

Data File : VL035497.D
Acq On : 23 Aug 2020 12:04
Operator : SY/AP
Sample : VSTDIC015
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Quant Time: Aug 23 12:35:53 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL082320AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LSun Aug 23 10:33:49 2020
QLast Update : Sun Aug 23 10:33:49 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	957516	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	4468418	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	4784122	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	3336683	9.96	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.04	85	2077902	11.708	ppbv	96
3) Chlorodifluoromethane	2.98	51	1493314	12.439	ppbv	98
4) Chloromethane	3.13	50	797948	12.758	ppbv	100
5) Vinyl Chloride	3.25	62	961097	12.858	ppbv	99
6) Bromomethane	3.47	94	864575	13.225	ppbv	99
7) Chloroethane	3.55	64	361918	13.143	ppbv	99
8) Dichlorotetrafluoroethane	3.18	85	2654074	11.680	ppbv	99
9) Propene	3.00	41	581009	12.040	ppbv	98
10) Heptane	8.13	43	1605600	12.690	ppbv	99
11) Trichlorofluoromethane	3.95	101	3405448	12.229	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.48	101	2612902	12.592	ppbv	98
13) Ethanol	3.60	45	148480	8.398	ppbv	100
14) Bromoethene	3.74	108	1210202	13.197	ppbv	99
15) Acetone	3.85	43	1291419	11.718	ppbv	99
16) 1,3-Butadiene	3.32	39	591395	13.232	ppbv	98
17) tert-Butyl alcohol	4.29	59	1852856	13.007	ppbv	100
18) 1,1-Dichloroethene	4.29	96	1224194	13.361	ppbv	98
19) Isopropyl Alcohol	3.97	45	949460	12.499	ppbv	99
20) Methylene Chloride	4.34	84	968088	10.887	ppbv	100
21) Allyl Chloride	4.41	41	787942	14.069	ppbv	99
22) trans-1,2-Dichloroethene	4.89	96	1296689	13.261	ppbv	99
23) Vinyl Acetate	5.08	43	2085911	13.240	ppbv	99
24) 1,1-Dichloroethane	5.02	63	1991174	12.664	ppbv	99
25) Ethyl Acetate	5.68	43	2554667	11.912	ppbv	99
26) Hexane	5.69	57	1471507	12.159	ppbv	98
27) Carbon Disulfide	4.55	76	2554050	14.599	ppbv	99
28) Methyl tert-Butyl Ether	5.03	73	2761697	12.492	ppbv	99
29) Chloroform	5.76	83	3112351	12.799	ppbv	98
30) Cyclohexane	7.14	84	1773318	13.207	ppbv	98
31) cis-1,2-Dichloroethene	5.55	61	1673083	13.144	ppbv	99
32) 1,1,1-Trichloroethane	6.52	97	3217288	14.118	ppbv	99
34) 2-Butanone	5.25	43	1853312	12.414	ppbv	99
35) Carbon Tetrachloride	7.03	117	3447365	14.506	ppbv	98
36) Benzene	6.90	78	3971181	12.109	ppbv	98
37) 1,2-Dichloroethane	6.31	62	1942859	12.963	ppbv	100
38) Trichloroethene	7.84	130	2200218	12.061	ppbv	97
39) 1,2-Dichloropropane	7.62	63	1356653	12.551	ppbv	99
40) 1,4-Dioxane	7.84	88	699620	11.882	ppbv	94
41) Tetrahydrofuran	6.05	42	1069779	12.990	ppbv	99
42) Bromodichloromethane	7.80	83	3359402	13.394	ppbv	100
43) Methyl Methacrylate	8.02	69	1697093	13.232	ppbv	100

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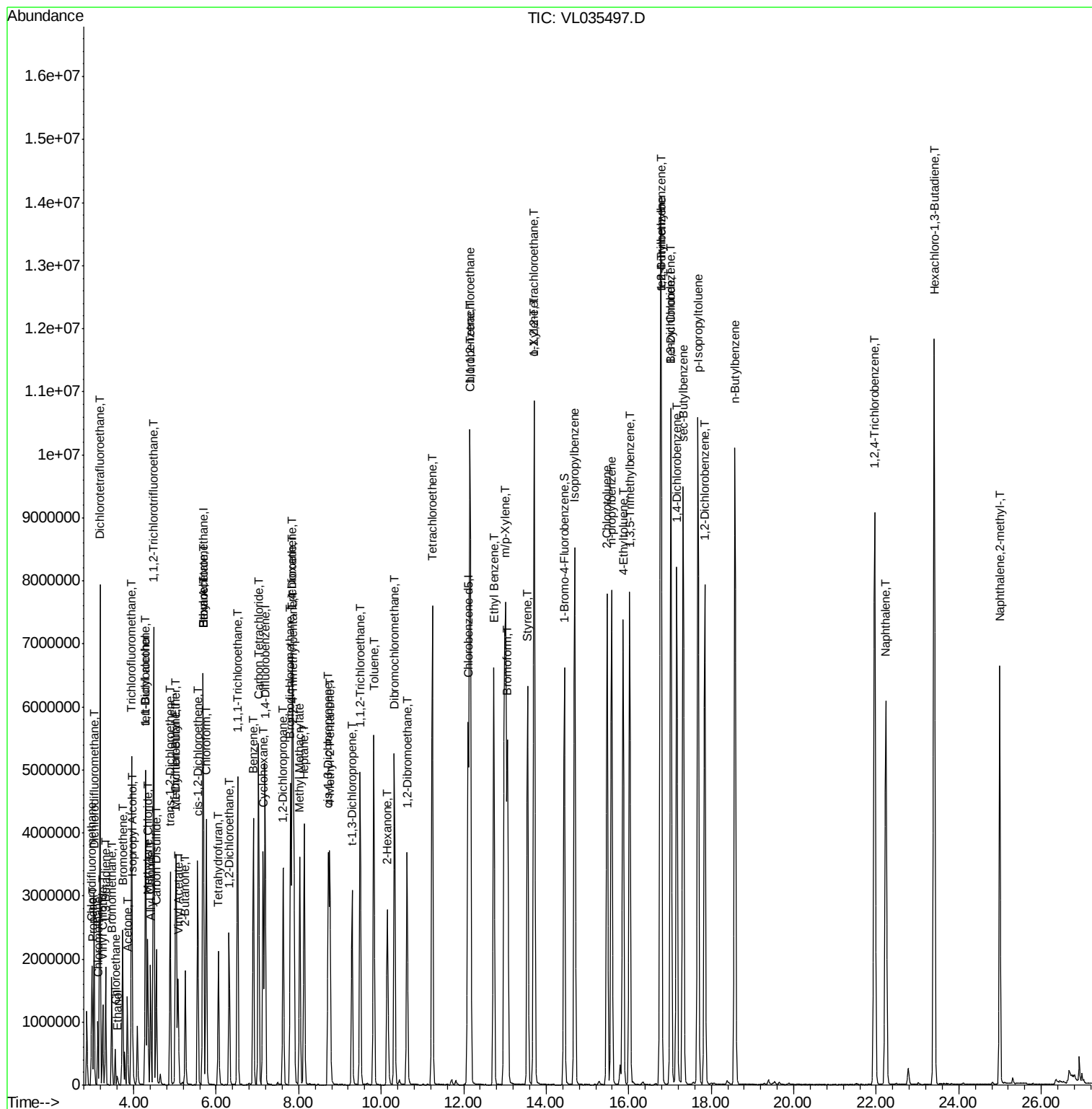
Quant Time: Aug 23 12:35:53 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL082320AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LSun Aug 23 10:33:49 2020
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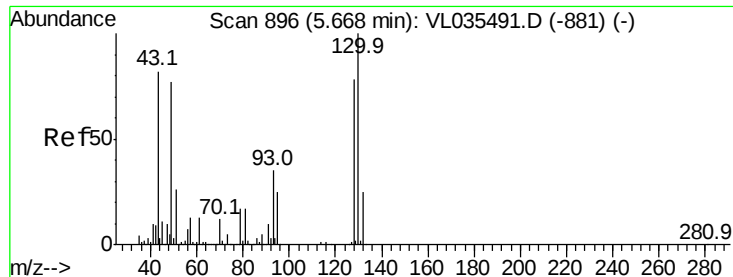
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	4924696	11.499	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	2027142	15.345	ppbv	99
46) cis-1,3-Dichloropropene	8.72	75	2343161	14.238	ppbv	100
47) 1,1,2-Trichloroethane	9.49	97	2035012	12.605	ppbv	99
48) Dibromochloromethane	10.32	129	3684817	13.606	ppbv	99
49) Bromoform	13.06	173	3623249	13.887	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	2696273	12.590	ppbv	99
51) 2-Hexanone	10.15	43	2364228	13.097	ppbv #	99
52) Tetrachloroethene	11.24	164	2330678	11.651	ppbv	98
53) Toluene	9.82	91	5104060	12.083	ppbv	98
54) 1,2-Dibromoethane	10.63	107	3293263	12.560	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.15	131	2850494	12.561	ppbv	98
57) Chlorobenzene	12.17	112	4435389	11.107	ppbv	99
58) Ethyl Benzene	12.73	91	6615854	11.456	ppbv	96
59) m/p-Xylene	13.02	91	6417675	13.146	ppbv #	45
60) o-Xylene	13.72	91	5485819	11.562	ppbv	98
61) Styrene	13.55	104	4677023	12.199	ppbv	98
62) Isopropylbenzene	14.69	105	8278682	10.646	ppbv	96
63) 1,1,2,2-Tetrachloroethane	13.70	83	3865394	11.341	ppbv	99
64) n-propylbenzene	15.59	120	2866950	11.961	ppbv	87
65) tert-Butylbenzene	16.77	119	7997175	10.583	ppbv	97
66) Benzyl Chloride	17.01	91	3186379	17.529	ppbv	99
67) sec-Butylbenzene	17.32	105	10031008	10.086	ppbv	96
69) p-Isopropyltoluene	17.68	119	9101814	10.314	ppbv	95
70) n-Butylbenzene	18.58	91	8711404	10.451	ppbv	97
71) 2-Chlorotoluene	15.48	91	6471230	11.469	ppbv	97
72) 4-Ethyltoluene	15.86	105	7065112	11.346	ppbv	97
73) 1,3,5-Trimethylbenzene	16.02	105	6612021	11.412	ppbv	97
74) 1,2,4-Trimethylbenzene	16.79	105	6744682	10.714	ppbv	99
75) 1,3-Dichlorobenzene	17.02	146	5153405	10.599	ppbv	99
76) 1,4-Dichlorobenzene	17.17	146	5248318	10.953	ppbv	98
77) 1,2-Dichlorobenzene	17.84	146	5144496	10.802	ppbv	98
78) Hexachloro-1,3-Butadiene	23.41	225	3455780	9.177	ppbv	99
79) Naphthalene	22.24	128	9125787	10.294	ppbv	96
80) Naphthalene,2-methyl-	24.99	142	4276646	11.673	ppbv	99
81) 1,2,4-Trichlorobenzene	21.96	180	5389573	10.085	ppbv	100

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

ALS Vial : 1 Sample Multiplier: 1

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 897

Delta R.T. 0.00 min

Lab File: VL035497.D

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Instrument :

MSVOA_L

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VSTDIC015

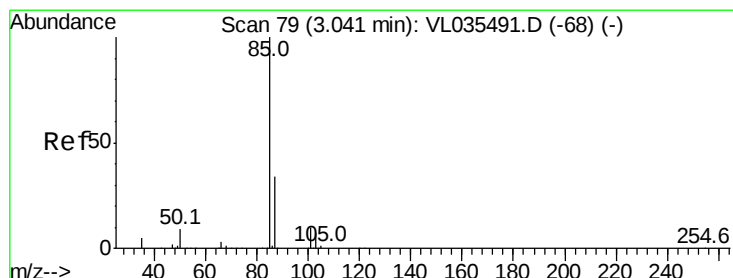
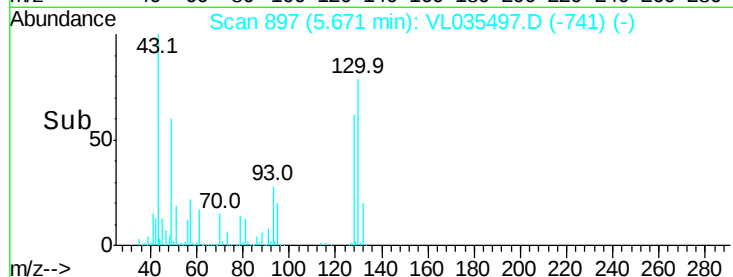
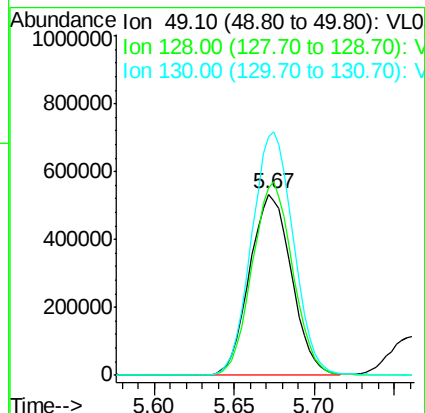
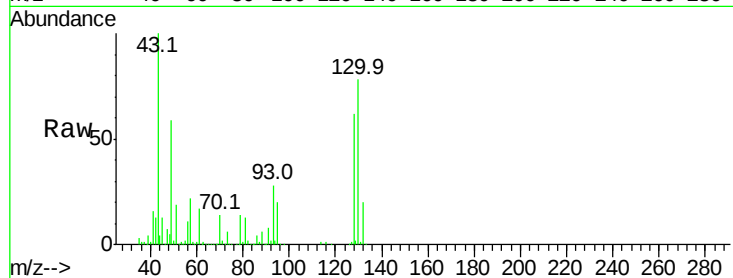
Tgt Ion: 49 Resp: 957516

Ion Ratio Lower Upper

49 100

128 104.0 51.6 154.9

130 134.5 66.1 198.4



#2

Dichlorodifluoromethane

Concen: 11.708 ppbv

RT: 3.04 min Scan# 79

Delta R.T. -0.00 min

Lab File: VL035497.D

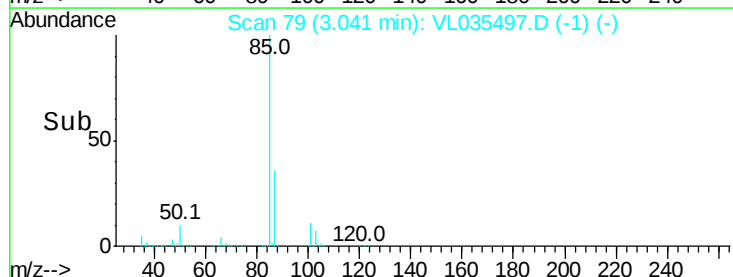
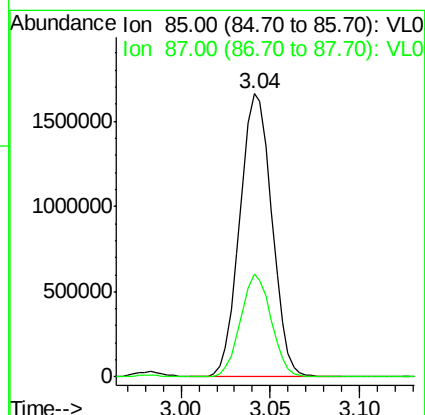
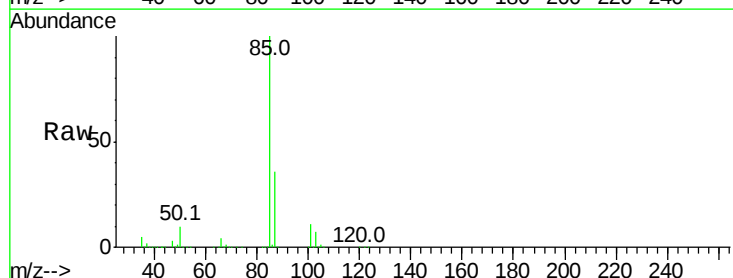
Acq: 23 Aug 2020 12:04

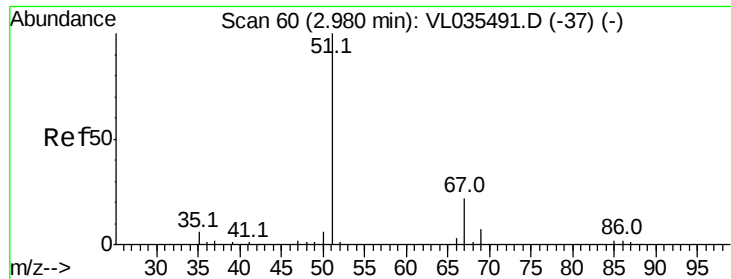
Tgt Ion: 85 Resp: 2077902

Ion Ratio Lower Upper

85 100

87 36.2 27.3 40.9

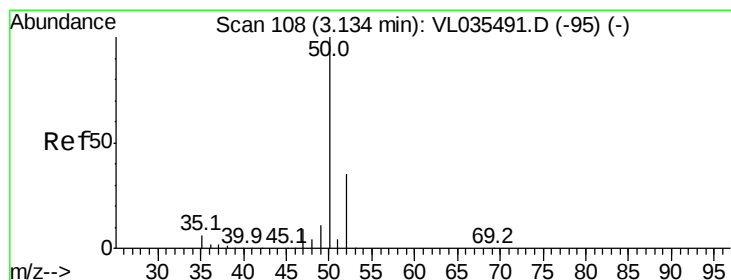
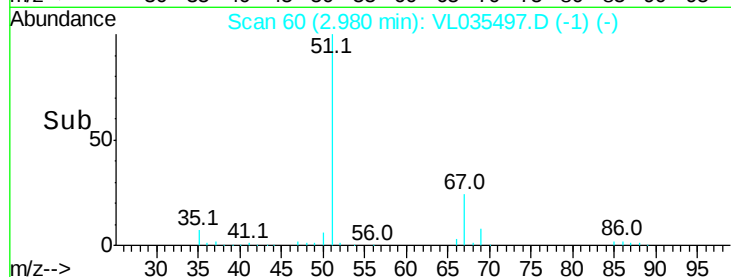
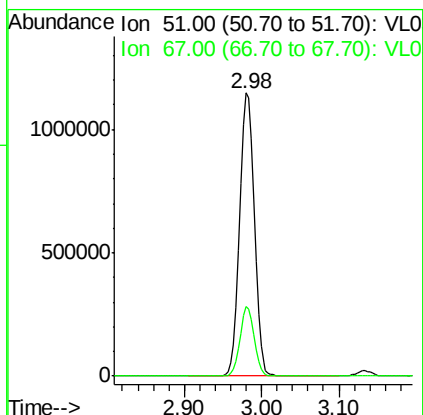
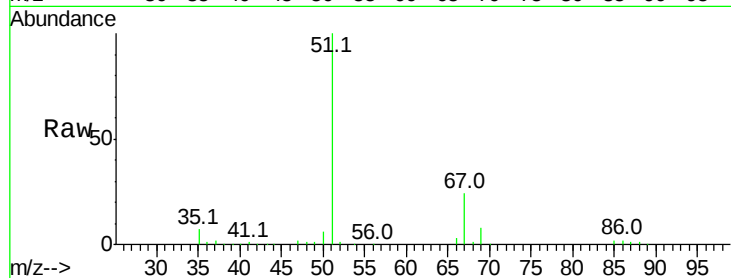




#3
Chlorodifluoromethane
Concen: 12.439 ppbv
RT: 2.98 min Scan# 60
Delta R.T. -0.00 min
Lab File: VL035497.D
Acq: 23 Aug 2020 12:04

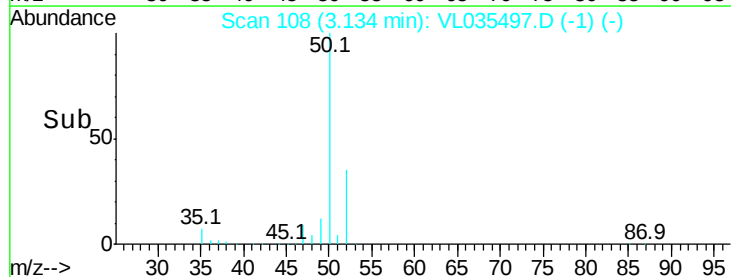
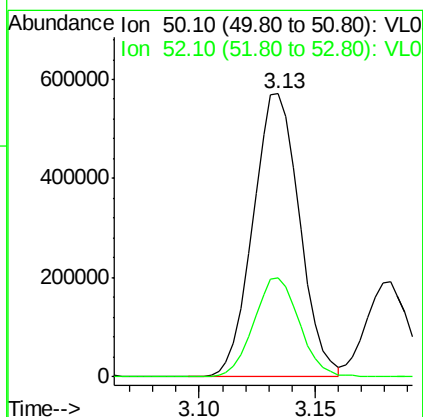
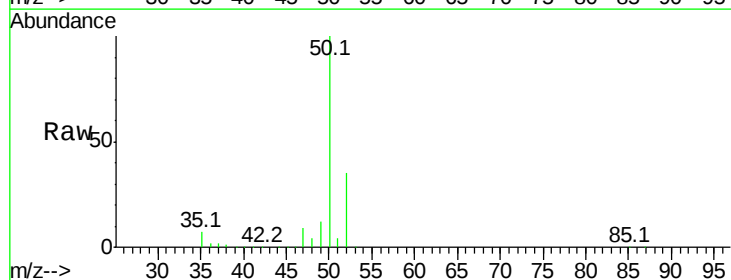
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

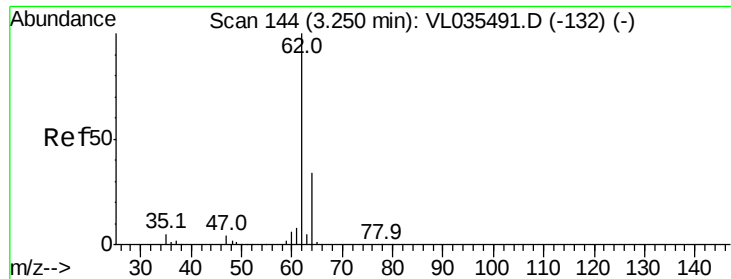
Tgt Ion: 51 Resp: 1493314
Ion Ratio Lower Upper
51 100
67 23.4 17.9 26.9



#4
Chloromethane
Concen: 12.758 ppbv
RT: 3.13 min Scan# 108
Delta R.T. -0.00 min
Lab File: VL035497.D
Acq: 23 Aug 2020 12:04

Tgt Ion: 50 Resp: 797948
Ion Ratio Lower Upper
50 100
52 35.1 28.2 42.2





#5

Vinyl Chloride

Concen: 12.858 ppbv

RT: 3.25 min Scan# 144

Delta R.T. -0.00 min

Lab File: VL035497.D

Acq: 23 Aug 2020 12:04

Instrument :

MSVOA_L

ClientSampleId :

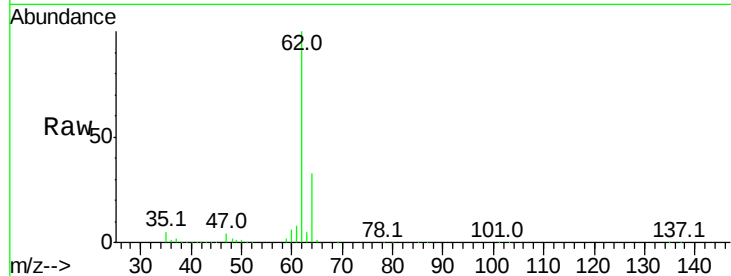
VSTDIC015

Tgt Ion: 62 Resp: 961097

Ion Ratio Lower Upper

62 100

64 33.4 27.1 40.7



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.25

800000

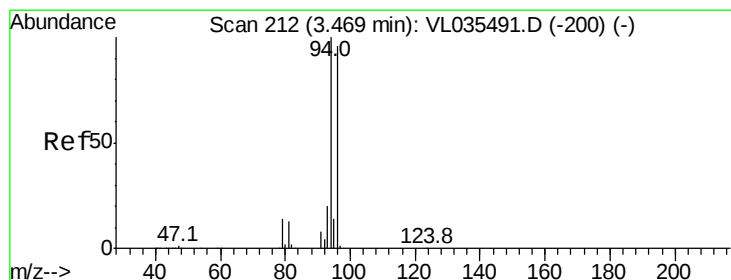
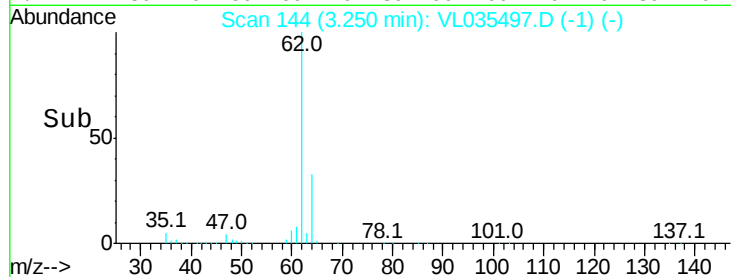
600000

400000

200000

0

Time-->



#6

Bromomethane

Concen: 13.225 ppbv

RT: 3.47 min Scan# 212

Delta R.T. -0.00 min

Lab File: VL035497.D

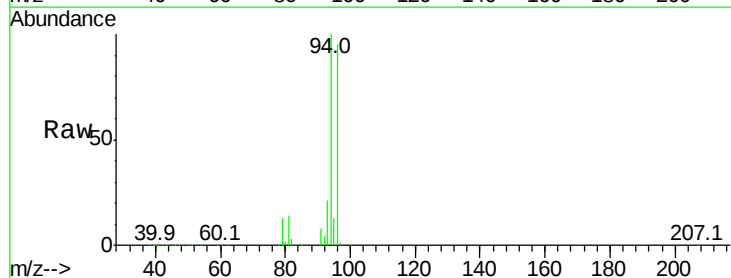
Acq: 23 Aug 2020 12:04

Tgt Ion: 94 Resp: 864575

Ion Ratio Lower Upper

94 100

96 94.5 76.6 115.0



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.47

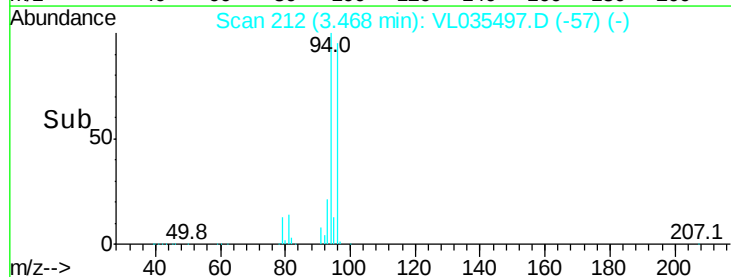
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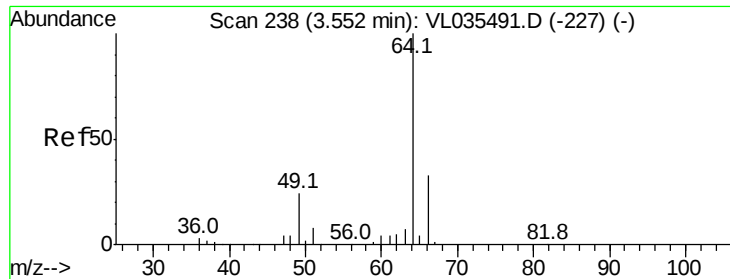
400000

200000

0

Time-->





#7

Chloroethane

Concen: 13.143 ppbv

RT: 3.55 min Scan# 238

Delta R.T. -0.00 min

Lab File: VL035497.D

Acq: 23 Aug 2020 12:04

Instrument :

MSVOA_L

ClientSampleId :

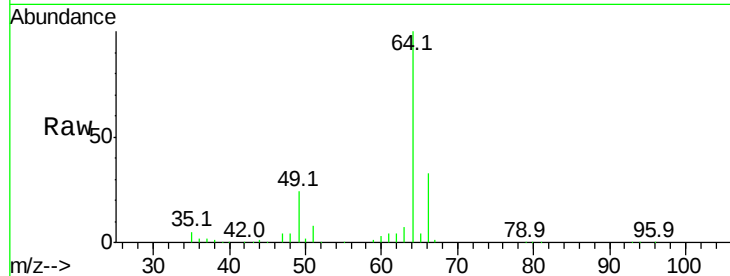
VSTDIC015

Tgt Ion: 64 Resp: 361918

Ion Ratio Lower Upper

64 100

66 33.3 26.2 39.2



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.55

250000

200000

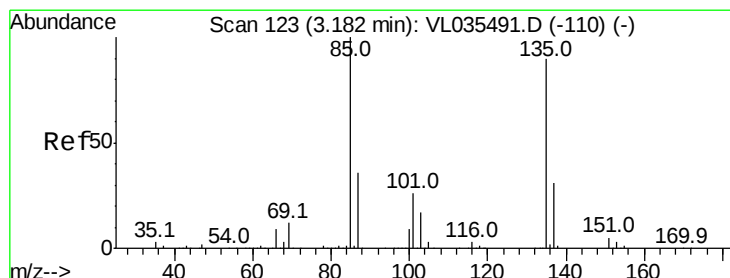
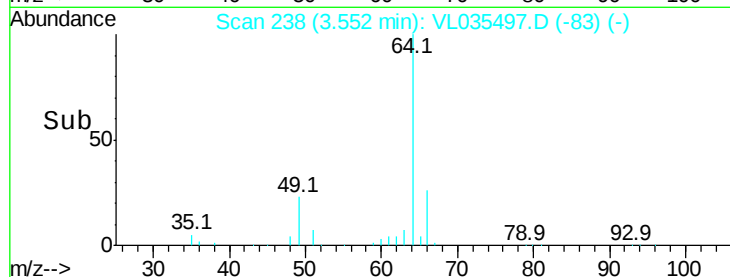
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 11.680 ppbv

RT: 3.18 min Scan# 123

Delta R.T. -0.00 min

Lab File: VL035497.D

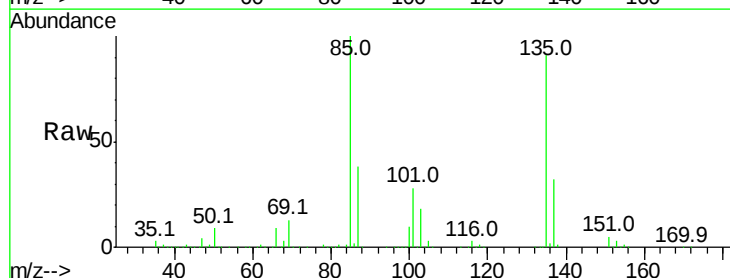
Acq: 23 Aug 2020 12:04

Tgt Ion: 85 Resp: 2654074

Ion Ratio Lower Upper

85 100

135 90.2 71.8 107.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.18

2000000

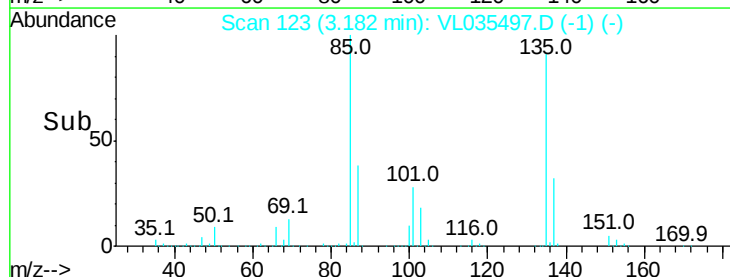
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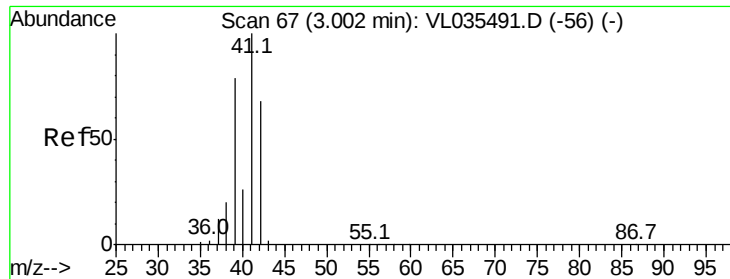
1000000

500000

0

Time-->





#9

Propene

Concen: 12.040 ppbv

RT: 3.00 min Scan# 67

Delta R.T. -0.00 min

Lab File: VL035497.D

Acq: 23 Aug 2020 12:04

Instrument :

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ClientSampleId :

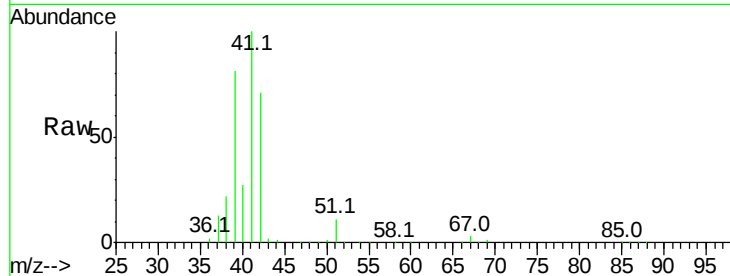
VSTDIC015

Tgt Ion: 41 Resp: 581009

Ion Ratio Lower Upper

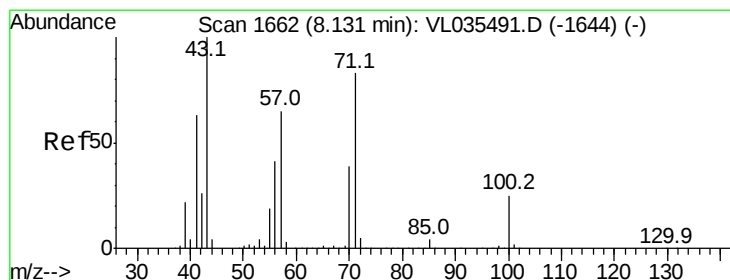
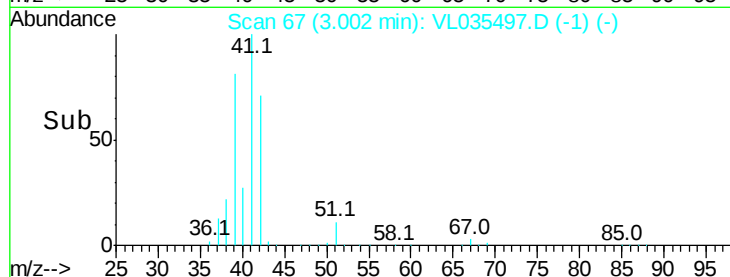
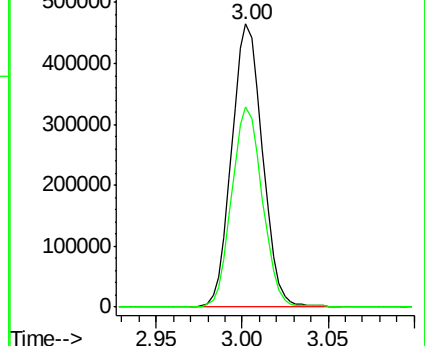
41 100

42 70.6 55.3 82.9



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 12.690 ppbv

RT: 8.13 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VL035497.D

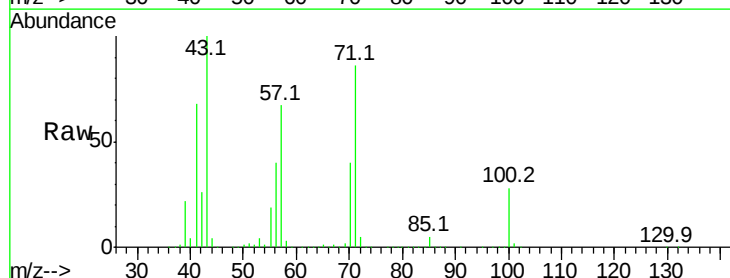
Acq: 23 Aug 2020 12:04

Tgt Ion: 43 Resp: 1605600

Ion Ratio Lower Upper

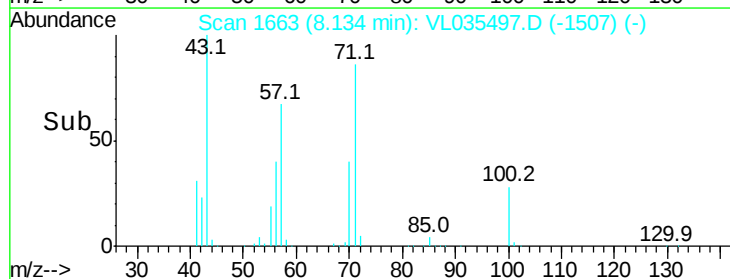
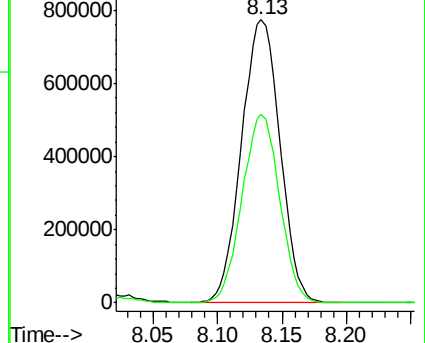
43 100

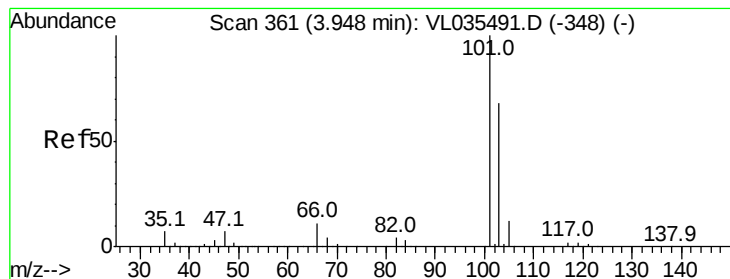
57 65.4 51.4 77.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#11

Trichlorofluoromethane

Concen: 12.229 ppbv

RT: 3.95 min Scan# 361

Delta R.T. -0.00 min

Lab File: VL035497.D

Acq: 23 Aug 2020 12:04

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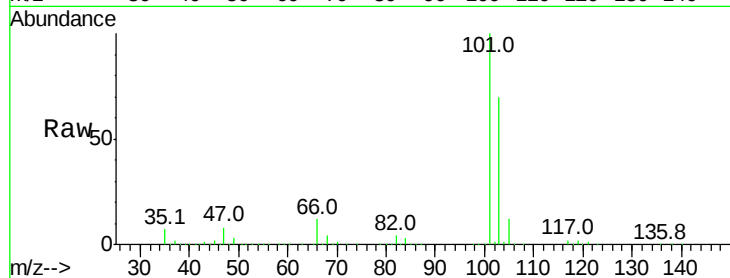
VSTDIC015

Tgt Ion:101 Resp: 3405448

Ion Ratio Lower Upper

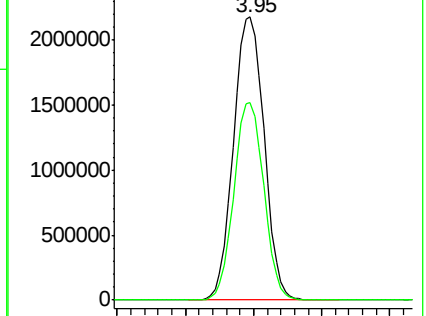
101 100

103 69.9 54.4 81.6

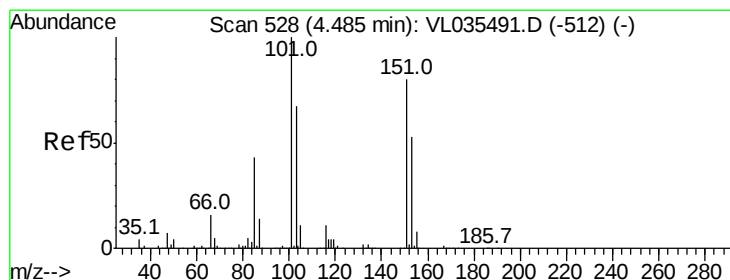
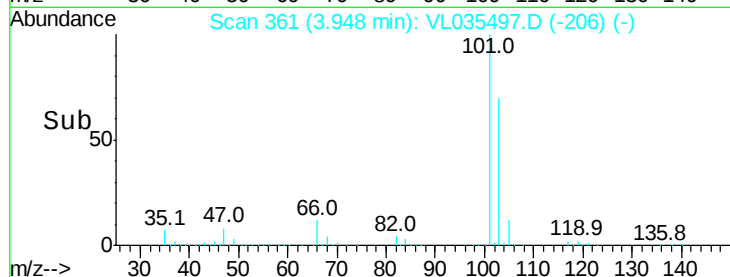


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



Time--> 3.85 3.90 3.95 4.00 4.05



#12

1,1,2-Trichlorotrifluoroethane

Concen: 12.592 ppbv

RT: 4.48 min Scan# 528

Delta R.T. -0.00 min

Lab File: VL035497.D

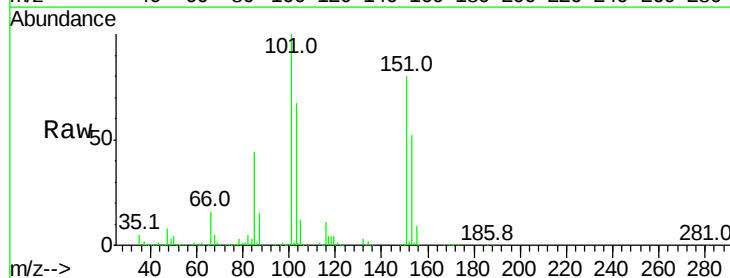
Acq: 23 Aug 2020 12:04

Tgt Ion:101 Resp: 2612902

Ion Ratio Lower Upper

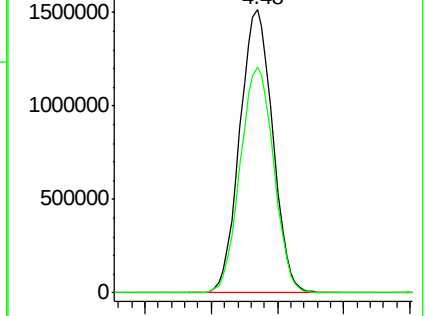
101 100

151 81.4 64.1 96.1

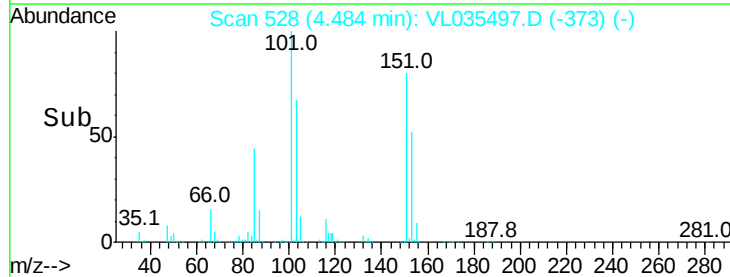


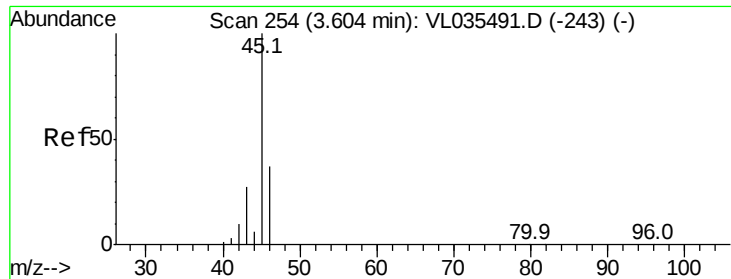
Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V



Time--> 4.40 4.45 4.50 4.55





#13

Ethanol

Concen: 8.398 ppbv

RT: 3.60 min Scan# 254

Delta R.T. -0.00 min

Lab File: VL035497.D

Acq: 23 Aug 2020 12:04

Instrument :

MSVOA_L

ClientSampleId :

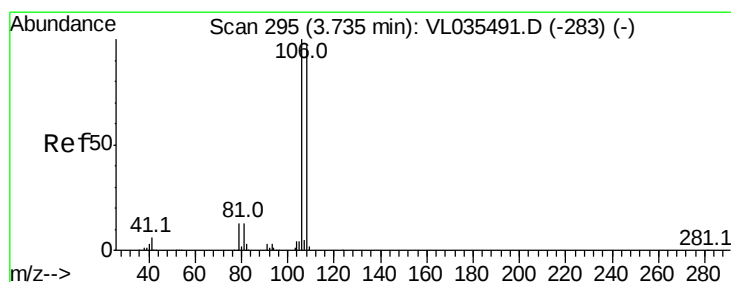
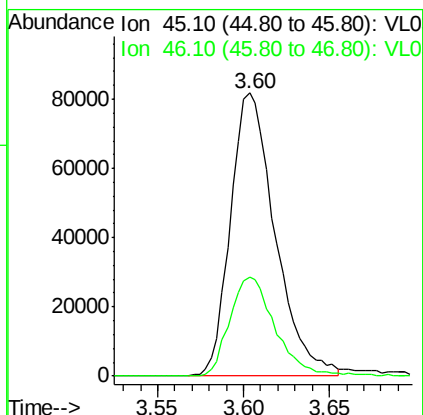
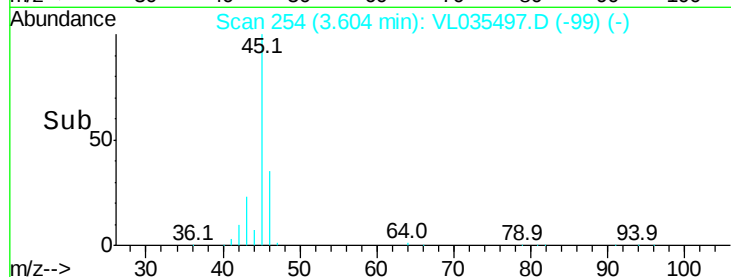
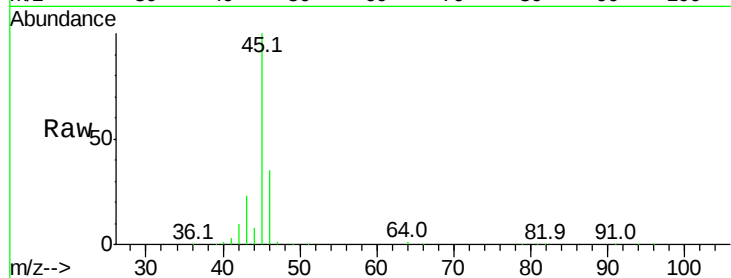
VSTDIC015

Tgt Ion: 45 Resp: 148480

Ion Ratio Lower Upper

45 100

46 35.9 14.4 57.6



#14

Bromoethene

Concen: 13.197 ppbv

RT: 3.74 min Scan# 295

Delta R.T. -0.00 min

Lab File: VL035497.D

Acq: 23 Aug 2020 12:04

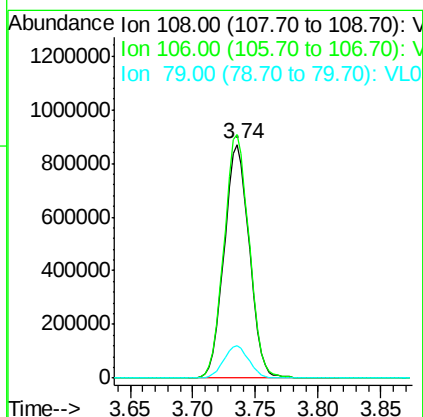
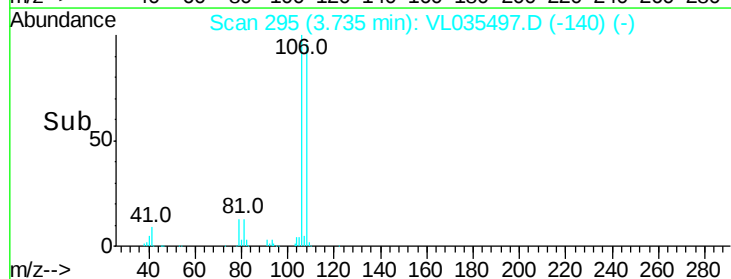
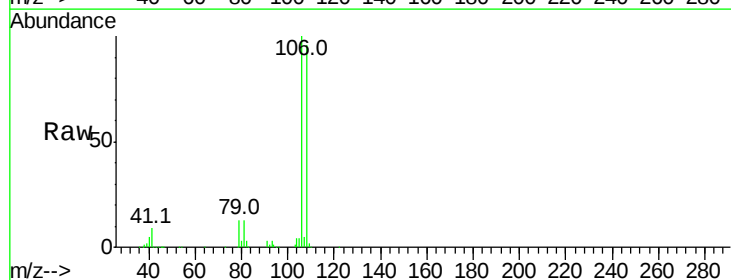
Tgt Ion: 108 Resp: 1210202

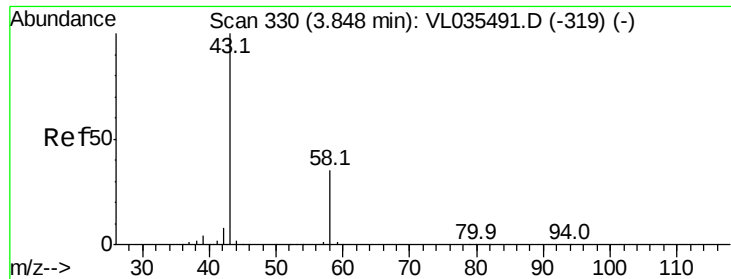
Ion Ratio Lower Upper

108 100

106 104.9 83.6 125.4

79 14.0 10.7 16.1





#15

Acetone

Concen: 11.718 ppbv

RT: 3.85 min Scan# 330

Delta R.T. -0.00 min

Lab File: VL035497.D

Acq: 23 Aug 2020 12:04

Instrument :

MSVOA_L

ClientSampleId :

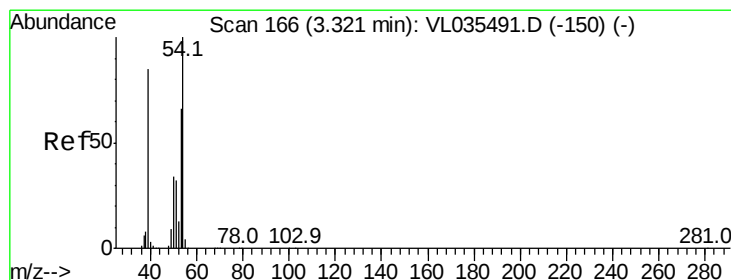
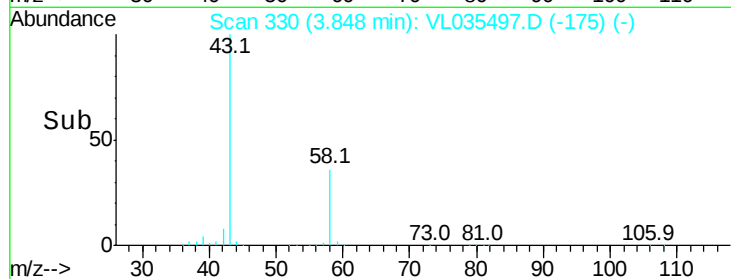
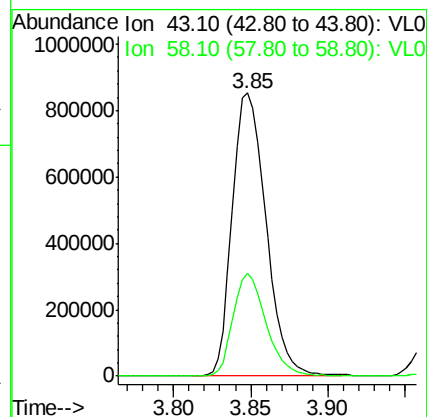
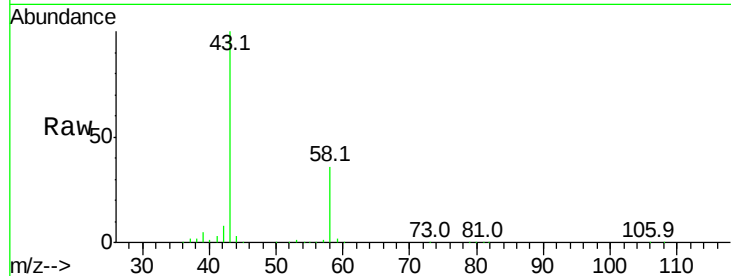
VSTDIC015

Tgt Ion: 43 Resp: 1291419

Ion Ratio Lower Upper

43 100

58 35.5 27.8 41.6



#16

1,3-Butadiene

Concen: 13.232 ppbv

RT: 3.32 min Scan# 166

Delta R.T. -0.00 min

Lab File: VL035497.D

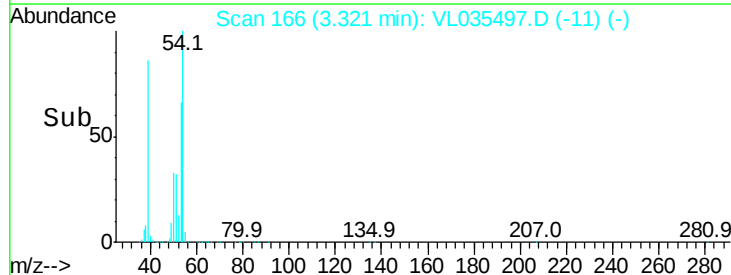
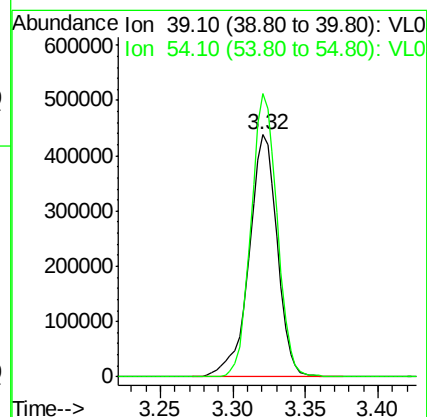
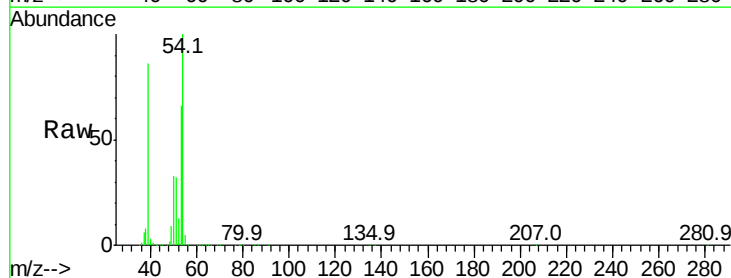
Acq: 23 Aug 2020 12:04

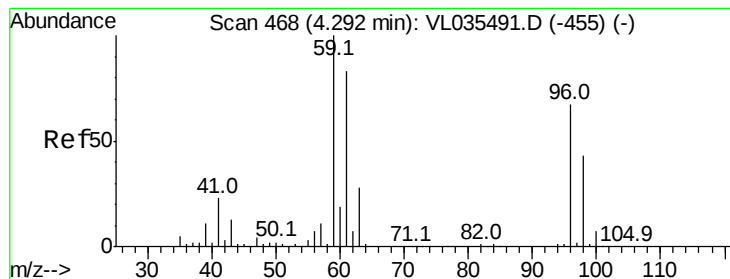
Tgt Ion: 39 Resp: 591395

Ion Ratio Lower Upper

39 100

54 109.4 89.3 133.9





#17

tert-Butyl alcohol

Concen: 13.007 ppbv

RT: 4.29 min Scan# 469

Delta R.T. 0.00 min

Lab File: VL035497.D

Acq: 23 Aug 2020 12:04

Instrument :

MSVOA_L

ClientSampleId :

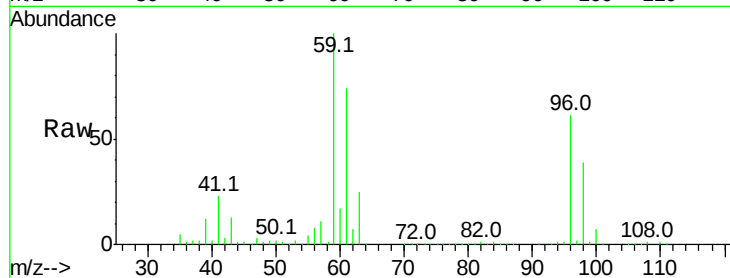
VSTDIC015

Tgt Ion: 59 Resp: 1852856

Ion Ratio Lower Upper

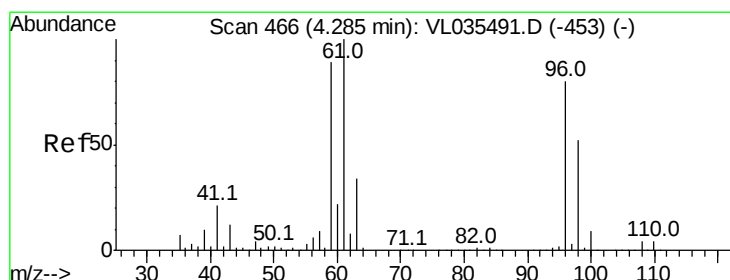
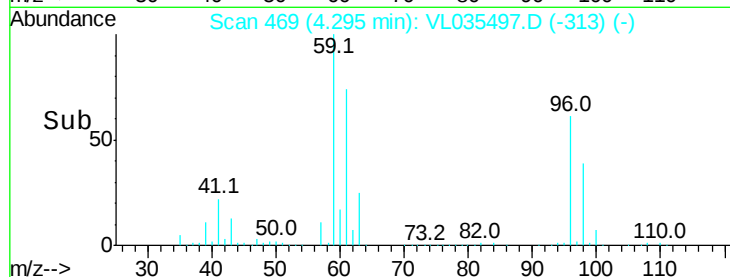
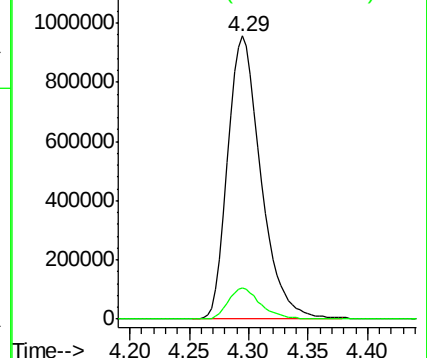
59 100

57 10.6 8.4 12.6



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#18

1,1-Dichloroethene

Concen: 13.361 ppbv

RT: 4.29 min Scan# 466

Delta R.T. -0.00 min

Lab File: VL035497.D

Acq: 23 Aug 2020 12:04

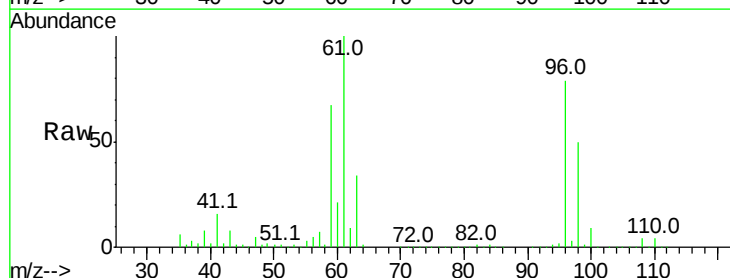
Tgt Ion: 96 Resp: 1224194

Ion Ratio Lower Upper

96 100

61 127.0 99.9 149.9

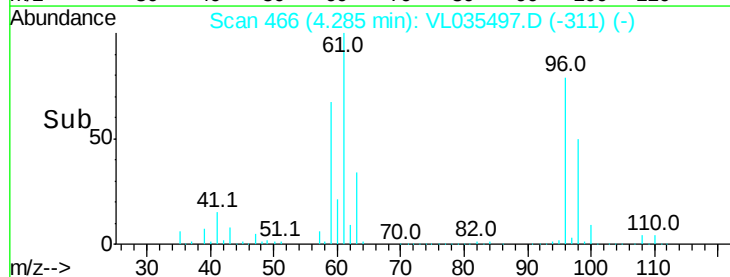
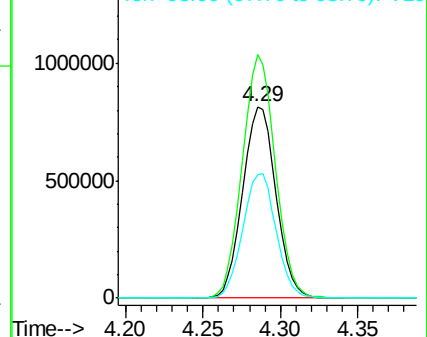
98 64.1 52.2 78.4

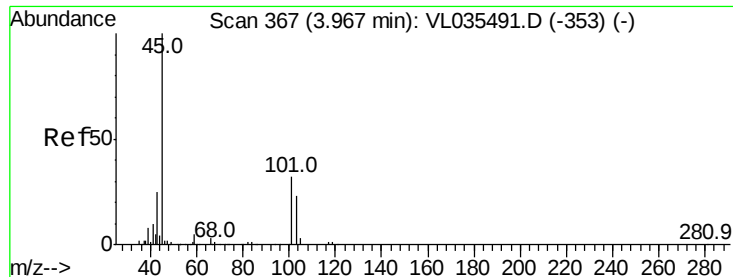


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



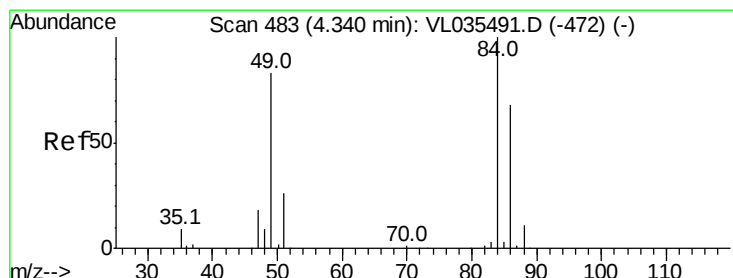
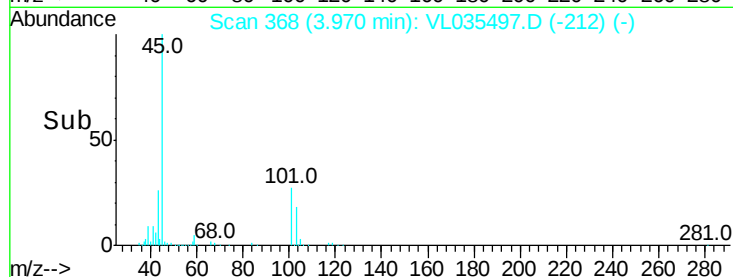
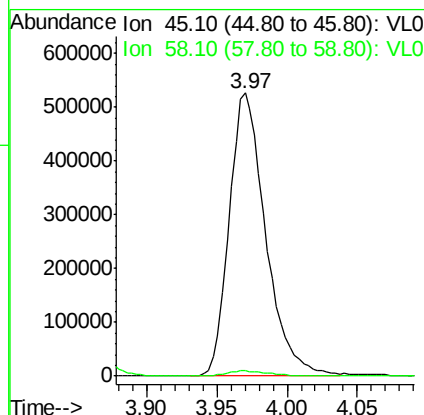
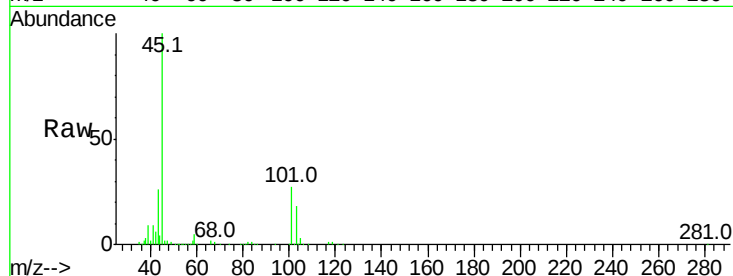


#19

Isopropyl Alcohol
 Concen: 12.499 ppbv
 RT: 3.97 min Scan# 368
 Delta R.T. 0.00 min
 Lab File: VL035497.D
 Acq: 23 Aug 2020 12:04

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

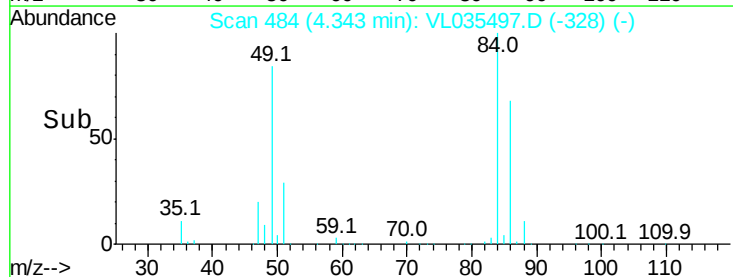
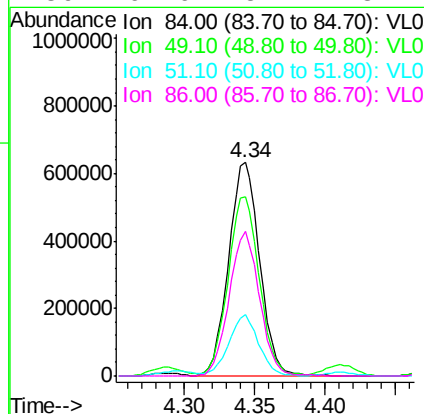
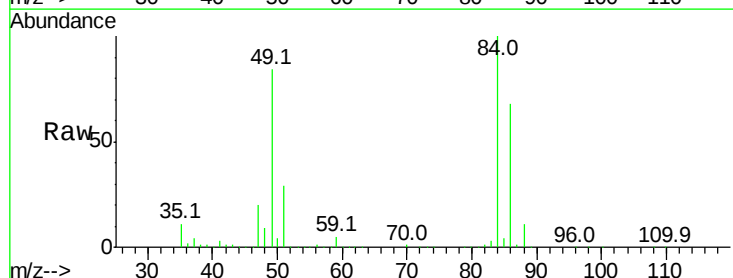
Tgt Ion: 45 Resp: 949460
 Ion Ratio Lower Upper
 45 100
 58 2.6 1.8 2.8

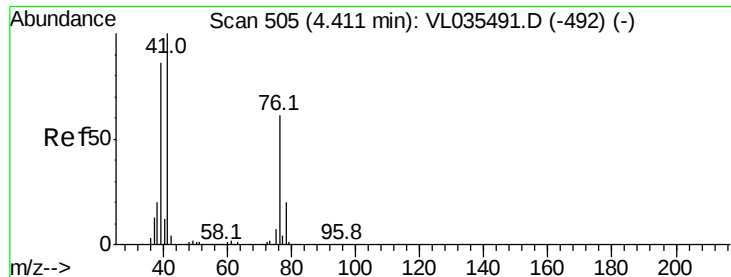


#20

Methylene Chloride
 Concen: 10.887 ppbv
 RT: 4.34 min Scan# 484
 Delta R.T. 0.00 min
 Lab File: VL035497.D
 Acq: 23 Aug 2020 12:04

Tgt Ion: 84 Resp: 968088
 Ion Ratio Lower Upper
 84 100
 49 83.1 66.3 99.5
 51 27.2 21.1 31.7
 86 67.6 54.2 81.4





#21

Allyl Chloride

Concen: 14.069 ppbv

RT: 4.41 min Scan# 505

Delta R.T. -0.00 min

Lab File: VL035497.D

Acq: 23 Aug 2020 12:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

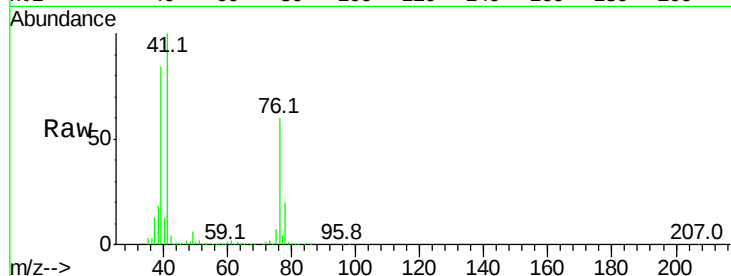
Tgt Ion: 41 Resp: 787942

Ion Ratio Lower Upper

41 100

76 60.1 47.3 70.9

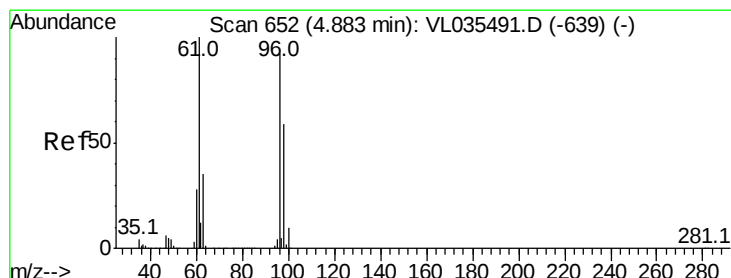
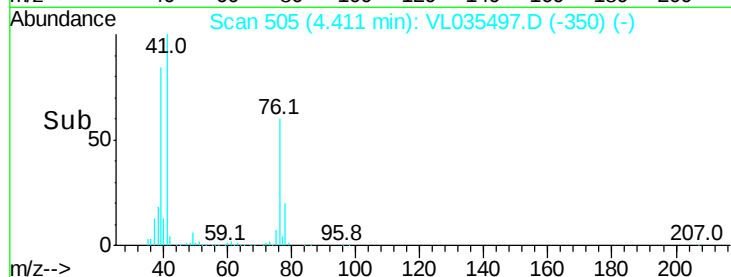
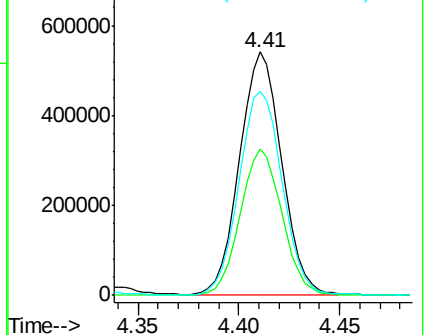
39 87.0 69.0 103.4



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: 13.261 ppbv

RT: 4.89 min Scan# 653

Delta R.T. 0.00 min

Lab File: VL035497.D

Acq: 23 Aug 2020 12:04

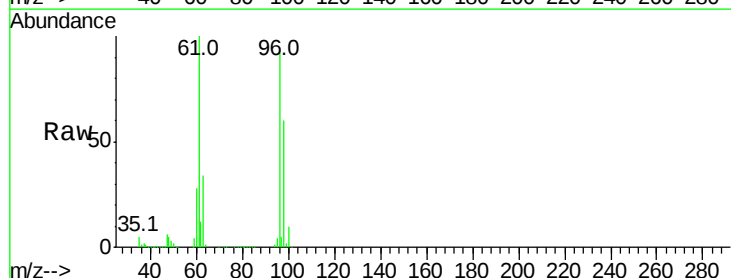
Tgt Ion: 96 Resp: 1296689

Ion Ratio Lower Upper

96 100

61 108.3 86.5 129.7

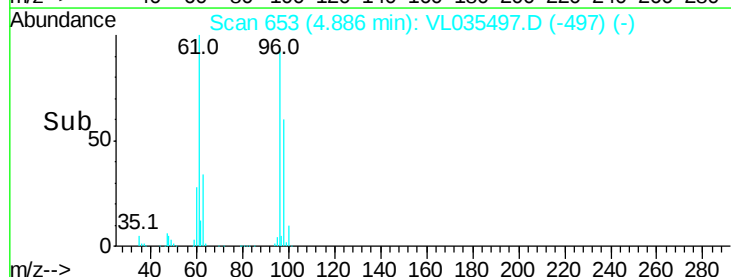
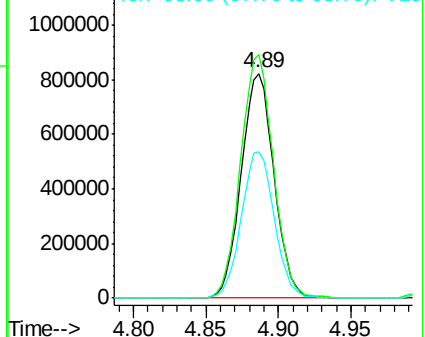
98 65.3 51.4 77.2

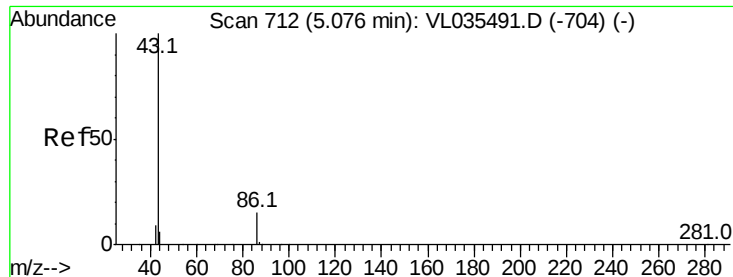


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 13.240 ppbv

RT: 5.08 min Scan# 712

Delta R.T. -0.00 min

Lab File: VL035497.D

Acq: 23 Aug 2020 12:04

Instrument :

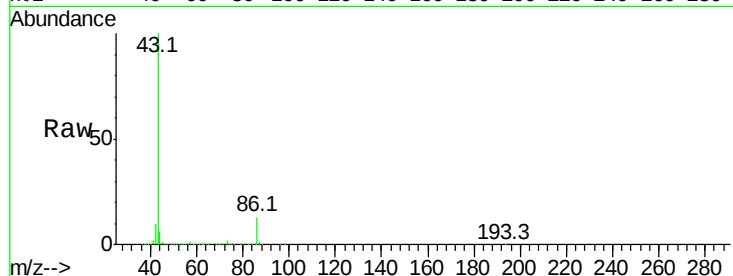
MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 43 Resp: 2085911

Ion	Ratio	Lower	Upper
43	100		
86	13.3	10.9	16.3
42	10.1	7.8	11.8
44	5.4	4.4	6.6

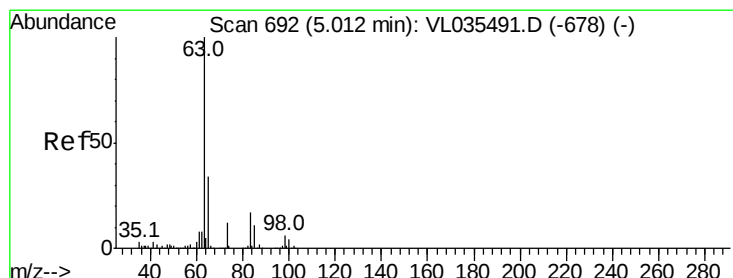
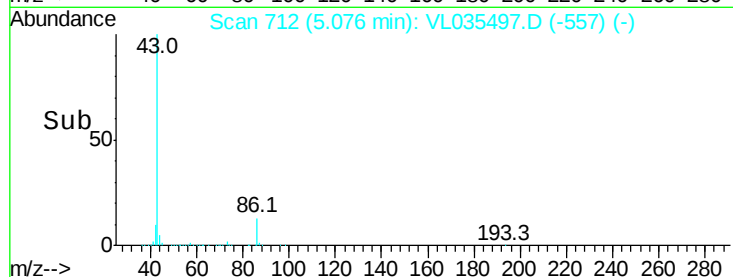


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 12.664 ppbv

RT: 5.02 min Scan# 693

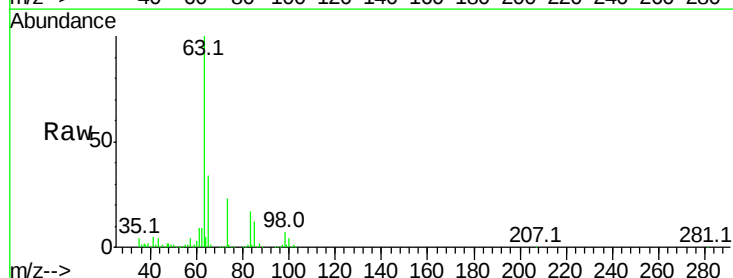
Delta R.T. 0.00 min

Lab File: VL035497.D

Acq: 23 Aug 2020 12:04

Tgt Ion: 63 Resp: 1991174

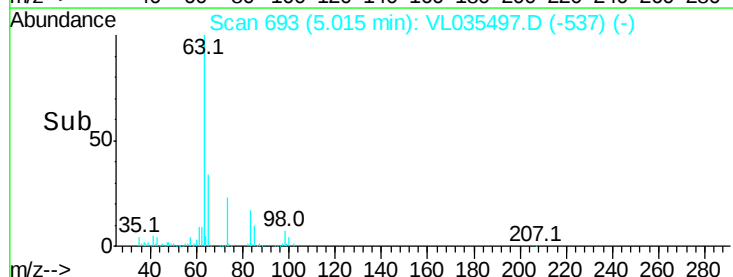
Ion	Ratio	Lower	Upper
63	100		
98	6.7	3.1	9.4
100	4.0	2.0	6.0

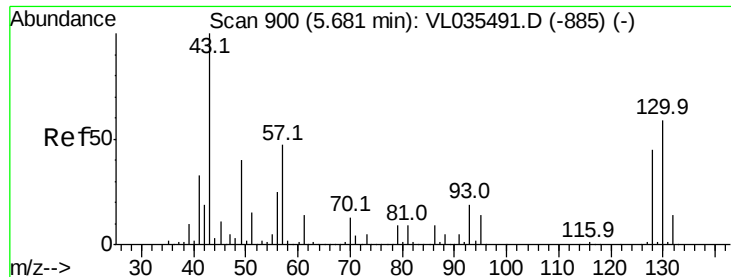


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 11.912 ppbv

RT: 5.68 min Scan# 900

Delta R.T. -0.00 min

Lab File: VL035497.D

Acq: 23 Aug 2020 12:04

Instrument :

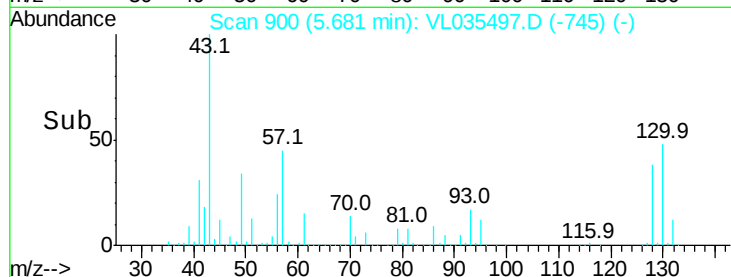
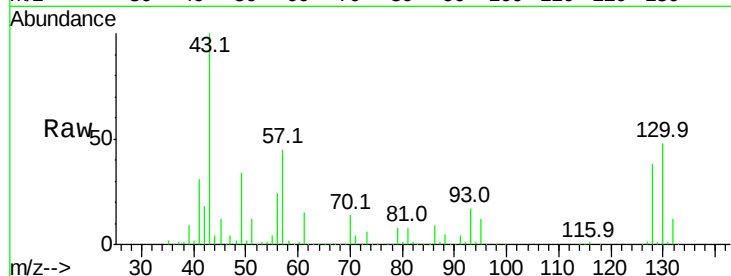
MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 43 Resp: 2554667

Ion	Ratio	Lower	Upper
43	100		
45	10.8	8.4	12.6
61	13.7	10.6	16.0
70	12.4	9.4	14.2



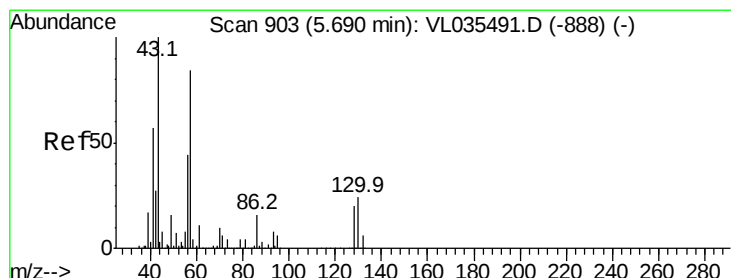
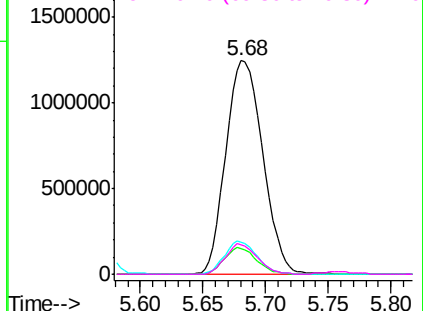
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 12.159 ppbv

RT: 5.69 min Scan# 903

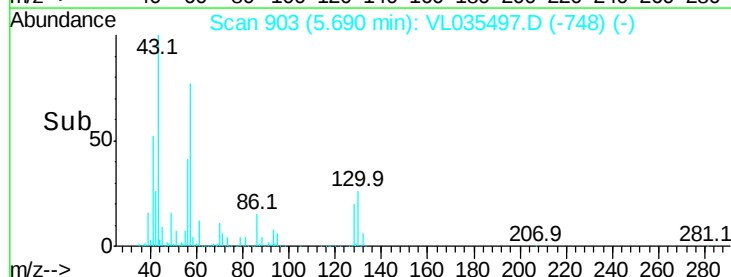
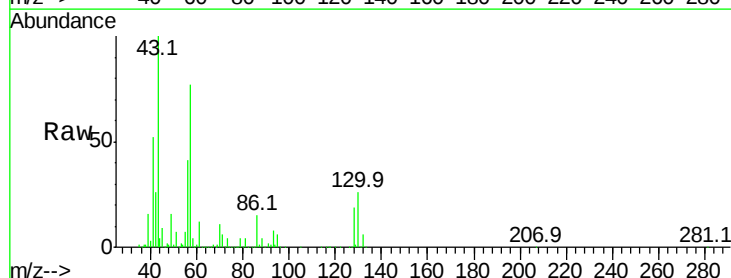
Delta R.T. -0.00 min

Lab File: VL035497.D

Acq: 23 Aug 2020 12:04

Tgt Ion: 57 Resp: 1471507

Ion	Ratio	Lower	Upper
57	100		
41	70.3	56.7	85.1
43	174.2	141.9	212.9
56	52.5	41.9	62.9



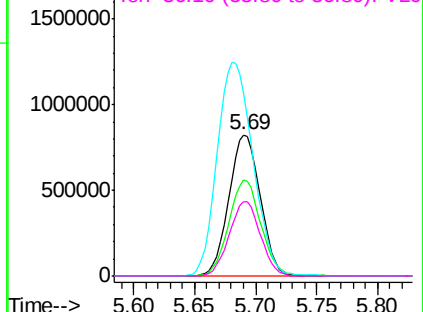
Abundance

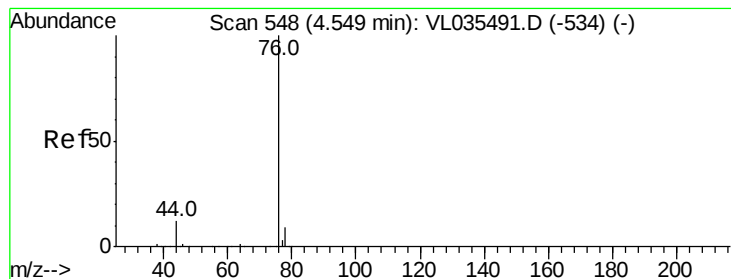
Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 14.599 ppbv

RT: 4.55 min Scan# 548

Delta R.T. -0.00 min

Lab File: VL035497.D

Acq: 23 Aug 2020 12:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

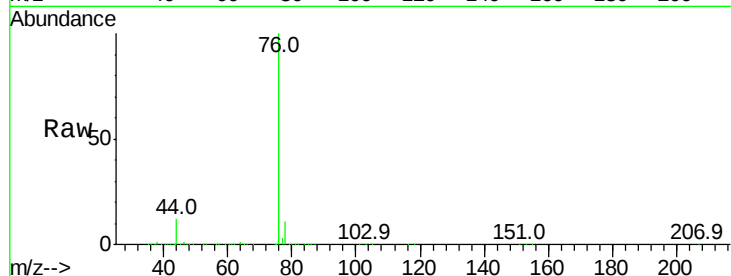
Tgt Ion: 76 Resp: 2554050

Ion Ratio Lower Upper

76 100

44 11.7 9.2 13.8

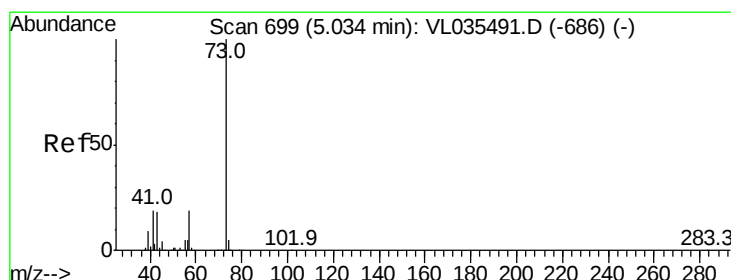
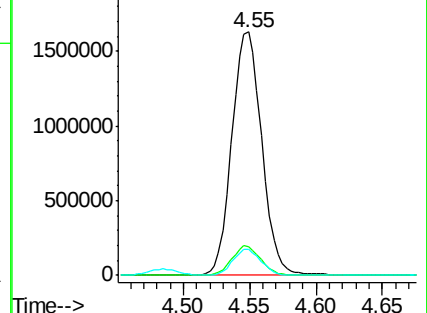
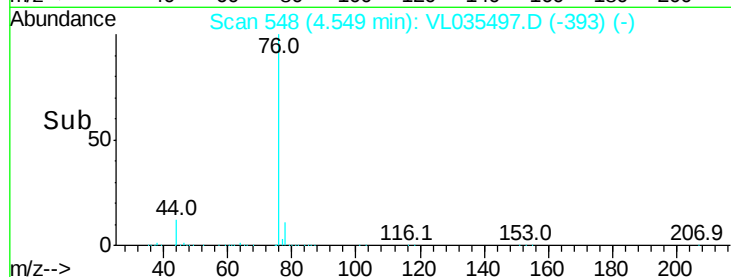
78 10.1 7.8 11.8



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: 12.492 ppbv

RT: 5.03 min Scan# 699

Delta R.T. -0.00 min

Lab File: VL035497.D

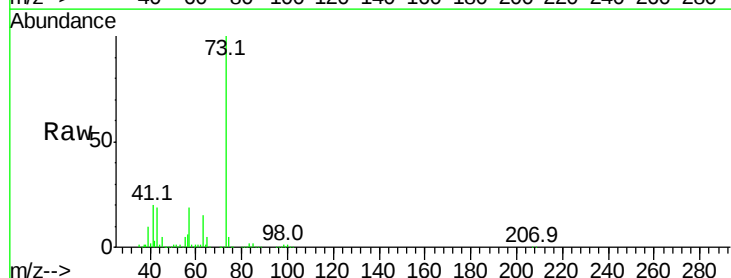
Acq: 23 Aug 2020 12:04

Tgt Ion: 73 Resp: 2761697

Ion Ratio Lower Upper

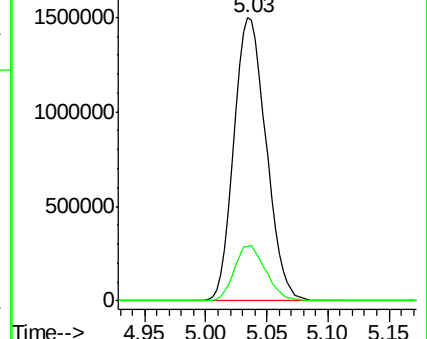
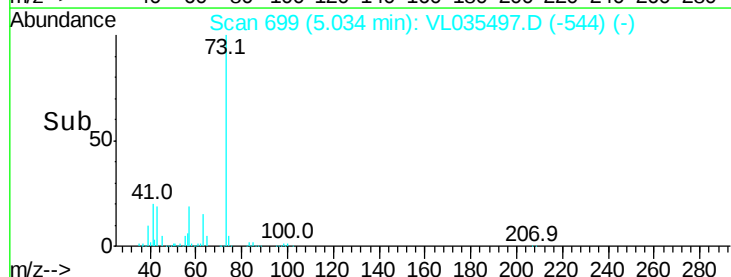
73 100

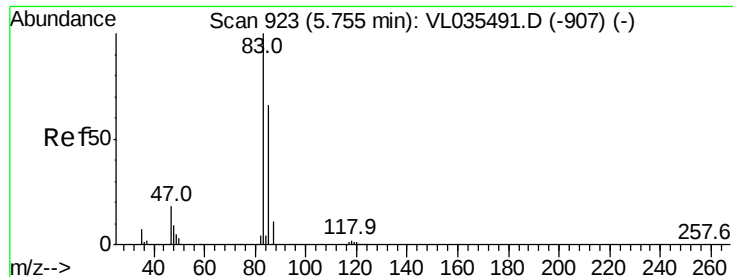
57 19.1 15.1 22.7



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 12.799 ppbv

RT: 5.76 min Scan# 924

Delta R.T. 0.00 min

Lab File: VL035497.D

Acq: 23 Aug 2020 12:04

Instrument :

MSVOA_L

ClientSampleId :

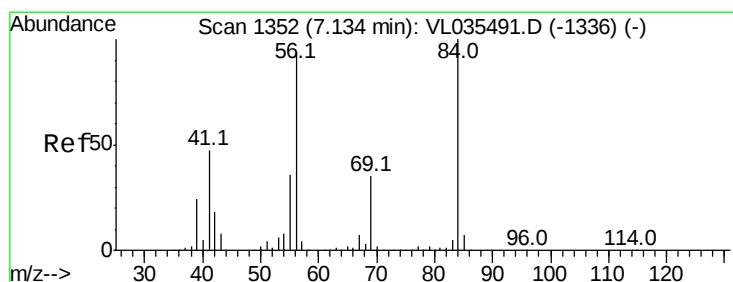
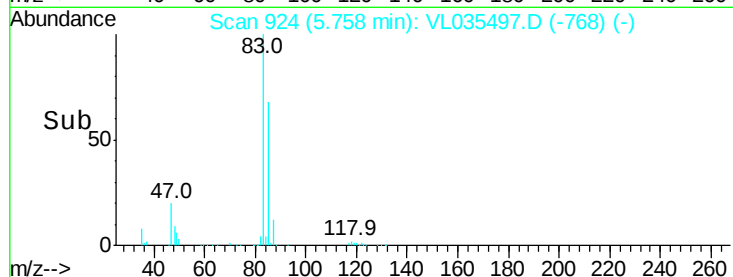
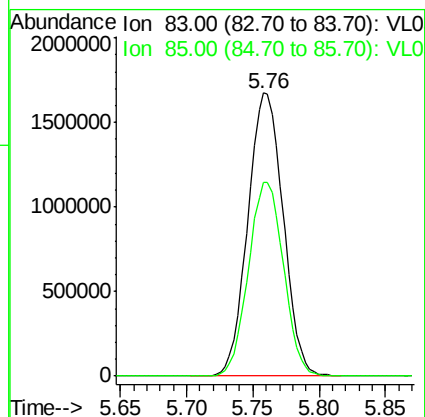
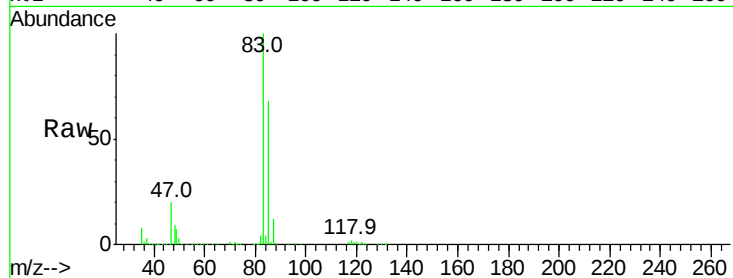
VSTDIC015

Tgt Ion: 83 Resp: 3112351

Ion Ratio Lower Upper

83 100

85 68.2 53.1 79.7



#30

Cyclohexane

Concen: 13.207 ppbv

RT: 7.14 min Scan# 1353

Delta R.T. 0.00 min

Lab File: VL035497.D

Acq: 23 Aug 2020 12:04

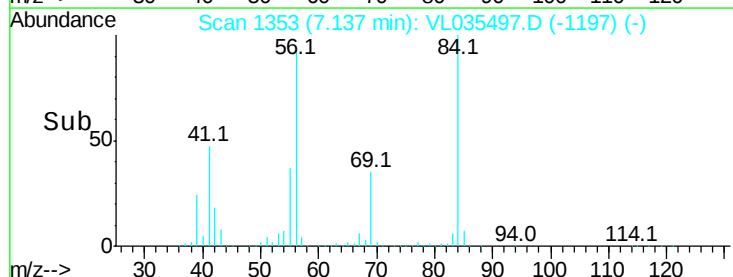
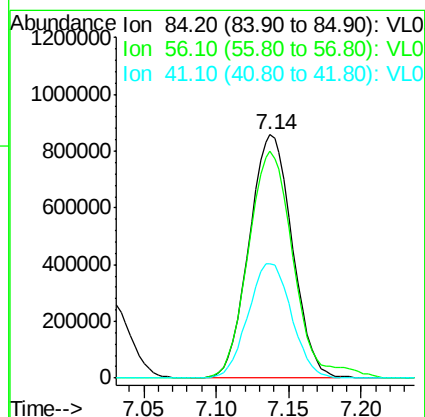
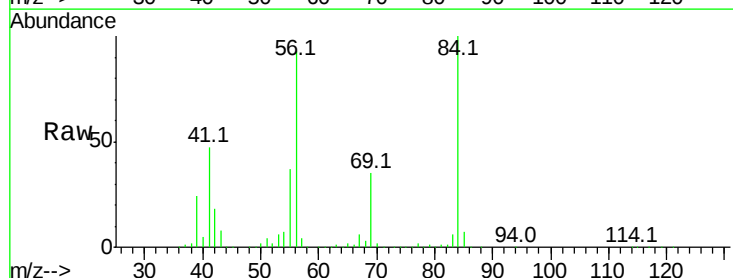
Tgt Ion: 84 Resp: 1773318

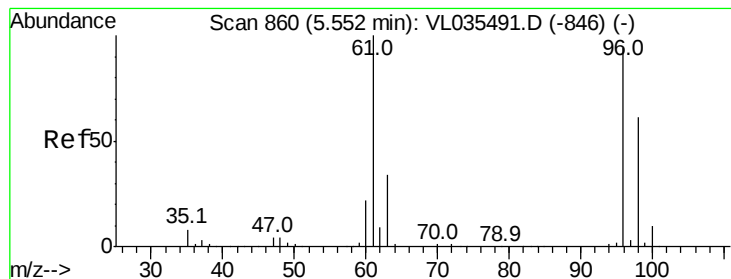
Ion Ratio Lower Upper

84 100

56 97.8 79.9 119.9

41 47.4 37.6 56.4





#31

cis-1,2-Dichloroethene

Concen: 13.144 ppbv

RT: 5.55 min Scan# 860

Delta R.T. -0.00 min

Lab File: VL035497.D

Acq: 23 Aug 2020 12:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

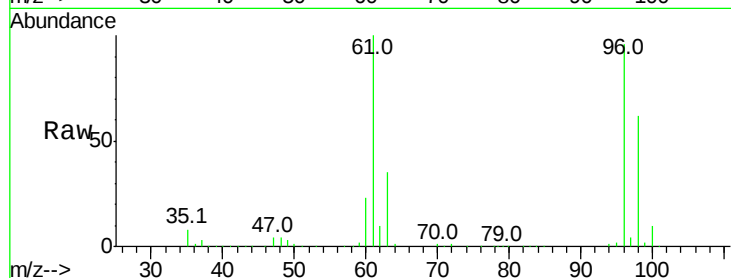
Tgt Ion: 61 Resp: 1673083

Ion Ratio Lower Upper

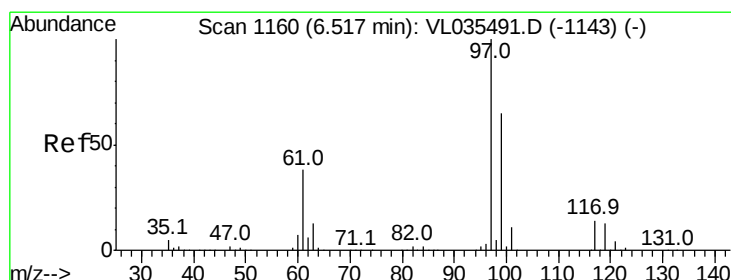
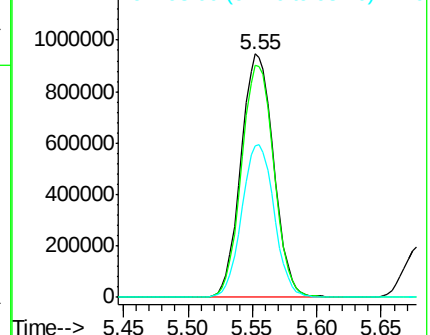
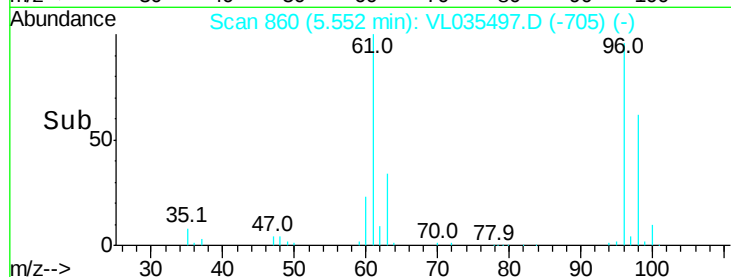
61 100

96 95.5 75.5 113.3

98 62.3 48.9 73.3



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



#32

1,1,1-Trichloroethane

Concen: 14.118 ppbv

RT: 6.52 min Scan# 1161

Delta R.T. 0.00 min

Lab File: VL035497.D

Acq: 23 Aug 2020 12:04

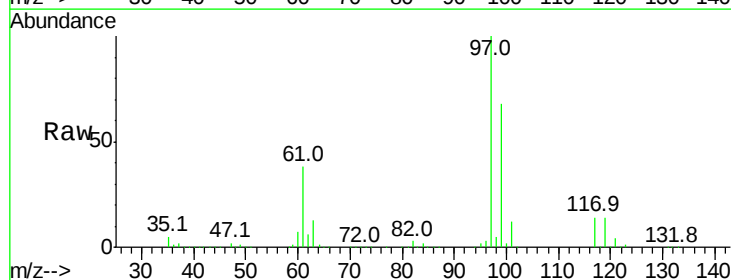
Tgt Ion: 97 Resp: 3217288

Ion Ratio Lower Upper

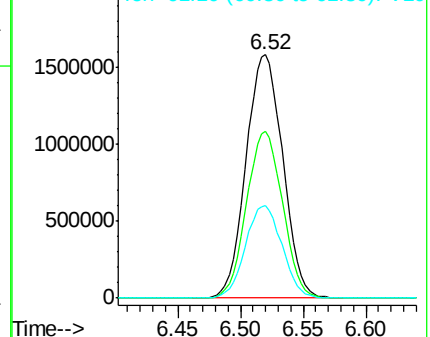
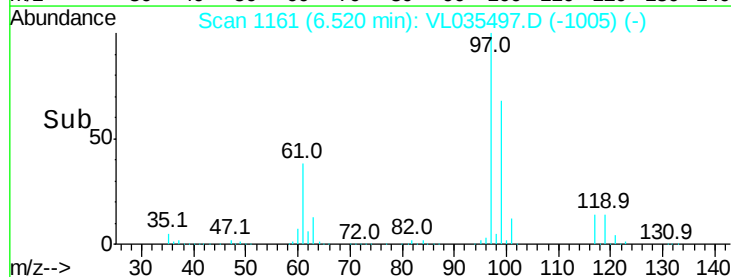
97 100

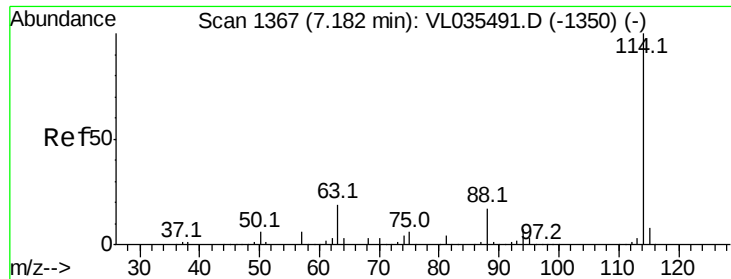
99 67.2 52.7 79.1

61 37.9 30.2 45.2



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

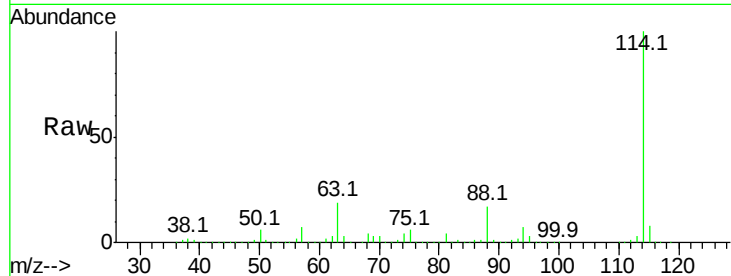




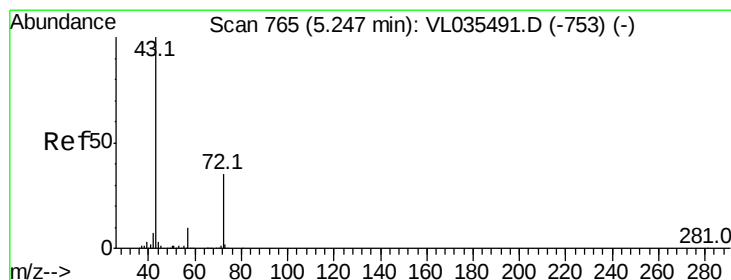
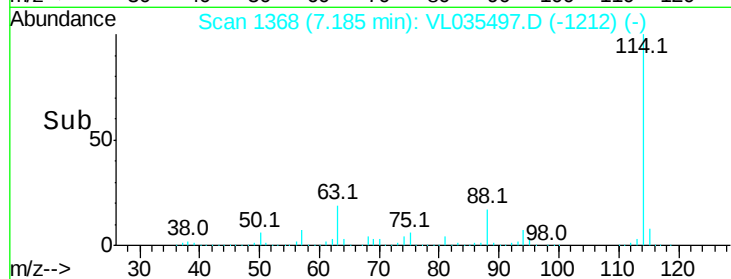
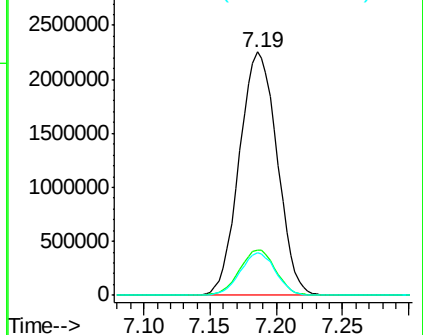
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1368
 Delta R.T. 0.00 min
 Lab File: VL035497.D
 Acq: 23 Aug 2020 12:04

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tgt Ion:114 Resp: 4468418
 Ion Ratio Lower Upper
 114 100
 63 18.1 14.3 21.5
 88 16.5 13.2 19.8

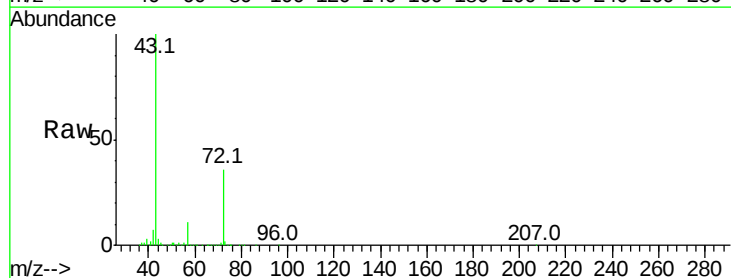


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

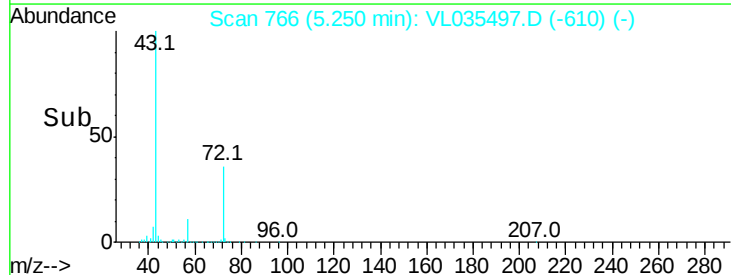
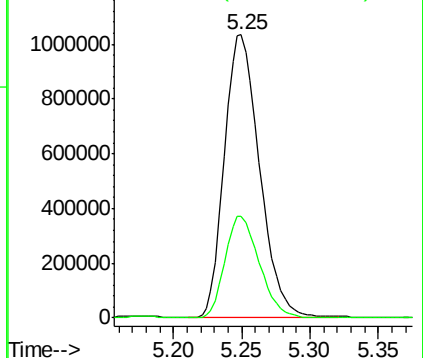


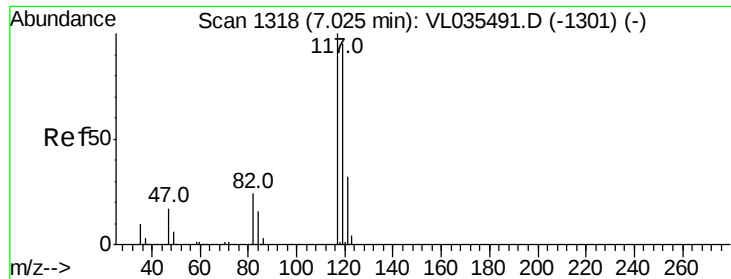
#34
 2-Butanone
 Concen: 12.414 ppbv
 RT: 5.25 min Scan# 766
 Delta R.T. 0.00 min
 Lab File: VL035497.D
 Acq: 23 Aug 2020 12:04

Tgt Ion: 43 Resp: 1853312
 Ion Ratio Lower Upper
 43 100
 72 35.3 27.6 41.4



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





#35

Carbon Tetrachloride

Concen: 14.506 ppbv

RT: 7.03 min Scan# 1319

Delta R.T. 0.00 min

Lab File: VL035497.D

Acq: 23 Aug 2020 12:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

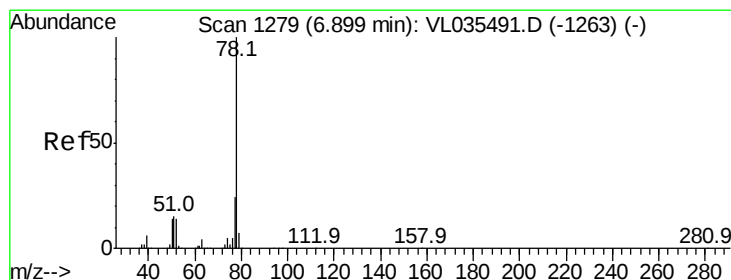
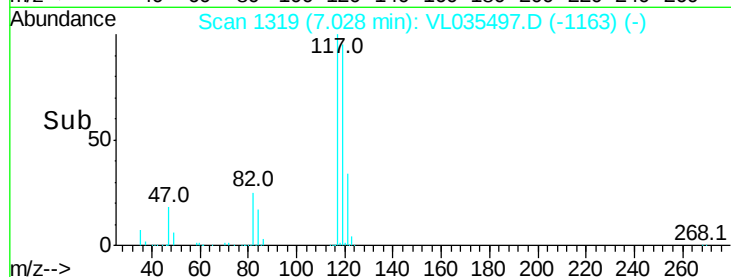
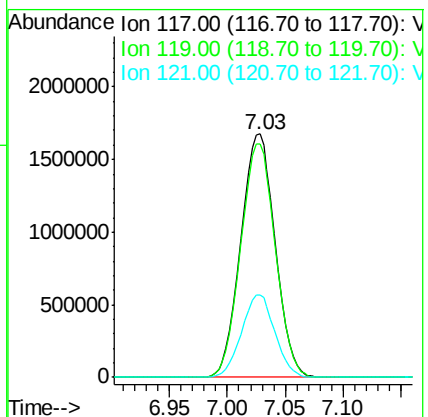
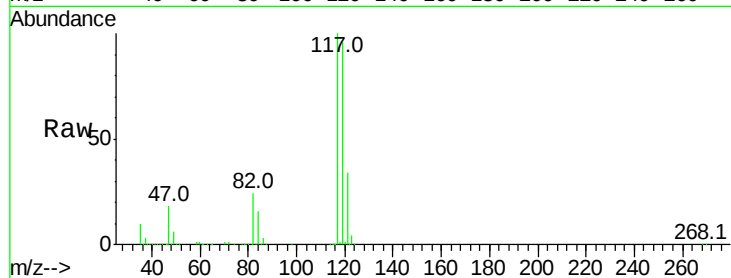
Tgt Ion:117 Resp: 3447365

Ion Ratio Lower Upper

117 100

119 95.8 75.6 113.4

121 33.9 25.6 38.4



#36

Benzene

Concen: 12.109 ppbv

RT: 6.90 min Scan# 1279

Delta R.T. -0.00 min

Lab File: VL035497.D

Acq: 23 Aug 2020 12:04

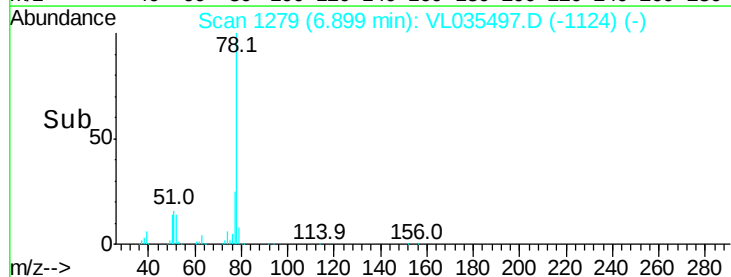
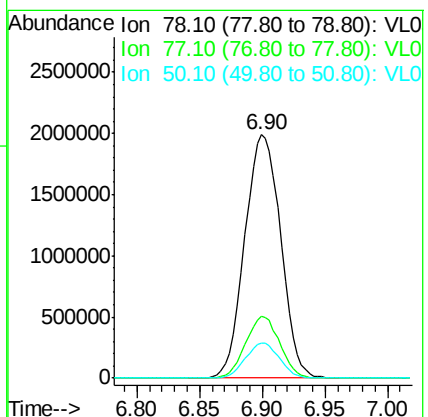
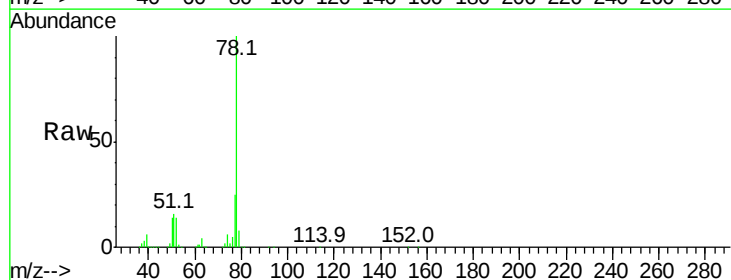
Tgt Ion: 78 Resp: 3971181

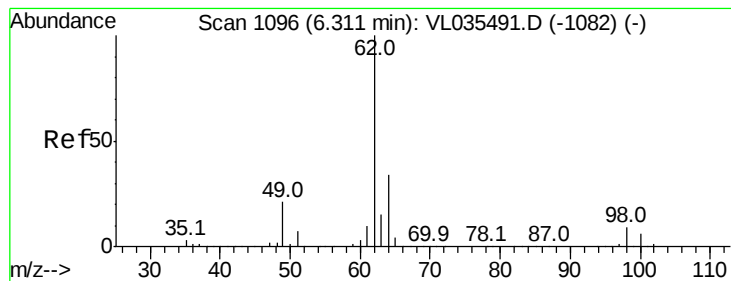
Ion Ratio Lower Upper

78 100

77 25.2 19.2 28.8

50 14.2 11.0 16.4





#37

1,2-Dichloroethane

Concen: 12.963 ppbv

RT: 6.31 min Scan# 1097

Delta R.T. 0.00 min

Lab File: VL035497.D

Acq: 23 Aug 2020 12:04

Instrument :

MSVOA_L

ClientSampleId :

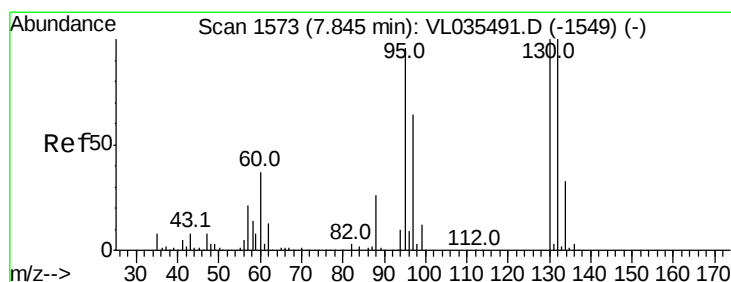
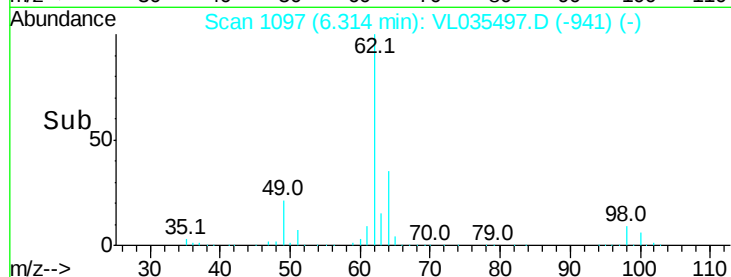
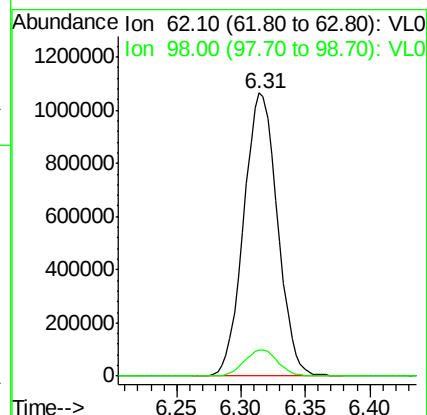
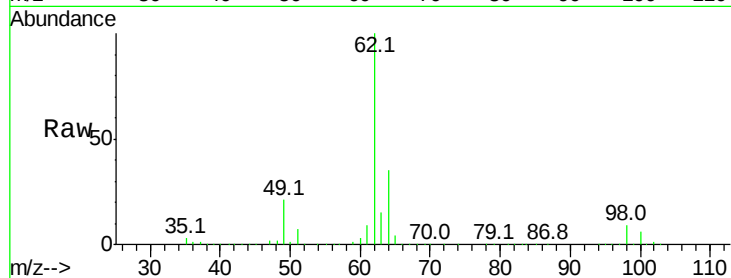
VSTDIC015

Tgt Ion: 62 Resp: 1942859

Ion Ratio Lower Upper

62 100

98 9.4 7.4 11.2



#38

Trichloroethene

Concen: 12.061 ppbv

RT: 7.84 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VL035497.D

Acq: 23 Aug 2020 12:04

Tgt Ion: 130 Resp: 2200218

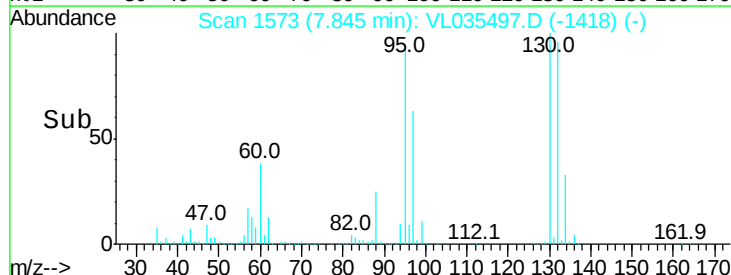
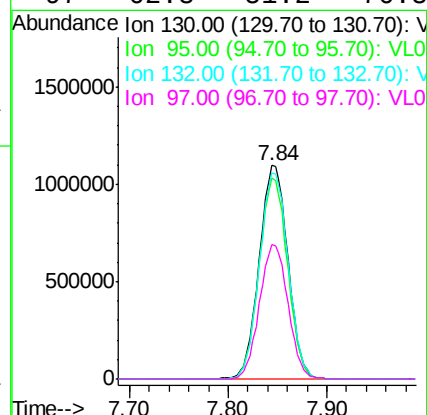
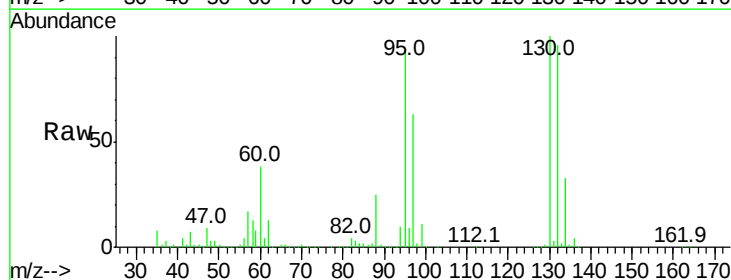
Ion Ratio Lower Upper

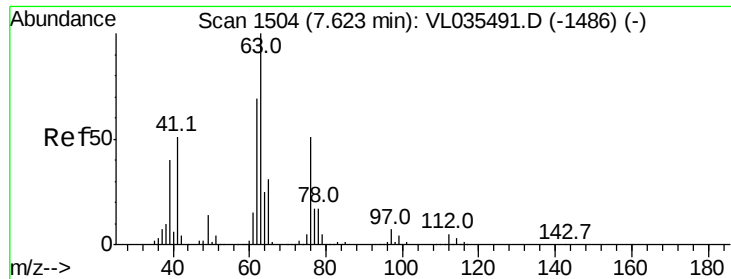
130 100

95 94.1 76.9 115.3

132 96.3 80.2 120.4

97 62.8 51.2 76.8





#39

1,2-Dichloropropane

Concen: 12.551 ppbv

RT: 7.62 min Scan# 1504

Delta R.T. -0.00 min

Lab File: VL035497.D

Acq: 23 Aug 2020 12:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

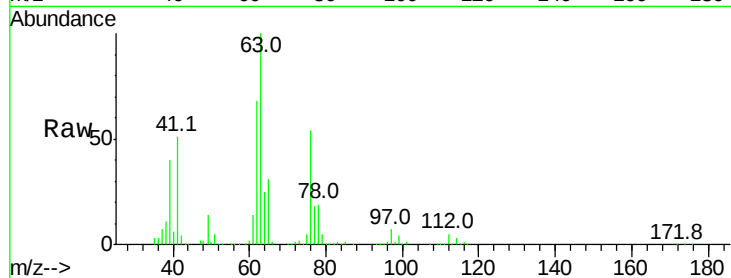
Tgt Ion: 63 Resp: 1356653

Ion Ratio Lower Upper

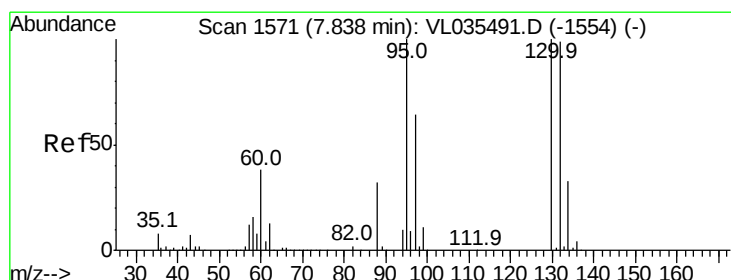
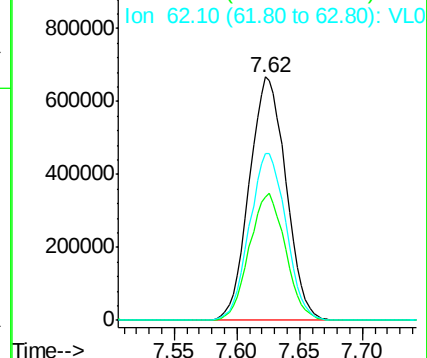
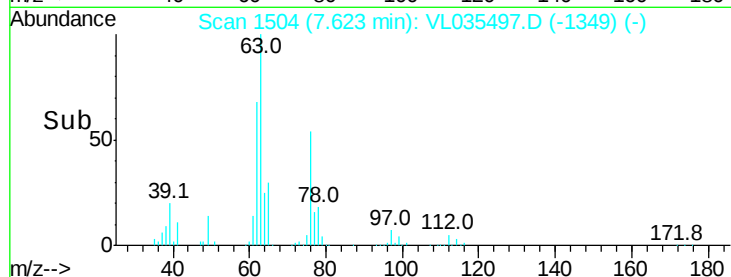
63 100

41 50.6 40.9 61.3

62 68.4 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: 11.882 ppbv

RT: 7.84 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VL035497.D

Acq: 23 Aug 2020 12:04

Tgt Ion: 88 Resp: 699620

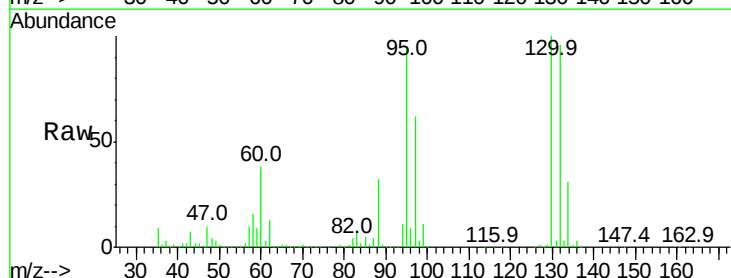
Ion Ratio Lower Upper

88 100

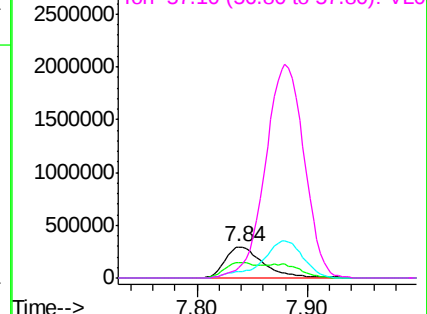
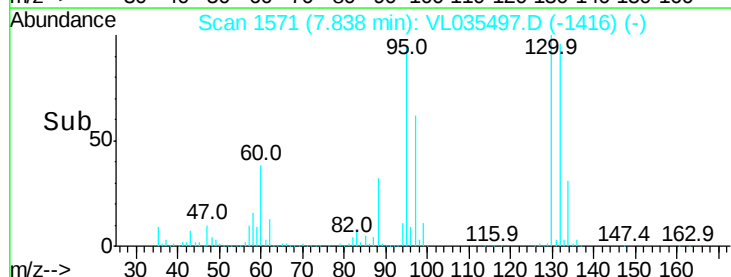
58 86.8 68.1 102.1

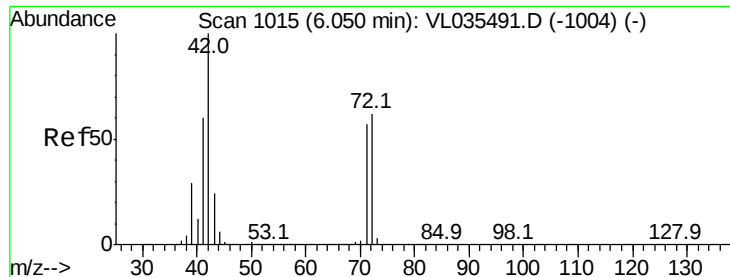
43 131.7 101.0 151.4

57 704.5 546.5 819.7



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: 12.990 ppbv

RT: 6.05 min Scan# 1016

Delta R.T. 0.00 min

Lab File: VL035497.D

Acq: 23 Aug 2020 12:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

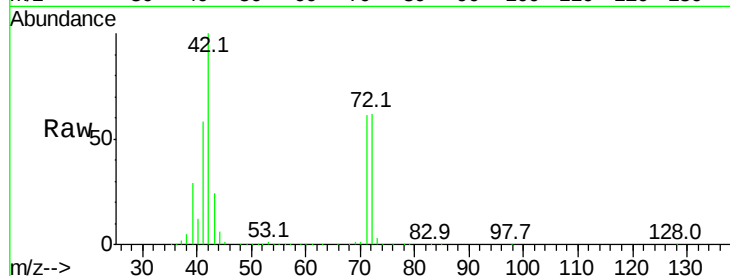
Tgt Ion: 42 Resp: 1069779

Ion Ratio Lower Upper

42 100

72 61.8 49.1 73.7

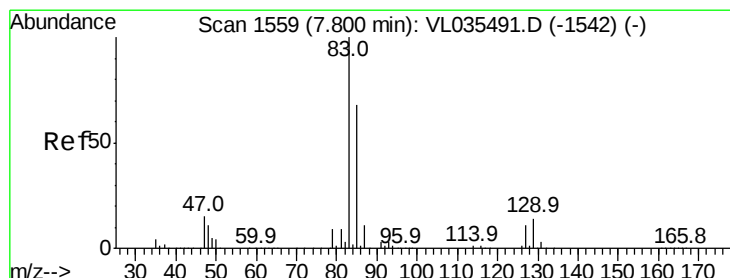
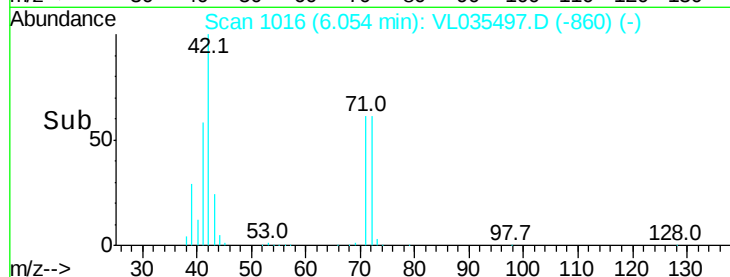
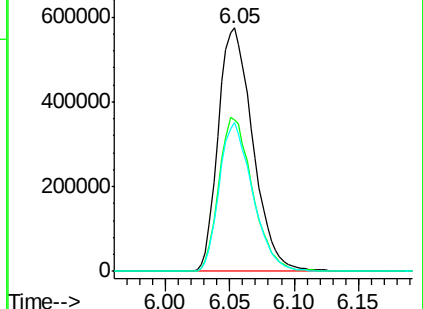
71 59.2 46.7 70.1



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: 13.394 ppbv

RT: 7.80 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VL035497.D

Acq: 23 Aug 2020 12:04

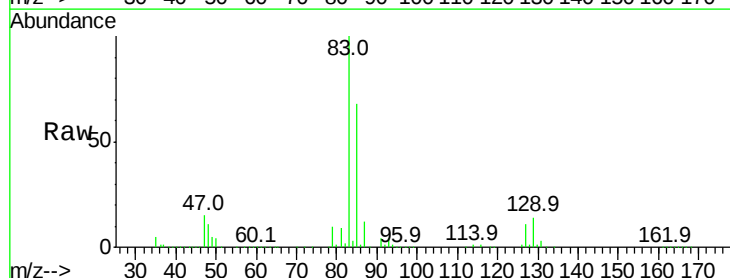
Tgt Ion: 83 Resp: 3359402

Ion Ratio Lower Upper

83 100

85 68.4 54.8 82.2

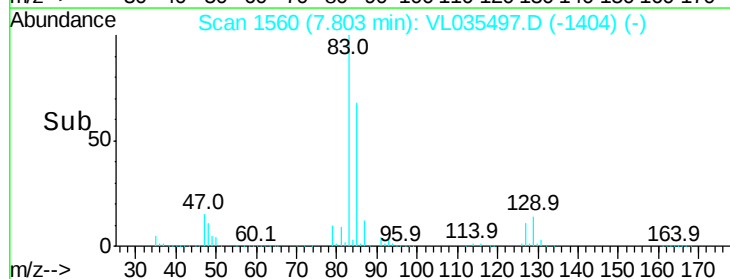
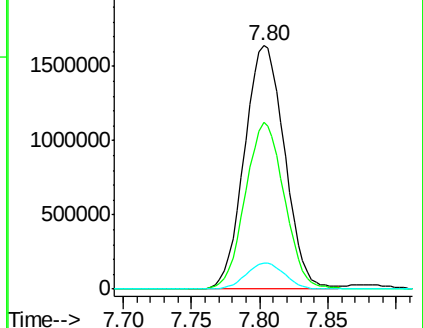
127 10.9 8.6 13.0

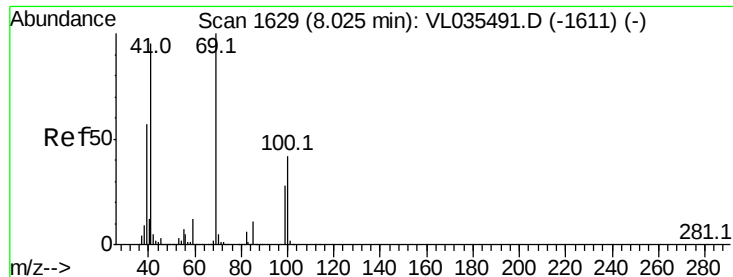


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V

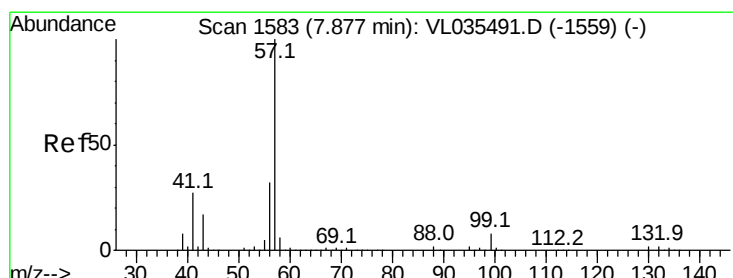
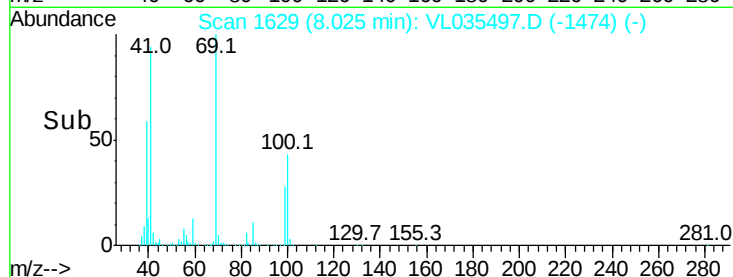
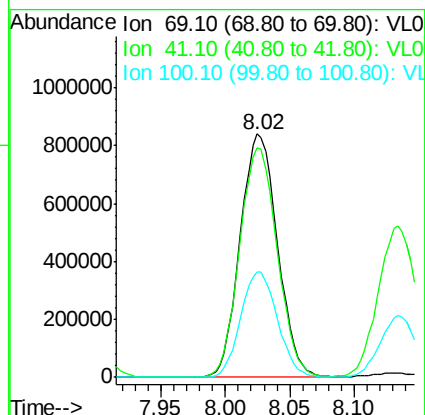
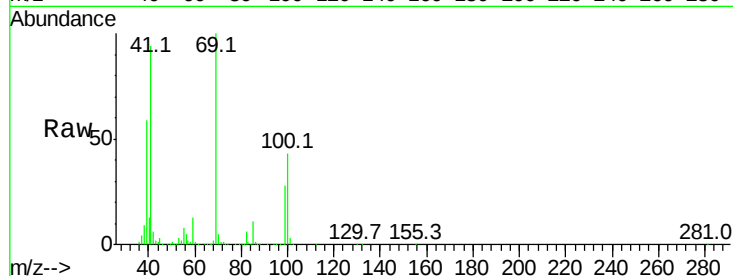




#43
Methyl Methacrylate
Concen: 13.232 ppbv
RT: 8.02 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VL035497.D
Acq: 23 Aug 2020 12:04

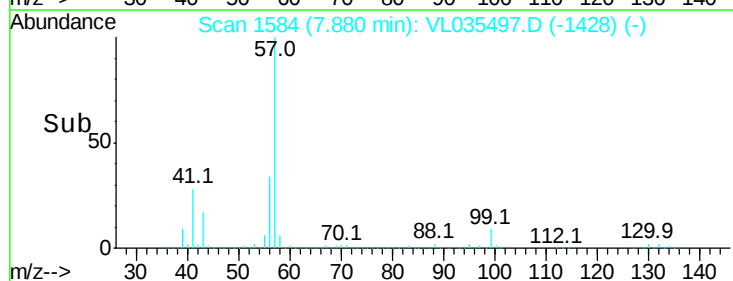
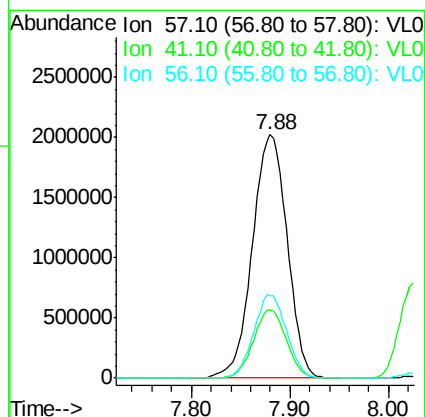
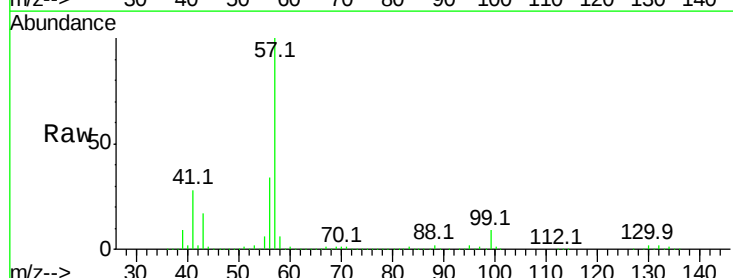
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

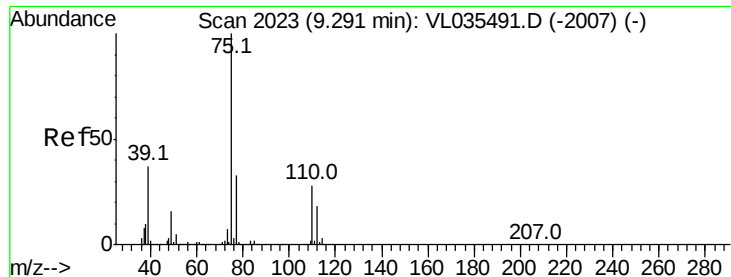
Tgt Ion: 69 Resp: 1697093
Ion Ratio Lower Upper
69 100
41 95.0 76.1 114.1
100 42.7 34.2 51.4



#44
2,2,4-Trimethylpentane
Concen: 11.499 ppbv
RT: 7.88 min Scan# 1584
Delta R.T. 0.00 min
Lab File: VL035497.D
Acq: 23 Aug 2020 12:04

Tgt Ion: 57 Resp: 4924696
Ion Ratio Lower Upper
57 100
41 26.7 20.7 31.1
56 32.3 25.3 37.9





#45

t-1,3-Dichloropropene

Concen: 15.345 ppbv

RT: 9.29 min Scan# 2023

Delta R.T. -0.00 min

Lab File: VL035497.D

Acq: 23 Aug 2020 12:04

Instrument :

MSVOA_L

ClientSampleId :

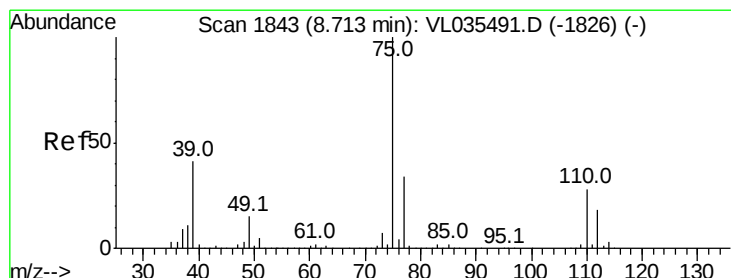
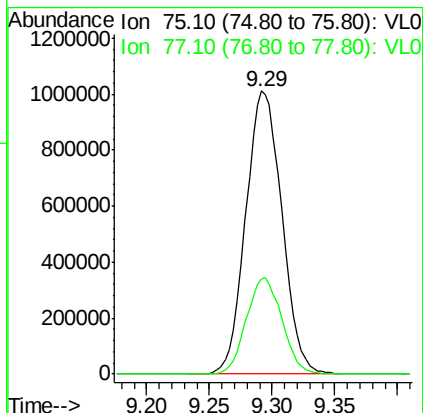
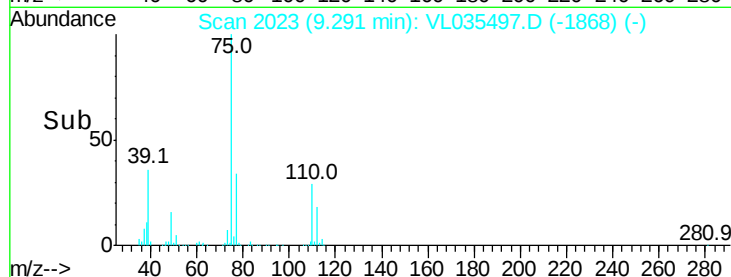
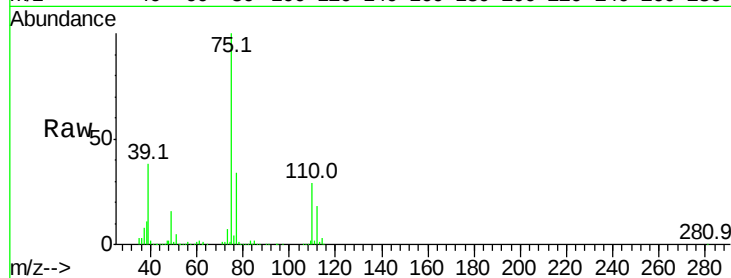
VSTDIC015

Tgt Ion: 75 Resp: 2027142

Ion Ratio Lower Upper

75 100

77 33.7 26.6 39.8



#46

cis-1,3-Dichloropropene

Concen: 14.238 ppbv

RT: 8.72 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VL035497.D

Acq: 23 Aug 2020 12:04

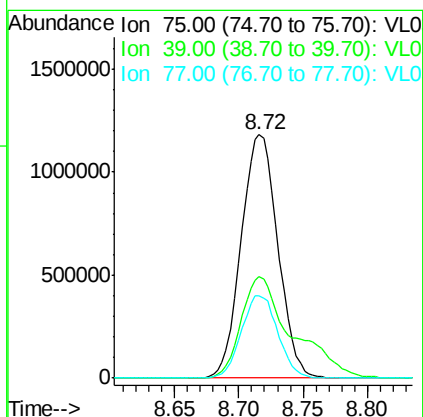
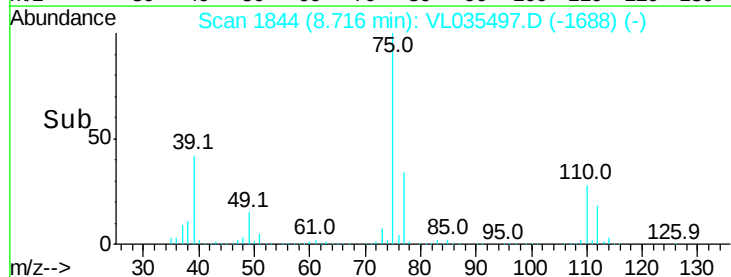
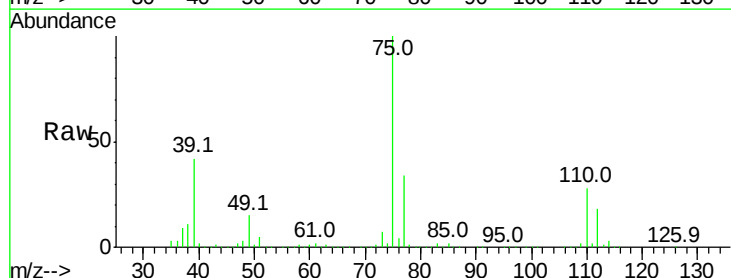
Tgt Ion: 75 Resp: 2343161

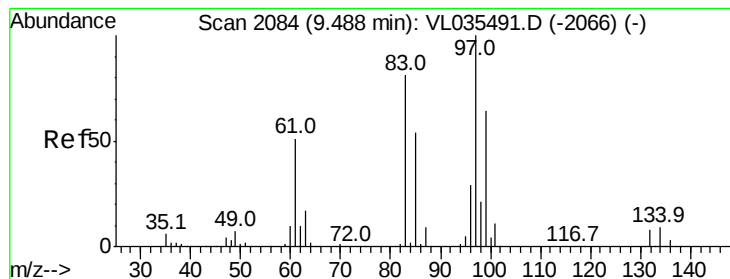
Ion Ratio Lower Upper

75 100

39 41.9 33.2 49.8

77 33.8 27.1 40.7





#47

1,1,2-Trichloroethane

Concen: 12.605 ppbv

RT: 9.49 min Scan# 2085

Delta R.T. 0.00 min

Lab File: VL035497.D

Acq: 23 Aug 2020 12:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 97 Resp: 2035012

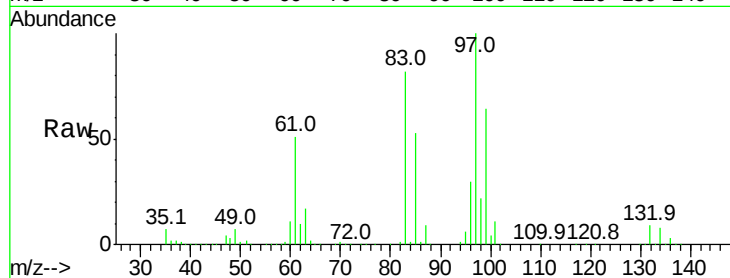
Ion	Ratio	Lower	Upper
97	100		
83	81.9	64.9	97.3
85	53.4	43.1	64.7
99	64.1	51.5	77.3

97 100

83 81.9 64.9 97.3

85 53.4 43.1 64.7

99 64.1 51.5 77.3



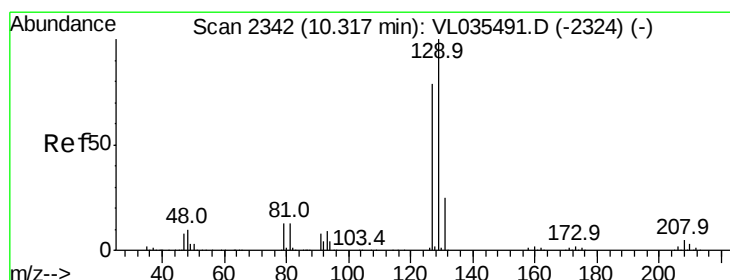
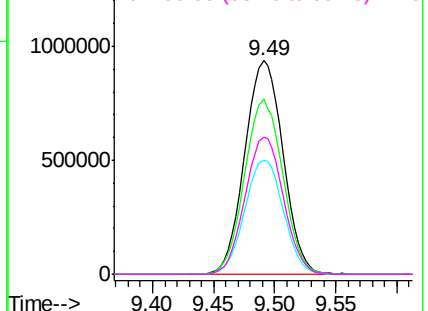
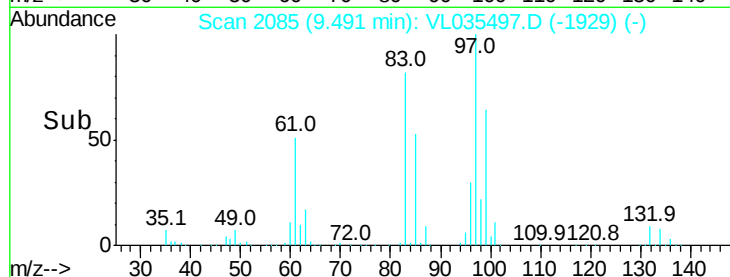
Abundance

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: 13.606 ppbv

RT: 10.32 min Scan# 2343

Delta R.T. 0.00 min

Lab File: VL035497.D

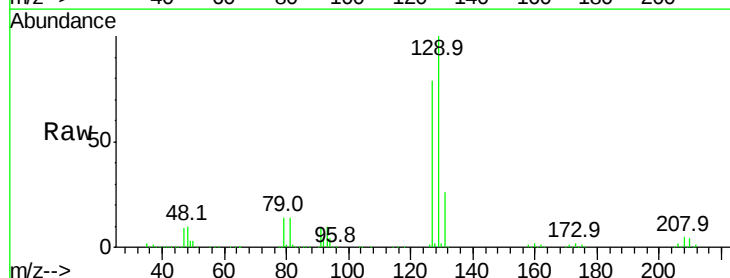
Acq: 23 Aug 2020 12:04

Tgt Ion: 129 Resp: 3684817

Ion	Ratio	Lower	Upper
129	100		
127	79.1	39.1	117.5

129 100

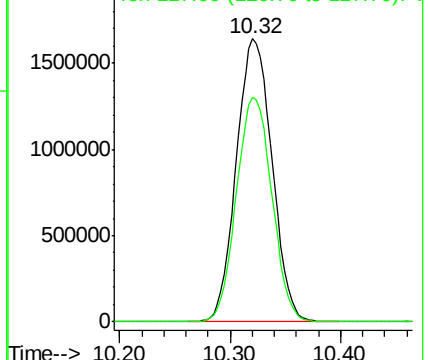
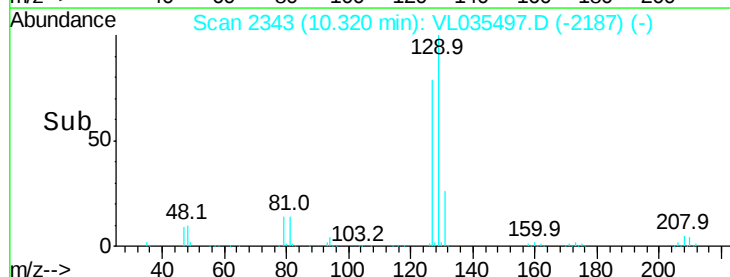
127 79.1 39.1 117.5

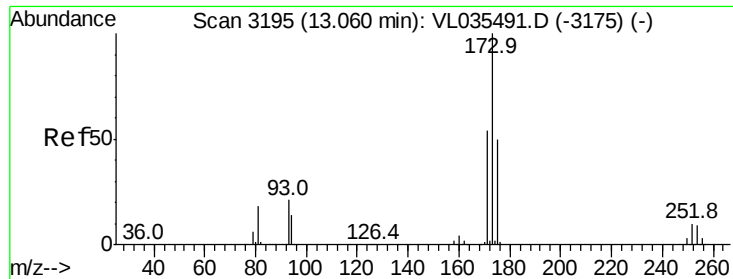


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 13.887 ppbv

RT: 13.06 min Scan# 3196

Delta R.T. 0.00 min

Lab File: VL035497.D

Acq: 23 Aug 2020 12:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

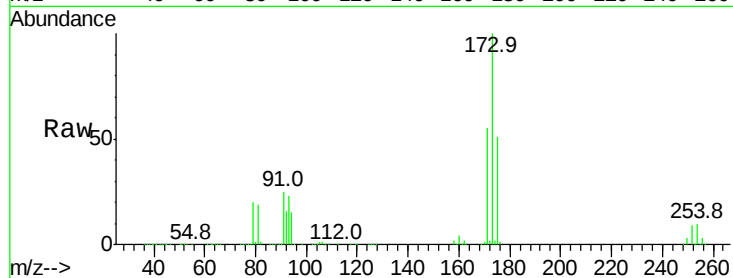
Tgt Ion:173 Resp: 3623249

Ion Ratio Lower Upper

173 100

175 50.7 40.2 60.4

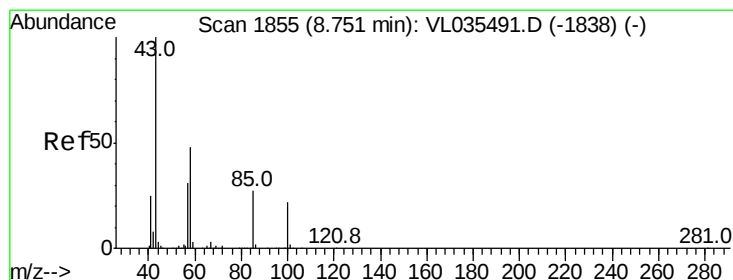
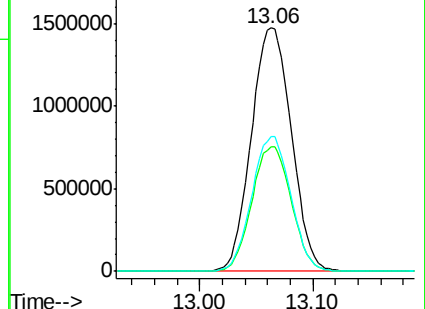
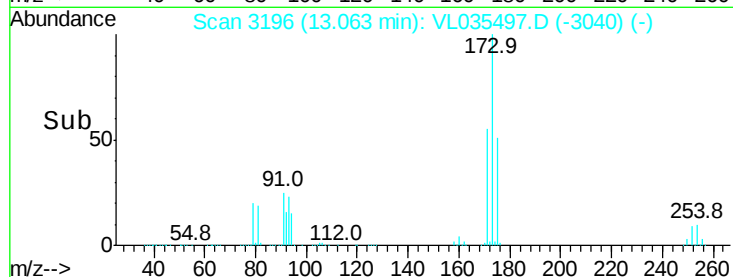
171 54.1 42.7 64.1



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: 12.590 ppbv

RT: 8.75 min Scan# 1856

Delta R.T. 0.00 min

Lab File: VL035497.D

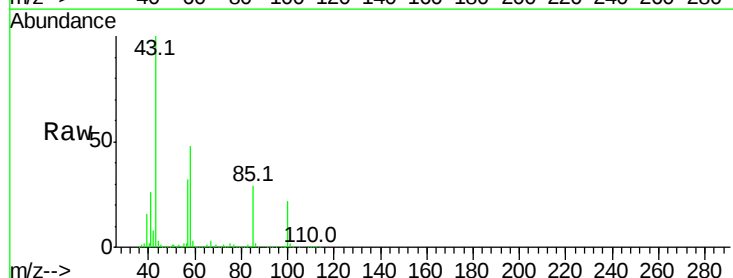
Acq: 23 Aug 2020 12:04

Tgt Ion: 43 Resp: 2696273

Ion Ratio Lower Upper

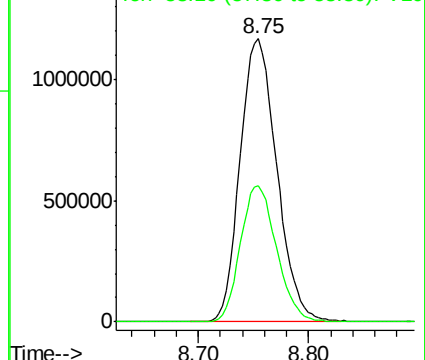
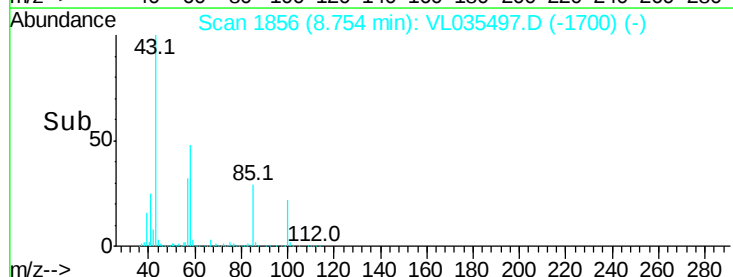
43 100

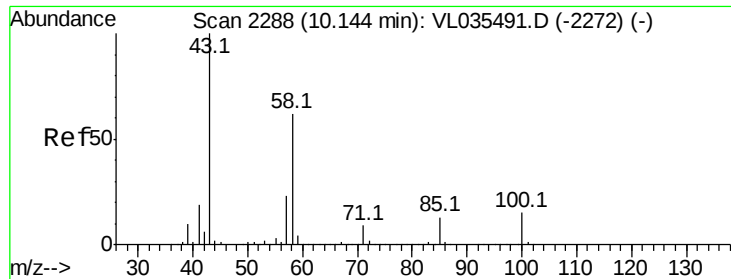
58 47.6 37.4 56.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

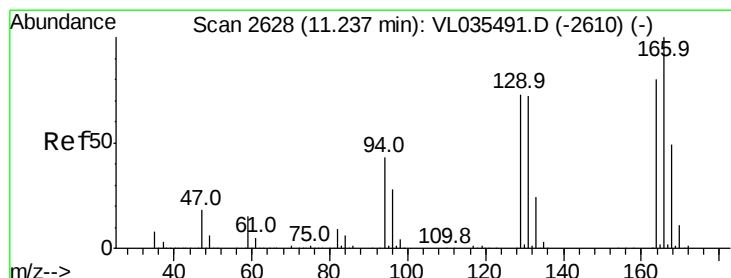
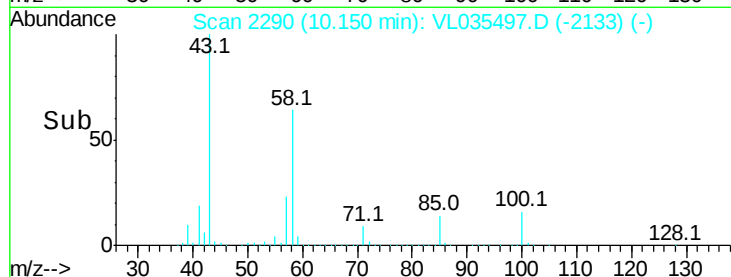
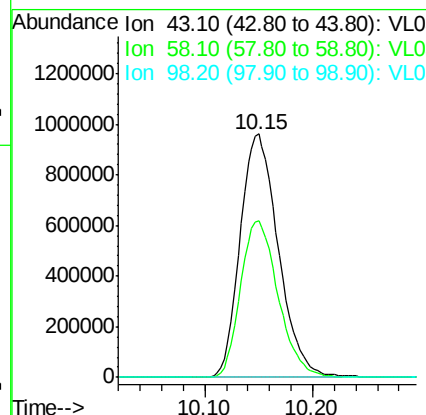
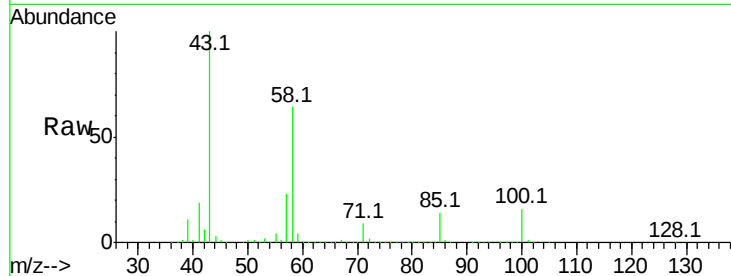




#51
2-Hexanone
Concen: 13.097 ppbv
RT: 10.15 min Scan# 2290
Delta R.T. 0.01 min
Lab File: VL035497.D
Acq: 23 Aug 2020 12:04

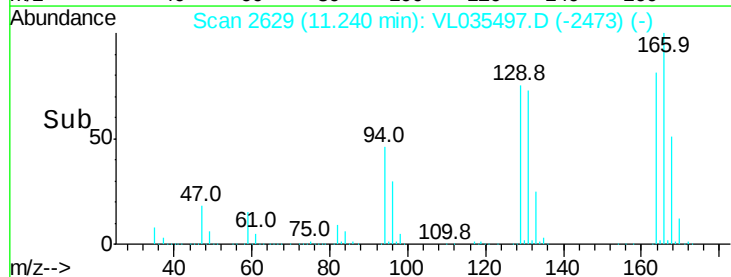
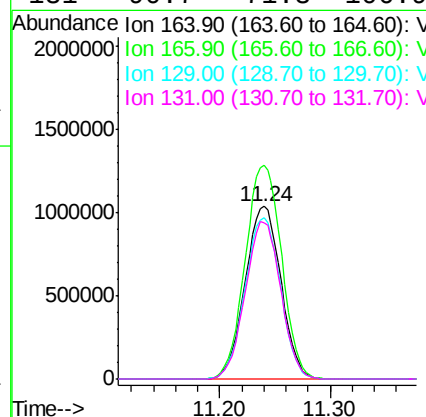
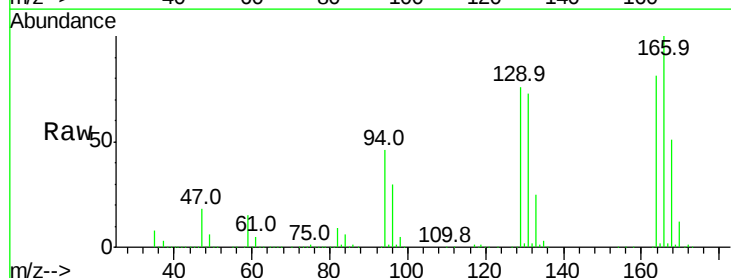
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

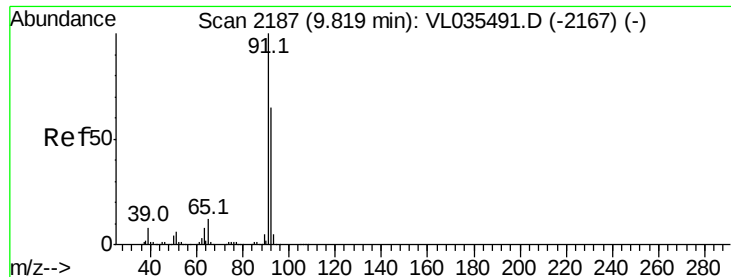
Tgt Ion: 43 Resp: 2364228
Ion Ratio Lower Upper
43 100
58 63.6 50.3 75.5
98 0.4 0.4 0.6#



#52
Tetrachloroethene
Concen: 11.651 ppbv
RT: 11.24 min Scan# 2629
Delta R.T. 0.00 min
Lab File: VL035497.D
Acq: 23 Aug 2020 12:04

Tgt Ion: 164 Resp: 2330678
Ion Ratio Lower Upper
164 100
166 123.7 99.6 149.4
129 93.4 72.8 109.2
131 90.7 71.3 106.9





#53

Toluene

Concen: 12.083 ppbv

RT: 9.82 min Scan# 2187

Delta R.T. -0.00 min

Lab File: VL035497.D

Acq: 23 Aug 2020 12:04

Instrument :

MSVOA_L

ClientSampleId :

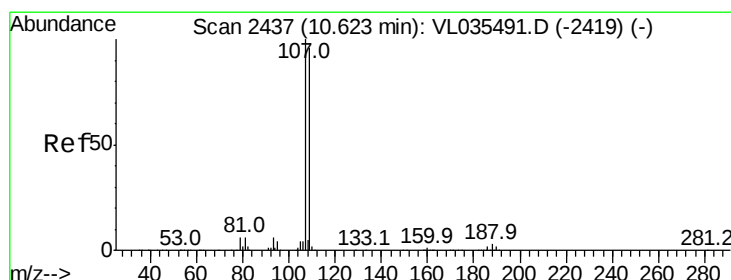
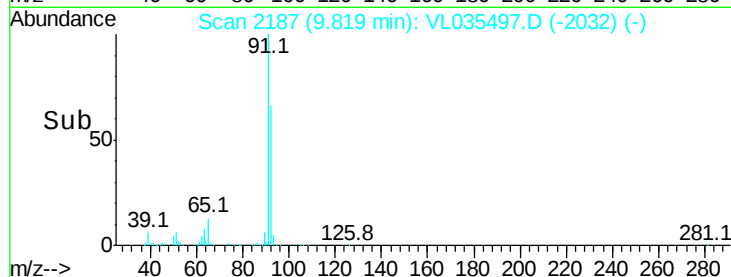
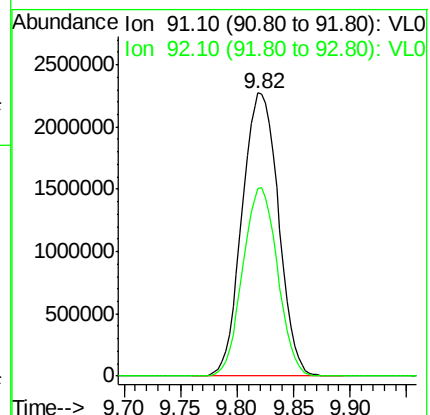
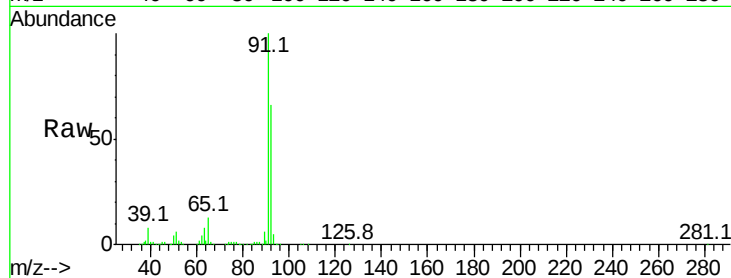
VSTDIC015

Tgt Ion: 91 Resp: 5104060

Ion Ratio Lower Upper

91 100

92 63.7 49.9 74.9



#54

1,2-Dibromoethane

Concen: 12.560 ppbv

RT: 10.63 min Scan# 2439

Delta R.T. 0.01 min

Lab File: VL035497.D

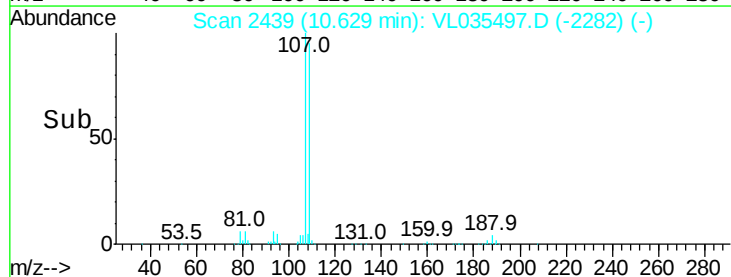
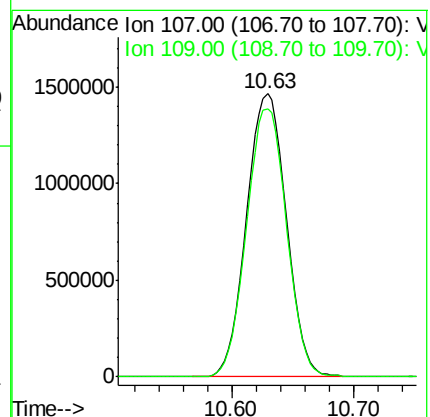
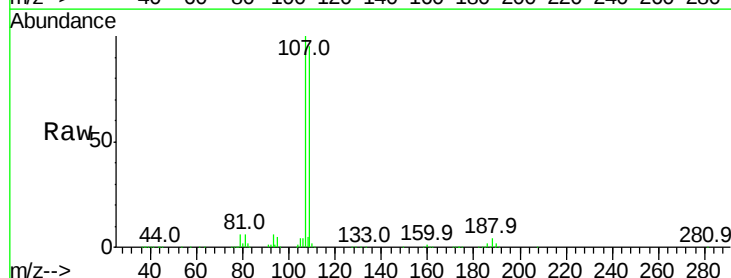
Acq: 23 Aug 2020 12:04

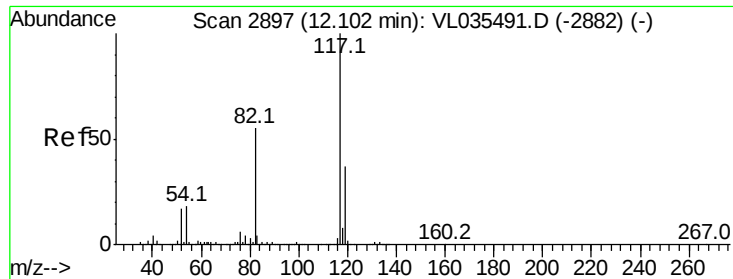
Tgt Ion: 107 Resp: 3293263

Ion Ratio Lower Upper

107 100

109 94.6 76.5 114.7

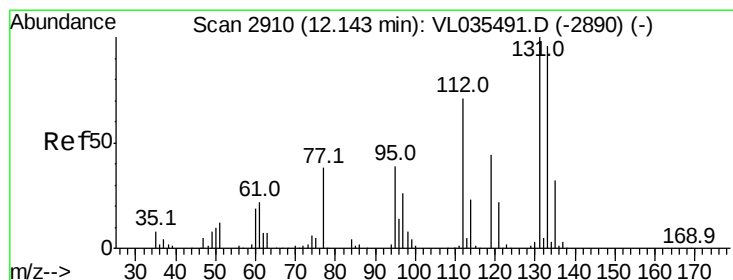
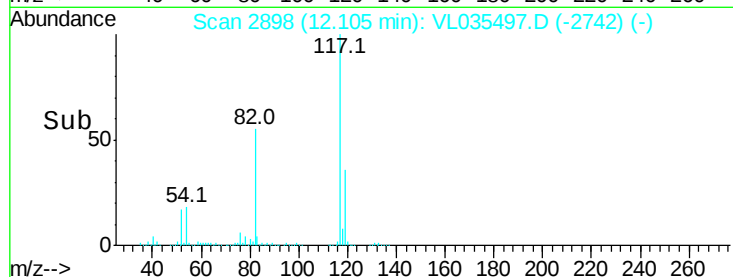
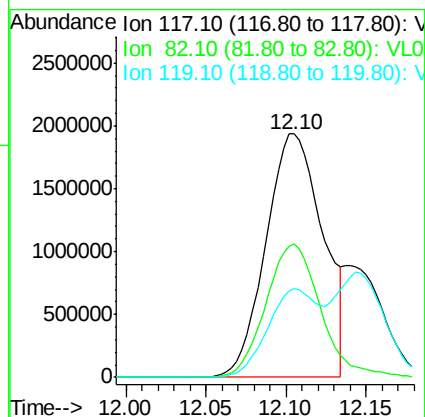
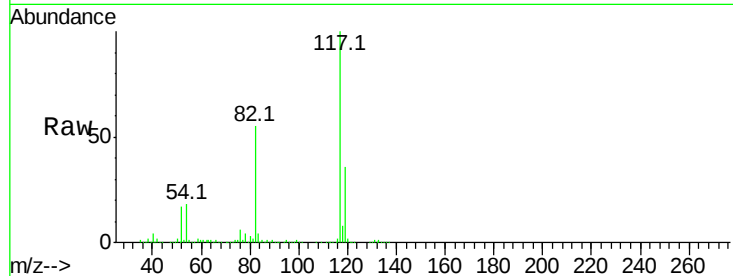




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2898
Delta R.T. 0.00 min
Lab File: VL035497.D
Acq: 23 Aug 2020 12:04

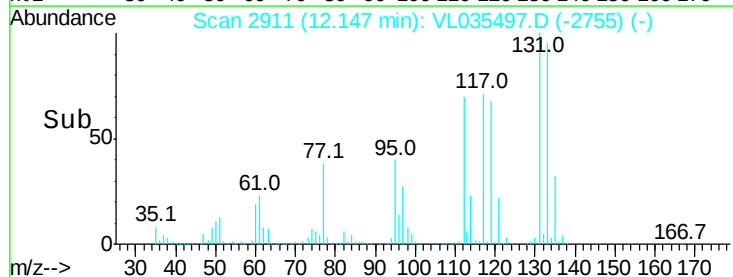
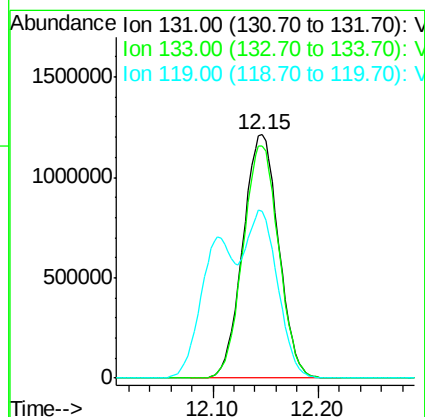
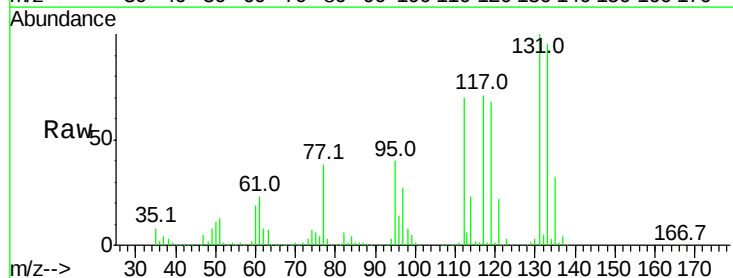
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

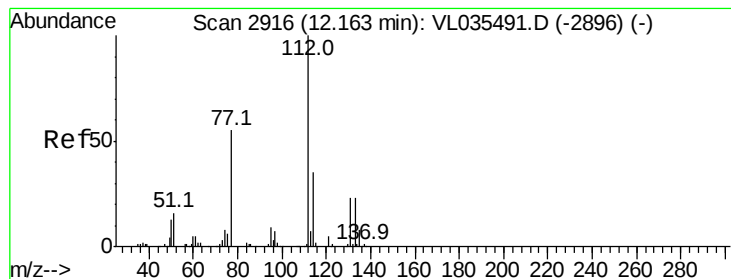
Tgt Ion:117 Resp: 4784122
Ion Ratio Lower Upper
117 100
82 52.8 43.9 65.9
119 35.5 30.4 45.6



#56
1,1,1,2-Tetrachloroethane
Concen: 12.561 ppbv
RT: 12.15 min Scan# 2911
Delta R.T. 0.00 min
Lab File: VL035497.D
Acq: 23 Aug 2020 12:04

Tgt Ion:131 Resp: 2850494
Ion Ratio Lower Upper
131 100
133 95.7 76.9 115.3
119 59.6 45.3 67.9





#57

Chlorobenzene

Concen: 11.107 ppbv

RT: 12.17 min Scan# 2917

Delta R.T. 0.00 min

Lab File: VL035497.D

Acq: 23 Aug 2020 12:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

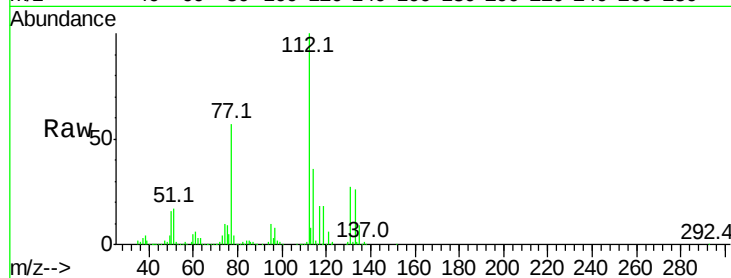
Tgt Ion:112 Resp: 4435389

Ion Ratio Lower Upper

112 100

77 56.5 45.2 67.8

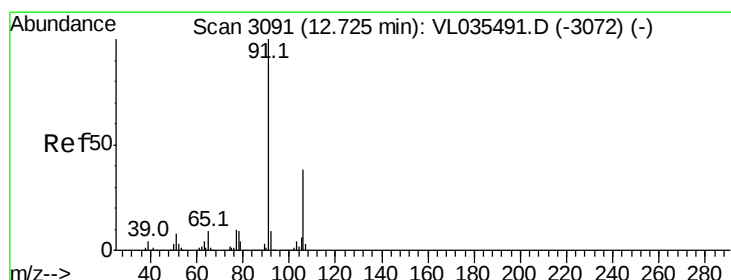
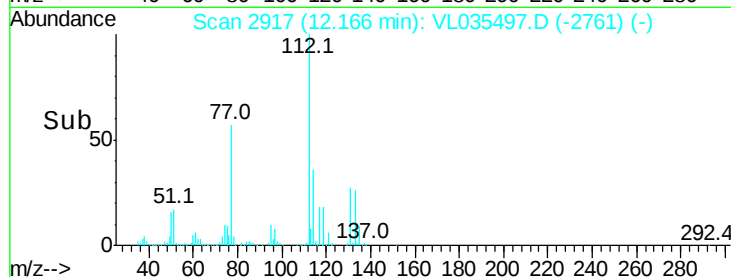
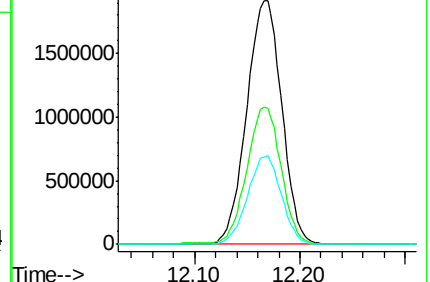
114 36.0 31.6 38.6



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: 11.456 ppbv

RT: 12.73 min Scan# 3092

Delta R.T. 0.00 min

Lab File: VL035497.D

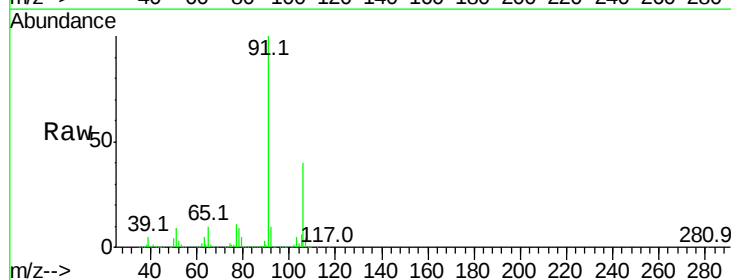
Acq: 23 Aug 2020 12:04

Tgt Ion: 91 Resp: 6615854

Ion Ratio Lower Upper

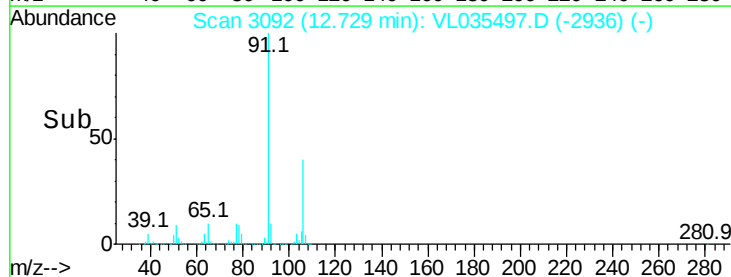
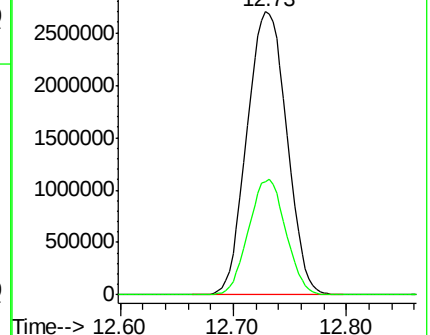
91 100

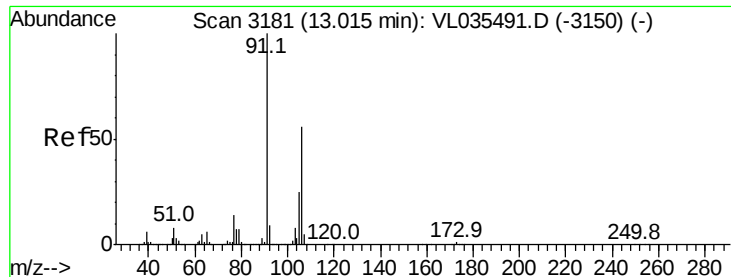
106 40.0 30.2 45.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 13.146 ppbv

RT: 13.02 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VL035497.D

Acq: 23 Aug 2020 12:04

Instrument :

MSVOA_L

ClientSampleId :

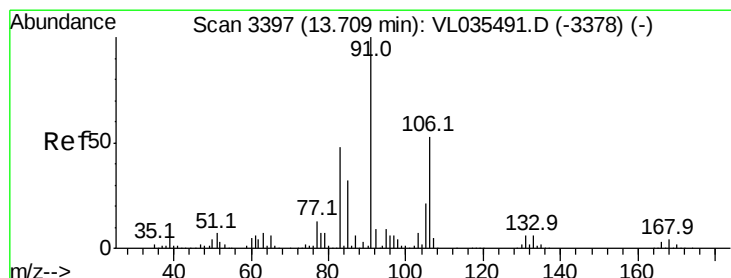
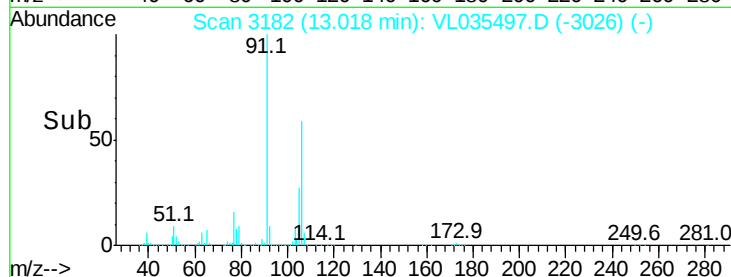
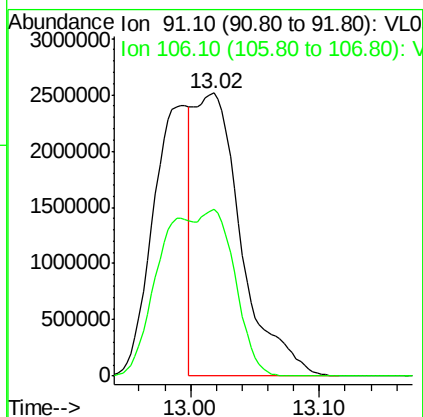
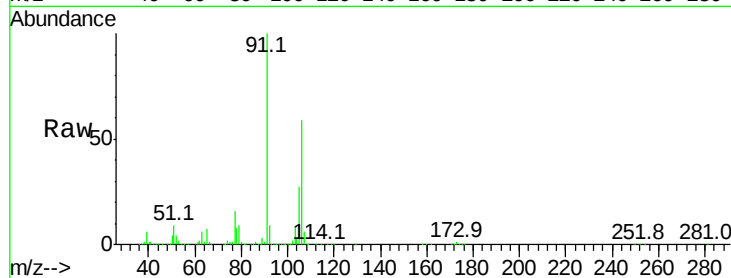
VSTDIC015

Tgt Ion: 91 Resp: 6417675

Ion Ratio Lower Upper

91 100

106 92.2 42.6 63.8#



#60

o-Xylene

Concen: 11.562 ppbv

RT: 13.72 min Scan# 3399

Delta R.T. 0.01 min

Lab File: VL035497.D

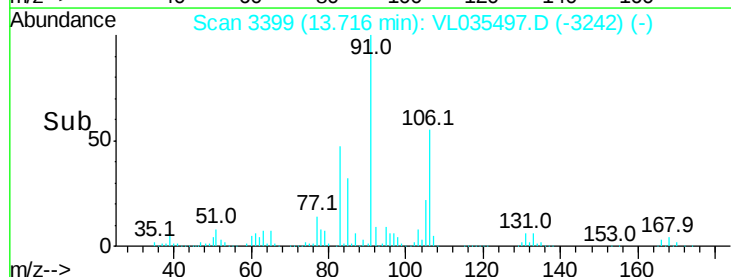
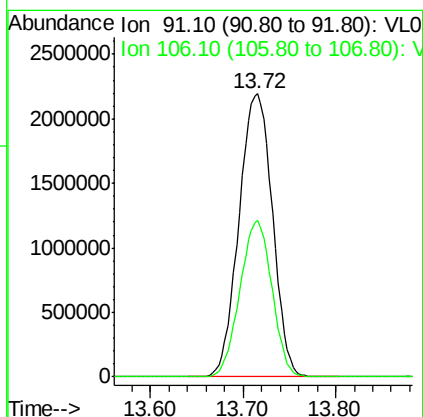
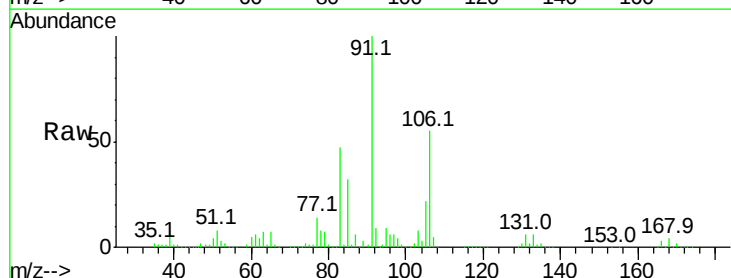
Acq: 23 Aug 2020 12:04

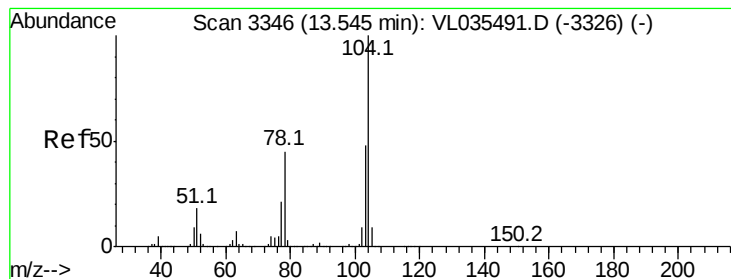
Tgt Ion: 91 Resp: 5485819

Ion Ratio Lower Upper

91 100

106 52.9 25.9 77.7





#61

Styrene

Concen: 12.199 ppbv

RT: 13.55 min Scan# 3348

Delta R.T. 0.01 min

Lab File: VL035497.D

Acq: 23 Aug 2020 12:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

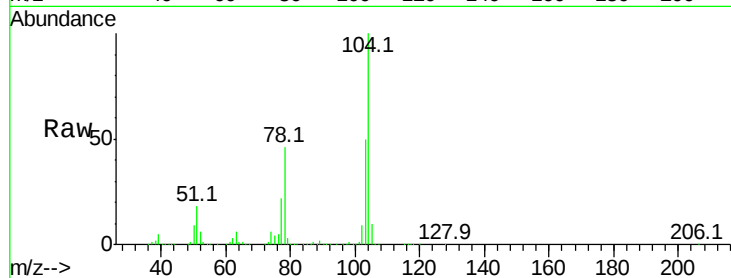
Tgt Ion:104 Resp: 4677023

Ion Ratio Lower Upper

104 100

78 44.8 34.7 52.1

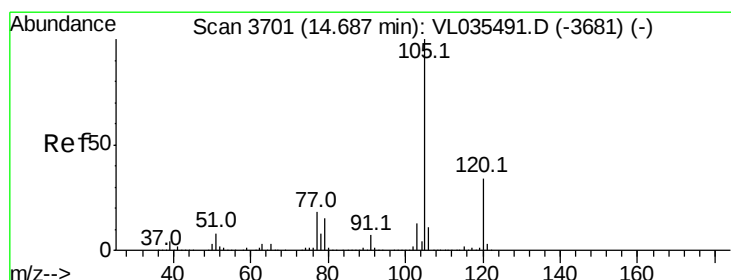
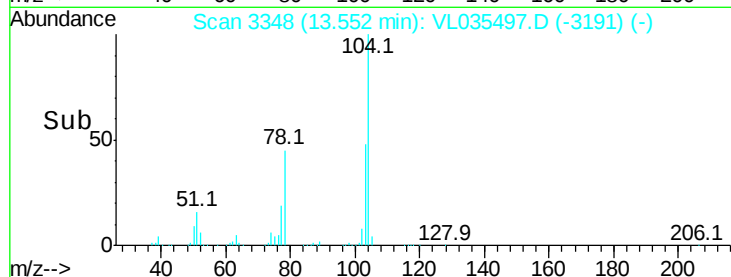
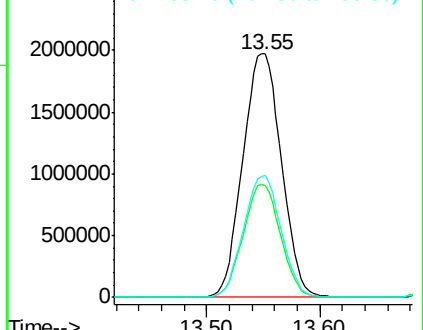
103 48.7 38.2 57.2



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): V

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 10.646 ppbv

RT: 14.69 min Scan# 3702

Delta R.T. 0.00 min

Lab File: VL035497.D

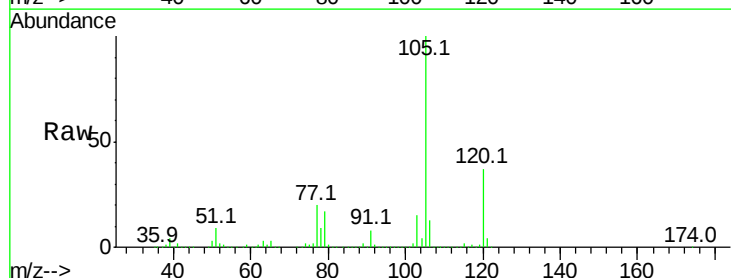
Acq: 23 Aug 2020 12:04

Tgt Ion:105 Resp: 8278682

Ion Ratio Lower Upper

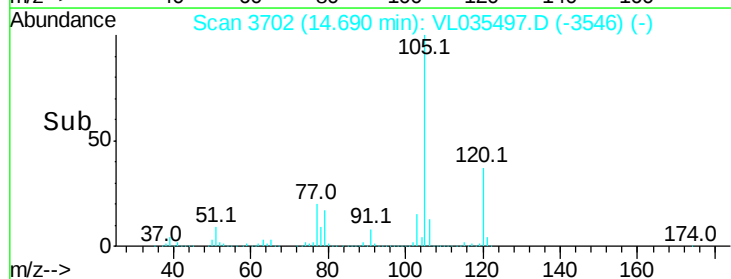
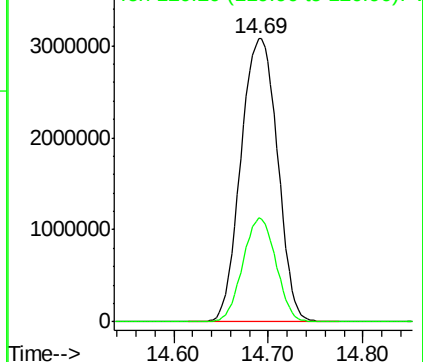
105 100

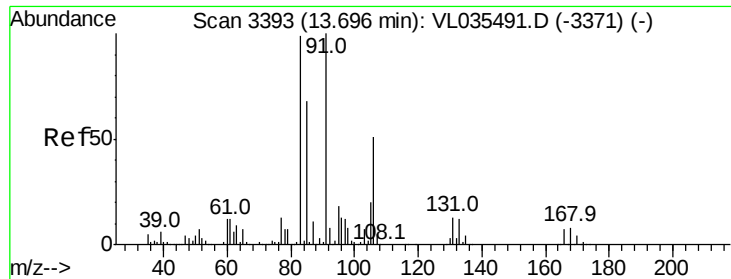
120 33.2 25.0 37.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

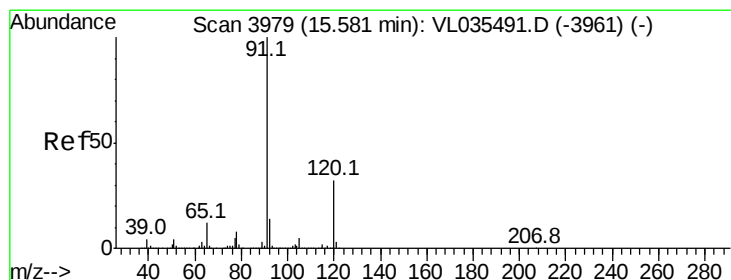
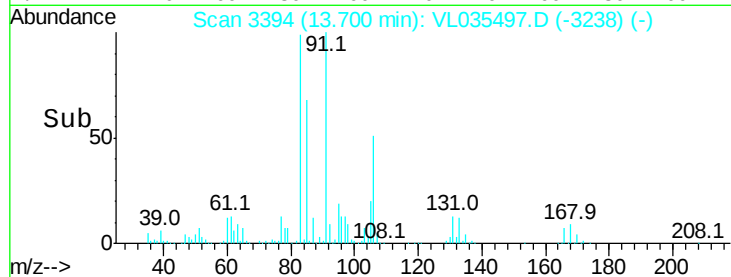
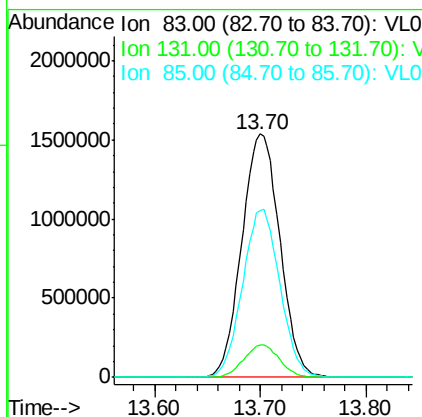
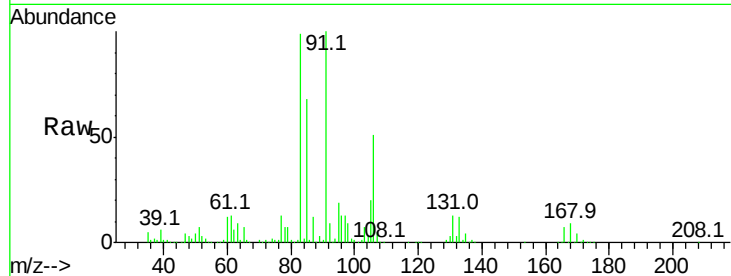




#63
 1,1,2,2-Tetrachloroethane
 Concen: 11.341 ppbv
 RT: 13.70 min Scan# 3394
 Delta R.T. 0.00 min
 Lab File: VL035497.D
 Acq: 23 Aug 2020 12:04

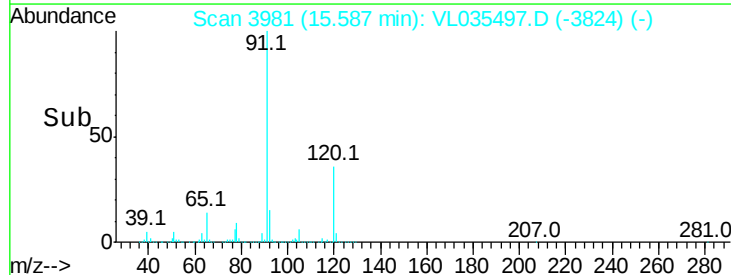
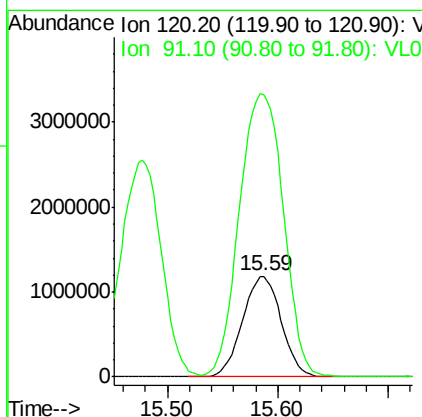
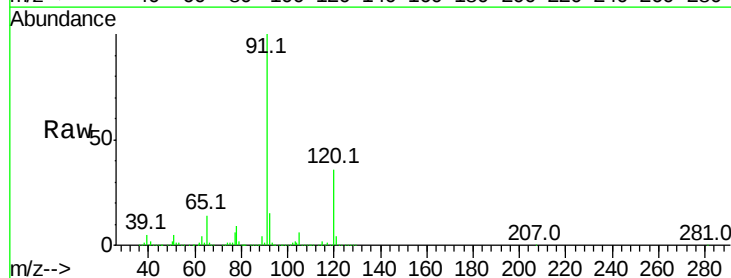
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

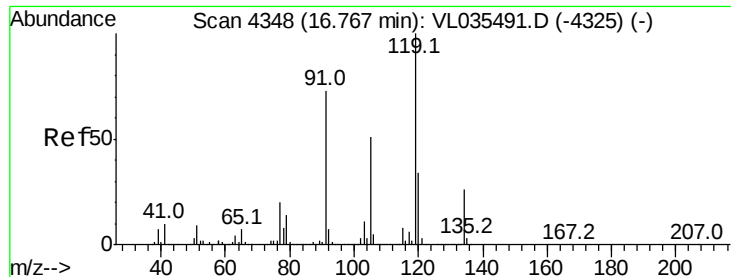
Tgt Ion: 83 Resp: 3865394
 Ion Ratio Lower Upper
 83 100
 131 12.6 6.2 18.4
 85 67.6 33.4 100.2



#64
 n-propylbenzene
 Concen: 11.961 ppbv
 RT: 15.59 min Scan# 3981
 Delta R.T. 0.01 min
 Lab File: VL035497.D
 Acq: 23 Aug 2020 12:04

Tgt Ion: 120 Resp: 2866950
 Ion Ratio Lower Upper
 120 100
 91 322.5 280.3 420.5

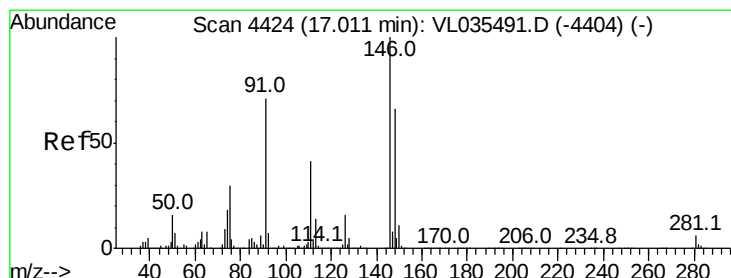
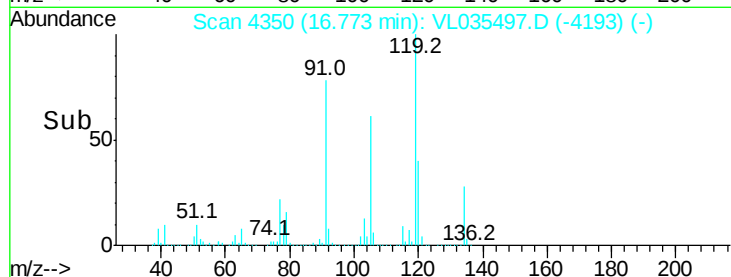
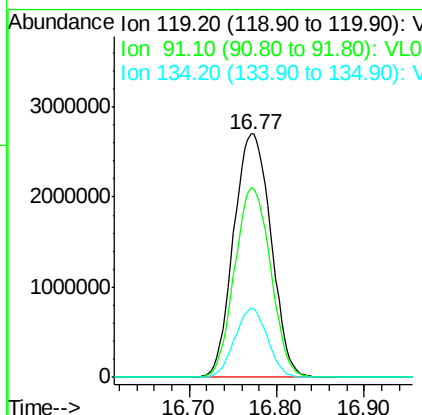
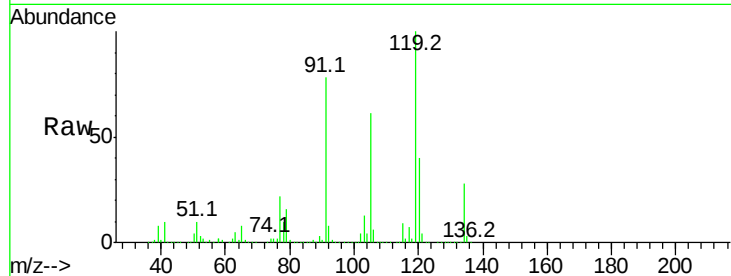




#65
 tert-Butylbenzene
 Concen: 10.583 ppbv
 RT: 16.77 min Scan# 4350
 Delta R.T. 0.01 min
 Lab File: VL035497.D
 Acq: 23 Aug 2020 12:04

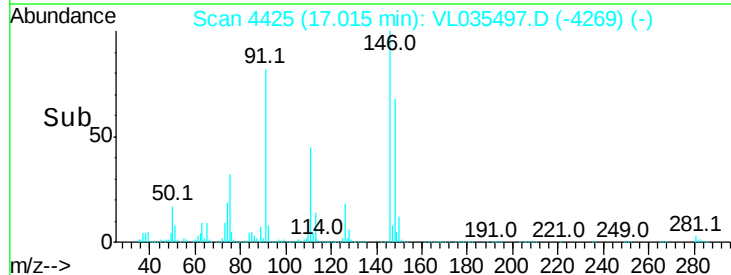
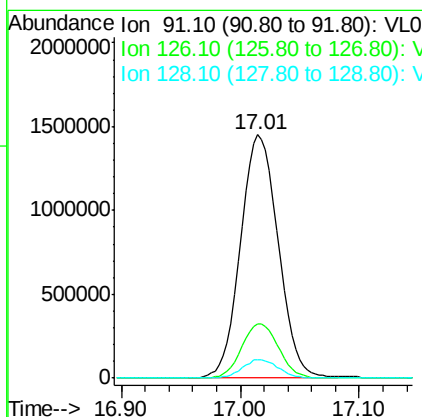
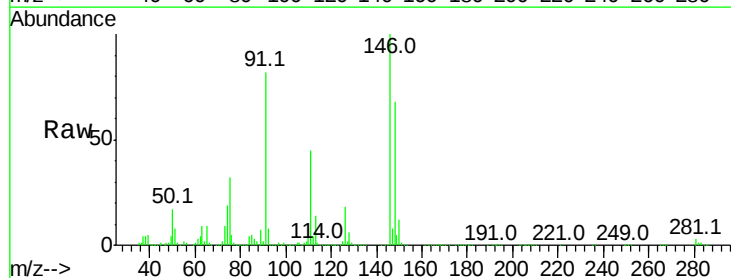
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

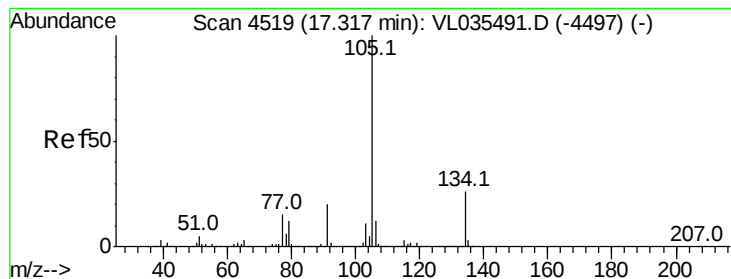
Tgt Ion: 119 Resp: 7997175
 Ion Ratio Lower Upper
 119 100
 91 75.2 57.8 86.8
 134 24.9 18.8 28.2



#66
 Benzyl Chloride
 Concen: 17.529 ppbv
 RT: 17.01 min Scan# 4425
 Delta R.T. 0.00 min
 Lab File: VL035497.D
 Acq: 23 Aug 2020 12:04

Tgt Ion: 91 Resp: 3186379
 Ion Ratio Lower Upper
 91 100
 126 21.9 17.3 25.9
 128 7.2 5.6 8.4





#67

sec-Butylbenzene

Concen: 10.086 ppbv

RT: 17.32 min Scan# 4521

Delta R.T. 0.01 min

Lab File: VL035497.D

Acq: 23 Aug 2020 12:04

Instrument :

MSVOA_L

ClientSampleId :

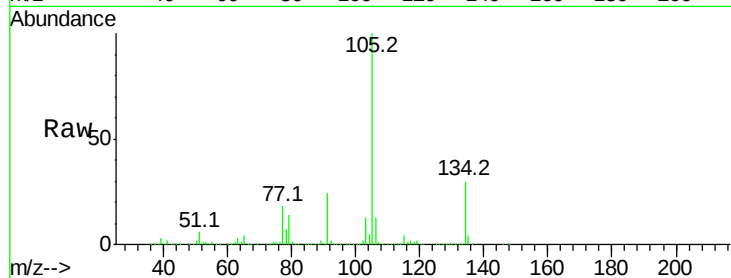
VSTDIC015

Tgt Ion:105 Resp:10031008

Ion Ratio Lower Upper

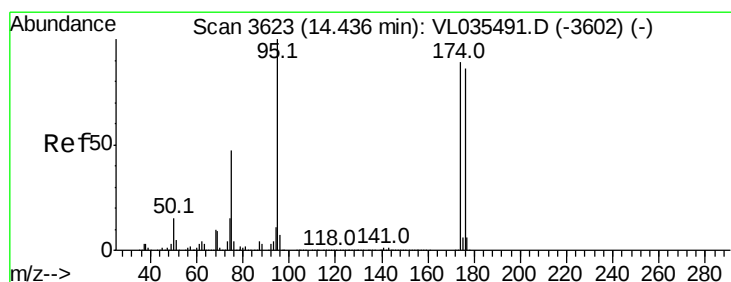
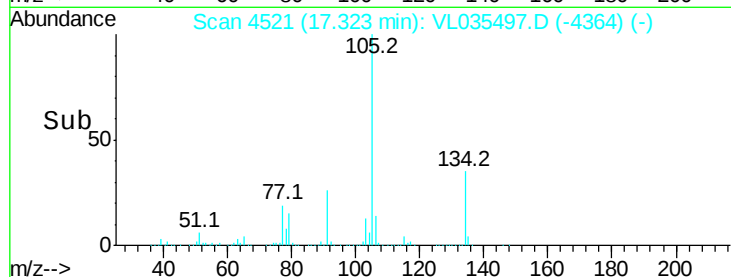
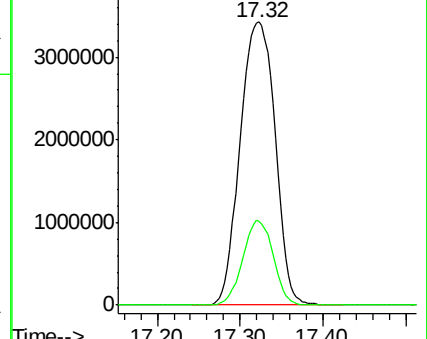
105 100

134 26.1 19.1 28.7



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: 9.962 ppbv

RT: 14.44 min Scan# 3623

Delta R.T. -0.00 min

Lab File: VL035497.D

Acq: 23 Aug 2020 12:04

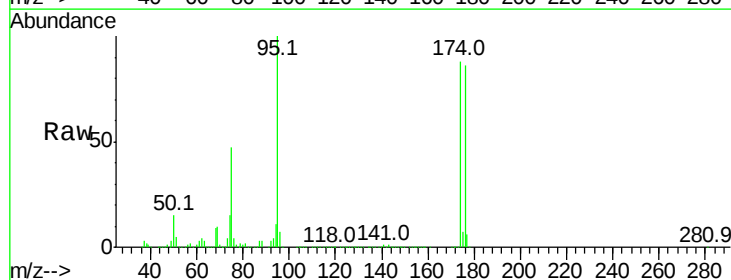
Tgt Ion: 95 Resp: 3336683

Ion Ratio Lower Upper

95 100

174 89.2 70.9 106.3

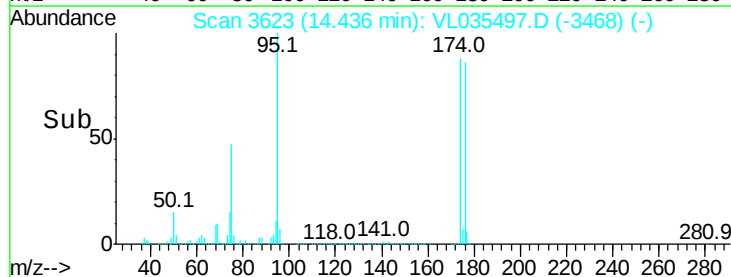
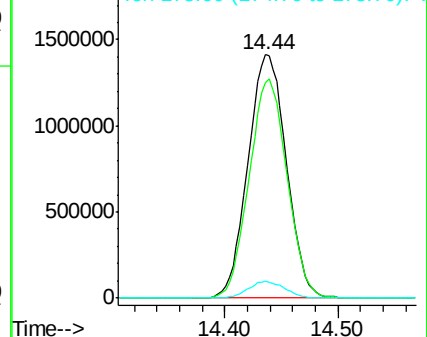
175 6.6 5.1 7.7

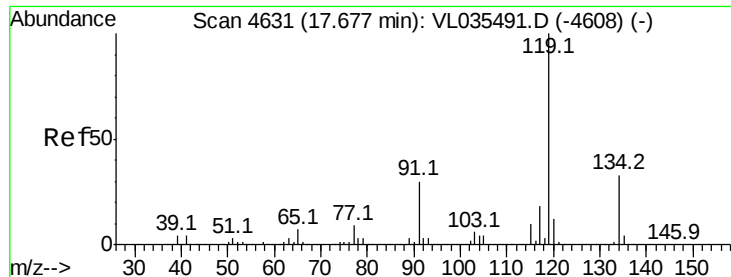


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

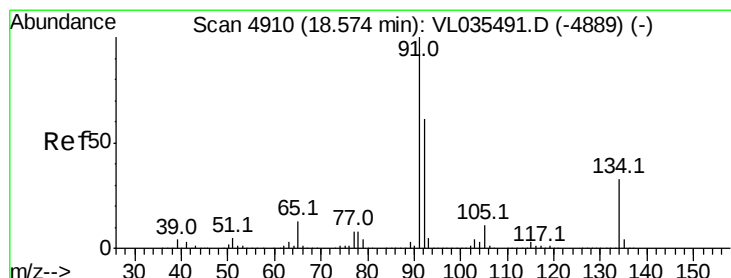
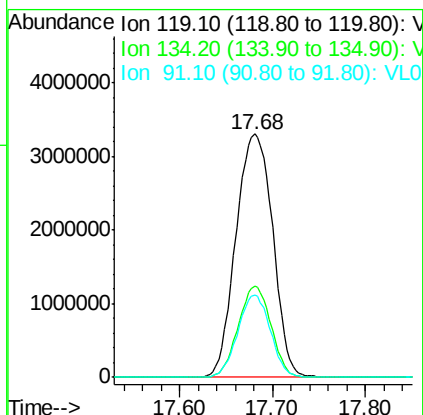
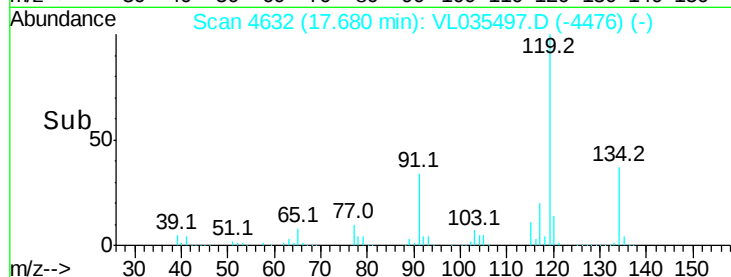
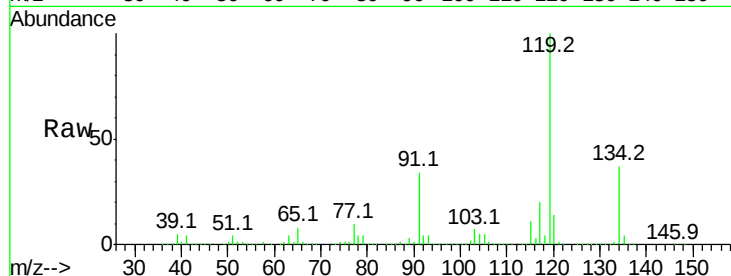




#69
p-Isopropyltoluene
Concen: 10.314 ppbv
RT: 17.68 min Scan# 4632
Delta R.T. 0.00 min
Lab File: VL035497.D
Acq: 23 Aug 2020 12:04

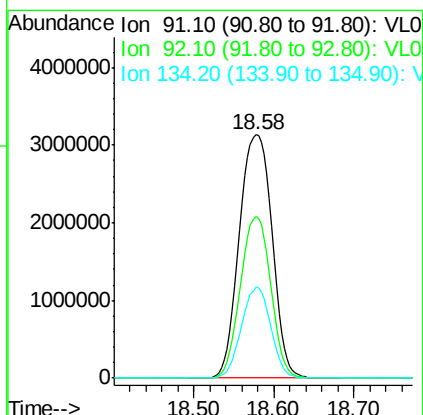
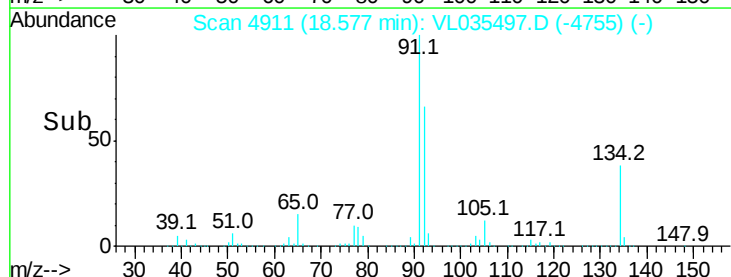
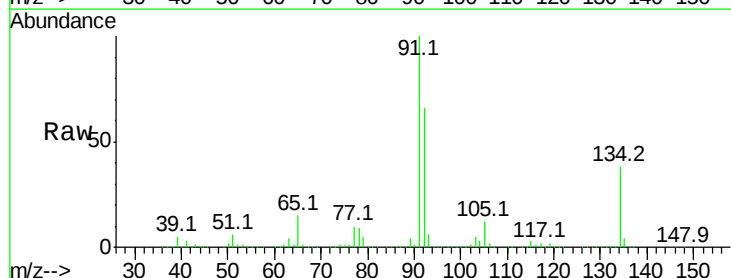
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

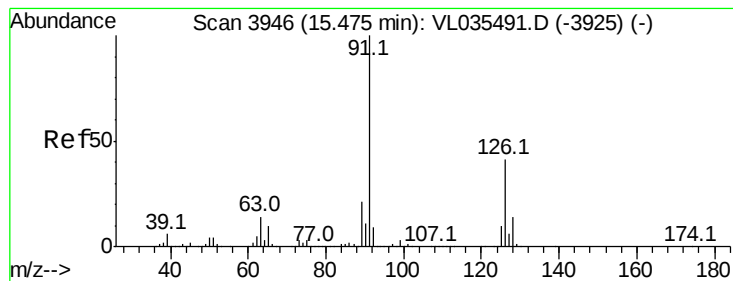
Tgt Ion:119 Resp: 9101814
Ion Ratio Lower Upper
119 100
134 33.5 24.9 37.3
91 30.0 22.0 33.0



#70
n-Butylbenzene
Concen: 10.451 ppbv
RT: 18.58 min Scan# 4911
Delta R.T. 0.00 min
Lab File: VL035497.D
Acq: 23 Aug 2020 12:04

Tgt Ion: 91 Resp: 8711404
Ion Ratio Lower Upper
91 100
92 61.2 47.0 70.6
134 33.2 24.9 37.3





#71

2-Chlorotoluene

Concen: 11.469 ppbv

RT: 15.48 min Scan# 3947

Delta R.T. 0.00 min

Lab File: VL035497.D

Acq: 23 Aug 2020 12:04

Instrument :

MSVOA_L

ClientSampleId :

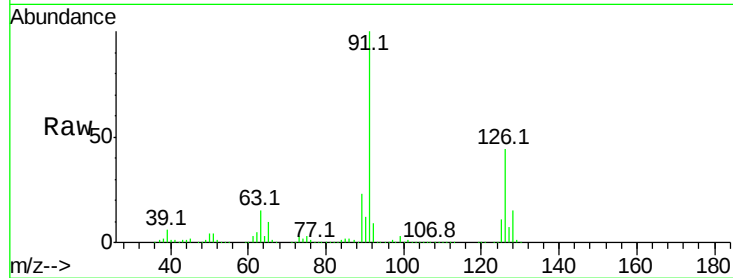
VSTDIC015

Tgt Ion: 91 Resp: 6471230

Ion Ratio Lower Upper

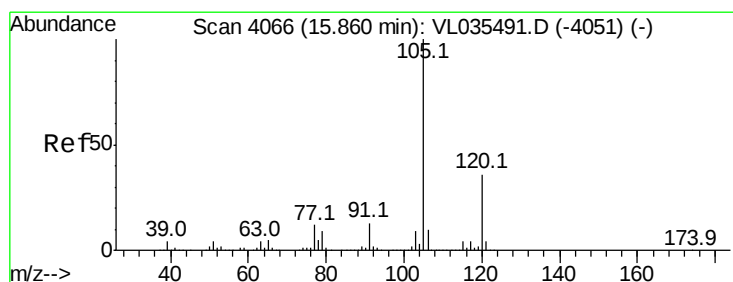
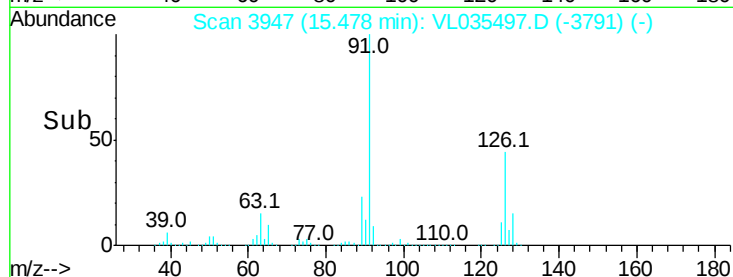
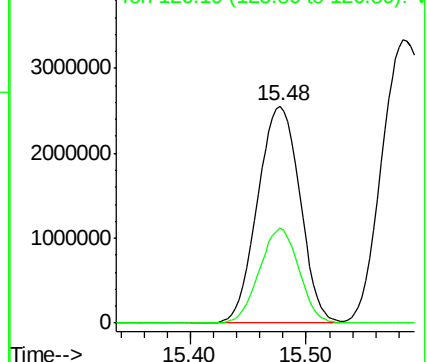
91 100

126 41.0 15.8 63.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): VL0



#72

4-Ethyltoluene

Concen: 11.346 ppbv

RT: 15.86 min Scan# 4067

Delta R.T. 0.00 min

Lab File: VL035497.D

Acq: 23 Aug 2020 12:04

Tgt Ion: 105 Resp: 7065112

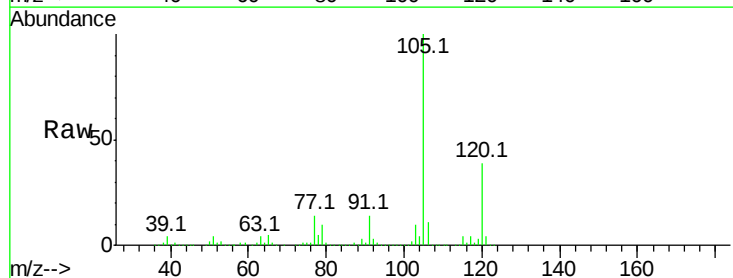
Ion Ratio Lower Upper

105 100

120 36.0 27.4 41.0

91 12.8 9.5 14.3

77 12.7 9.4 14.2

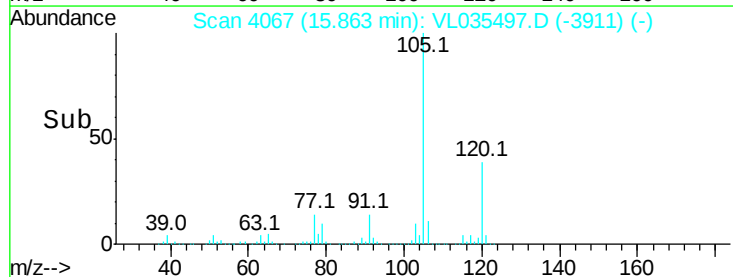
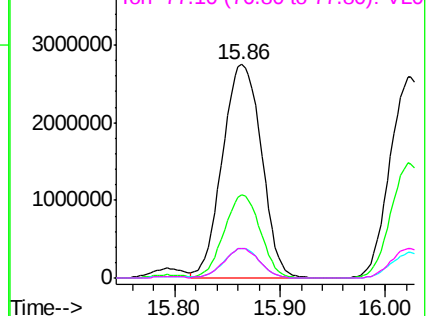


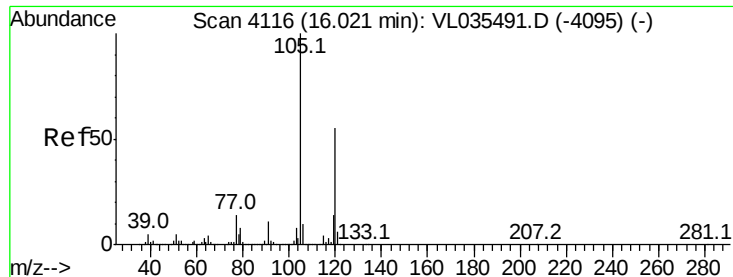
Abundance Ion 105.10 (104.80 to 105.80): VL0

Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#73

1,3,5-Trimethylbenzene

Concen: 11.412 ppbv

RT: 16.02 min Scan# 4117

Delta R.T. 0.00 min

Lab File: VL035497.D

Acq: 23 Aug 2020 12:04

Instrument :

MSVOA_L

ClientSampleId :

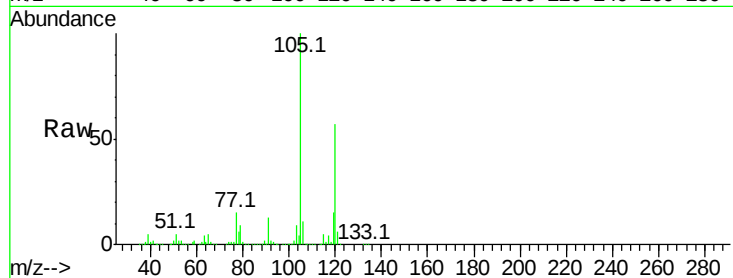
VSTDIC015

Tgt Ion:105 Resp: 6612021

Ion Ratio Lower Upper

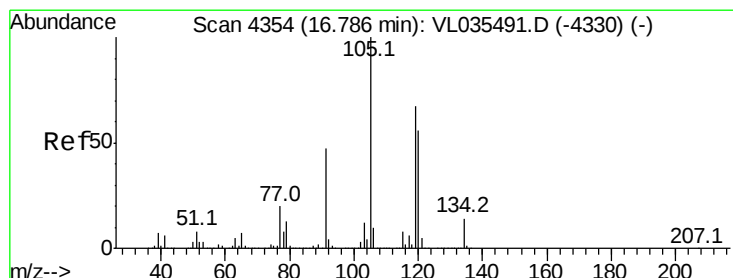
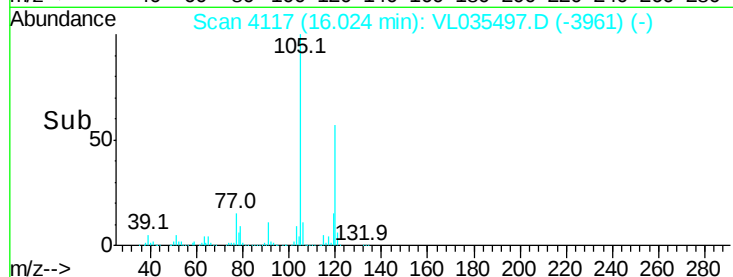
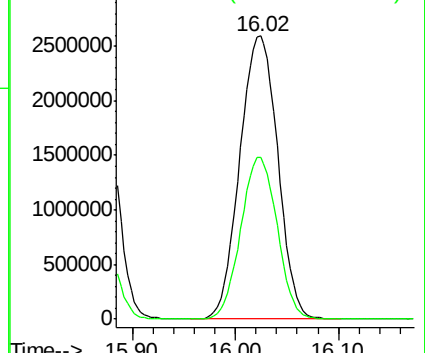
105 100

120 57.0 43.9 65.9



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 10.714 ppbv

RT: 16.79 min Scan# 4356

Delta R.T. 0.01 min

Lab File: VL035497.D

Acq: 23 Aug 2020 12:04

Tgt Ion:105 Resp: 6744682

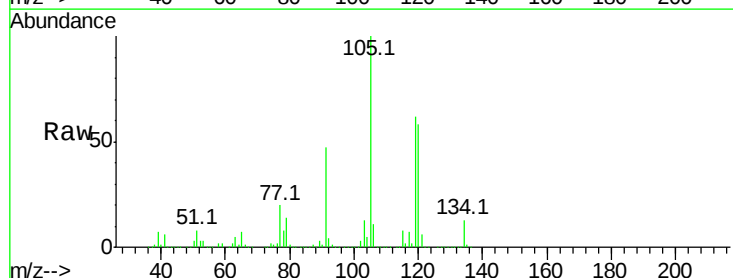
Ion Ratio Lower Upper

105 100

120 57.6 44.7 67.1

91 46.9 37.5 56.3

77 20.5 16.2 24.2

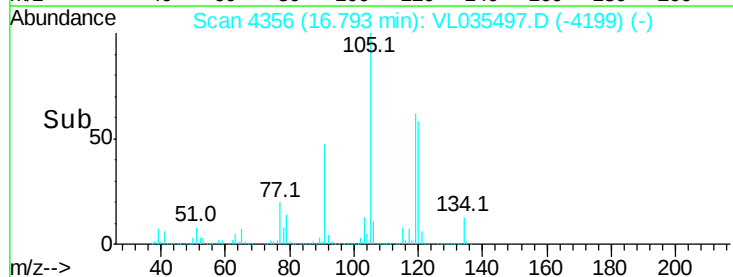
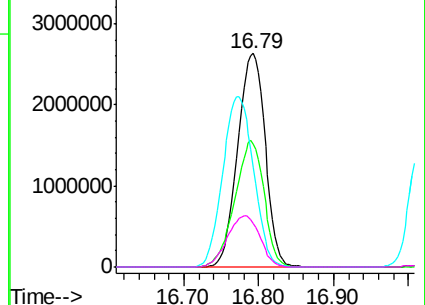


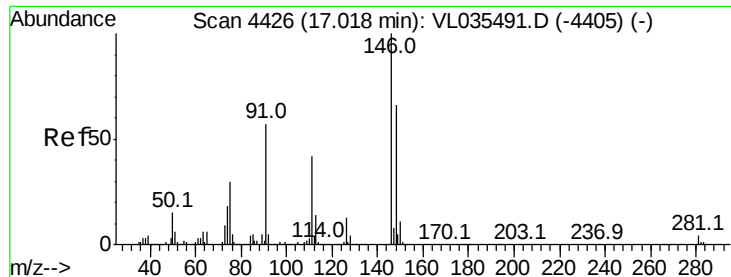
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

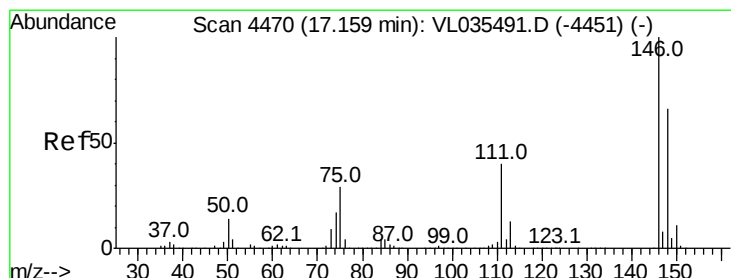
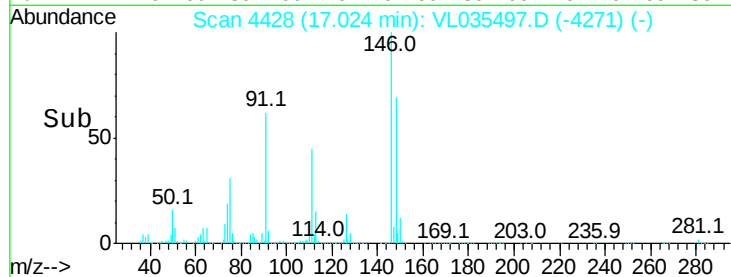
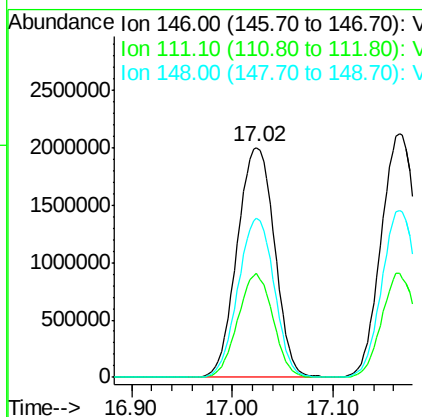
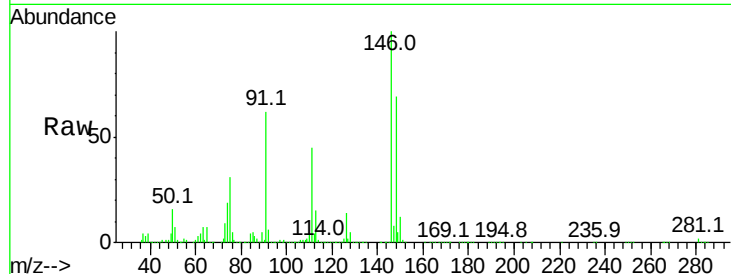




#75
 1,3-Dichlorobenzene
 Concen: 10.599 ppbv
 RT: 17.02 min Scan# 4428
 Delta R.T. 0.01 min
 Lab File: VL035497.D
 Acq: 23 Aug 2020 12:04

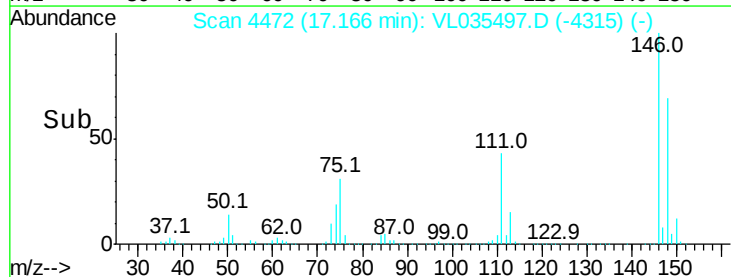
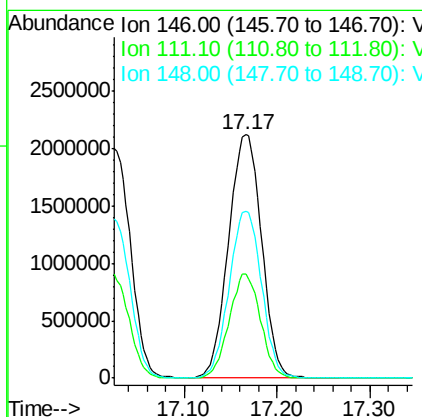
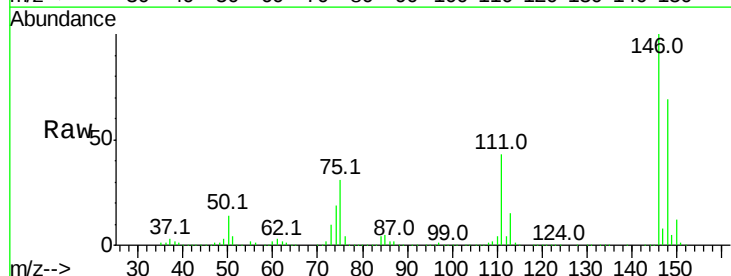
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

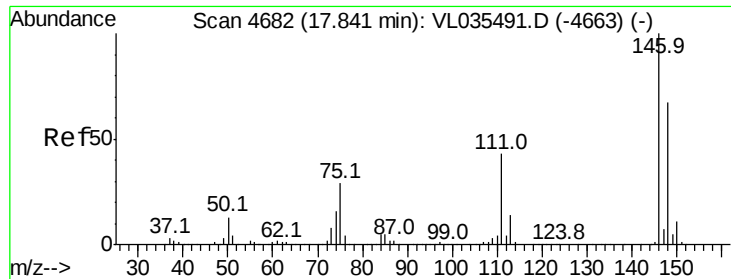
Tgt Ion:146 Resp: 5153405
 Ion Ratio Lower Upper
 146 100
 111 42.2 20.3 61.0
 148 66.9 33.1 99.5



#76
 1,4-Dichlorobenzene
 Concen: 10.953 ppbv
 RT: 17.17 min Scan# 4472
 Delta R.T. 0.01 min
 Lab File: VL035497.D
 Acq: 23 Aug 2020 12:04

Tgt Ion:146 Resp: 5248318
 Ion Ratio Lower Upper
 146 100
 111 40.5 19.6 58.8
 148 67.1 32.8 98.3





#77

1,2-Dichlorobenzene

Concen: 10.802 ppbv

RT: 17.84 min Scan# 4683

Delta R.T. 0.00 min

Lab File: VL035497.D

Acq: 23 Aug 2020 12:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

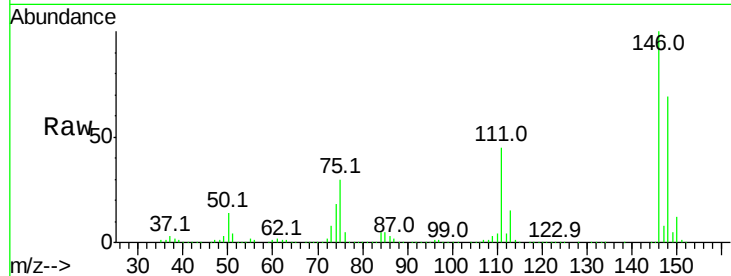
Tgt Ion:146 Resp: 5144496

Ion Ratio Lower Upper

146 100

111 43.1 21.0 63.0

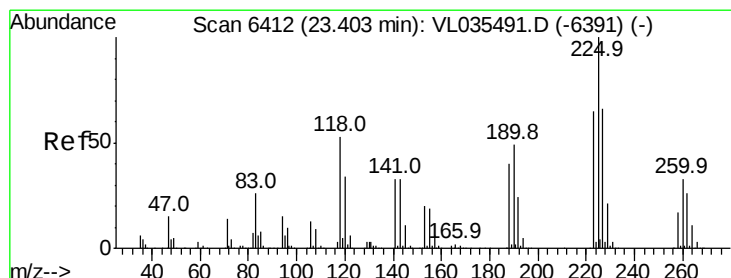
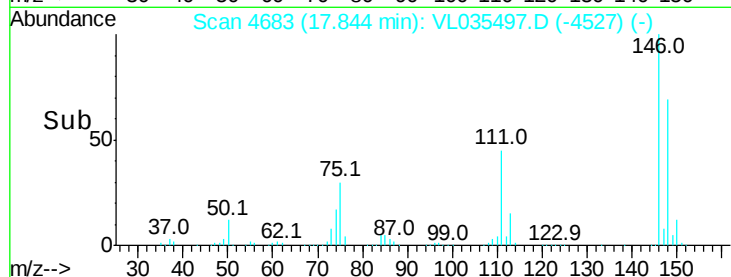
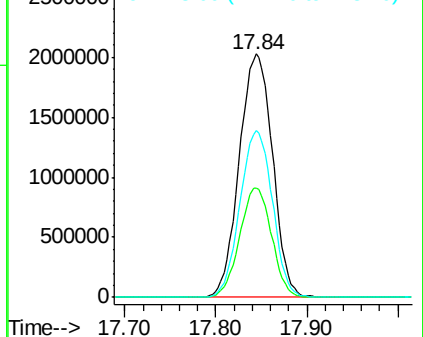
148 67.1 33.0 98.9



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: 9.177 ppbv

RT: 23.41 min Scan# 6413

Delta R.T. 0.00 min

Lab File: VL035497.D

Acq: 23 Aug 2020 12:04

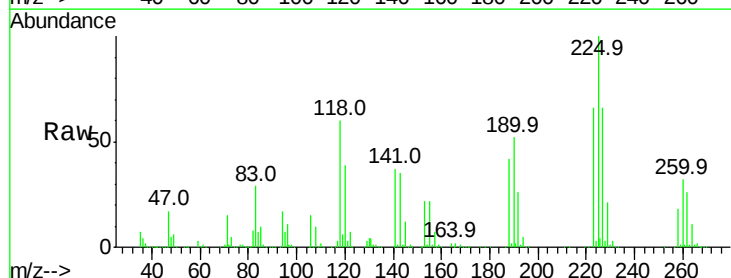
Tgt Ion:225 Resp: 3455780

Ion Ratio Lower Upper

225 100

223 65.0 51.4 77.2

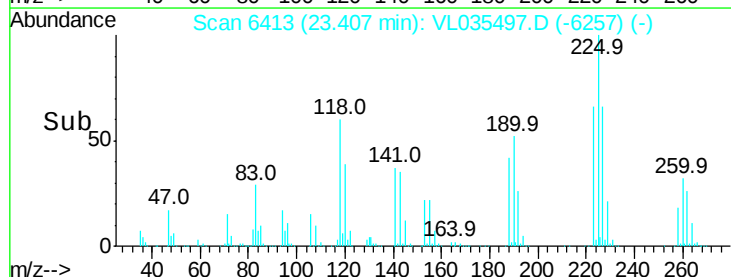
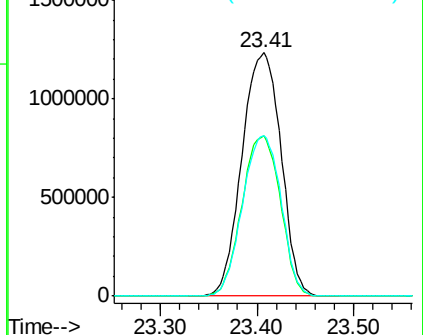
227 65.1 51.7 77.5

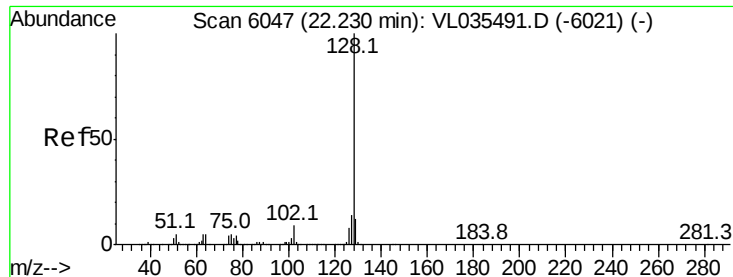


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 10.294 ppbv

RT: 22.24 min Scan# 6049

Delta R.T. 0.01 min

Lab File: VL035497.D

Acq: 23 Aug 2020 12:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

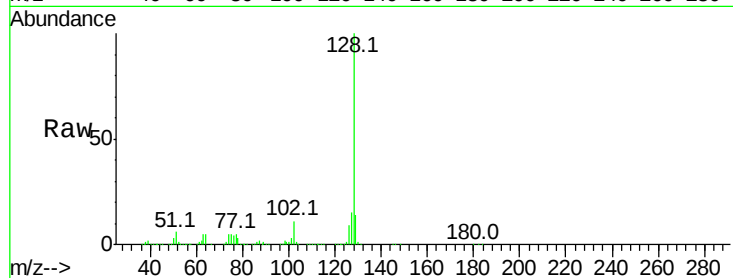
Tgt Ion:128 Resp: 9125787

Ion Ratio Lower Upper

128 100

127 15.5 11.4 17.0

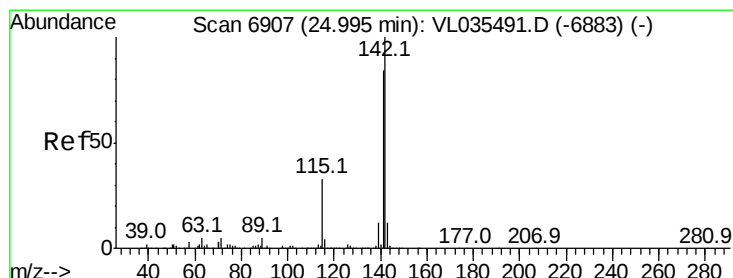
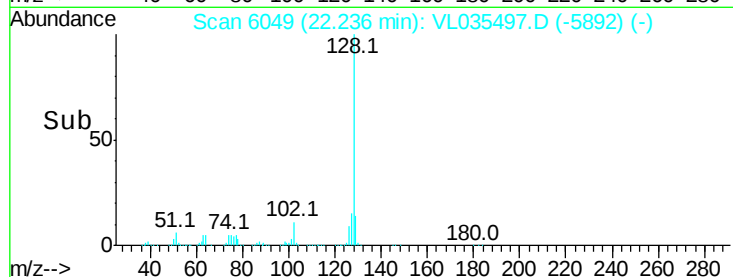
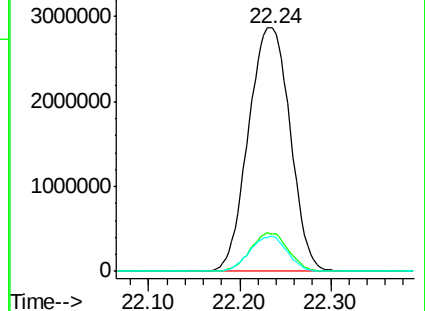
129 14.2 9.8 14.6



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: 11.673 ppbv

RT: 24.99 min Scan# 6907

Delta R.T. -0.00 min

Lab File: VL035497.D

Acq: 23 Aug 2020 12:04

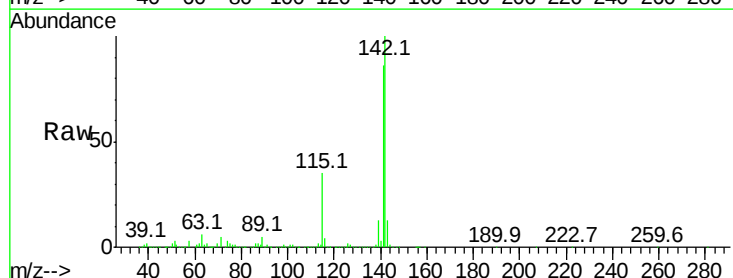
Tgt Ion:142 Resp: 4276646

Ion Ratio Lower Upper

142 100

141 84.6 67.1 100.7

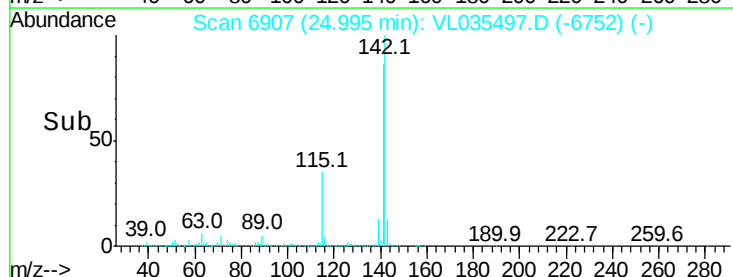
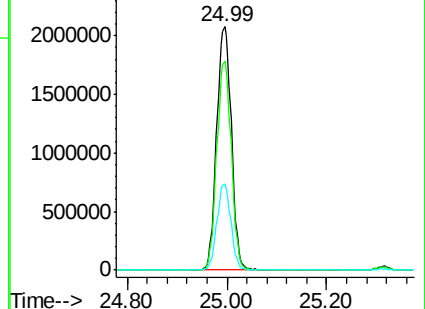
115 33.7 25.6 38.4

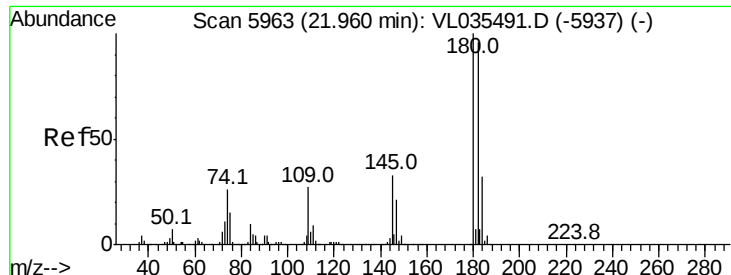


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81

1,2,4-Trichlorobenzene

Concen: 10.085 ppbv

RT: 21.96 min Scan# 5964

Delta R.T. 0.00 min

Lab File: VL035497.D

Acq: 23 Aug 2020 12:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

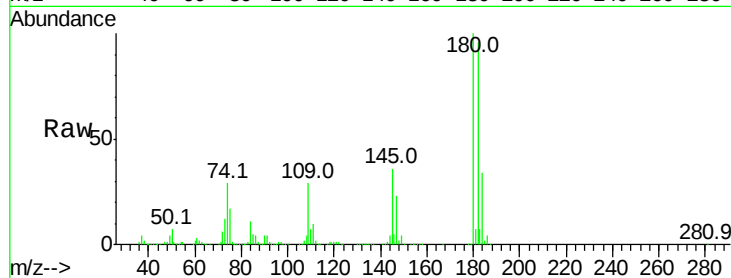
Tgt Ion:180 Resp: 5389573

Ion Ratio Lower Upper

180 100

182 95.5 76.6 115.0

184 32.3 25.4 38.0



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

