

Data File : VL035426.D
Acq On : 17 Aug 2020 18:05
Operator : SY/AP
Sample : VSTDIC015
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Quant Time: Aug 17 19:19:45 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081720AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Aug 17 09:05:17 2020
QLast Update : Mon Aug 17 09:05:17 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	1056260	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	7.20	114	4966334	10.00	ppbv	0.01
55) Chlorobenzene-d5	12.12	117	5357727	10.00	ppbv	0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.46	95	3647140	8.04	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	80.40%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.05	85	2182229	15.559	ppbv	97
3) Chlorodifluoromethane	2.99	51	1753745	12.956	ppbv #	91
4) Chloromethane	3.14	50	946284	13.272	ppbv	98
5) Vinyl Chloride	3.26	62	1121752	15.486	ppbv	97
6) Bromomethane	3.48	94	984854	24.790	ppbv	98
7) Chloroethane	3.56	64	415334	17.284	ppbv	95
8) Dichlorotetrafluoroethane	3.19	85	2943429	18.409	ppbv #	56
9) Propene	3.01	41	713460	11.109	ppbv	100
10) Heptane	8.15	43	1882772	11.597	ppbv #	79
11) Trichlorofluoromethane	3.96	101	3882494	23.063	ppbv	93
12) 1,1,2-Trichlorotrifluoroet	4.50	101	2985184	27.232	ppbv #	76
13) Ethanol	3.61	45	175359	8.550	ppbv	99
14) Bromoethene	3.75	108	1386214	28.820	ppbv #	95
15) Acetone	3.86	43	1458211	10.491	ppbv #	82
16) 1,3-Butadiene	3.33	39	687527	10.798	ppbv #	67
17) tert-Butyl alcohol	4.30	59	2072392	15.709	ppbv	98
18) 1,1-Dichloroethene	4.30	96	1397103	28.363	ppbv #	58
19) Isopropyl Alcohol	3.98	45	1050514	10.717	ppbv #	99
20) Methylene Chloride	4.36	84	1143786	22.183	ppbv #	63
21) Allyl Chloride	4.42	41	911144	11.218	ppbv #	82
22) trans-1,2-Dichloroethene	4.90	96	1497380	30.517	ppbv #	63
23) Vinyl Acetate	5.09	43	2482099	12.183	ppbv #	93
24) 1,1-Dichloroethane	5.03	63	2307714	15.889	ppbv #	93
25) Ethyl Acetate	5.70	43	2996234	10.764	ppbv #	92
26) Hexane	5.71	57	1712115	14.157	ppbv #	75
27) Carbon Disulfide	4.56	76	2878207	24.443	ppbv #	86
28) Methyl tert-Butyl Ether	5.05	73	3284182	17.597	ppbv	93
29) Chloroform	5.77	83	3545539	19.089	ppbv	95
30) Cyclohexane	7.15	84	2061428	21.468	ppbv #	60
31) cis-1,2-Dichloroethene	5.57	61	1940527	15.753	ppbv #	64
32) 1,1,1-Trichloroethane	6.54	97	3709982	20.035	ppbv #	89
34) 2-Butanone	5.26	43	2178980	5.689	ppbv #	73
35) Carbon Tetrachloride	7.04	117	3990670	10.816	ppbv	98
36) Benzene	6.92	78	4559333	9.046	ppbv #	94
37) 1,2-Dichloroethane	6.33	62	2210204	7.111	ppbv #	89
38) Trichloroethene	7.86	130	2586397	13.273	ppbv #	83
39) 1,2-Dichloropropane	7.64	63	1569625	7.728	ppbv #	86
40) 1,4-Dioxane	7.86	88	768699	9.782	ppbv #	29
41) Tetrahydrofuran	6.07	42	1268327	5.889	ppbv #	62
42) Bromodichloromethane	7.82	83	3814818	9.597	ppbv #	98
43) Methyl Methacrylate	8.04	69	1957532	8.923	ppbv #	58

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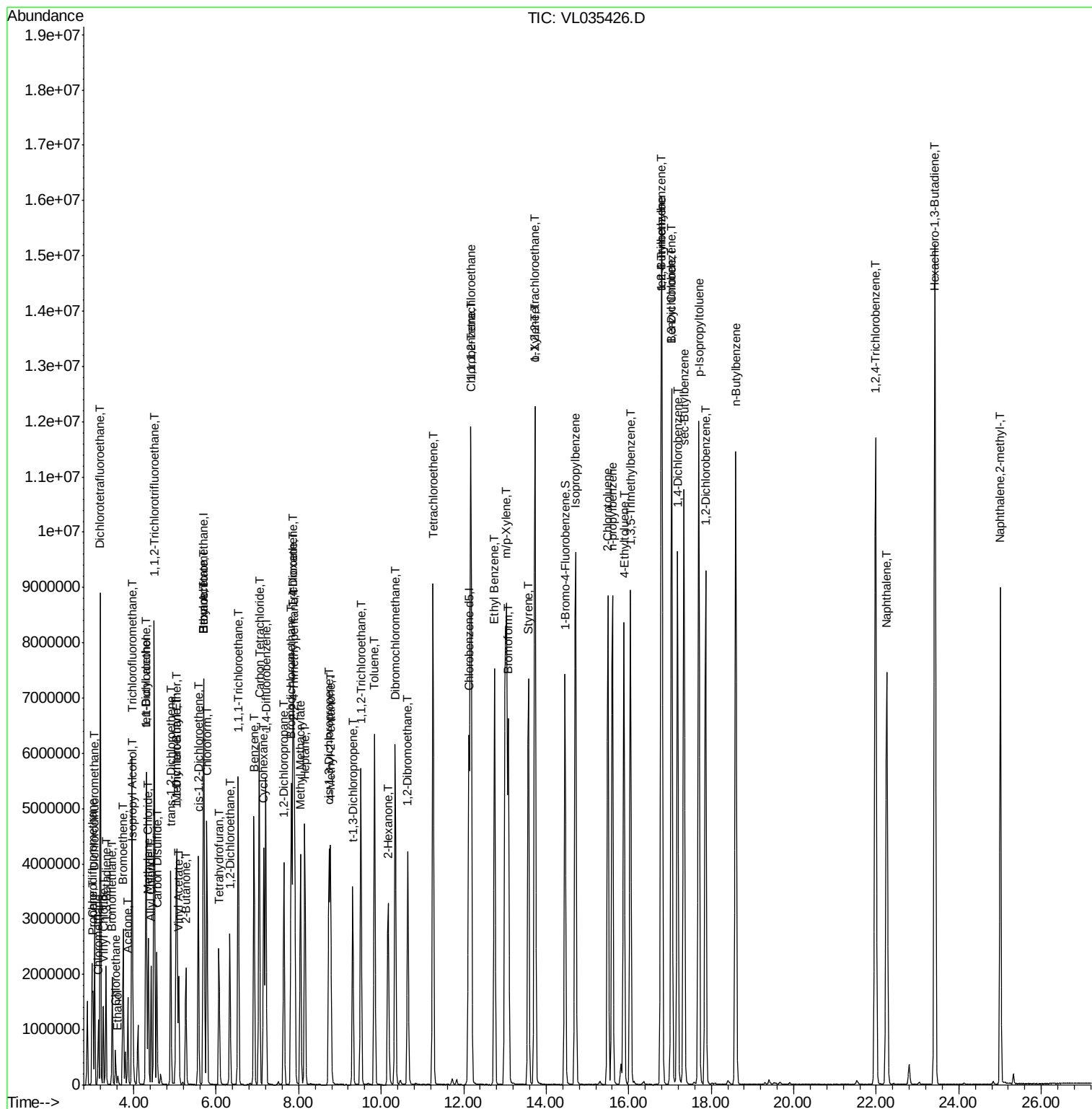
Quant Time: Aug 17 19:19:45 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081720AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Aug 17 09:05:17 2020
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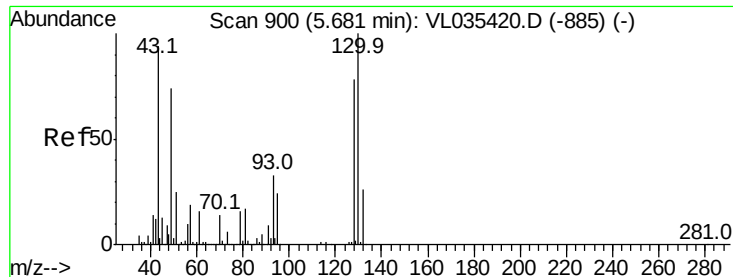
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.90	57	5630248	6.391	ppbv	# 93
45) t-1,3-Dichloropropene	9.31	75	2362616	10.250	ppbv	96
46) cis-1,3-Dichloropropene	8.74	75	2717209	9.736	ppbv	# 76
47) 1,1,2-Trichloroethane	9.51	97	2341040	11.461	ppbv	93
48) Dibromochloromethane	10.34	129	4341319	14.594	ppbv	100
49) Bromoform	13.08	173	4383704	18.746	ppbv	98
50) 4-Methyl-2-Pentanone	8.77	43	3125010	5.640	ppbv	# 80
51) 2-Hexanone	10.16	43	2758410	5.865	ppbv	# 78
52) Tetrachloroethene	11.26	164	2848375	15.887	ppbv	# 85
53) Toluene	9.84	91	5827675	10.153	ppbv	96
54) 1,2-Dibromoethane	10.65	107	3780294	11.992	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.16	131	3330885	12.634	ppbv	98
57) Chlorobenzene	12.19	112	5102898	10.546	ppbv	# 82
58) Ethyl Benzene	12.75	91	7497146	8.452	ppbv	# 77
59) m/p-Xylene	13.04	91	6629607	8.959	ppbv	# 4
60) o-Xylene	13.73	91	6205382	8.521	ppbv	83
61) Styrene	13.57	104	5426207	10.911	ppbv	# 90
62) Isopropylbenzene	14.71	105	9360338	8.710	ppbv	# 81
63) 1,1,2,2-Tetrachloroethane	13.72	83	4339754	7.680	ppbv	96
64) n-propylbenzene	15.60	120	3382743	12.417	ppbv	# 33
65) tert-Butylbenzene	16.79	119	9204187	9.996	ppbv	# 83
66) Benzyl Chloride	17.03	91	3699457	12.269	ppbv	# 86
67) sec-Butylbenzene	17.34	105	11212144	8.246	ppbv	# 76
69) p-Isopropyltoluene	17.70	119	10350422	9.349	ppbv	# 89
70) n-Butylbenzene	18.60	91	9757093	7.539	ppbv	# 85
71) 2-Chlorotoluene	15.49	91	7321781	8.327	ppbv	73
72) 4-Ethyltoluene	15.88	105	8044900	9.428	ppbv	# 89
73) 1,3,5-Trimethylbenzene	16.04	105	7560046	9.385	ppbv	# 77
74) 1,2,4-Trimethylbenzene	16.81	105	7670324	8.893	ppbv	# 89
75) 1,3-Dichlorobenzene	17.04	146	6123533	13.043	ppbv	91
76) 1,4-Dichlorobenzene	17.18	146	6236233	12.953	ppbv	91
77) 1,2-Dichlorobenzene	17.86	146	6142153	12.984	ppbv	91
78) Hexachloro-1,3-Butadiene	23.42	225	4614255	12.700	ppbv	97
79) Naphthalene	22.26	128	11206035	11.129	ppbv	# 92
80) Naphthalene,2-methyl-	25.01	142	5973142	14.217	ppbv	# 93
81) 1,2,4-Trichlorobenzene	21.99	180	7053401	14.779	ppbv	99

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

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.69 min Scan# 902

Delta R.T. 0.01 min

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VSTDIC015

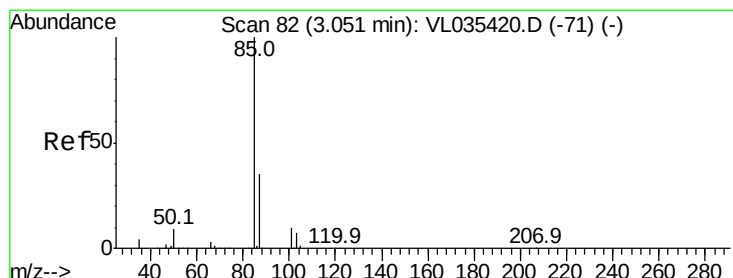
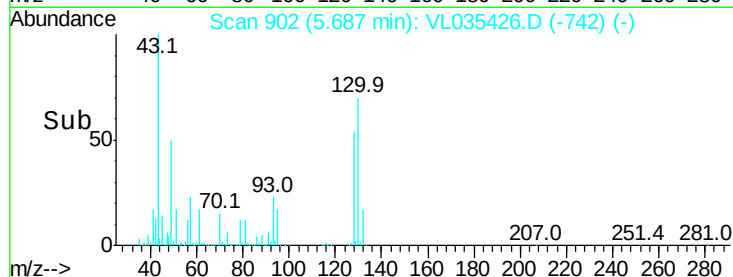
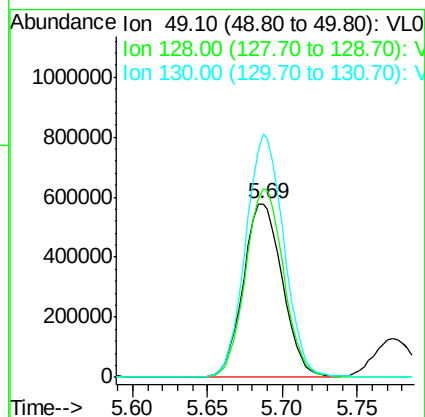
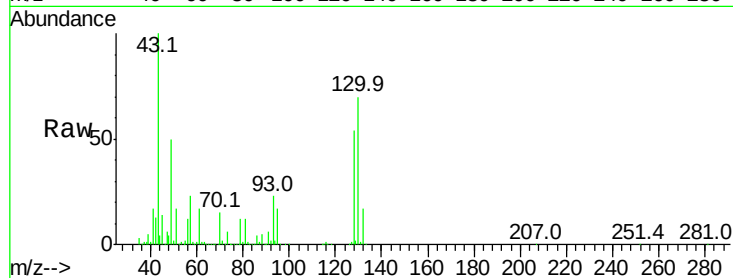
Tgt Ion: 49 Resp: 1056260

Ion Ratio Lower Upper

49 100

128 105.9 20.9 62.7#

130 136.7 26.7 80.1#



#2

Dichlorodifluoromethane

Concen: 15.559 ppbv

RT: 3.05 min Scan# 82

Delta R.T. 0.01 min

Lab File: VL035426.D

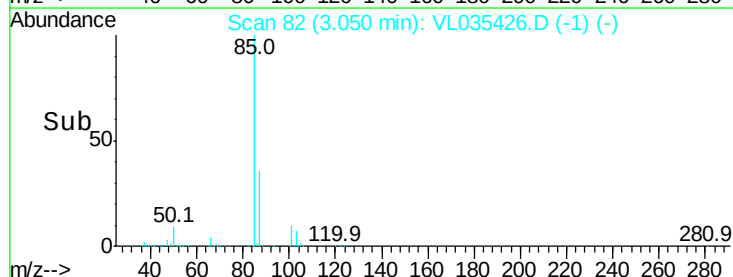
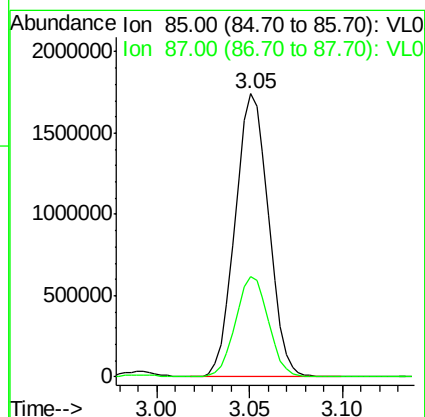
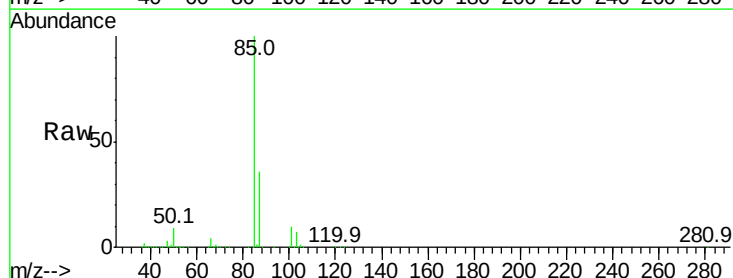
Acq: 17 Aug 2020 18:05

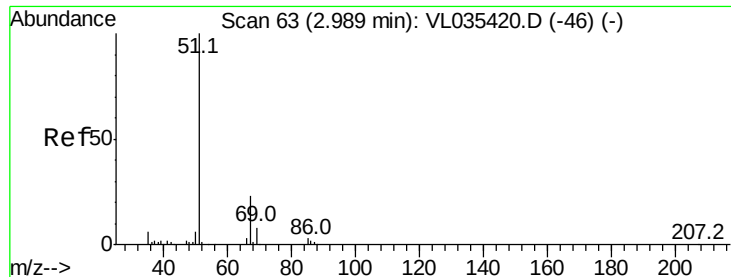
Tgt Ion: 85 Resp: 2182229

Ion Ratio Lower Upper

85 100

87 35.6 27.1 40.7





#3

Chlorodifluoromethane

Concen: 12.956 ppbv

RT: 2.99 min Scan# 63

Delta R.T. 0.01 min

Lab File: VL035426.D

Acq: 17 Aug 2020 18:05

Instrument :

MSVOA_L

ClientSampleId :

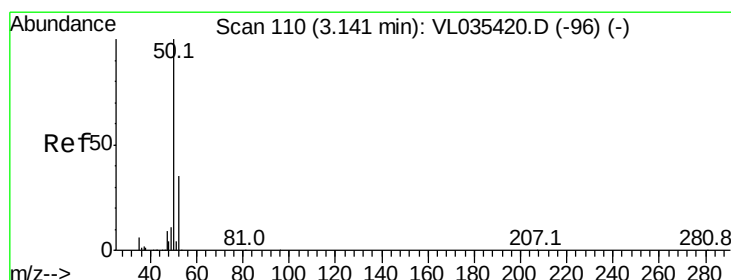
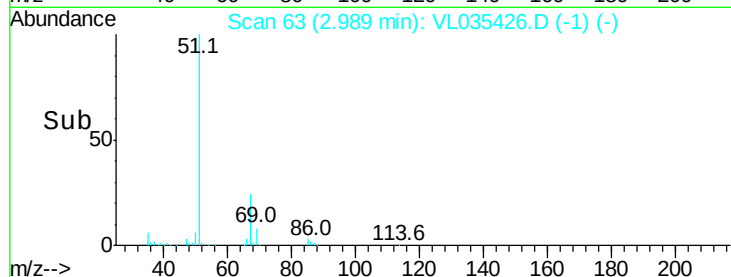
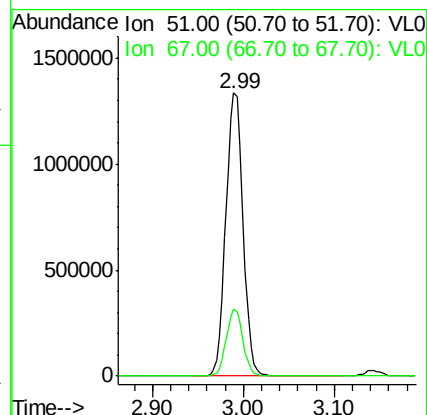
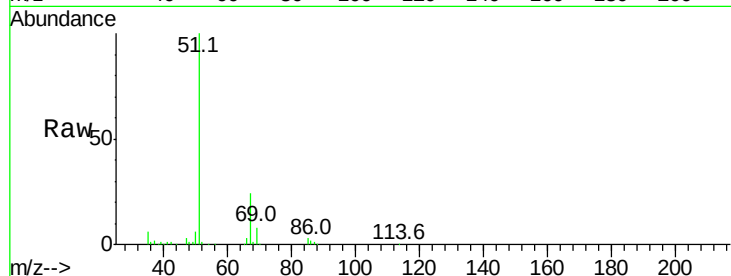
VSTDIC015

Tgt Ion: 51 Resp: 1753745

Ion Ratio Lower Upper

51 100

67 22.8 15.0 22.6#



#4

Chloromethane

Concen: 13.272 ppbv

RT: 3.14 min Scan# 111

Delta R.T. 0.01 min

Lab File: VL035426.D

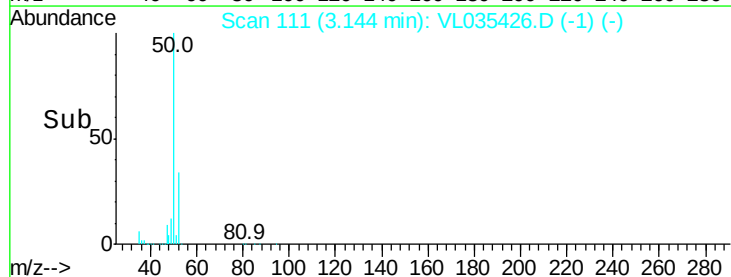
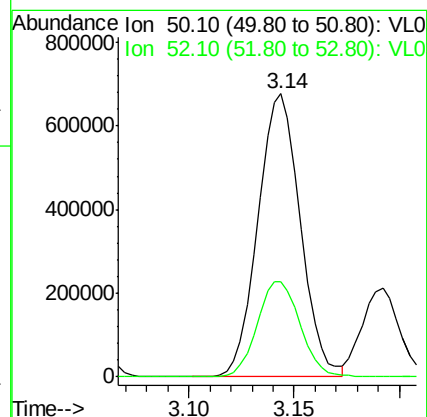
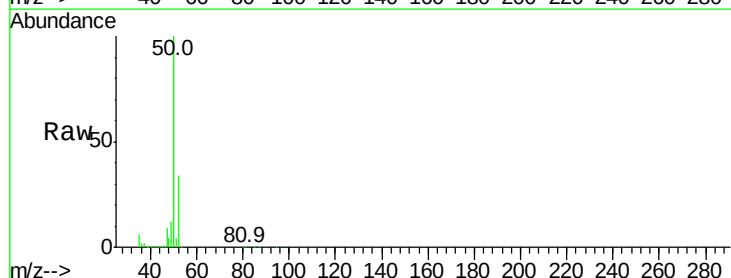
Acq: 17 Aug 2020 18:05

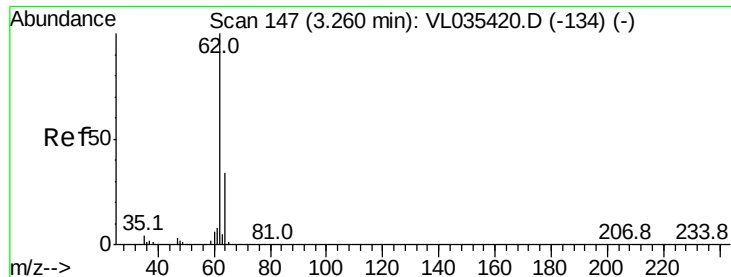
Tgt Ion: 50 Resp: 946284

Ion Ratio Lower Upper

50 100

52 33.8 25.9 38.9





#5

Vinyl Chloride

Concen: 15.486 ppbv

RT: 3.26 min Scan# 147

Delta R.T. 0.01 min

Lab File: VL035426.D

Acq: 17 Aug 2020 18:05

Instrument :

MSVOA_L

ClientSampleId :

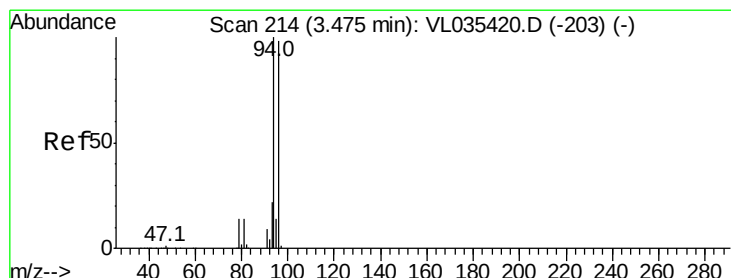
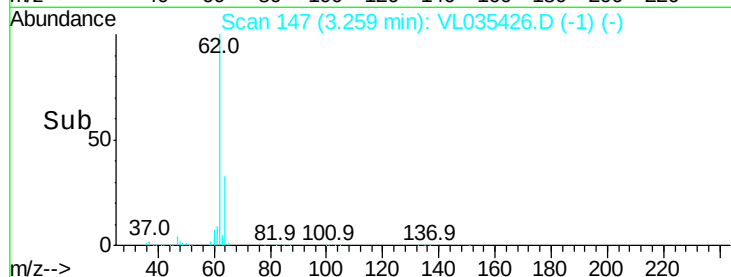
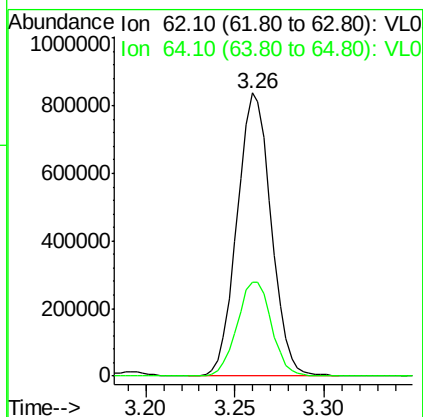
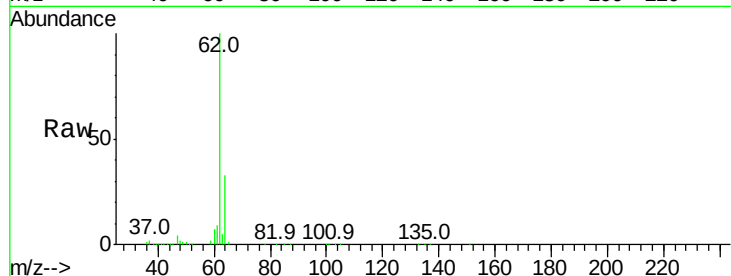
VSTDIC015

Tgt Ion: 62 Resp: 1121752

Ion Ratio Lower Upper

62 100

64 33.0 25.0 37.4



#6

Bromomethane

Concen: 24.790 ppbv

RT: 3.48 min Scan# 215

Delta R.T. 0.01 min

Lab File: VL035426.D

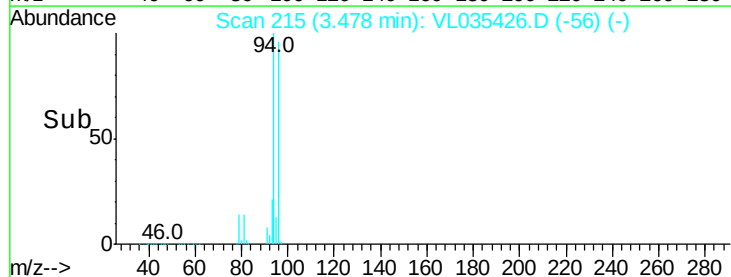
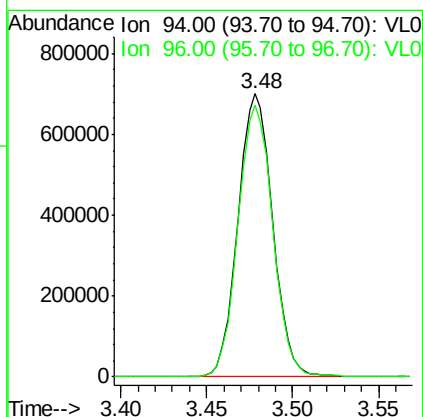
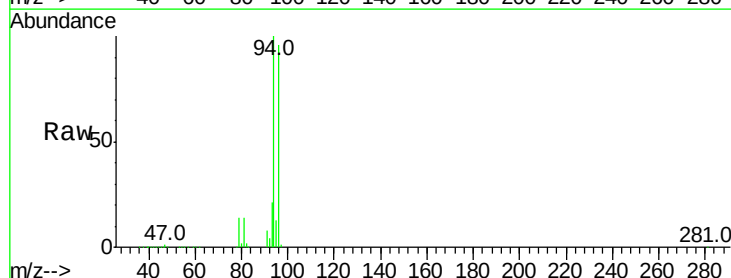
Acq: 17 Aug 2020 18:05

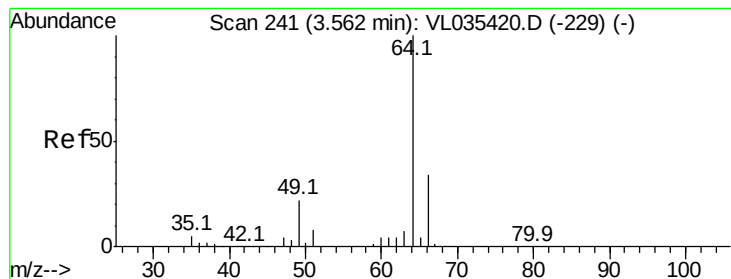
Tgt Ion: 94 Resp: 984854

Ion Ratio Lower Upper

94 100

96 96.1 75.0 112.6





#7

Chloroethane

Concen: 17.284 ppbv

RT: 3.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VL035426.D

Acq: 17 Aug 2020 18:05

Instrument :

MSVOA_L

ClientSampleId :

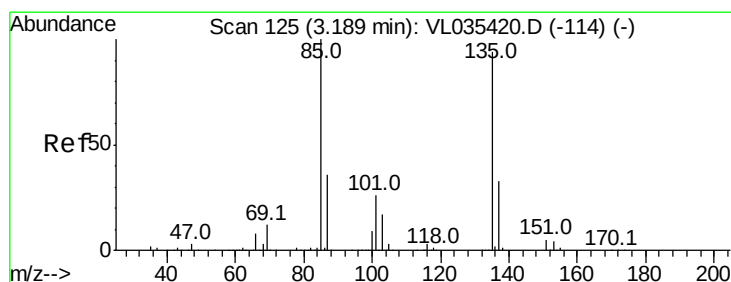
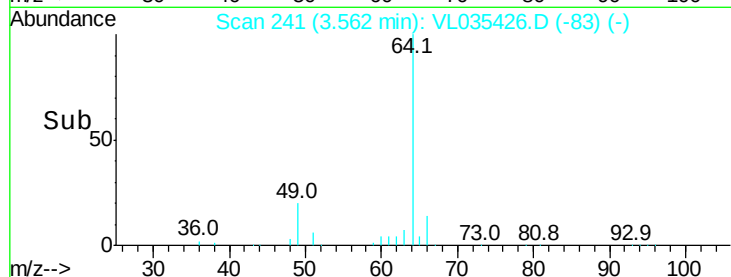
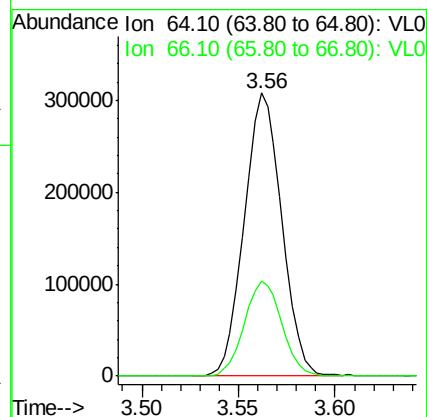
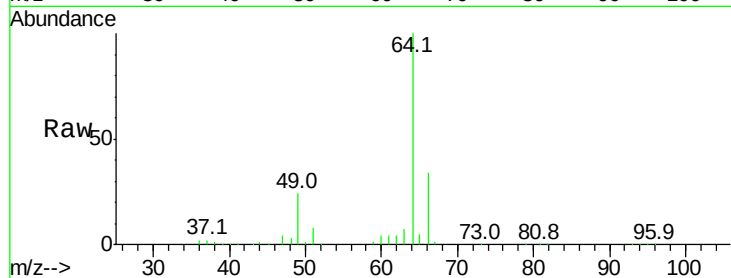
VSTDIC015

Tgt Ion: 64 Resp: 415334

Ion Ratio Lower Upper

64 100

66 33.6 24.5 36.7



#8

Dichlorotetrafluoroethane

Concen: 18.409 ppbv

RT: 3.19 min Scan# 126

Delta R.T. 0.01 min

Lab File: VL035426.D

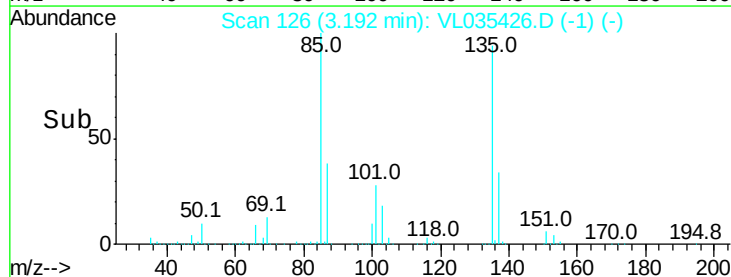
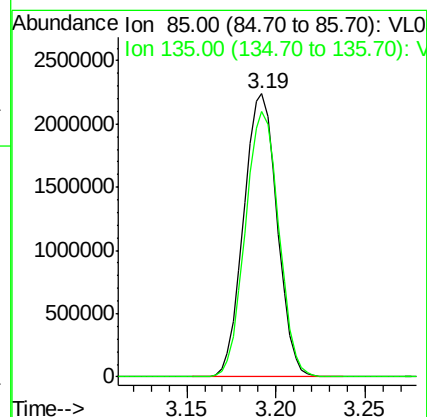
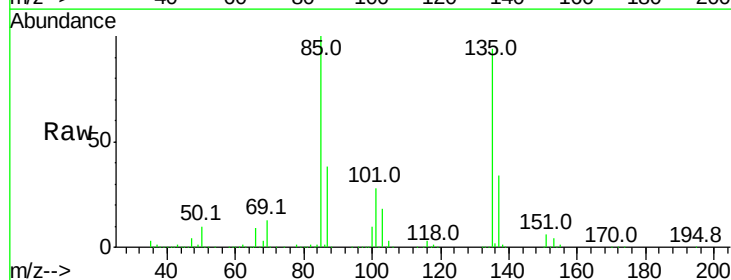
Acq: 17 Aug 2020 18:05

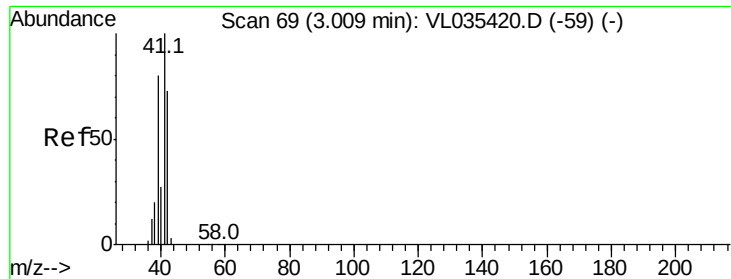
Tgt Ion: 85 Resp: 2943429

Ion Ratio Lower Upper

85 100

135 94.3 48.6 72.8#





#9

Propene

Concen: 11.109 ppbv

RT: 3.01 min Scan# 70

Delta R.T. 0.01 min

Lab File: VL035426.D

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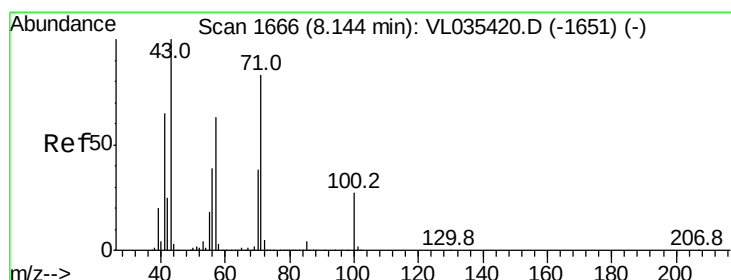
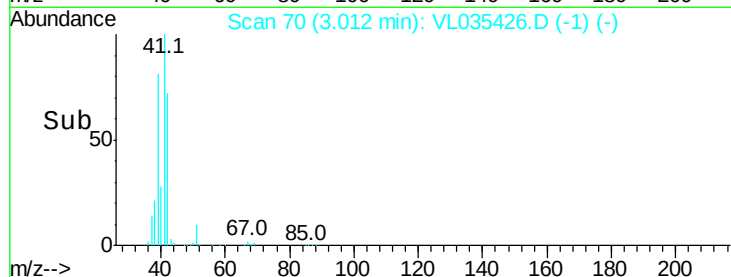
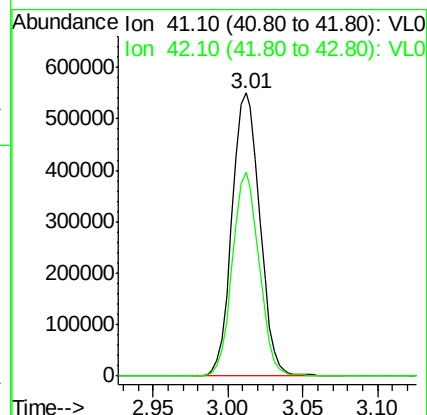
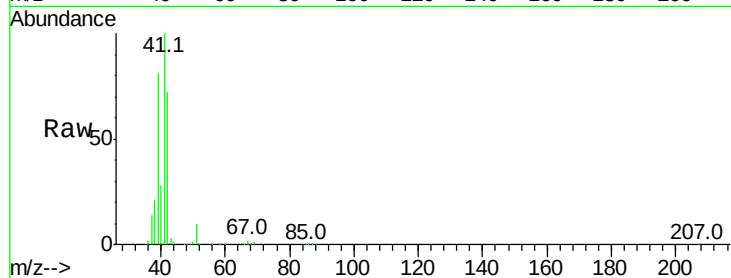
VSTDIC015

Tgt Ion: 41 Resp: 713460

Ion Ratio Lower Upper

41 100

42 69.6 55.5 83.3



#10

Heptane

Concen: 11.597 ppbv

RT: 8.15 min Scan# 1668

Delta R.T. 0.01 min

Lab File: VL035426.D

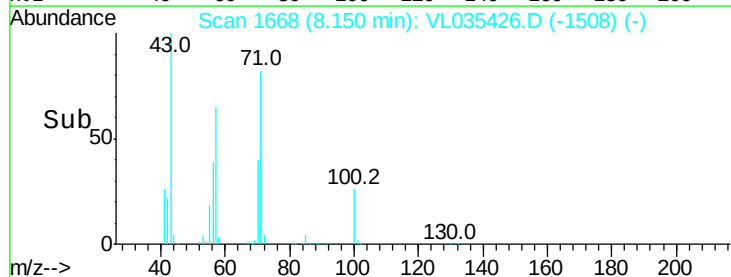
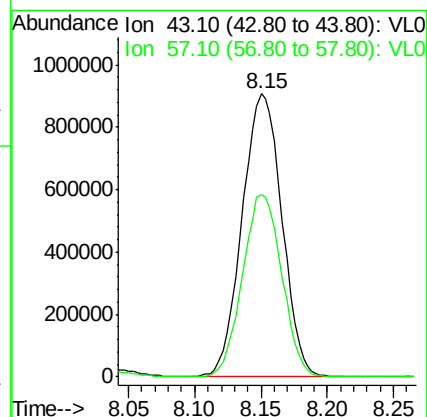
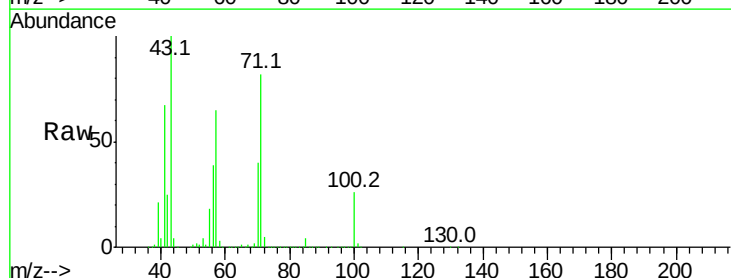
Acq: 17 Aug 2020 18:05

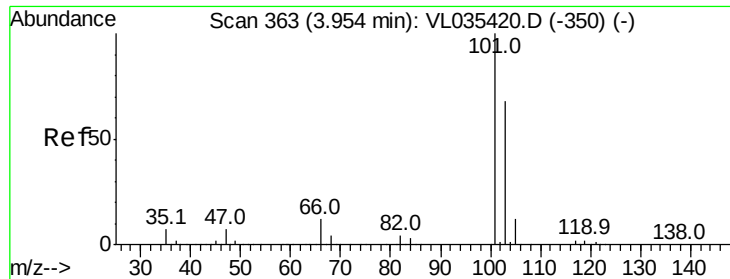
Tgt Ion: 43 Resp: 1882772

Ion Ratio Lower Upper

43 100

57 64.1 39.8 59.6#

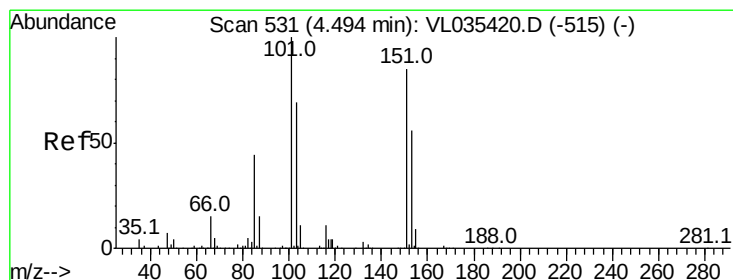
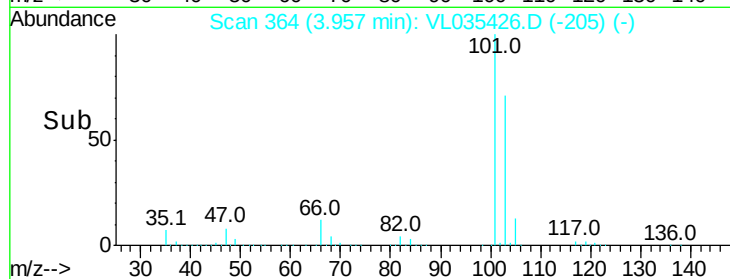
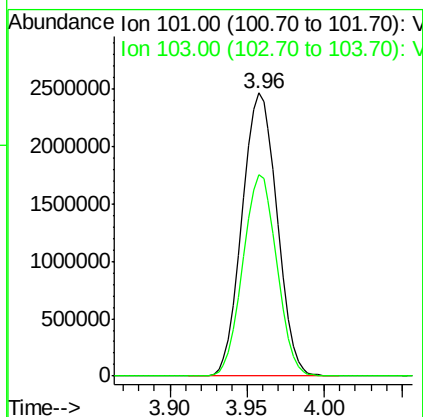
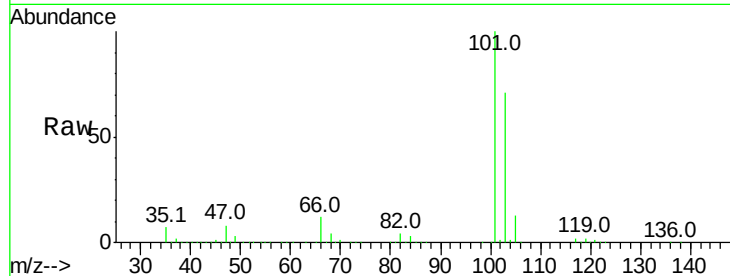




#11
 Trichlorofluoromethane
 Concen: 23.063 ppbv
 RT: 3.96 min Scan# 364
 Delta R.T. 0.01 min
 Lab File: VL035426.D
 Acq: 17 Aug 2020 18:05

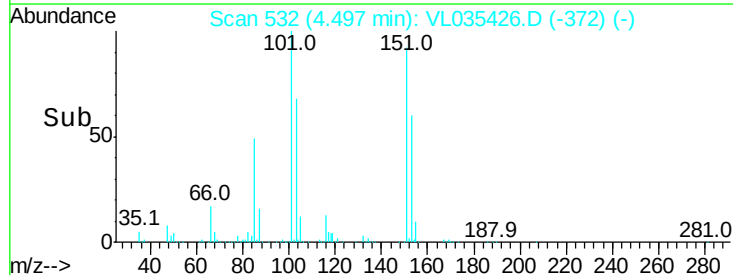
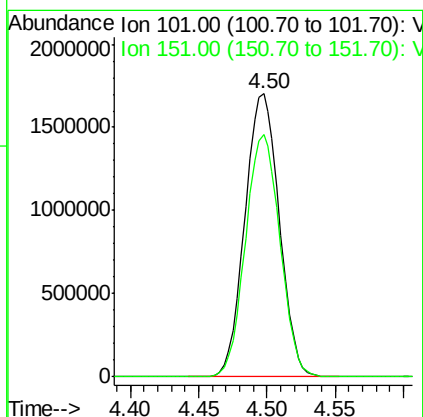
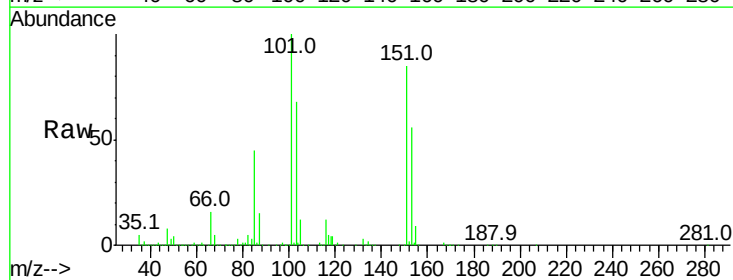
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

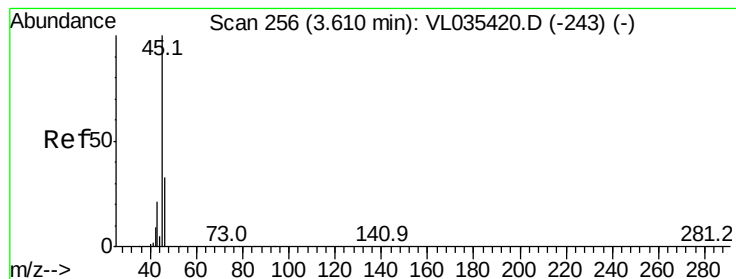
Tgt Ion:101 Resp: 3882494
 Ion Ratio Lower Upper
 101 100
 103 71.1 52.6 78.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 27.232 ppbv
 RT: 4.50 min Scan# 532
 Delta R.T. 0.01 min
 Lab File: VL035426.D
 Acq: 17 Aug 2020 18:05

Tgt Ion:101 Resp: 2985184
 Ion Ratio Lower Upper
 101 100
 151 86.1 53.6 80.4#





#13

Ethanol

Concen: 8.550 ppbv

RT: 3.61 min Scan# 257

Delta R.T. 0.01 min

Lab File: VL035426.D

Acq: 17 Aug 2020 18:05

Instrument :

MSVOA_L

ClientSampleId :

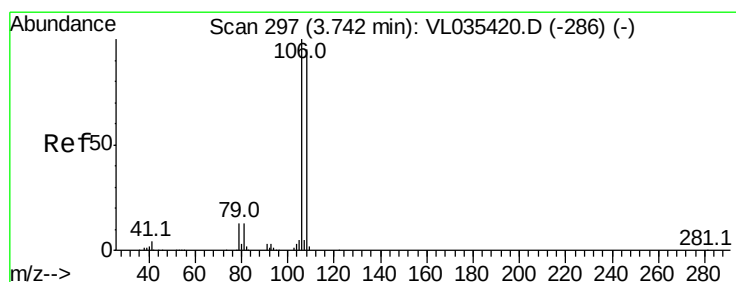
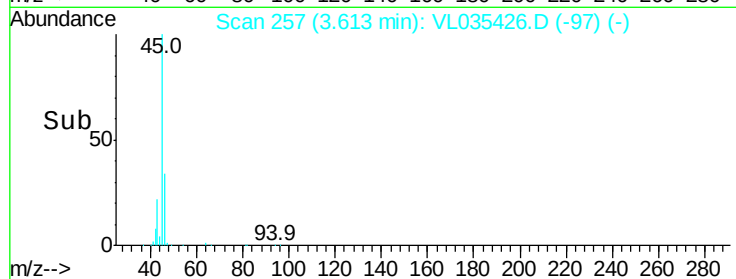
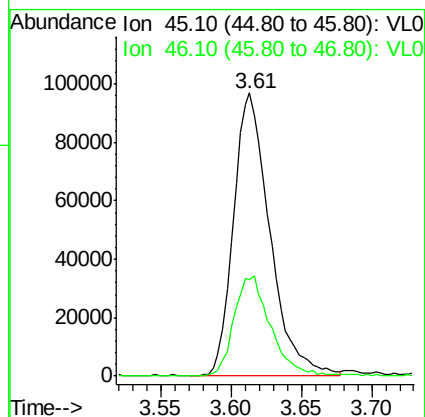
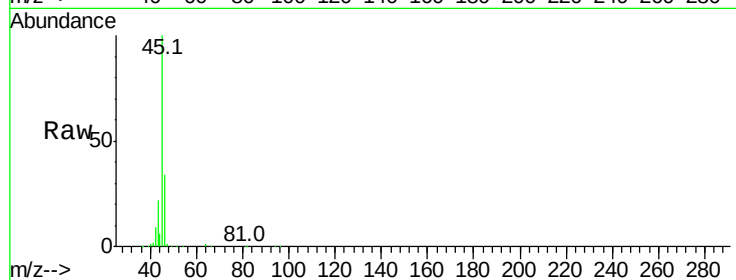
VSTDIC015

Tgt Ion: 45 Resp: 175359

Ion Ratio Lower Upper

45 100

46 35.9 14.2 56.6



#14

Bromoethene

Concen: 28.820 ppbv

RT: 3.75 min Scan# 298

Delta R.T. 0.01 min

Lab File: VL035426.D

Acq: 17 Aug 2020 18:05

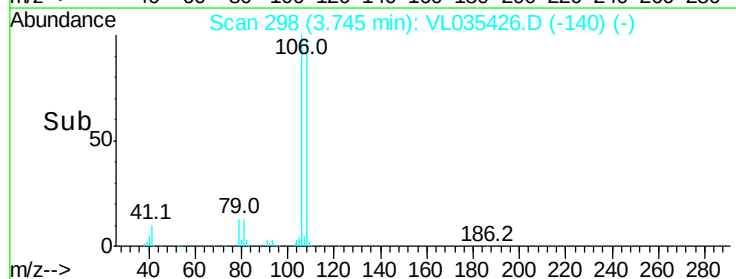
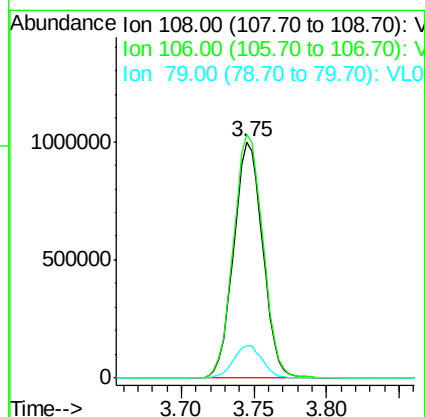
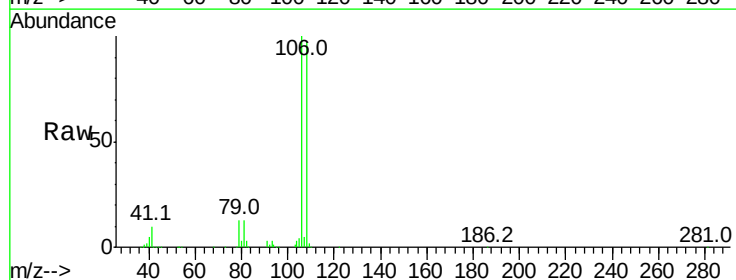
Tgt Ion: 108 Resp: 1386214

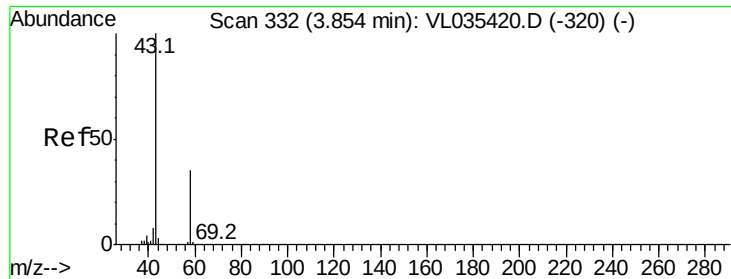
Ion Ratio Lower Upper

108 100

106 105.1 86.7 130.1

79 13.8 16.8 25.2#





#15

Acetone

Concen: 10.491 ppbv

RT: 3.86 min Scan# 333

Delta R.T. 0.01 min

Lab File: VL035426.D

Acq: 17 Aug 2020 18:05

Instrument :

MSVOA_L

ClientSampleId :

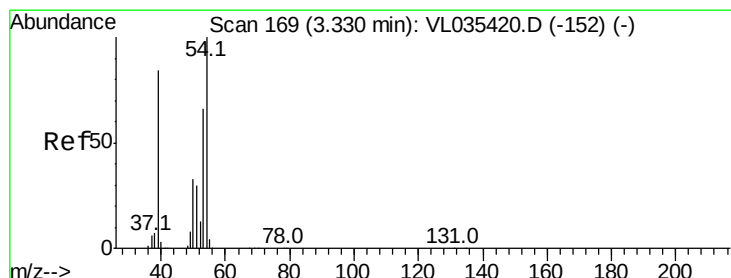
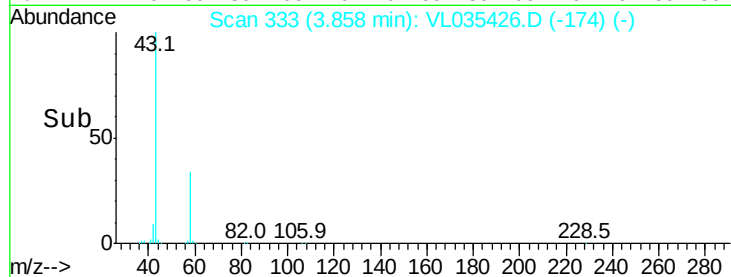
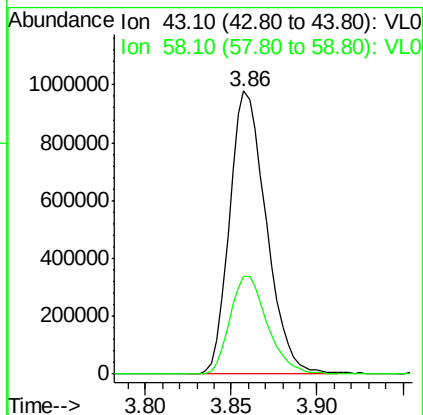
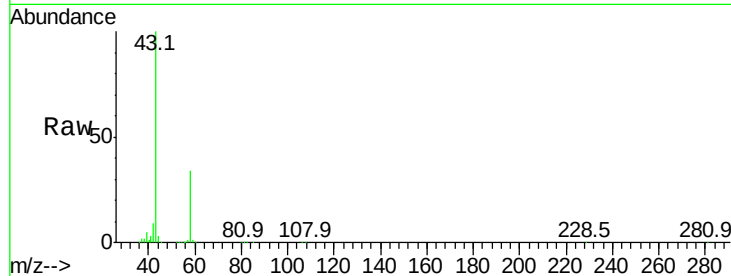
VSTDIC015

Tgt Ion: 43 Resp: 1458211

Ion Ratio Lower Upper

43 100

58 35.4 21.0 31.6#



#16

1,3-Butadiene

Concen: 10.798 ppbv

RT: 3.33 min Scan# 169

Delta R.T. 0.01 min

Lab File: VL035426.D

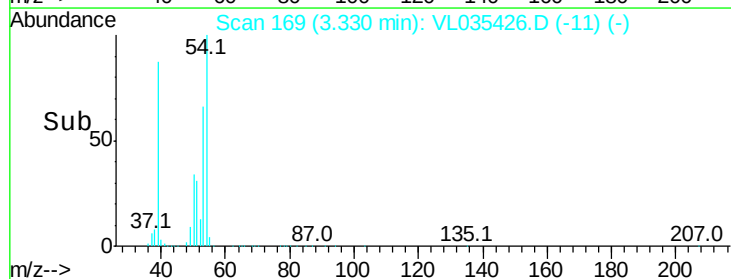
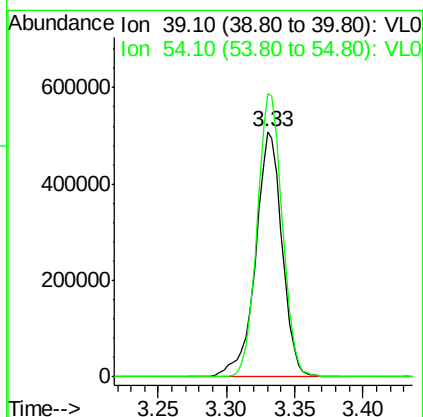
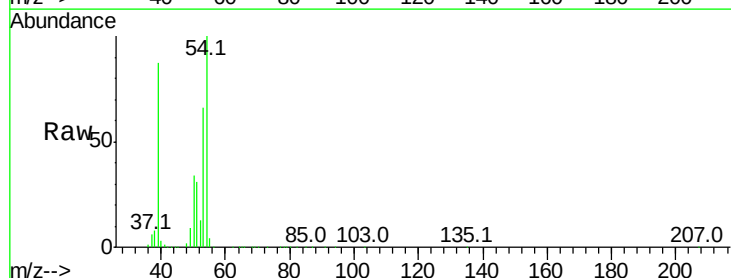
Acq: 17 Aug 2020 18:05

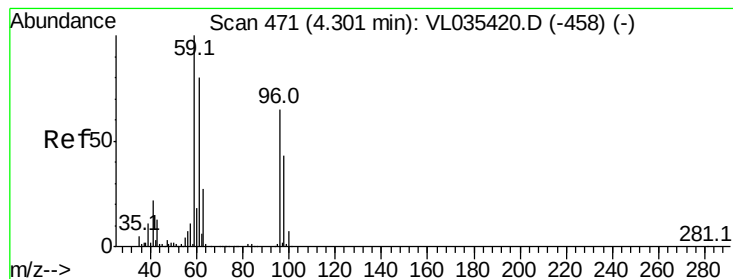
Tgt Ion: 39 Resp: 687527

Ion Ratio Lower Upper

39 100

54 110.1 64.4 96.6#





#17

tert-Butyl alcohol

Concen: 15.709 ppbv

RT: 4.30 min Scan# 472

Delta R.T. 0.01 min

Lab File: VL035426.D

Acq: 17 Aug 2020 18:05

Instrument :

MSVOA_L

ClientSampleId :

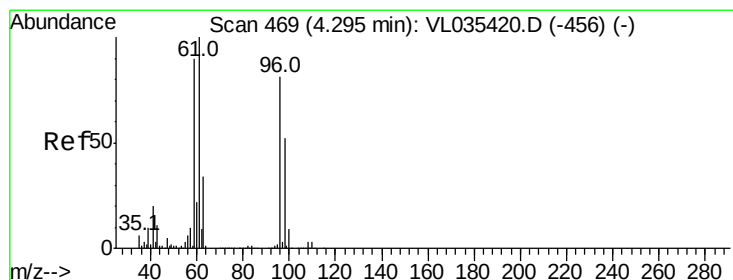
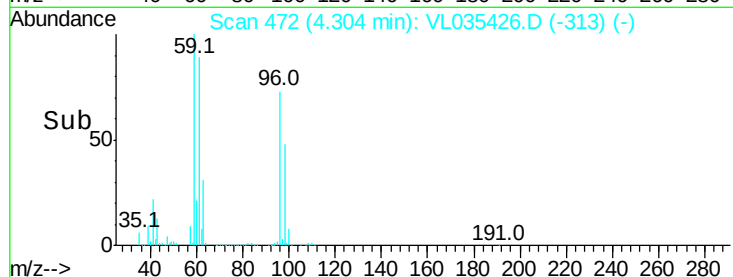
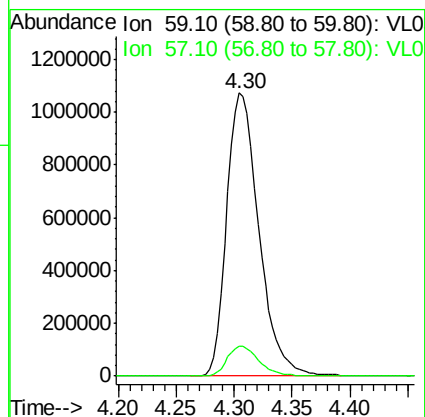
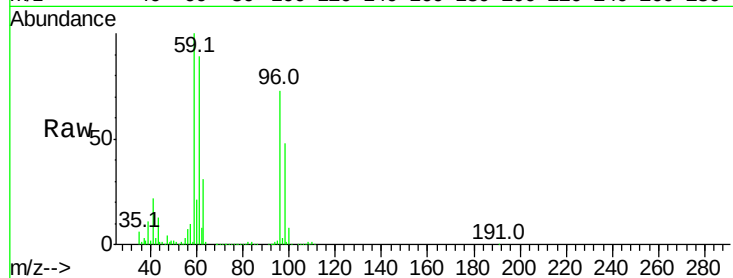
VSTDIC015

Tgt Ion: 59 Resp: 2072392

Ion Ratio Lower Upper

59 100

57 10.4 8.9 13.3



#18

1,1-Dichloroethene

Concen: 28.363 ppbv

RT: 4.30 min Scan# 470

Delta R.T. 0.01 min

Lab File: VL035426.D

Acq: 17 Aug 2020 18:05

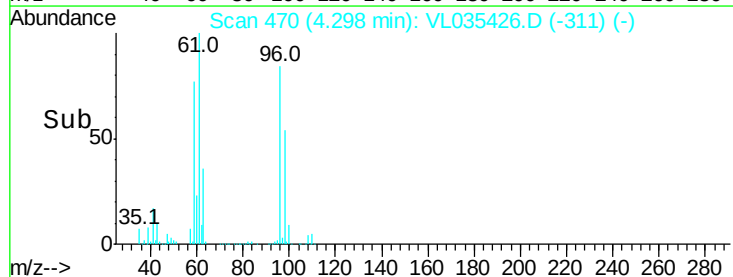
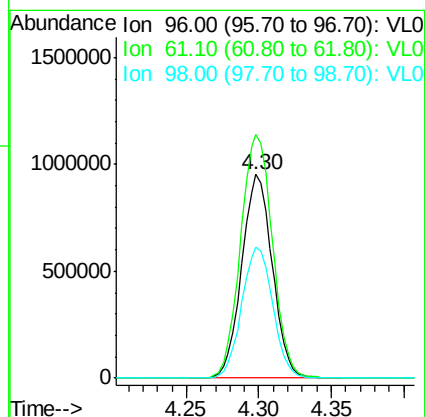
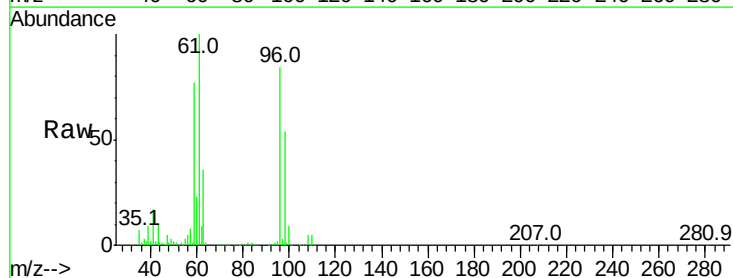
Tgt Ion: 96 Resp: 1397103

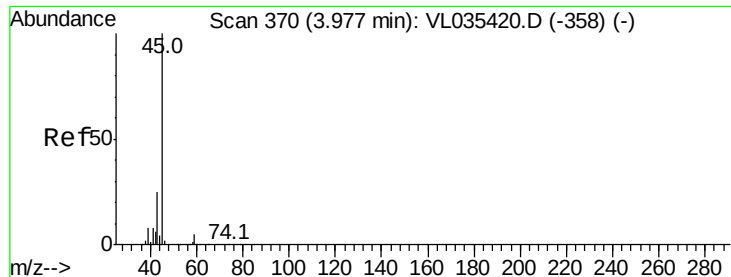
Ion Ratio Lower Upper

96 100

61 119.7 161.8 242.6#

98 64.2 49.3 73.9



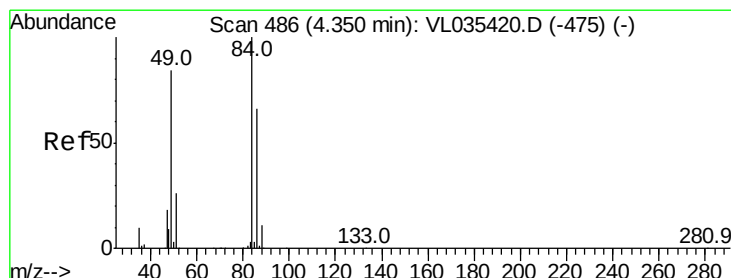
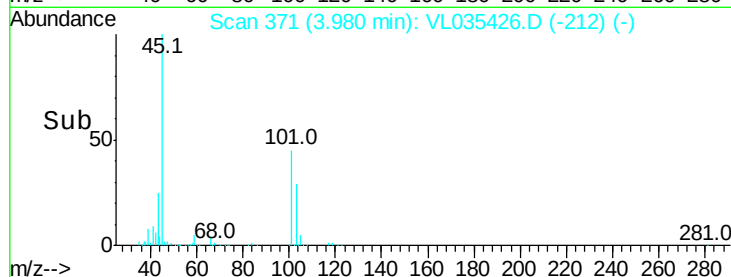
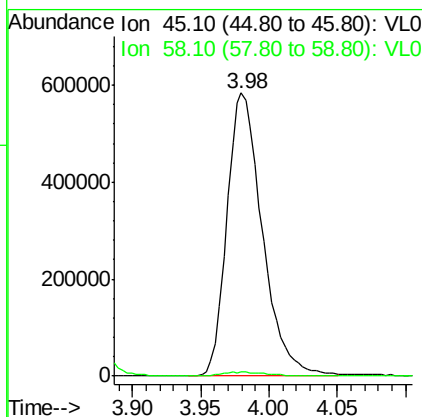
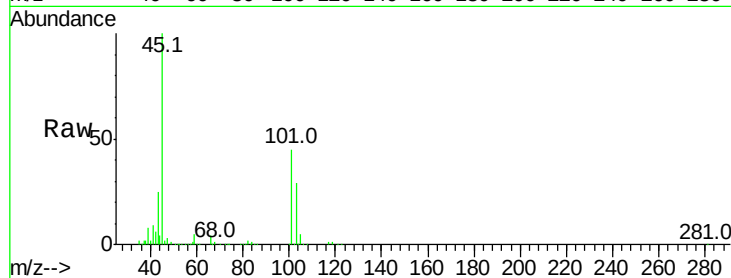


#19

Isopropyl Alcohol
 Concen: 10.717 ppbv
 RT: 3.98 min Scan# 371
 Delta R.T. 0.01 min
 Lab File: VL035426.D
 Acq: 17 Aug 2020 18:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

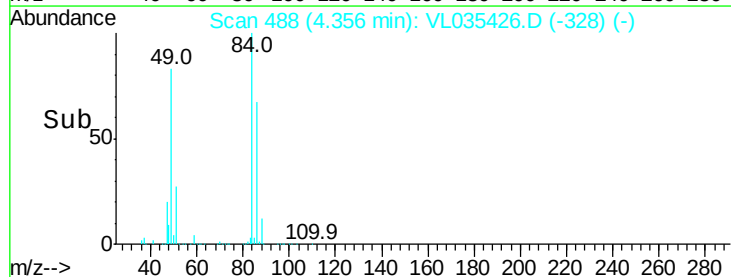
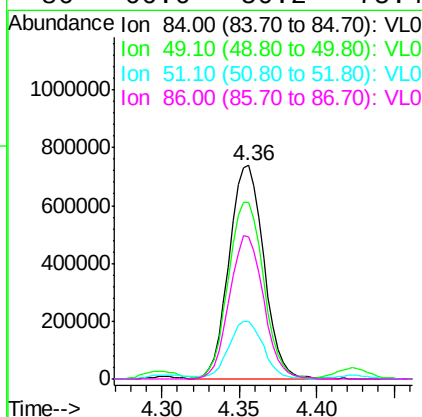
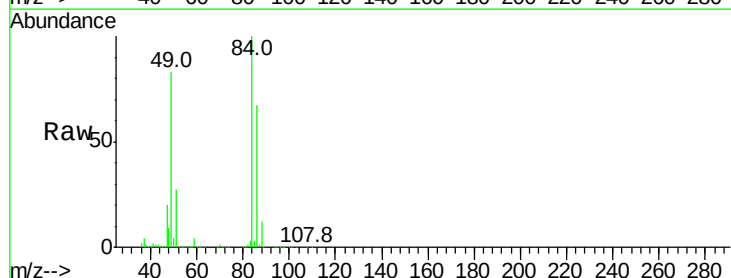
Tgt Ion: 45 Resp: 1050514
 Ion Ratio Lower Upper
 45 100
 58 1.9 1.0 1.6#

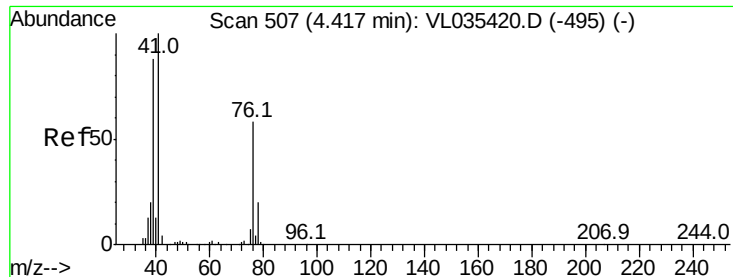


#20

Methylene Chloride
 Concen: 22.183 ppbv
 RT: 4.36 min Scan# 488
 Delta R.T. 0.01 min
 Lab File: VL035426.D
 Acq: 17 Aug 2020 18:05

Tgt Ion: 84 Resp: 1143786
 Ion Ratio Lower Upper
 84 100
 49 82.0 118.6 177.8#
 51 26.0 36.4 54.6#
 86 66.6 50.2 75.4





#21

Allyl Chloride

Concen: 11.218 ppbv

RT: 4.42 min Scan# 509

Delta R.T. 0.01 min

Lab File: VL035426.D

Acq: 17 Aug 2020 18:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

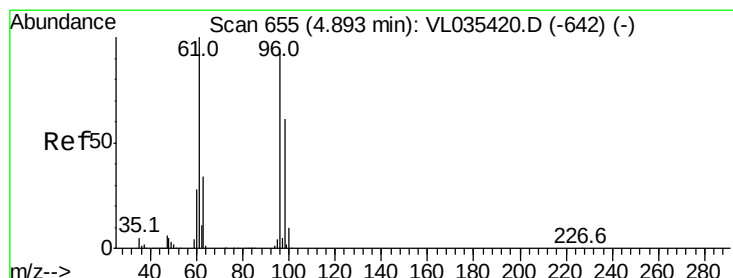
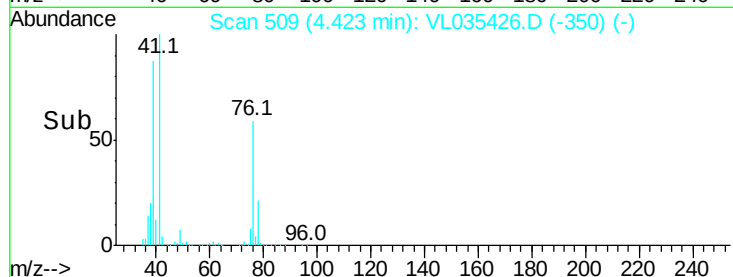
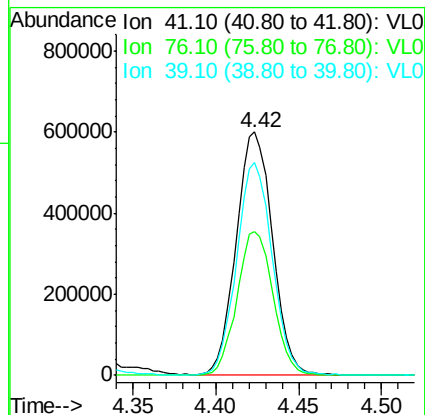
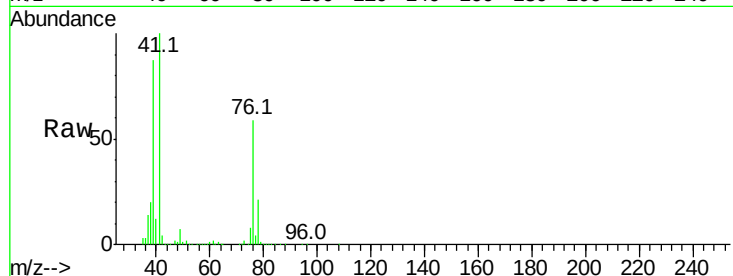
Tgt Ion: 41 Resp: 911144

Ion Ratio Lower Upper

41 100

76 59.0 22.8 34.2#

39 86.4 66.2 99.2



#22

trans-1,2-Dichloroethene

Concen: 30.517 ppbv

RT: 4.90 min Scan# 657

Delta R.T. 0.01 min

Lab File: VL035426.D

Acq: 17 Aug 2020 18:05

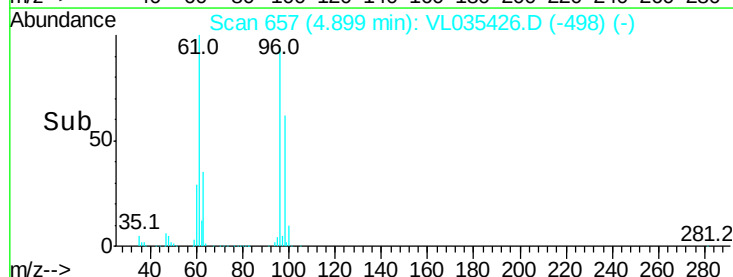
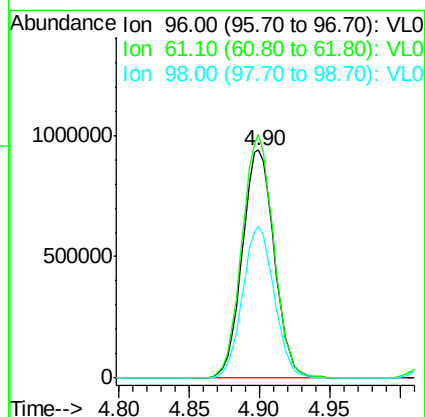
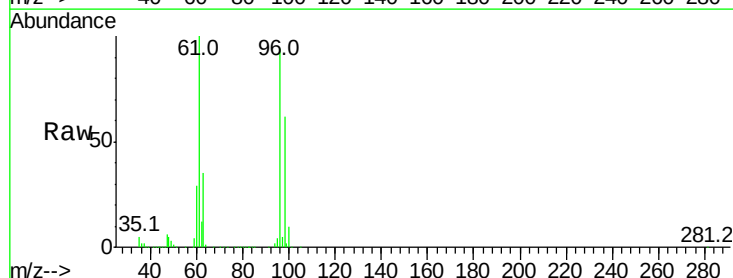
Tgt Ion: 96 Resp: 1497380

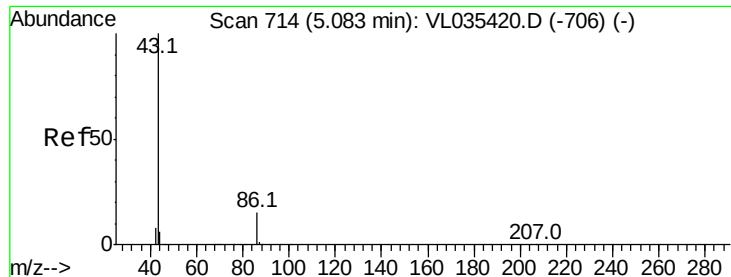
Ion Ratio Lower Upper

96 100

61 106.9 142.2 213.2#

98 66.6 51.8 77.8





#23

Vinyl Acetate

Concen: 12.183 ppbv

RT: 5.09 min Scan# 717

Delta R.T. 0.01 min

Lab File: VL035426.D

Acq: 17 Aug 2020 18:05

Instrument :

MSVOA_L

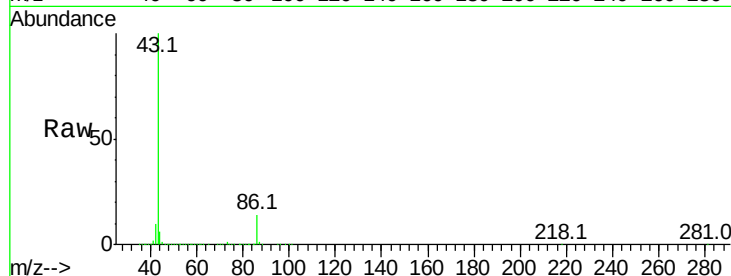
ClientSampleId :

VSTDIC015

Tgt Ion: 43 Resp: 2482099

Ion Ratio Lower Upper

43	100		
86	14.3	6.5	9.7#
42	10.2	8.3	12.5
44	5.8	4.0	6.0

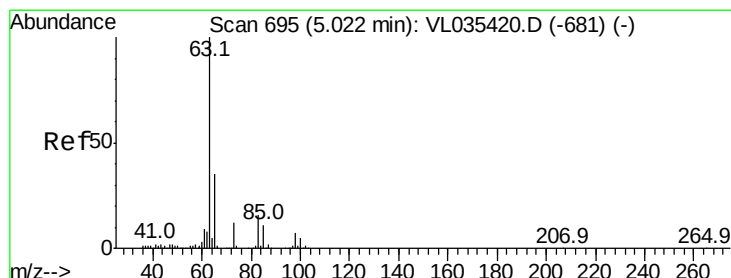
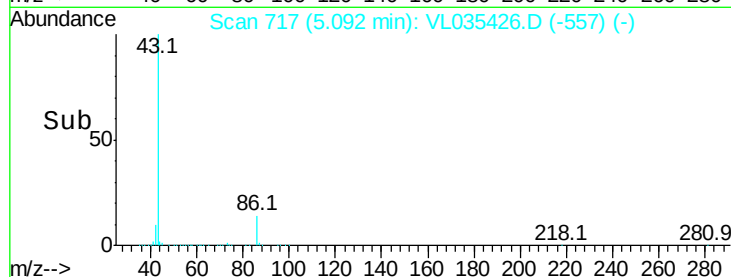
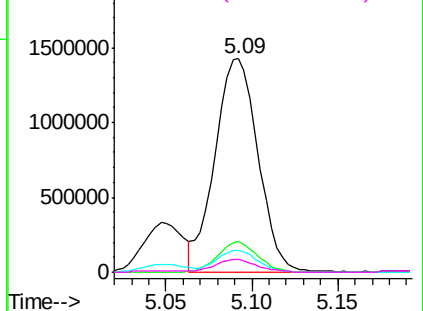


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 15.889 ppbv

RT: 5.03 min Scan# 697

Delta R.T. 0.01 min

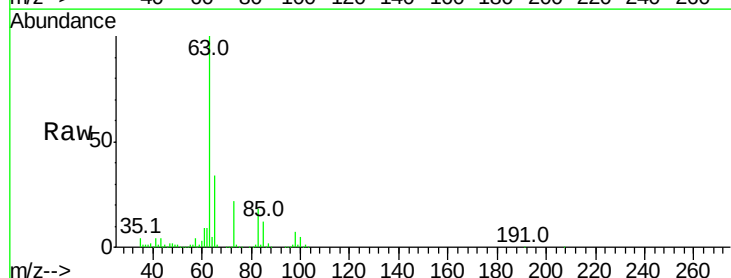
Lab File: VL035426.D

Acq: 17 Aug 2020 18:05

Tgt Ion: 63 Resp: 2307714

Ion Ratio Lower Upper

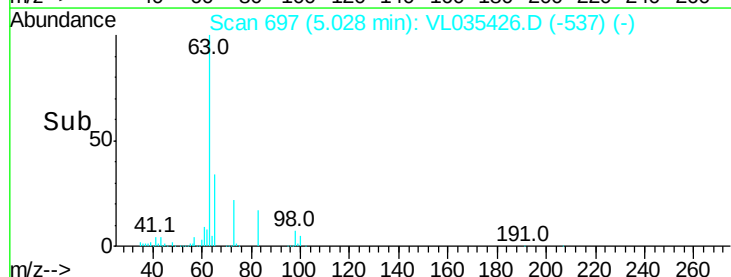
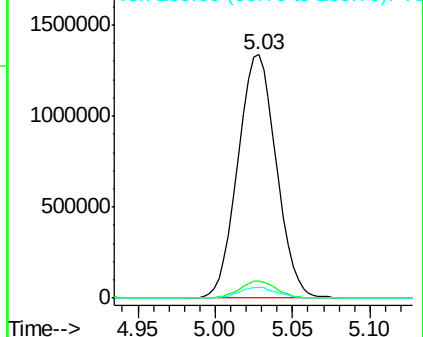
63	100		
98	6.9	2.1	6.5#
100	4.6	1.3	3.8#

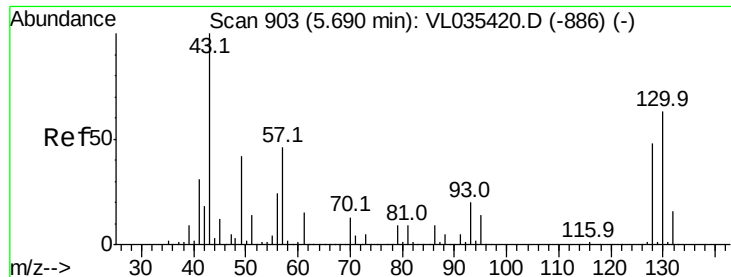


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

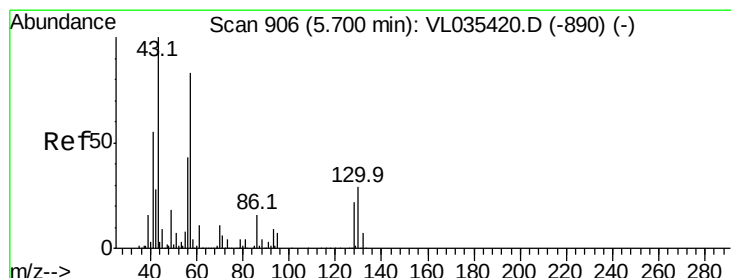
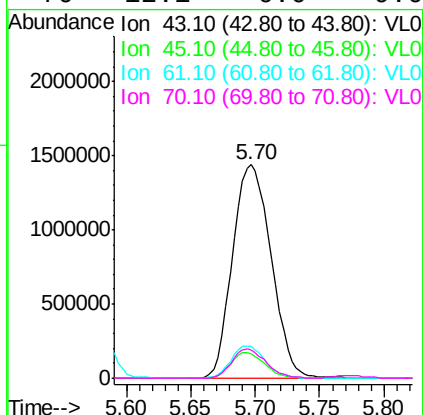
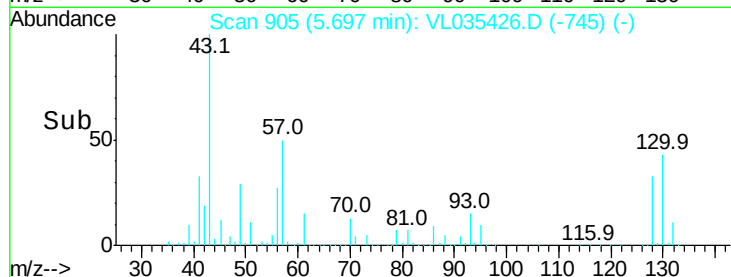
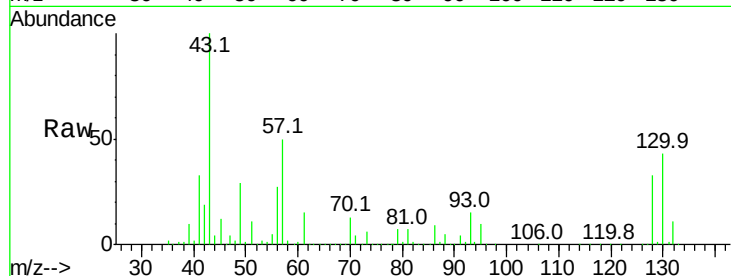




#25
Ethyl Acetate
Concen: 10.764 ppbv
RT: 5.70 min Scan# 905
Delta R.T. 0.01 min
Lab File: VL035426.D
Acq: 17 Aug 2020 18:05

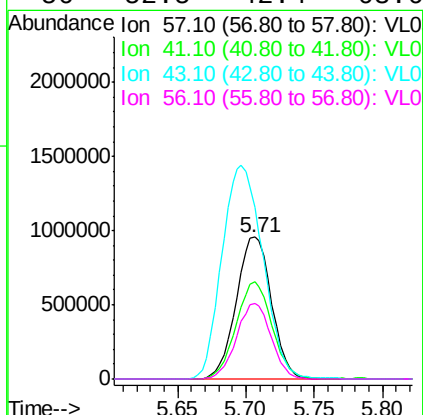
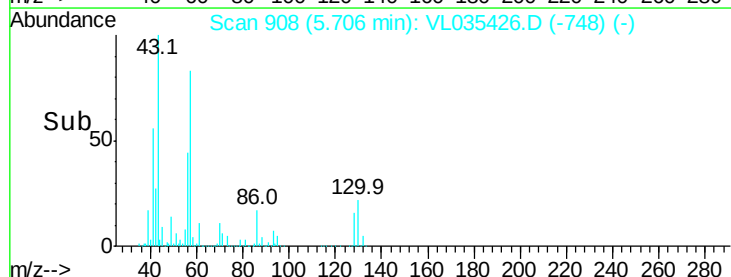
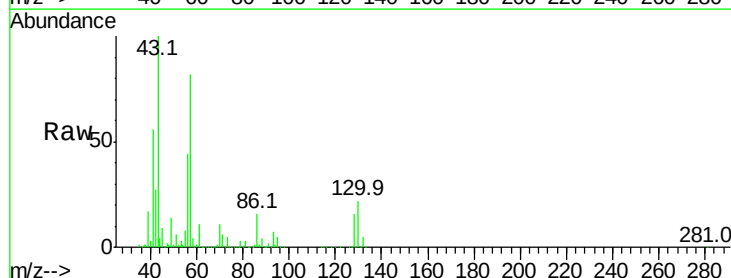
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

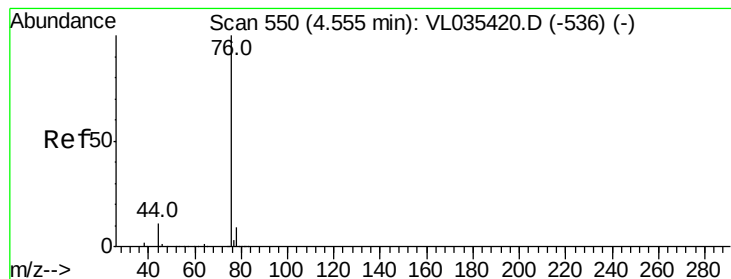
Tgt Ion: 43 Resp: 2996234
Ion Ratio Lower Upper
43 100
45 10.7 8.3 12.5
61 13.5 7.6 11.4#
70 12.1 6.0 9.0#



#26
Hexane
Concen: 14.157 ppbv
RT: 5.71 min Scan# 908
Delta R.T. 0.01 min
Lab File: VL035426.D
Acq: 17 Aug 2020 18:05

Tgt Ion: 57 Resp: 1712115
Ion Ratio Lower Upper
57 100
41 70.5 75.5 113.3#
43 175.7 181.7 272.5#
56 52.5 42.4 63.6





#27

Carbon Disulfide

Concen: 24.443 ppbv

RT: 4.56 min Scan# 552

Delta R.T. 0.01 min

Lab File: VL035426.D

Acq: 17 Aug 2020 18:05

Instrument :

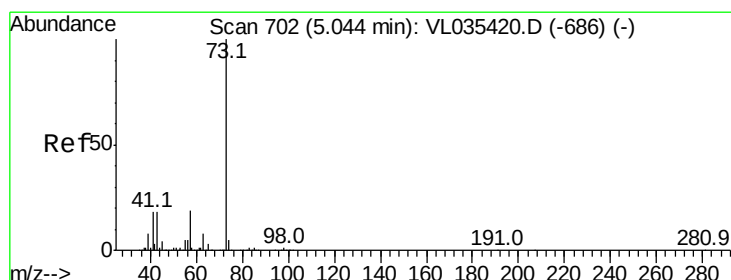
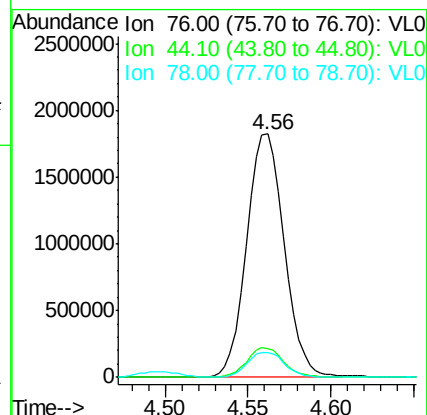
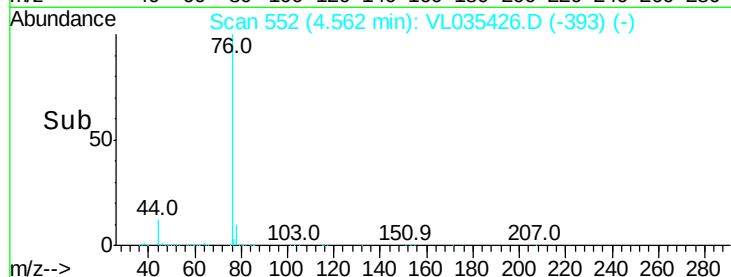
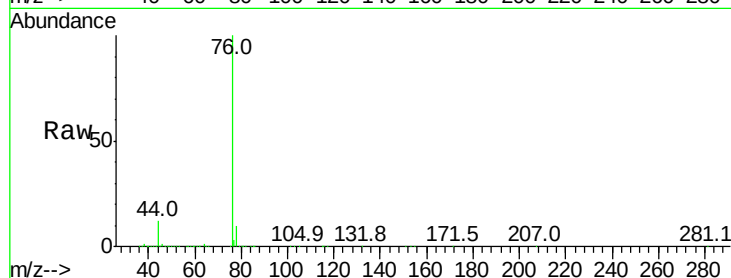
MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 76 Resp: 2878207

Ion	Ratio	Lower	Upper
76	100		
44	12.0	16.8	25.2#
78	10.2	7.3	10.9



#28

Methyl tert-Butyl Ether

Concen: 17.597 ppbv

RT: 5.05 min Scan# 703

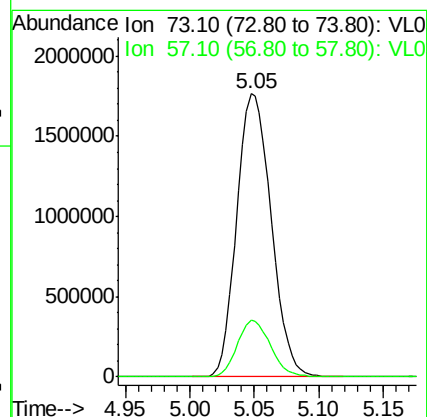
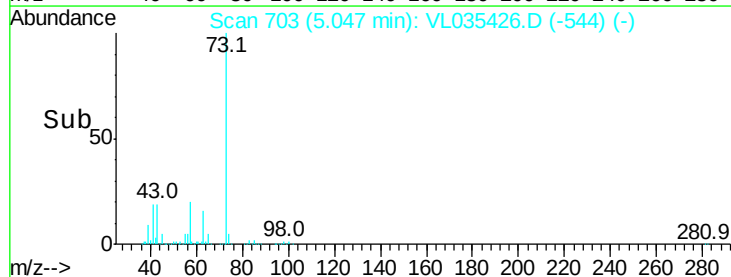
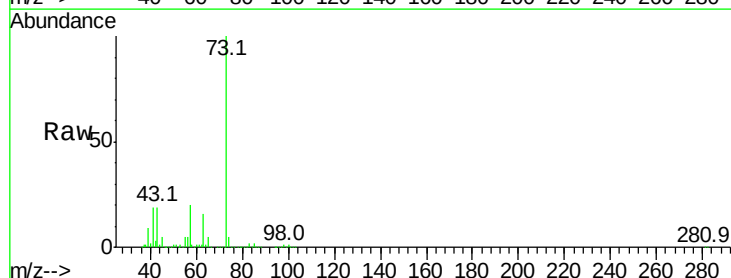
Delta R.T. 0.01 min

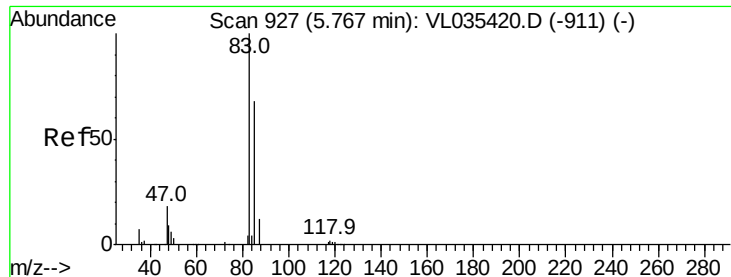
Lab File: VL035426.D

Acq: 17 Aug 2020 18:05

Tgt Ion: 73 Resp: 3284182

Ion	Ratio	Lower	Upper
73	100		
57	19.3	18.3	27.5





#29

Chloroform

Concen: 19.089 ppbv

RT: 5.77 min Scan# 929

Delta R.T. 0.01 min

Lab File: VL035426.D

Acq: 17 Aug 2020 18:05

Instrument :

MSVOA_L

ClientSampleId :

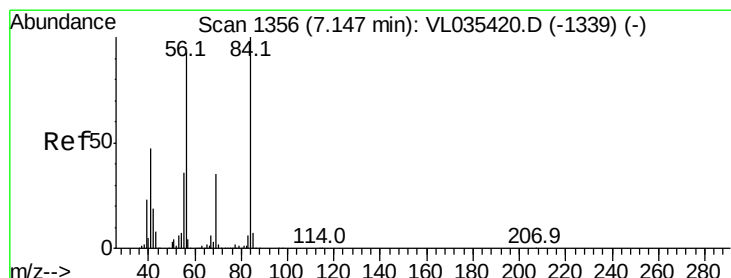
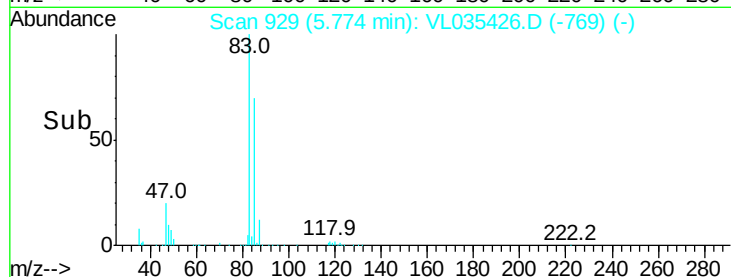
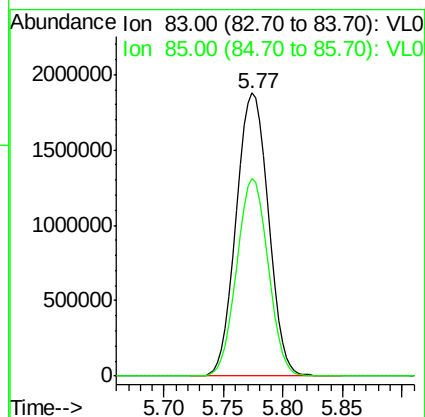
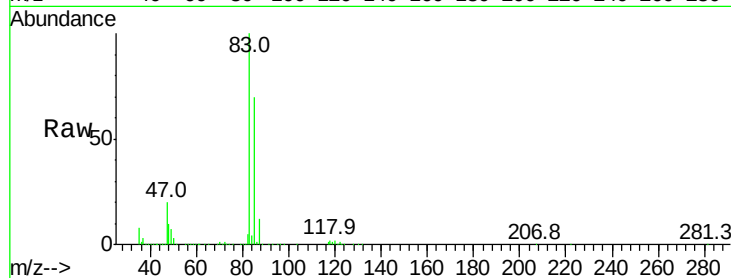
VSTDIC015

Tgt Ion: 83 Resp: 3545539

Ion Ratio Lower Upper

83 100

85 69.9 52.7 79.1



#30

Cyclohexane

Concen: 21.468 ppbv

RT: 7.15 min Scan# 1358

Delta R.T. 0.02 min

Lab File: VL035426.D

Acq: 17 Aug 2020 18:05

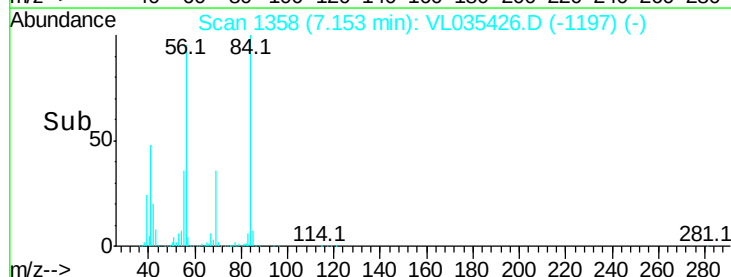
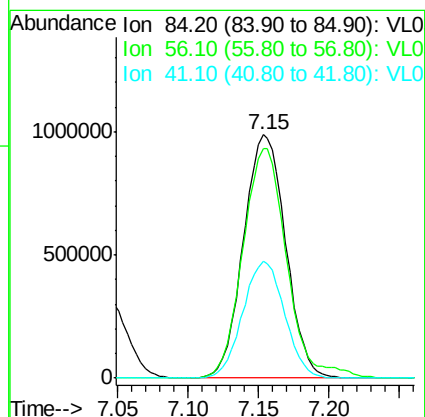
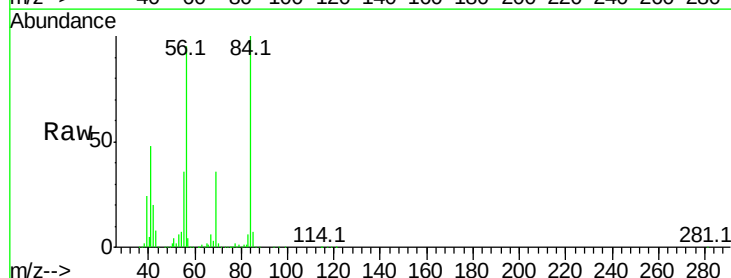
Tgt Ion: 84 Resp: 2061428

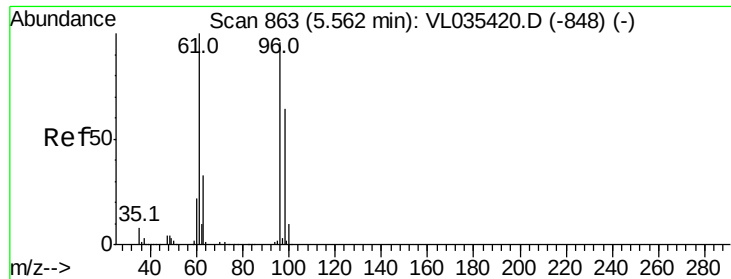
Ion Ratio Lower Upper

84 100

56 98.6 114.9 172.3#

41 47.7 72.3 108.5#



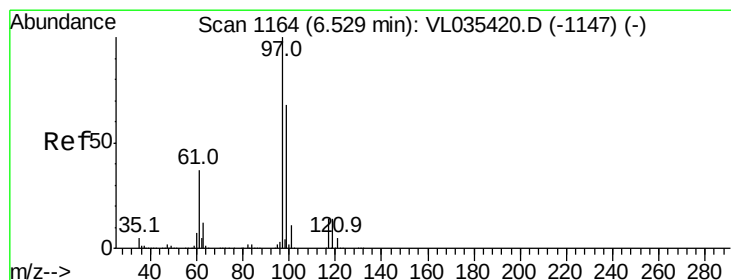
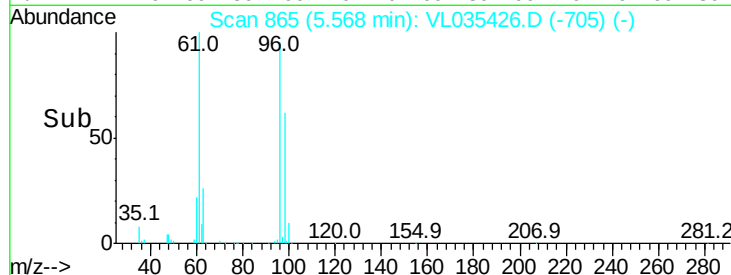
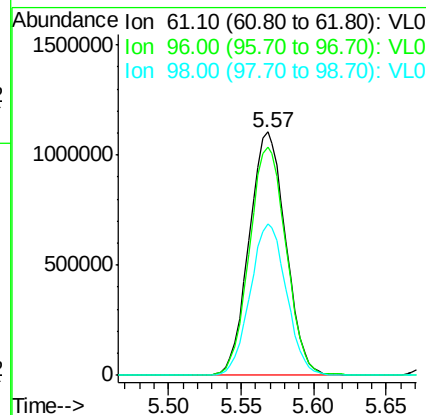
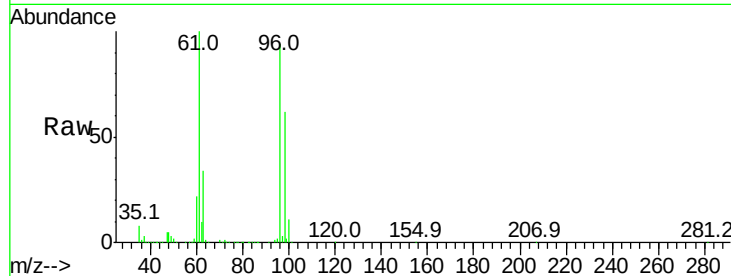


#31

cis-1,2-Dichloroethene
Concen: 15.753 ppbv
RT: 5.57 min Scan# 865
Delta R.T. 0.01 min
Lab File: VL035426.D
Acq: 17 Aug 2020 18:05

Instrument :
MSVOA_L
ClientSampled :
VSTDIC015

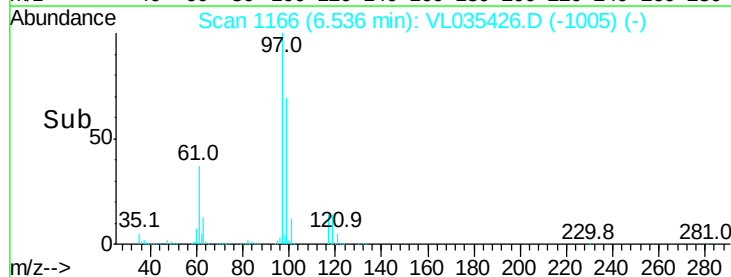
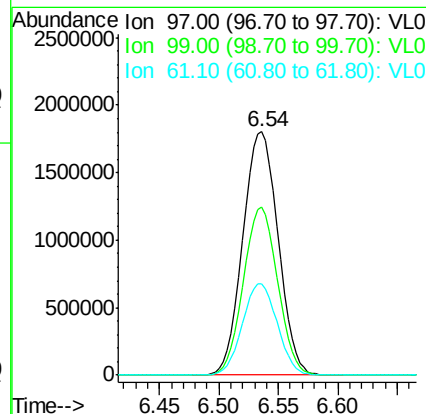
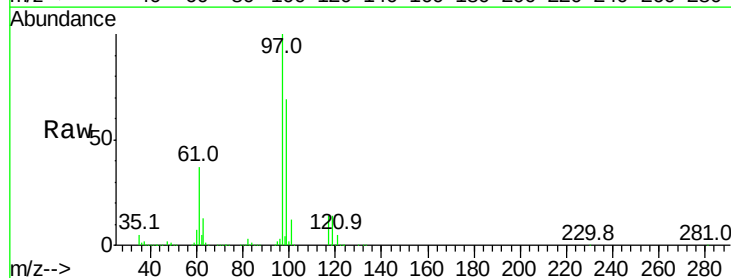
Tgt Ion: 61 Resp: 1940527
Ion Ratio Lower Upper
61 100
96 94.0 51.4 77.0#
98 62.3 32.9 49.3#

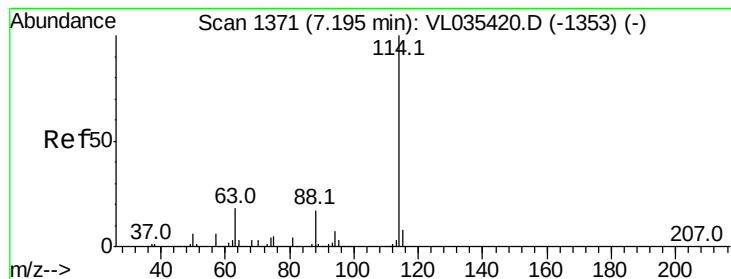


#32

1,1,1-Trichloroethane
Concen: 20.035 ppbv
RT: 6.54 min Scan# 1166
Delta R.T. 0.02 min
Lab File: VL035426.D
Acq: 17 Aug 2020 18:05

Tgt Ion: 97 Resp: 3709982
Ion Ratio Lower Upper
97 100
99 67.0 51.4 77.0
61 37.3 41.0 61.6#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.20 min Scan# 1373

Delta R.T. 0.01 min

Lab File: VL035426.D

Acq: 17 Aug 2020 18:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

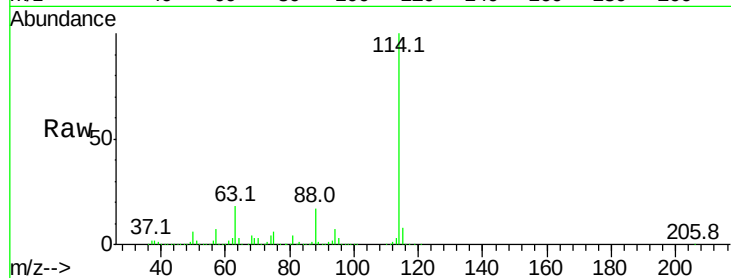
Tgt Ion:114 Resp: 4966334

Ion Ratio Lower Upper

114 100

63 17.8 23.1 34.7#

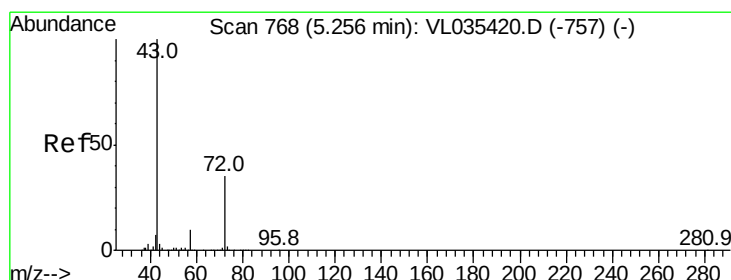
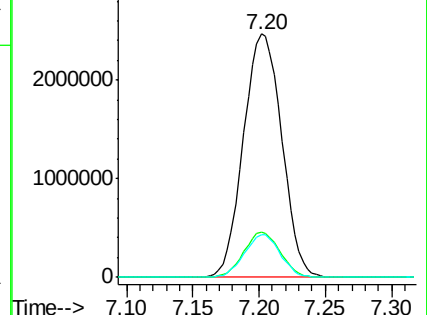
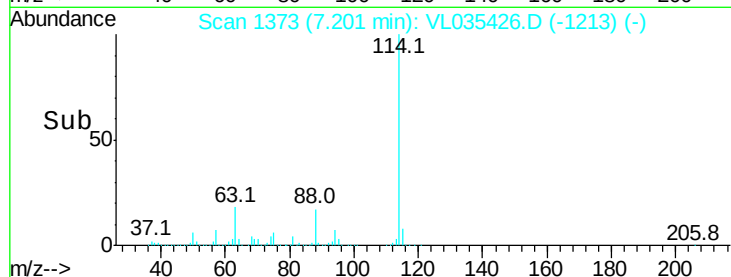
88 16.5 15.9 23.9



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: 5.689 ppbv

RT: 5.26 min Scan# 770

Delta R.T. 0.01 min

Lab File: VL035426.D

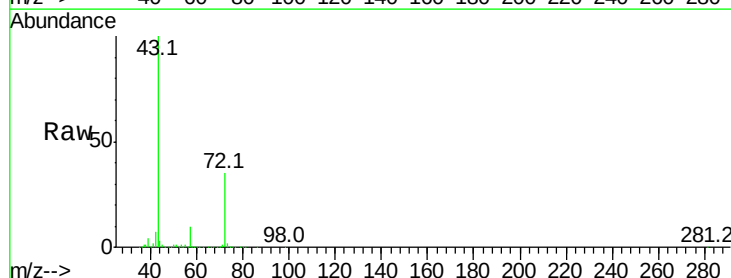
Acq: 17 Aug 2020 18:05

Tgt Ion: 43 Resp: 2178980

Ion Ratio Lower Upper

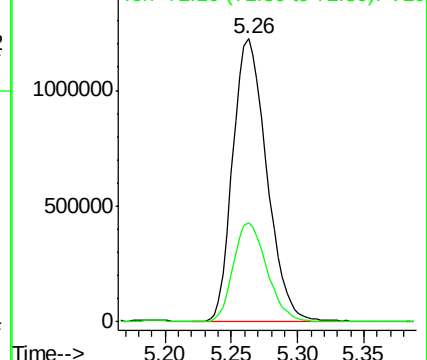
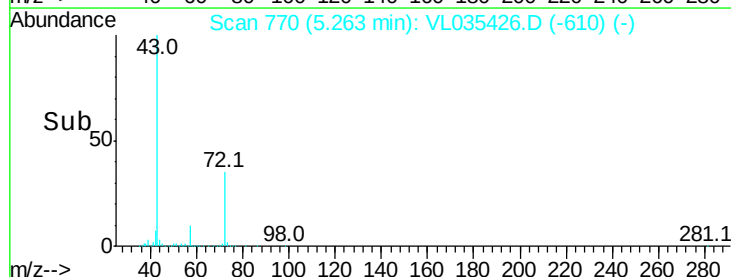
43 100

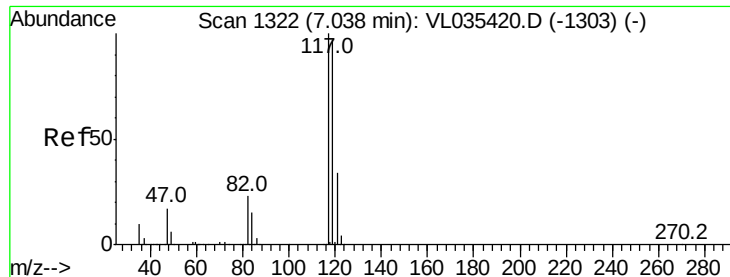
72 34.8 17.6 26.4#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 10.816 ppbv

RT: 7.04 min Scan# 1324

Delta R.T. 0.02 min

Lab File: VL035426.D

Acq: 17 Aug 2020 18:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

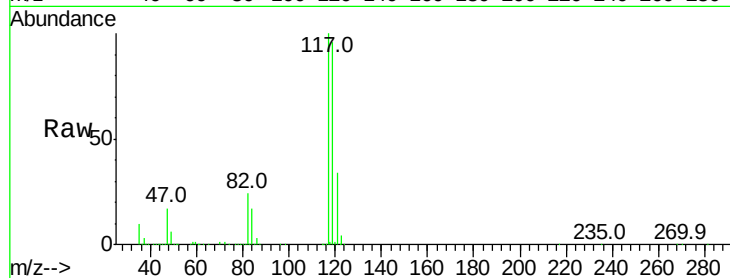
Tgt Ion:117 Resp: 3990670

Ion Ratio Lower Upper

117 100

119 96.1 76.1 114.1

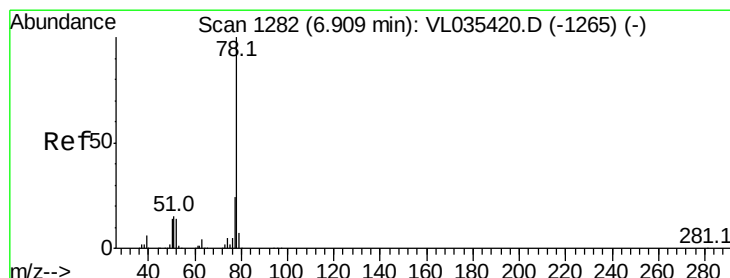
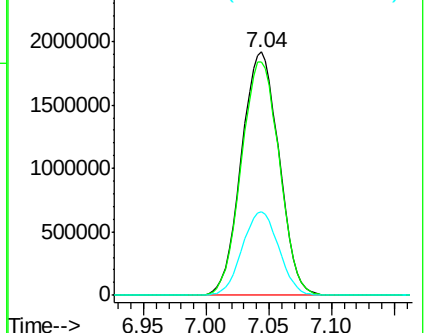
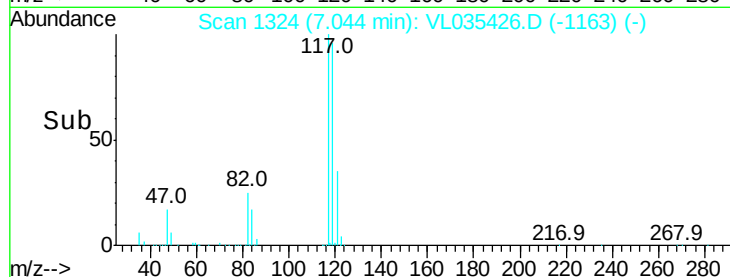
121 34.4 25.5 38.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 9.046 ppbv

RT: 6.92 min Scan# 1284

Delta R.T. 0.01 min

Lab File: VL035426.D

Acq: 17 Aug 2020 18:05

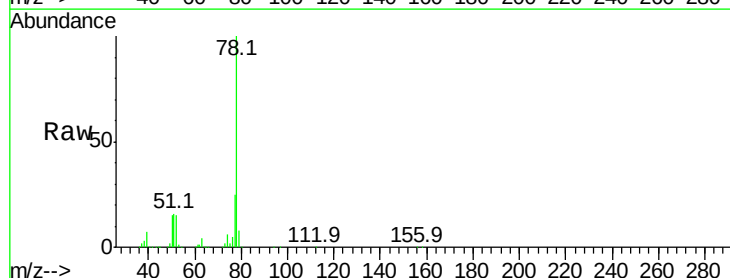
Tgt Ion: 78 Resp: 4559333

Ion Ratio Lower Upper

78 100

77 25.2 19.6 29.4

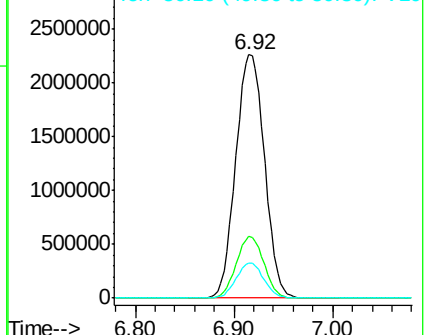
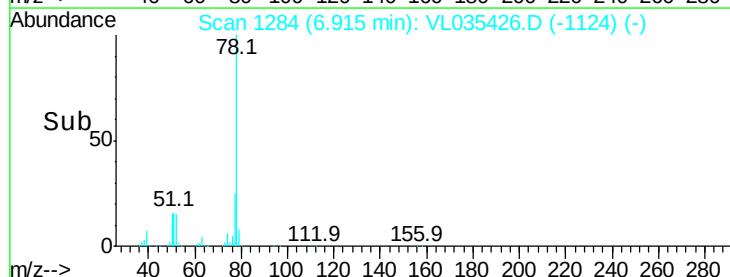
50 14.6 16.3 24.5#

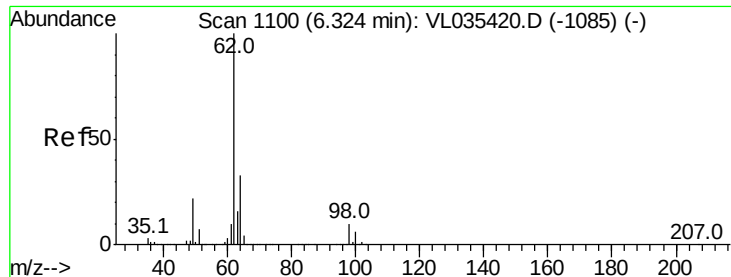


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

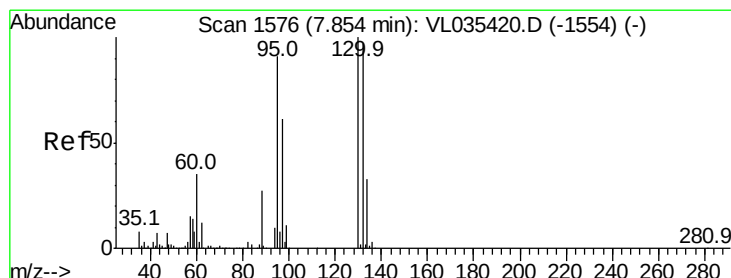
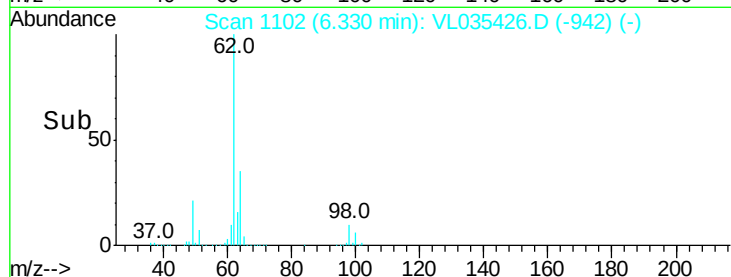
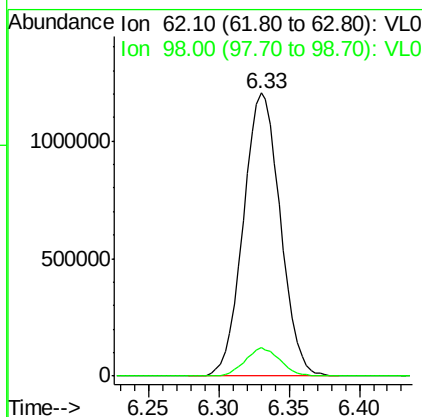
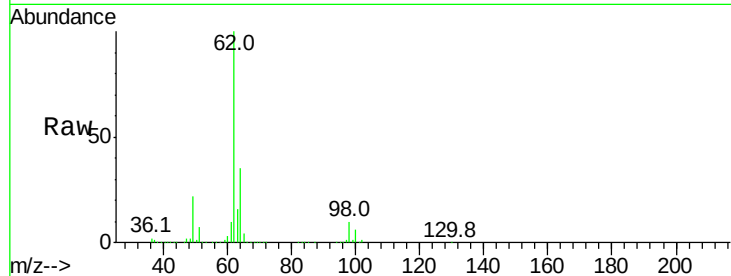




#37
 1,2-Dichloroethane
 Concen: 7.111 ppbv
 RT: 6.33 min Scan# 1102
 Delta R.T. 0.01 min
 Lab File: VL035426.D
 Acq: 17 Aug 2020 18:05

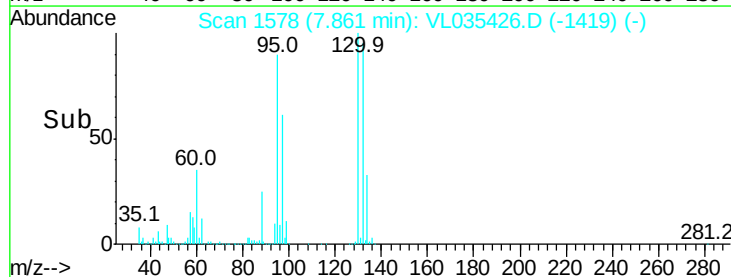
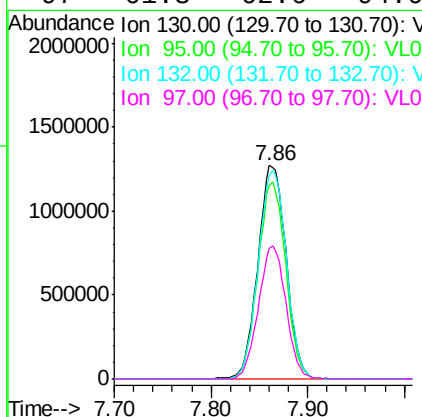
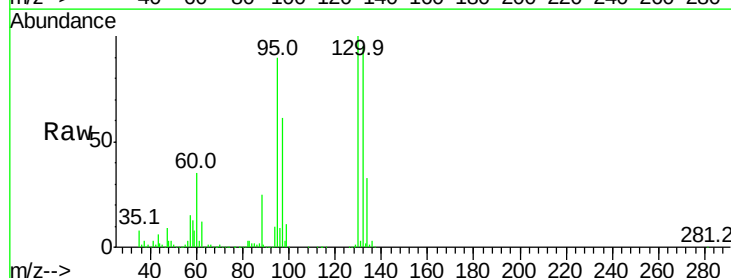
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

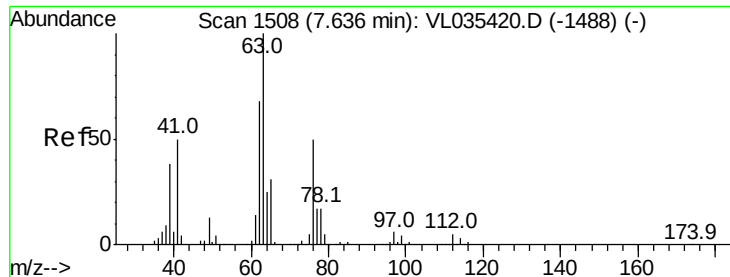
Tgt Ion: 62 Resp: 2210204
 Ion Ratio Lower Upper
 62 100
 98 9.6 4.6 7.0#



#38
 Trichloroethene
 Concen: 13.273 ppbv
 RT: 7.86 min Scan# 1578
 Delta R.T. 0.01 min
 Lab File: VL035426.D
 Acq: 17 Aug 2020 18:05

Tgt Ion: 130 Resp: 2586397
 Ion Ratio Lower Upper
 130 100
 95 90.4 95.8 143.8#
 132 95.2 74.3 111.5
 97 61.3 62.6 94.0#





#39

1,2-Dichloropropane

Concen: 7.728 ppbv

RT: 7.64 min Scan# 1510

Delta R.T. 0.02 min

Lab File: VL035426.D

Acq: 17 Aug 2020 18:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

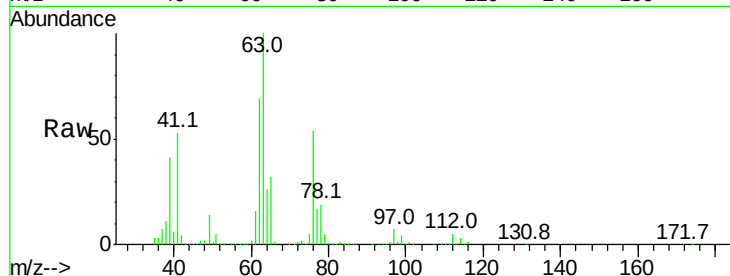
Tgt Ion: 63 Resp: 1569625

Ion Ratio Lower Upper

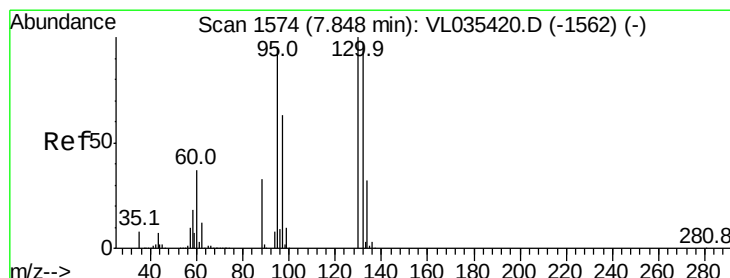
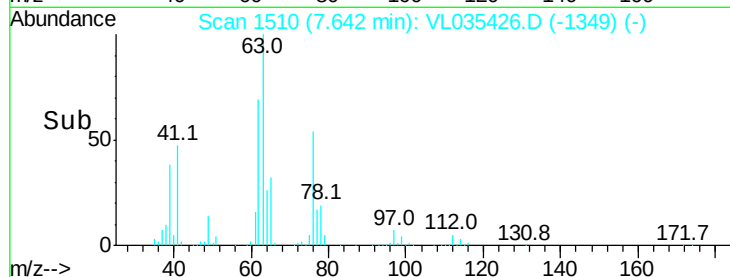
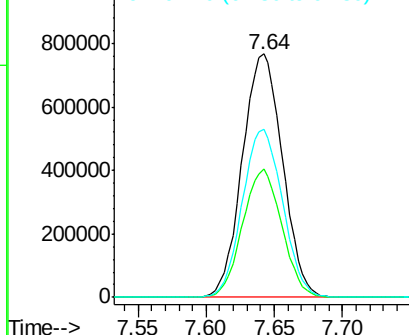
63 100

41 52.9 61.1 91.7#

62 69.2 55.3 82.9



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: 9.782 ppbv

RT: 7.86 min Scan# 1577

Delta R.T. 0.02 min

Lab File: VL035426.D

Acq: 17 Aug 2020 18:05

Tgt Ion: 88 Resp: 768699

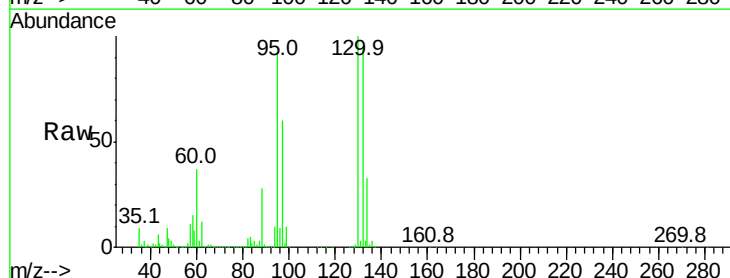
Ion Ratio Lower Upper

88 100

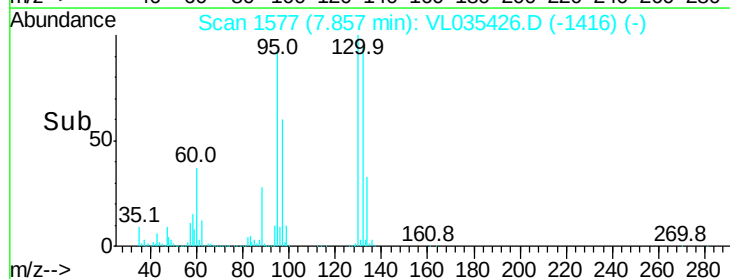
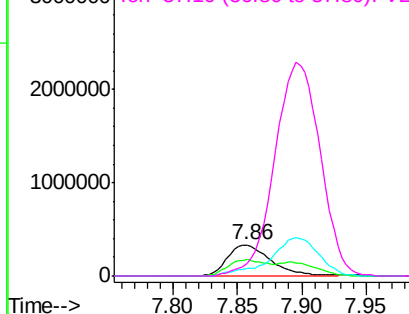
58 89.2 106.6 160.0#

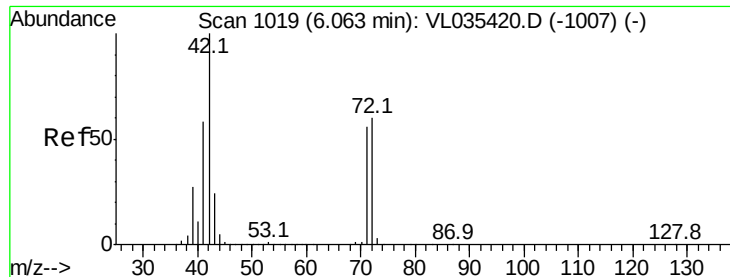
43 140.0 209.7 314.5#

57 733.7 873.3 1309.9#



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: 5.889 ppbv

RT: 6.07 min Scan# 1020

Delta R.T. 0.01 min

Lab File: VL035426.D

Acq: 17 Aug 2020 18:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

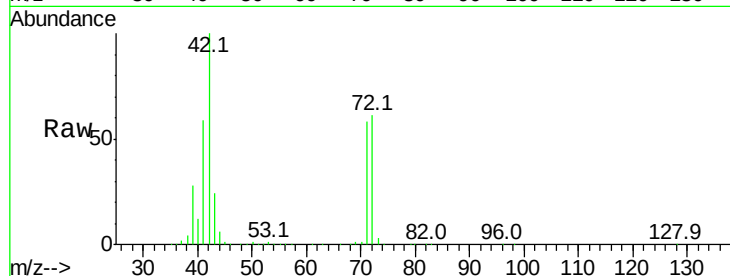
Tgt Ion: 42 Resp: 1268327

Ion Ratio Lower Upper

42 100

72 60.2 29.4 44.2#

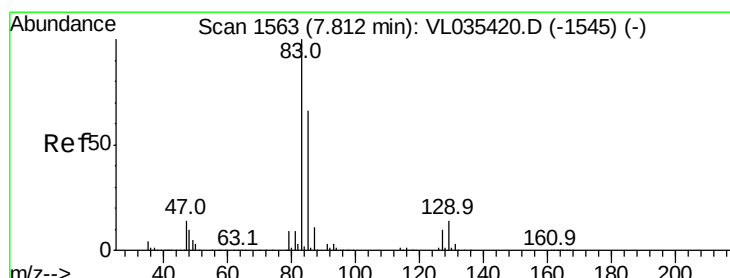
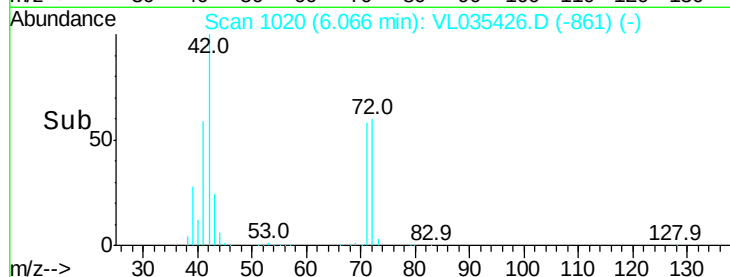
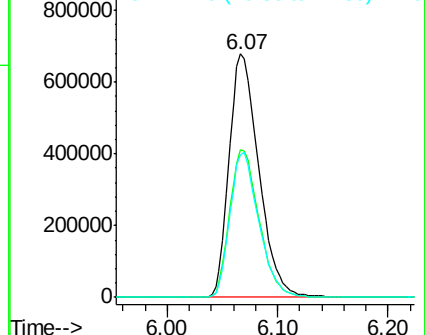
71 58.0 28.9 43.3#



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: 9.597 ppbv

RT: 7.82 min Scan# 1565

Delta R.T. 0.01 min

Lab File: VL035426.D

Acq: 17 Aug 2020 18:05

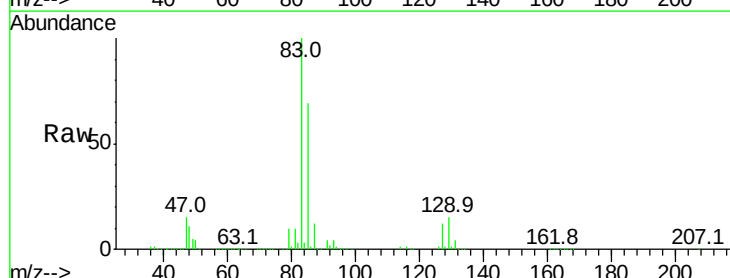
Tgt Ion: 83 Resp: 3814818

Ion Ratio Lower Upper

83 100

85 68.9 54.8 82.2

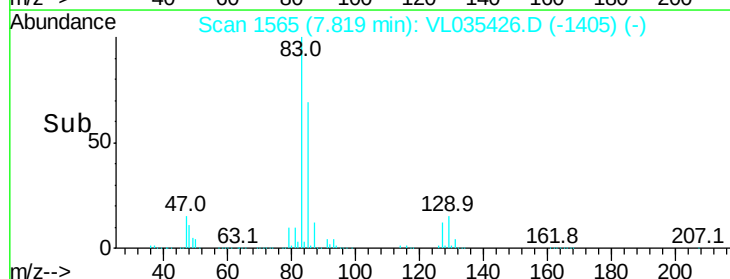
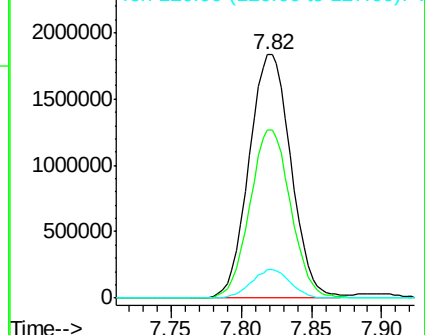
127 11.6 6.1 9.1#

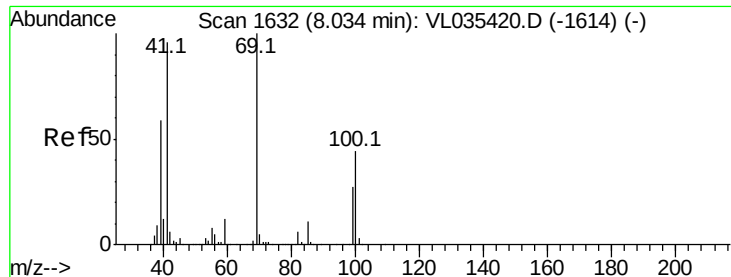


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V





#43

Methyl Methacrylate

Concen: 8.923 ppbv

RT: 8.04 min Scan# 1634

Delta R.T. 0.01 min

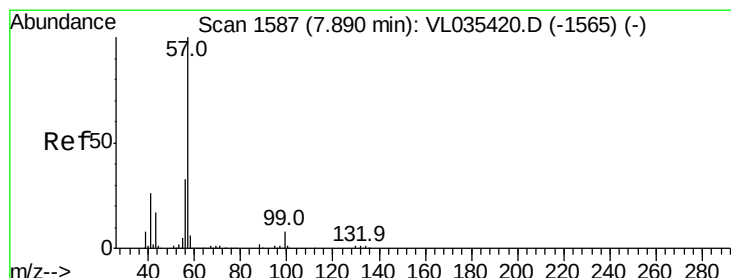
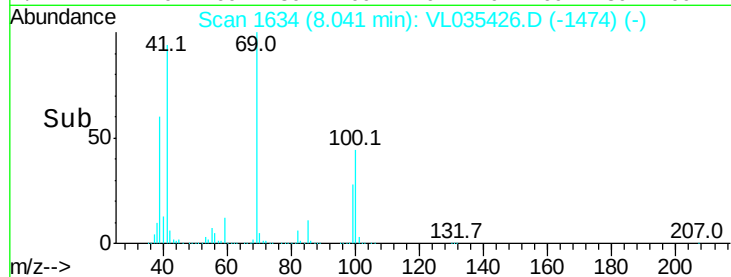
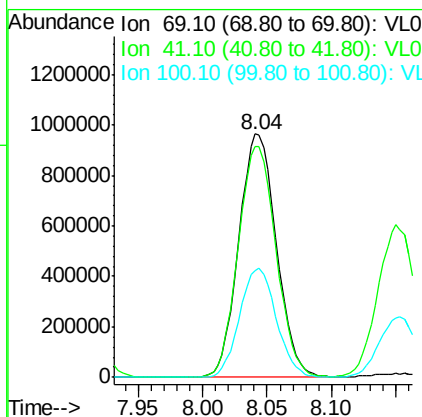
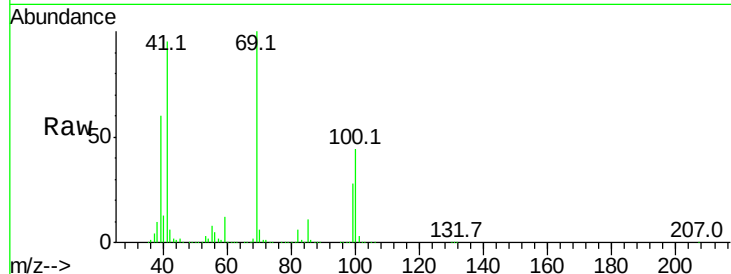
Lab File: VL035426.D

Acq: 17 Aug 2020 18:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 69 Resp: 1957532

Ion	Ratio	Lower	Upper
69	100		
41	95.6	123.4	185.0#
100	44.0	24.2	36.4#



#44

2,2,4-Trimethylpentane

Concen: 6.391 ppbv

RT: 7.90 min Scan# 1589

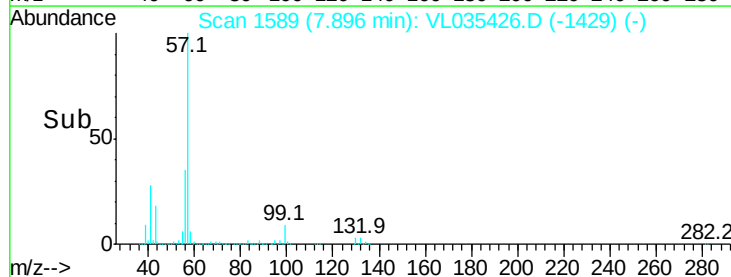
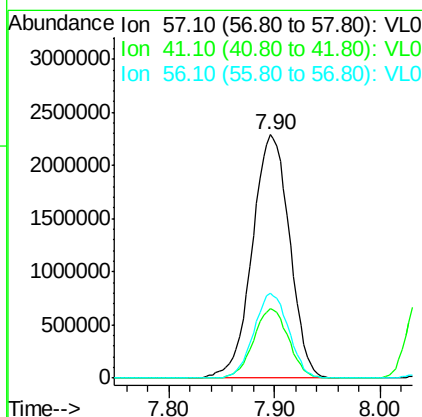
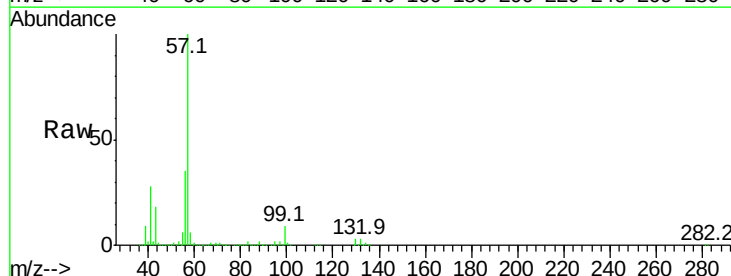
Delta R.T. 0.01 min

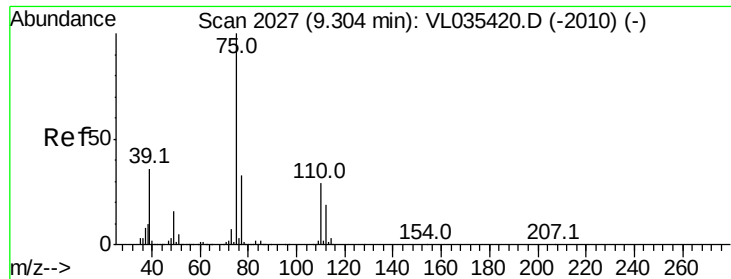
Lab File: VL035426.D

Acq: 17 Aug 2020 18:05

Tgt Ion: 57 Resp: 5630248

Ion	Ratio	Lower	Upper
57	100		
41	26.7	27.2	40.8#
56	32.7	25.4	38.0

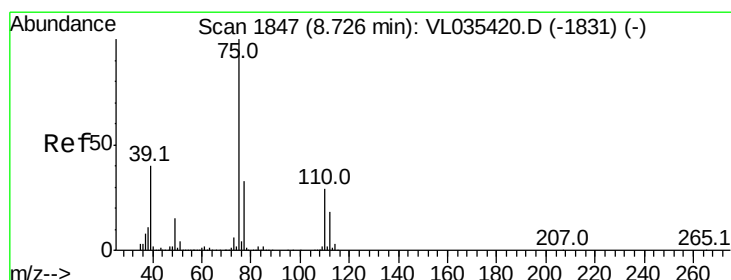
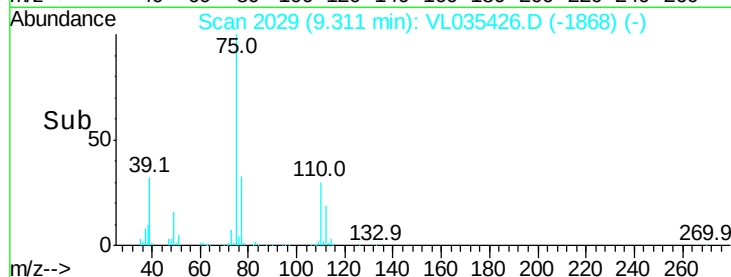
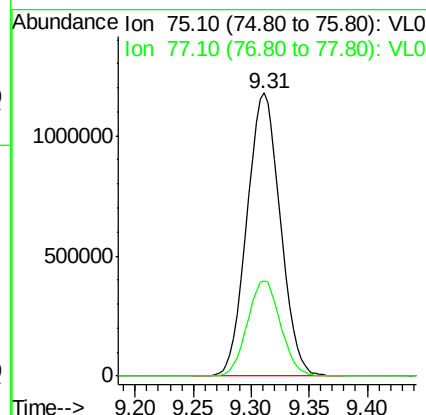
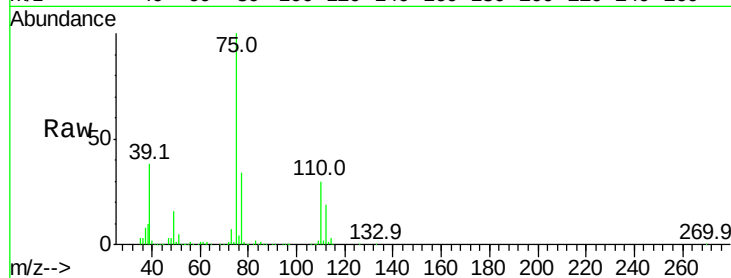




#45
 t-1,3-Dichloropropene
 Concen: 10.250 ppbv
 RT: 9.31 min Scan# 2029
 Delta R.T. 0.02 min
 Lab File: VL035426.D
 Acq: 17 Aug 2020 18:05

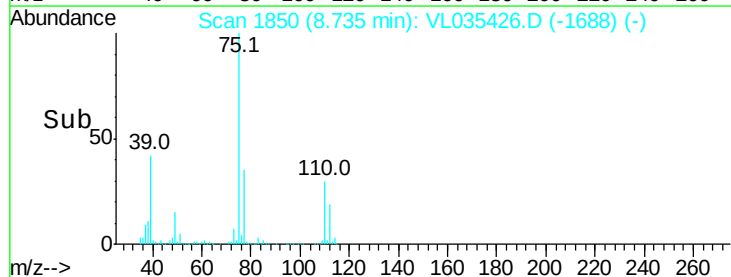
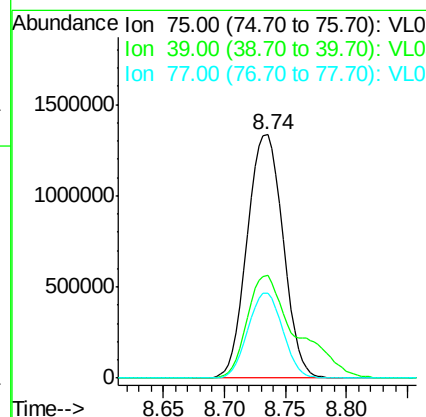
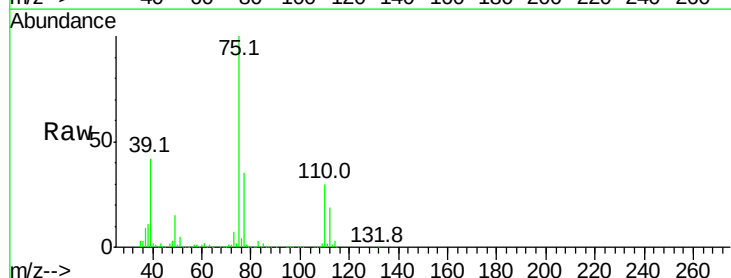
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

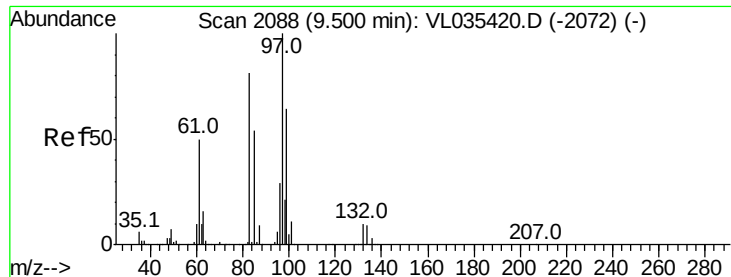
Tgt Ion: 75 Resp: 2362616
 Ion Ratio Lower Upper
 75 100
 77 33.5 25.0 37.6



#46
 cis-1,3-Dichloropropene
 Concen: 9.736 ppbv
 RT: 8.74 min Scan# 1850
 Delta R.T. 0.02 min
 Lab File: VL035426.D
 Acq: 17 Aug 2020 18:05

Tgt Ion: 75 Resp: 2717209
 Ion Ratio Lower Upper
 75 100
 39 42.5 55.8 83.6#
 77 34.8 25.6 38.4





#47

1,1,2-Trichloroethane

Concen: 11.461 ppbv

RT: 9.51 min Scan# 2091

Delta R.T. 0.02 min

Lab File: VL035426.D

Acq: 17 Aug 2020 18:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 97 Resp: 2341040

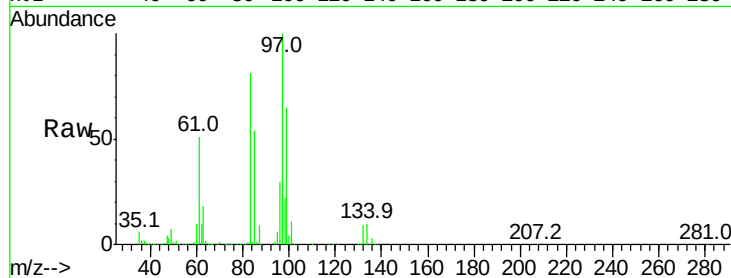
Ion Ratio Lower Upper

97 100

83 81.2 72.1 108.1

85 53.6 46.8 70.2

99 64.9 48.6 73.0

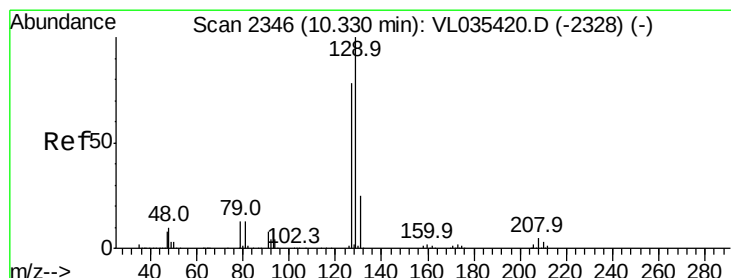
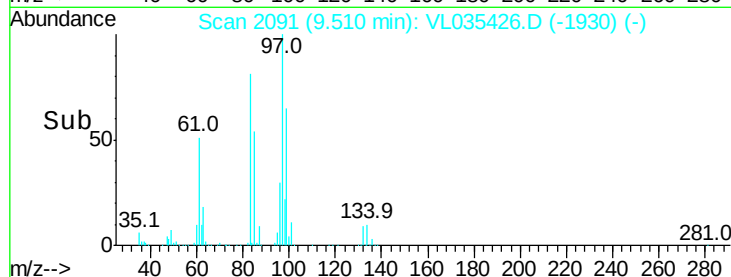
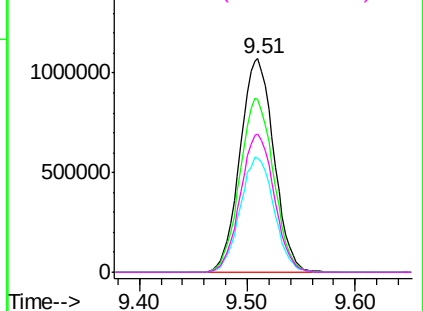


Abundance Ion 97.00 (96.70 to 97.70): VL0

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: 14.594 ppbv

RT: 10.34 min Scan# 2349

Delta R.T. 0.02 min

Lab File: VL035426.D

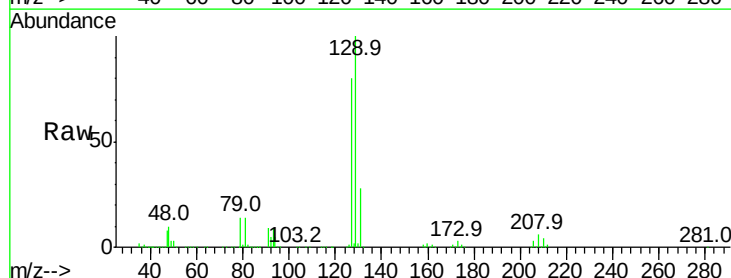
Acq: 17 Aug 2020 18:05

Tgt Ion: 129 Resp: 4341319

Ion Ratio Lower Upper

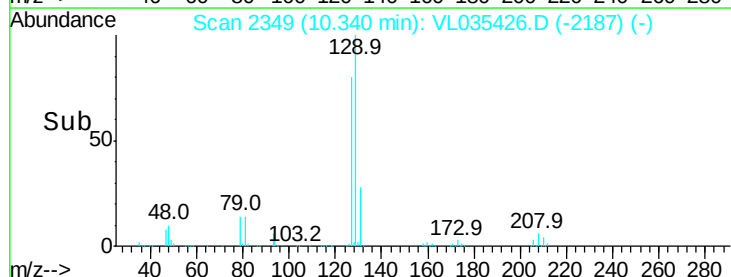
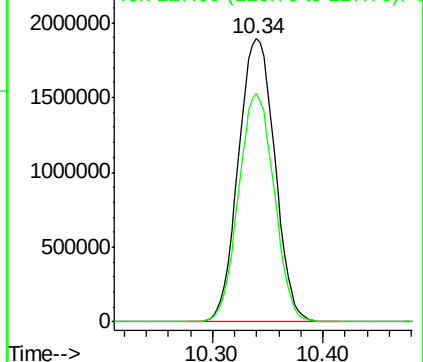
129 100

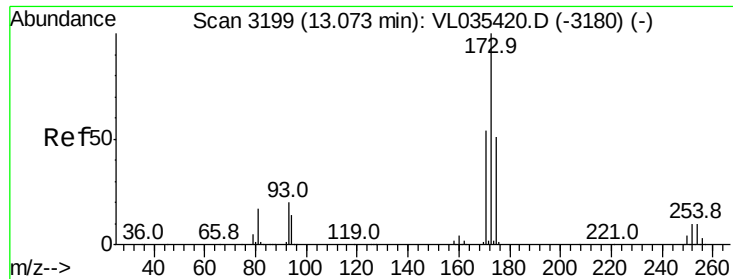
127 79.0 39.5 118.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 18.746 ppbv

RT: 13.08 min Scan# 3202

Delta R.T. 0.02 min

Lab File: VL035426.D

Acq: 17 Aug 2020 18:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

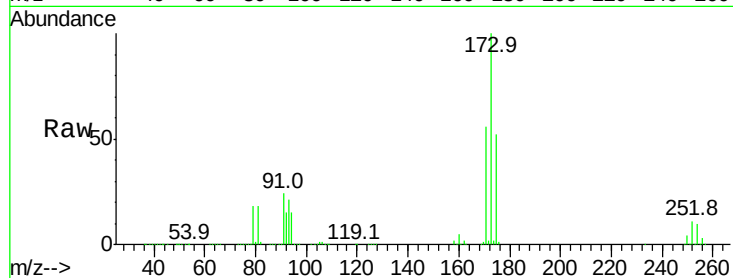
Tgt Ion:173 Resp: 4383704

Ion Ratio Lower Upper

173 100

175 51.6 39.8 59.8

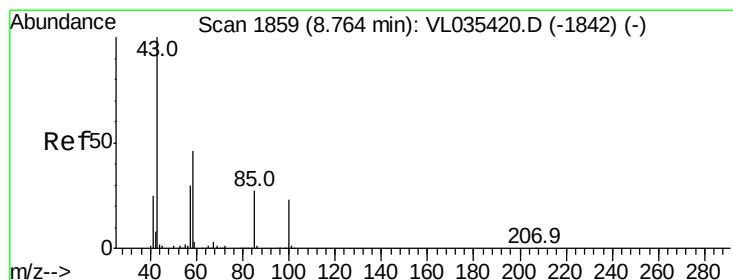
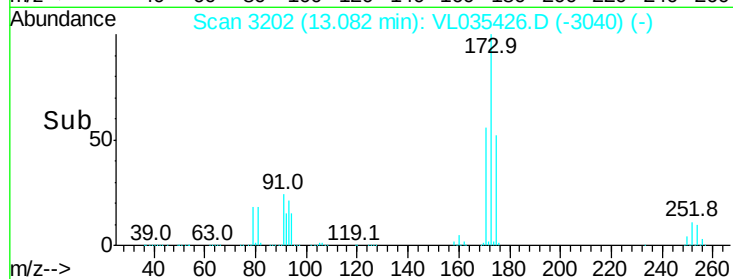
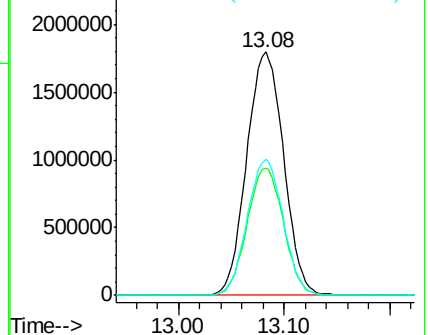
171 54.5 42.4 63.6



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: 5.640 ppbv

RT: 8.77 min Scan# 1861

Delta R.T. 0.02 min

Lab File: VL035426.D

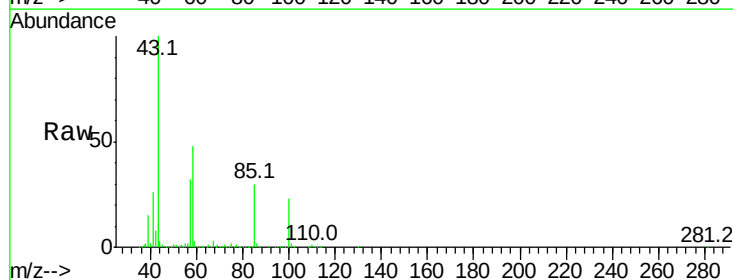
Acq: 17 Aug 2020 18:05

Tgt Ion: 43 Resp: 3125010

Ion Ratio Lower Upper

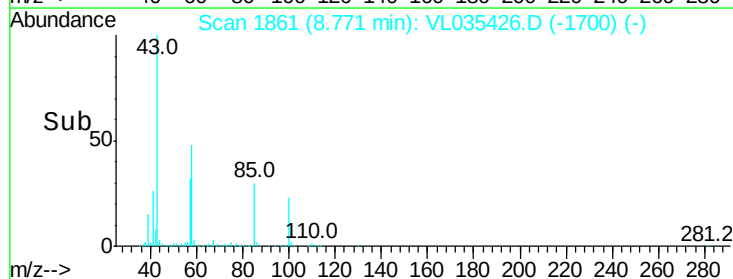
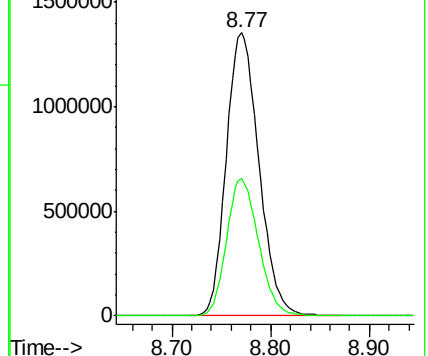
43 100

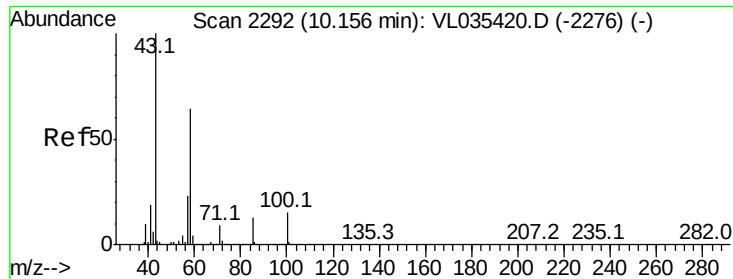
58 47.7 28.7 43.1#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

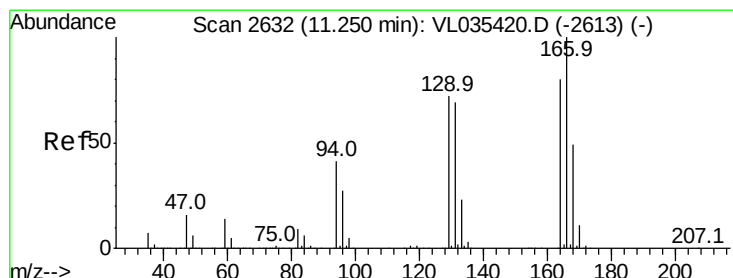
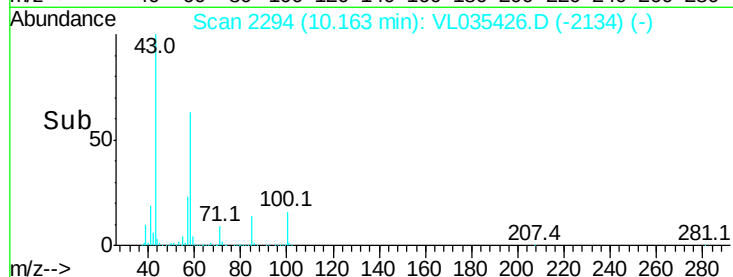
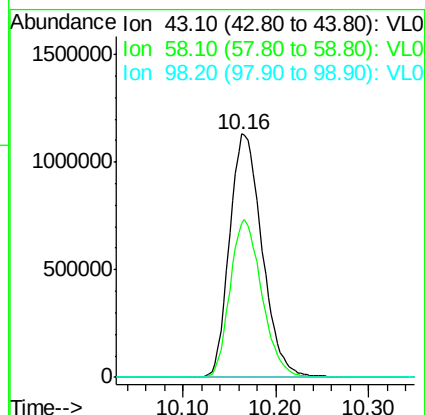
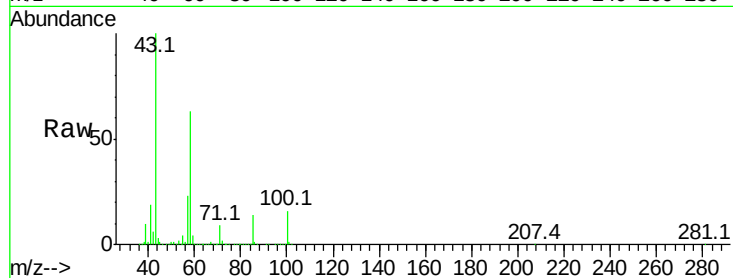




#51
2-Hexanone
Concen: 5.865 ppbv
RT: 10.16 min Scan# 2294
Delta R.T. 0.01 min
Lab File: VL035426.D
Acq: 17 Aug 2020 18:05

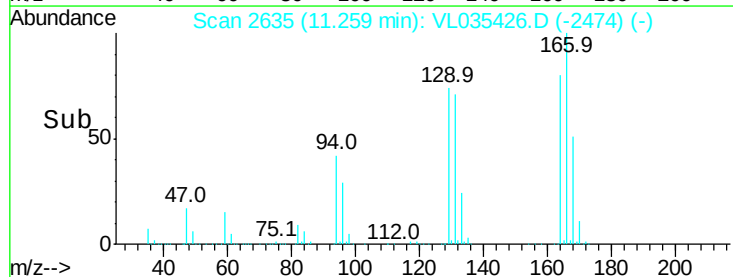
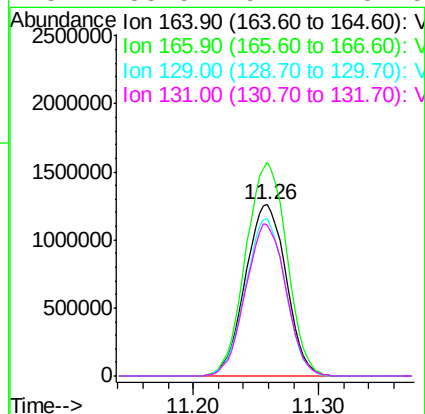
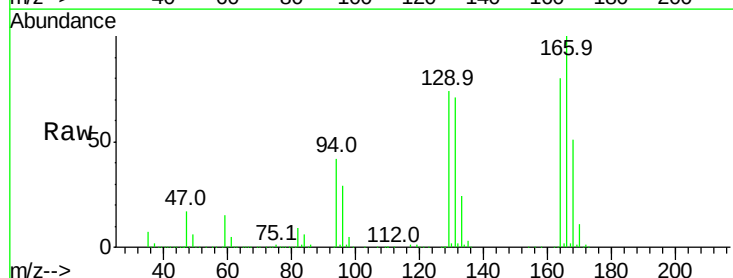
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

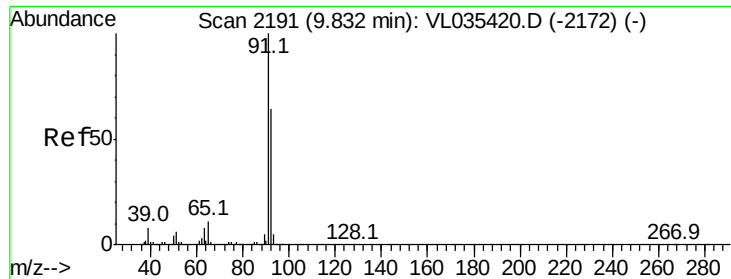
Tgt Ion: 43 Resp: 2758410
Ion Ratio Lower Upper
43 100
58 63.3 38.6 58.0#
98 0.3 0.2 0.2#



#52
Tetrachloroethene
Concen: 15.887 ppbv
RT: 11.26 min Scan# 2635
Delta R.T. 0.02 min
Lab File: VL035426.D
Acq: 17 Aug 2020 18:05

Tgt Ion: 164 Resp: 2848375
Ion Ratio Lower Upper
164 100
166 124.7 103.4 155.0
129 91.7 90.2 135.4
131 88.5 91.7 137.5#





#53

Toluene

Concen: 10.153 ppbv

RT: 9.84 min Scan# 2193

Delta R.T. 0.02 min

Lab File: VL035426.D

Acq: 17 Aug 2020 18:05

Instrument :

MSVOA_L

ClientSampleId :

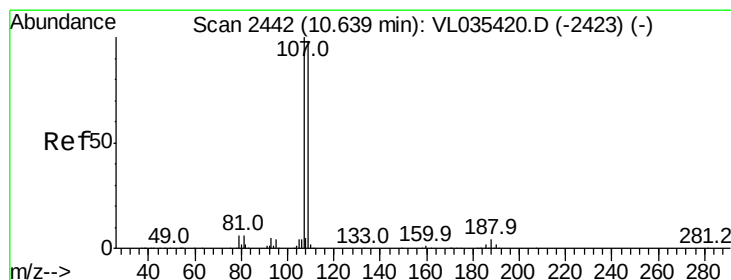
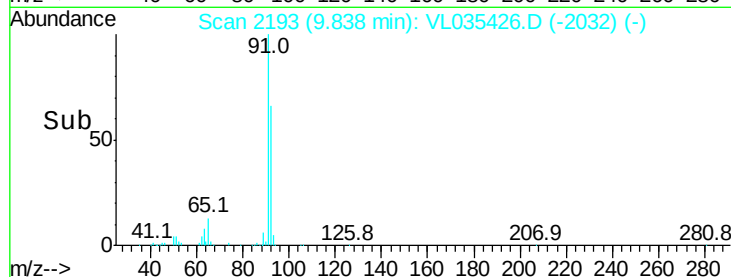
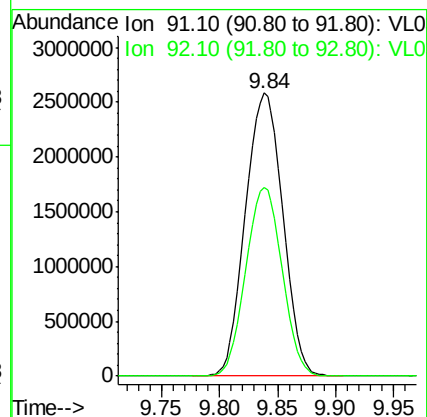
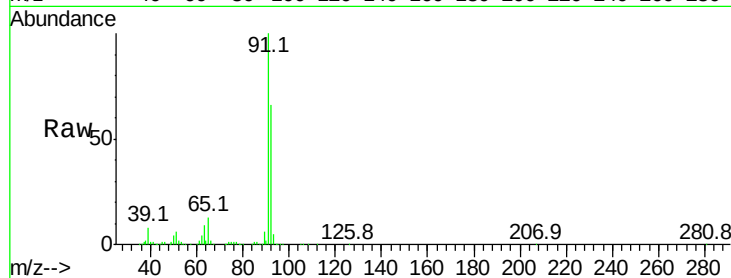
VSTDIC015

Tgt Ion: 91 Resp: 5827675

Ion Ratio Lower Upper

91 100

92 64.6 49.1 73.7



#54

1,2-Dibromoethane

Concen: 11.992 ppbv

RT: 10.65 min Scan# 2444

Delta R.T. 0.01 min

Lab File: VL035426.D

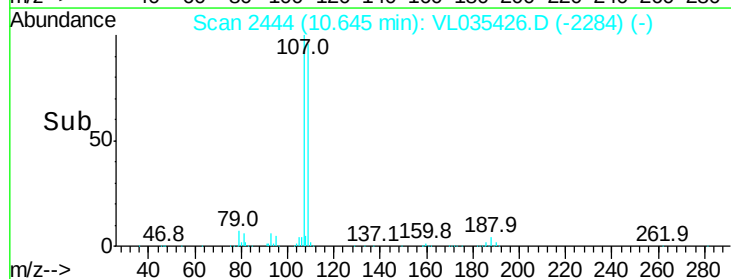
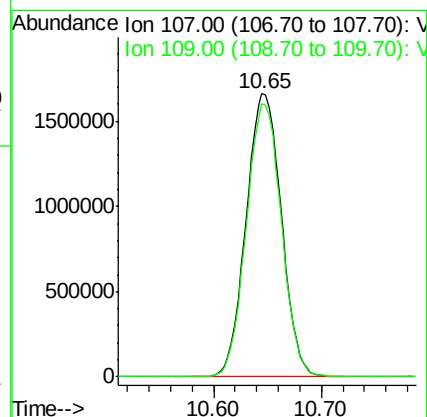
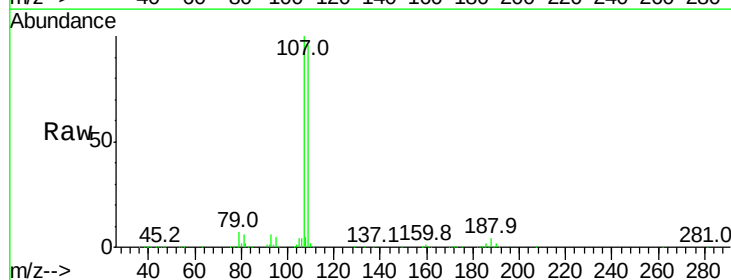
Acq: 17 Aug 2020 18:05

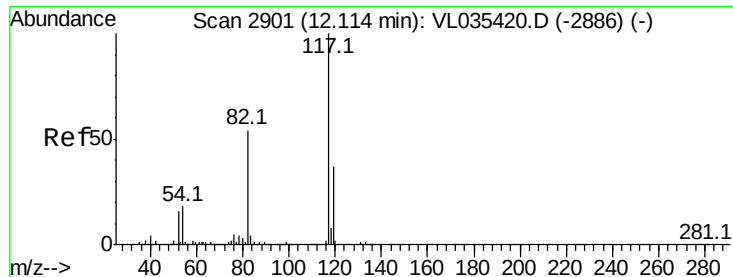
Tgt Ion: 107 Resp: 3780294

Ion Ratio Lower Upper

107 100

109 96.4 75.1 112.7





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.12 min Scan# 2903

Delta R.T. 0.01 min

Lab File: VL035426.D

Acq: 17 Aug 2020 18:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

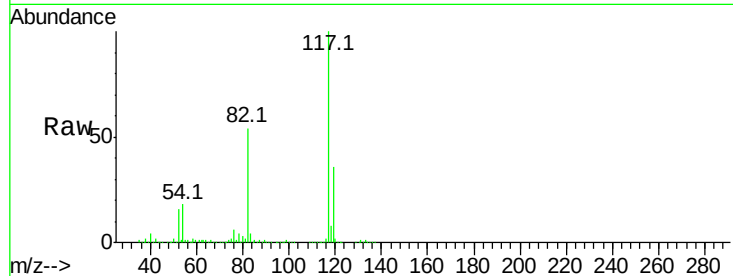
Tgt Ion:117 Resp: 5357727

Ion Ratio Lower Upper

117 100

82 51.6 57.4 86.0#

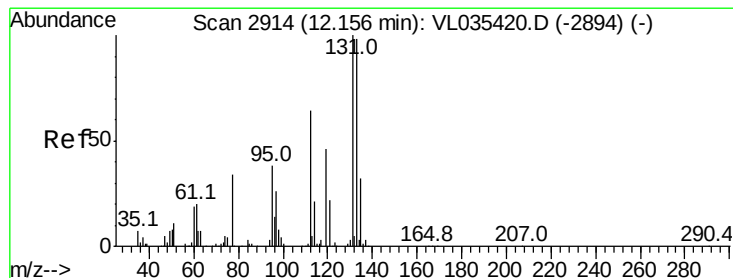
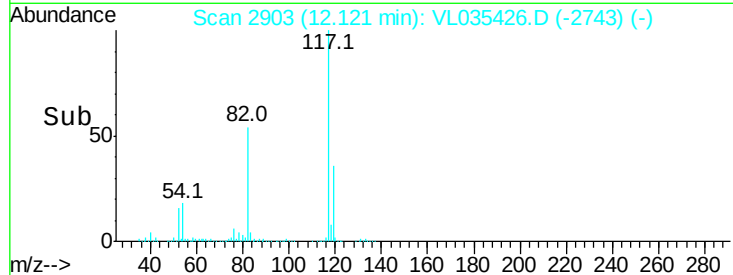
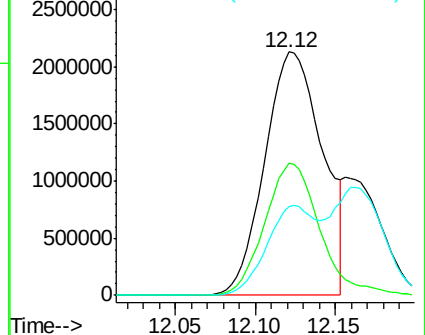
119 0.0 28.4 42.6#



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 12.634 ppbv

RT: 12.16 min Scan# 2916

Delta R.T. 0.01 min

Lab File: VL035426.D

Acq: 17 Aug 2020 18:05

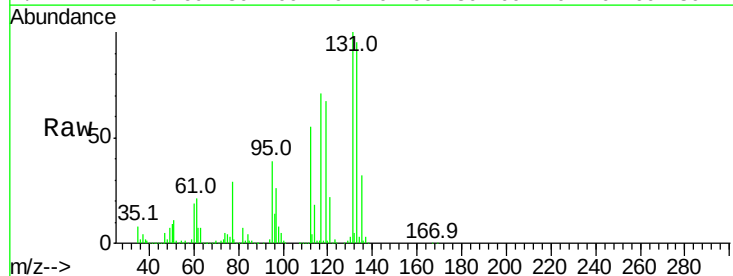
Tgt Ion:131 Resp: 3330885

Ion Ratio Lower Upper

131 100

133 96.6 76.1 114.1

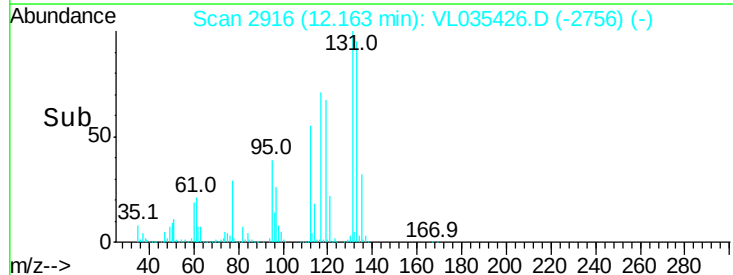
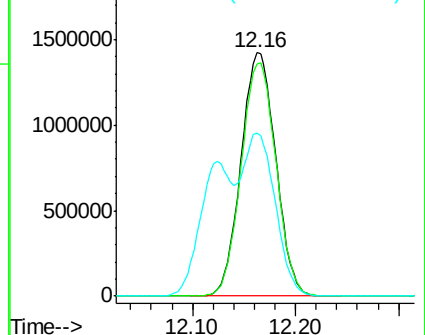
119 61.7 50.7 76.1

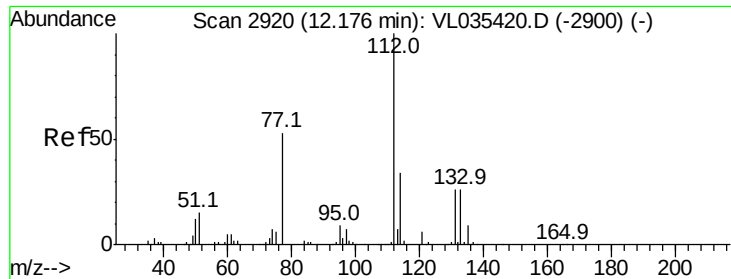


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

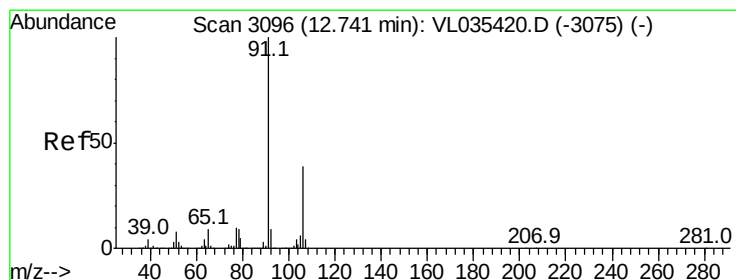
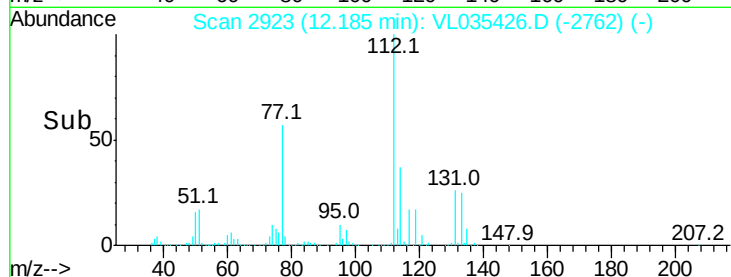
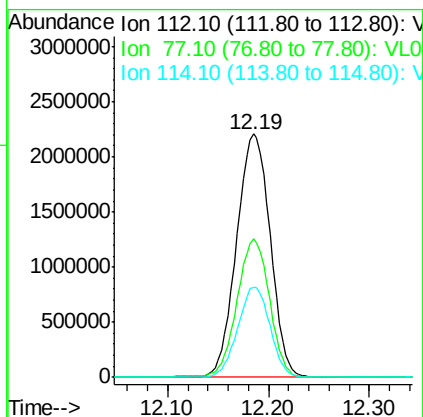
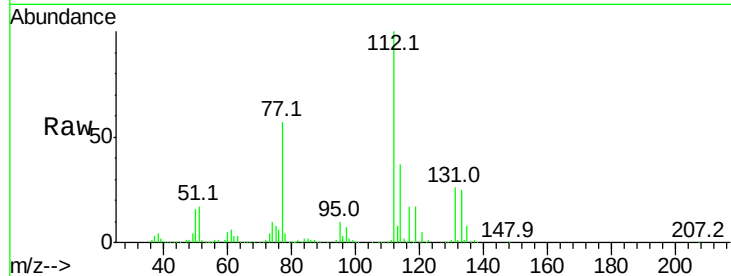




#57
Chlorobenzene
Concen: 10.546 ppbv
RT: 12.19 min Scan# 2923
Delta R.T. 0.02 min
Lab File: VL035426.D
Acq: 17 Aug 2020 18:05

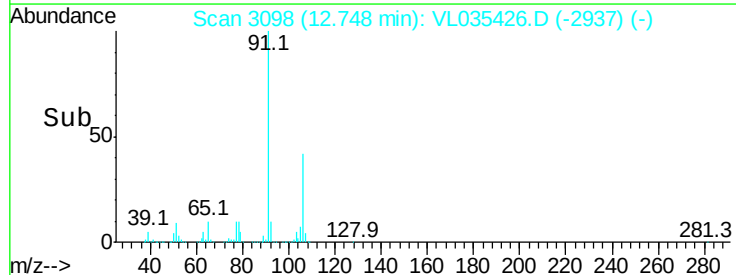
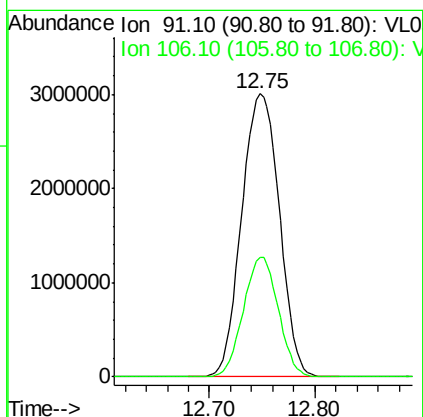
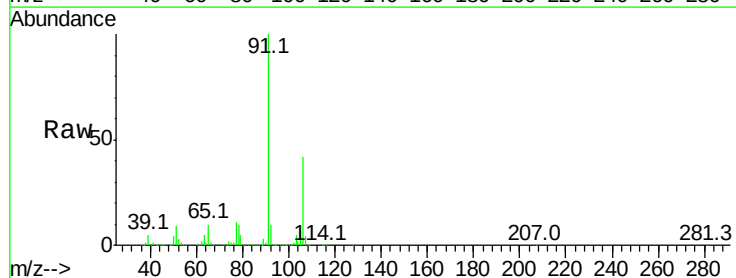
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

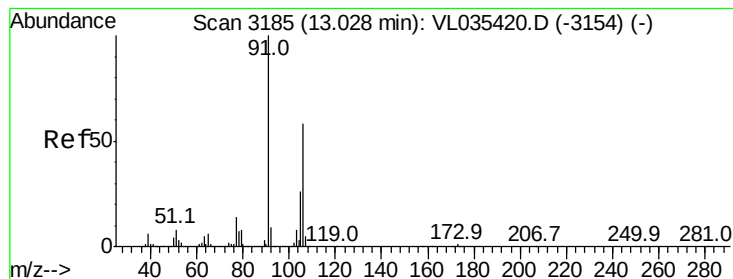
Tgt Ion:112 Resp: 5102898
Ion Ratio Lower Upper
112 100
77 56.6 60.6 91.0#
114 36.7 28.5 34.9#



#58
Ethyl Benzene
Concen: 8.452 ppbv
RT: 12.75 min Scan# 3098
Delta R.T. 0.02 min
Lab File: VL035426.D
Acq: 17 Aug 2020 18:05

Tgt Ion: 91 Resp: 7497146
Ion Ratio Lower Upper
91 100
106 42.4 24.1 36.1#





#59

m/p-Xylene

Concen: 8.959 ppbv

RT: 13.04 min Scan# 3188

Delta R.T. 0.02 min

Lab File: VL035426.D

Acq: 17 Aug 2020 18:05

Instrument :

MSVOA_L

ClientSampleId :

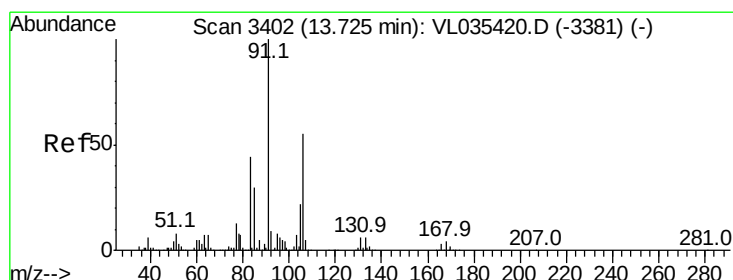
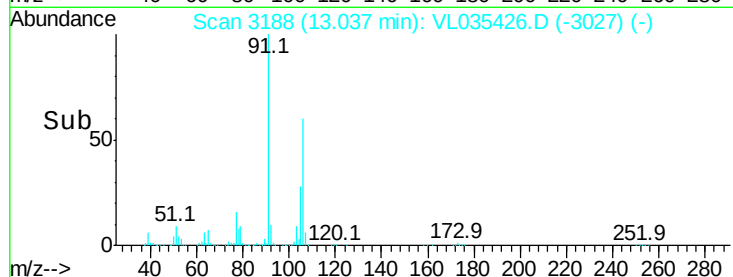
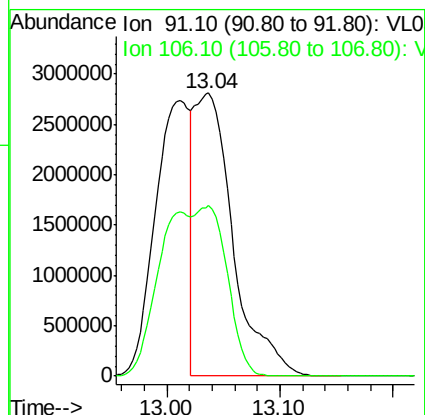
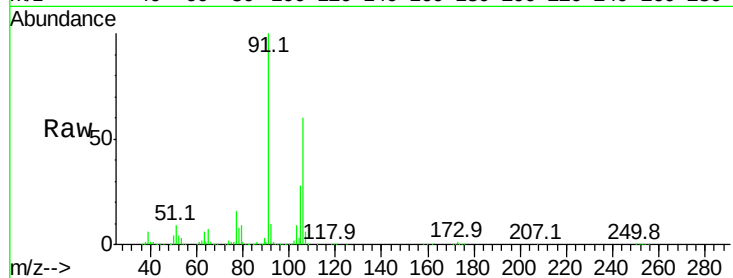
VSTDIC015

Tgt Ion: 91 Resp: 6629607

Ion Ratio Lower Upper

91 100

106 103.3 34.0 51.0#



#60

o-Xylene

Concen: 8.521 ppbv

RT: 13.73 min Scan# 3405

Delta R.T. 0.02 min

Lab File: VL035426.D

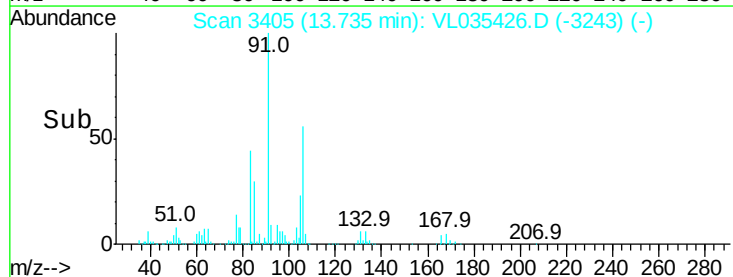
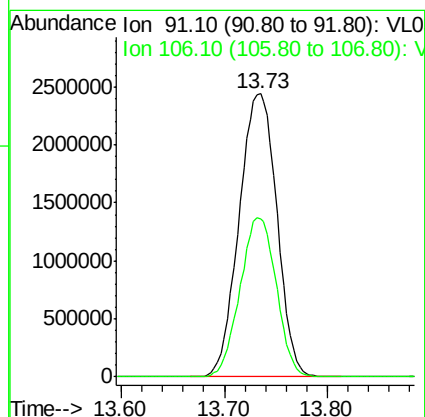
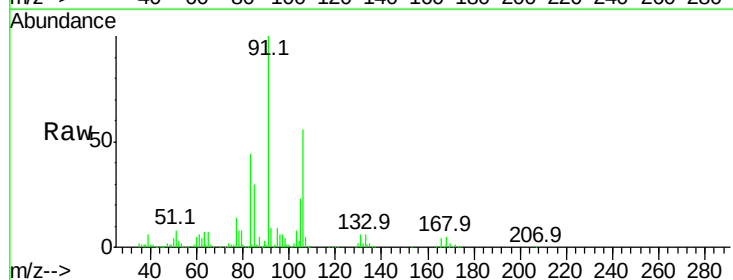
Acq: 17 Aug 2020 18:05

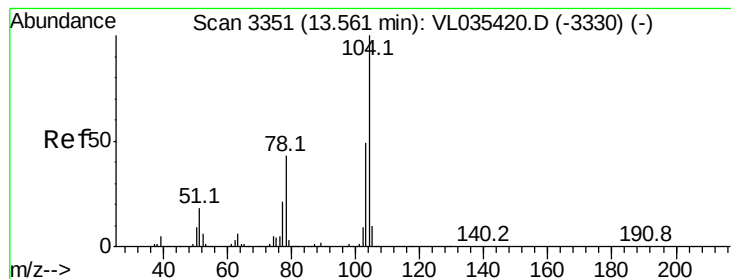
Tgt Ion: 91 Resp: 6205382

Ion Ratio Lower Upper

91 100

106 54.1 21.8 65.3





#61

Styrene

Concen: 10.911 ppbv

RT: 13.57 min Scan# 3353

Delta R.T. 0.02 min

Lab File: VL035426.D

Acq: 17 Aug 2020 18:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

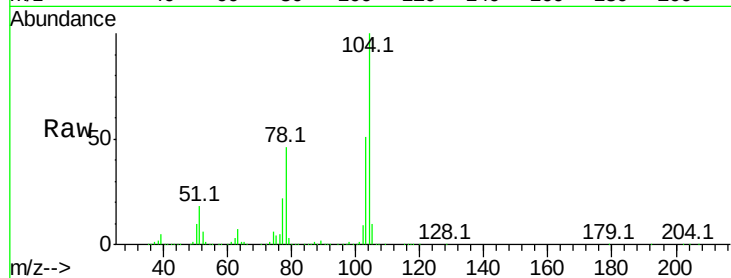
Tgt Ion:104 Resp: 5426207

Ion Ratio Lower Upper

104 100

78 44.3 45.4 68.2#

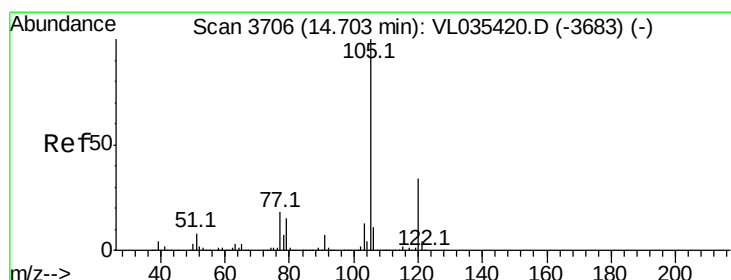
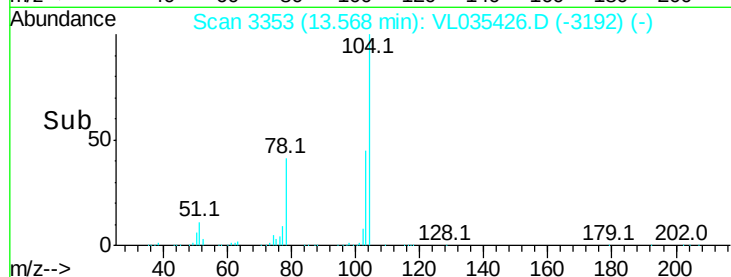
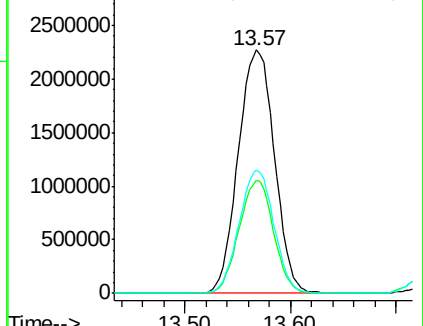
103 48.8 37.8 56.8



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: 8.710 ppbv

RT: 14.71 min Scan# 3708

Delta R.T. 0.02 min

Lab File: VL035426.D

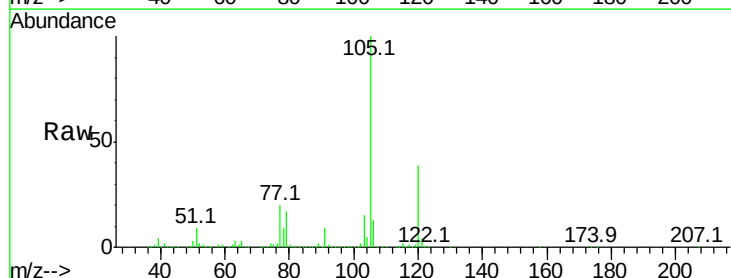
Acq: 17 Aug 2020 18:05

Tgt Ion:105 Resp: 9360338

Ion Ratio Lower Upper

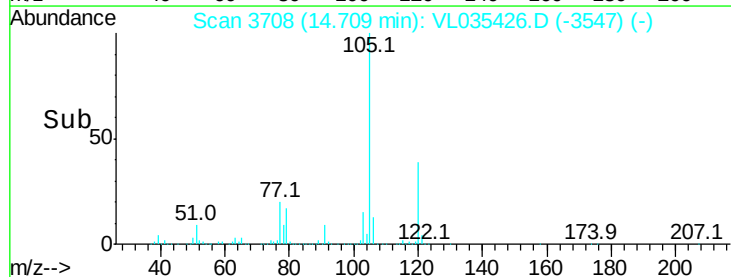
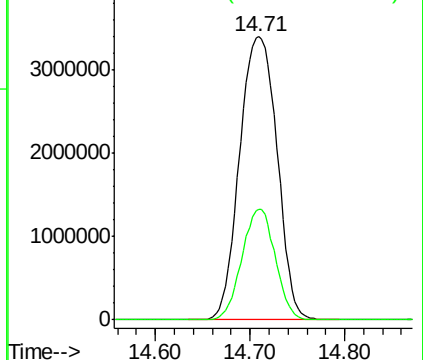
105 100

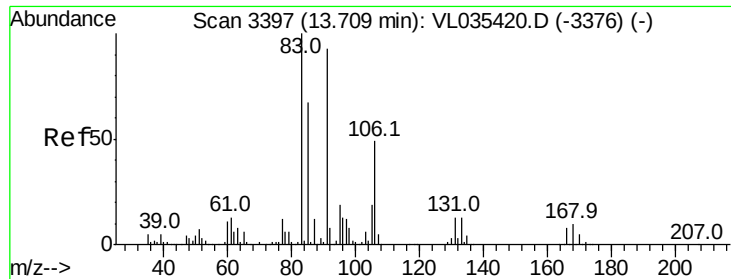
120 34.8 20.3 30.5#



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: 7.680 ppbv

RT: 13.72 min Scan# 3400

Delta R.T. 0.02 min

Lab File: VL035426.D

Acq: 17 Aug 2020 18:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

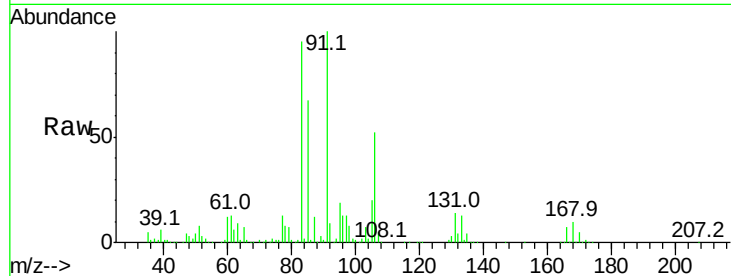
Tgt Ion: 83 Resp: 4339754

Ion Ratio Lower Upper

83 100

131 13.3 4.5 13.4

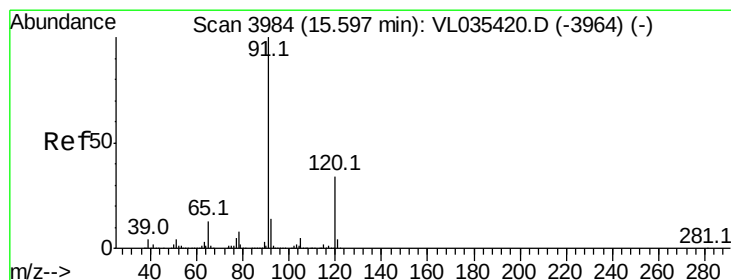
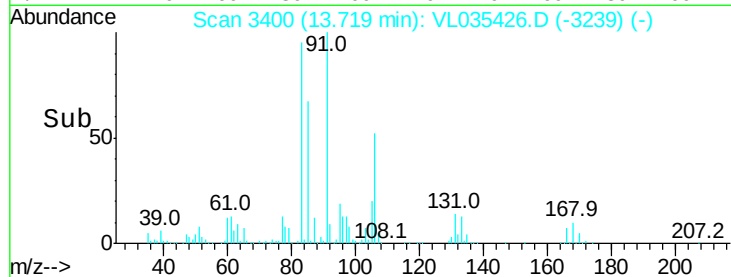
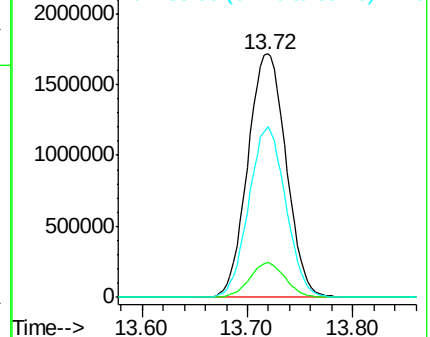
85 67.7 32.7 98.1



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: 12.417 ppbv

RT: 15.60 min Scan# 3986

Delta R.T. 0.02 min

Lab File: VL035426.D

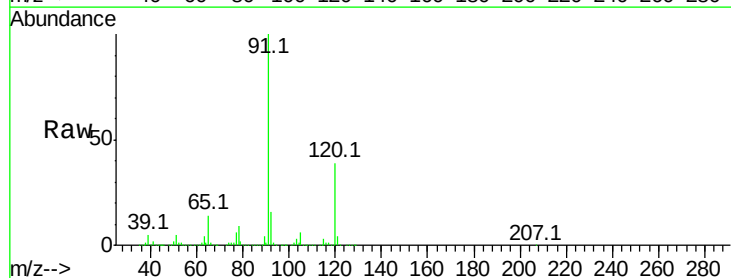
Acq: 17 Aug 2020 18:05

Tgt Ion: 120 Resp: 3382743

Ion Ratio Lower Upper

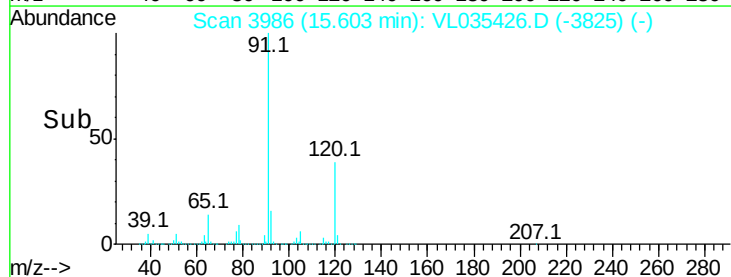
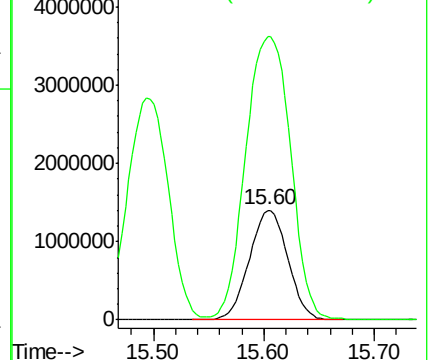
120 100

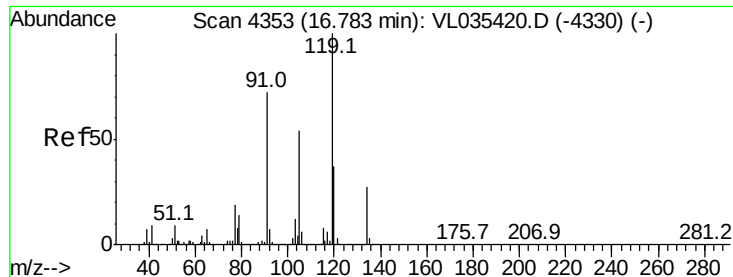
91 303.0 385.5 578.3#



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 9.996 ppbv

RT: 16.79 min Scan# 4355

Delta R.T. 0.02 min

Lab File: VL035426.D

Acq: 17 Aug 2020 18:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

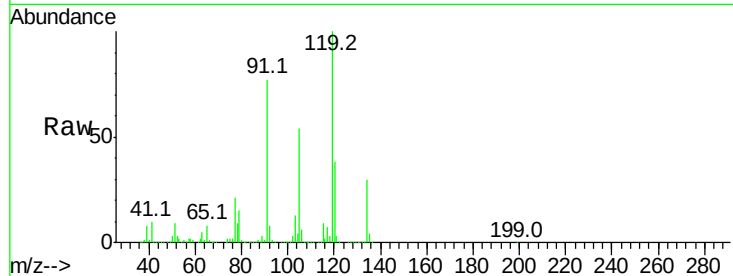
Tgt Ion:119 Resp: 9204187

Ion Ratio Lower Upper

119 100

91 73.8 72.0 108.0

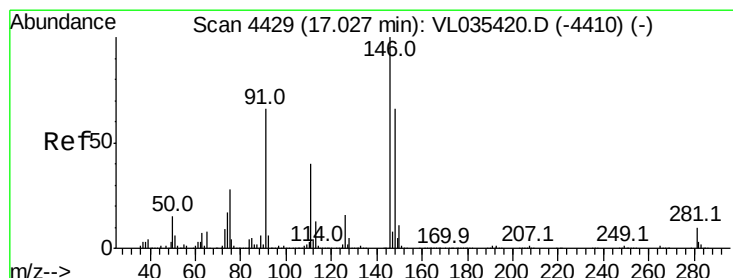
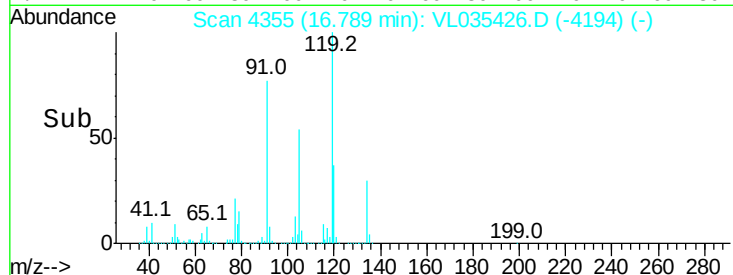
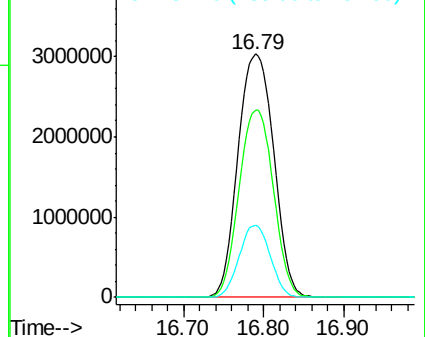
134 25.8 15.7 23.5#



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: 12.269 ppbv

RT: 17.03 min Scan# 4431

Delta R.T. 0.02 min

Lab File: VL035426.D

Acq: 17 Aug 2020 18:05

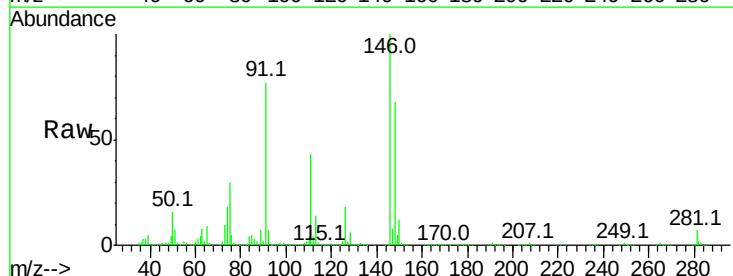
Tgt Ion: 91 Resp: 3699457

Ion Ratio Lower Upper

91 100

126 23.4 13.3 19.9#

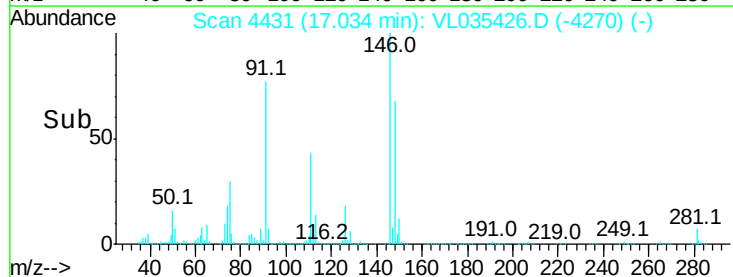
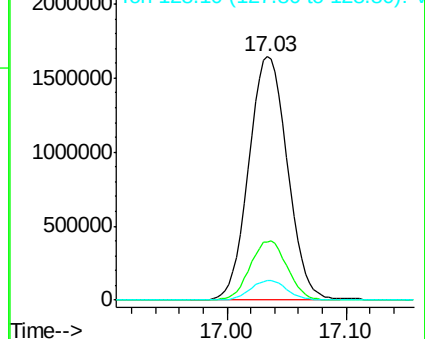
128 7.7 4.1 6.1#

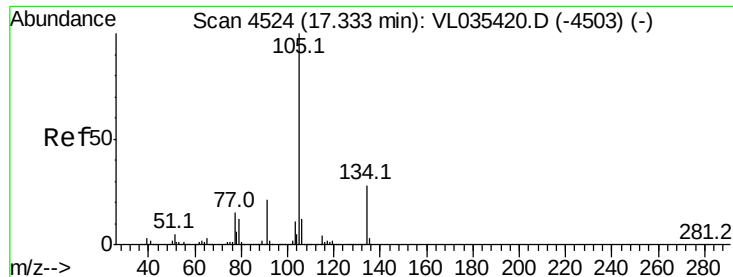


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 8.246 ppbv

RT: 17.34 min Scan# 4526

Delta R.T. 0.02 min

Lab File: VL035426.D

Acq: 17 Aug 2020 18:05

Instrument :

MSVOA_L

ClientSampleId :

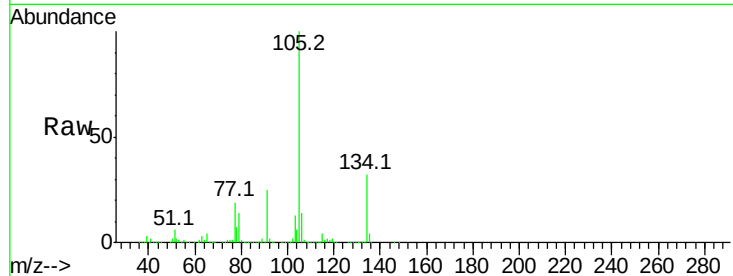
VSTDIC015

Tgt Ion:105 Resp:11212144

Ion Ratio Lower Upper

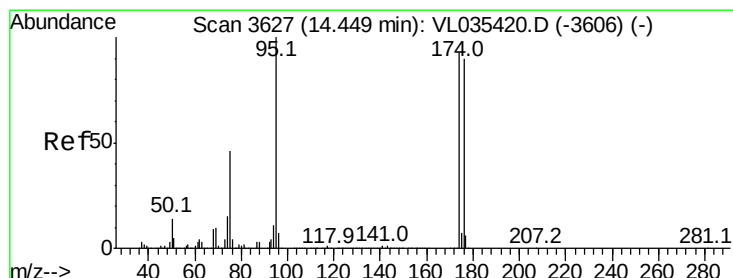
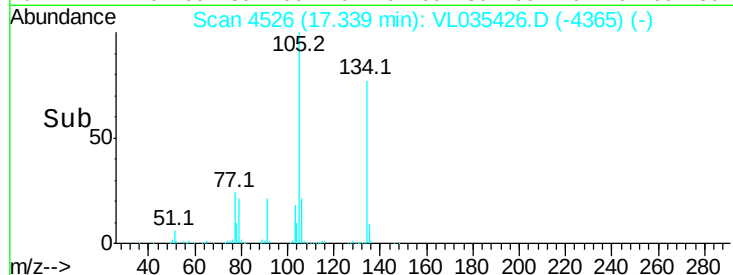
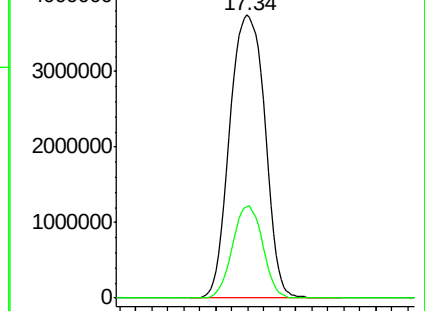
105 100

134 28.0 14.1 21.1#



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: 8.039 ppbv

RT: 14.46 min Scan# 3629

Delta R.T. 0.02 min

Lab File: VL035426.D

Acq: 17 Aug 2020 18:05

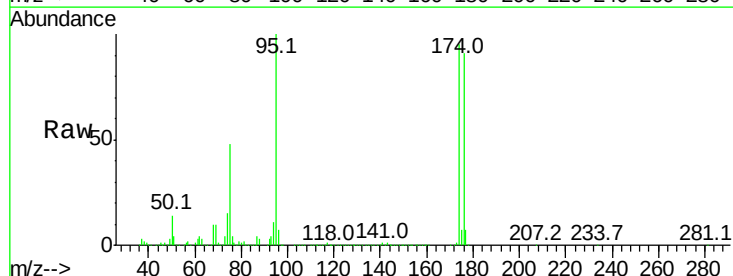
Tgt Ion: 95 Resp: 3647140

Ion Ratio Lower Upper

95 100

174 95.5 44.0 66.0#

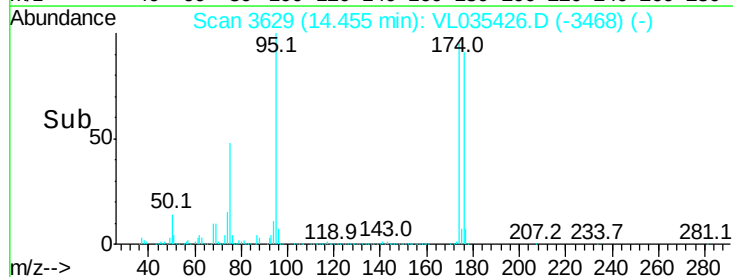
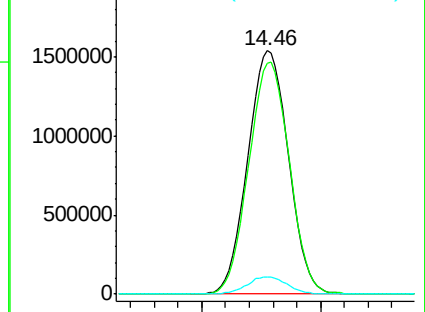
175 7.0 3.2 4.8#

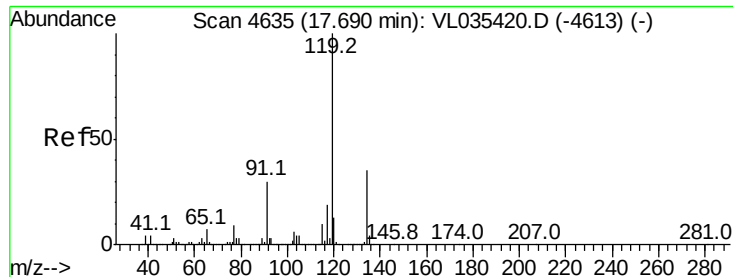


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

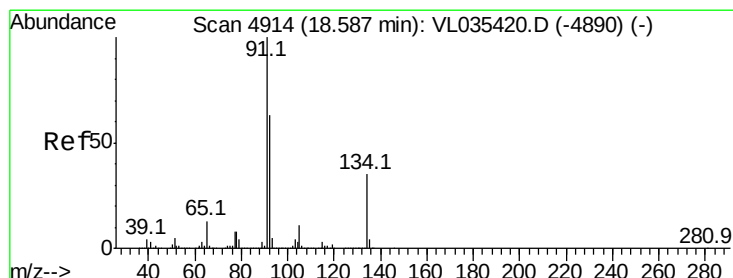
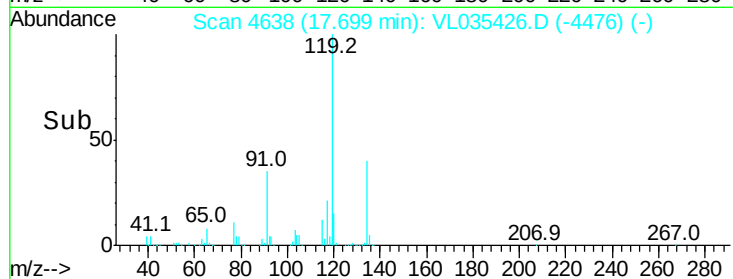
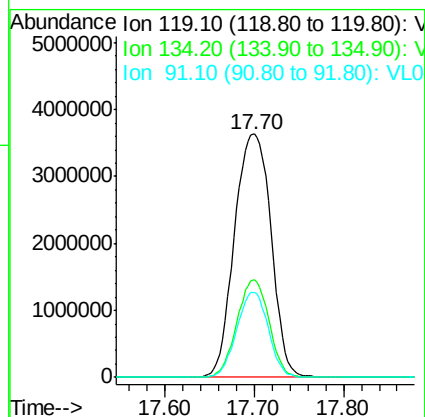
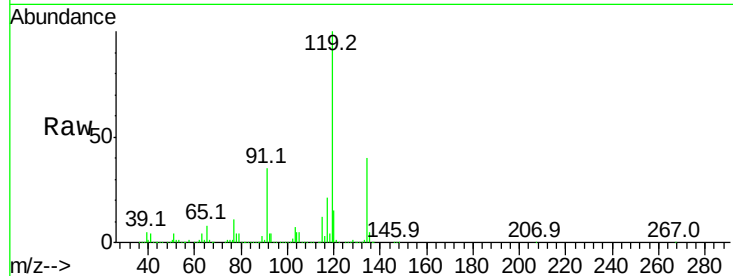




#69
 p-Isopropyltoluene
 Concen: 9.349 ppbv
 RT: 17.70 min Scan# 4638
 Delta R.T. 0.02 min
 Lab File: VL035426.D
 Acq: 17 Aug 2020 18:05

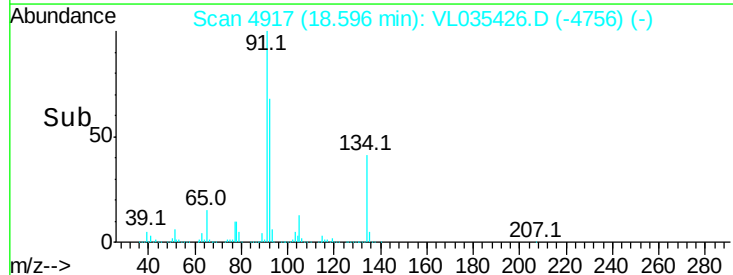
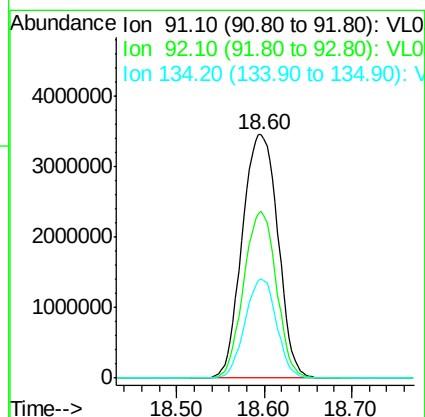
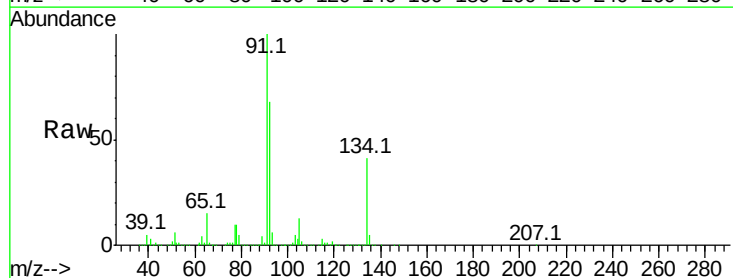
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

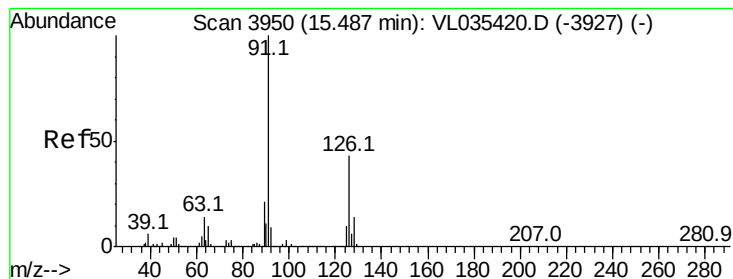
Tgt Ion:119 Resp:10350422
 Ion Ratio Lower Upper
 119 100
 134 35.2 20.6 30.8#
 91 30.3 26.6 39.8



#70
 n-Butylbenzene
 Concen: 7.539 ppbv
 RT: 18.60 min Scan# 4917
 Delta R.T. 0.02 min
 Lab File: VL035426.D
 Acq: 17 Aug 2020 18:05

Tgt Ion: 91 Resp: 9757093
 Ion Ratio Lower Upper
 91 100
 92 62.7 44.8 67.2
 134 36.0 17.3 25.9#





#71

2-Chlorotoluene

Concen: 8.327 ppbv

RT: 15.49 min Scan# 3952

Delta R.T. 0.02 min

Lab File: VL035426.D

Acq: 17 Aug 2020 18:05

Instrument :

MSVOA_L

ClientSampleId :

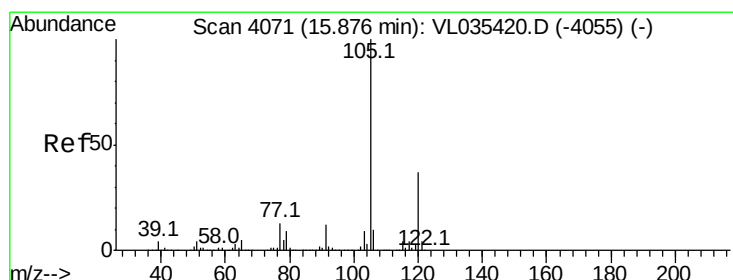
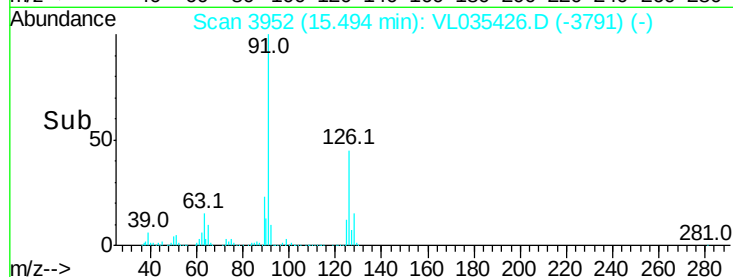
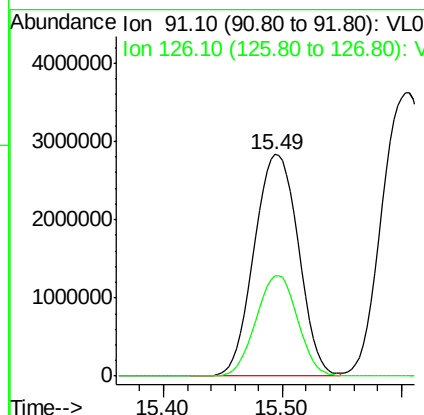
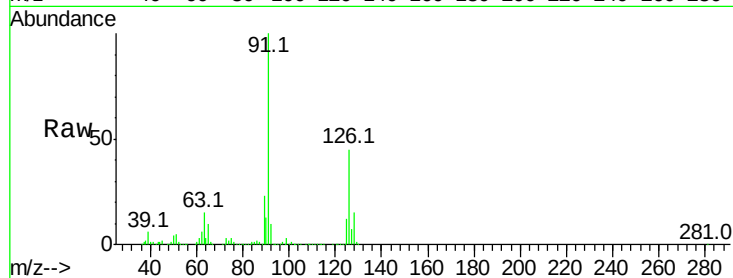
VSTDIC015

Tgt Ion: 91 Resp: 7321781

Ion Ratio Lower Upper

91 100

126 42.7 11.4 45.6



#72

4-Ethyltoluene

Concen: 9.428 ppbv

RT: 15.88 min Scan# 4073

Delta R.T. 0.02 min

Lab File: VL035426.D

Acq: 17 Aug 2020 18:05

Tgt Ion: 105 Resp: 8044900

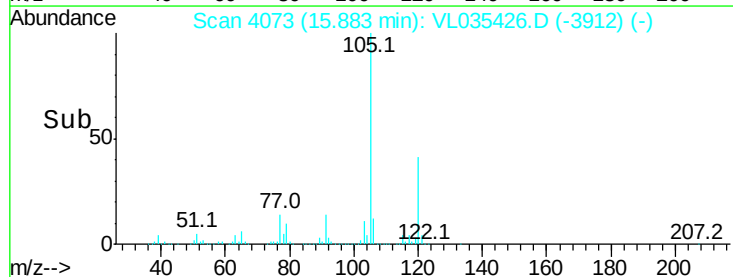
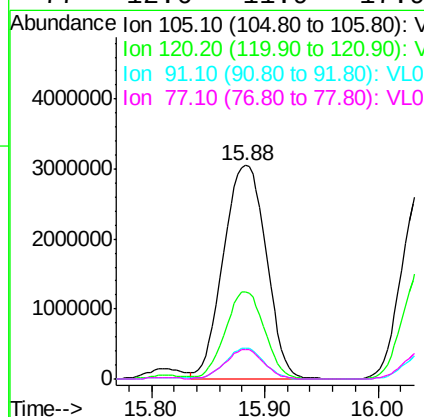
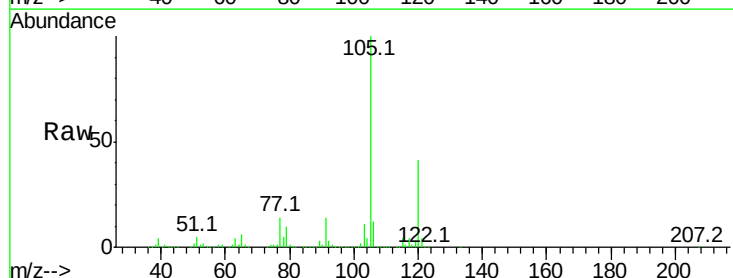
Ion Ratio Lower Upper

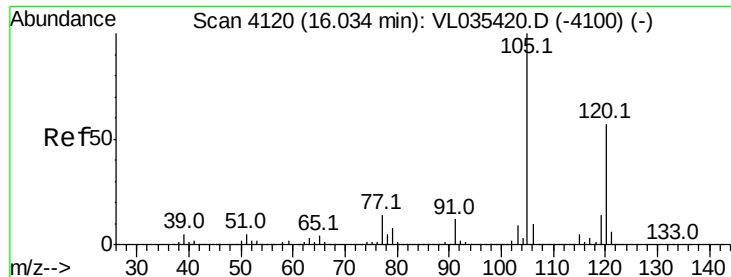
105 100

120 37.7 22.7 34.1#

91 13.0 10.8 16.2

77 12.6 11.9 17.9





#73

1,3,5-Trimethylbenzene

Concen: 9.385 ppbv

RT: 16.04 min Scan# 4122

Delta R.T. 0.01 min

Lab File: VL035426.D

Acq: 17 Aug 2020 18:05

Instrument :

MSVOA_L

ClientSampleId :

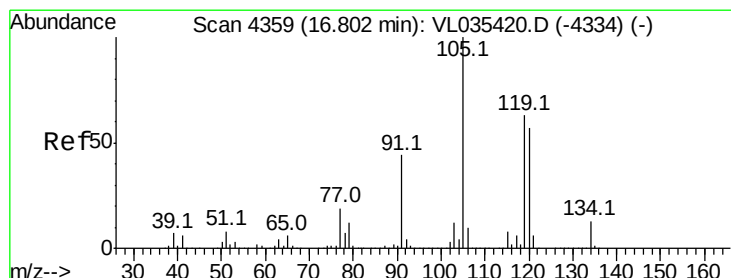
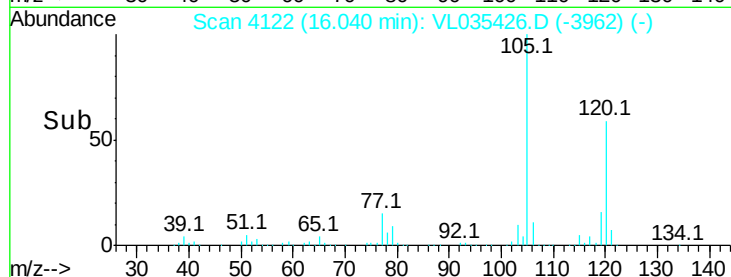
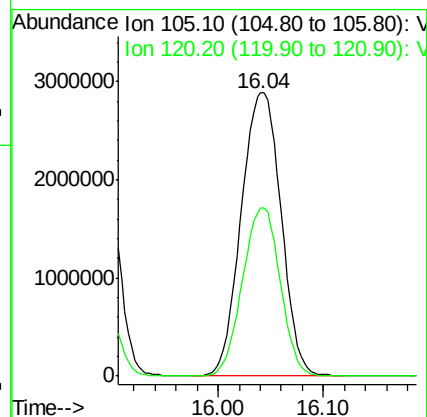
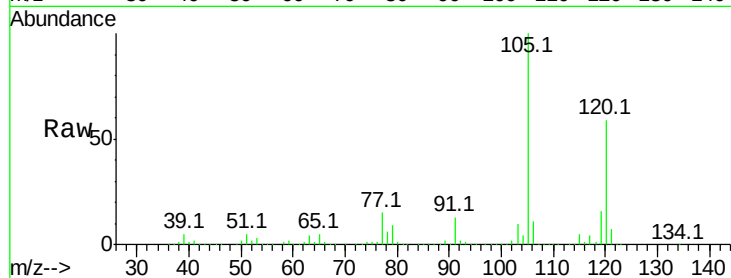
VSTDIC015

Tgt Ion:105 Resp: 7560046

Ion Ratio Lower Upper

105 100

120 59.5 35.6 53.4#



#74

1,2,4-Trimethylbenzene

Concen: 8.893 ppbv

RT: 16.81 min Scan# 4361

Delta R.T. 0.02 min

Lab File: VL035426.D

Acq: 17 Aug 2020 18:05

Tgt Ion:105 Resp: 7670324

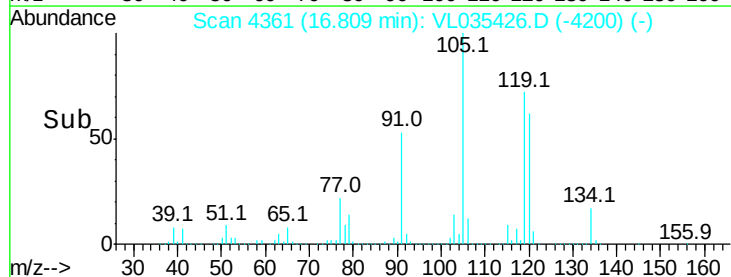
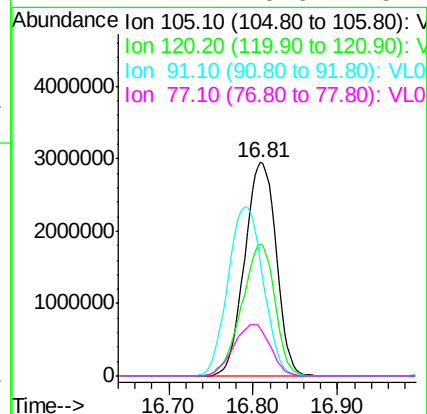
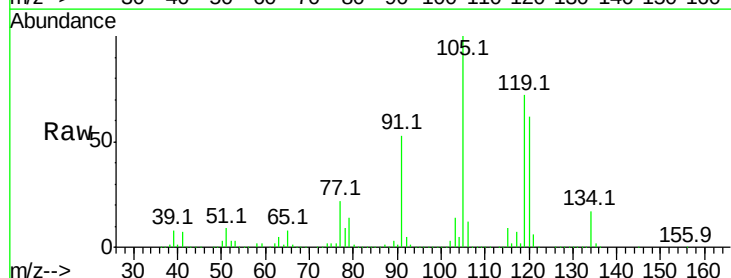
Ion Ratio Lower Upper

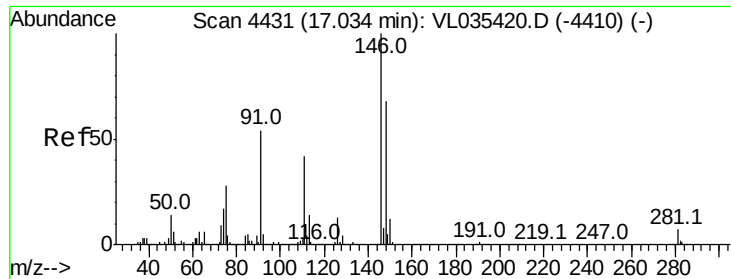
105 100

120 61.5 37.8 56.8#

91 52.9 40.0 60.0

77 22.1 18.8 28.2

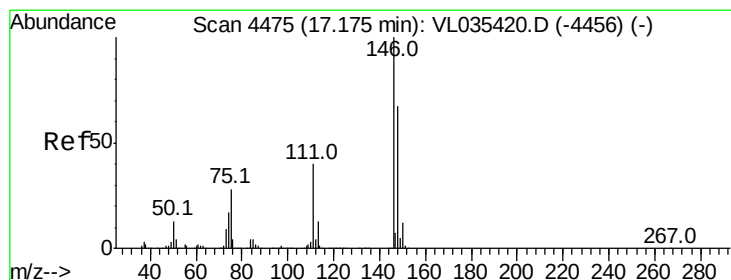
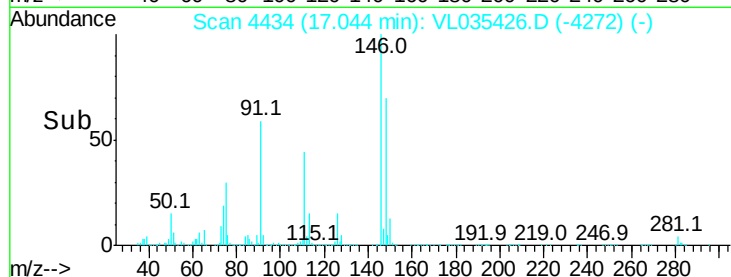
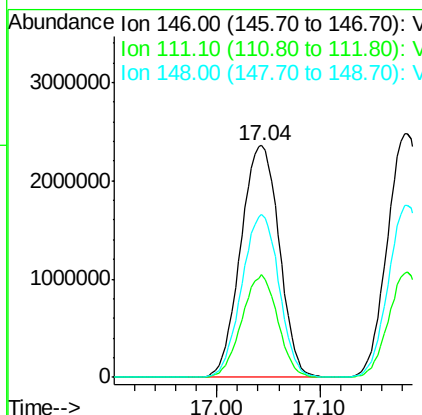
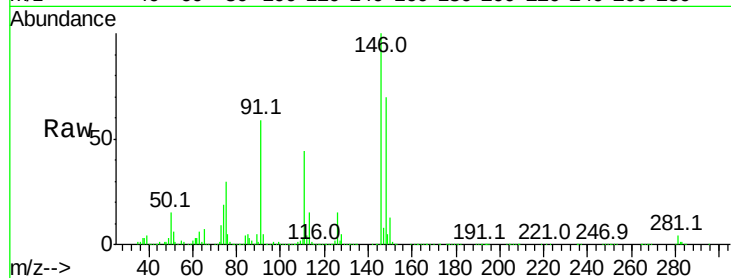




#75
 1,3-Dichlorobenzene
 Concen: 13.043 ppbv
 RT: 17.04 min Scan# 4434
 Delta R.T. 0.02 min
 Lab File: VL035426.D
 Acq: 17 Aug 2020 18:05

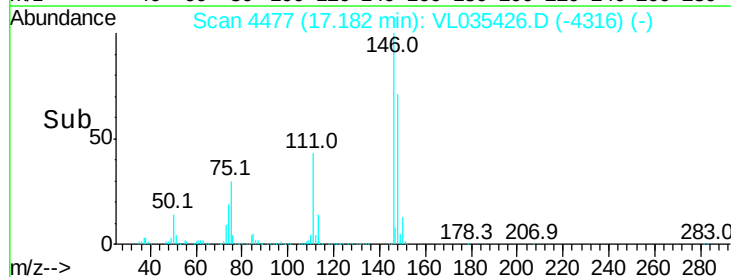
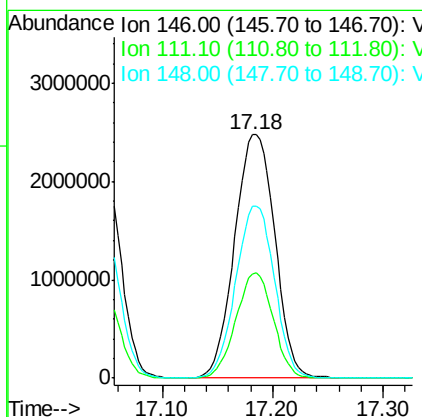
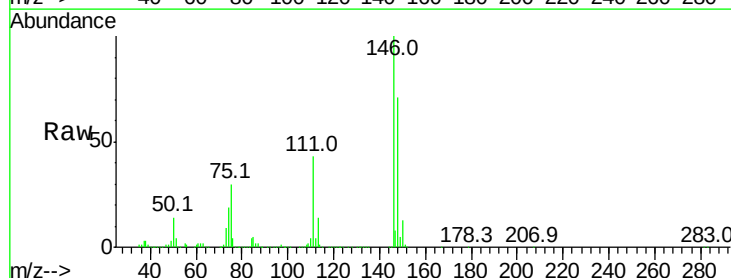
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

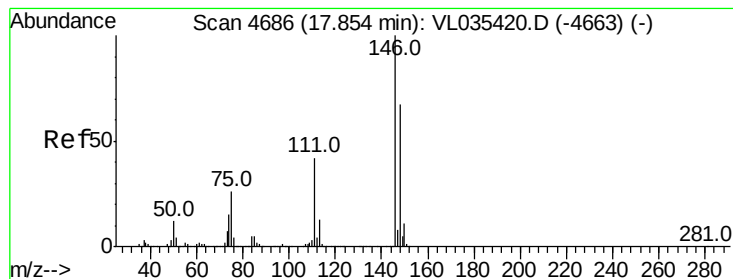
Tgt Ion:146 Resp: 6123533
 Ion Ratio Lower Upper
 146 100
 111 41.3 25.6 76.8
 148 67.9 32.3 96.9



#76
 1,4-Dichlorobenzene
 Concen: 12.953 ppbv
 RT: 17.18 min Scan# 4477
 Delta R.T. 0.02 min
 Lab File: VL035426.D
 Acq: 17 Aug 2020 18:05

Tgt Ion:146 Resp: 6236233
 Ion Ratio Lower Upper
 146 100
 111 40.5 24.8 74.4
 148 68.7 32.1 96.3





#77

1,2-Dichlorobenzene

Concen: 12.984 ppbv

RT: 17.86 min Scan# 4689

Delta R.T. 0.02 min

Lab File: VL035426.D

Acq: 17 Aug 2020 18:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

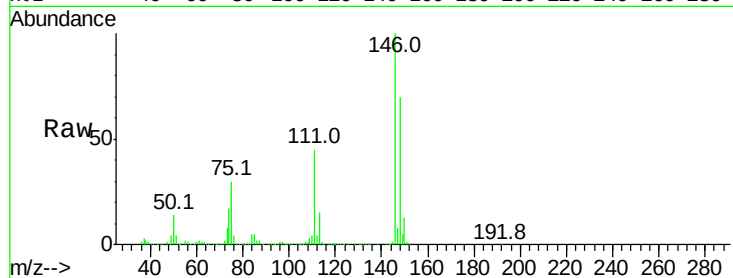
Tgt Ion:146 Resp: 6142153

Ion Ratio Lower Upper

146 100

111 42.6 26.3 78.9

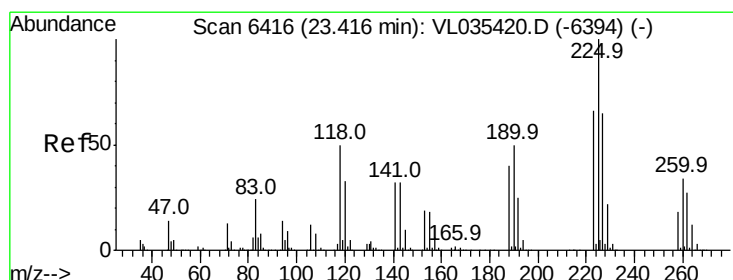
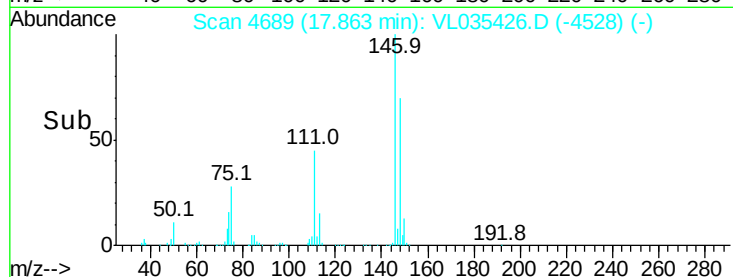
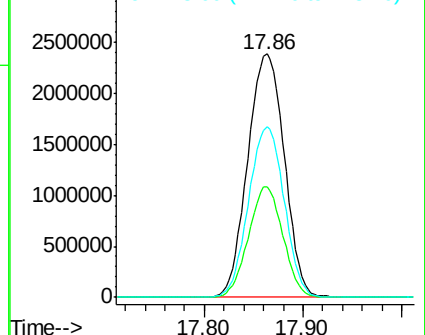
148 68.1 32.0 96.0



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: 12.700 ppbv

RT: 23.42 min Scan# 6418

Delta R.T. 0.02 min

Lab File: VL035426.D

Acq: 17 Aug 2020 18:05

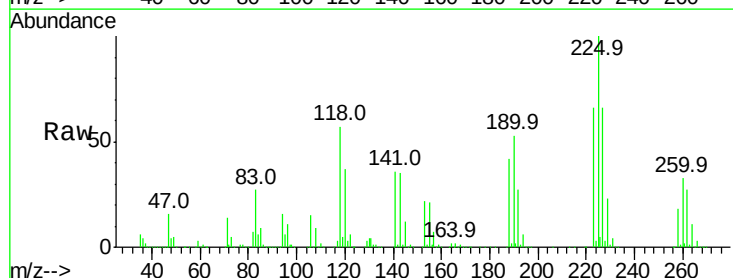
Tgt Ion:225 Resp: 4614255

Ion Ratio Lower Upper

225 100

223 65.6 50.3 75.5

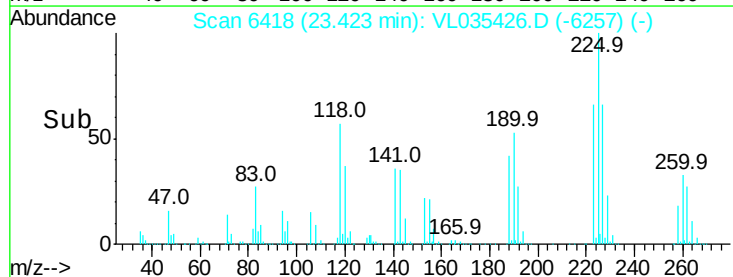
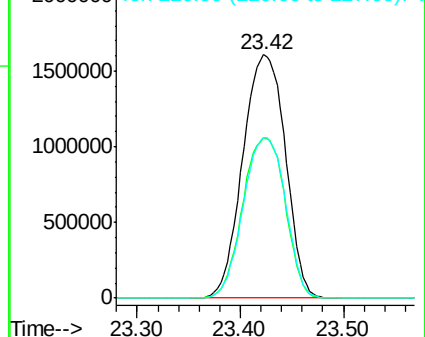
227 65.3 51.0 76.6

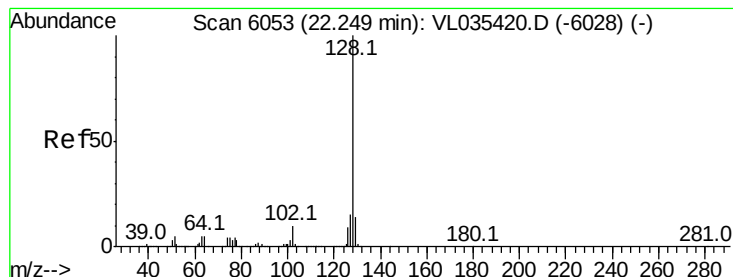


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 11.129 ppbv

RT: 22.26 min Scan# 6055

Delta R.T. 0.02 min

Lab File: VL035426.D

Acq: 17 Aug 2020 18:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

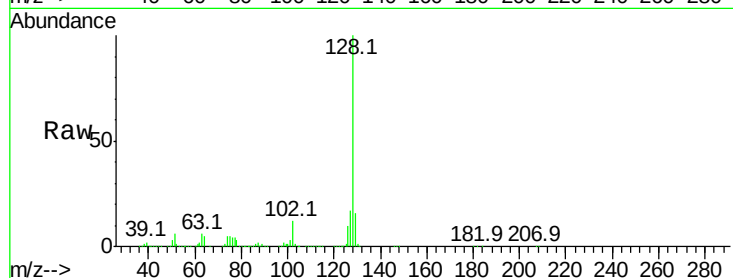
Tgt Ion:128 Resp:11206035

Ion Ratio Lower Upper

128 100

127 17.0 11.4 17.0

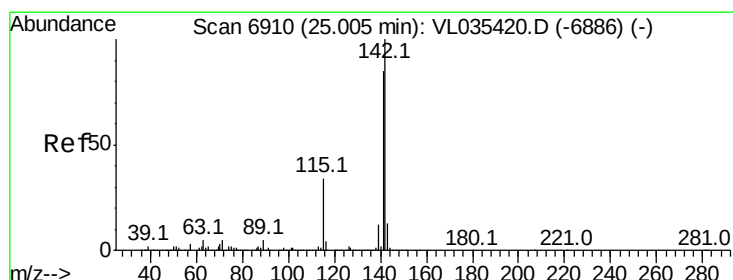
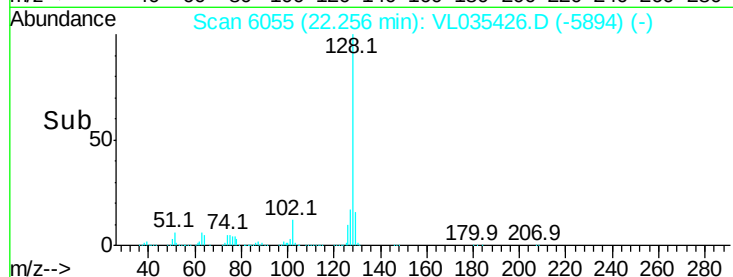
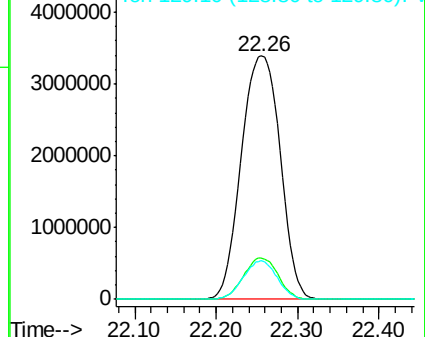
129 15.7 9.5 14.3#



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: 14.217 ppbv

RT: 25.01 min Scan# 6912

Delta R.T. 0.01 min

Lab File: VL035426.D

Acq: 17 Aug 2020 18:05

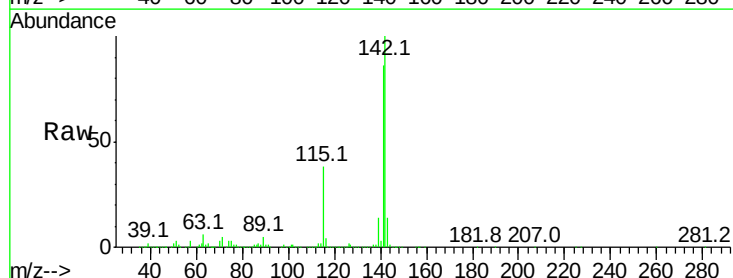
Tgt Ion:142 Resp: 5973142

Ion Ratio Lower Upper

142 100

141 85.4 67.1 100.7

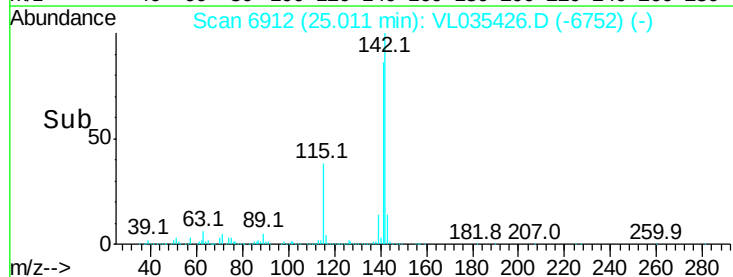
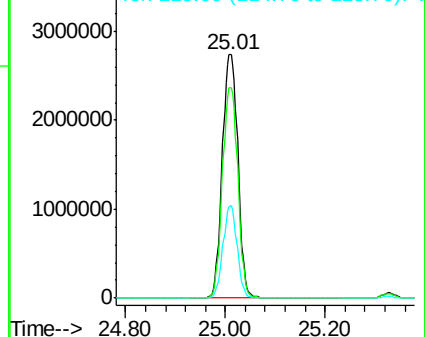
115 34.5 36.1 54.1#

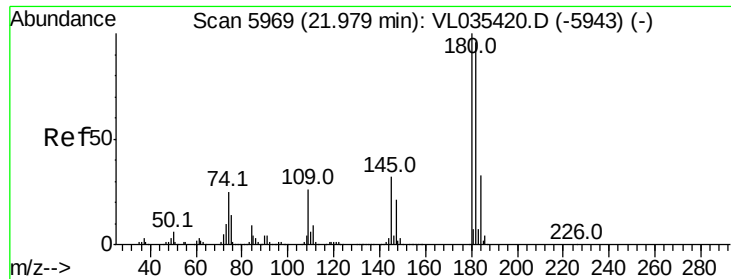


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

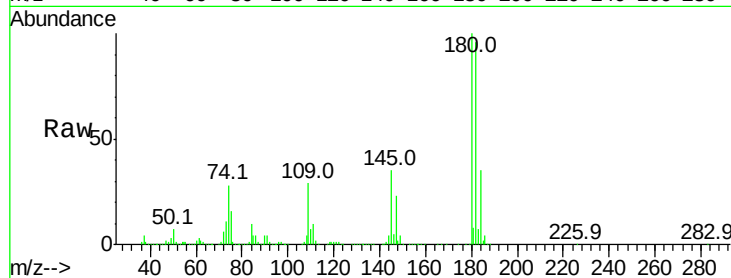




#81
 1,2,4-Trichlorobenzene
 Concen: 14.779 ppbv
 RT: 21.99 min Scan# 5971
 Delta R.T. 0.02 min
 Lab File: VL035426.D
 Acq: 17 Aug 2020 18:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tgt Ion:180 Resp: 7053401
 Ion Ratio Lower Upper
 180 100
 182 96.0 76.6 115.0
 184 33.1 24.8 37.2



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

