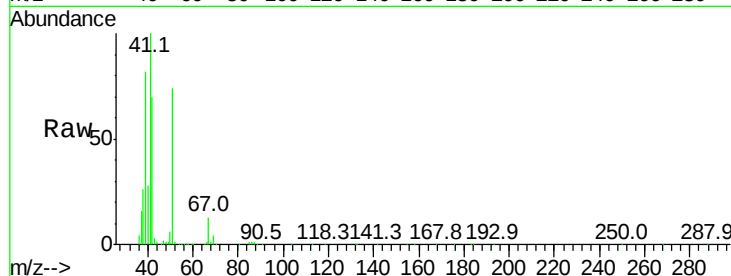
VSTDIC015

Tgt Ion: 41 Resp: 1117117

Ion Ratio Lower Upper

41 100

42 71.3 53.8 80.8



#10

Heptane

Concen: 15.240 ppbv

RT: 8.13 min Scan# 1661

Delta R.T. 0.01 min

Lab File: VL037415.D

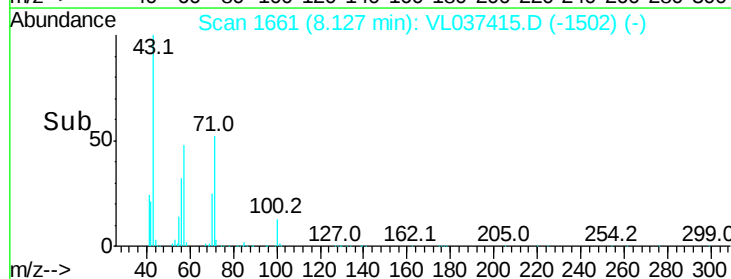
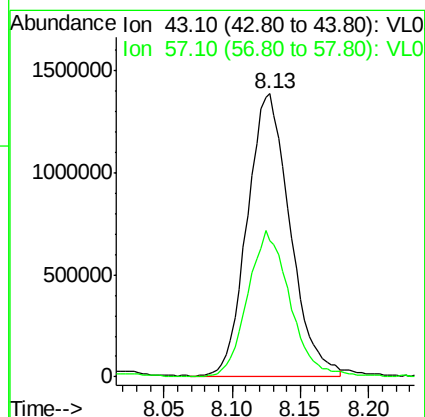
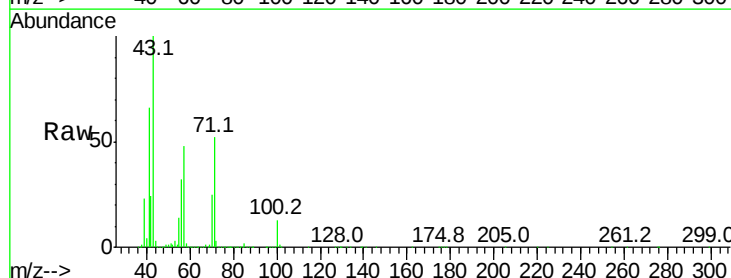
Acq: 12 Aug 2021 14:49

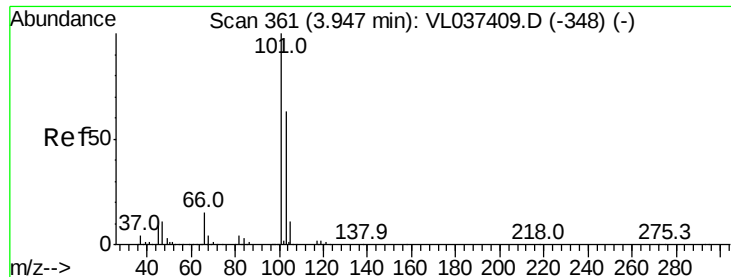
Tgt Ion: 43 Resp: 3009257

Ion Ratio Lower Upper

43 100

57 51.3 40.3 60.5





#11

Trichlorofluoromethane

Concen: 14.953 ppbv

RT: 3.95 min Scan# 362

Delta R.T. 0.00 min

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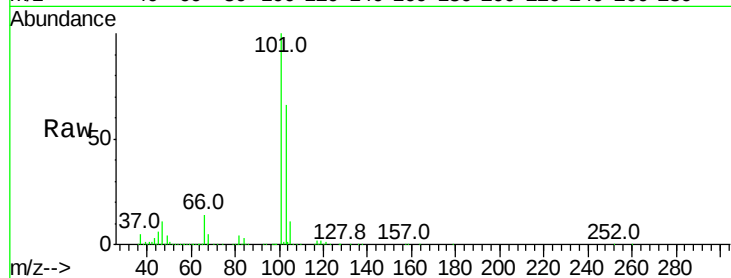
VSTDIC015

Tgt Ion:101 Resp: 2996561

Ion Ratio Lower Upper

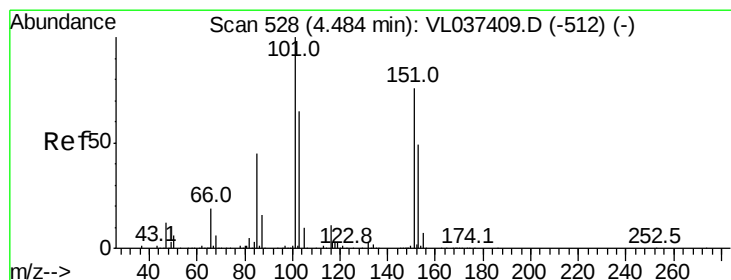
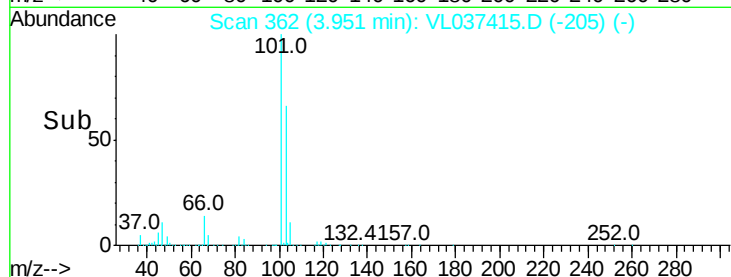
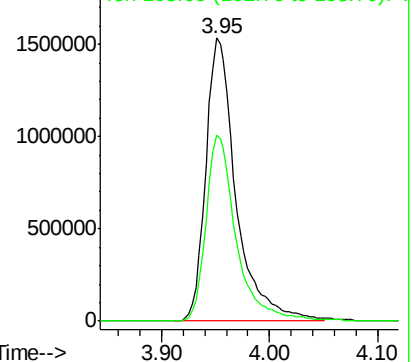
101 100

103 65.5 50.2 75.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 15.245 ppbv

RT: 4.49 min Scan# 529

Delta R.T. 0.00 min

Lab File: VL037415.D

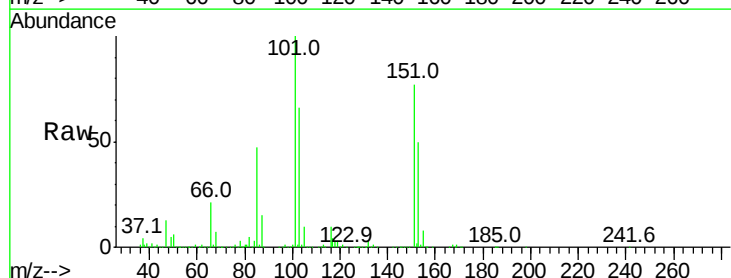
Acq: 12 Aug 2021 14:49

Tgt Ion:101 Resp: 2174423

Ion Ratio Lower Upper

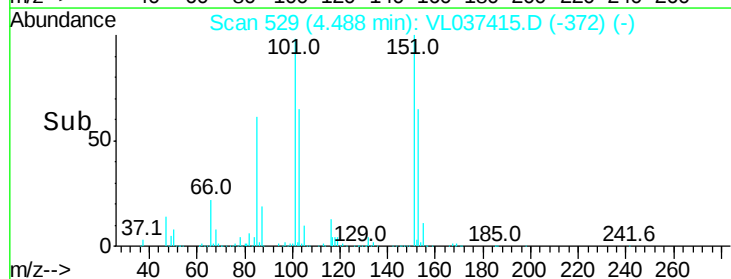
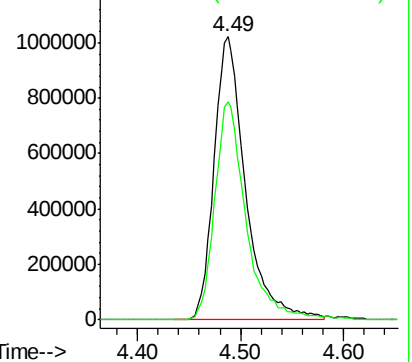
101 100

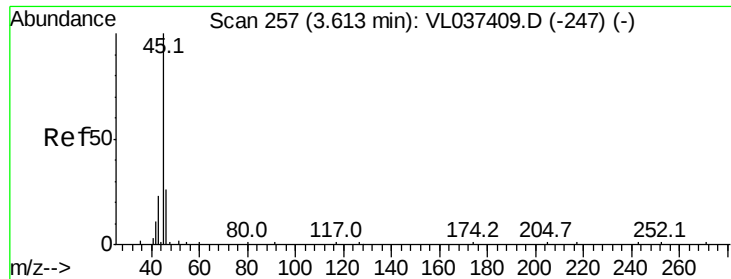
151 77.1 61.2 91.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 4.594 ppbv

RT: 3.61 min Scan# 256

Delta R.T. -0.00 min

Lab File: VL037415.D

Acq: 12 Aug 2021 14:49

Instrument :

MSVOA_L

ClientSampleId :

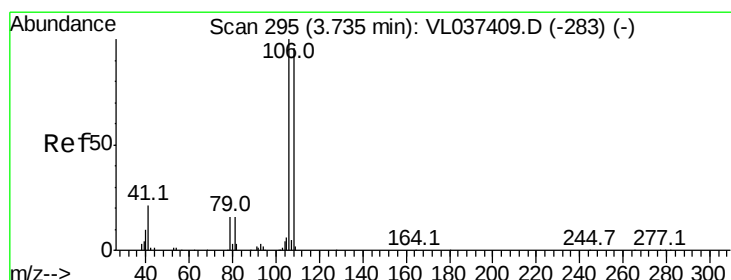
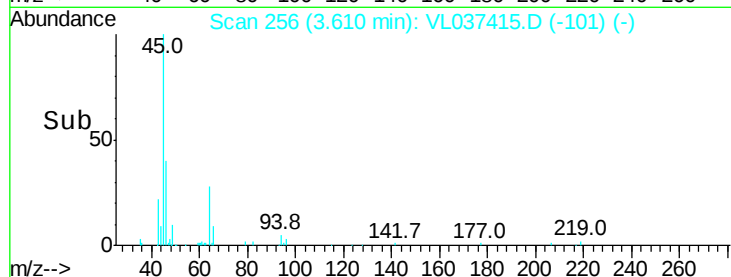
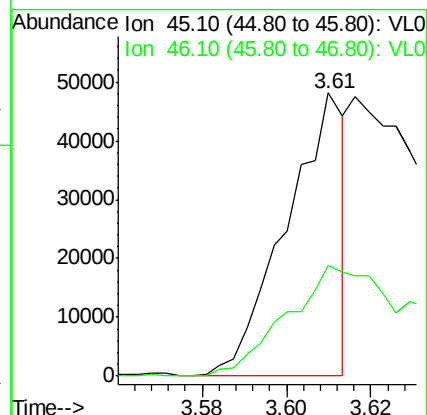
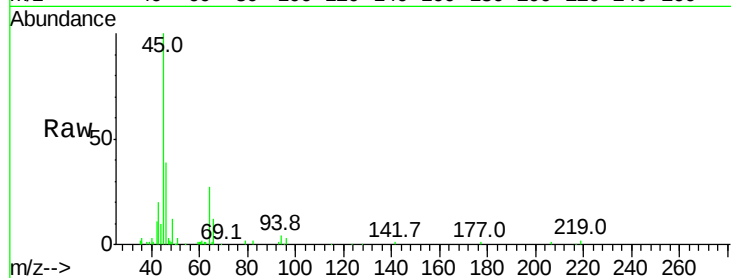
VSTDIC015

Tgt Ion: 45 Resp: 46290

Ion Ratio Lower Upper

45 100

46 112.0 18.0 72.2#



#14

Bromoethene

Concen: 15.218 ppbv

RT: 3.74 min Scan# 297

Delta R.T. 0.01 min

Lab File: VL037415.D

Acq: 12 Aug 2021 14:49

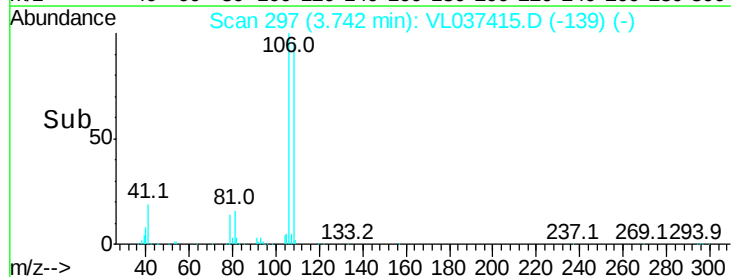
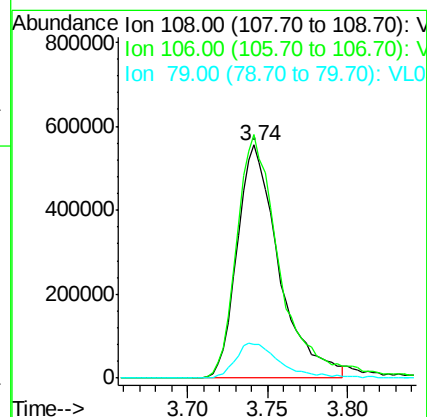
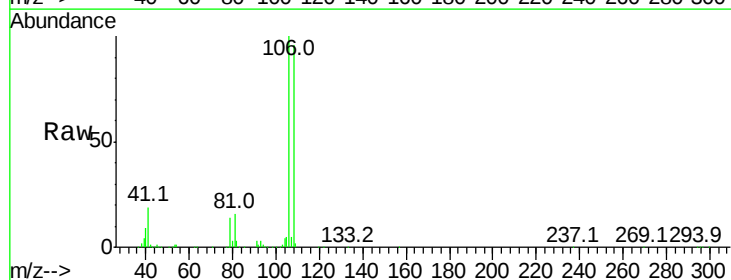
Tgt Ion: 108 Resp: 992770

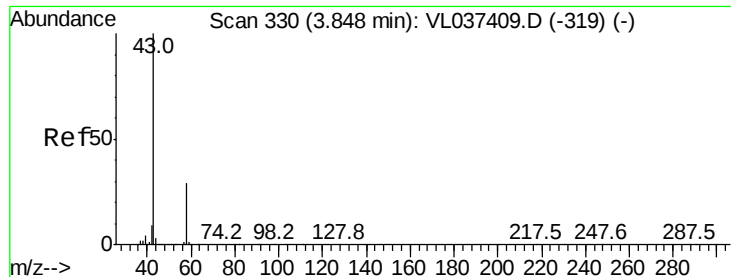
Ion Ratio Lower Upper

108 100

106 109.5 87.5 131.3

79 16.5 13.5 20.3

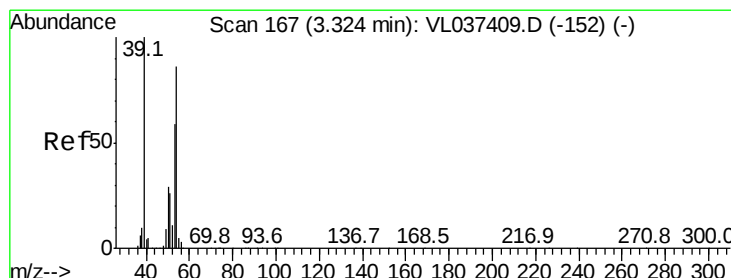
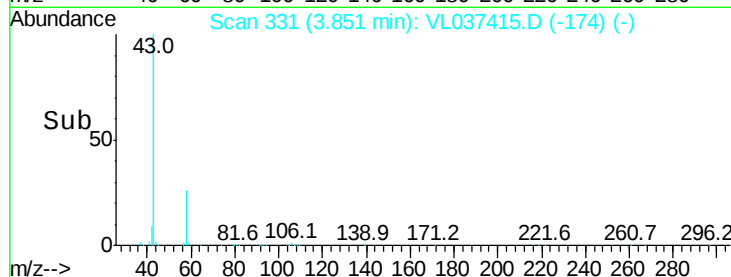
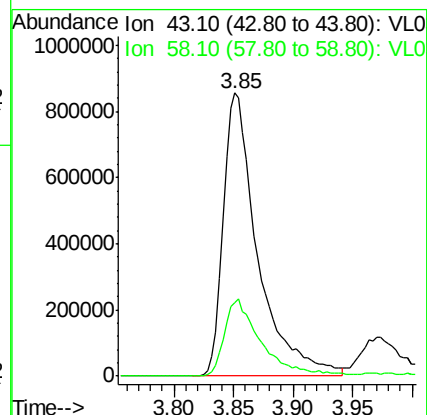
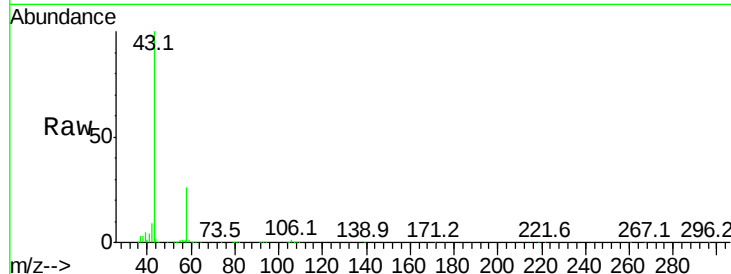




#15
Acetone
Concen: 13.662 ppbv
RT: 3.85 min Scan# 331
Delta R.T. 0.00 min
Lab File: VL037415.D
Acq: 12 Aug 2021 14:49

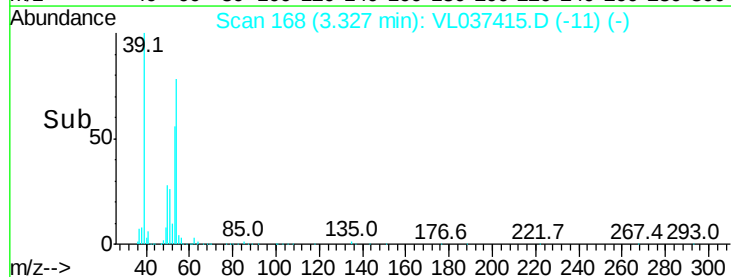
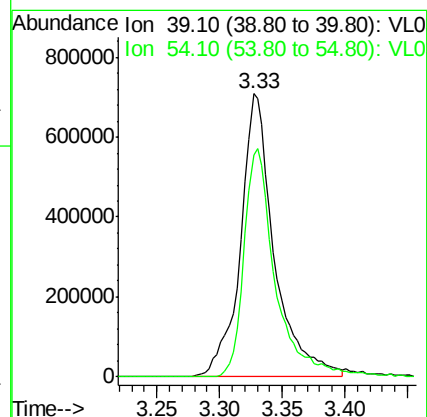
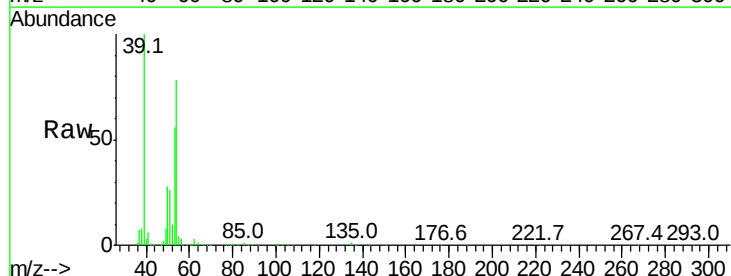
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

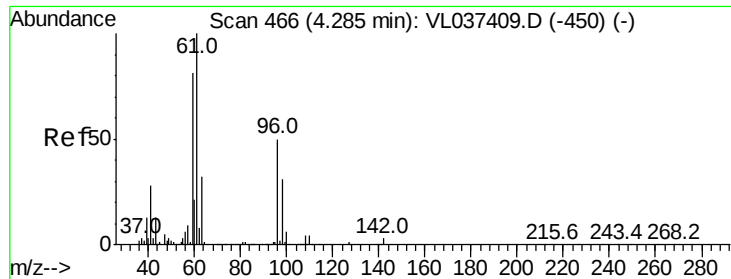
Tgt Ion: 43 Resp: 1716486
Ion Ratio Lower Upper
43 100
58 28.9 24.4 36.6



#16
1,3-Butadiene
Concen: 14.996 ppbv
RT: 3.33 min Scan# 168
Delta R.T. 0.00 min
Lab File: VL037415.D
Acq: 12 Aug 2021 14:49

Tgt Ion: 39 Resp: 1323627
Ion Ratio Lower Upper
39 100
54 75.9 61.4 92.0





#17

tert-Butyl alcohol

Concen: 15.781 ppbv

RT: 4.29 min Scan# 468

Delta R.T. 0.01 min

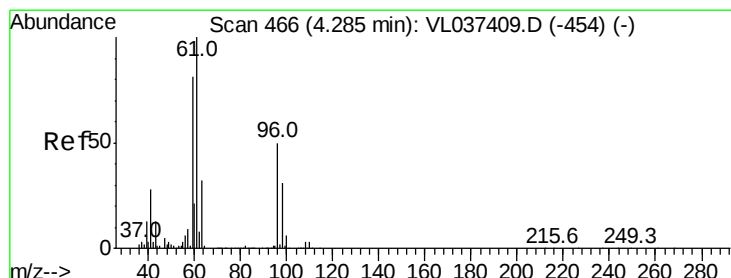
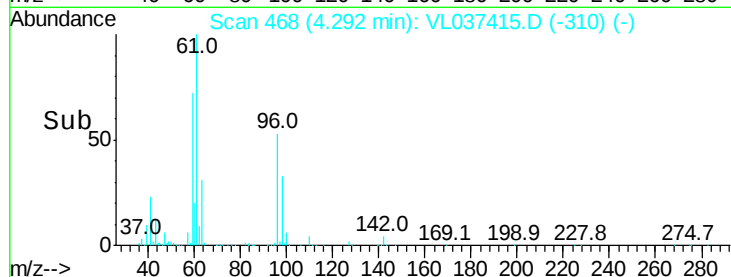
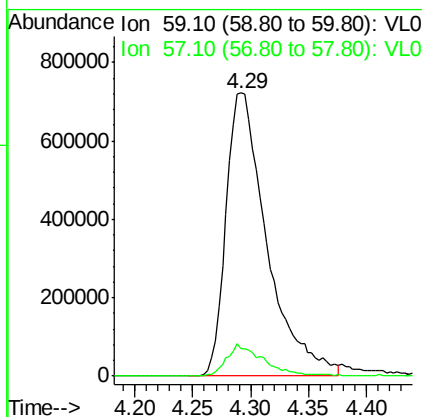
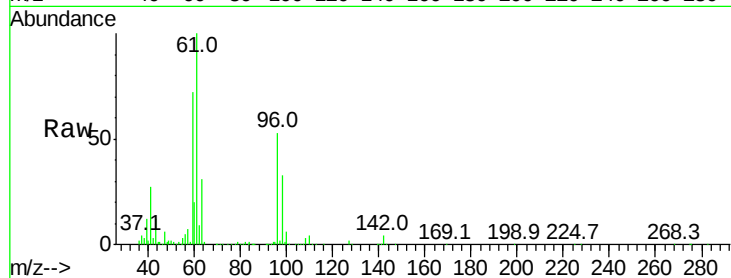
Lab File: VL037415.D

Acq: 12 Aug 2021 14:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 59 Resp: 1773927

Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.5	12.7



#18

1,1-Dichloroethene

Concen: 15.286 ppbv

RT: 4.29 min Scan# 468

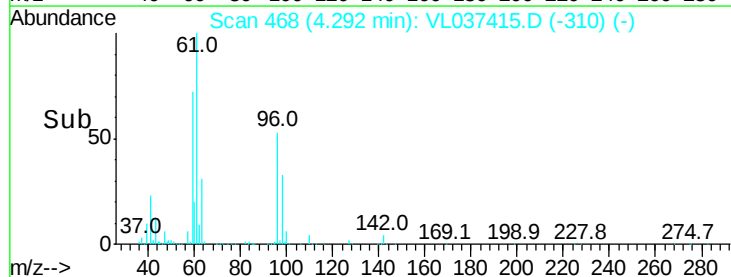
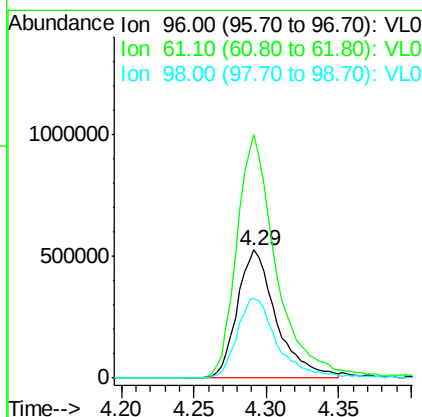
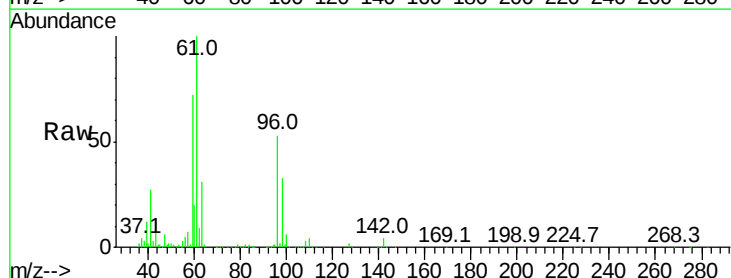
Delta R.T. 0.01 min

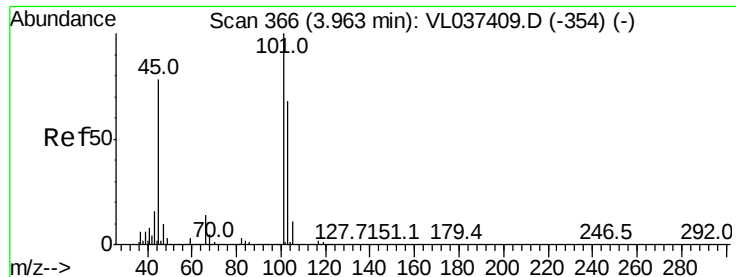
Lab File: VL037415.D

Acq: 12 Aug 2021 14:49

Tgt Ion: 96 Resp: 987871

Ion	Ratio	Lower	Upper
96	100		
61	189.9	159.0	238.4
98	62.1	49.4	74.2





#19

Isopropyl Alcohol

Concen: 14.331 ppbv

RT: 3.97 min Scan# 367

Delta R.T. 0.00 min

Lab File: VL037415.D

Acq: 12 Aug 2021 14:49

Instrument :

MSVOA_L

ClientSampleId :

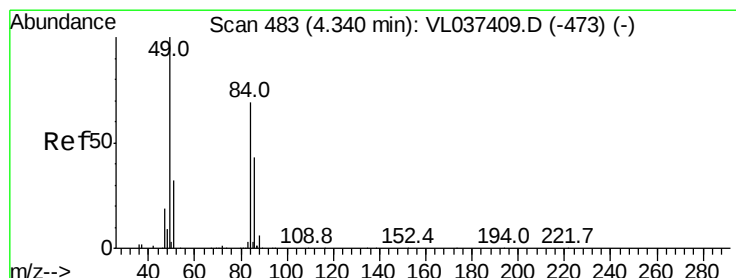
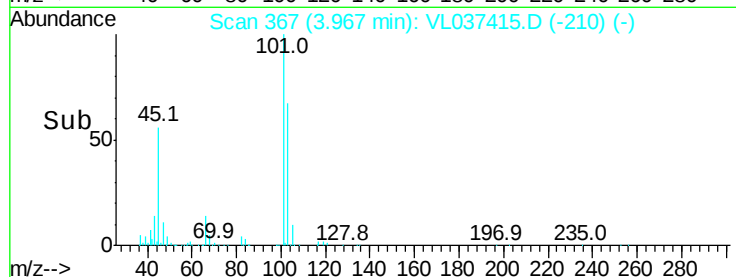
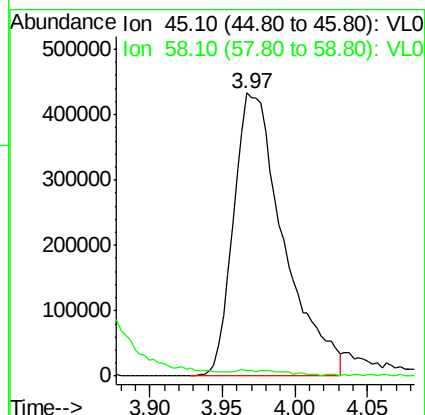
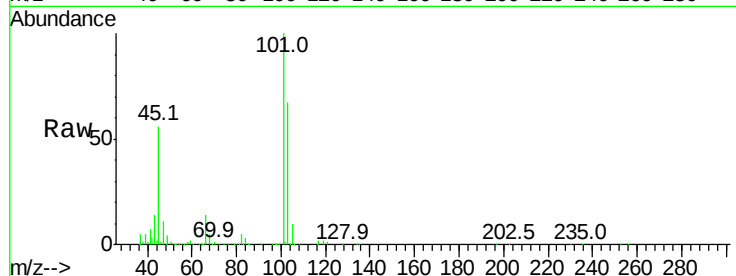
VSTDIC015

Tgt Ion: 45 Resp: 1036670

Ion Ratio Lower Upper

45 100

58 2.0 2.2 3.4#



#20

Methylene Chloride

Concen: 12.948 ppbv

RT: 4.35 min Scan# 485

Delta R.T. 0.01 min

Lab File: VL037415.D

Acq: 12 Aug 2021 14:49

Tgt Ion: 84 Resp: 883443

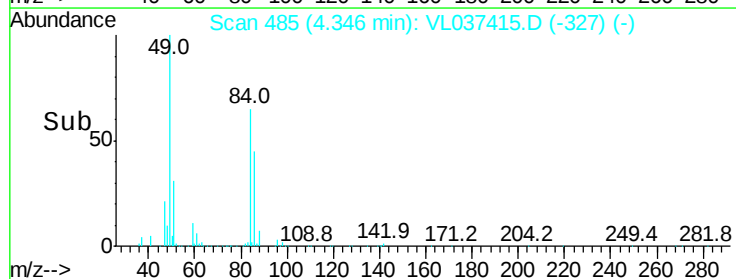
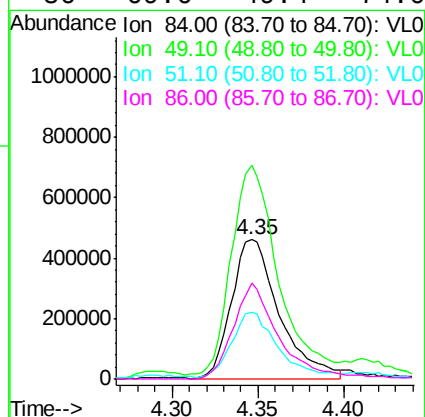
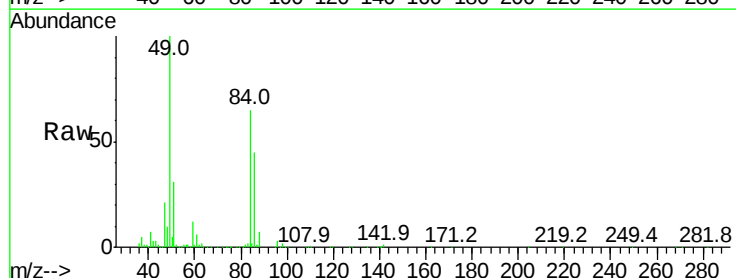
Ion Ratio Lower Upper

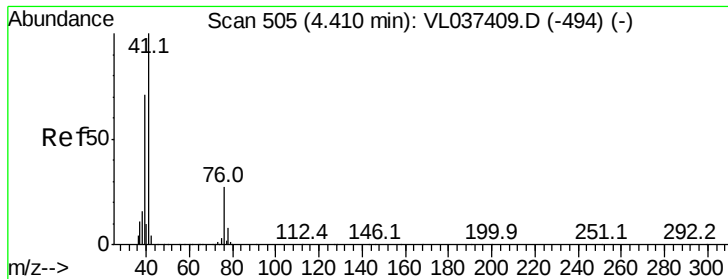
84 100

49 150.8 116.0 174.0

51 45.9 37.1 55.7

86 69.6 49.4 74.0





#21

Allyl Chloride

Concen: 15.880 ppbv

RT: 4.41 min Scan# 506

Delta R.T. 0.00 min

Lab File: VL037415.D

Acq: 12 Aug 2021 14:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

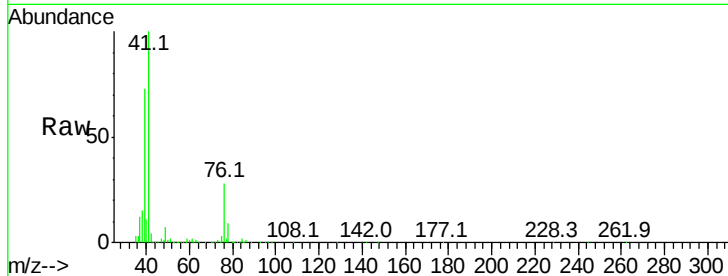
Tgt Ion: 41 Resp: 1565038

Ion Ratio Lower Upper

41 100

76 29.2 23.7 35.5

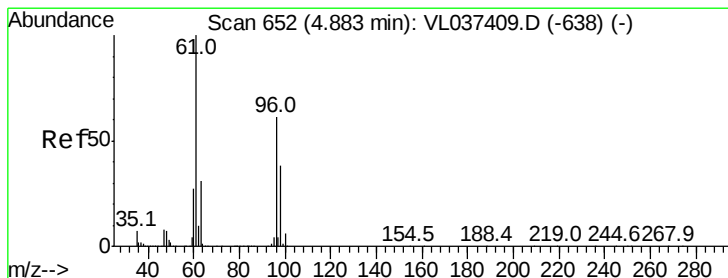
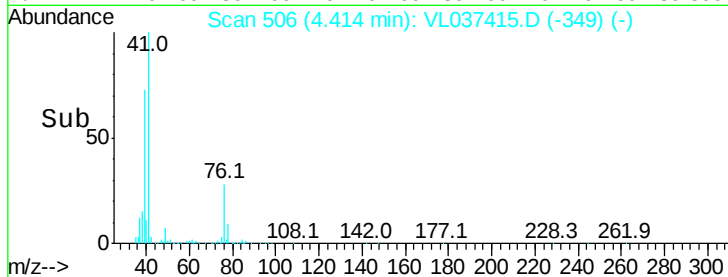
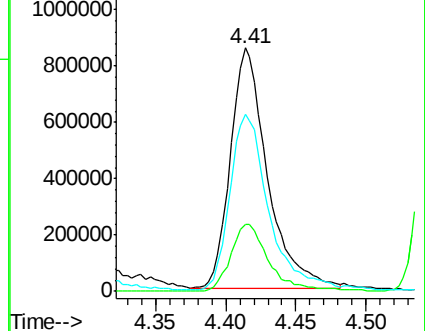
39 78.2 62.3 93.5



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 76.10 (75.80 to 76.80): VL0

Ion 39.10 (38.80 to 39.80): VL0



#22

trans-1,2-Dichloroethene

Concen: 16.068 ppbv

RT: 4.89 min Scan# 654

Delta R.T. 0.01 min

Lab File: VL037415.D

Acq: 12 Aug 2021 14:49

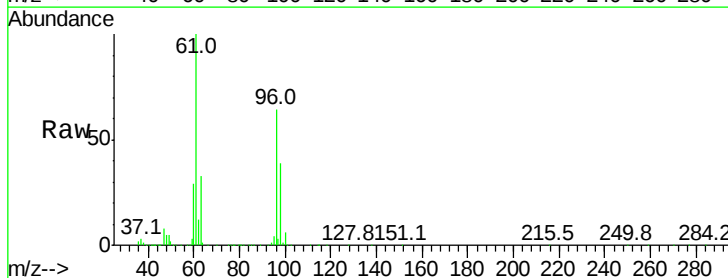
Tgt Ion: 96 Resp: 981362

Ion Ratio Lower Upper

96 100

61 155.5 131.0 196.4

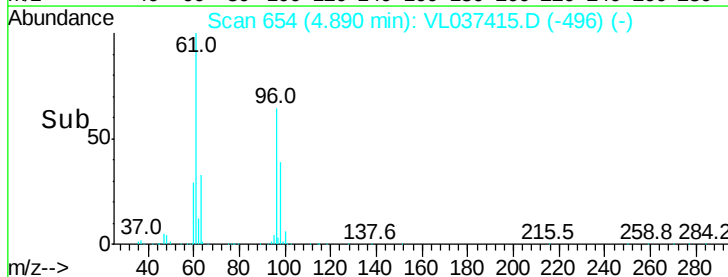
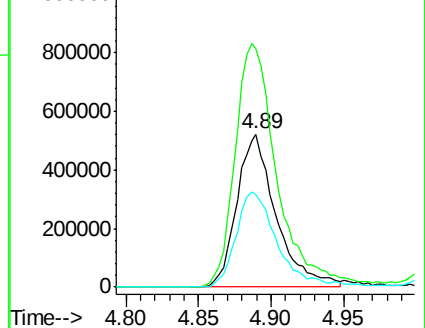
98 60.3 50.2 75.4

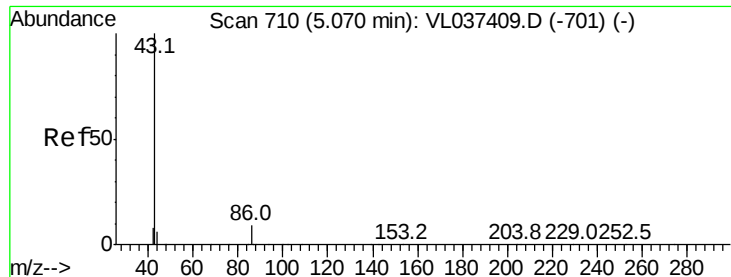


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 15.880 ppbv

RT: 5.08 min Scan# 712

Delta R.T. 0.01 min

Lab File: VL037415.D

Acq: 12 Aug 2021 14:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 43 Resp: 3206845

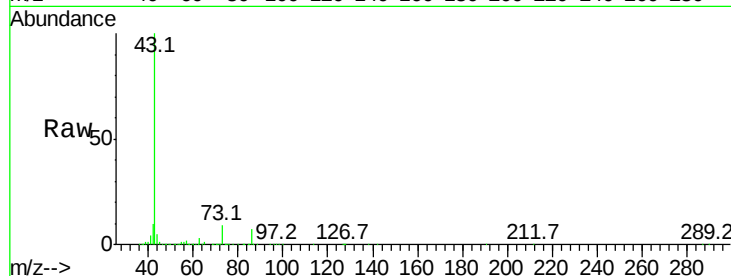
Ion Ratio Lower Upper

43 100

86 6.9 5.8 8.8

42 10.0 7.7 11.5

44 4.9 4.0 6.0

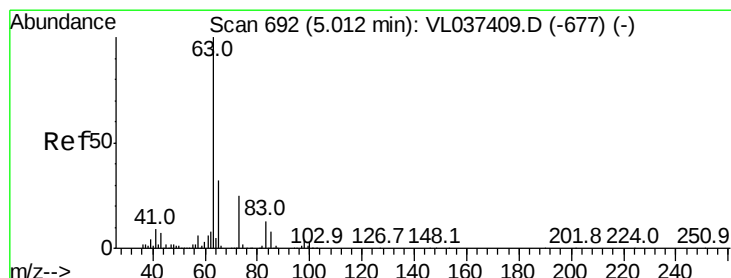
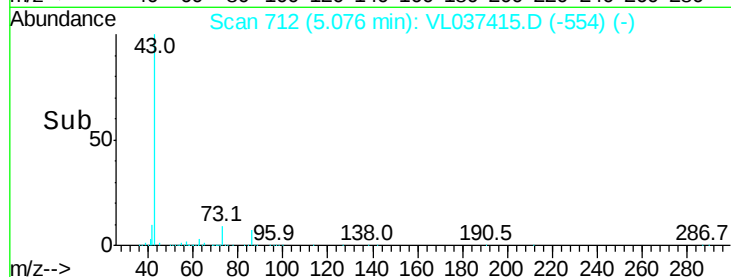
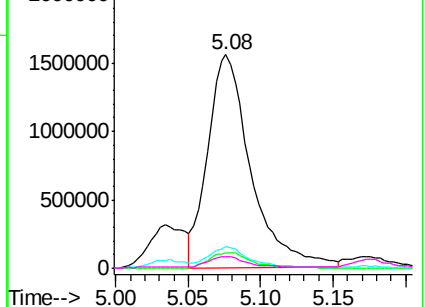


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 14.316 ppbv

RT: 5.01 min Scan# 693

Delta R.T. 0.00 min

Lab File: VL037415.D

Acq: 12 Aug 2021 14:49

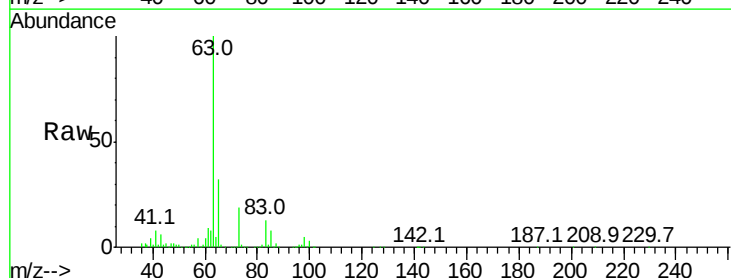
Tgt Ion: 63 Resp: 2273841

Ion Ratio Lower Upper

63 100

98 4.6 2.1 6.3

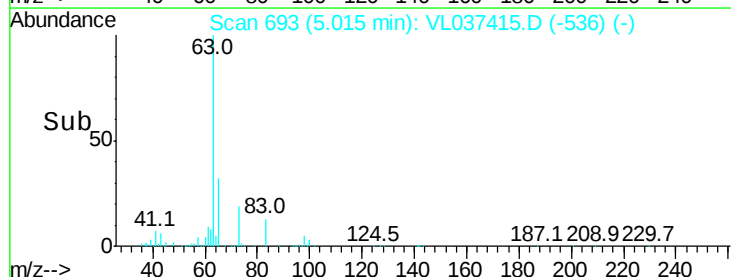
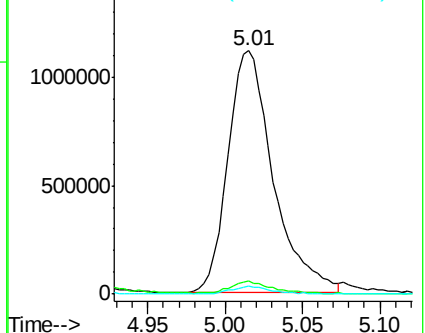
100 2.9 1.6 4.7

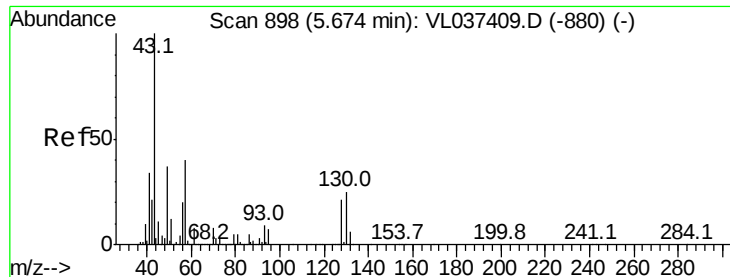


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



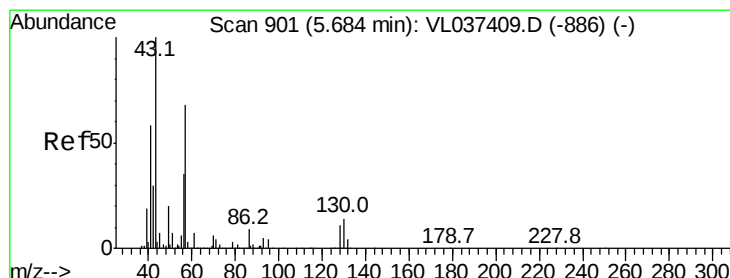
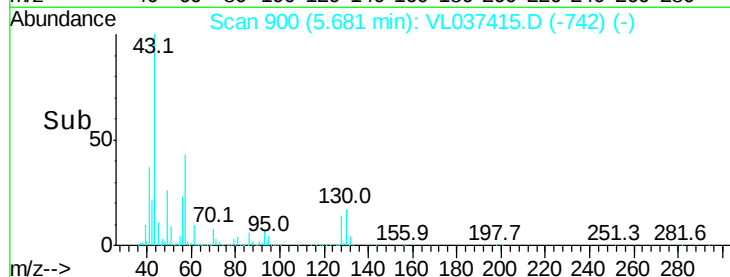
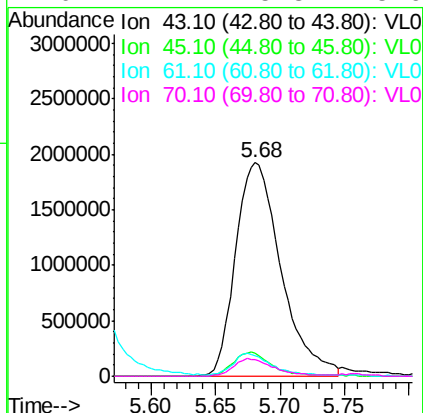
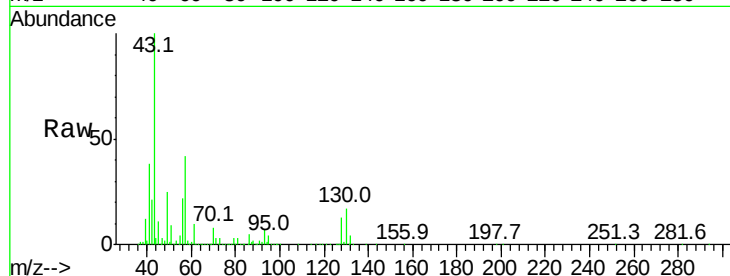


#25
Ethyl Acetate
Concen: 14.665 ppbv
RT: 5.68 min Scan# 900
Delta R.T. 0.01 min
Lab File: VL037415.D
Acq: 12 Aug 2021 14:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 43 Resp: 4717629

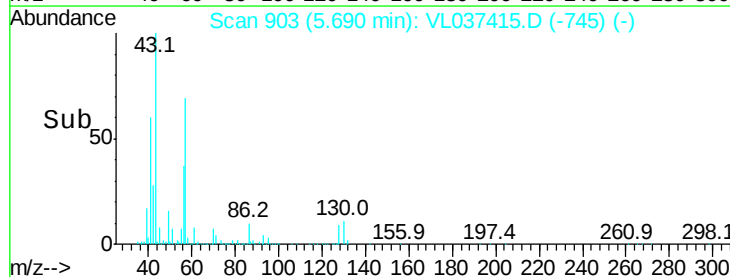
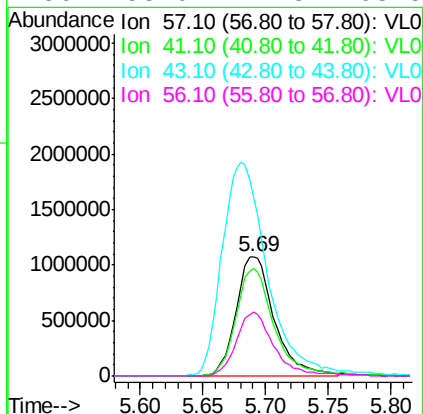
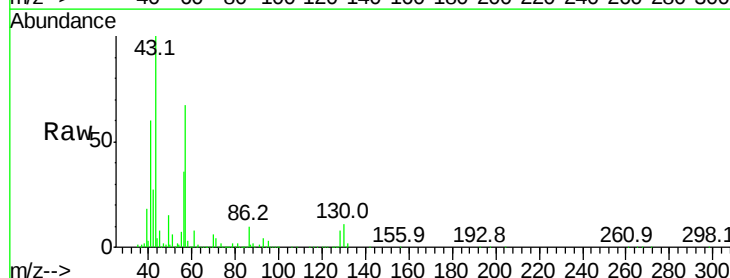
Ion	Ratio	Lower	Upper
43	100		
45	10.0	7.9	11.9
61	10.0	7.7	11.5
70	7.4	5.8	8.6

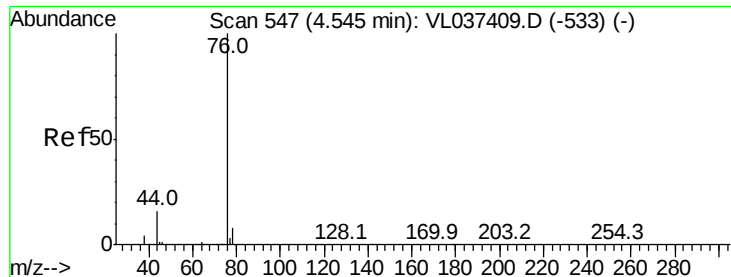


#26
Hexane
Concen: 14.014 ppbv
RT: 5.69 min Scan# 903
Delta R.T. 0.01 min
Lab File: VL037415.D
Acq: 12 Aug 2021 14:49

Tgt Ion: 57 Resp: 2282955

Ion	Ratio	Lower	Upper
57	100		
41	91.2	72.5	108.7
43	214.2	169.3	253.9
56	53.0	42.3	63.5





#27

Carbon Disulfide

Concen: 17.226 ppbv

RT: 4.55 min Scan# 549

Delta R.T. 0.01 min

Lab File: VL037415.D

Acq: 12 Aug 2021 14:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

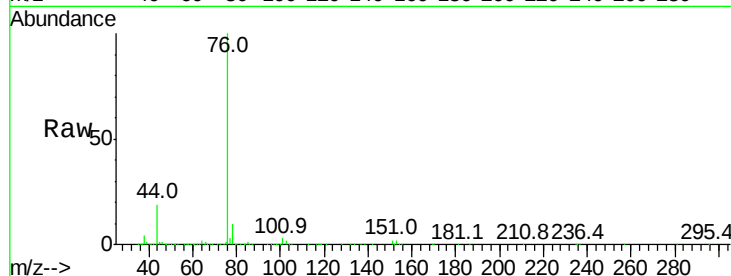
Tgt Ion: 76 Resp: 2351890

Ion Ratio Lower Upper

76 100

44 18.4 14.4 21.6

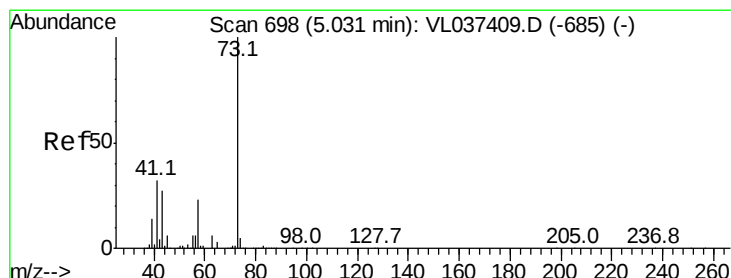
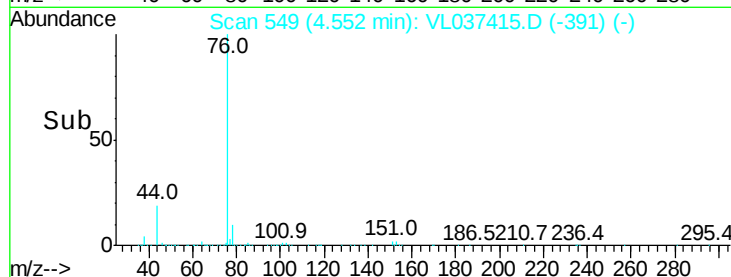
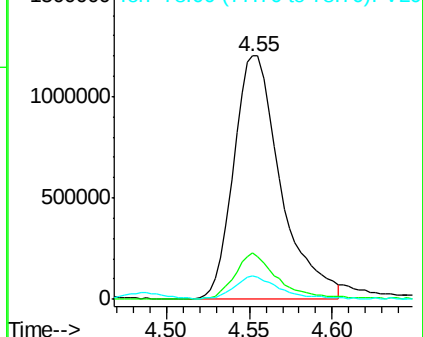
78 9.9 8.0 12.0



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: 14.977 ppbv

RT: 5.04 min Scan# 700

Delta R.T. 0.01 min

Lab File: VL037415.D

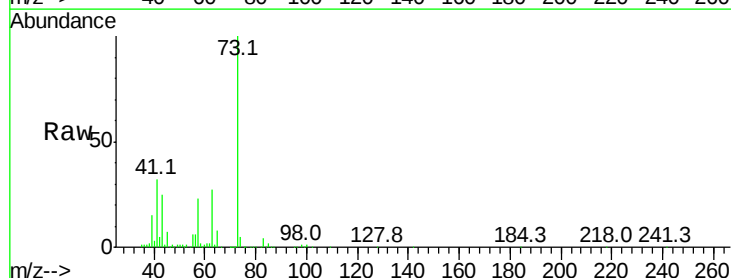
Acq: 12 Aug 2021 14:49

Tgt Ion: 73 Resp: 2605647

Ion Ratio Lower Upper

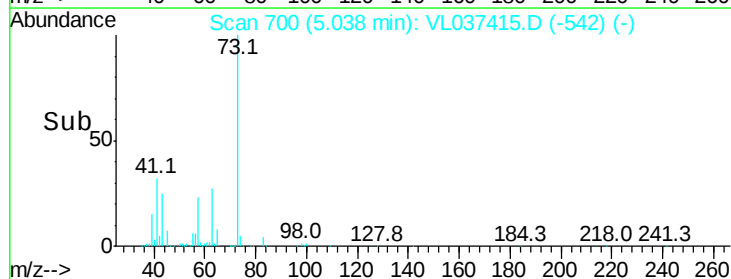
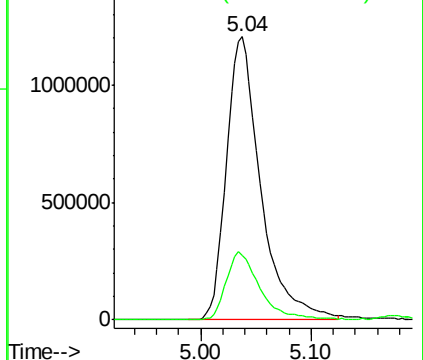
73 100

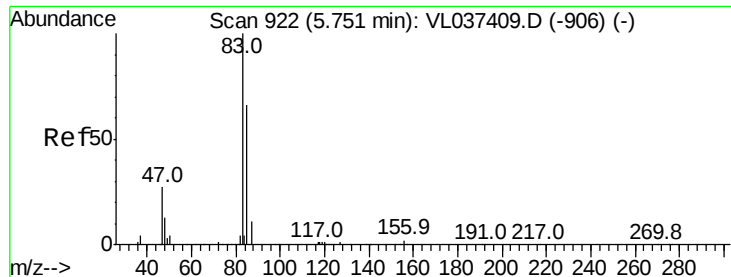
57 23.9 19.0 28.4



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 14.592 ppbv

RT: 5.75 min Scan# 923

Delta R.T. 0.00 min

Lab File: VL037415.D

Acq: 12 Aug 2021 14:49

Instrument :

MSVOA_L

ClientSampleId :

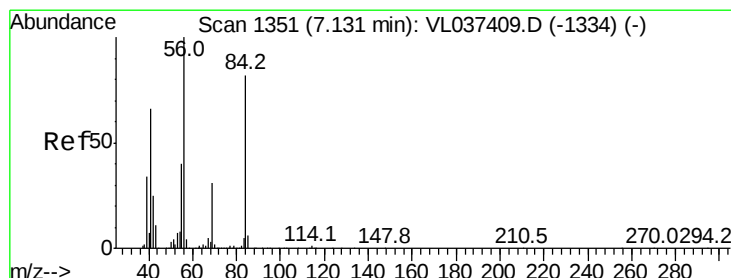
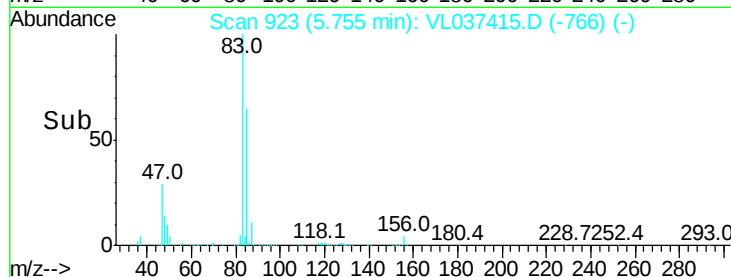
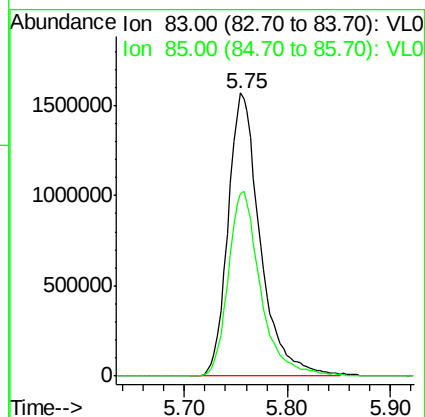
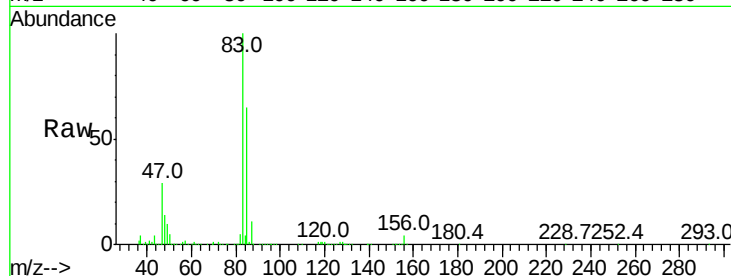
VSTDIC015

Tgt Ion: 83 Resp: 3408688

Ion Ratio Lower Upper

83 100

85 64.4 52.4 78.6



#30

Cyclohexane

Concen: 14.703 ppbv

RT: 7.13 min Scan# 1352

Delta R.T. 0.00 min

Lab File: VL037415.D

Acq: 12 Aug 2021 14:49

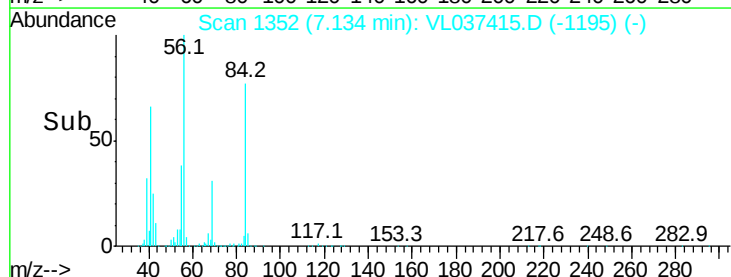
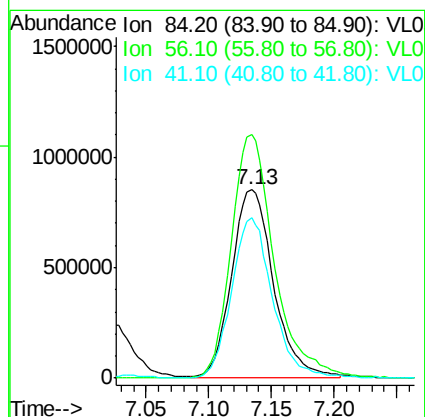
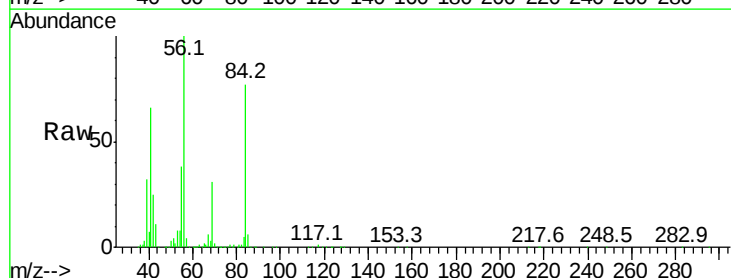
Tgt Ion: 84 Resp: 1982638

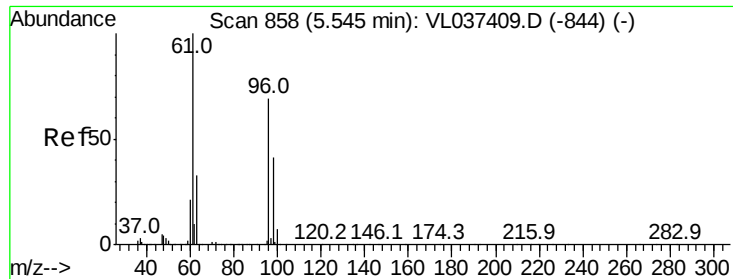
Ion Ratio Lower Upper

84 100

56 133.6 109.6 164.4

41 82.8 66.6 99.8



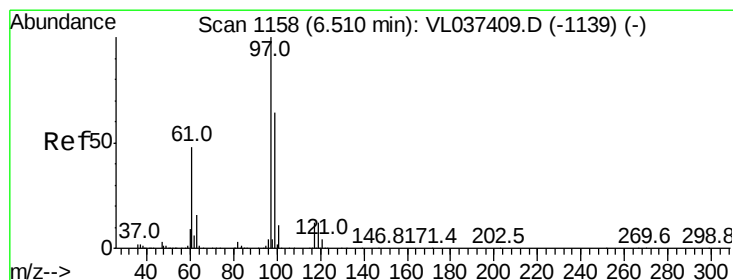
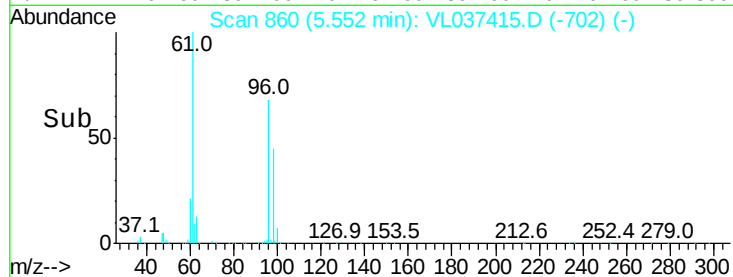
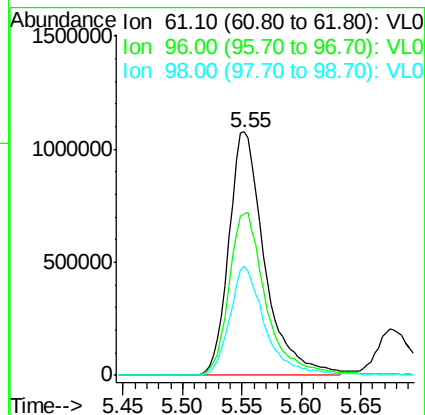
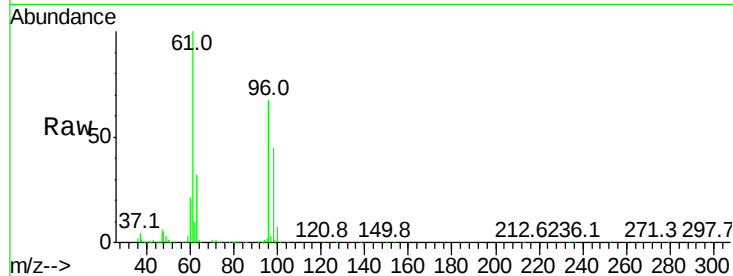


#31

cis-1,2-Dichloroethene
Concen: 15.408 ppbv
RT: 5.55 min Scan# 860
Delta R.T. 0.01 min
Lab File: VL037415.D
Acq: 12 Aug 2021 14:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

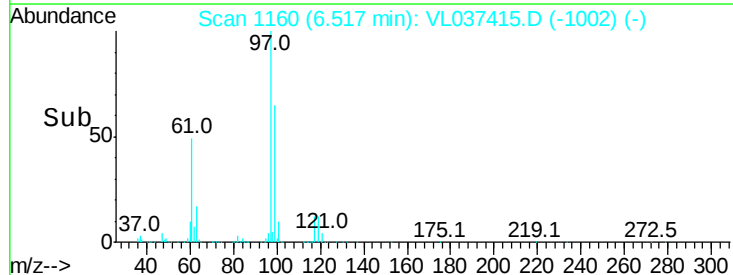
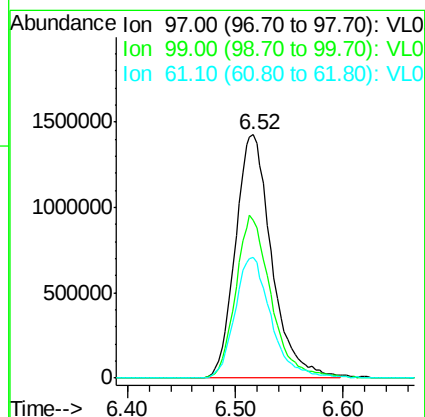
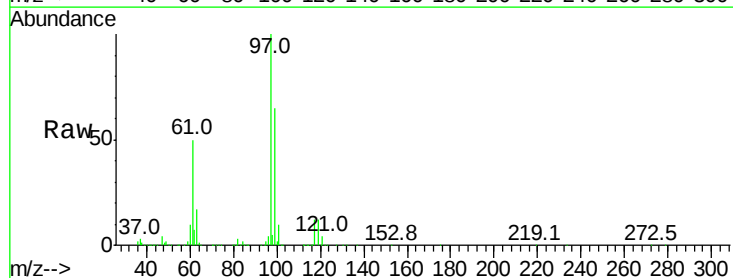
Tgt Ion: 61 Resp: 2249093
Ion Ratio Lower Upper
61 100
96 66.5 55.5 83.3
98 44.8 33.1 49.7

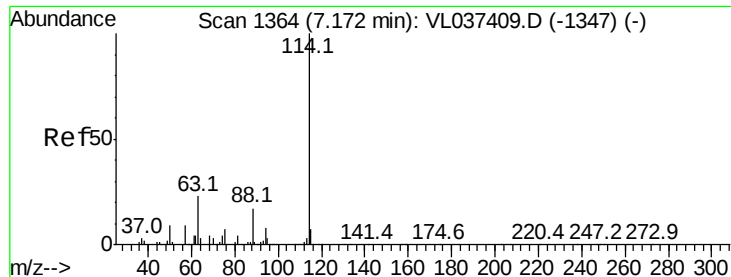


#32

1,1,1-Trichloroethane
Concen: 14.724 ppbv
RT: 6.52 min Scan# 1160
Delta R.T. 0.01 min
Lab File: VL037415.D
Acq: 12 Aug 2021 14:49

Tgt Ion: 97 Resp: 3334860
Ion Ratio Lower Upper
97 100
99 65.2 52.3 78.5
61 49.6 40.1 60.1





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1367

Delta R.T. 0.01 min

Lab File: VL037415.D

Acq: 12 Aug 2021 14:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

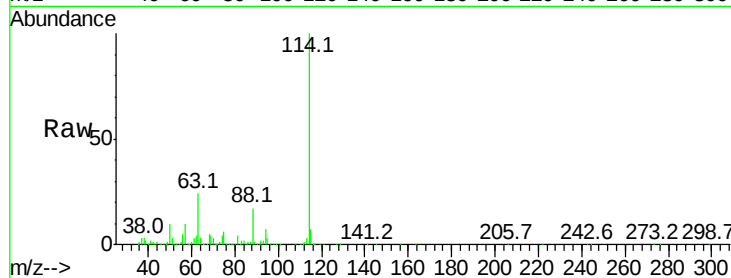
Tgt Ion:114 Resp: 3983463

Ion Ratio Lower Upper

114 100

63 24.8 19.4 29.2

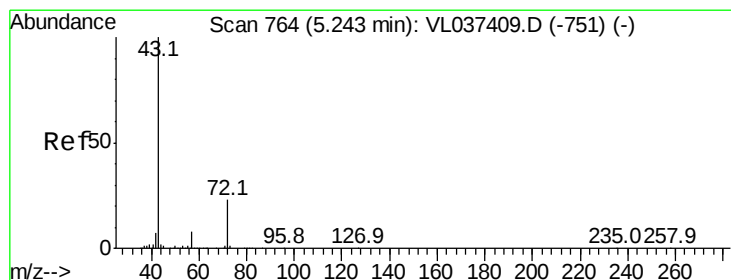
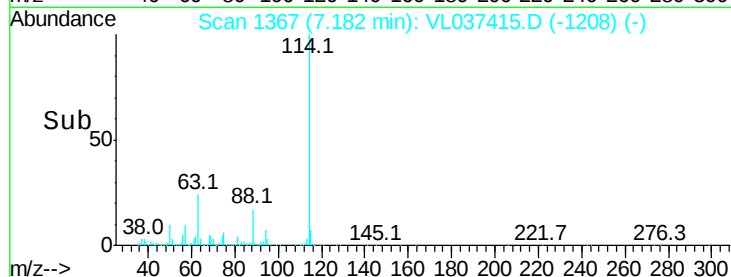
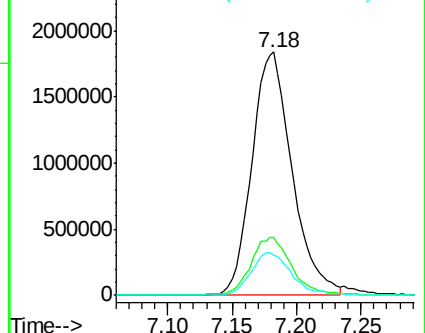
88 18.0 14.2 21.4



Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 14.127 ppbv

RT: 5.24 min Scan# 764

Delta R.T. 0.00 min

Lab File: VL037415.D

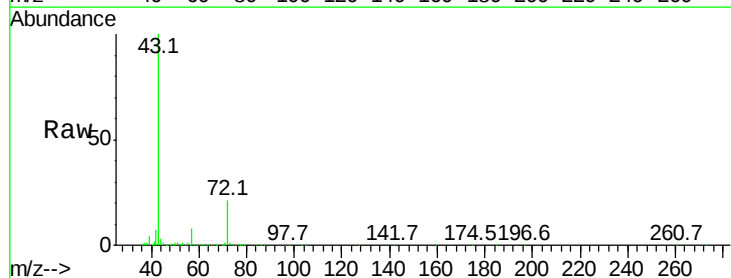
Acq: 12 Aug 2021 14:49

Tgt Ion: 43 Resp: 2138245

Ion Ratio Lower Upper

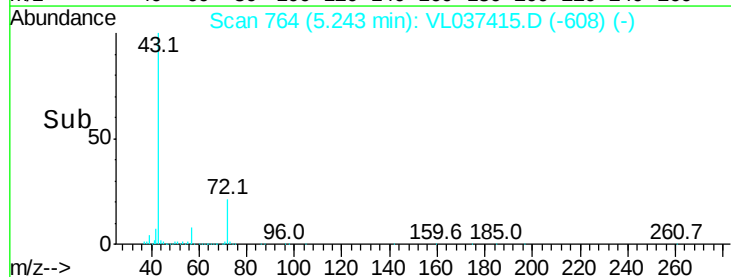
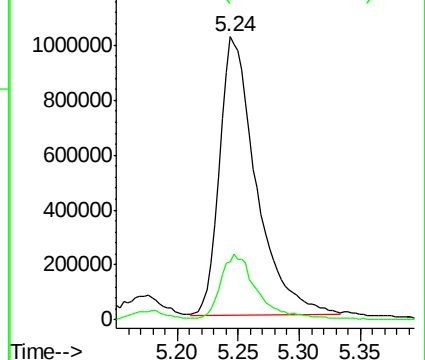
43 100

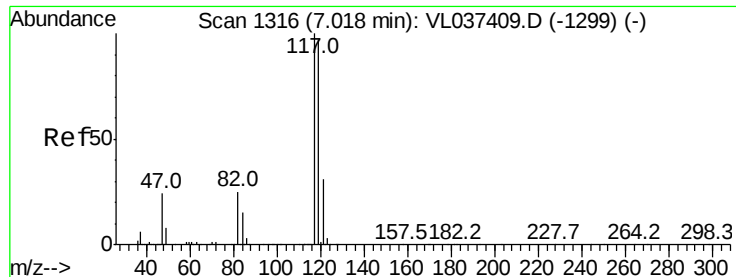
72 23.6 17.7 26.5



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 15.836 ppbv

RT: 7.02 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VL037415.D

Acq: 12 Aug 2021 14:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

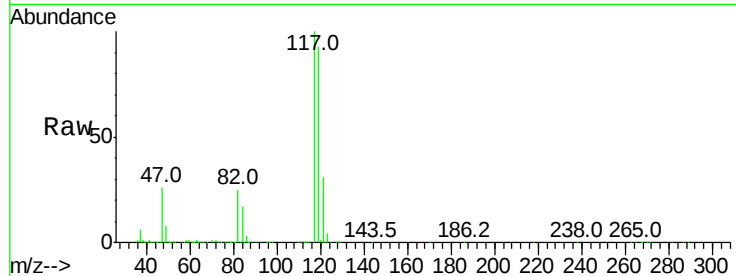
Tgt Ion: 117 Resp: 3518082

Ion Ratio Lower Upper

117 100

119 93.2 77.5 116.3

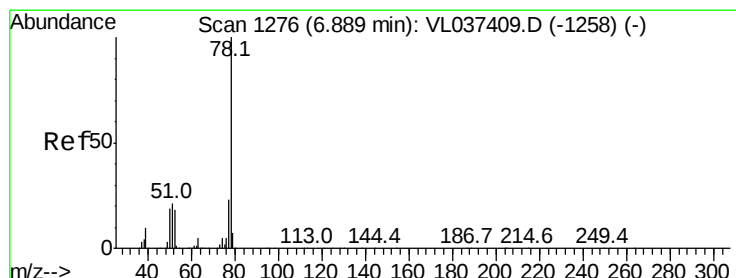
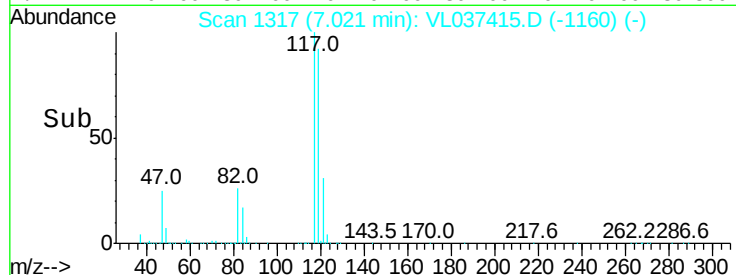
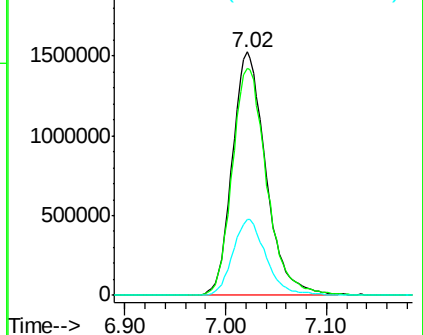
121 30.9 24.7 37.1



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: 15.028 ppbv

RT: 6.90 min Scan# 1278

Delta R.T. 0.01 min

Lab File: VL037415.D

Acq: 12 Aug 2021 14:49

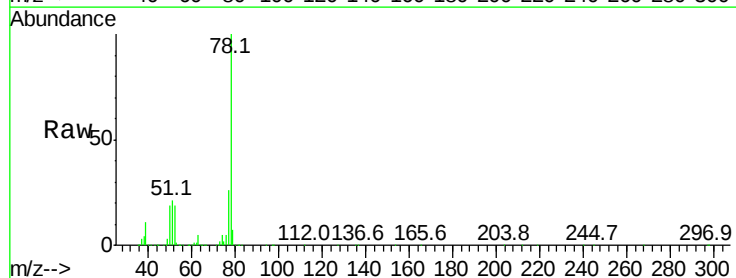
Tgt Ion: 78 Resp: 4750607

Ion Ratio Lower Upper

78 100

77 25.5 18.6 27.8

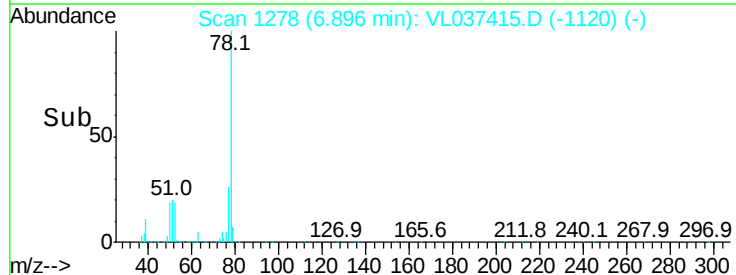
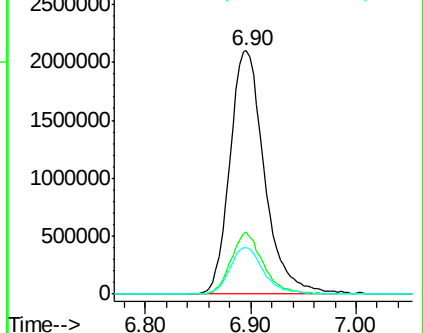
50 19.2 14.9 22.3

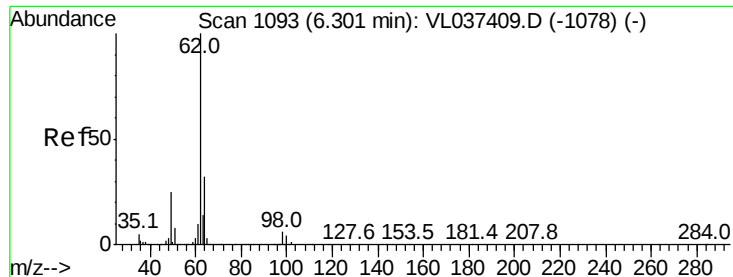


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

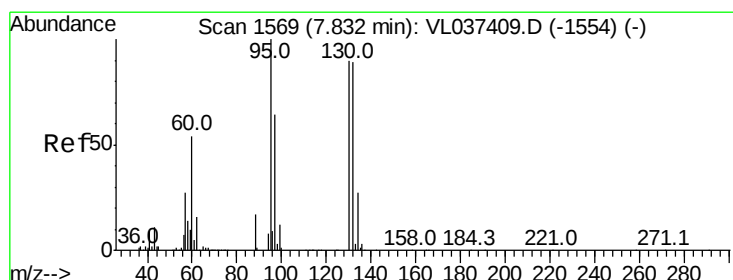
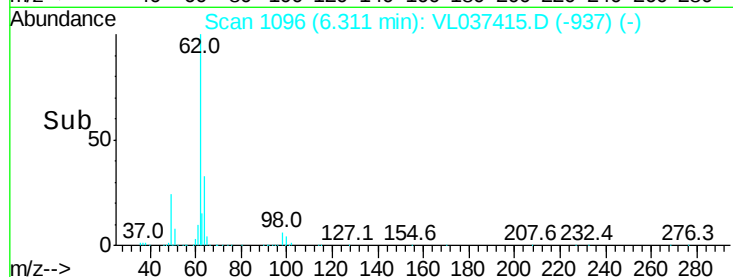
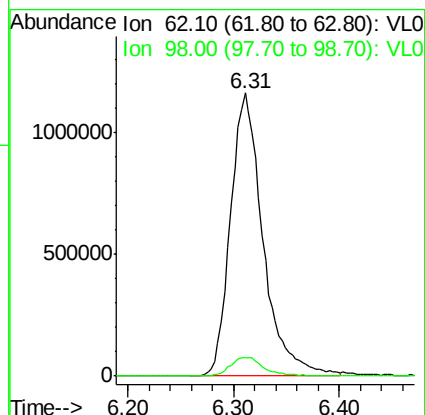
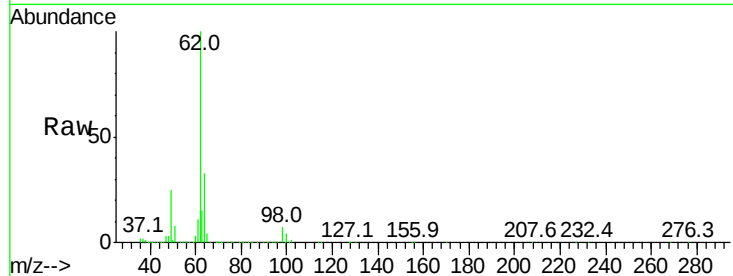




#37
 1,2-Dichloroethane
 Concen: 15.384 ppbv
 RT: 6.31 min Scan# 1096
 Delta R.T. 0.01 min
 Lab File: VL037415.D
 Acq: 12 Aug 2021 14:49

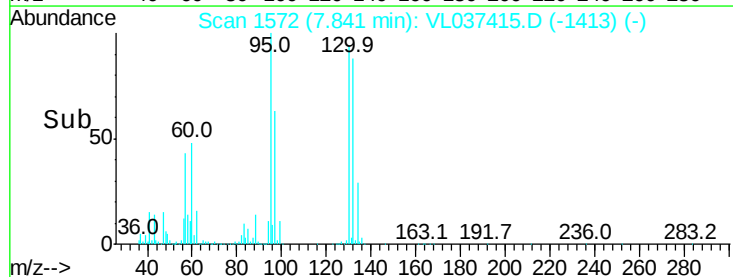
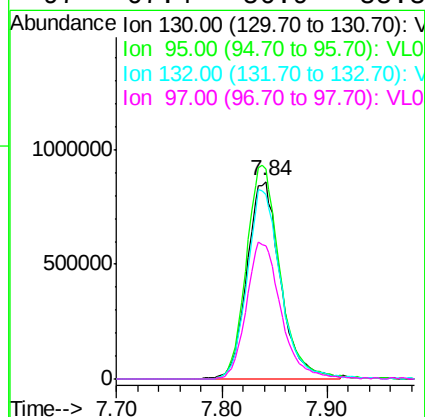
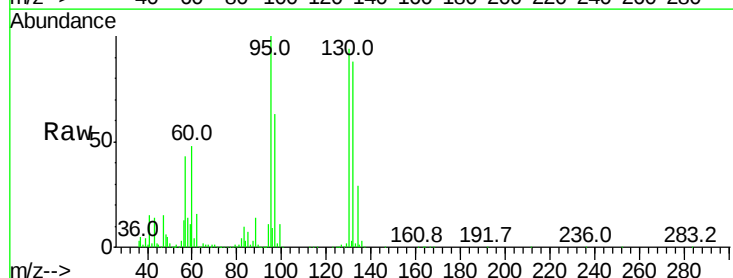
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

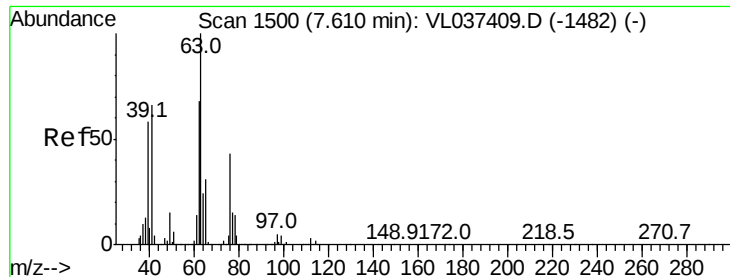
Tgt Ion: 62 Resp: 2487487
 Ion Ratio Lower Upper
 62 100
 98 7.1 5.4 8.2



#38
 Trichloroethene
 Concen: 14.176 ppbv
 RT: 7.84 min Scan# 1572
 Delta R.T. 0.01 min
 Lab File: VL037415.D
 Acq: 12 Aug 2021 14:49

Tgt Ion: 130 Resp: 1908043
 Ion Ratio Lower Upper
 130 100
 95 106.4 88.6 132.8
 132 93.5 79.2 118.8
 97 67.4 56.9 85.3





#39

1,2-Dichloropropane

Concen: 15.606 ppbv

RT: 7.62 min Scan# 1503

Delta R.T. 0.01 min

Lab File: VL037415.D

Acq: 12 Aug 2021 14:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

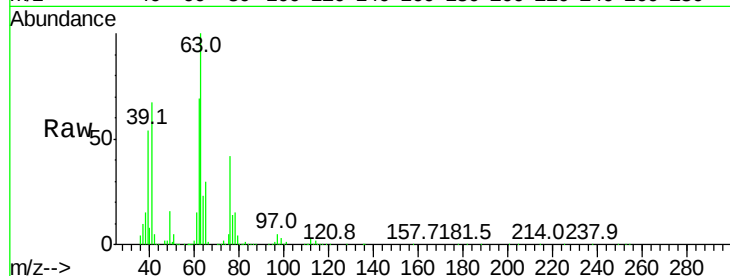
Tgt Ion: 63 Resp: 1803535

Ion Ratio Lower Upper

63 100

41 67.2 53.0 79.6

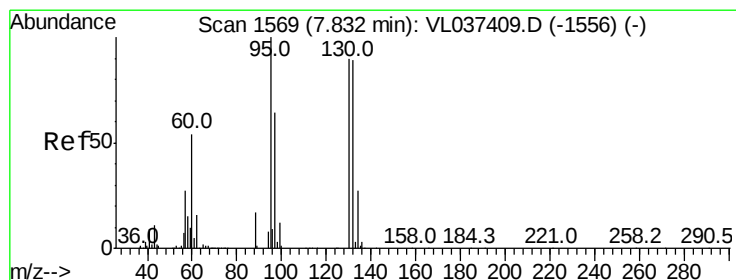
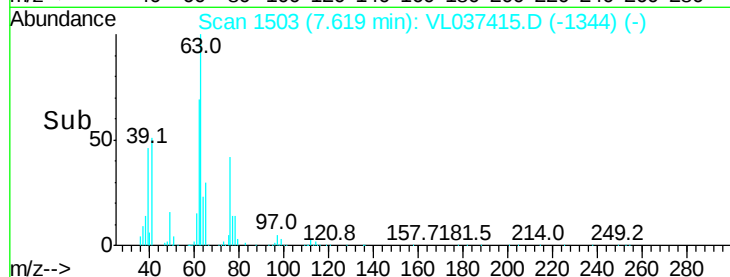
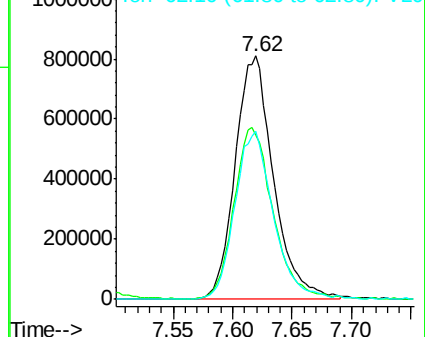
62 69.1 54.5 81.7



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: 5.695 ppbv

RT: 7.84 min Scan# 1573

Delta R.T. 0.01 min

Lab File: VL037415.D

Acq: 12 Aug 2021 14:49

Tgt Ion: 88 Resp: 175372

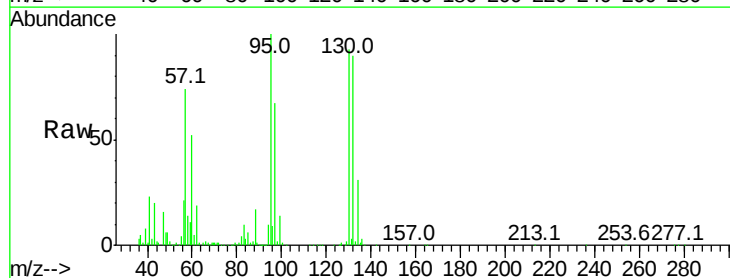
Ion Ratio Lower Upper

88 100

58 0.0 0.0 0.0

43 0.0 0.0 0.0

57 0.0 0.0 0.0

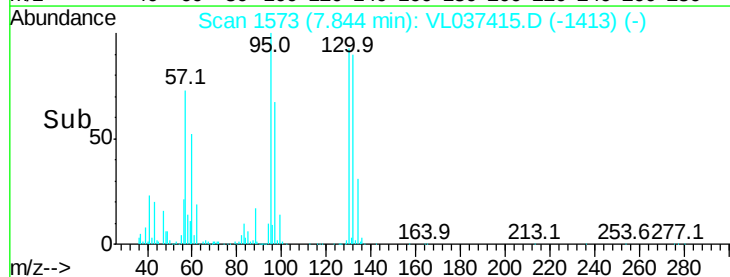
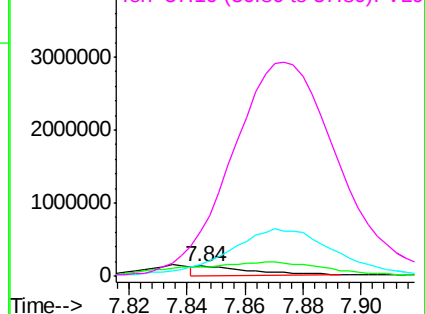


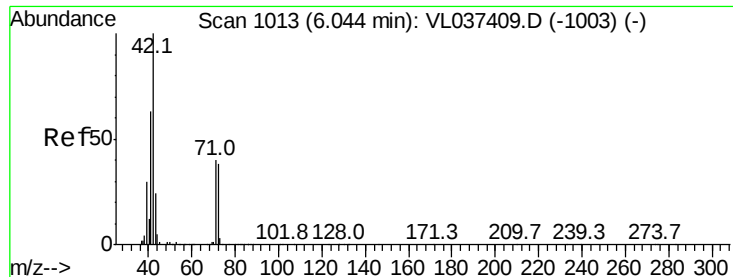
Abundance Ion 88.10 (87.80 to 88.80): VL0

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: 15.869 ppbv

RT: 6.05 min Scan# 1015

Delta R.T. 0.01 min

Lab File: VL037415.D

Acq: 12 Aug 2021 14:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

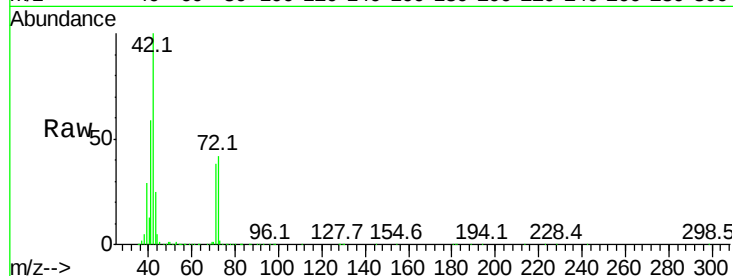
Tgt Ion: 42 Resp: 1129069

Ion Ratio Lower Upper

42 100

72 41.2 33.5 50.3

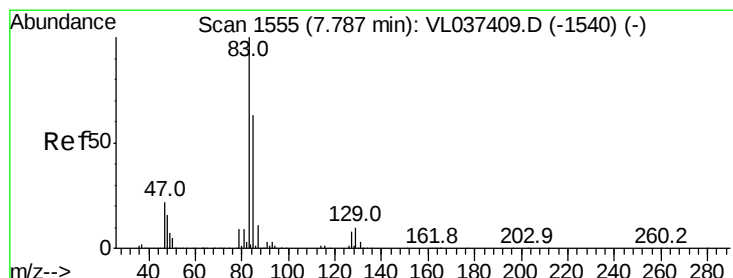
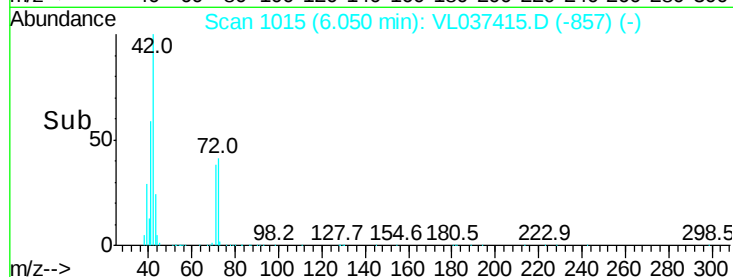
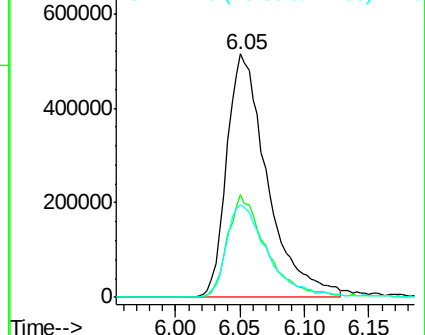
71 39.3 32.6 48.8



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: 15.676 ppbv

RT: 7.79 min Scan# 1557

Delta R.T. 0.01 min

Lab File: VL037415.D

Acq: 12 Aug 2021 14:49

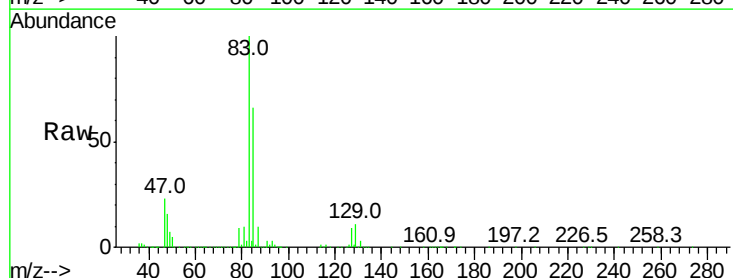
Tgt Ion: 83 Resp: 3583188

Ion Ratio Lower Upper

83 100

85 65.7 50.2 75.2

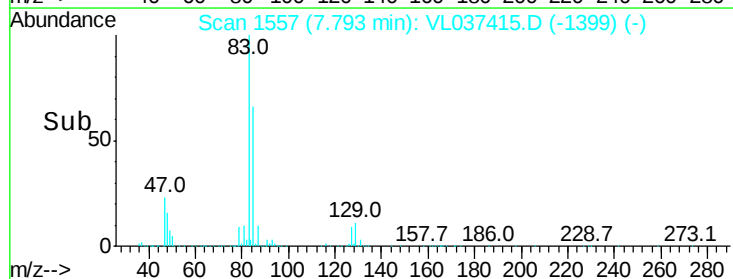
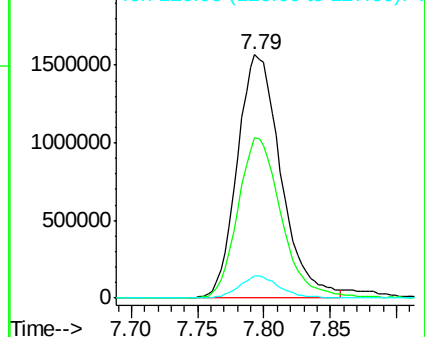
127 9.1 6.6 9.8

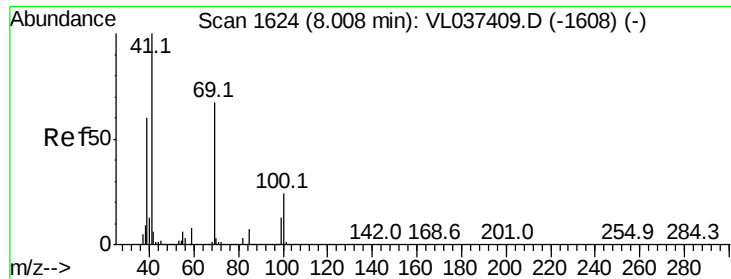


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V

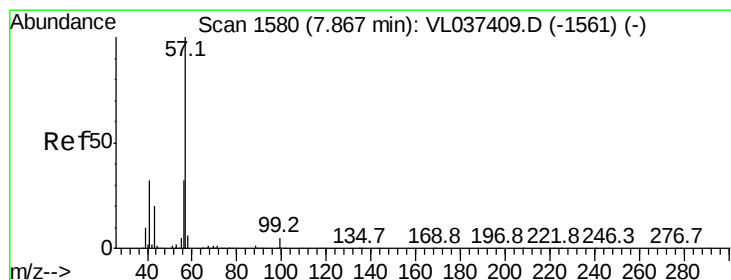
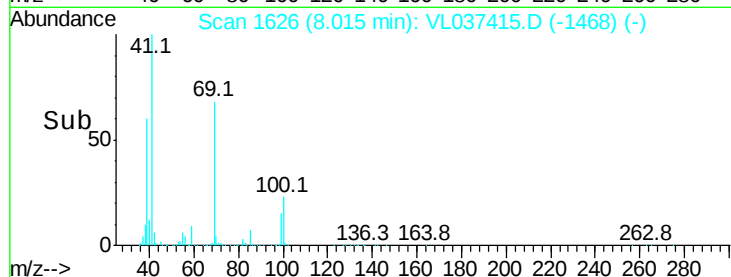
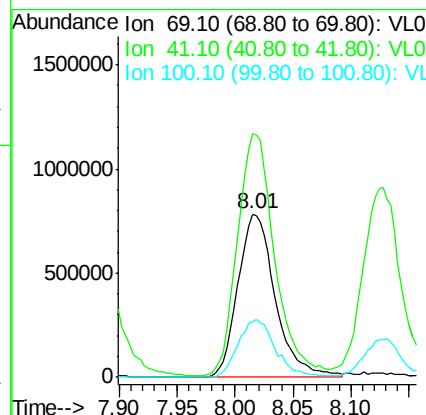
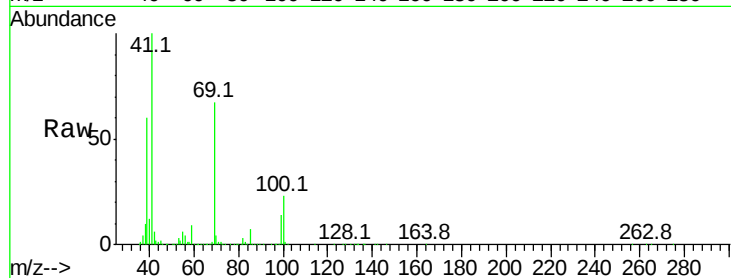




#43
Methyl Methacrylate
Concen: 15.966 ppbv
RT: 8.01 min Scan# 1626
Delta R.T. 0.01 min
Lab File: VL037415.D
Acq: 12 Aug 2021 14:49

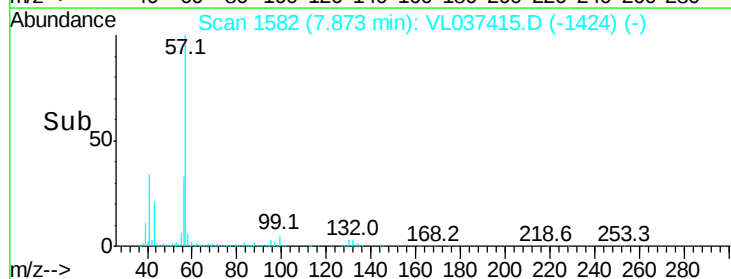
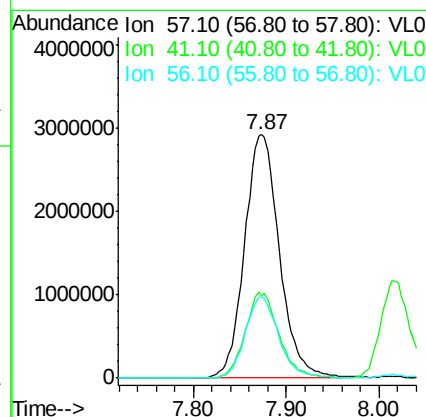
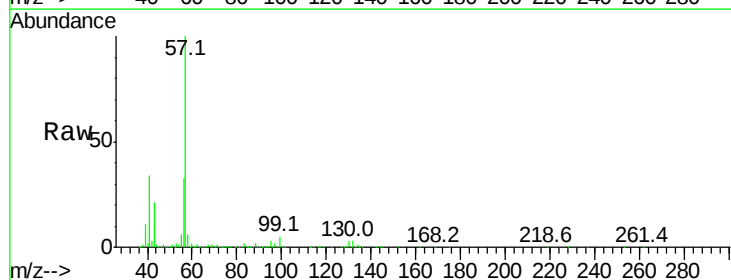
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

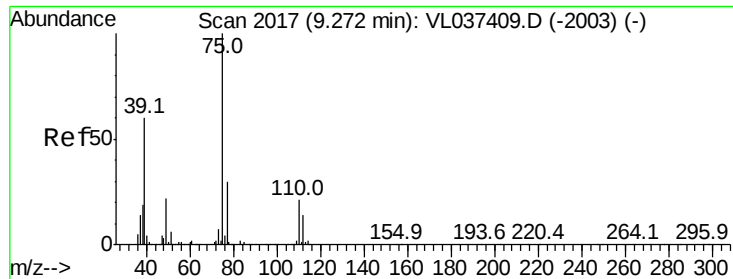
Tgt Ion: 69 Resp: 1756601
Ion Ratio Lower Upper
69 100
41 149.2 118.1 177.1
100 35.4 27.6 41.4



#44
2,2,4-Trimethylpentane
Concen: 14.472 ppbv
RT: 7.87 min Scan# 1582
Delta R.T. 0.01 min
Lab File: VL037415.D
Acq: 12 Aug 2021 14:49

Tgt Ion: 57 Resp: 7630805
Ion Ratio Lower Upper
57 100
41 33.9 26.4 39.6
56 32.1 25.0 37.4





#45

t-1,3-Dichloropropene

Concen: 18.926 ppbv

RT: 9.28 min Scan# 2020

Delta R.T. 0.01 min

Lab File: VL037415.D

Acq: 12 Aug 2021 14:49

Instrument :

MSVOA_L

ClientSampleId :

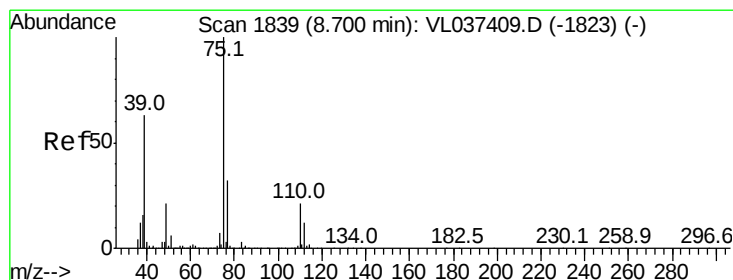
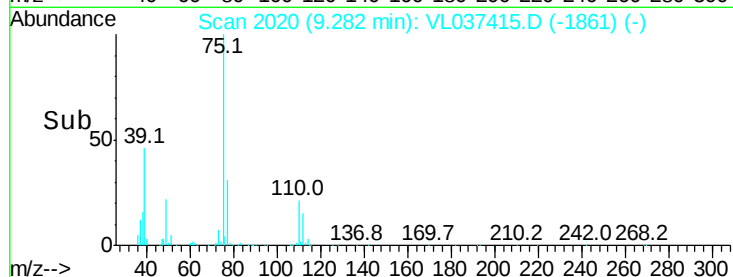
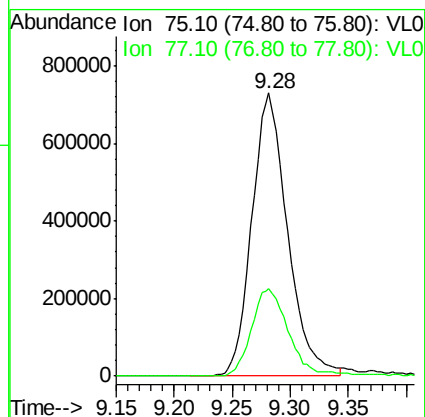
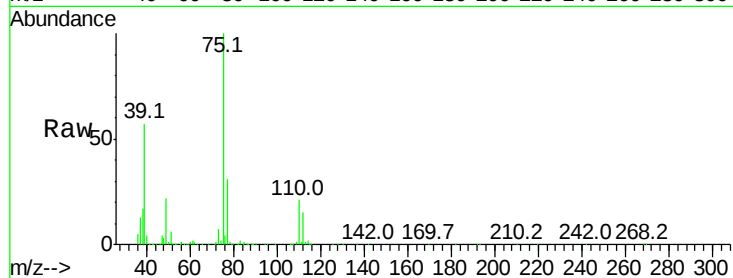
VSTDIC015

Tgt Ion: 75 Resp: 1563222

Ion Ratio Lower Upper

75 100

77 30.8 24.2 36.2



#46

cis-1,3-Dichloropropene

Concen: 17.428 ppbv

RT: 8.71 min Scan# 1841

Delta R.T. 0.01 min

Lab File: VL037415.D

Acq: 12 Aug 2021 14:49

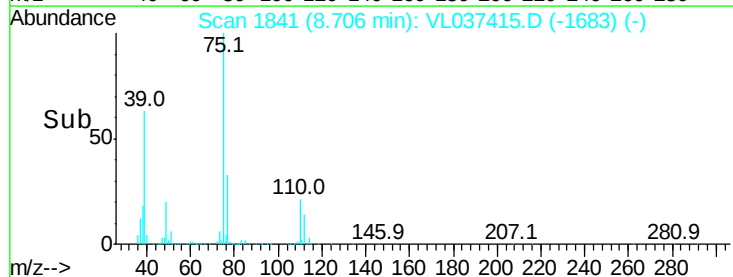
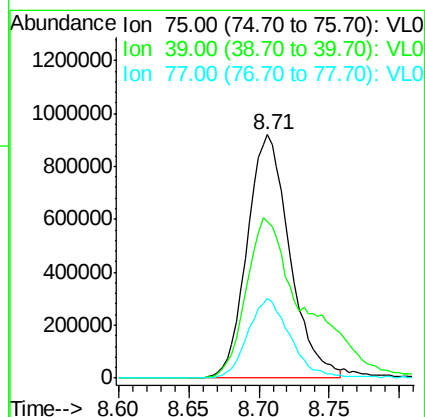
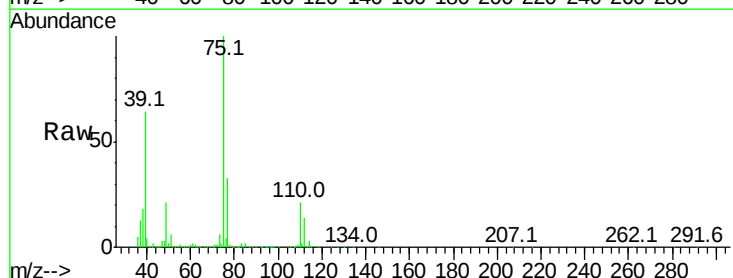
Tgt Ion: 75 Resp: 1947322

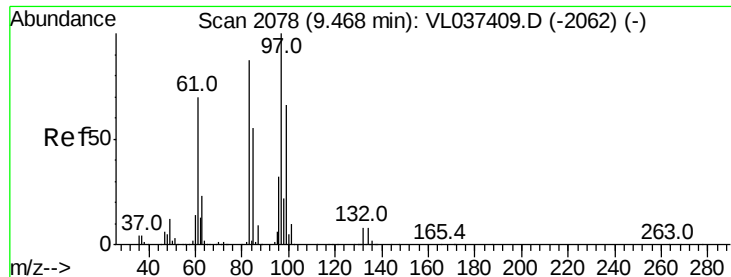
Ion Ratio Lower Upper

75 100

39 64.0 50.1 75.1

77 32.7 25.8 38.8





#47

1,1,2-Trichloroethane

Concen: 15.030 ppbv

RT: 9.48 min Scan# 2081

Delta R.T. 0.01 min

Lab File: VL037415.D

Acq: 12 Aug 2021 14:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 97 Resp: 1957439

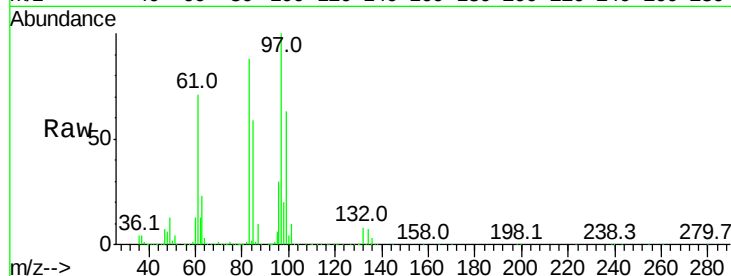
Ion Ratio Lower Upper

97 100

83 87.8 69.5 104.3

85 58.7 43.8 65.8

99 63.1 53.0 79.4

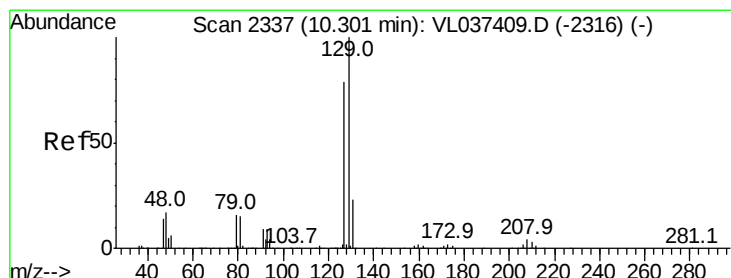
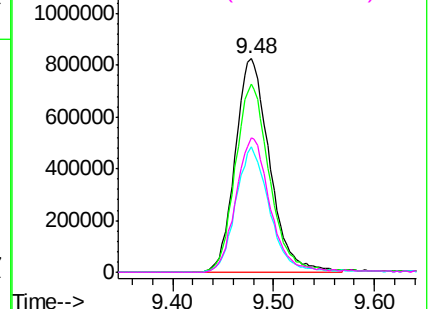
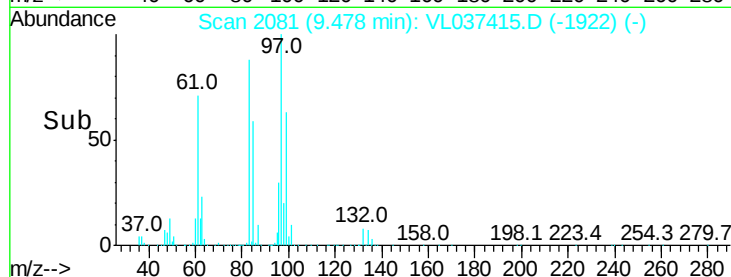


Abundance Ion 97.00 (96.70 to 97.70): VL0

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: 16.477 ppbv

RT: 10.30 min Scan# 2338

Delta R.T. 0.00 min

Lab File: VL037415.D

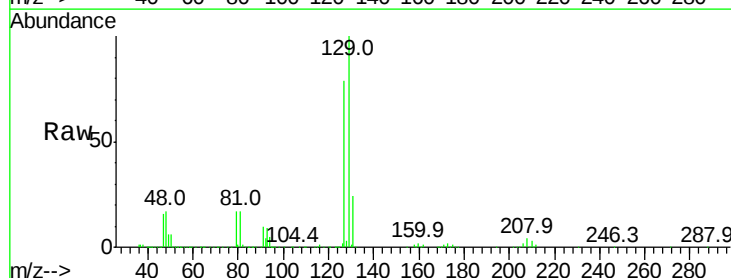
Acq: 12 Aug 2021 14:49

Tgt Ion: 129 Resp: 3164916

Ion Ratio Lower Upper

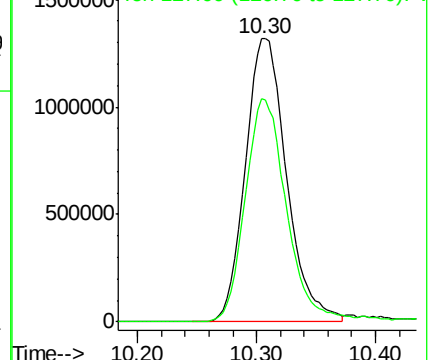
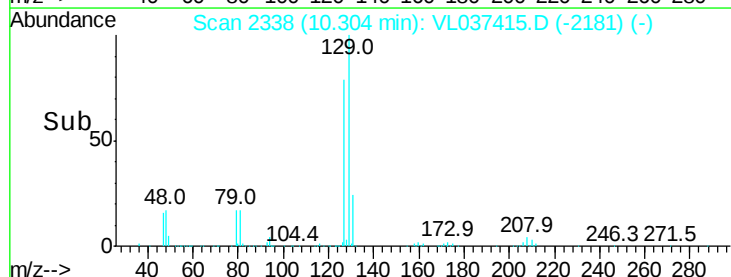
129 100

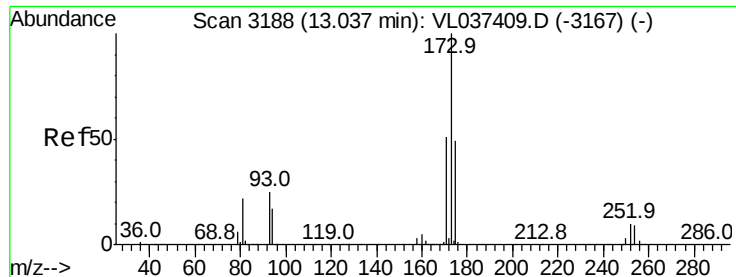
127 80.3 39.6 118.8



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 16.242 ppbv

RT: 13.04 min Scan# 3189

Delta R.T. 0.00 min

Lab File: VL037415.D

Acq: 12 Aug 2021 14:49

Instrument :

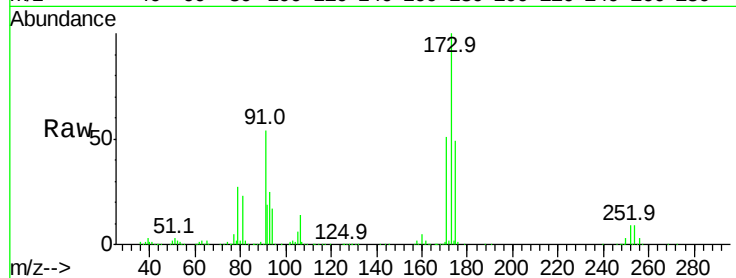
MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion:173 Resp: 2451290

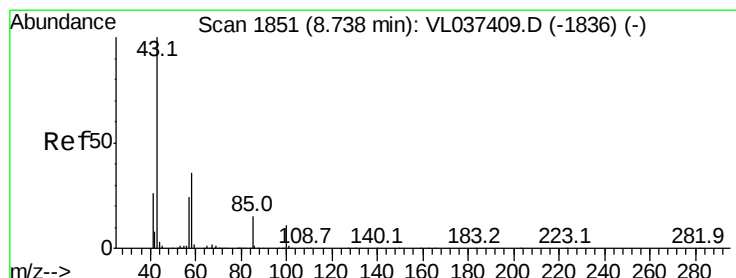
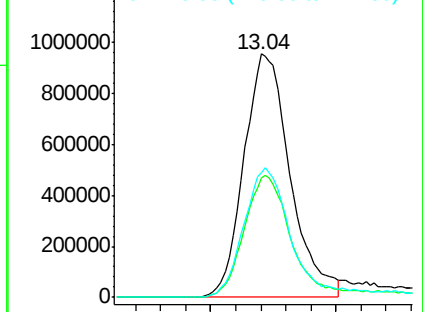
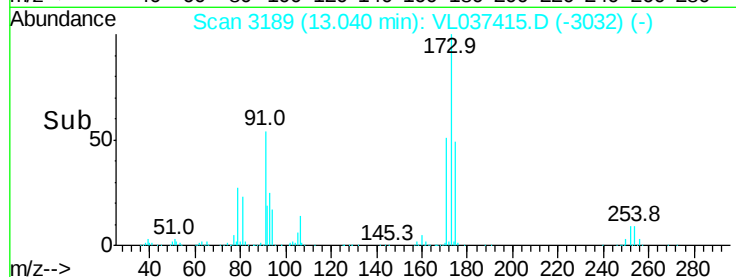
Ion	Ratio	Lower	Upper
173	100		
175	55.8	39.9	59.9
171	58.8	41.4	62.2



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: 15.715 ppbv

RT: 8.74 min Scan# 1853

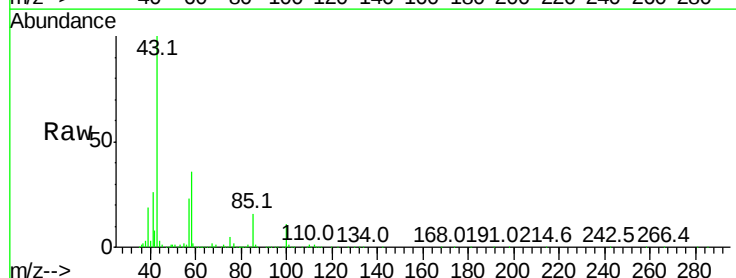
Delta R.T. 0.01 min

Lab File: VL037415.D

Acq: 12 Aug 2021 14:49

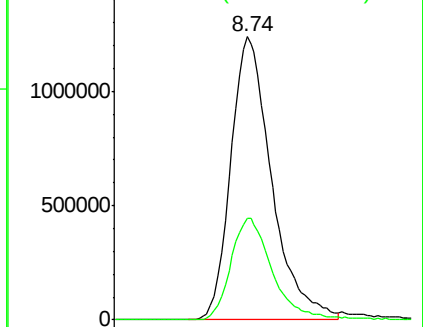
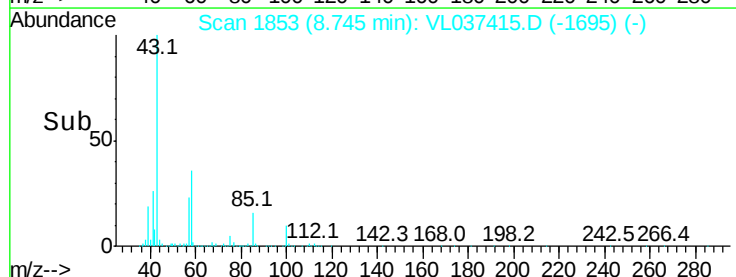
Tgt Ion: 43 Resp: 3107399

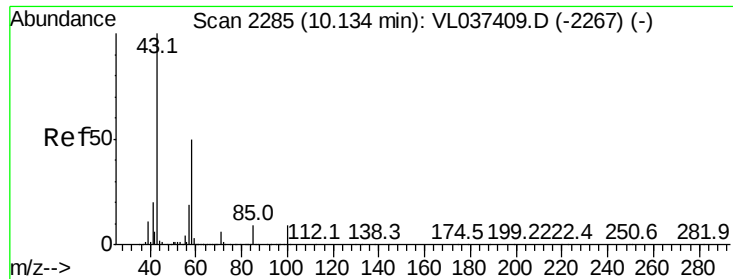
Ion	Ratio	Lower	Upper
43	100		
58	36.8	29.9	44.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

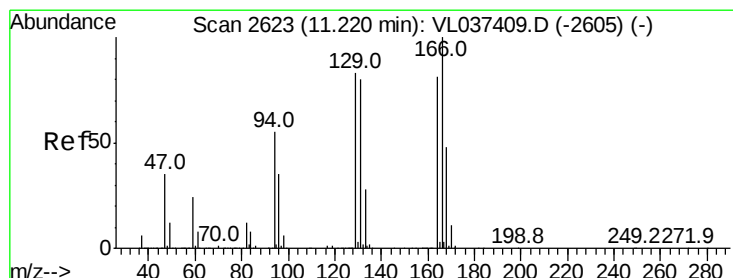
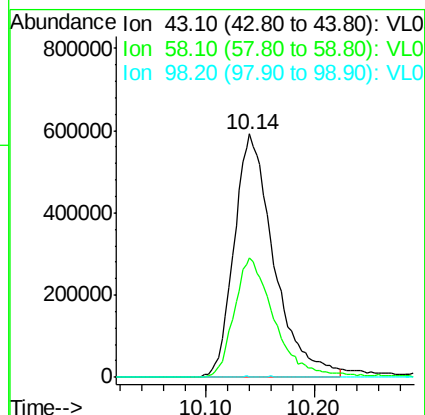
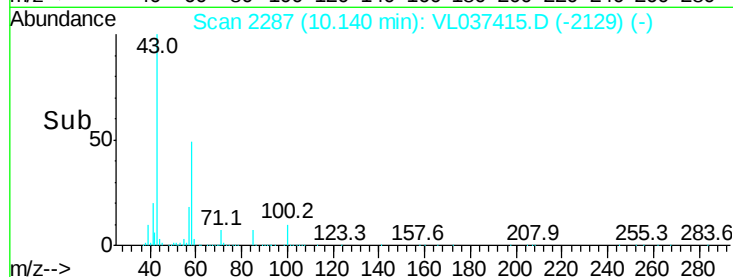
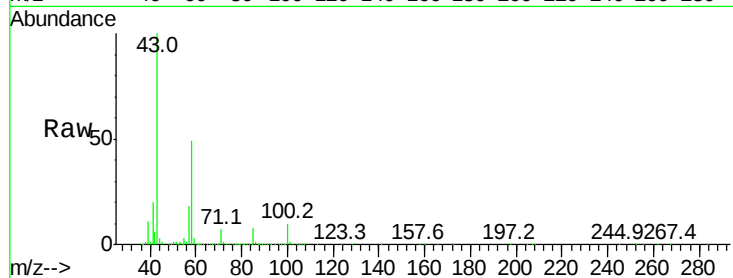




#51
2-Hexanone
Concen: 17.323 ppbv
RT: 10.14 min Scan# 2287
Delta R.T. 0.01 min
Lab File: VL037415.D
Acq: 12 Aug 2021 14:49

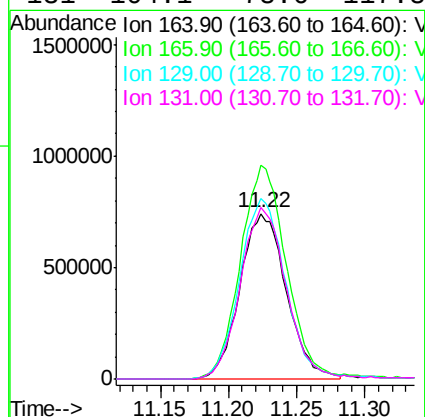
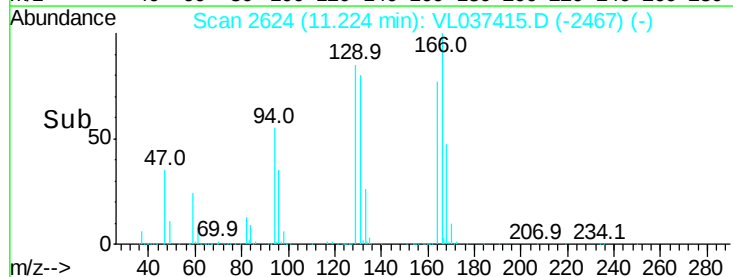
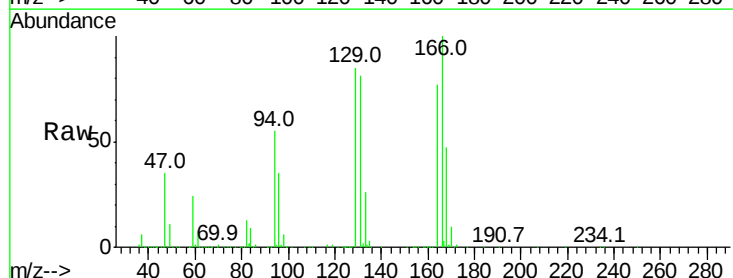
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

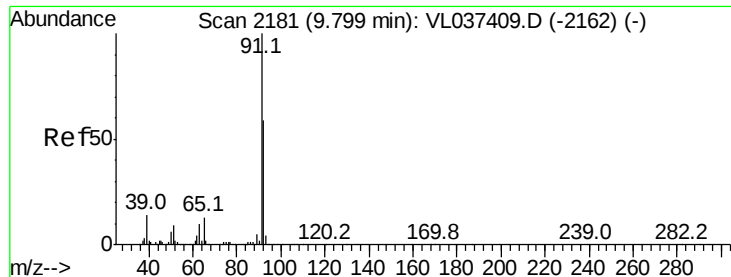
Tgt Ion: 43 Resp: 1518090
Ion Ratio Lower Upper
43 100
58 50.5 39.9 59.9
98 0.3 0.2 0.2#



#52
Tetrachloroethene
Concen: 13.552 ppbv
RT: 11.22 min Scan# 2624
Delta R.T. 0.00 min
Lab File: VL037415.D
Acq: 12 Aug 2021 14:49

Tgt Ion: 164 Resp: 1746299
Ion Ratio Lower Upper
164 100
166 129.1 98.6 147.8
129 109.6 82.0 123.0
131 104.1 78.6 117.8





#53

Toluene

Concen: 15.089 ppbv

RT: 9.81 min Scan# 2184

Delta R.T. 0.01 min

Lab File: VL037415.D

Acq: 12 Aug 2021 14:49

Instrument :

MSVOA_L

ClientSampleId :

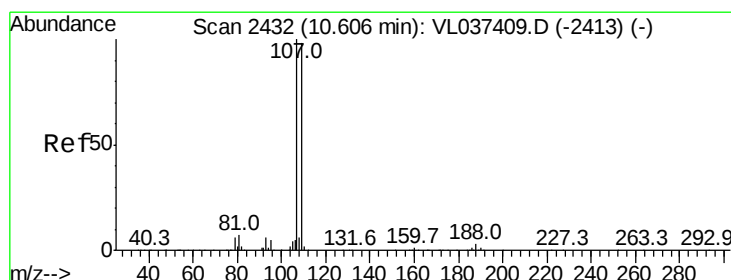
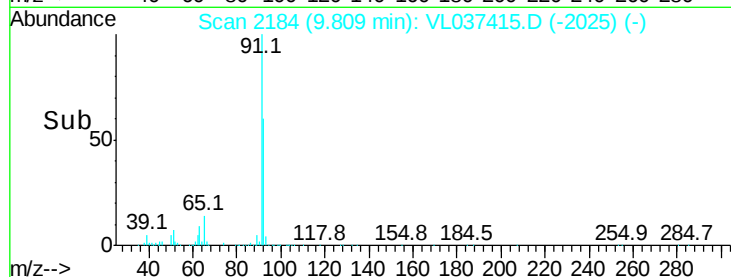
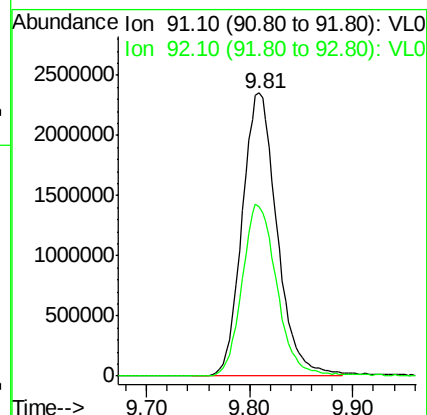
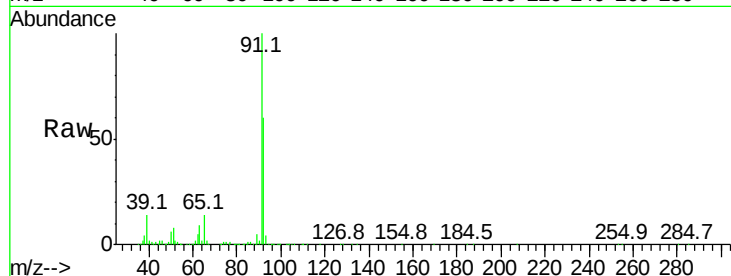
VSTDIC015

Tgt Ion: 91 Resp: 5531612

Ion Ratio Lower Upper

91 100

92 61.2 49.0 73.6



#54

1,2-Dibromoethane

Concen: 15.284 ppbv

RT: 10.61 min Scan# 2434

Delta R.T. 0.01 min

Lab File: VL037415.D

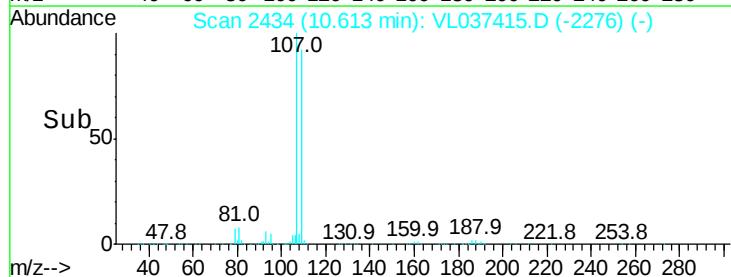
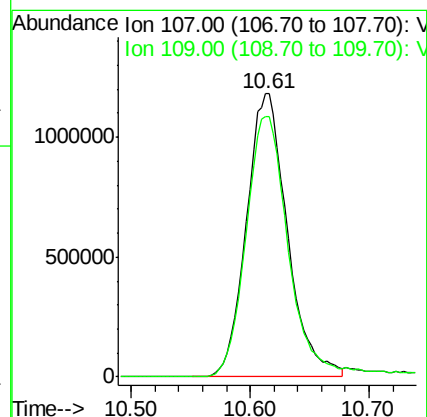
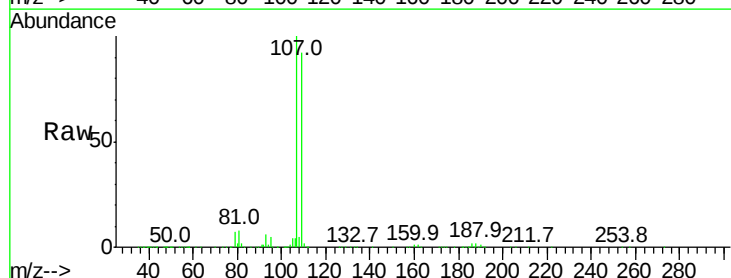
Acq: 12 Aug 2021 14:49

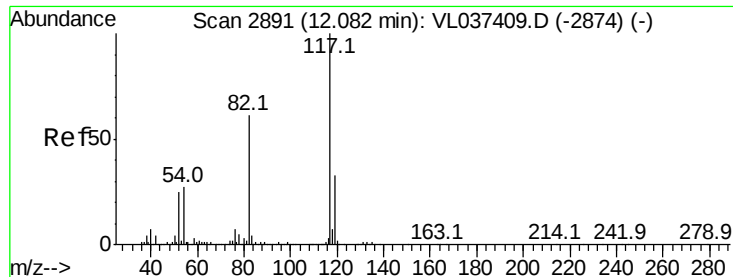
Tgt Ion: 107 Resp: 2817643

Ion Ratio Lower Upper

107 100

109 92.1 78.4 117.6





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.09 min Scan# 2892

Delta R.T. 0.00 min

Lab File: VL037415.D

Acq: 12 Aug 2021 14:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

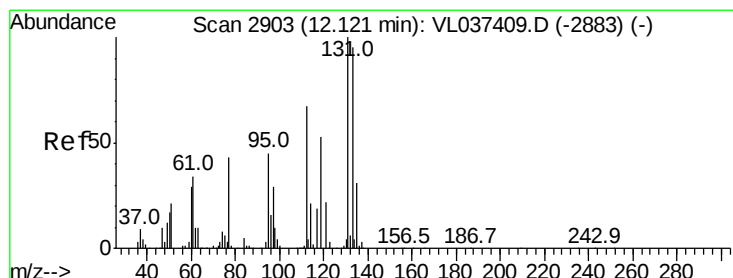
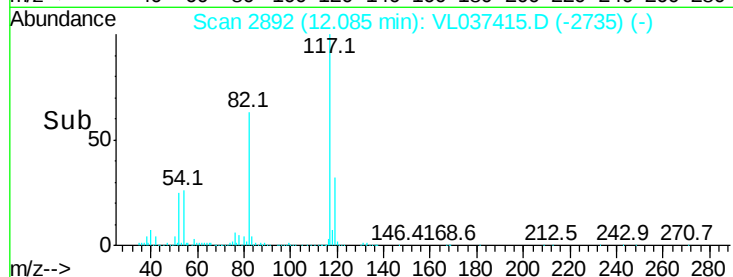
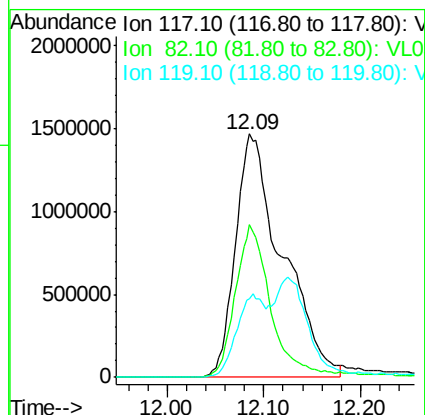
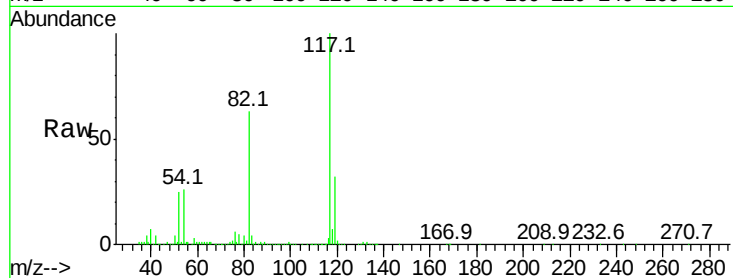
Tgt Ion:117 Resp: 4939683

Ion Ratio Lower Upper

117 100

82 49.2 53.1 79.7#

119 53.9 28.0 42.0#



#56

1,1,1,2-Tetrachloroethane

Concen: 10.701 ppbv

RT: 12.12 min Scan# 2904

Delta R.T. 0.00 min

Lab File: VL037415.D

Acq: 12 Aug 2021 14:49

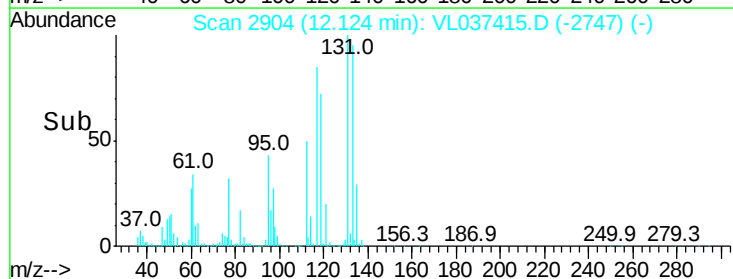
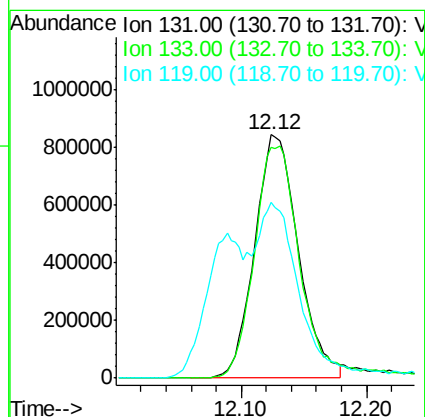
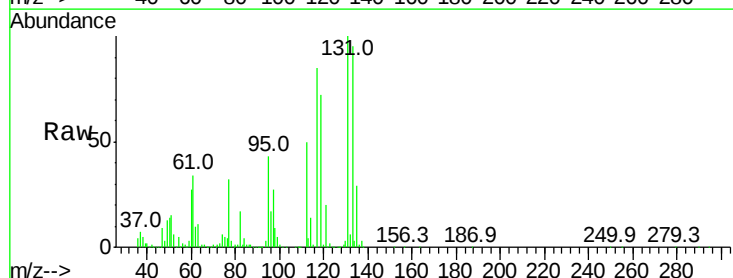
Tgt Ion:131 Resp: 2043332

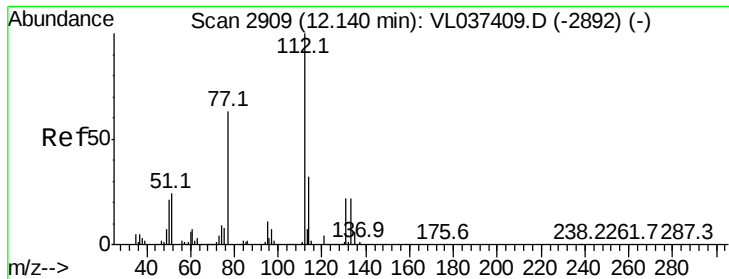
Ion Ratio Lower Upper

131 100

133 105.1 77.1 115.7

119 129.1 59.7 89.5#





#57

Chlorobenzene

Concen: 10.342 ppbv

RT: 12.15 min Scan# 2912

Delta R.T. 0.01 min

Lab File: VL037415.D

Acq: 12 Aug 2021 14:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

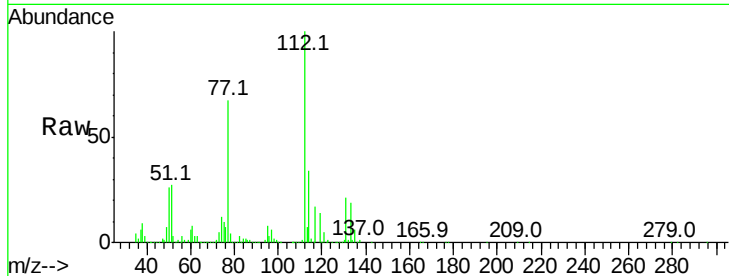
Tgt Ion: 112 Resp: 3942617

Ion Ratio Lower Upper

112 100

77 66.4 50.0 75.0

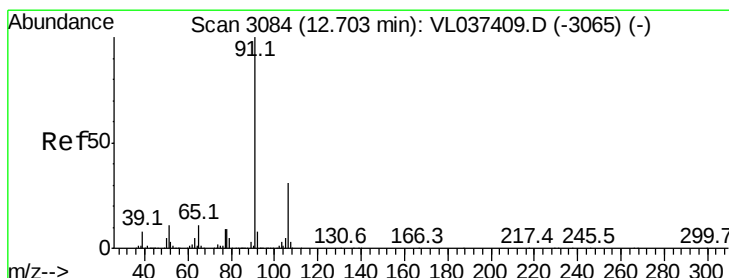
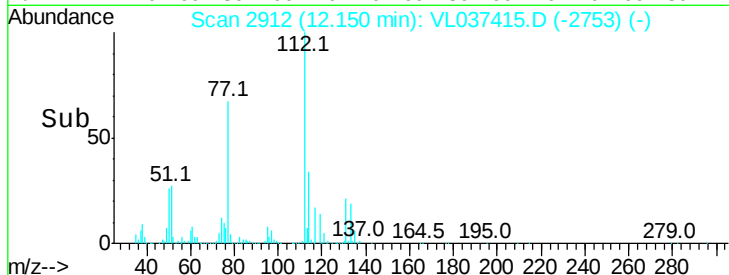
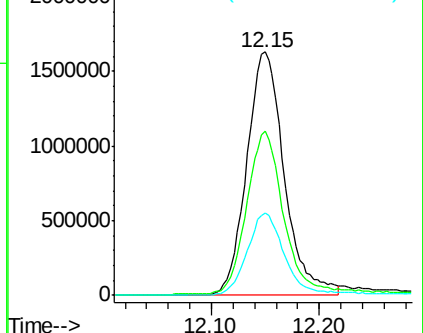
114 33.5 28.5 34.9



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 10.480 ppbv

RT: 12.71 min Scan# 3087

Delta R.T. 0.01 min

Lab File: VL037415.D

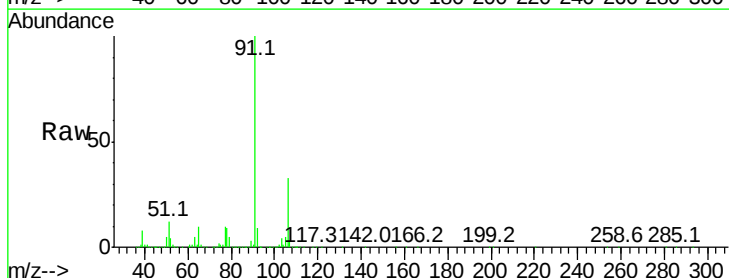
Acq: 12 Aug 2021 14:49

Tgt Ion: 91 Resp: 6909890

Ion Ratio Lower Upper

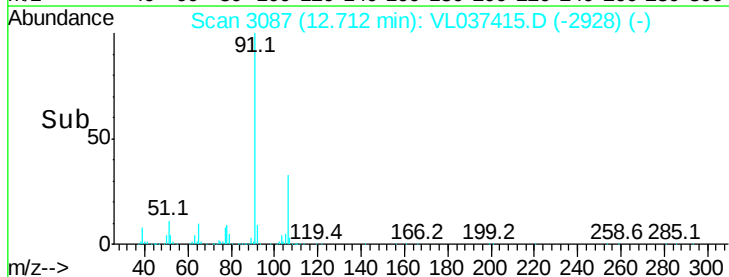
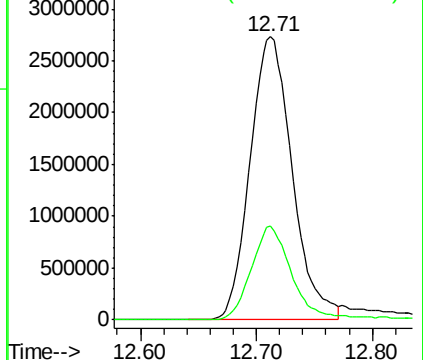
91 100

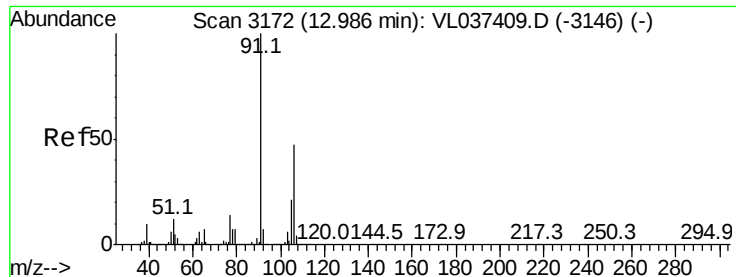
106 33.1 24.7 37.1



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

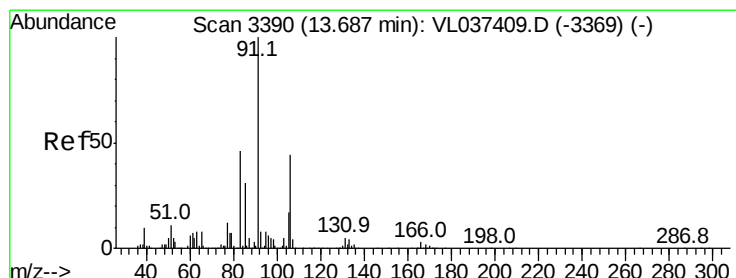
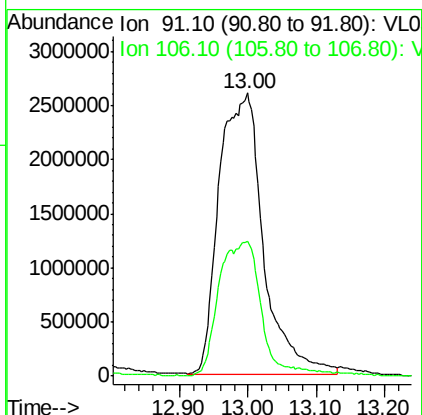
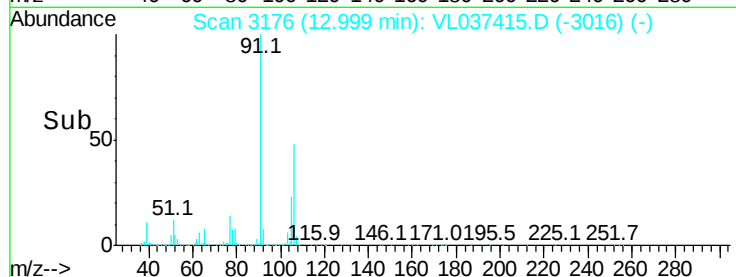
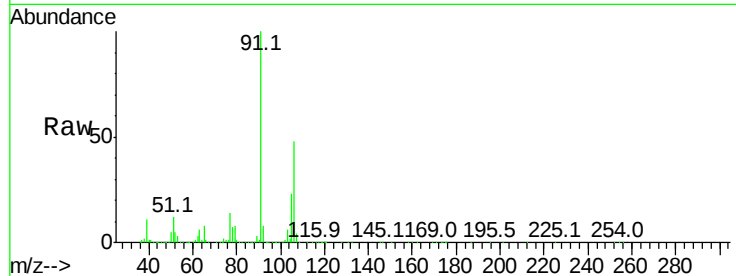




#59
m/p-Xylene
Concen: 20.548 ppbv
RT: 13.00 min Scan# 3176
Delta R.T. 0.01 min
Lab File: VL037415.D
Acq: 12 Aug 2021 14:49

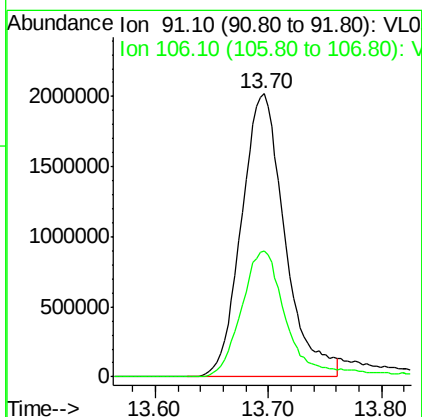
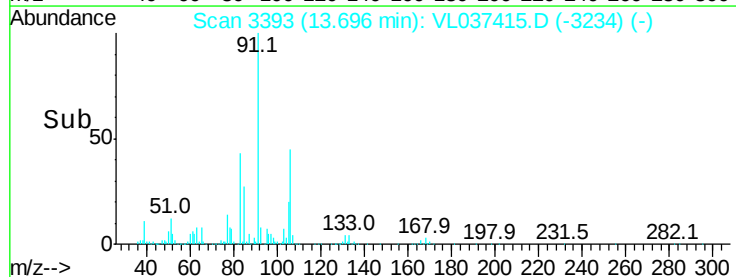
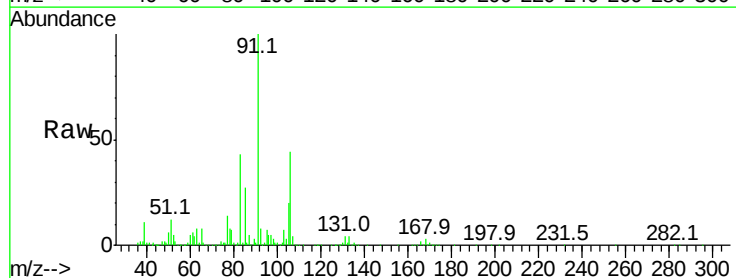
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

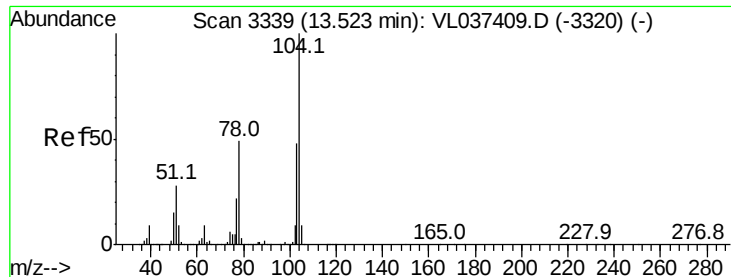
Tgt Ion: 91 Resp: 11664276
Ion Ratio Lower Upper
91 100
106 47.4 36.6 54.8



#60
o-Xylene
Concen: 10.202 ppbv
RT: 13.70 min Scan# 3393
Delta R.T. 0.01 min
Lab File: VL037415.D
Acq: 12 Aug 2021 14:49

Tgt Ion: 91 Resp: 5369253
Ion Ratio Lower Upper
91 100
106 48.0 24.1 72.2





#61

Styrene

Concen: 11.437 ppbv

RT: 13.53 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VL037415.D

Acq: 12 Aug 2021 14:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

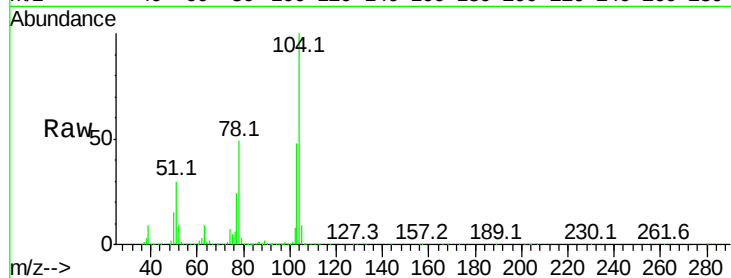
Tgt Ion:104 Resp: 3118022

Ion Ratio Lower Upper

104 100

78 53.2 41.5 62.3

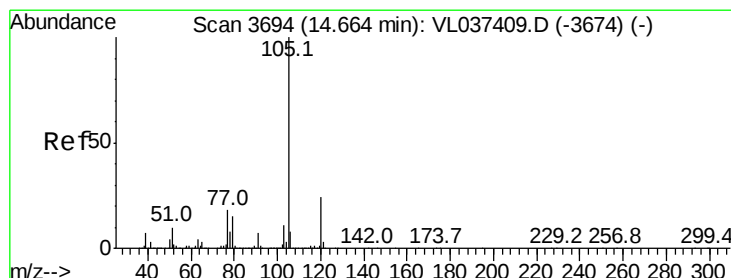
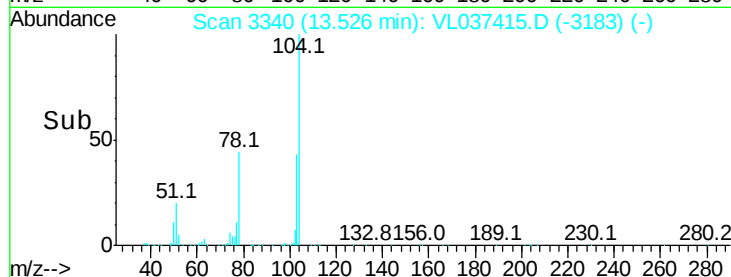
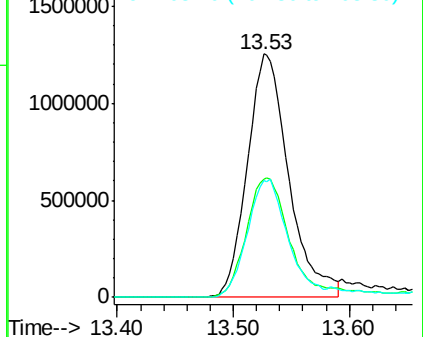
103 50.9 40.2 60.2



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: 10.662 ppbv

RT: 14.67 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VL037415.D

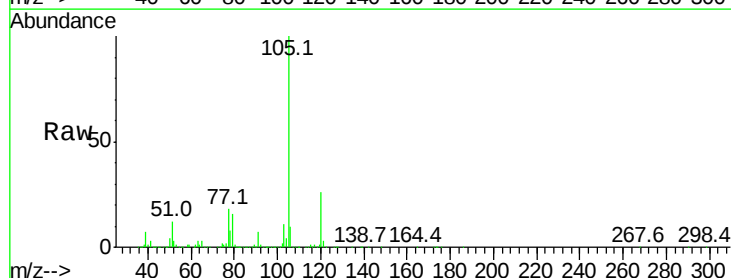
Acq: 12 Aug 2021 14:49

Tgt Ion:105 Resp: 7904420

Ion Ratio Lower Upper

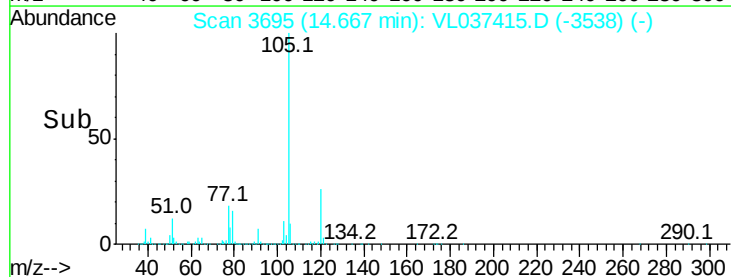
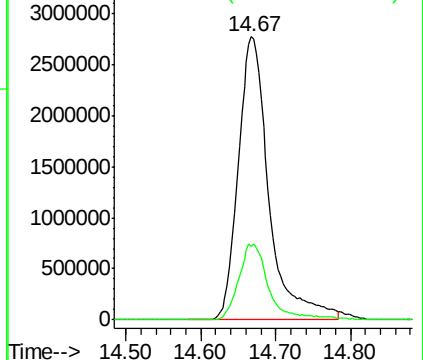
105 100

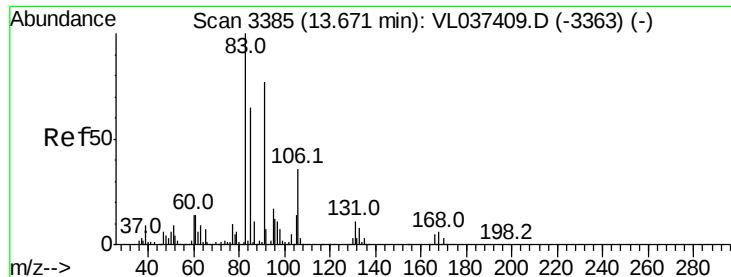
120 26.6 21.6 32.4



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: 9.869 ppbv

RT: 13.68 min Scan# 3387

Delta R.T. 0.01 min

Lab File: VL037415.D

Acq: 12 Aug 2021 14:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

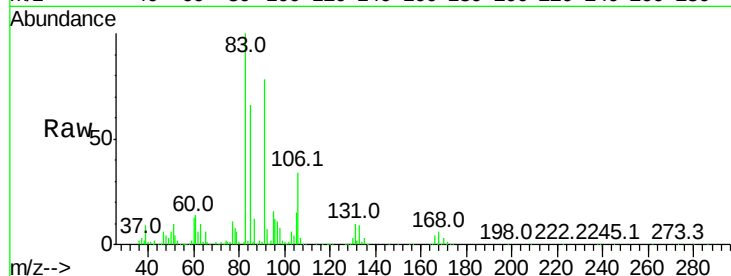
Tgt Ion: 83 Resp: 3927674

Ion Ratio Lower Upper

83 100

131 10.4 5.1 15.4

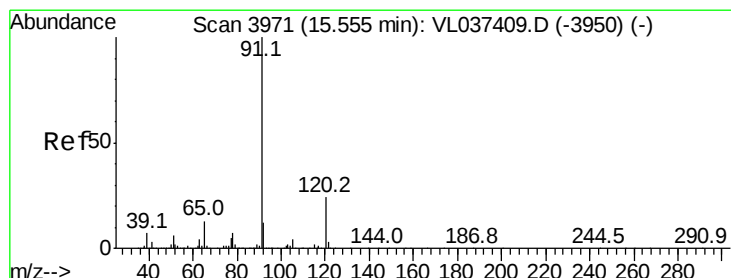
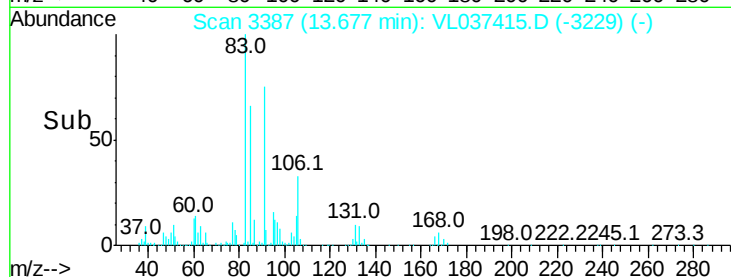
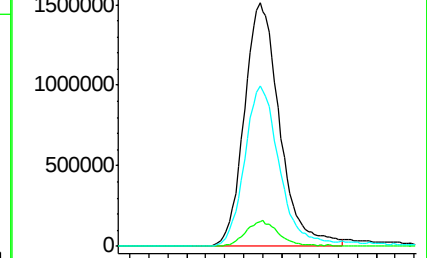
85 67.3 33.4 100.2



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: 10.482 ppbv

RT: 15.56 min Scan# 3973

Delta R.T. 0.01 min

Lab File: VL037415.D

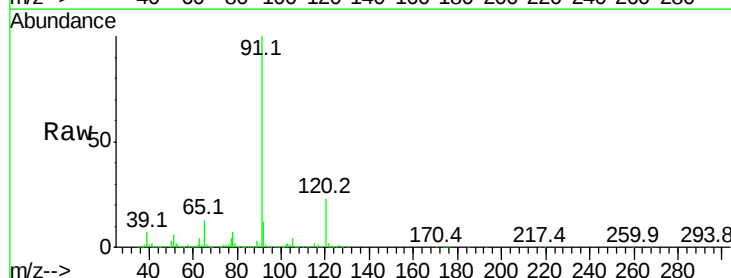
Acq: 12 Aug 2021 14:49

Tgt Ion: 120 Resp: 1972090

Ion Ratio Lower Upper

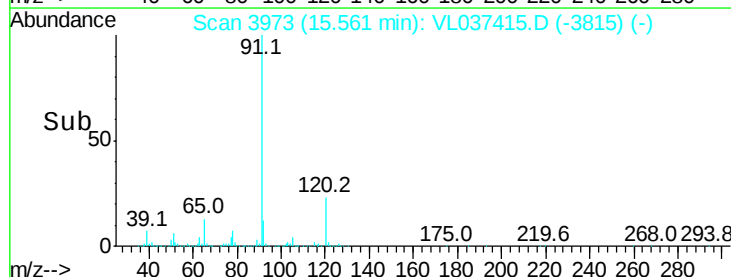
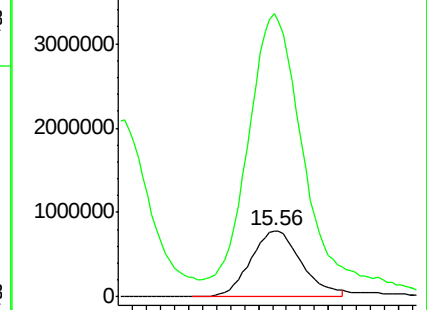
120 100

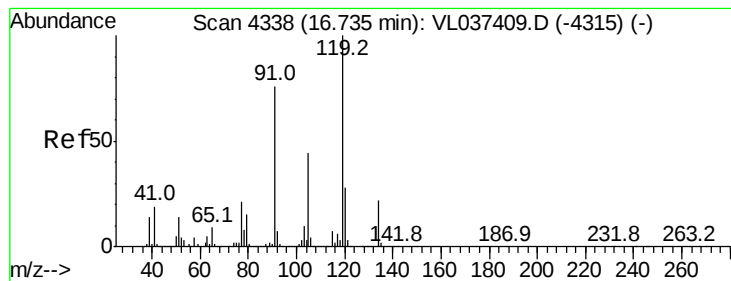
91 491.4 388.4 582.6



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 10.034 ppbv

RT: 16.74 min Scan# 4341

Delta R.T. 0.01 min

Lab File: VL037415.D

Acq: 12 Aug 2021 14:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

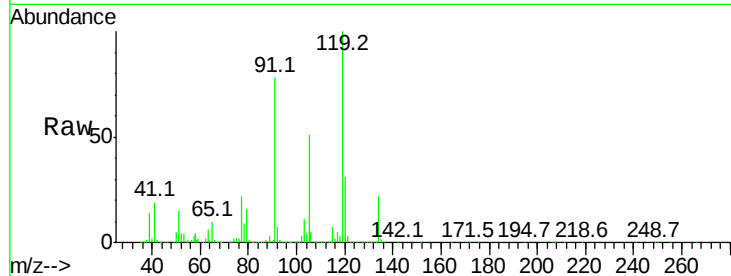
Tgt Ion:119 Resp: 6709517

Ion Ratio Lower Upper

119 100

91 79.5 62.2 93.4

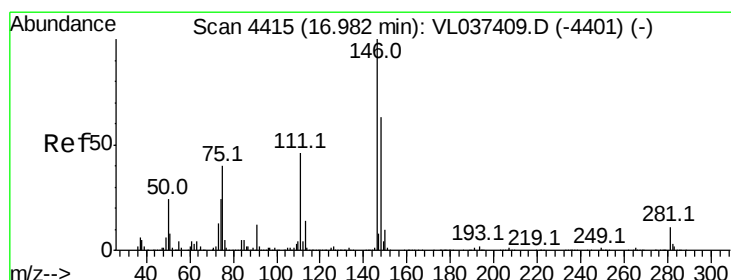
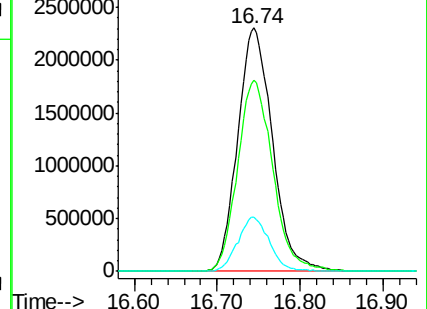
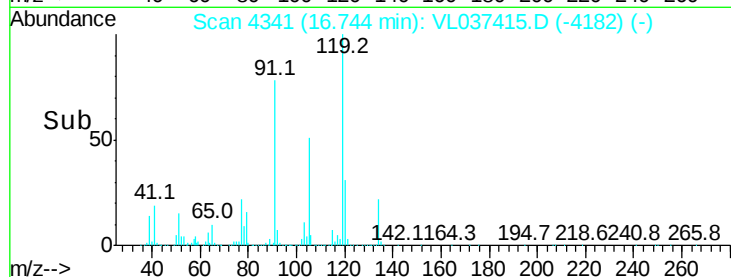
134 20.5 16.1 24.1



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: 15.670 ppbv

RT: 16.99 min Scan# 4417

Delta R.T. 0.01 min

Lab File: VL037415.D

Acq: 12 Aug 2021 14:49

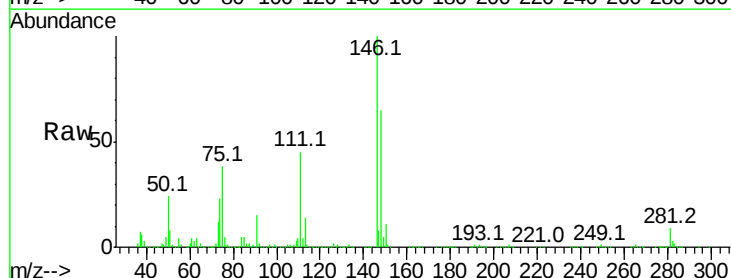
Tgt Ion: 91 Resp: 444223

Ion Ratio Lower Upper

91 100

126 18.6 14.3 21.5

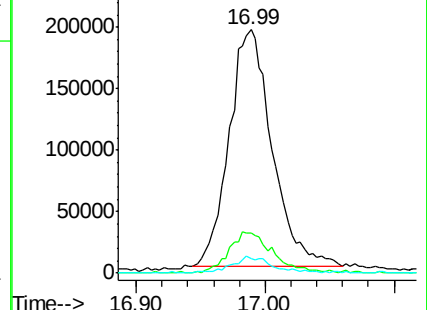
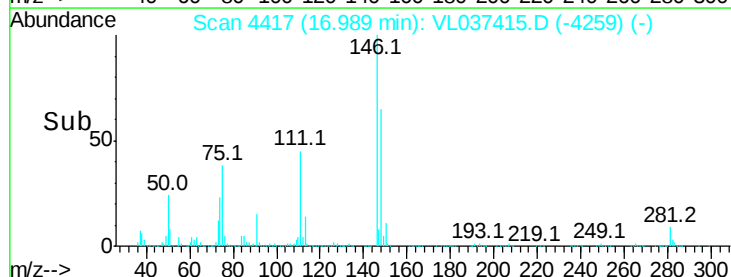
128 7.3 4.6 7.0#

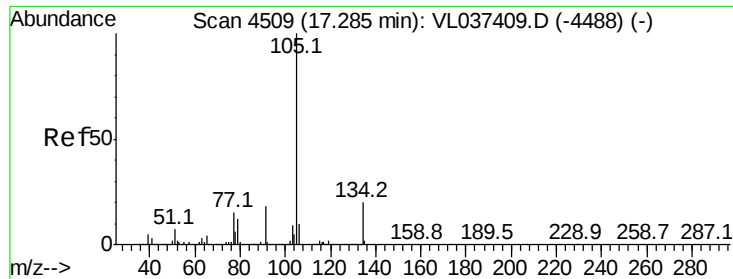


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V

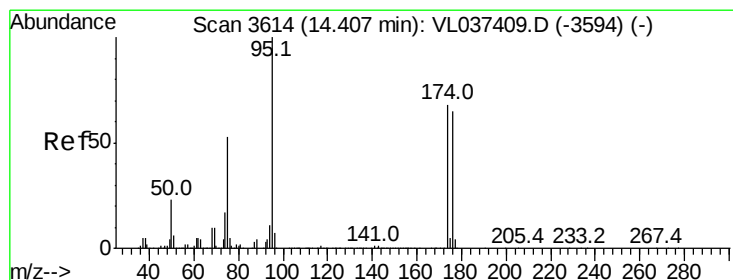
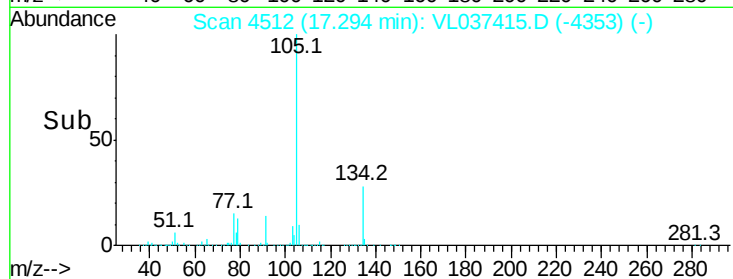
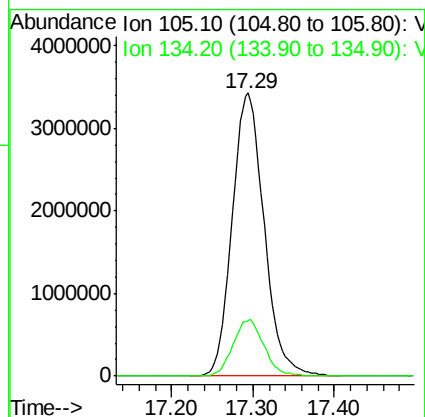
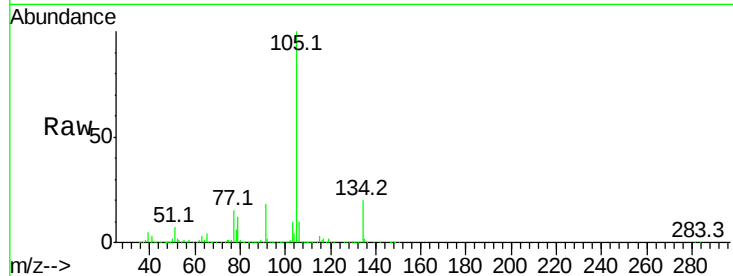




#67
 sec-Butylbenzene
 Concen: 10.137 ppbv
 RT: 17.29 min Scan# 4512
 Delta R.T. 0.01 min
 Lab File: VL037415.D
 Acq: 12 Aug 2021 14:49

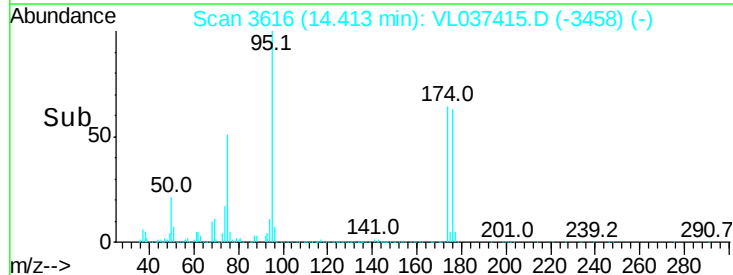
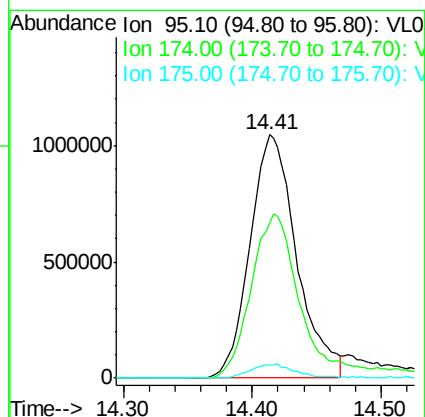
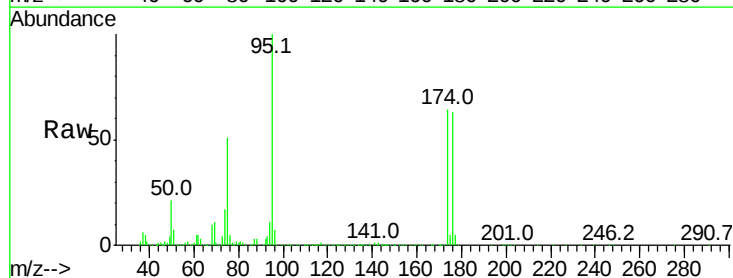
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

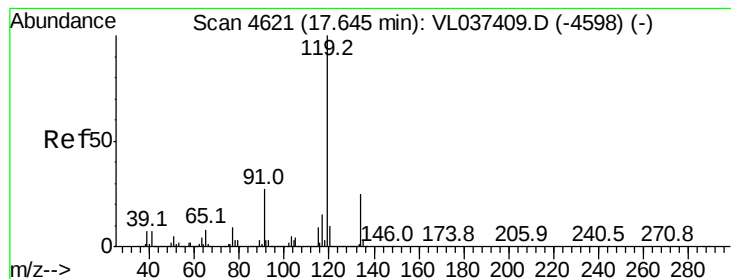
Tgt Ion: 105 Resp: 9318074
 Ion Ratio Lower Upper
 105 100
 134 19.4 15.4 23.0



#68
 1-Bromo-4-Fluorobenzene
 Concen: 7.159 ppbv
 RT: 14.41 min Scan# 3616
 Delta R.T. 0.01 min
 Lab File: VL037415.D
 Acq: 12 Aug 2021 14:49

Tgt Ion: 95 Resp: 2637059
 Ion Ratio Lower Upper
 95 100
 174 75.9 59.6 89.4
 175 6.2 4.3 6.5





#69

p-Isopropyltoluene

Concen: 10.757 ppbv

RT: 17.65 min Scan# 4623

Delta R.T. 0.01 min

Lab File: VL037415.D

Acq: 12 Aug 2021 14:49

Instrument :

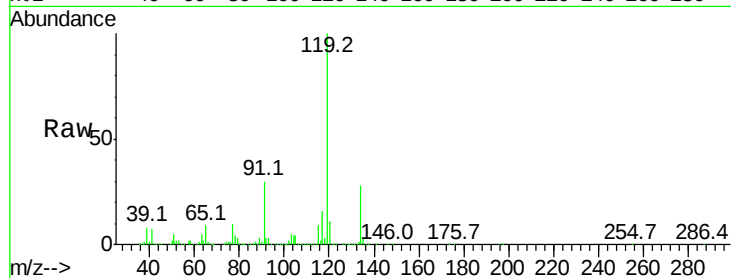
MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 119 Resp: 7985670

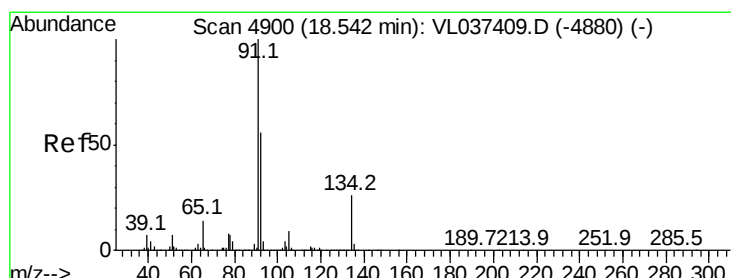
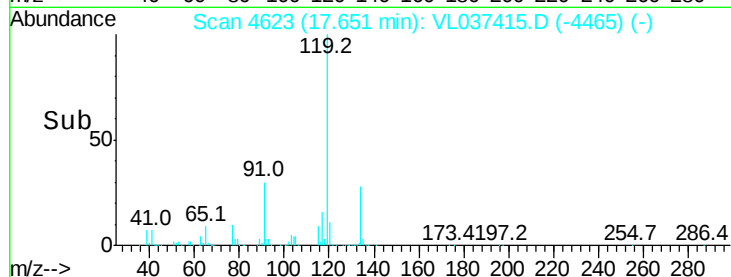
Ion	Ratio	Lower	Upper
119	100		
134	26.6	20.6	31.0
91	28.6	22.4	33.6



Abundance Ion 119.10 (118.80 to 119.80): V

Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): V



#70

n-Butylbenzene

Concen: 11.316 ppbv

RT: 18.55 min Scan# 4902

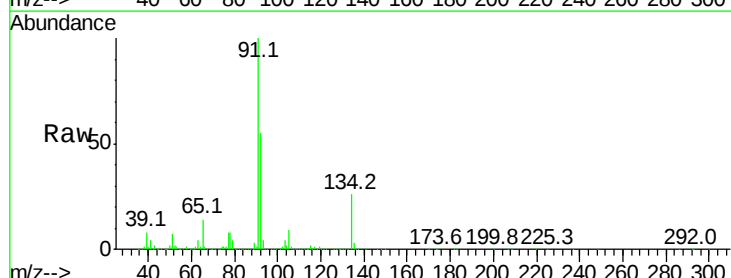
Delta R.T. 0.01 min

Lab File: VL037415.D

Acq: 12 Aug 2021 14:49

Tgt Ion: 91 Resp: 7893015

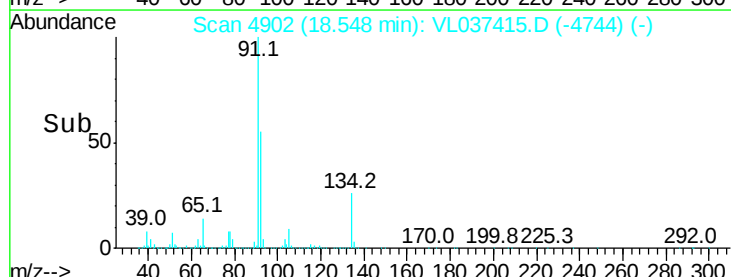
Ion	Ratio	Lower	Upper
91	100		
92	55.4	44.2	66.2
134	24.9	19.5	29.3

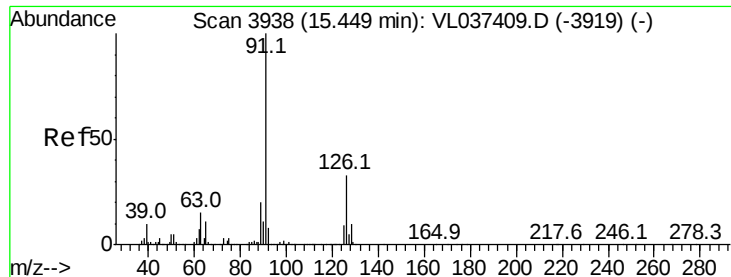


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 10.375 ppbv

RT: 15.46 min Scan# 3940

Delta R.T. 0.01 min

Lab File: VL037415.D

Acq: 12 Aug 2021 14:49

Instrument :

MSVOA_L

ClientSampleId :

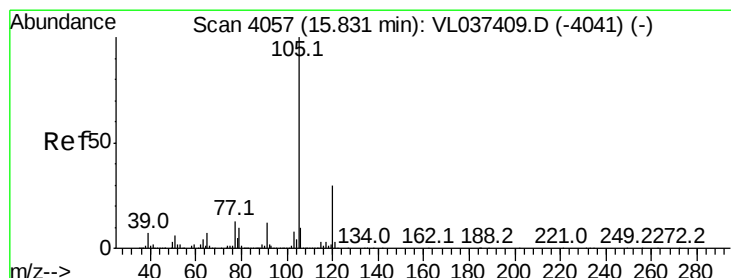
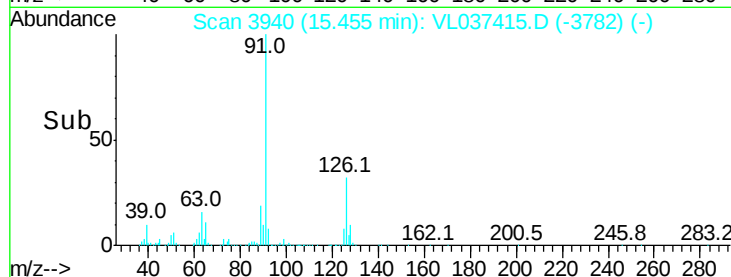
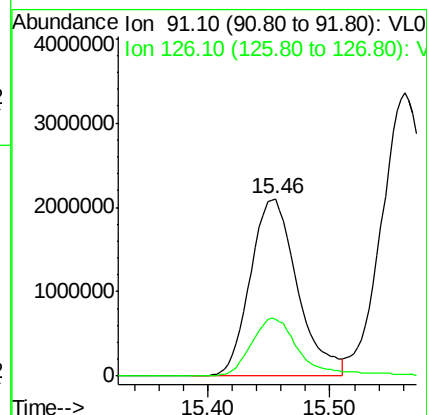
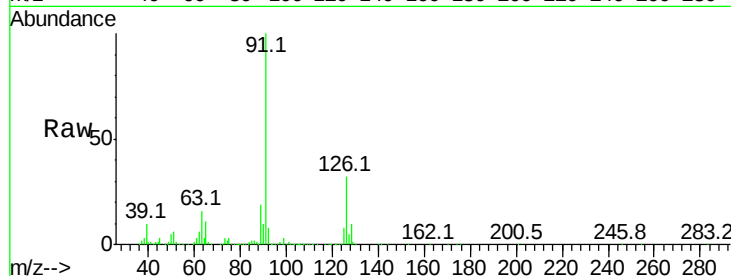
VSTDIC015

Tgt Ion: 91 Resp: 5615125

Ion Ratio Lower Upper

91 100

126 34.3 13.5 53.9



#72

4-Ethyltoluene

Concen: 11.344 ppbv

RT: 15.84 min Scan# 4060

Delta R.T. 0.01 min

Lab File: VL037415.D

Acq: 12 Aug 2021 14:49

Tgt Ion: 105 Resp: 6982276

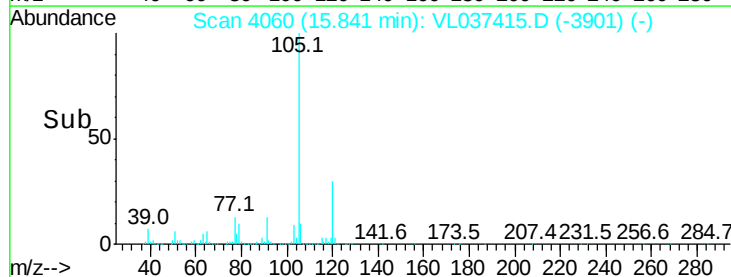
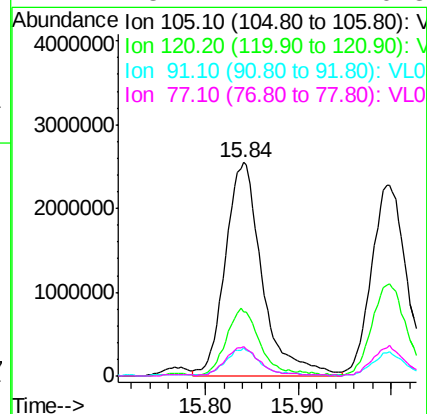
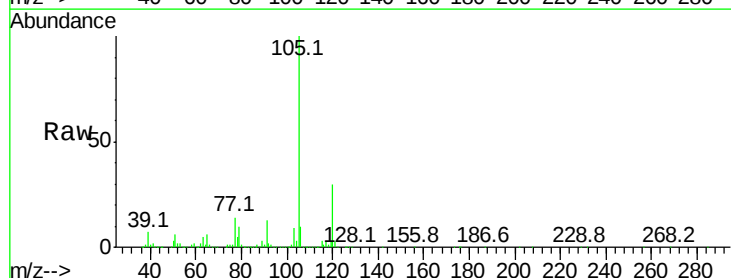
Ion Ratio Lower Upper

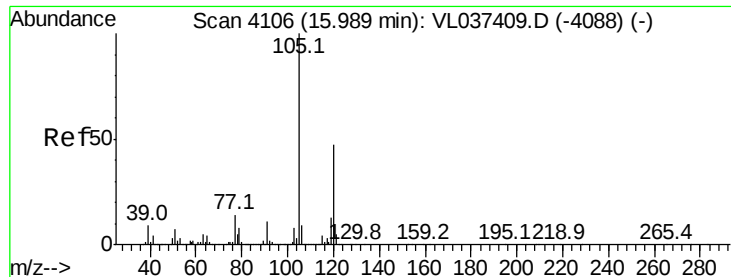
105 100

120 29.9 25.0 37.4

91 11.9 11.2 16.8

77 13.1 11.2 16.8





#73

1,3,5-Trimethylbenzene

Concen: 10.482 ppbv

RT: 16.00 min Scan# 4108

Delta R.T. 0.01 min

Lab File: VL037415.D

Acq: 12 Aug 2021 14:49

Instrument :

MSVOA_L

ClientSampleId :

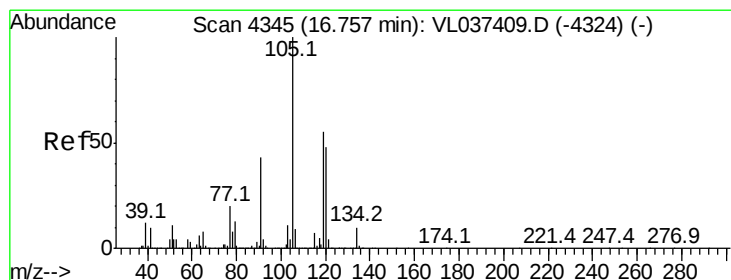
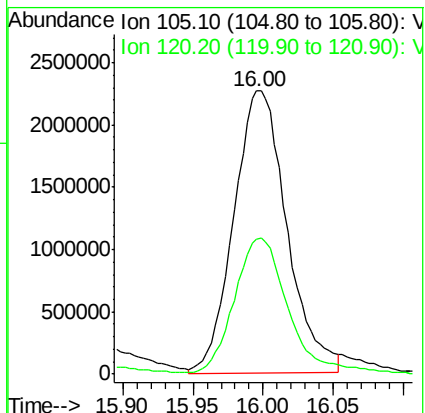
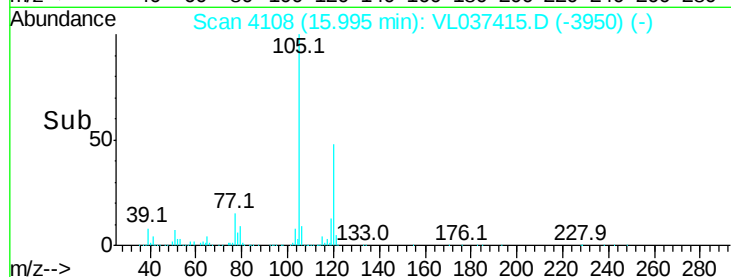
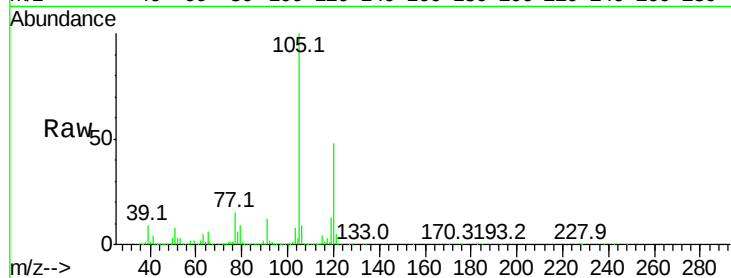
VSTDIC015

Tgt Ion:105 Resp: 5984630

Ion Ratio Lower Upper

105 100

120 48.0 37.4 56.0



#74

1,2,4-Trimethylbenzene

Concen: 10.702 ppbv

RT: 16.77 min Scan# 4348

Delta R.T. 0.01 min

Lab File: VL037415.D

Acq: 12 Aug 2021 14:49

Tgt Ion:105 Resp: 6204841

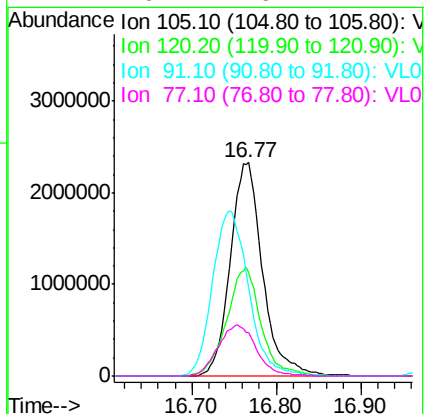
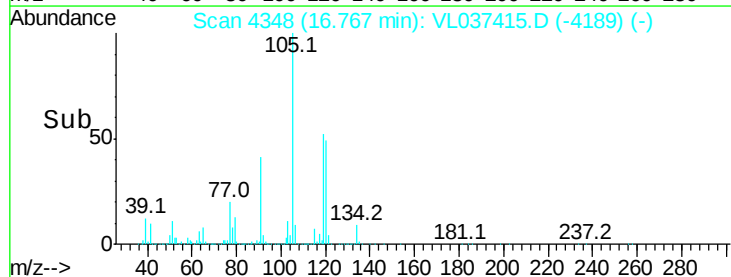
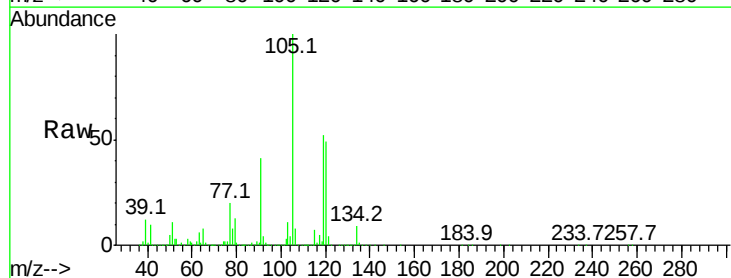
Ion Ratio Lower Upper

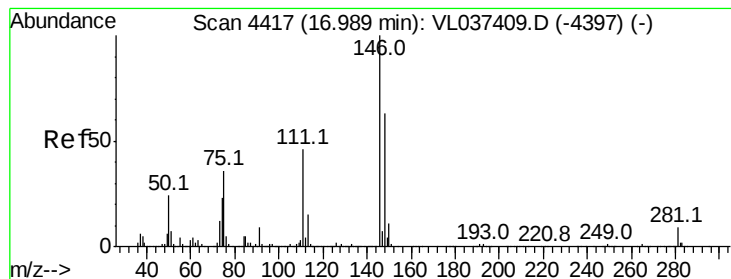
105 100

120 48.5 38.2 57.2

91 41.0 35.4 53.2

77 20.1 16.2 24.2





#75

1,3-Dichlorobenzene

Concen: 10.872 ppbv

RT: 17.00 min Scan# 4419

Delta R.T. 0.01 min

Lab File: VL037415.D

Acq: 12 Aug 2021 14:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

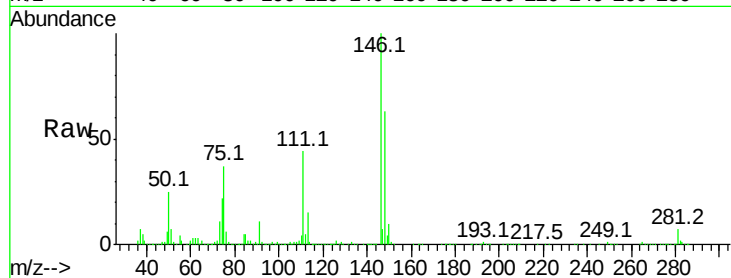
Tgt Ion:146 Resp: 3830114

Ion Ratio Lower Upper

146 100

111 46.3 22.9 68.7

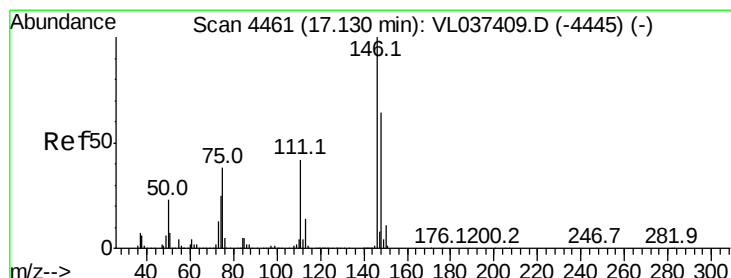
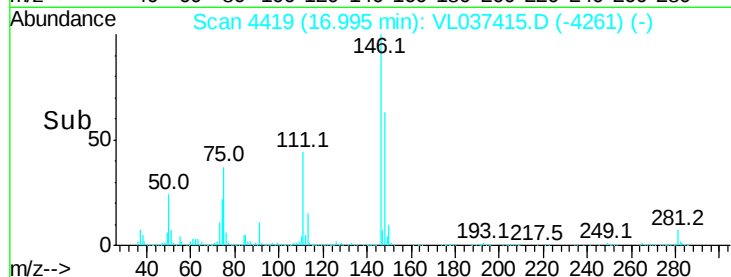
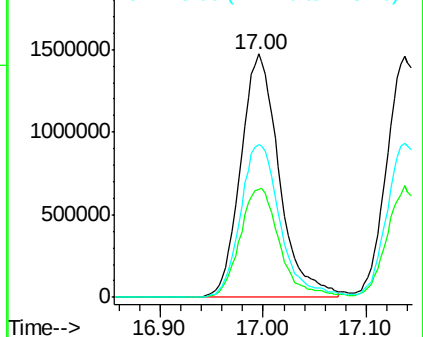
148 64.8 32.0 96.2



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: 10.925 ppbv

RT: 17.14 min Scan# 4463

Delta R.T. 0.01 min

Lab File: VL037415.D

Acq: 12 Aug 2021 14:49

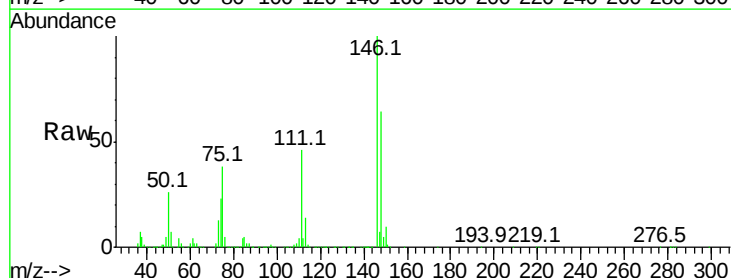
Tgt Ion:146 Resp: 3779417

Ion Ratio Lower Upper

146 100

111 45.2 22.8 68.4

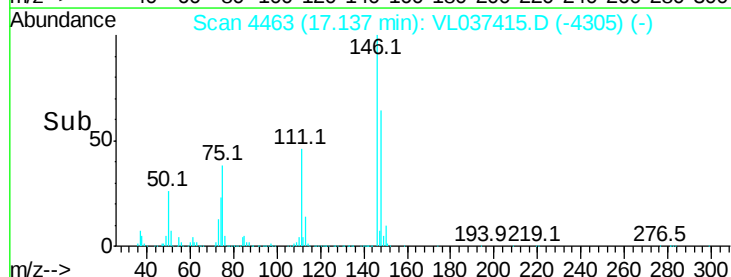
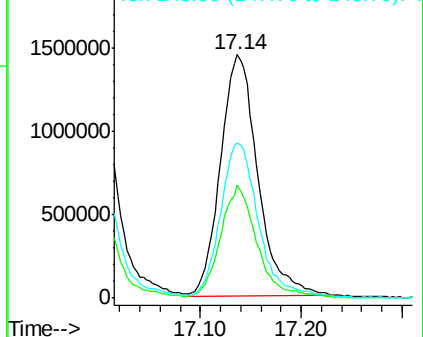
148 65.3 34.0 102.0

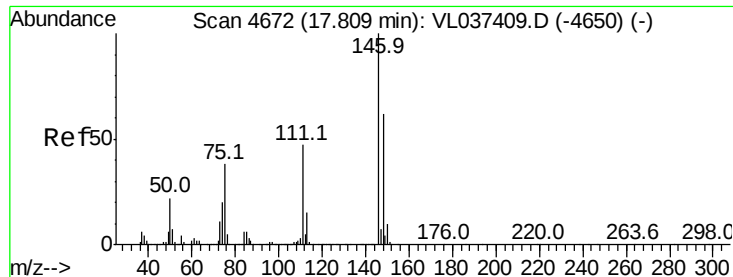


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

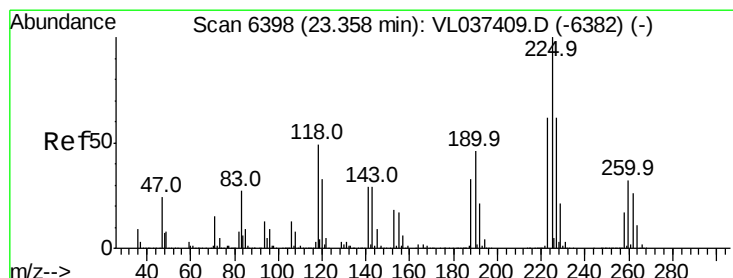
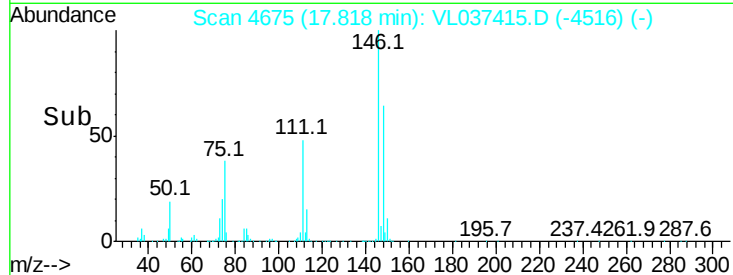
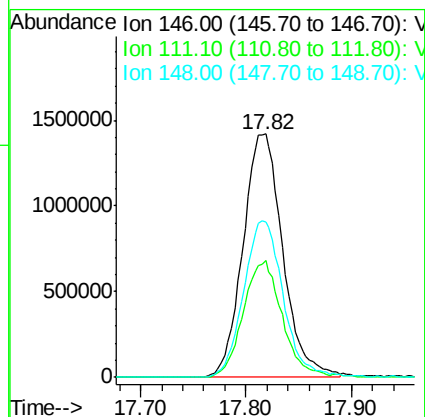
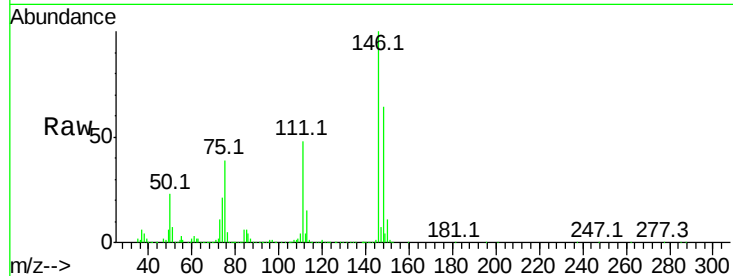




#77
 1,2-Dichlorobenzene
 Concen: 10.908 ppbv
 RT: 17.82 min Scan# 4675
 Delta R.T. 0.01 min
 Lab File: VL037415.D
 Acq: 12 Aug 2021 14:49

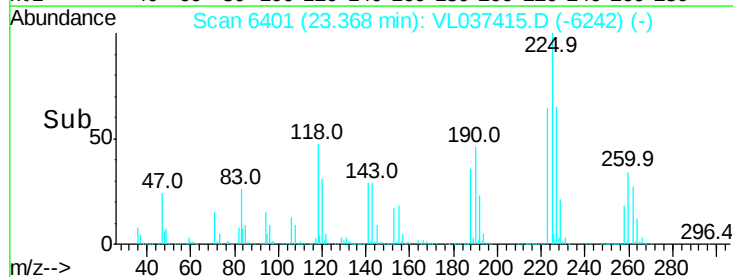
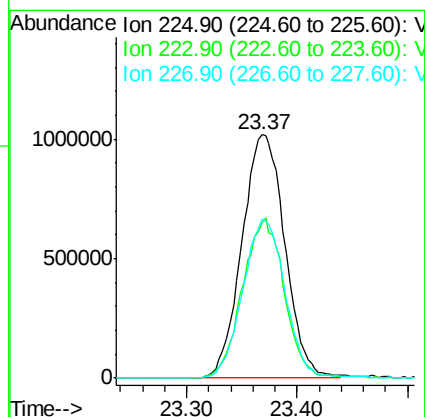
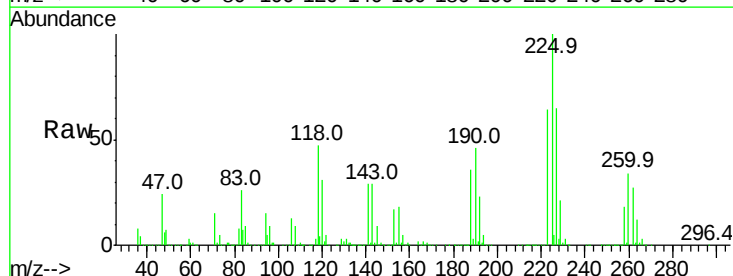
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

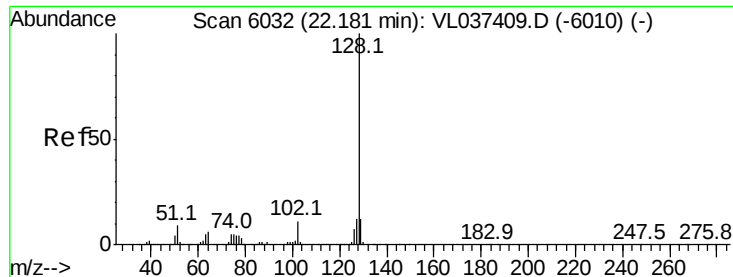
Tgt Ion:146 Resp: 3703582
 Ion Ratio Lower Upper
 146 100
 111 47.5 23.8 71.5
 148 64.6 32.5 97.4



#78
 Hexachloro-1,3-Butadiene
 Concen: 10.080 ppbv
 RT: 23.37 min Scan# 6401
 Delta R.T. 0.01 min
 Lab File: VL037415.D
 Acq: 12 Aug 2021 14:49

Tgt Ion:225 Resp: 2744317
 Ion Ratio Lower Upper
 225 100
 223 64.0 51.2 76.8
 227 64.8 52.2 78.4





#79

Naphthalene

Concen: 15.978 ppbv

RT: 22.19 min Scan# 6035

Delta R.T. 0.01 min

Lab File: VL037415.D

Acq: 12 Aug 2021 14:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

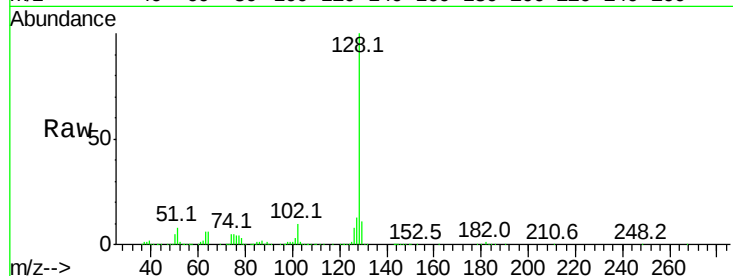
Tgt Ion:128 Resp: 5046648

Ion Ratio Lower Upper

128 100

127 12.9 9.9 14.9

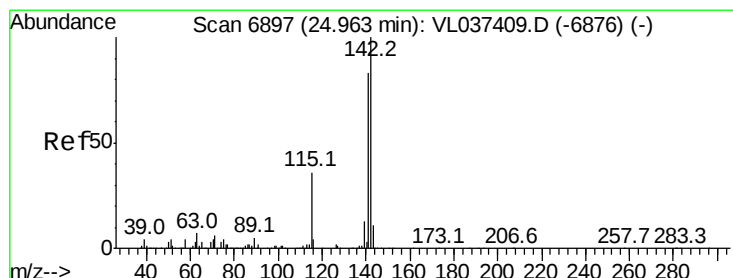
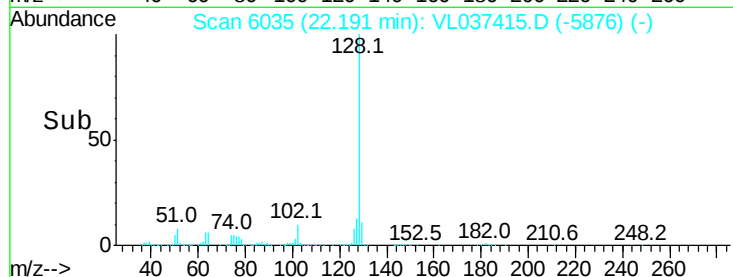
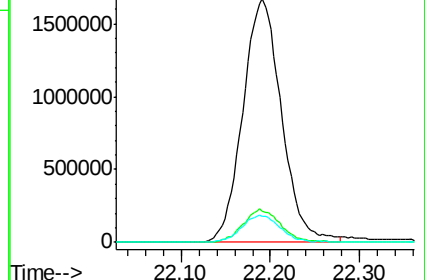
129 10.7 9.4 14.0



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: 24.338 ppbv

RT: 24.97 min Scan# 6898

Delta R.T. 0.00 min

Lab File: VL037415.D

Acq: 12 Aug 2021 14:49

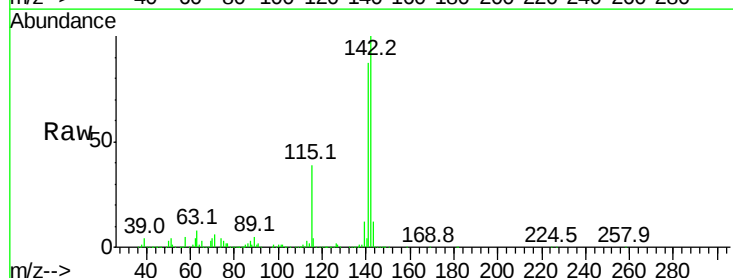
Tgt Ion:142 Resp: 1511196

Ion Ratio Lower Upper

142 100

141 88.9 68.7 103.1

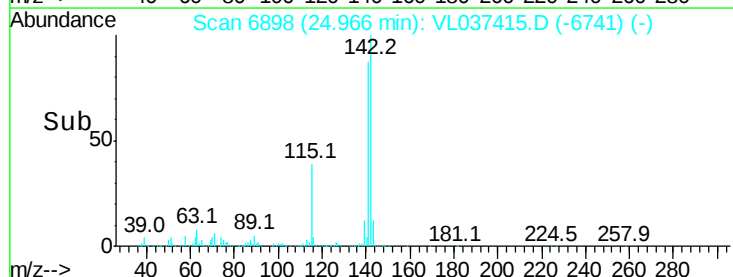
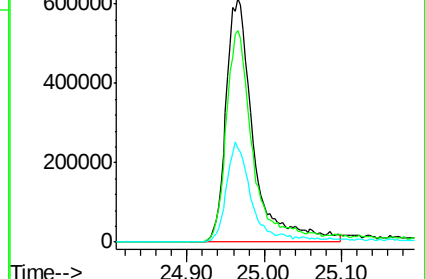
115 38.4 32.7 49.1

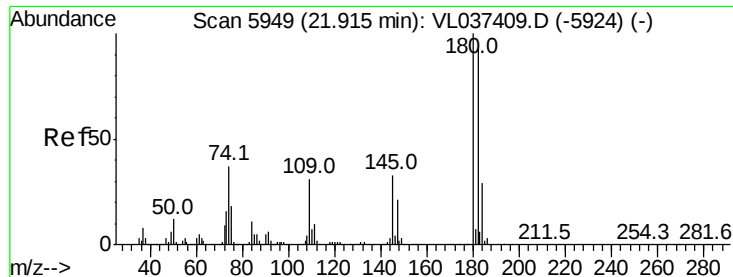


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81

1,2,4-Trichlorobenzene

Concen: 13.638 ppbv

RT: 21.92 min Scan# 5952

Delta R.T. 0.01 min

Lab File: VL037415.D

Acq: 12 Aug 2021 14:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

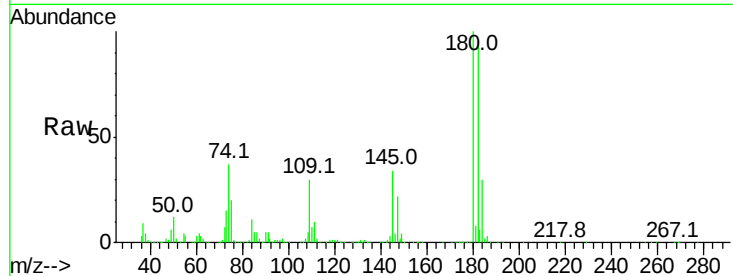
Tgt Ion:180 Resp: 2953917

Ion Ratio Lower Upper

180 100

182 97.3 78.6 118.0

184 32.1 24.6 36.8



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

