

Data File : VL034570.D
Acq On : 30 Jan 2020 13:23
Operator : SY/AP
Sample : VSTDIC001
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Quant Time: Jan 30 14:49:56 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL013020AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Jan 30 14:46:59 2020
QLast Update : Thu Jan 30 14:46:59 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1145621	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2377645	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	2353231	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	2026639	10.32	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.20%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.01	85	292453	1.619	ppbv	91
3) Chlorodifluoromethane	2.95	51	151051	1.107	ppbv	97
4) Chloromethane	3.10	50	94728	1.168	ppbv	93
5) Vinyl Chloride	3.22	62	80452	1.013	ppbv	90
6) Bromomethane	3.44	94	44654	1.130	ppbv	81
7) Chloroethane	3.53	64	32010	1.157	ppbv	98
8) Dichlorotetrafluoroethane	3.15	85	224605	1.240	ppbv	95
9) Propene	2.97	41	57866	1.100	ppbv	97
10) Heptane	8.13	43	143086	1.053	ppbv	96
11) Trichlorofluoromethane	3.92	101	255299	1.221	ppbv	95
12) 1,1,2-Trichlorotrifluoroet	4.46	101	159280	1.198	ppbv	95
13) Ethanol	3.57	45	18391	1.260	ppbv	90
14) Bromoethene	3.71	108	62288	1.158	ppbv	97
15) Acetone	3.83	43	185476	1.109	ppbv	95
16) 1,3-Butadiene	3.29	39	71360	1.110	ppbv	94
17) tert-Butyl alcohol	4.28	59	143564	1.072	ppbv	98
18) 1,1-Dichloroethene	4.26	96	66946	1.156	ppbv	93
19) Isopropyl Alcohol	3.94	45	107877	0.997	ppbv #	95
20) Methylene Chloride	4.32	84	72106	1.096	ppbv	90
21) Allyl Chloride	4.39	41	111135	1.157	ppbv	98
22) trans-1,2-Dichloroethene	4.87	96	72423	1.229	ppbv	93
23) Vinyl Acetate	5.06	43	192694	0.998	ppbv #	98
24) 1,1-Dichloroethane	4.99	63	174746	1.127	ppbv	99
25) Ethyl Acetate	5.67	43	296788	1.137	ppbv	98
26) Hexane	5.67	57	122469	1.113	ppbv	94
27) Carbon Disulfide	4.53	76	158273	1.138	ppbv	97
28) Methyl tert-Butyl Ether	5.02	73	217496	1.184	ppbv	98
29) Chloroform	5.74	83	222354	1.168	ppbv	98
30) Cyclohexane	7.13	84	86579	1.059	ppbv	96
31) cis-1,2-Dichloroethene	5.54	61	127261	1.135	ppbv	93
32) 1,1,1-Trichloroethane	6.51	97	221506	1.121	ppbv	98
34) 2-Butanone	5.24	43	185989	1.095	ppbv	97
35) Carbon Tetrachloride	7.02	117	231176	1.072	ppbv	97
36) Benzene	6.89	78	219411	1.059	ppbv	96
37) 1,2-Dichloroethane	6.30	62	187235	1.112	ppbv	99
38) Trichloroethene	7.84	130	94976	1.134	ppbv	89
39) 1,2-Dichloropropane	7.62	63	92747	1.088	ppbv	95
40) 1,4-Dioxane	7.85	88	12484	0.362	ppbv #	1
41) Tetrahydrofuran	6.05	42	33389	0.383	ppbv #	38
42) Bromodichloromethane	7.80	83	226882	1.096	ppbv #	94
43) Methyl Methacrylate	8.02	69	82595	0.977	ppbv	96

Data File : VL034570.D
Acq On : 30 Jan 2020 13:23
Operator : SY/AP
Sample : VSTDIC001
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Quant Time: Jan 30 14:49:56 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL013020AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan 30 14:46:59 2020
QLast Update : Thu Jan 30 14:46:59 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	208032	0.543	ppbv #	41
45) t-1,3-Dichloropropene	9.29	75	99931	0.918	ppbv	98
46) cis-1,3-Dichloropropene	8.72	75	117914	0.947	ppbv	98
47) 1,1,2-Trichloroethane	9.49	97	53226	0.567	ppbv	92
48) Dibromochloromethane	10.33	129	85508	0.525	ppbv #	10
49) Bromoform	13.07	173	148486	1.007	ppbv	99
50) 4-Methyl-2-Pentanone	8.76	43	136739	0.554	ppbv #	57
51) 2-Hexanone	10.16	43	192557	0.967	ppbv #	96
52) Tetrachloroethene	11.25	164	82975	1.026	ppbv	91
53) Toluene	9.83	91	233499	1.025	ppbv	96
54) 1,2-Dibromoethane	10.63	107	67112	0.491	ppbv	87
56) 1,1,1,2-Tetrachloroethane	12.15	131	126872	1.117	ppbv #	1
57) Chlorobenzene	12.17	112	208981	1.076	ppbv #	93
58) Ethyl Benzene	12.74	91	341351	1.076	ppbv	92
59) m/p-Xylene	13.02	91	314369	1.133	ppbv #	42
60) o-Xylene	13.72	91	301427	1.082	ppbv	97
61) Styrene	13.56	104	190709	1.002	ppbv	98
62) Isopropylbenzene	14.70	105	396067	1.087	ppbv	97
63) 1,1,2,2-Tetrachloroethane	13.71	83	225589	1.010	ppbv	98
64) n-propylbenzene	15.59	120	101562	1.092	ppbv	89
65) tert-Butylbenzene	16.78	119	354763	1.078	ppbv	94
66) Benzyl Chloride	17.03	91	60636	0.420	ppbv #	60
67) sec-Butylbenzene	17.33	105	495612	1.072	ppbv	99
69) p-Isopropyltoluene	17.69	119	402467	1.074	ppbv	99
70) n-Butylbenzene	18.59	91	432808	1.070	ppbv	96
71) 2-Chlorotoluene	15.48	91	296678	1.049	ppbv	98
72) 4-Ethyltoluene	15.87	105	324509	1.041	ppbv	99
73) 1,3,5-Trimethylbenzene	16.03	105	320208	1.047	ppbv	92
74) 1,2,4-Trimethylbenzene	16.80	105	368551	1.127	ppbv #	88
75) 1,3-Dichlorobenzene	17.03	146	213676	1.091	ppbv	99
76) 1,4-Dichlorobenzene	17.18	146	126545	0.671	ppbv #	50
77) 1,2-Dichlorobenzene	17.86	146	205576	1.117	ppbv	98
78) Hexachloro-1,3-Butadiene	23.42	225	111697	0.639	ppbv #	29
79) Naphthalene	22.26	128	153368	0.623	ppbv	95
80) Naphthalene,2-methyl-	25.02	142	90477	1.326	ppbv #	94
81) 1,2,4-Trichlorobenzene	22.00	180	173807	1.084	ppbv	97

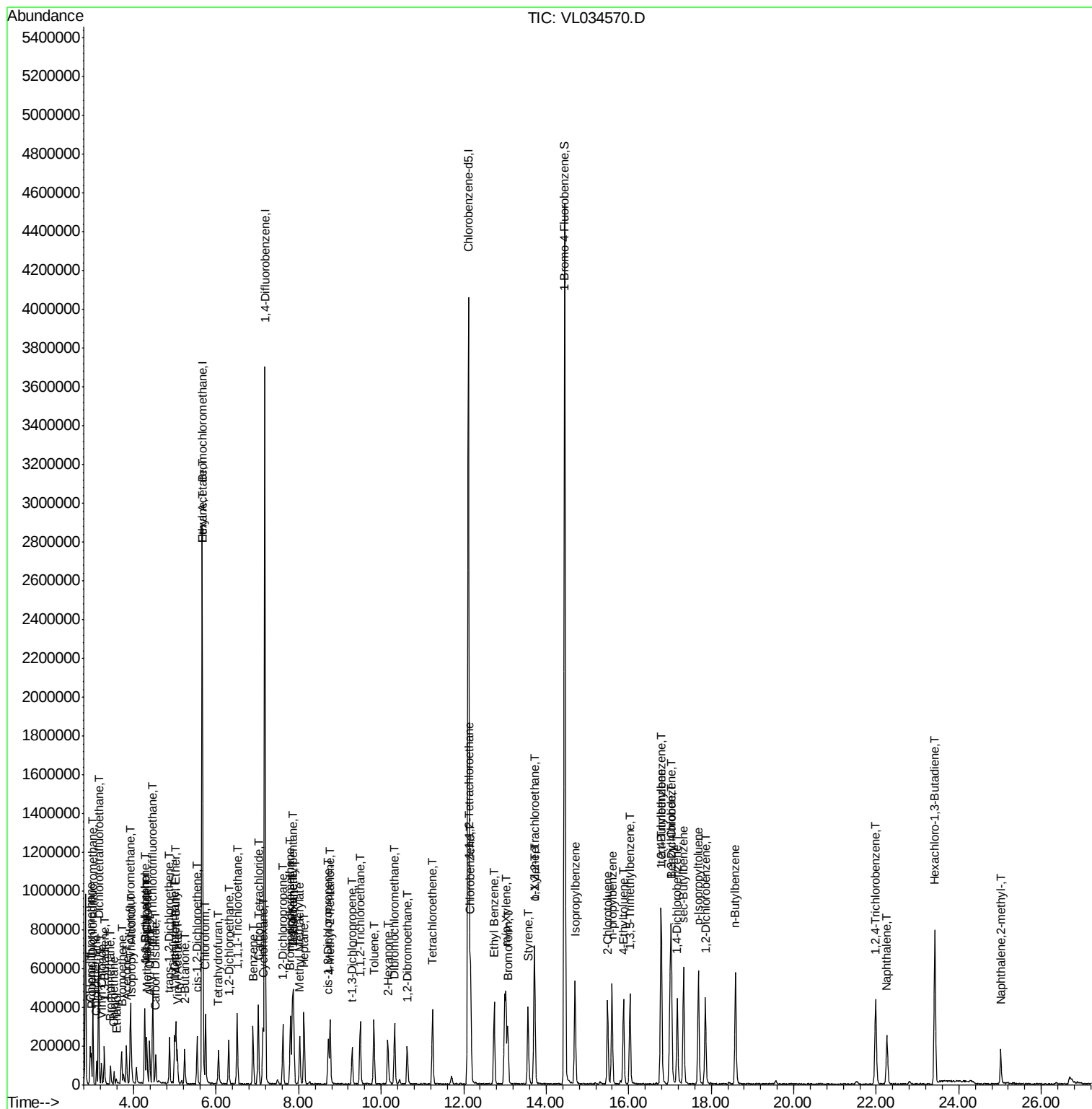
(#) = qualifier out of range (m) = manual integration (+) = signals summed

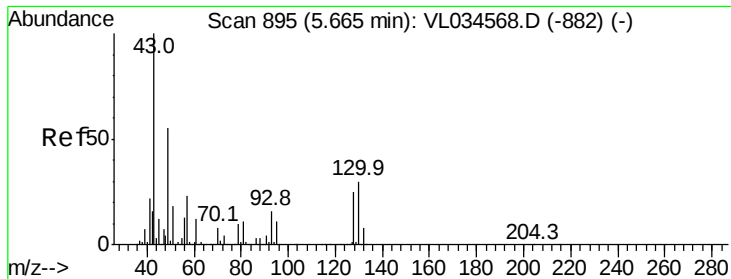
Data File : VL034570.D

```
Acq On       : 30 Jan 2020 13:23
Operator    : SY/AP
Sample      : VSTDICC001
Misc       : 400ml/MSVOA_L
ALS Vial    : 1      Sample Multipl
```

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Quant Time: Jan 30 14:49:56 2020
Quant Method : Z:\VQASRV\HPCHEM1\MSVOA_L\METHODS\VL013020AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan 30 14:46:59 2020
QLast Update : Thu Jan 30 14:46:59 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 893

Delta R.T. -0.01 min

Lab File: VL034570.D

Acq: 30 Jan 2020 13:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

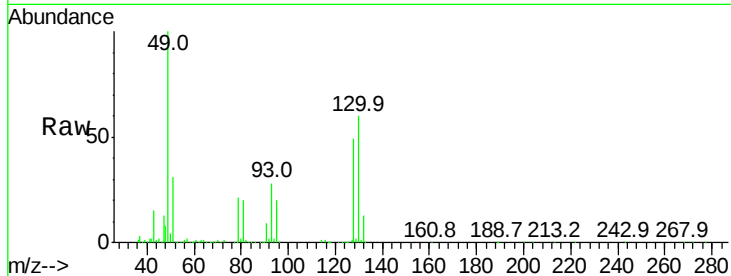
Tgt Ion: 49 Resp: 1145621

Ion Ratio Lower Upper

49 100

128 46.7 22.4 67.2

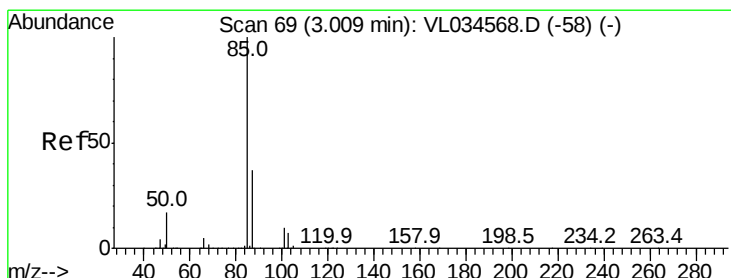
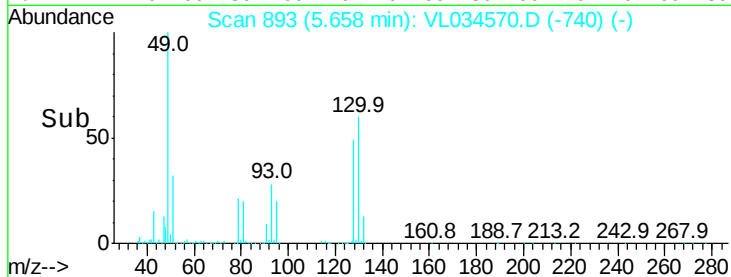
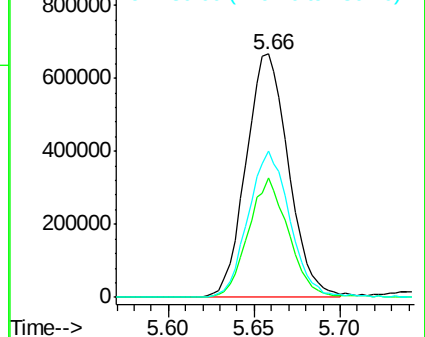
130 59.7 28.3 85.0



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 1.619 ppbv

RT: 3.01 min Scan# 69

Delta R.T. -0.00 min

Lab File: VL034570.D

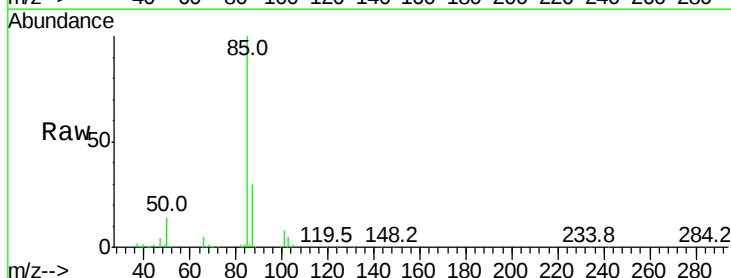
Acq: 30 Jan 2020 13:23

Tgt Ion: 85 Resp: 292453

Ion Ratio Lower Upper

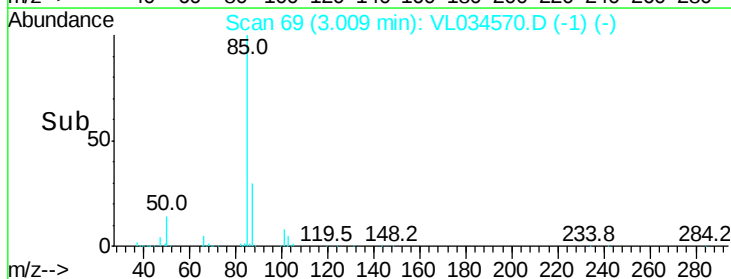
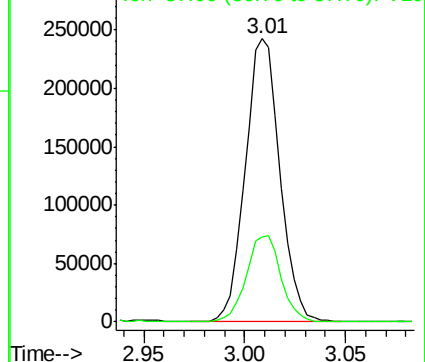
85 100

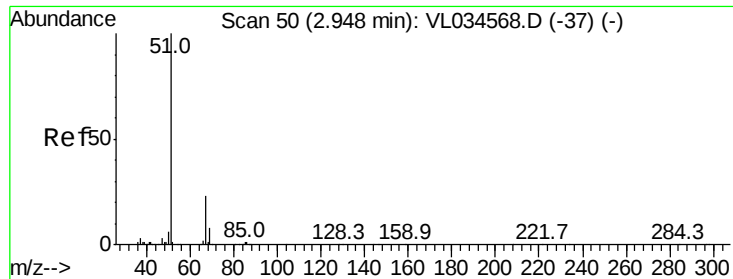
87 29.7 27.9 41.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

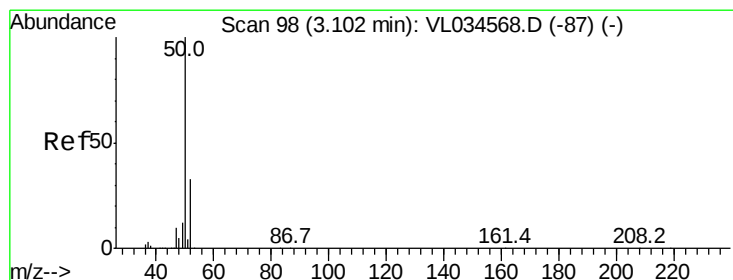
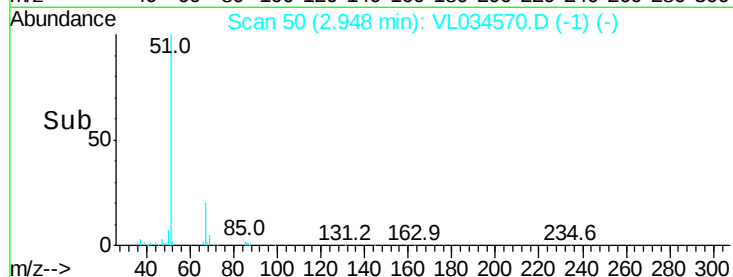
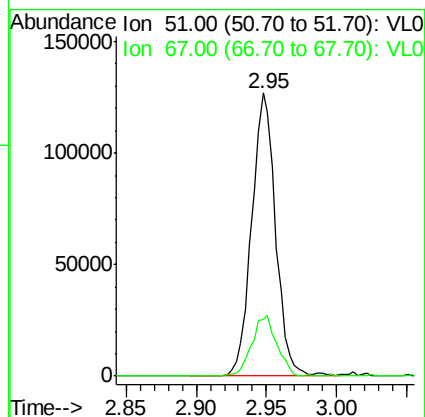
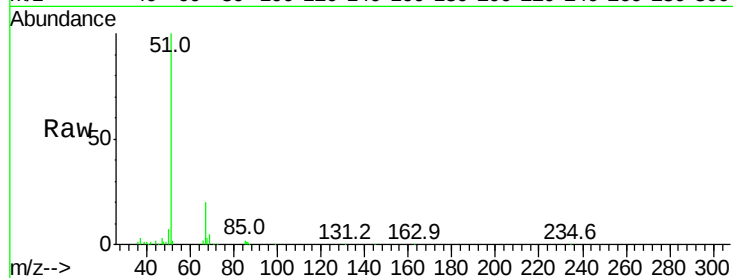




#3
 Chlorodifluoromethane
 Concen: 1.107 ppbv
 RT: 2.95 min Scan# 50
 Delta R.T. -0.00 min
 Lab File: VL034570.D
 Acq: 30 Jan 2020 13:23

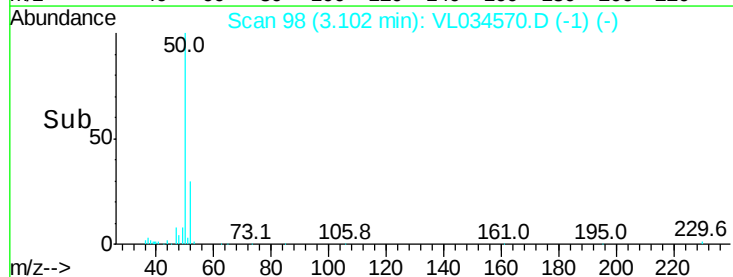
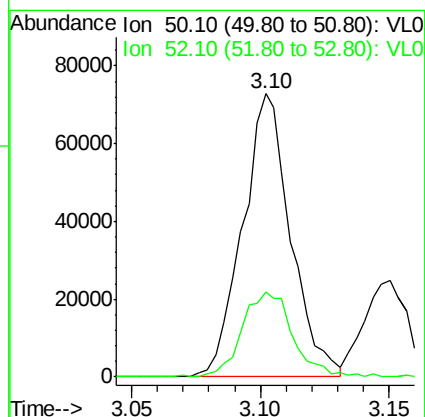
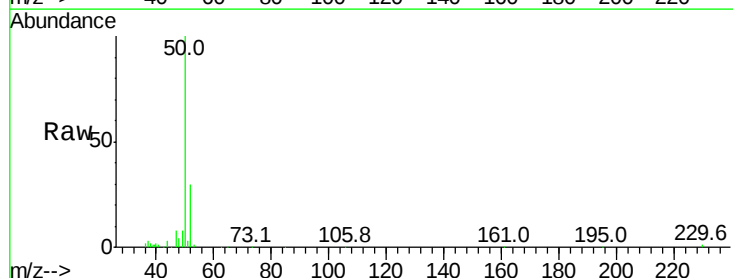
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

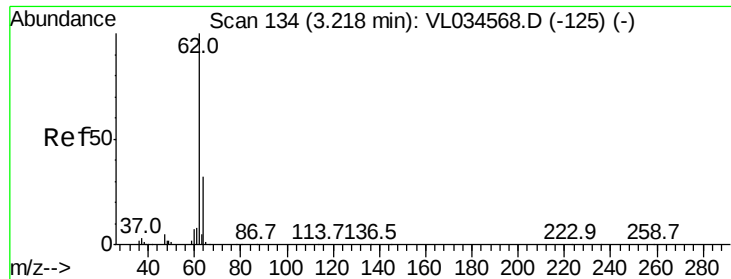
Tgt Ion: 51 Resp: 151051
 Ion Ratio Lower Upper
 51 100
 67 22.5 16.8 25.2



#4
 Chloromethane
 Concen: 1.168 ppbv
 RT: 3.10 min Scan# 98
 Delta R.T. -0.00 min
 Lab File: VL034570.D
 Acq: 30 Jan 2020 13:23

Tgt Ion: 50 Resp: 94728
 Ion Ratio Lower Upper
 50 100
 52 30.2 27.6 41.4





#5

Vinyl Chloride

Concen: 1.013 ppbv

RT: 3.22 min Scan# 135

Delta R.T. 0.00 min

Lab File: VL034570.D

Acq: 30 Jan 2020 13:23

Instrument :

MSVOA_L

ClientSampleId :

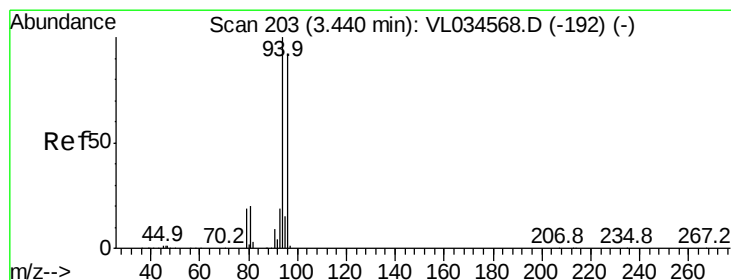
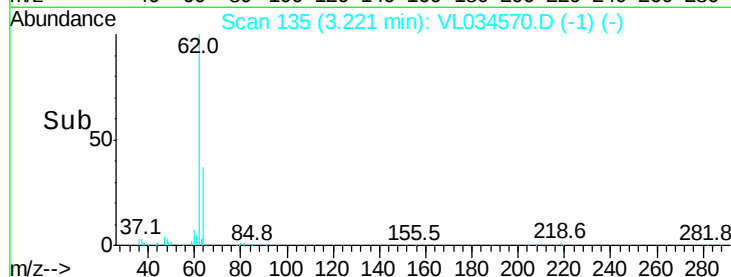
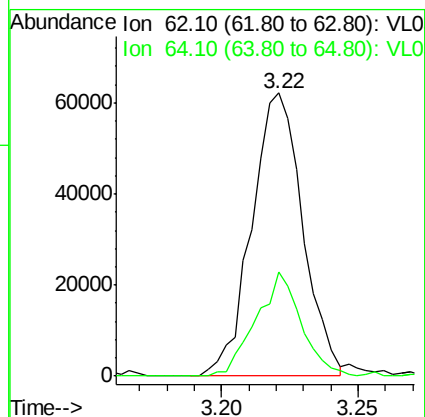
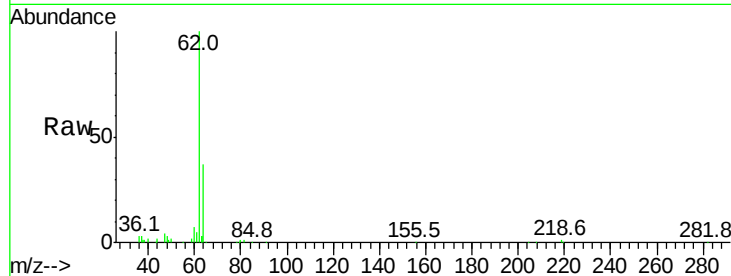
VSTDIC001

Tgt Ion: 62 Resp: 80452

Ion Ratio Lower Upper

62 100

64 36.6 24.9 37.3



#6

Bromomethane

Concen: 1.130 ppbv

RT: 3.44 min Scan# 202

Delta R.T. -0.00 min

Lab File: VL034570.D

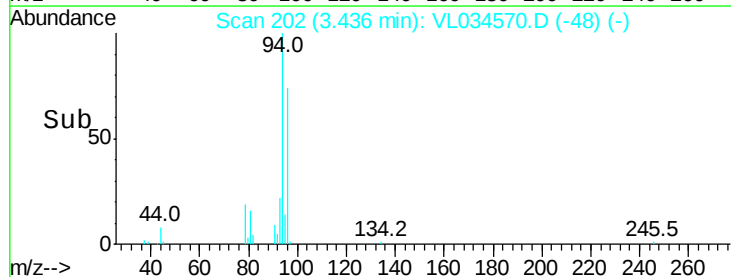
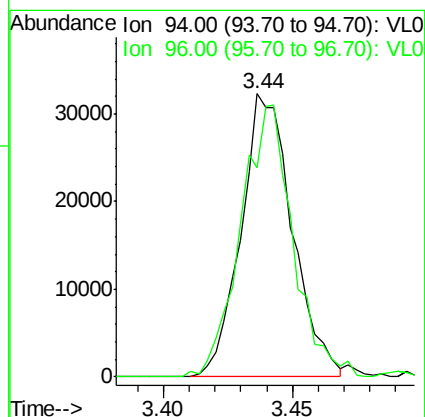
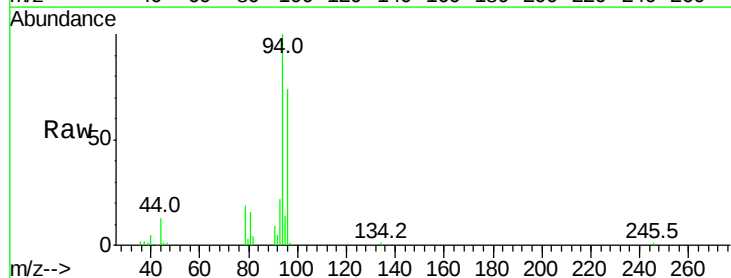
Acq: 30 Jan 2020 13:23

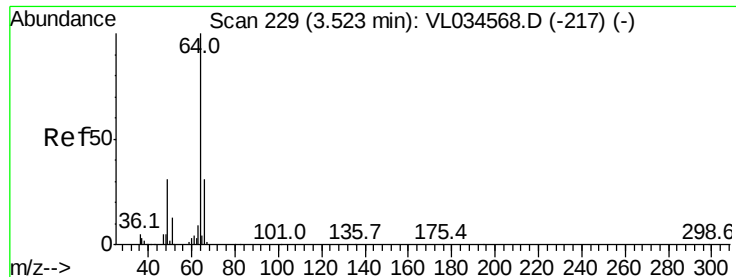
Tgt Ion: 94 Resp: 44654

Ion Ratio Lower Upper

94 100

96 71.6 71.2 106.8





#7

Chloroethane

Concen: 1.157 ppbv

RT: 3.53 min Scan# 230

Delta R.T. 0.00 min

Lab File: VL034570.D

Acq: 30 Jan 2020 13:23

Instrument :

MSVOA_L

ClientSampleId :

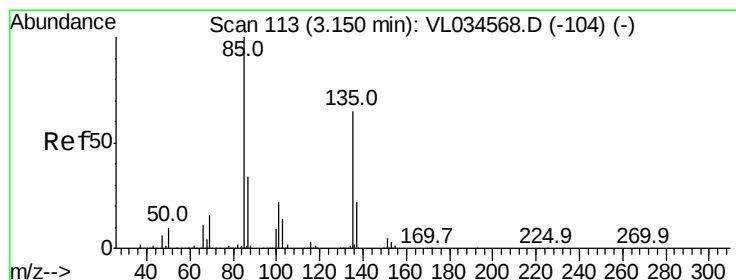
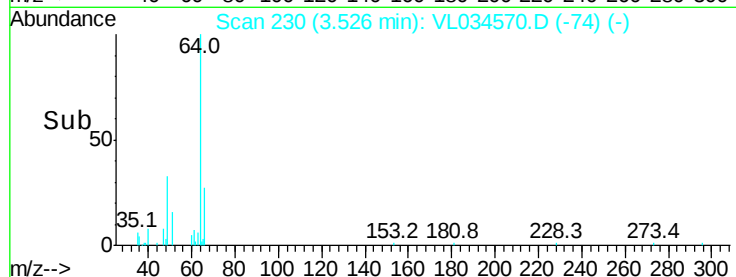
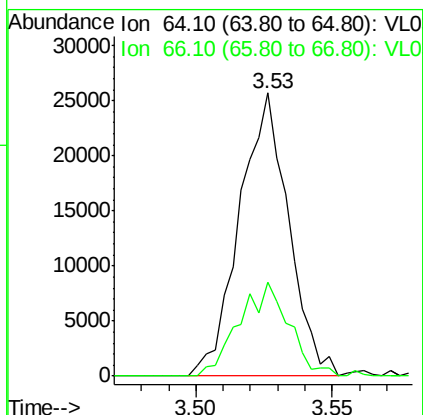
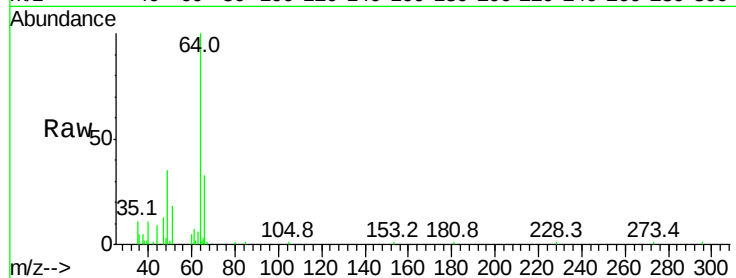
VSTDIC001

Tgt Ion: 64 Resp: 32010

Ion Ratio Lower Upper

64 100

66 32.5 25.0 37.4



#8

Dichlorotetrafluoroethane

Concen: 1.240 ppbv

RT: 3.15 min Scan# 113

Delta R.T. -0.00 min

Lab File: VL034570.D

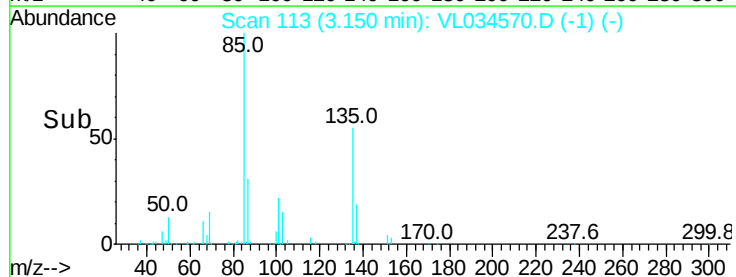
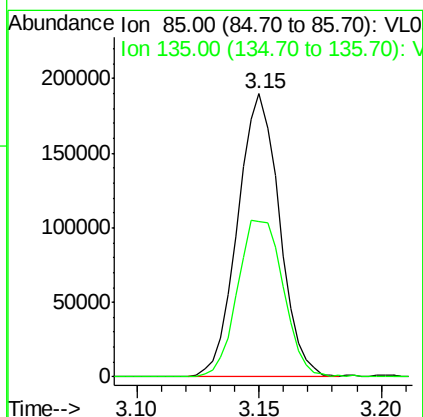
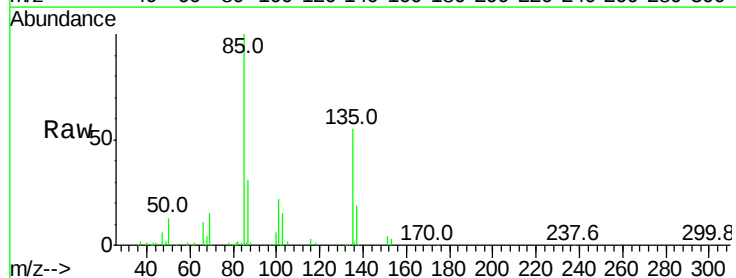
Acq: 30 Jan 2020 13:23

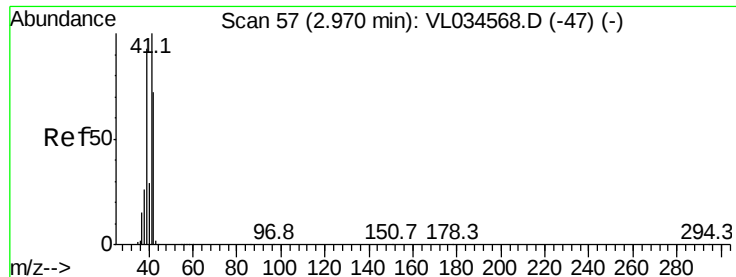
Tgt Ion: 85 Resp: 224605

Ion Ratio Lower Upper

85 100

135 61.1 51.8 77.8





#9

Propene

Concen: 1.100 ppbv

RT: 2.97 min Scan# 57

Delta R.T. -0.00 min

Lab File: VL034570.D

Acq: 30 Jan 2020 13:23

Instrument :

MSVOA_L

ClientSampleId :

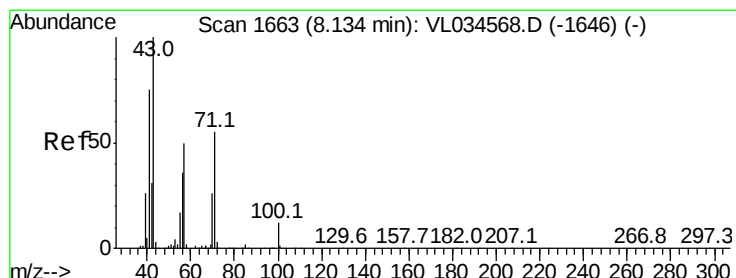
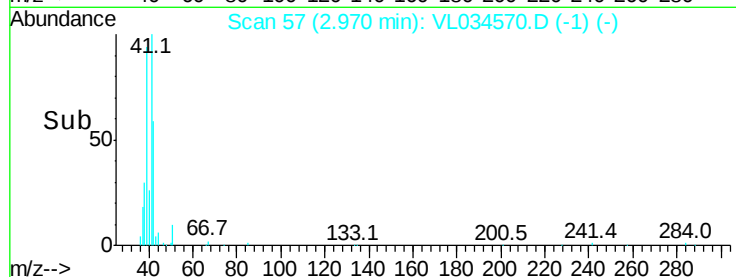
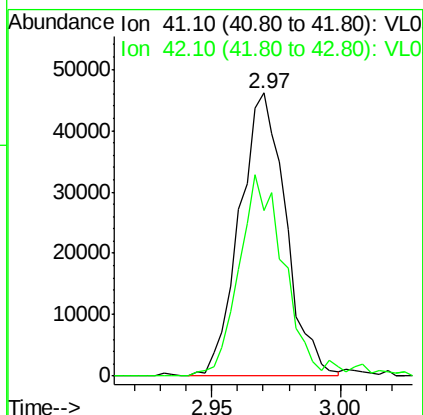
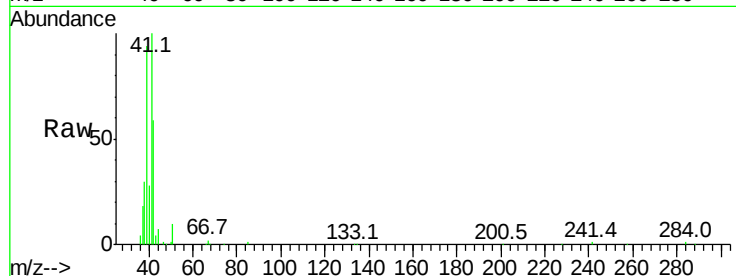
VSTDIC001

Tgt Ion: 41 Resp: 57866

Ion Ratio Lower Upper

41 100

42 71.8 55.8 83.6



#10

Heptane

Concen: 1.053 ppbv

RT: 8.13 min Scan# 1661

Delta R.T. -0.01 min

Lab File: VL034570.D

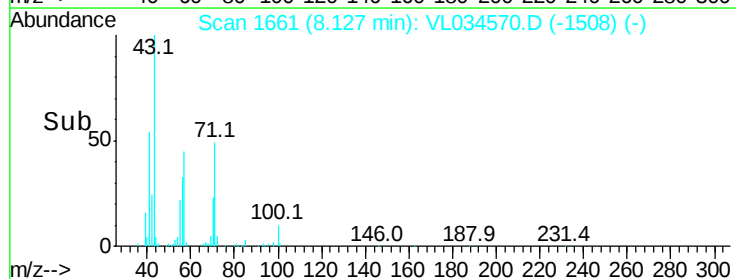
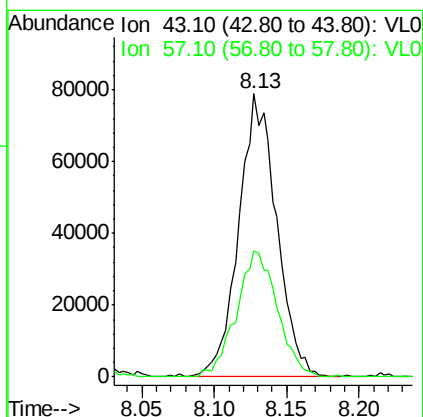
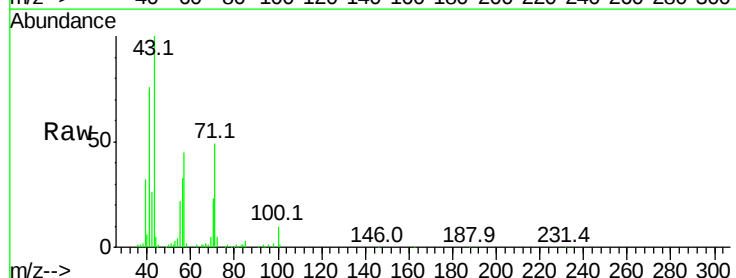
Acq: 30 Jan 2020 13:23

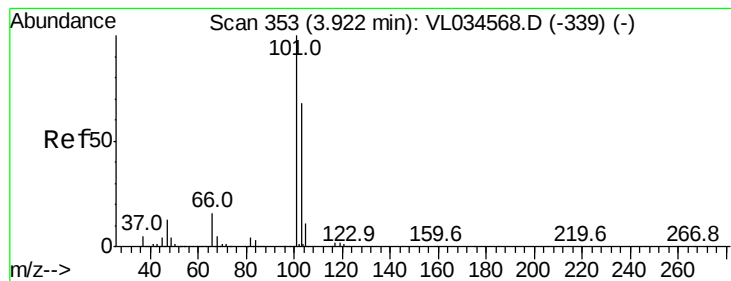
Tgt Ion: 43 Resp: 143086

Ion Ratio Lower Upper

43 100

57 48.2 41.0 61.6





#11

Trichlorofluoromethane

Concen: 1.221 ppbv

RT: 3.92 min Scan# 353

Delta R.T. -0.00 min

Lab File: VL034570.D

Acq: 30 Jan 2020 13:23

Instrument :

MSVOA_L

ClientSampleId :

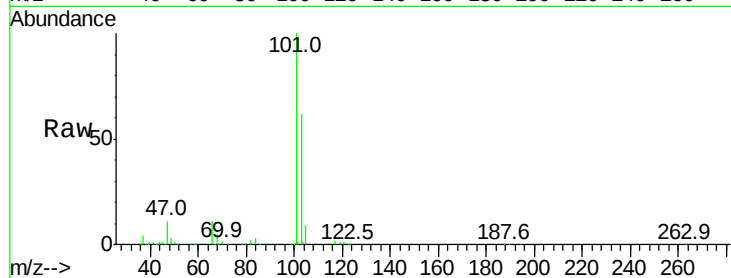
VSTDIC001

Tgt Ion:101 Resp: 255299

Ion Ratio Lower Upper

101 100

103 61.4 52.1 78.1



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

3.92

200000

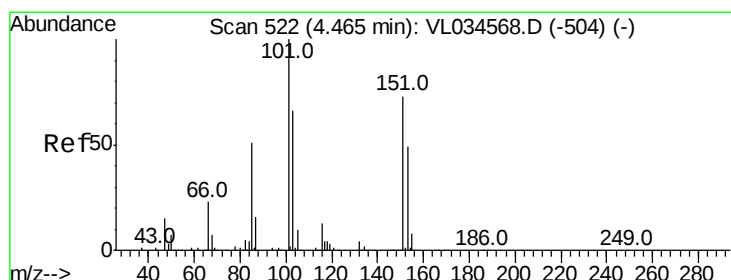
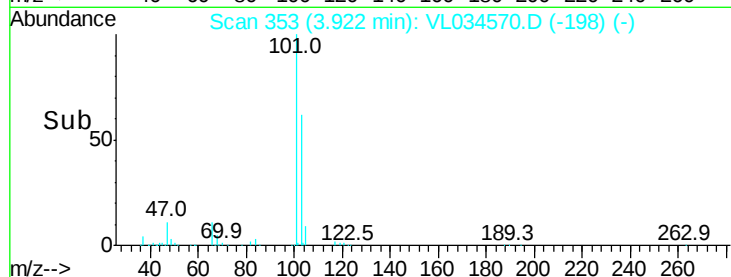
150000

100000

50000

0

Time--> 3.85 3.90 3.95



#12

1,1,2-Trichlorotrifluoroethane

Concen: 1.198 ppbv

RT: 4.46 min Scan# 521

Delta R.T. -0.00 min

Lab File: VL034570.D

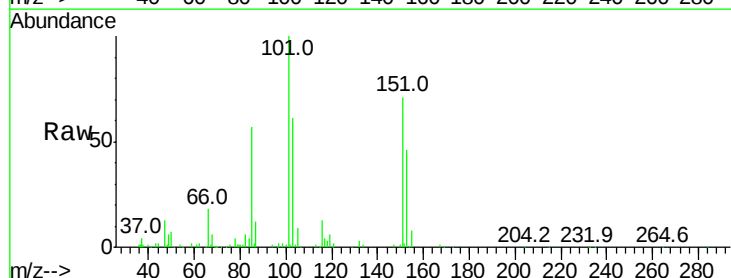
Acq: 30 Jan 2020 13:23

Tgt Ion:101 Resp: 159280

Ion Ratio Lower Upper

101 100

151 76.0 57.8 86.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

4.46

100000

80000

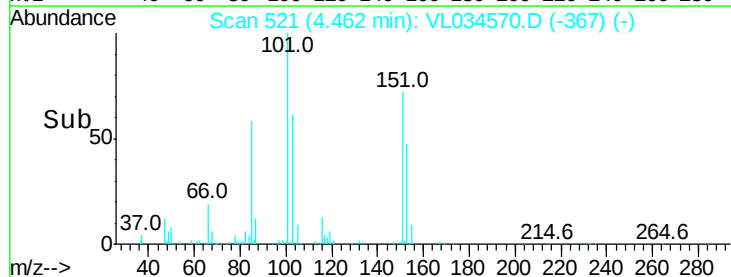
60000

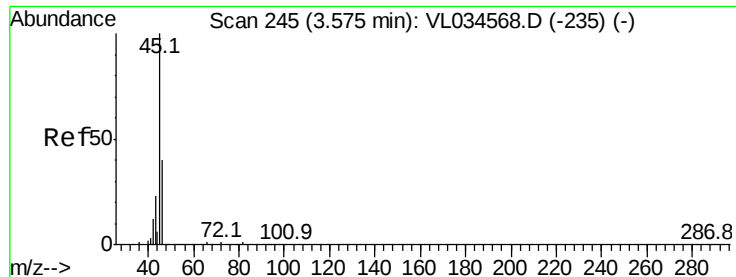
40000

20000

0

Time--> 4.40 4.45 4.50





#13

Ethanol

Concen: 1.260 ppbv

RT: 3.57 min Scan# 245

Delta R.T. -0.00 min

Lab File: VL034570.D

Acq: 30 Jan 2020 13:23

Instrument :

MSVOA_L

ClientSampleId :

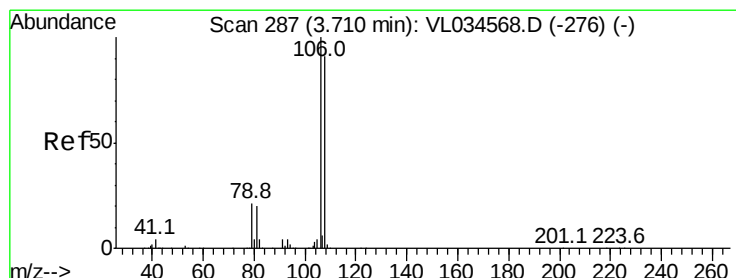
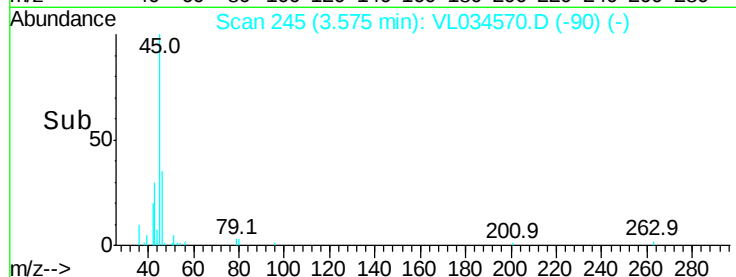
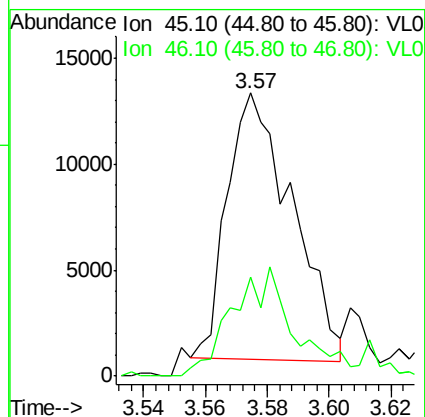
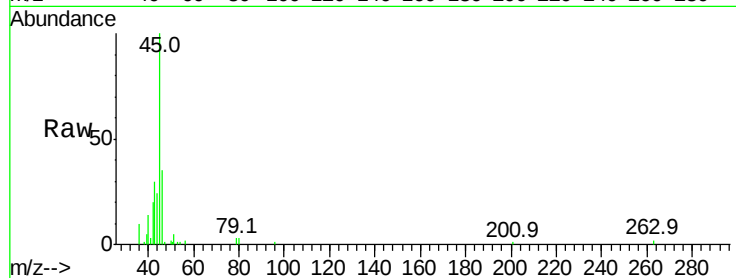
VSTDIC001

Tgt Ion: 45 Resp: 18391

Ion Ratio Lower Upper

45 100

46 43.0 14.9 59.7



#14

Bromoethene

Concen: 1.158 ppbv

RT: 3.71 min Scan# 287

Delta R.T. -0.00 min

Lab File: VL034570.D

Acq: 30 Jan 2020 13:23

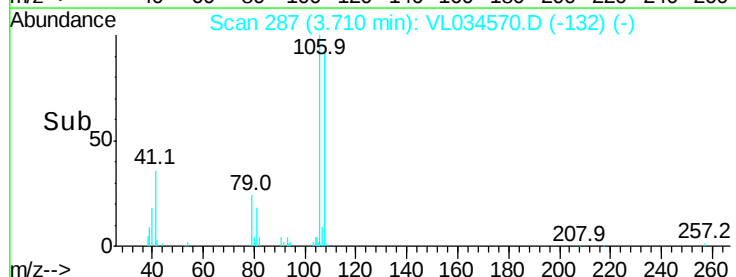
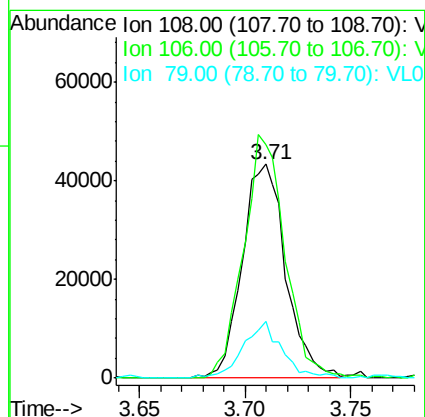
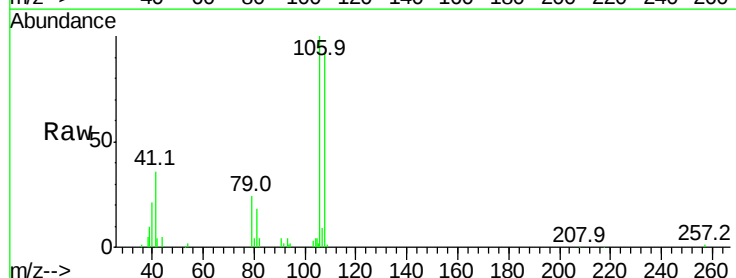
Tgt Ion: 108 Resp: 62288

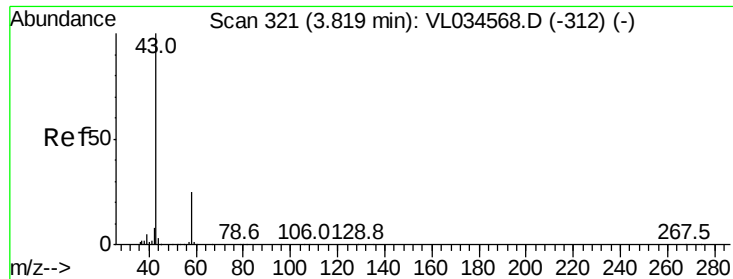
Ion Ratio Lower Upper

108 100

106 109.1 85.2 127.8

79 23.7 17.4 26.2





#15

Acetone

Concen: 1.109 ppbv

RT: 3.83 min Scan# 324

Delta R.T. 0.01 min

Lab File: VL034570.D

Acq: 30 Jan 2020 13:23

Instrument :

MSVOA_L

ClientSampleId :

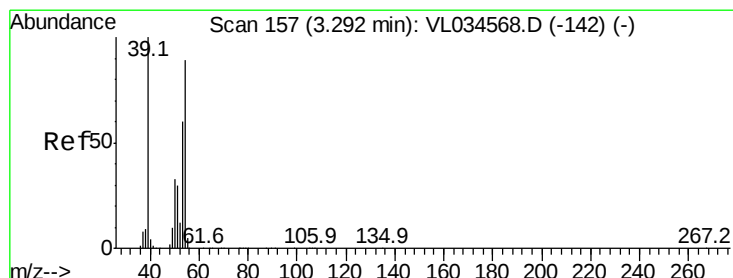
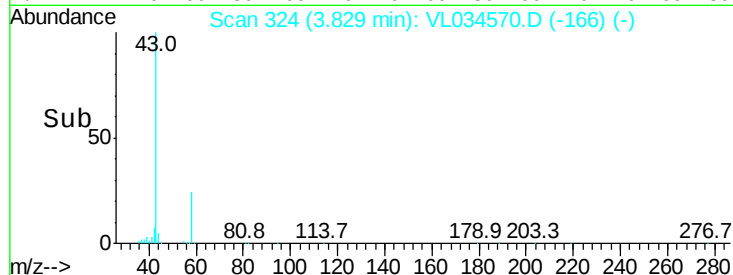
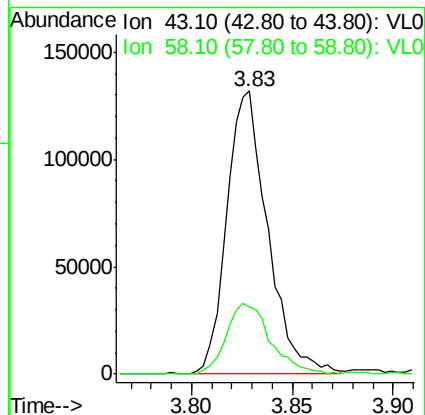
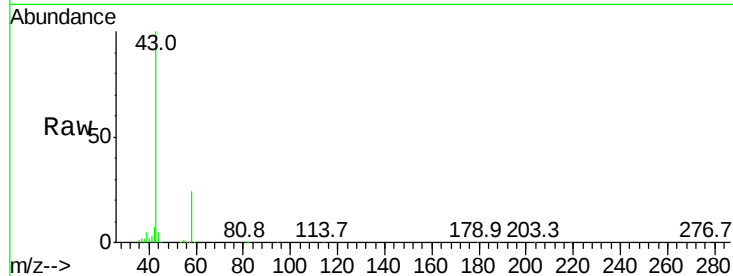
VSTDIC001

Tgt Ion: 43 Resp: 185476

Ion Ratio Lower Upper

43 100

58 27.9 20.4 30.6



#16

1,3-Butadiene

Concen: 1.110 ppbv

RT: 3.29 min Scan# 157

Delta R.T. -0.00 min

Lab File: VL034570.D

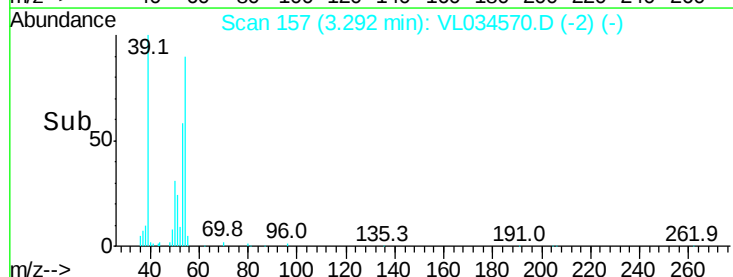
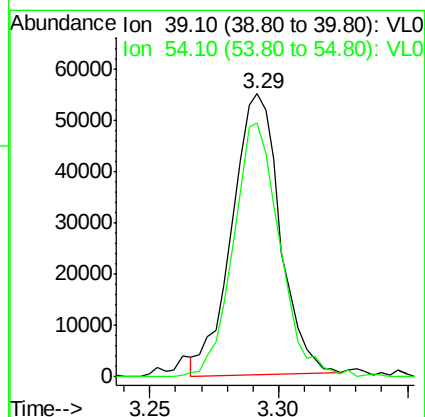
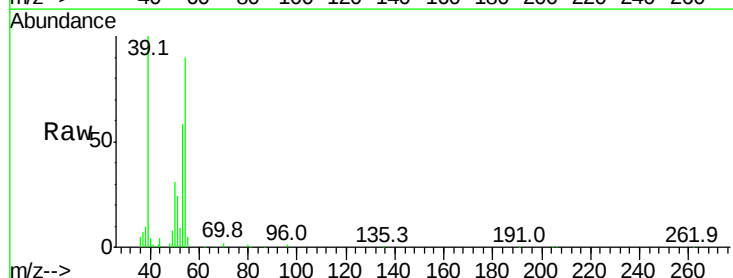
Acq: 30 Jan 2020 13:23

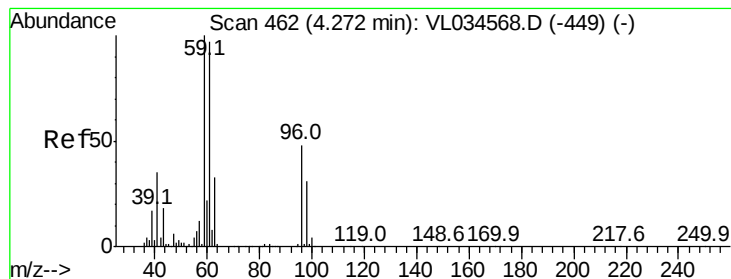
Tgt Ion: 39 Resp: 71360

Ion Ratio Lower Upper

39 100

54 87.8 66.2 99.2



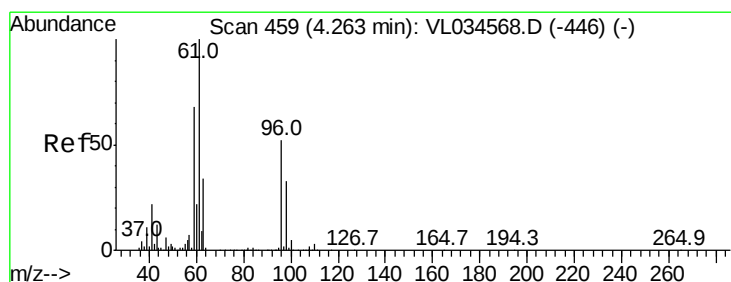
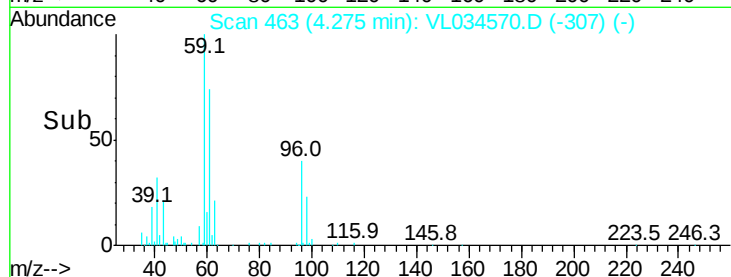
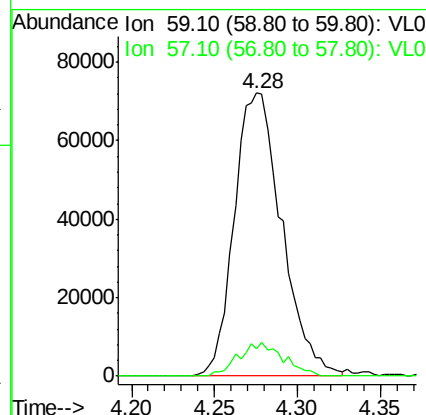
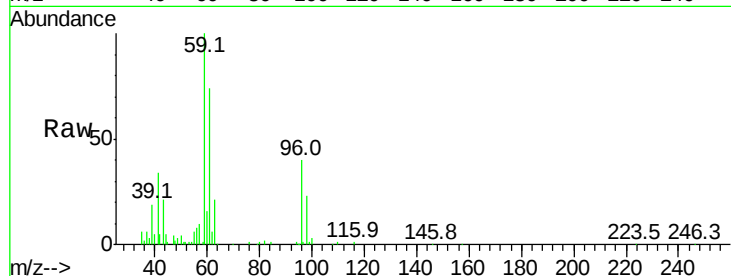


#17

tert-Butyl alcohol
Concen: 1.072 ppbv
RT: 4.28 min Scan# 463
Delta R.T. 0.00 min
Lab File: VL034570.D
Acq: 30 Jan 2020 13:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

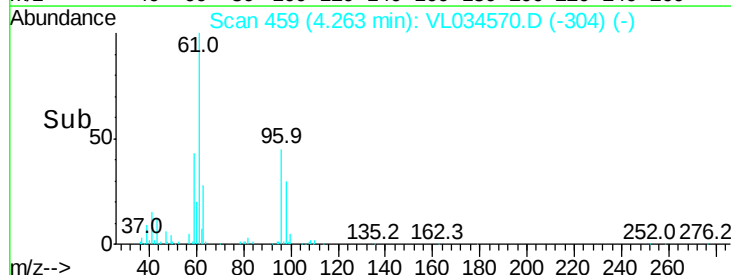
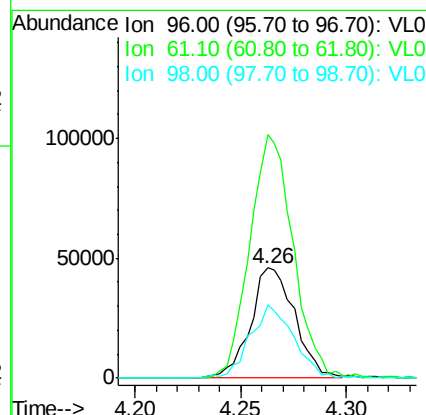
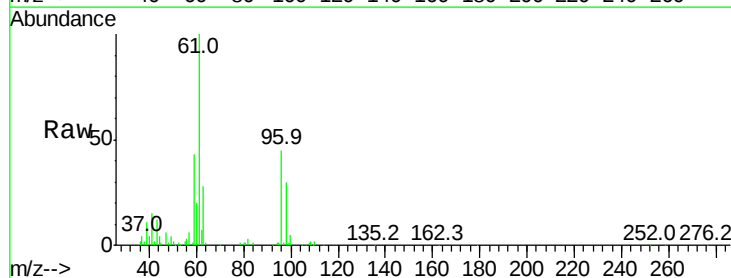
Tgt Ion: 59 Resp: 143564
Ion Ratio Lower Upper
59 100
57 11.4 8.6 12.8

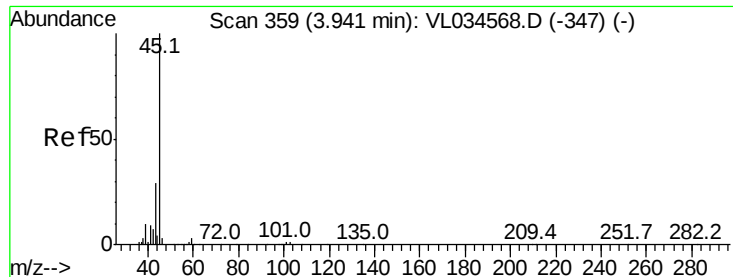


#18

1,1-Dichloroethene
Concen: 1.156 ppbv
RT: 4.26 min Scan# 459
Delta R.T. -0.00 min
Lab File: VL034570.D
Acq: 30 Jan 2020 13:23

Tgt Ion: 96 Resp: 66946
Ion Ratio Lower Upper
96 100
61 221.3 165.9 248.9
98 66.8 51.9 77.9





#19

Isopropyl Alcohol

Concen: 0.997 ppbv

RT: 3.94 min Scan# 360

Delta R.T. 0.00 min

Lab File: VL034570.D

Acq: 30 Jan 2020 13:23

Instrument :

MSVOA_L

ClientSampleId :

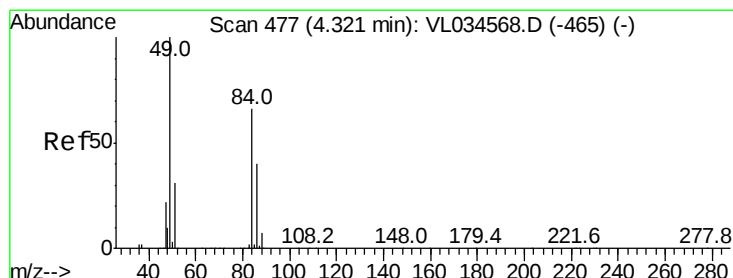
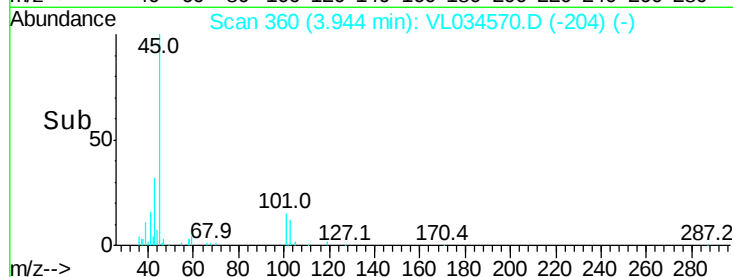
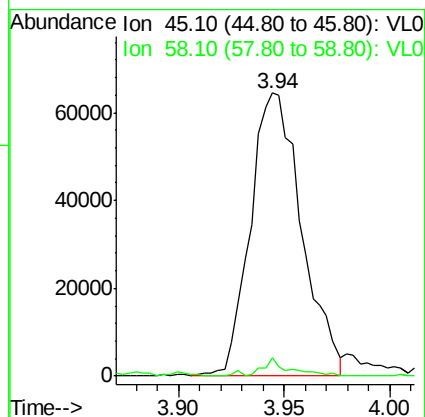
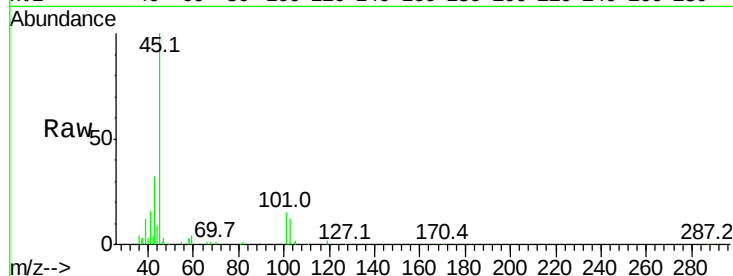
VSTDIC001

Tgt Ion: 45 Resp: 107877

Ion Ratio Lower Upper

45 100

58 3.7 1.4 2.0#



#20

Methylene Chloride

Concen: 1.096 ppbv

RT: 4.32 min Scan# 477

Delta R.T. -0.00 min

Lab File: VL034570.D

Acq: 30 Jan 2020 13:23

Tgt Ion: 84 Resp: 72106

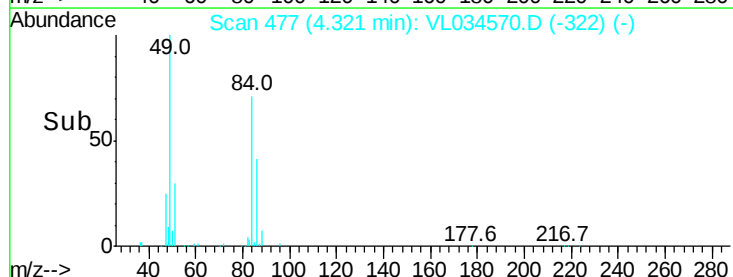
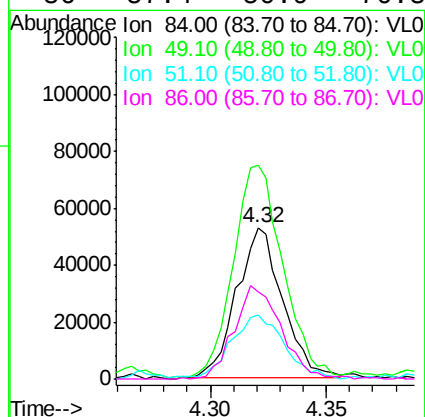
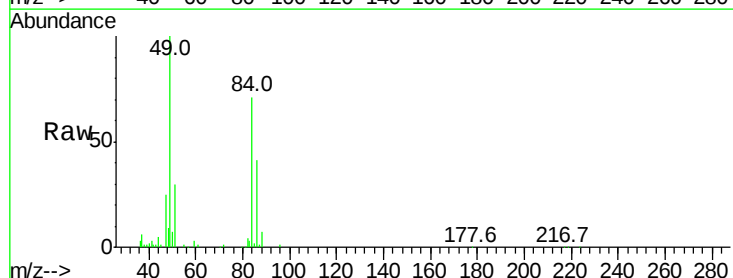
Ion Ratio Lower Upper

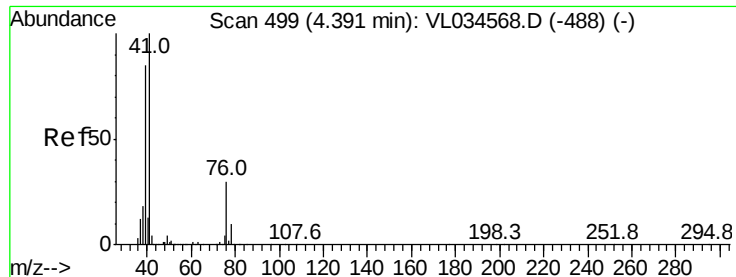
84 100

49 140.3 124.4 186.6

51 41.9 37.0 55.6

86 57.4 50.9 76.3





#21

Allyl Chloride

Concen: 1.157 ppbv

RT: 4.39 min Scan# 498

Delta R.T. -0.00 min

Lab File: VL034570.D

Acq: 30 Jan 2020 13:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

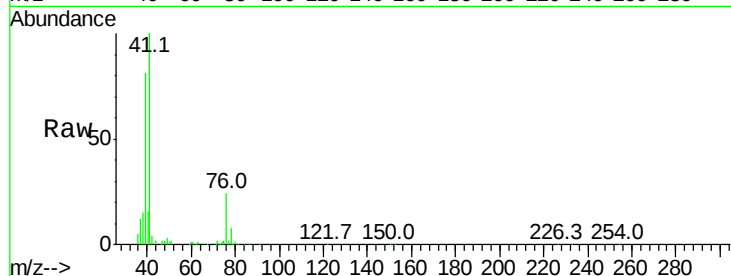
Tgt Ion: 41 Resp: 111135

Ion Ratio Lower Upper

41 100

76 29.4 24.2 36.4

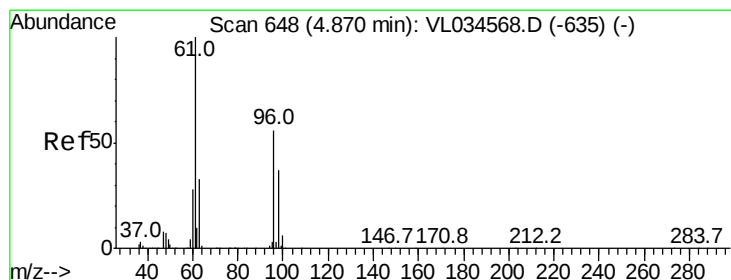
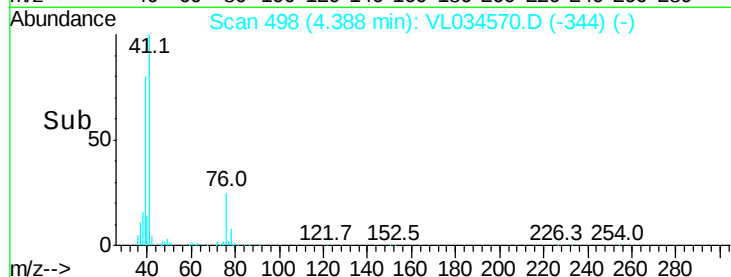
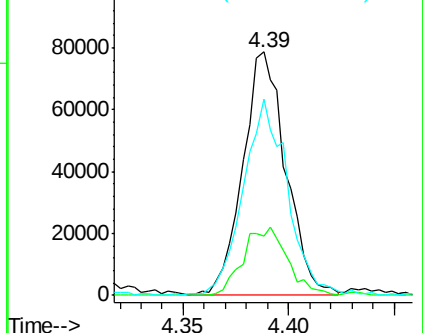
39 83.7 65.8 98.6



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: 1.229 ppbv

RT: 4.87 min Scan# 648

Delta R.T. -0.00 min

Lab File: VL034570.D

Acq: 30 Jan 2020 13:23

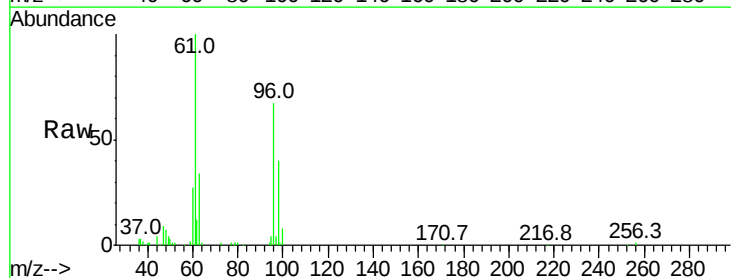
Tgt Ion: 96 Resp: 72423

Ion Ratio Lower Upper

96 100

61 149.2 128.4 192.6

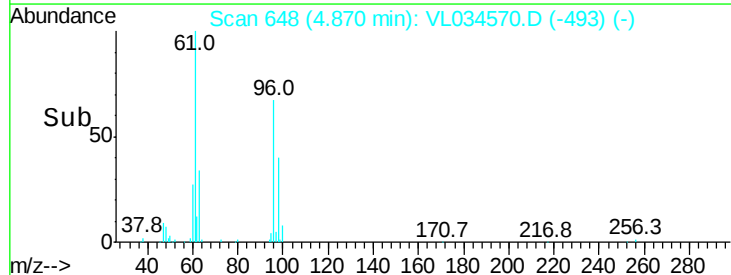
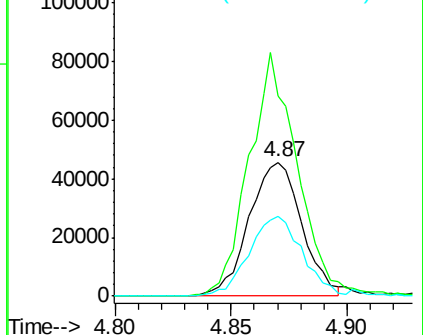
98 59.9 50.6 75.8

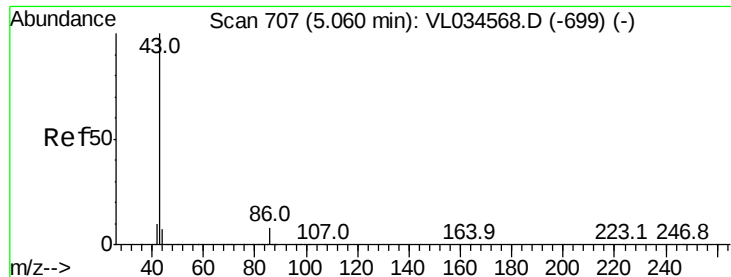


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 0.998 ppbv

RT: 5.06 min Scan# 706

Delta R.T. -0.00 min

Lab File: VL034570.D

Acq: 30 Jan 2020 13:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion: 43 Resp: 192694

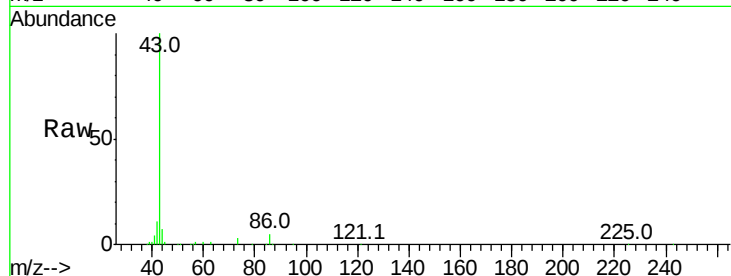
Ion Ratio Lower Upper

43 100

86 4.8 5.4 8.2#

42 11.0 8.9 13.3

44 5.3 5.0 7.4

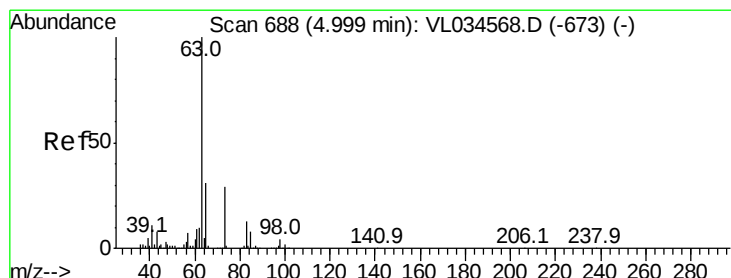
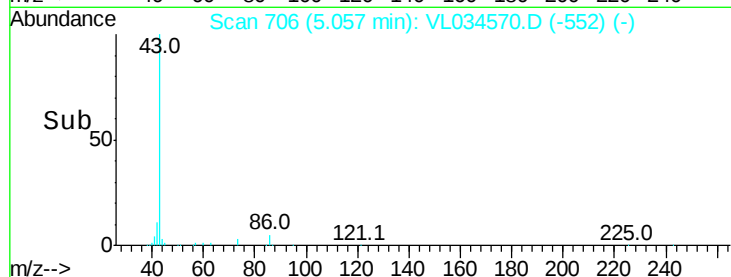
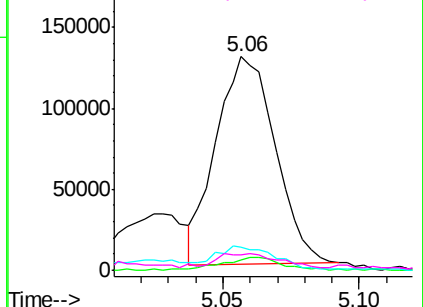


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 1.127 ppbv

RT: 4.99 min Scan# 686

Delta R.T. -0.01 min

Lab File: VL034570.D

Acq: 30 Jan 2020 13:23

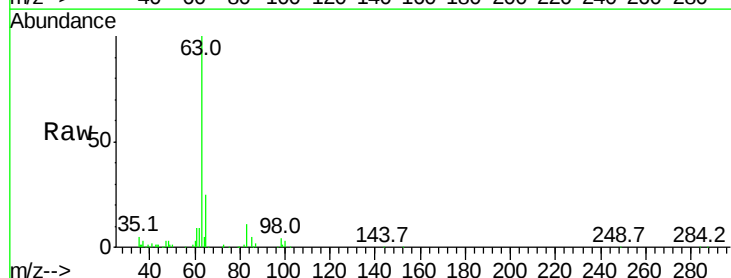
Tgt Ion: 63 Resp: 174746

Ion Ratio Lower Upper

63 100

98 4.0 2.1 6.3

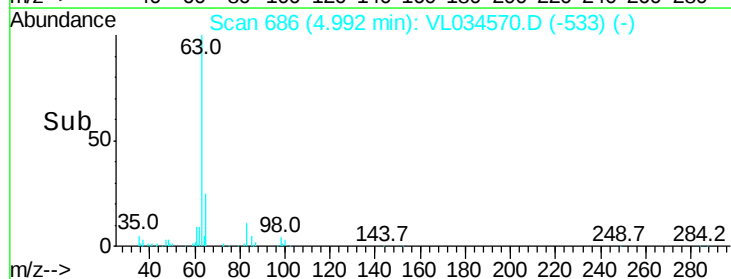
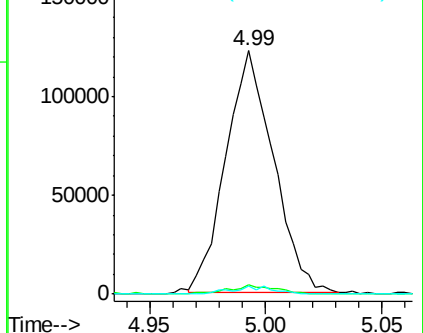
100 3.1 1.1 3.3

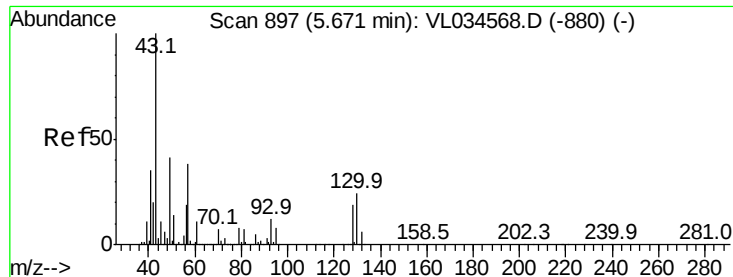


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 1.137 ppbv

RT: 5.67 min Scan# 898

Delta R.T. 0.00 min

Lab File: VL034570.D

Acq: 30 Jan 2020 13:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion: 43 Resp: 296788

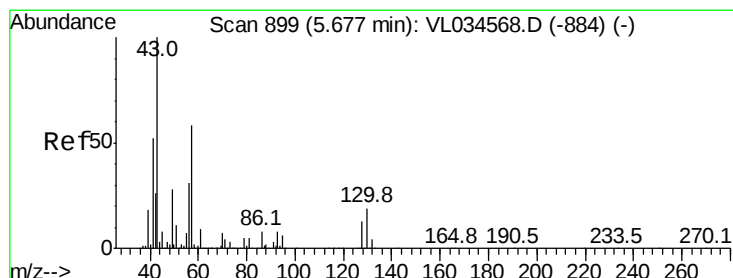
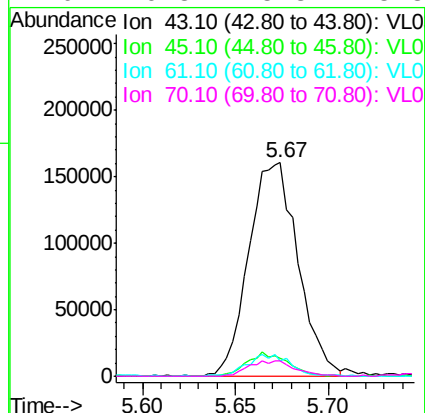
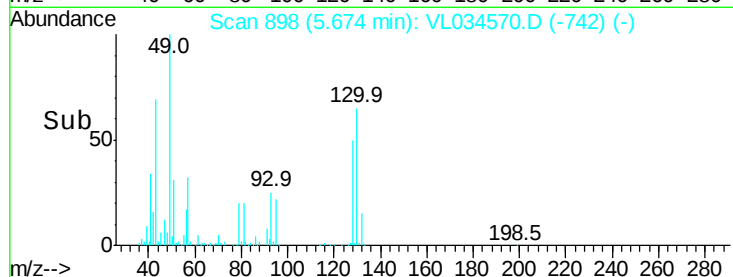
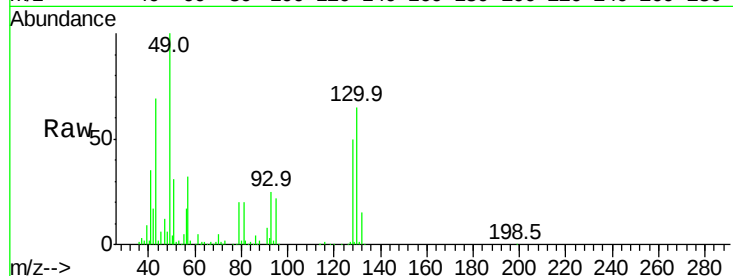
Ion Ratio Lower Upper

43 100

45 9.5 8.3 12.5

61 9.3 7.8 11.6

70 6.8 5.8 8.8



#26

Hexane

Concen: 1.113 ppbv

RT: 5.67 min Scan# 898

Delta R.T. -0.00 min

Lab File: VL034570.D

Acq: 30 Jan 2020 13:23

Tgt Ion: 57 Resp: 122469

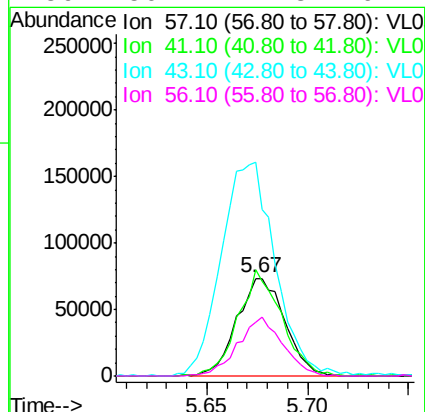
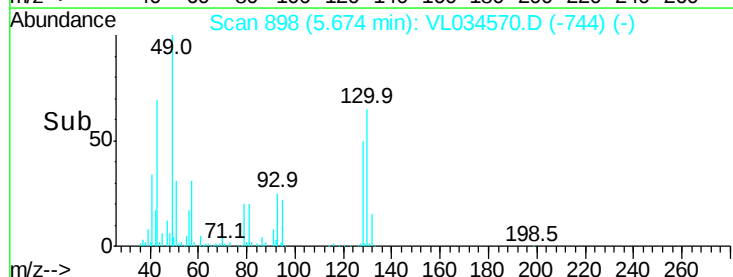
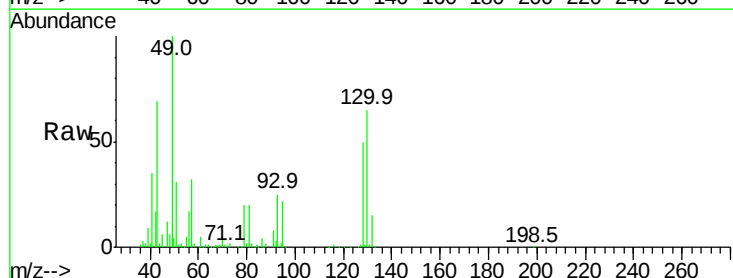
Ion Ratio Lower Upper

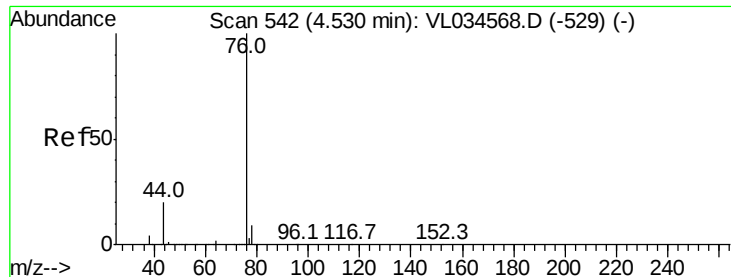
57 100

41 99.3 75.3 112.9

43 247.4 189.4 284.2

56 56.2 42.8 64.2





#27

Carbon Disulfide

Concen: 1.138 ppbv

RT: 4.53 min Scan# 543

Delta R.T. 0.00 min

Lab File: VL034570.D

Acq: 30 Jan 2020 13:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

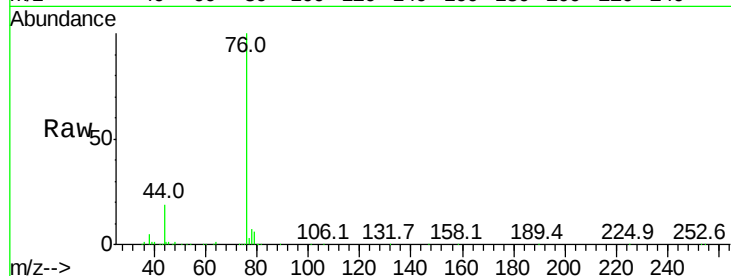
Tgt Ion: 76 Resp: 158273

Ion Ratio Lower Upper

76 100

44 22.6 16.6 25.0

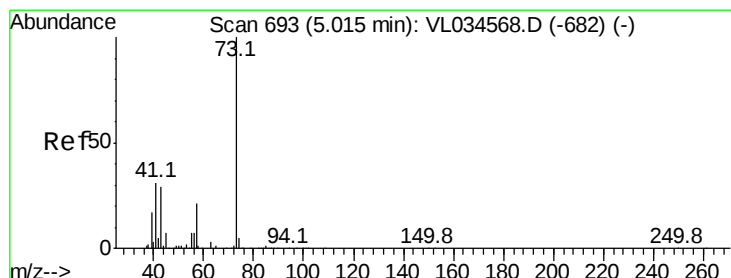
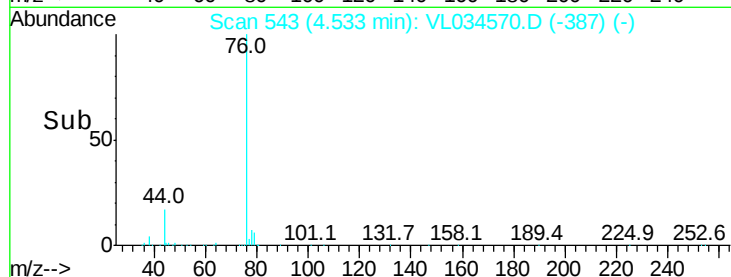
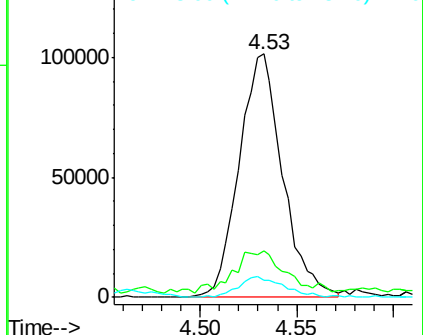
78 9.2 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 1.184 ppbv

RT: 5.02 min Scan# 695

Delta R.T. 0.01 min

Lab File: VL034570.D

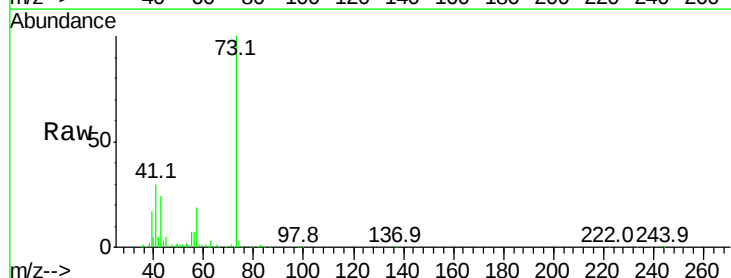
Acq: 30 Jan 2020 13:23

Tgt Ion: 73 Resp: 217496

Ion Ratio Lower Upper

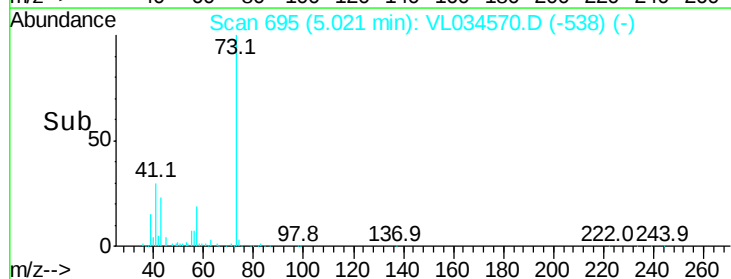
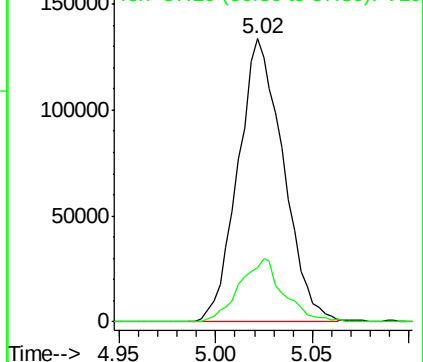
73 100

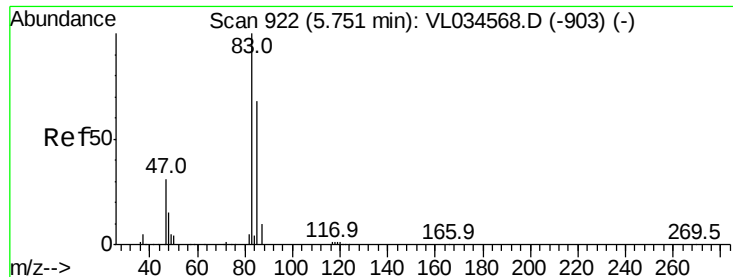
57 21.8 18.2 27.2



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 1.168 ppbv

RT: 5.74 min Scan# 919

Delta R.T. -0.01 min

Lab File: VL034570.D

Acq: 30 Jan 2020 13:23

Instrument :

MSVOA_L

ClientSampleId :

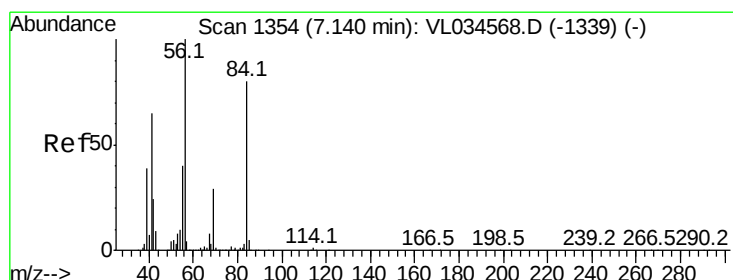
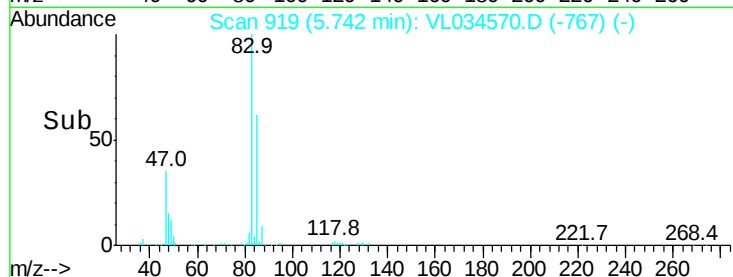
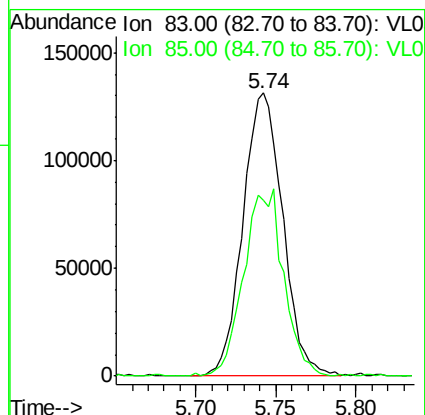
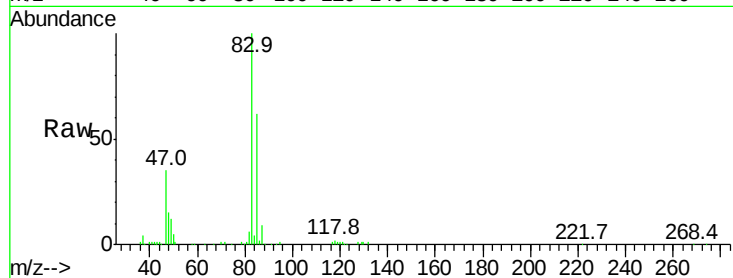
VSTDIC001

Tgt Ion: 83 Resp: 222354

Ion Ratio Lower Upper

83 100

85 61.9 51.0 76.6



#30

Cyclohexane

Concen: 1.059 ppbv

RT: 7.13 min Scan# 1352

Delta R.T. -0.01 min

Lab File: VL034570.D

Acq: 30 Jan 2020 13:23

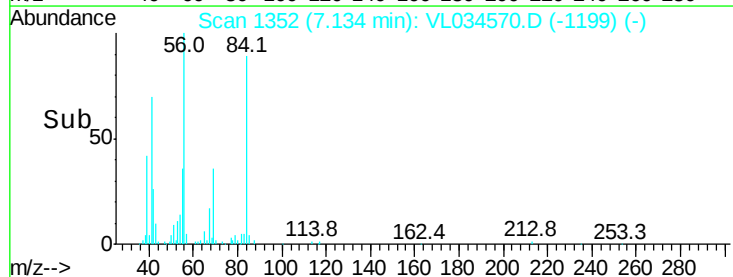
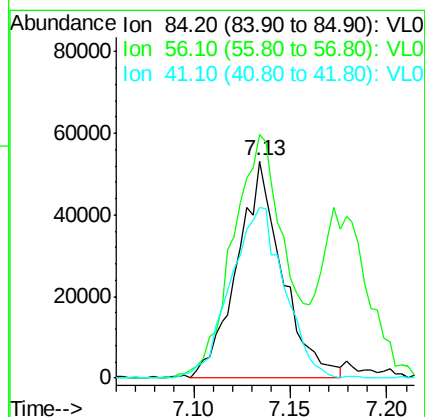
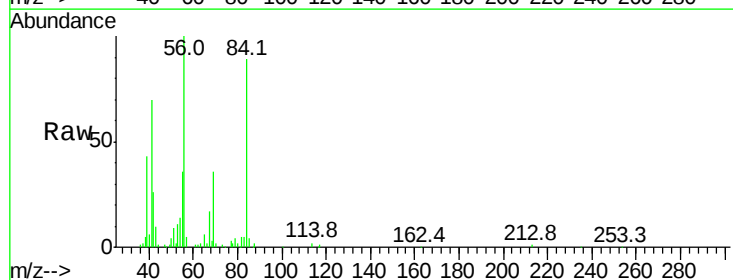
Tgt Ion: 84 Resp: 86579

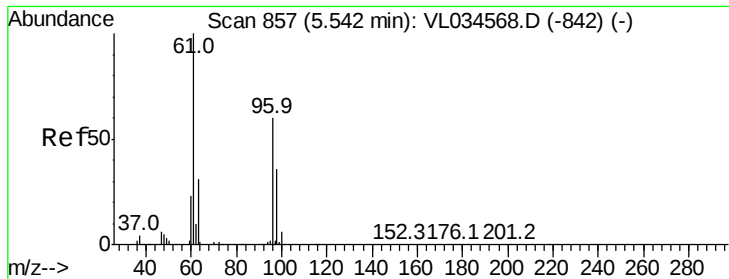
Ion Ratio Lower Upper

84 100

56 134.4 112.7 169.1

41 93.5 73.0 109.4





#31

cis-1,2-Dichloroethene

Concen: 1.135 ppbv

RT: 5.54 min Scan# 855

Delta R.T. -0.01 min

Lab File: VL034570.D

Acq: 30 Jan 2020 13:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

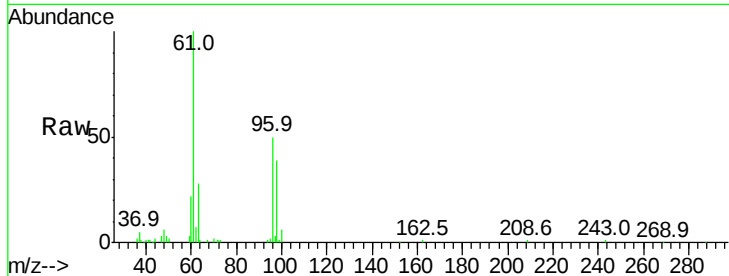
Tgt Ion: 61 Resp: 127261

Ion Ratio Lower Upper

61 100

96 50.0 47.1 70.7

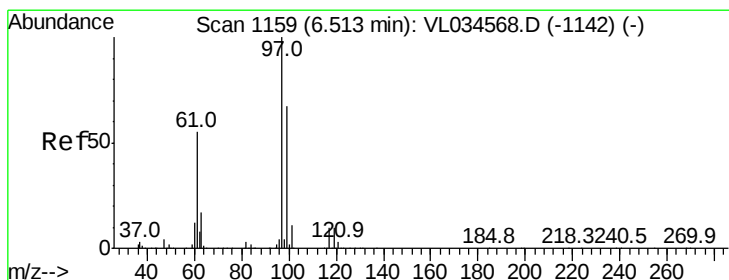
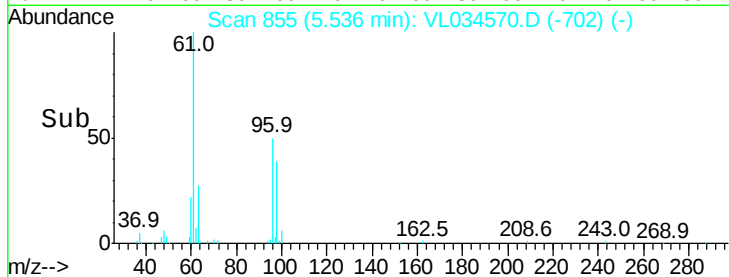
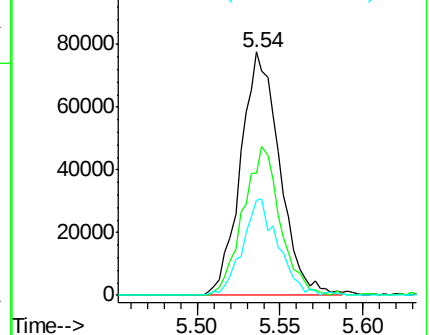
98 38.8 31.0 46.6



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: 1.121 ppbv

RT: 6.51 min Scan# 1158

Delta R.T. -0.00 min

Lab File: VL034570.D

Acq: 30 Jan 2020 13:23

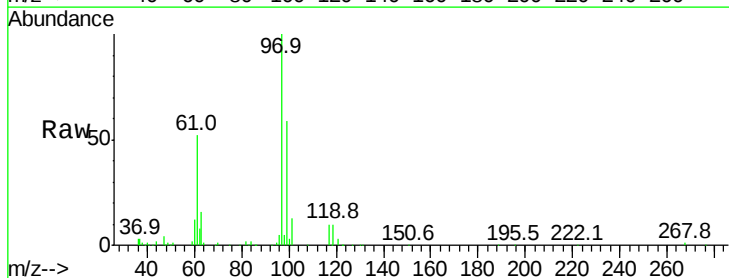
Tgt Ion: 97 Resp: 221506

Ion Ratio Lower Upper

97 100

99 62.7 51.7 77.5

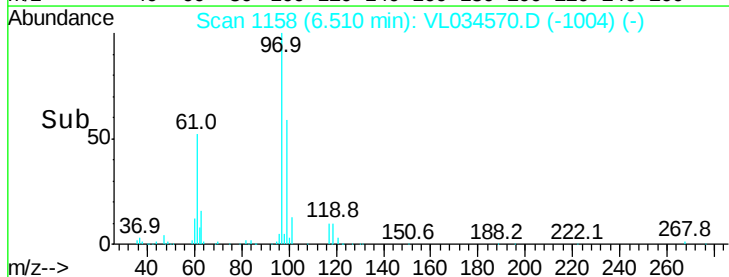
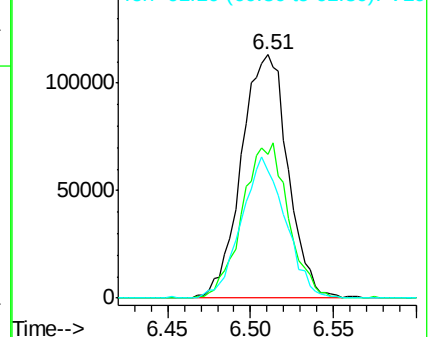
61 55.1 42.9 64.3

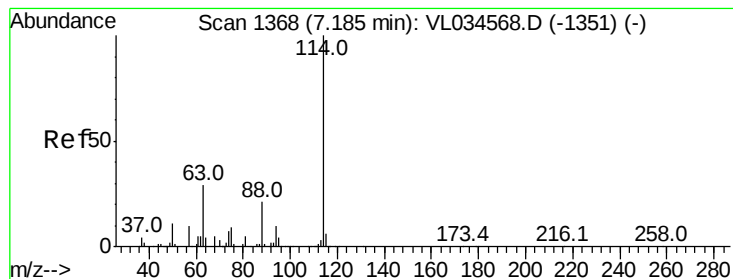


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

Ion 61.10 (60.80 to 61.80): VL0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1366

Delta R.T. -0.01 min

Lab File: VL034570.D

Acq: 30 Jan 2020 13:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

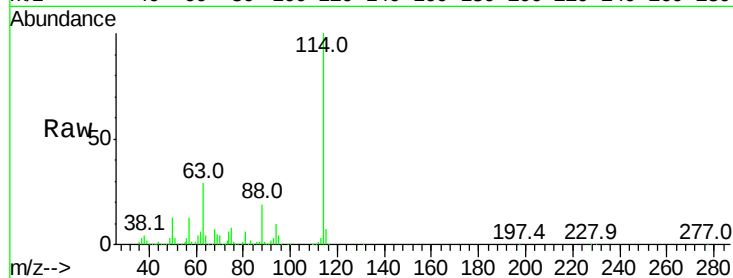
Tgt Ion:114 Resp: 2377645

Ion Ratio Lower Upper

114 100

63 29.7 24.1 36.1

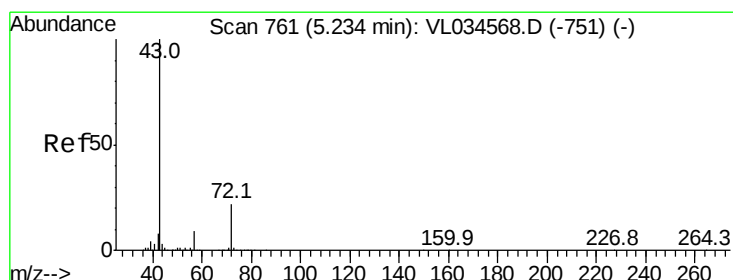
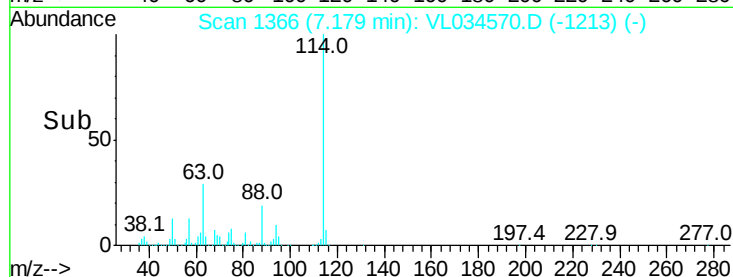
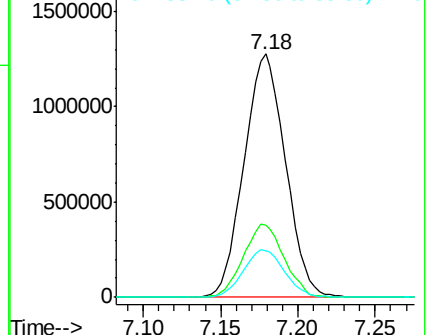
88 19.6 15.7 23.5



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: 1.095 ppbv

RT: 5.24 min Scan# 762

Delta R.T. 0.00 min

Lab File: VL034570.D

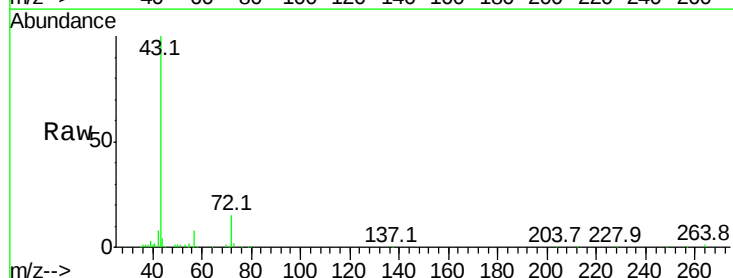
Acq: 30 Jan 2020 13:23

Tgt Ion: 43 Resp: 185989

Ion Ratio Lower Upper

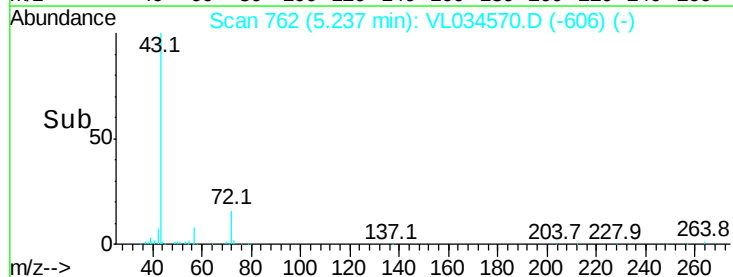
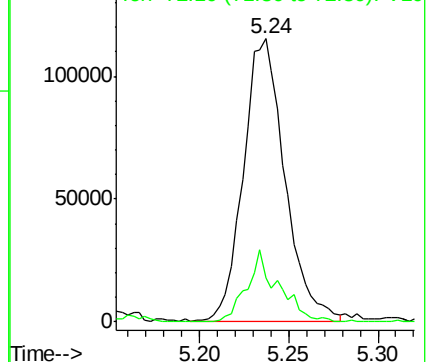
43 100

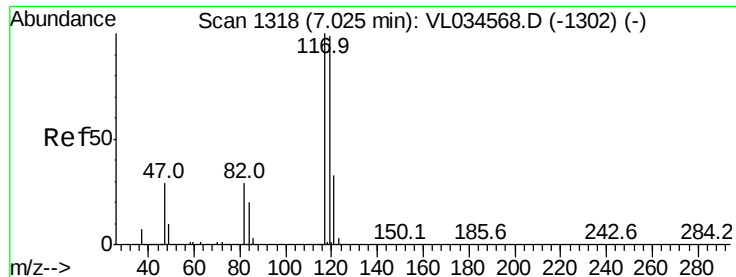
72 19.7 17.0 25.4



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 1.072 ppbv

RT: 7.02 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VL034570.D

Acq: 30 Jan 2020 13:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

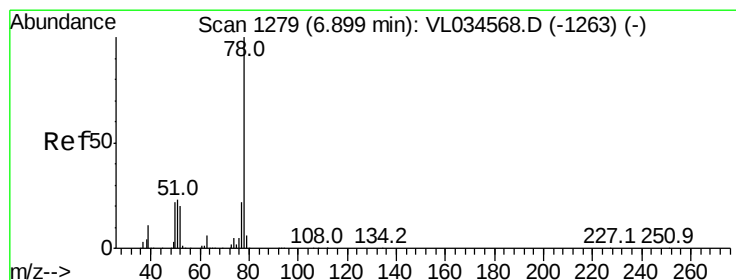
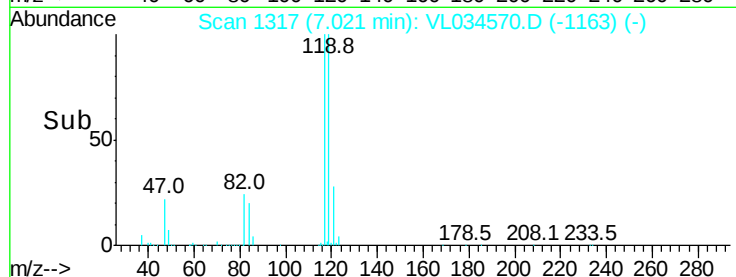
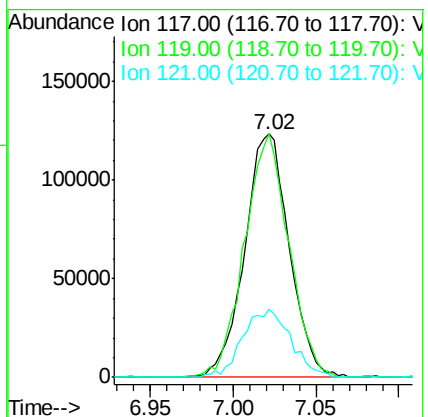
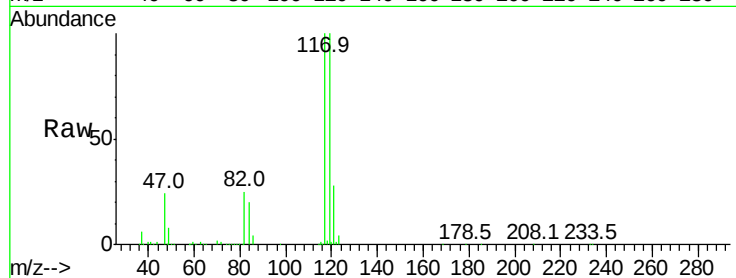
Tgt Ion:117 Resp: 231176

Ion Ratio Lower Upper

117 100

119 99.9 78.7 118.1

121 28.0 25.9 38.9



#36

Benzene

Concen: 1.059 ppbv

RT: 6.89 min Scan# 1277

Delta R.T. -0.01 min

Lab File: VL034570.D

Acq: 30 Jan 2020 13:23

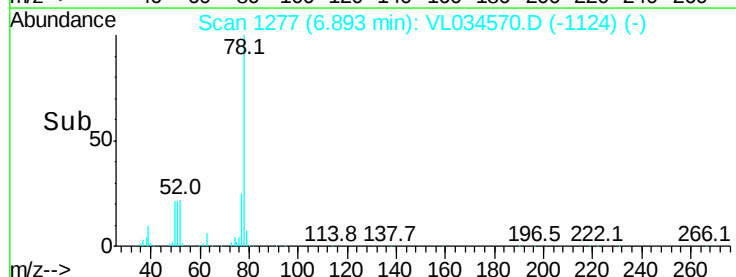
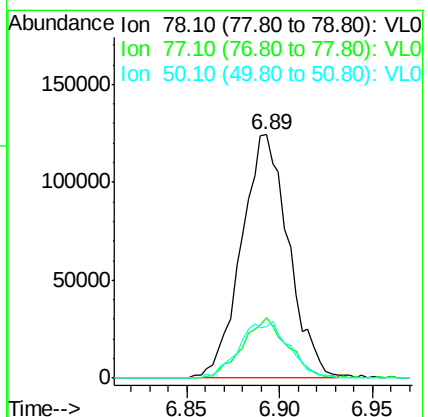
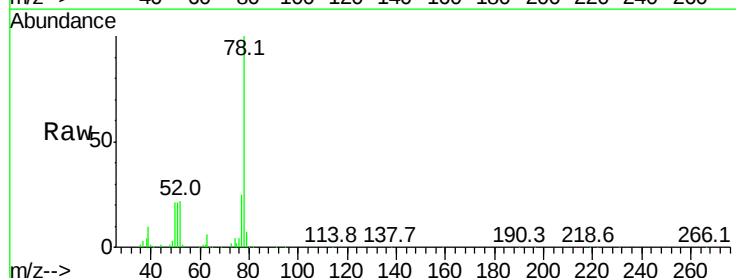
Tgt Ion: 78 Resp: 219411

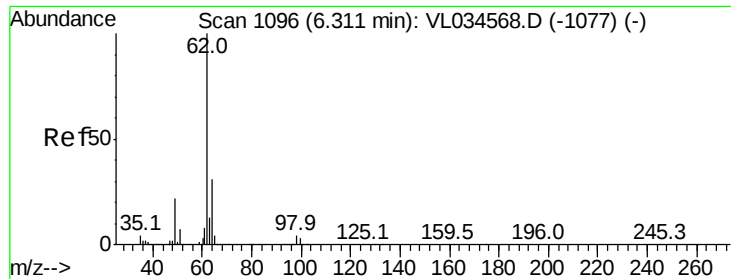
Ion Ratio Lower Upper

78 100

77 25.1 18.6 28.0

50 21.1 18.8 28.2





#37

1,2-Dichloroethane

Concen: 1.112 ppbv

RT: 6.30 min Scan# 1094

Delta R.T. -0.01 min

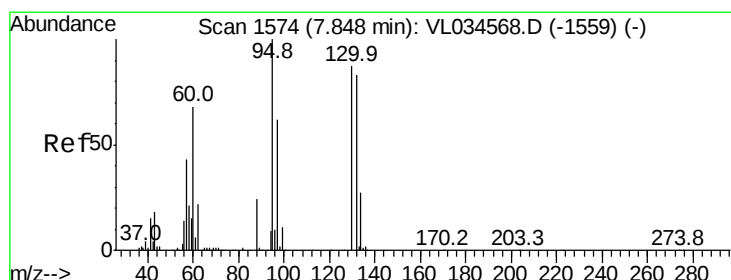
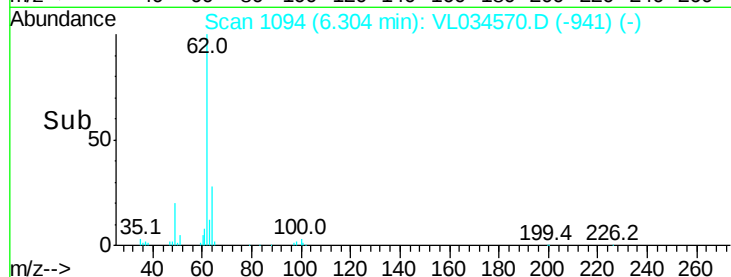
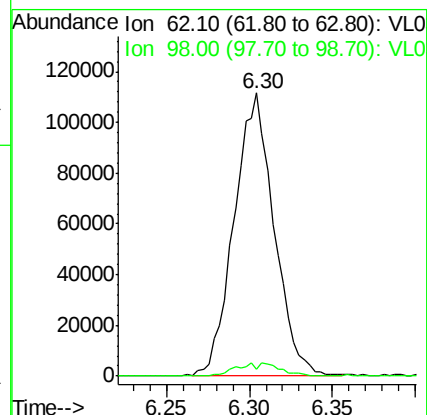
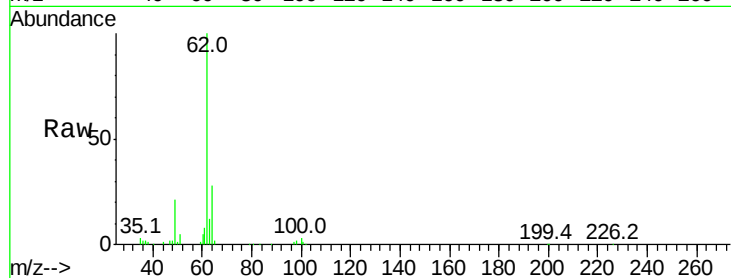
Lab File: VL034570.D

Acq: 30 Jan 2020 13:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 62 Resp: 187235

Ion	Ratio	Lower	Upper
62	100		
98	4.9	3.8	5.6



#38

Trichloroethene

Concen: 1.134 ppbv

RT: 7.84 min Scan# 1572

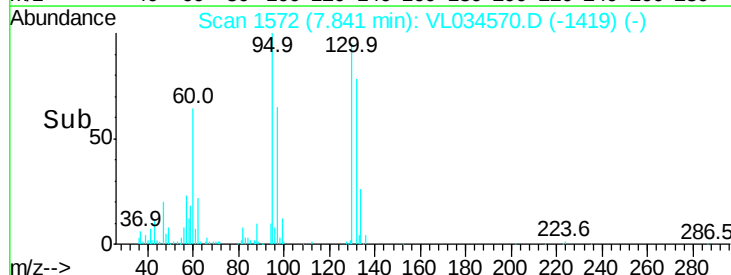
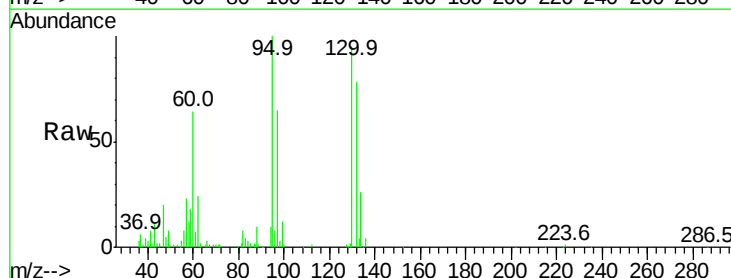
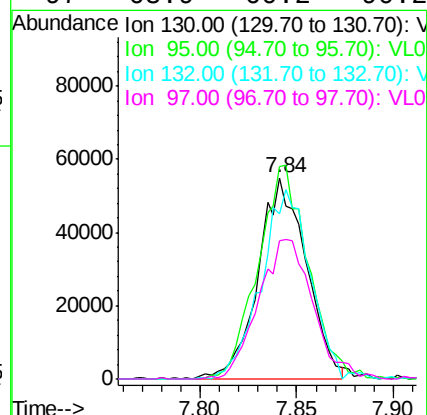
Delta R.T. -0.01 min

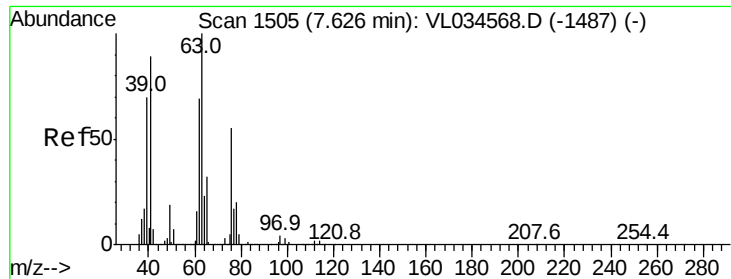
Lab File: VL034570.D

Acq: 30 Jan 2020 13:23

Tgt Ion: 130 Resp: 94976

Ion	Ratio	Lower	Upper
130	100		
95	105.6	94.2	141.2
132	82.2	76.1	114.1
97	68.9	60.2	90.2





#39

1,2-Dichloropropane

Concen: 1.088 ppbv

RT: 7.62 min Scan# 1502

Delta R.T. -0.01 min

Lab File: VL034570.D

Acq: 30 Jan 2020 13:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

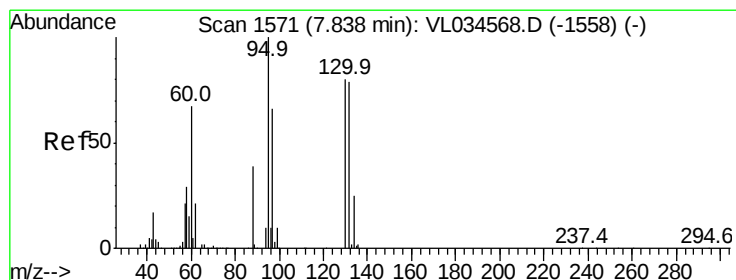
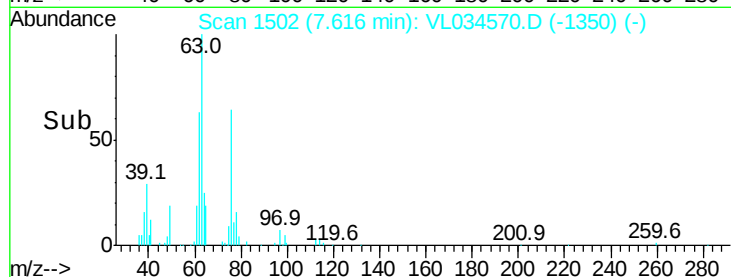
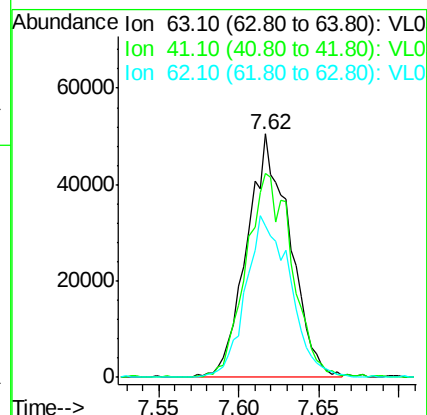
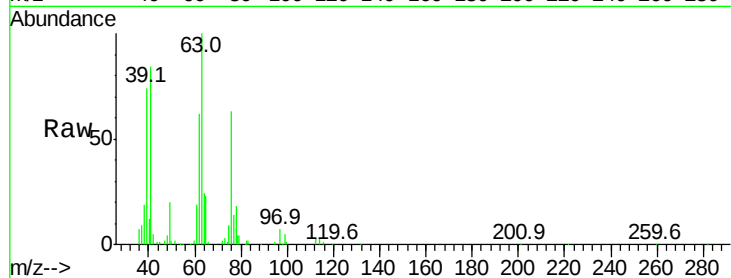
Tgt Ion: 63 Resp: 92747

Ion Ratio Lower Upper

63 100

41 84.0 66.1 99.1

62 62.0 54.9 82.3



#40

1,4-Dioxane

Concen: 0.362 ppbv

RT: 7.85 min Scan# 1575

Delta R.T. 0.01 min

Lab File: VL034570.D

Acq: 30 Jan 2020 13:23

Tgt Ion: 88 Resp: 12484

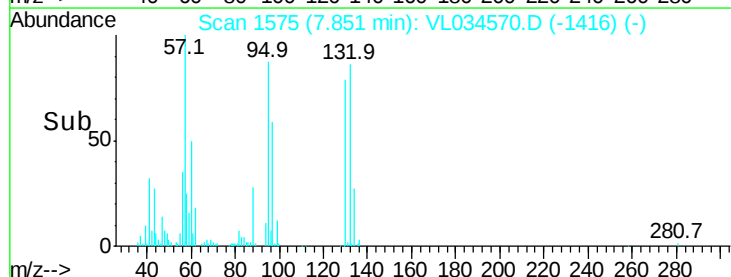
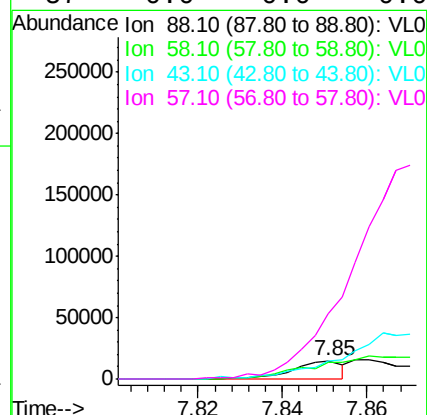
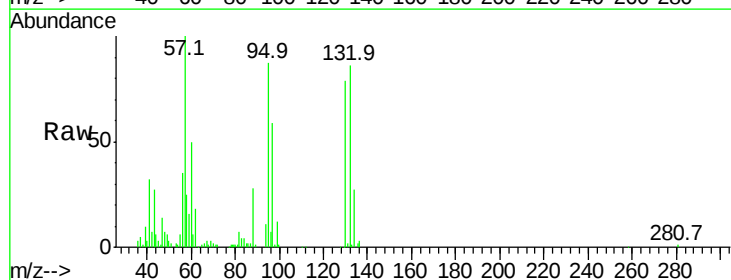
Ion Ratio Lower Upper

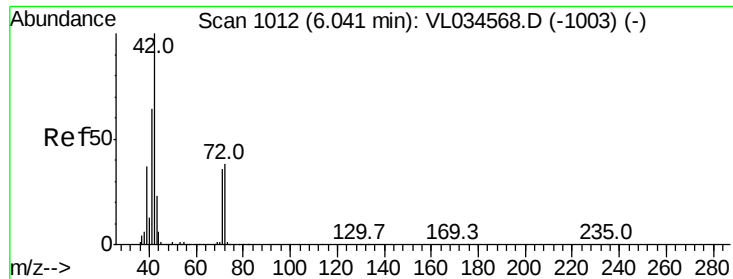
88 100

58 0.0 107.9 161.9#

43 0.0 0.0 0.0

57 0.0 0.0 0.0

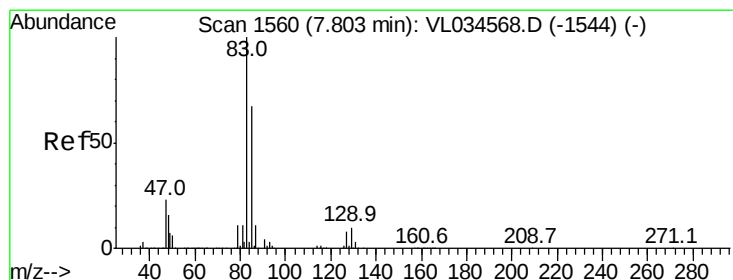
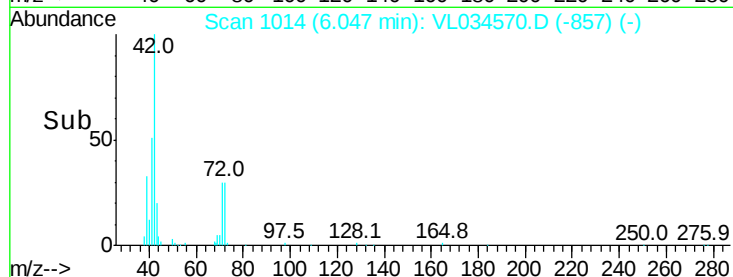
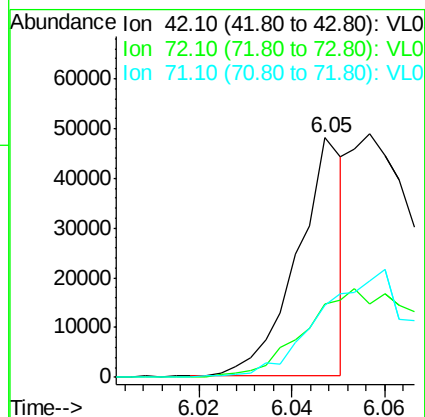
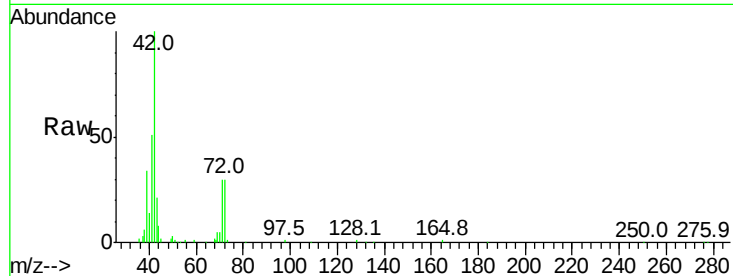




#41
Tetrahydrofuran
Concen: 0.383 ppbv
RT: 6.05 min Scan# 1014
Delta R.T. 0.01 min
Lab File: VL034570.D
Acq: 30 Jan 2020 13:23

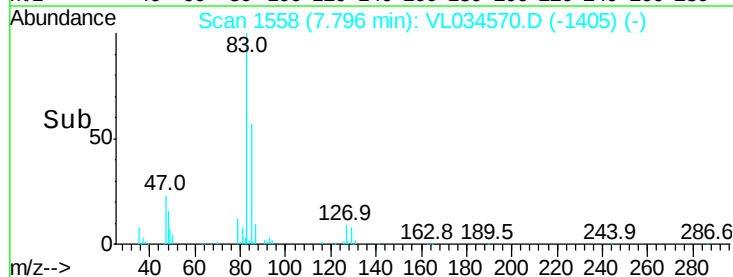
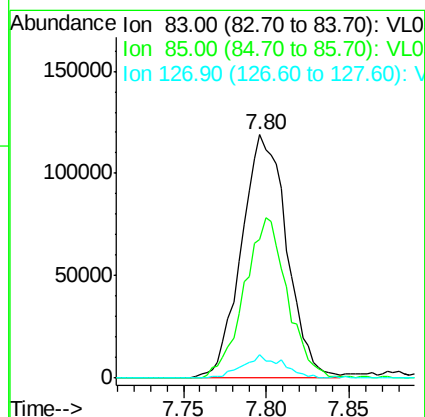
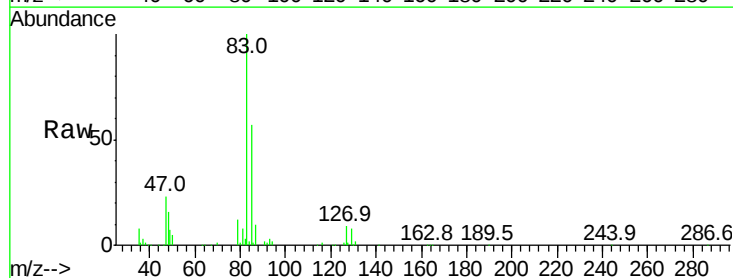
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

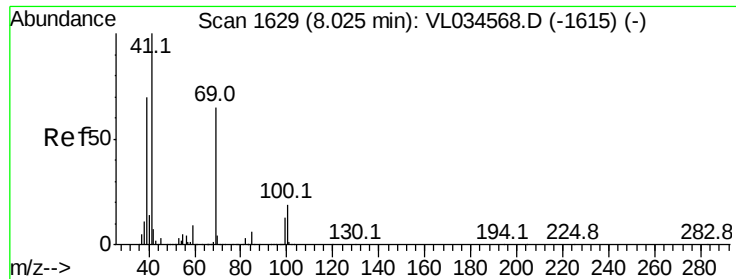
Tgt Ion: 42 Resp: 33389
Ion Ratio Lower Upper
42 100
72 0.0 30.9 46.3#
71 0.0 28.9 43.3#



#42
Bromodichloromethane
Concen: 1.096 ppbv
RT: 7.80 min Scan# 1558
Delta R.T. -0.01 min
Lab File: VL034570.D
Acq: 30 Jan 2020 13:23

Tgt Ion: 83 Resp: 226882
Ion Ratio Lower Upper
83 100
85 56.8 49.4 74.2
127 9.5 6.2 9.4#

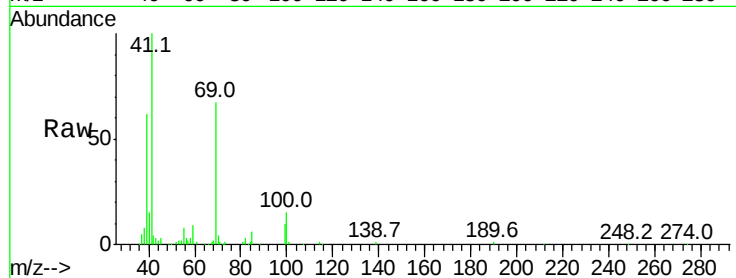




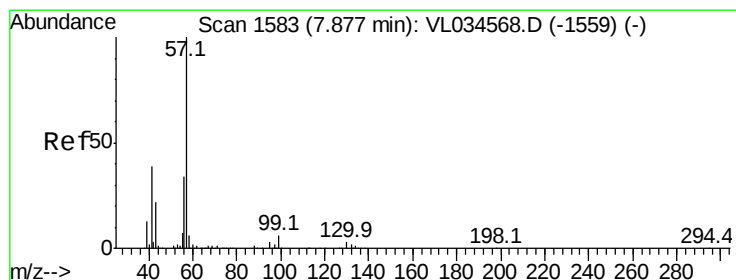
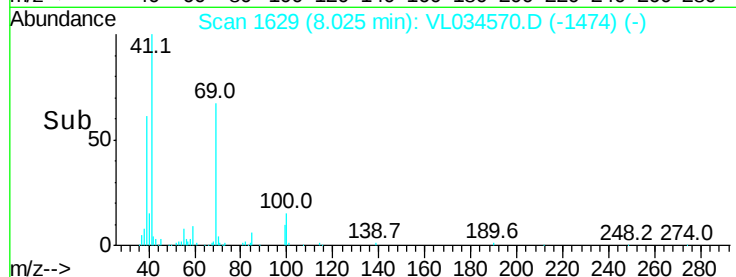
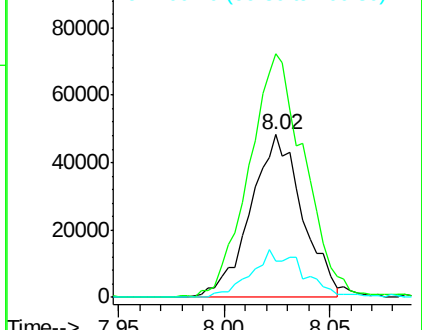
#43
Methyl Methacrylate
Concen: 0.977 ppbv
RT: 8.02 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VL034570.D
Acq: 30 Jan 2020 13:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 69 Resp: 82595
Ion Ratio Lower Upper
69 100
41 160.4 124.0 186.0
100 29.4 23.1 34.7

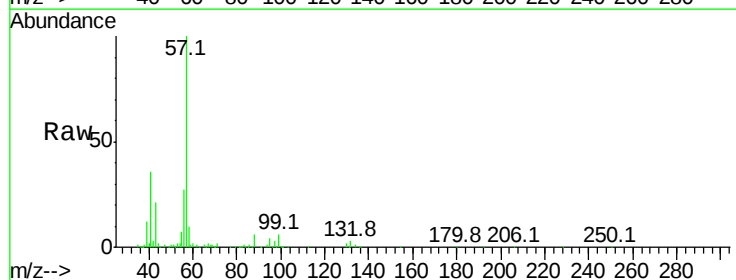


Abundance Ion 69.10 (68.80 to 69.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 100.10 (99.80 to 100.80): VL0

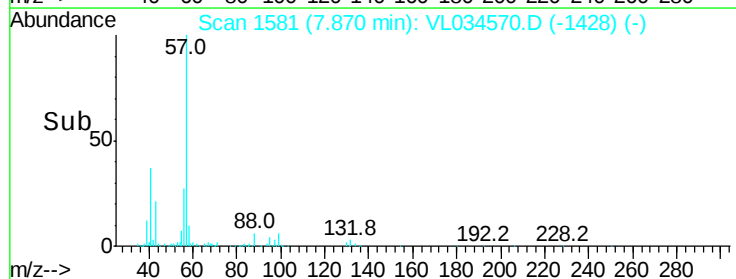
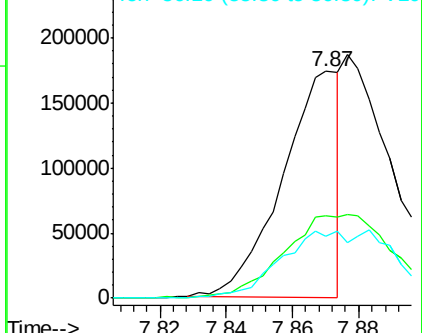


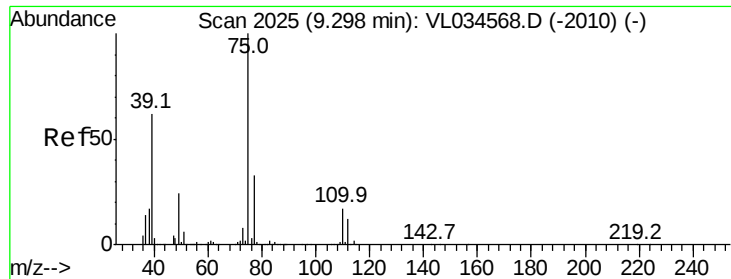
#44
2,2,4-Trimethylpentane
Concen: 0.543 ppbv
RT: 7.87 min Scan# 1581
Delta R.T. -0.01 min
Lab File: VL034570.D
Acq: 30 Jan 2020 13:23

Tgt Ion: 57 Resp: 208032
Ion Ratio Lower Upper
57 100
41 0.0 29.0 43.4#
56 0.0 24.9 37.3#



Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 56.10 (55.80 to 56.80): VL0





#45

t-1,3-Dichloropropene

Concen: 0.918 ppbv

RT: 9.29 min Scan# 2022

Delta R.T. -0.01 min

Lab File: VL034570.D

Acq: 30 Jan 2020 13:23

Instrument :

MSVOA_L

ClientSampleId :

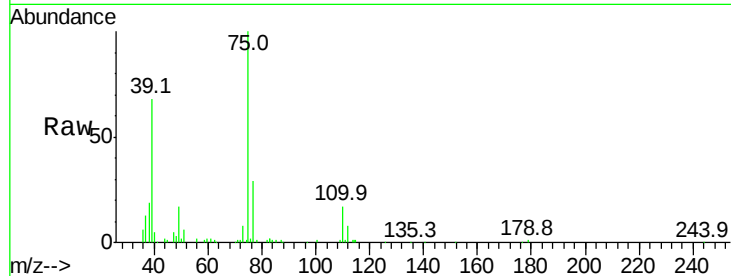
VSTDIC001

Tgt Ion: 75 Resp: 99931

Ion Ratio Lower Upper

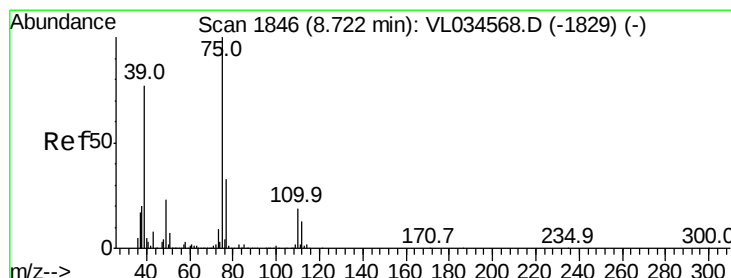
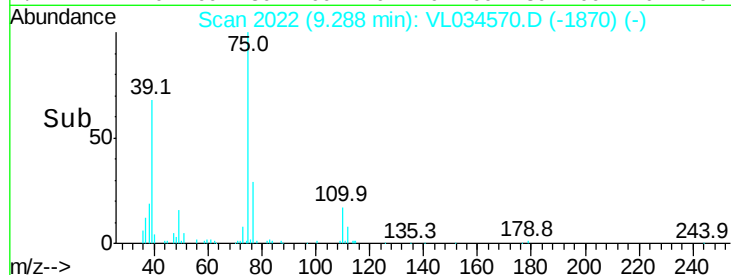
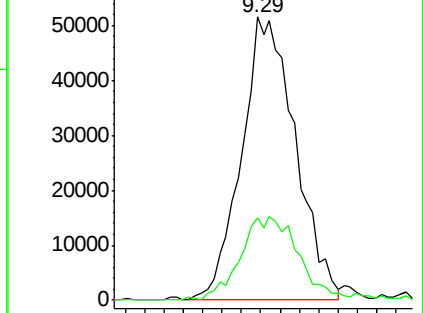
75 100

77 29.1 24.2 36.2



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#46

cis-1,3-Dichloropropene

Concen: 0.947 ppbv

RT: 8.72 min Scan# 1844

Delta R.T. -0.01 min

Lab File: VL034570.D

Acq: 30 Jan 2020 13:23

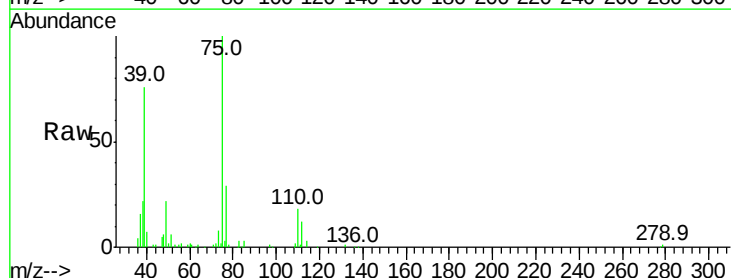
Tgt Ion: 75 Resp: 117914

Ion Ratio Lower Upper

75 100

39 74.2 60.5 90.7

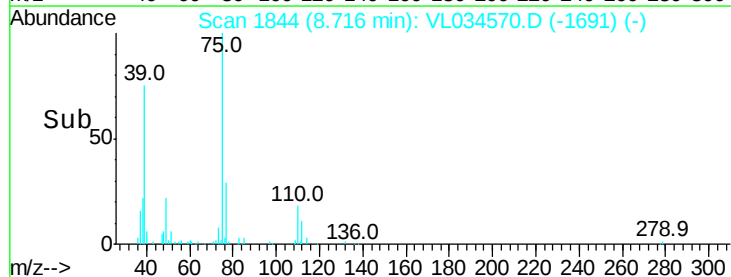
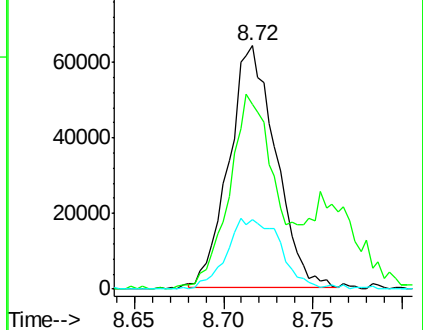
77 28.8 24.8 37.2

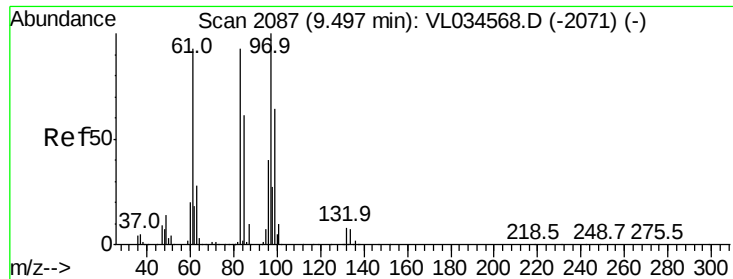


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0





#47

1,1,2-Trichloroethane

Concen: 0.567 ppbv

RT: 9.49 min Scan# 2084

Delta R.T. -0.01 min

Lab File: VL034570.D

Acq: 30 Jan 2020 13:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion: 97 Resp: 53226

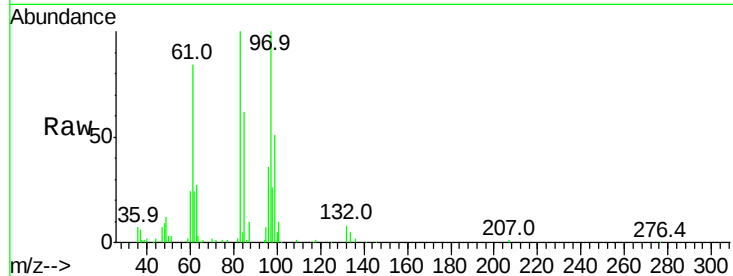
Ion Ratio Lower Upper

97 100

83 100.7 75.0 112.4

85 62.3 48.2 72.4

99 50.5 48.5 72.7

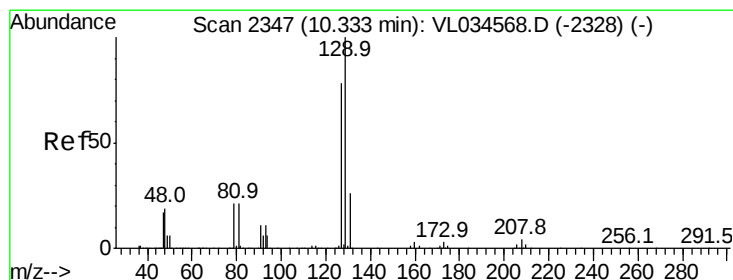
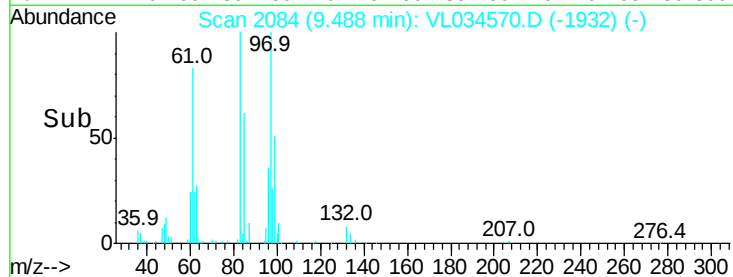
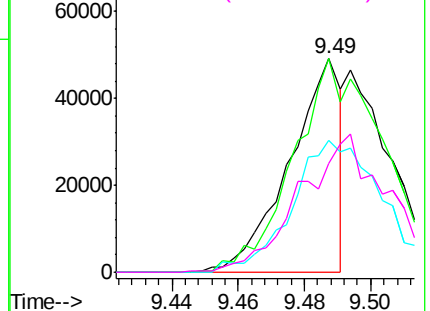


Abundance Ion 97.00 (96.70 to 97.70): VL0

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: 0.525 ppbv

RT: 10.33 min Scan# 2345

Delta R.T. -0.01 min

Lab File: VL034570.D

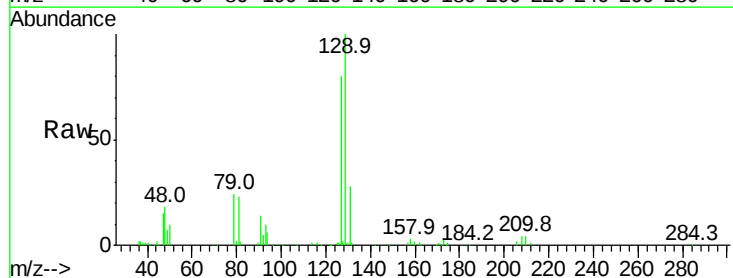
Acq: 30 Jan 2020 13:23

Tgt Ion: 129 Resp: 85508

Ion Ratio Lower Upper

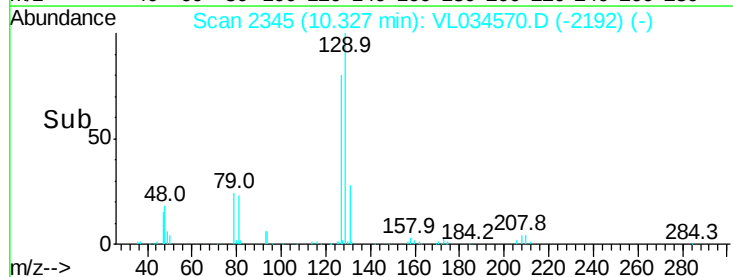
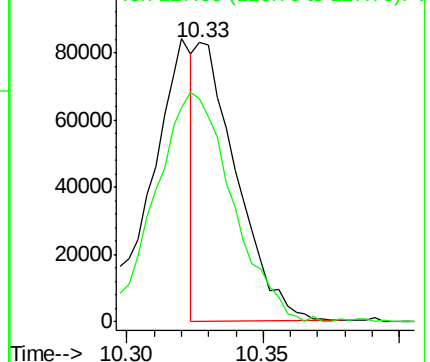
129 100

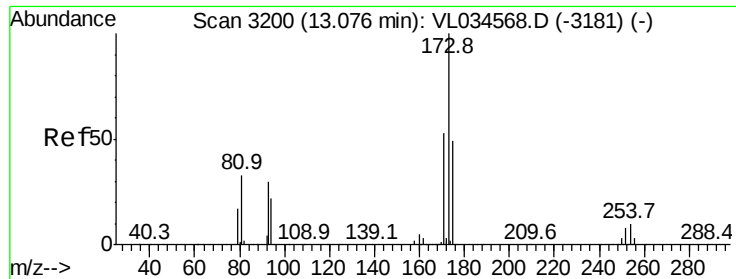
127 157.2 39.4 118.2#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 1.007 ppbv

RT: 13.07 min Scan# 3198

Delta R.T. -0.01 min

Lab File: VL034570.D

Acq: 30 Jan 2020 13:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

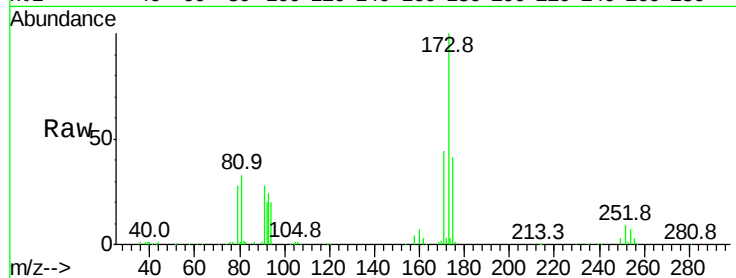
Tgt Ion:173 Resp: 148486

Ion Ratio Lower Upper

173 100

175 50.3 39.8 59.8

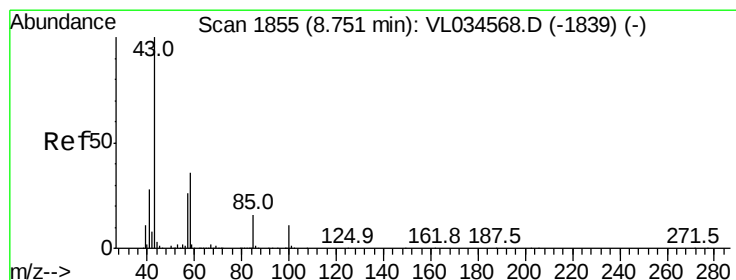
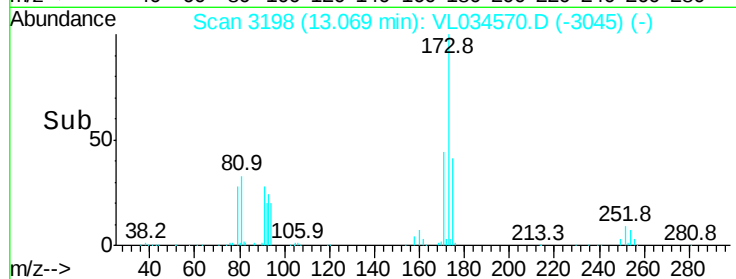
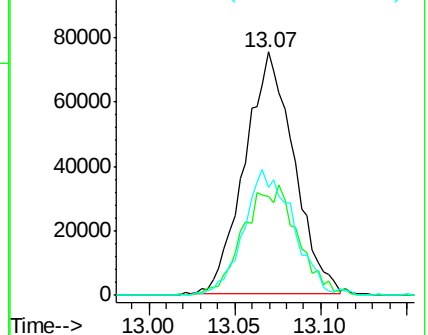
171 53.0 42.1 63.1



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: 0.554 ppbv

RT: 8.76 min Scan# 1857

Delta R.T. 0.01 min

Lab File: VL034570.D

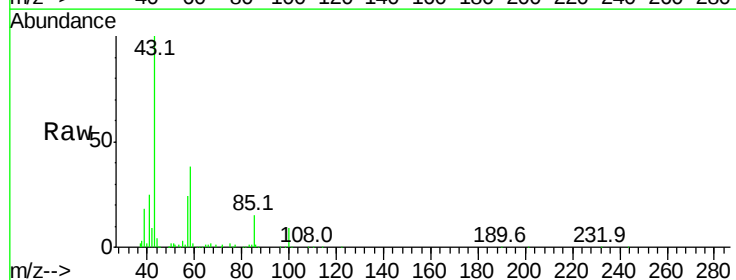
Acq: 30 Jan 2020 13:23

Tgt Ion: 43 Resp: 136739

Ion Ratio Lower Upper

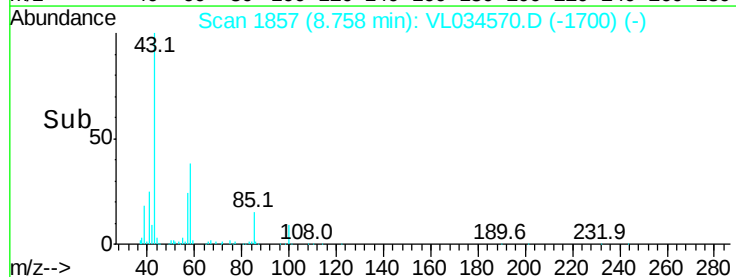
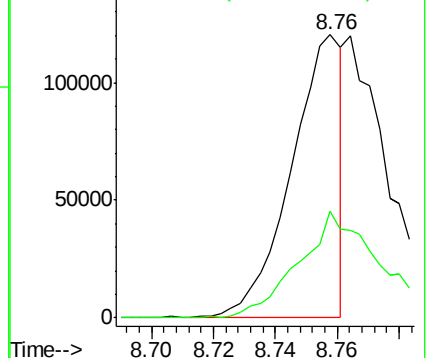
43 100

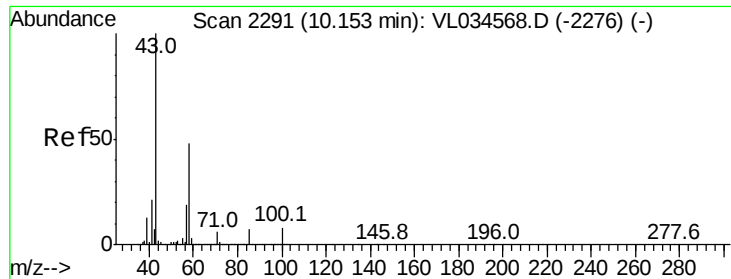
58 60.5 28.2 42.2#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 0.967 ppbv

RT: 10.16 min Scan# 2292

Delta R.T. 0.00 min

Lab File: VL034570.D

Acq: 30 Jan 2020 13:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

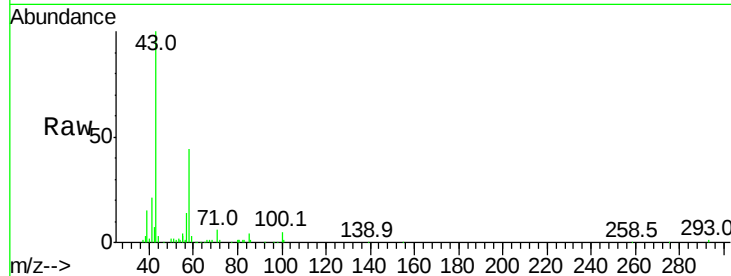
Tgt Ion: 43 Resp: 192557

Ion Ratio Lower Upper

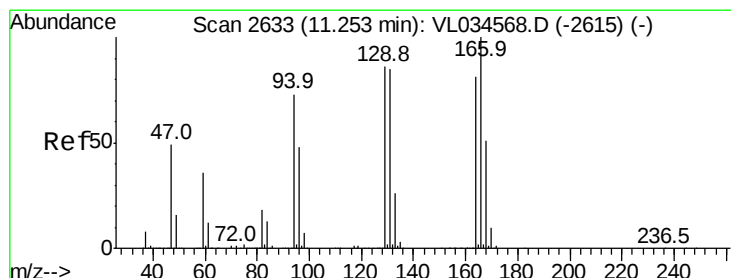
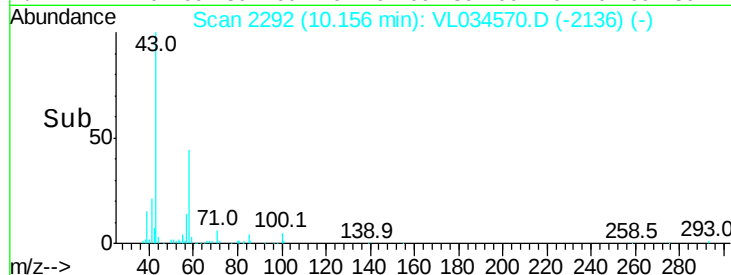
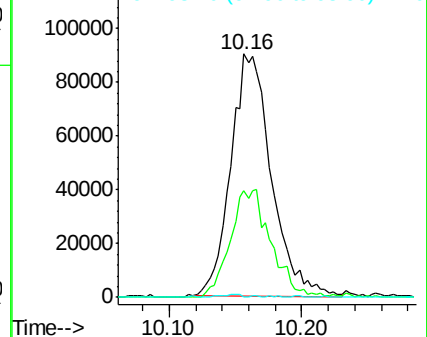
43 100

58 44.2 37.4 56.0

98 1.2 0.2 0.2#



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 1.026 ppbv

RT: 11.25 min Scan# 2631

Delta R.T. -0.01 min

Lab File: VL034570.D

Acq: 30 Jan 2020 13:23

Tgt Ion:164 Resp: 82975

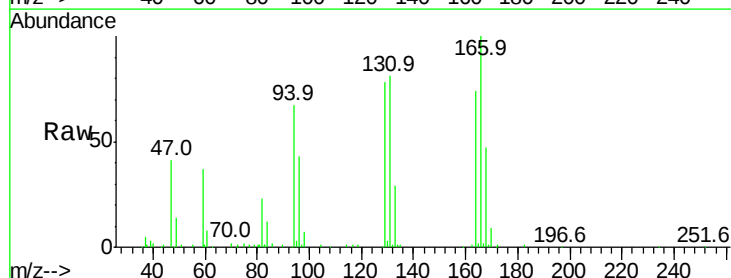
Ion Ratio Lower Upper

164 100

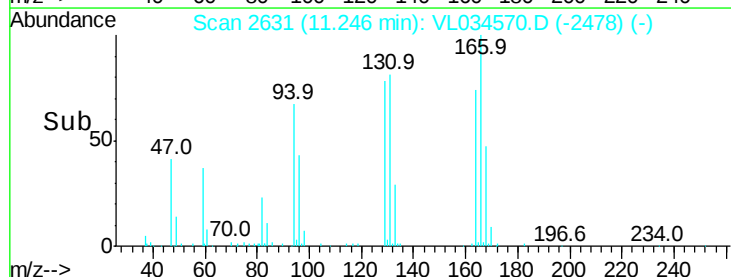
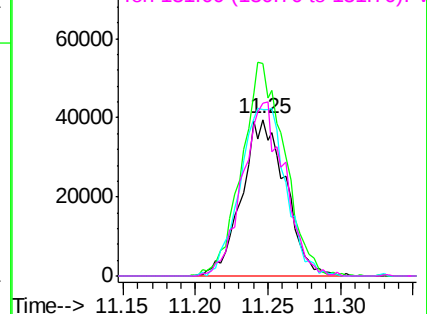
166 135.3 95.7 143.5

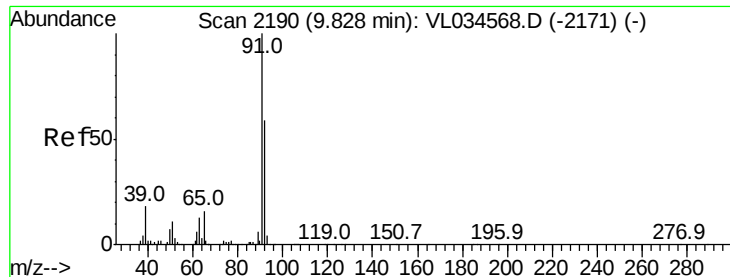
129 106.1 82.2 123.2

131 110.9 81.3 121.9



Abundance Ion 163.90 (163.60 to 164.60): V
Ion 165.90 (165.60 to 166.60): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 1.025 ppbv

RT: 9.83 min Scan# 2189

Delta R.T. -0.00 min

Lab File: VL034570.D

Acq: 30 Jan 2020 13:23

Instrument :

MSVOA_L

ClientSampleId :

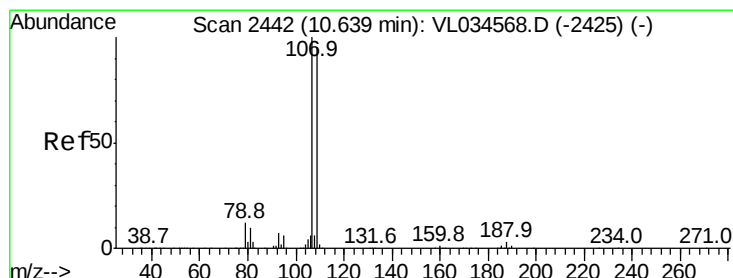
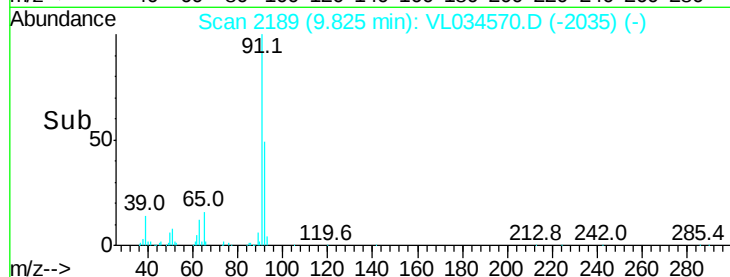
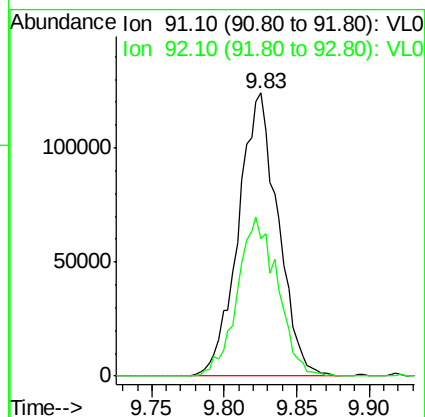
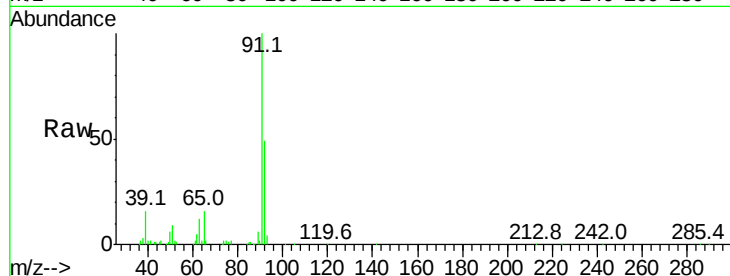
VSTDIC001

Tgt Ion: 91 Resp: 233499

Ion Ratio Lower Upper

91 100

92 57.4 48.4 72.6



#54

1,2-Dibromoethane

Concen: 0.491 ppbv

RT: 10.63 min Scan# 2438

Delta R.T. -0.01 min

Lab File: VL034570.D

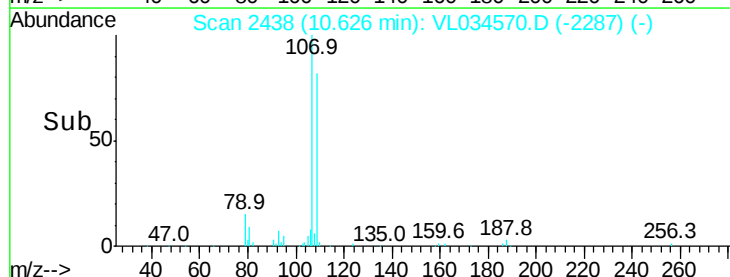
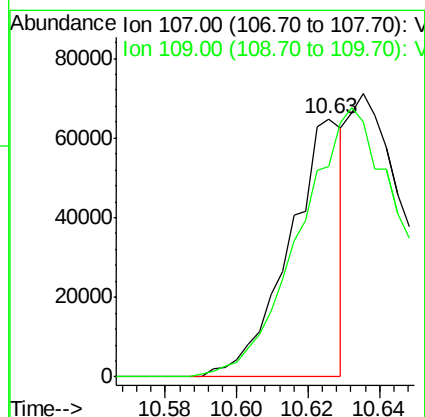
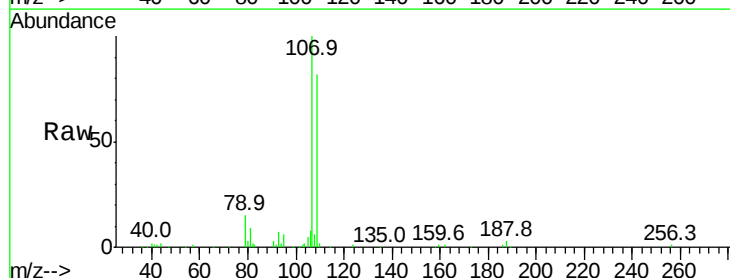
Acq: 30 Jan 2020 13:23

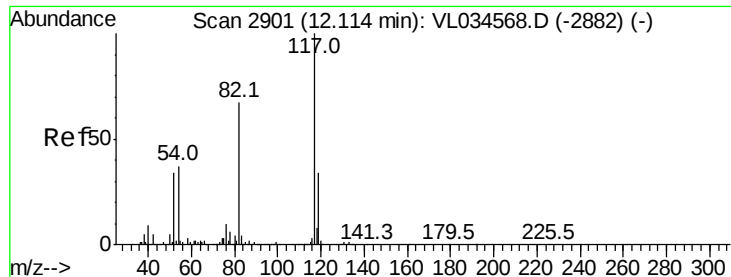
Tgt Ion: 107 Resp: 67112

Ion Ratio Lower Upper

107 100

109 81.6 75.5 113.3

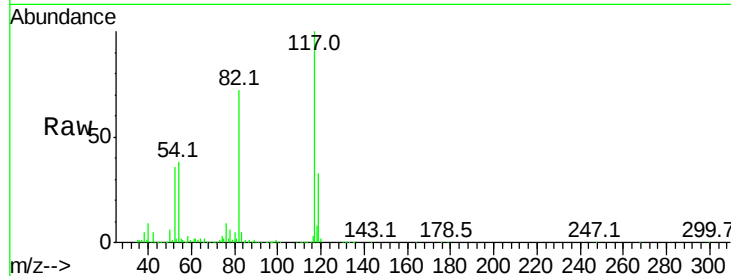




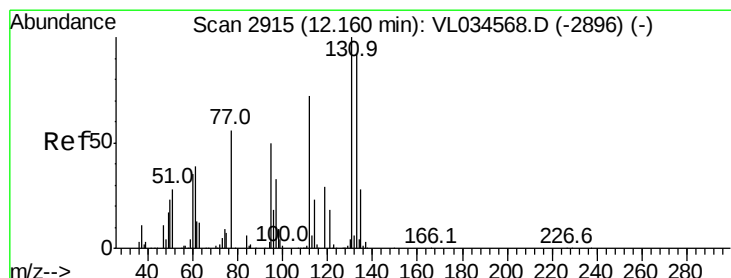
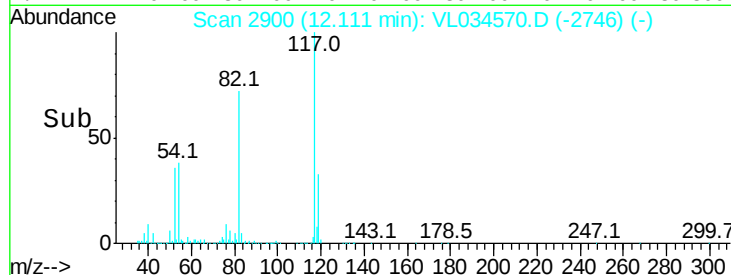
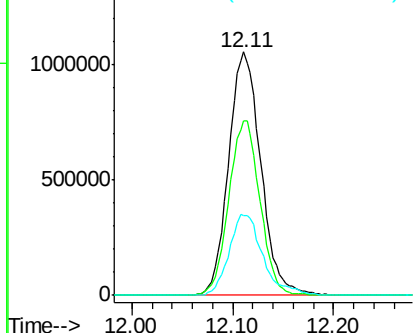
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2900
Delta R.T. -0.00 min
Lab File: VL034570.D
Acq: 30 Jan 2020 13:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion:117 Resp: 2353231
Ion Ratio Lower Upper
117 100
82 69.4 56.2 84.4
119 34.9 27.1 40.7

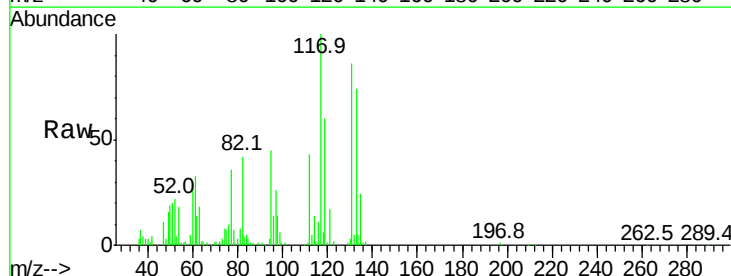


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): V
Ion 119.10 (118.80 to 119.80): V

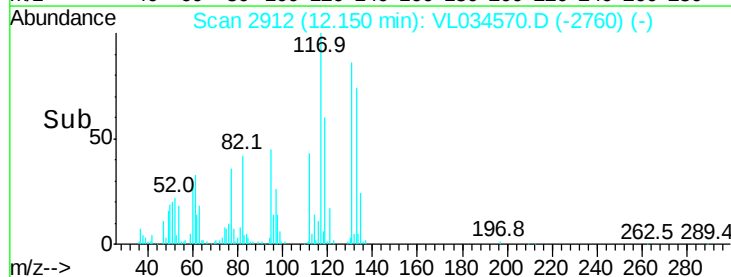
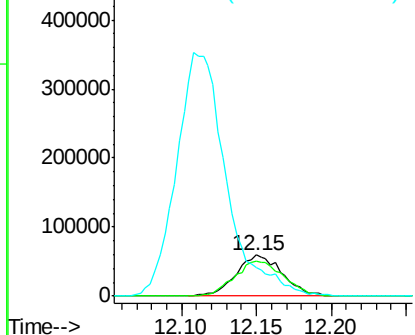


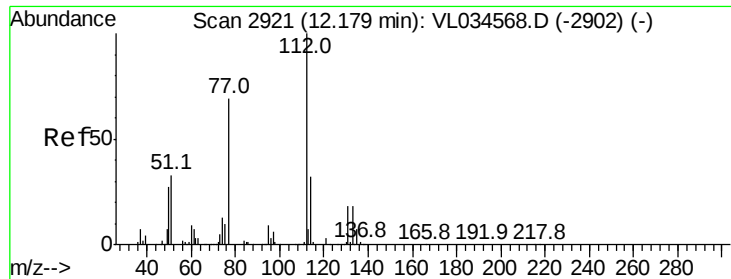
#56
1,1,1,2-Tetrachloroethane
Concen: 1.117 ppbv
RT: 12.15 min Scan# 2912
Delta R.T. -0.01 min
Lab File: VL034570.D
Acq: 30 Jan 2020 13:23

Tgt Ion:131 Resp: 126872
Ion Ratio Lower Upper
131 100
133 92.2 76.2 114.2
119 648.0 47.1 70.7#



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

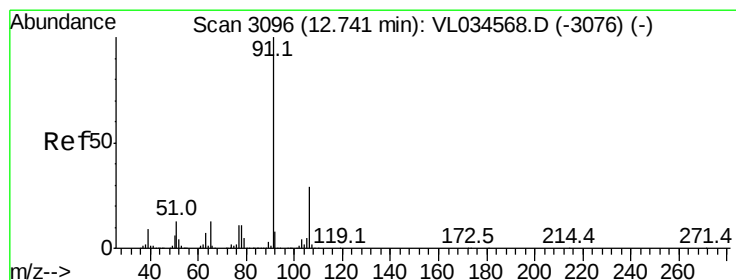
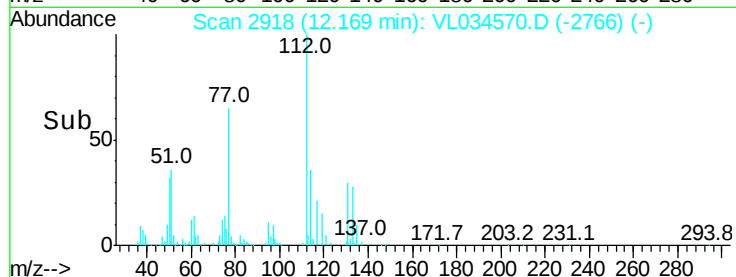
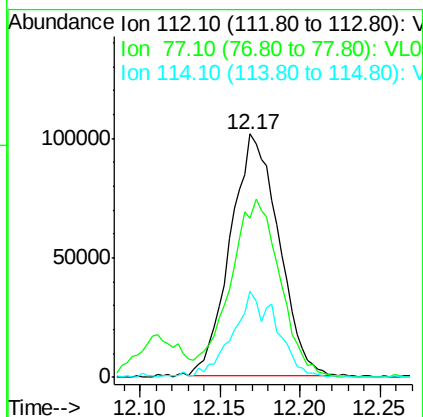
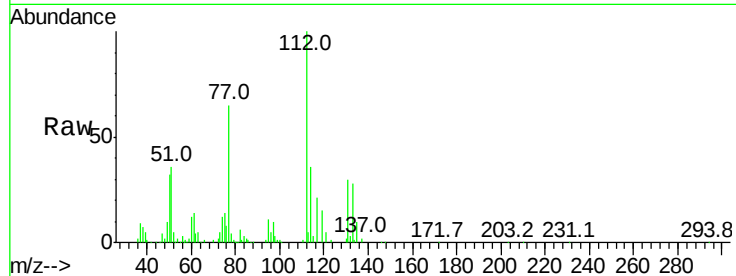




#57
Chlorobenzene
Concen: 1.076 ppbv
RT: 12.17 min Scan# 2918
Delta R.T. -0.01 min
Lab File: VL034570.D
Acq: 30 Jan 2020 13:23

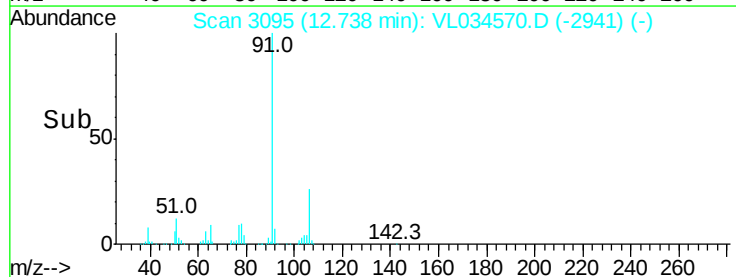
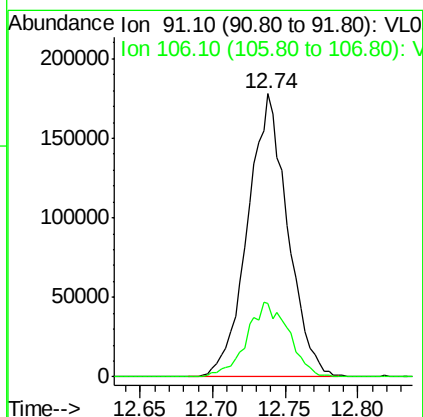
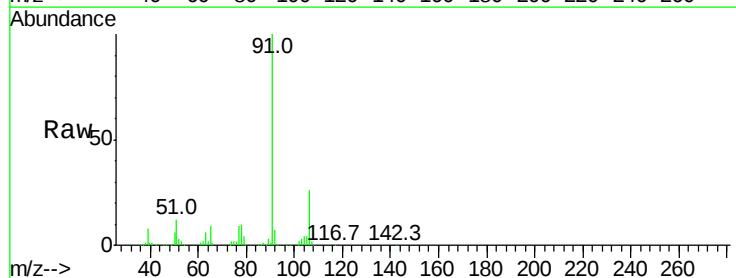
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

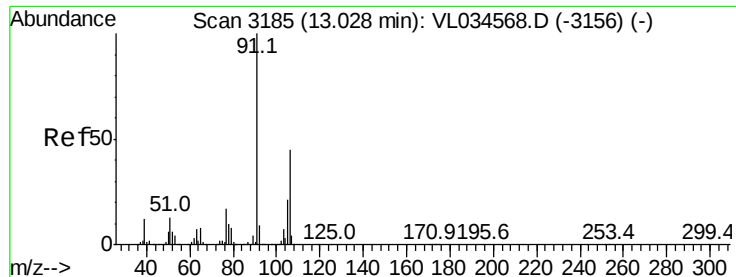
Tgt Ion	Ratio	Lower	Upper
112	100		
77	65.1	57.4	86.0
114	35.2	28.4	34.8#



#58
Ethyl Benzene
Concen: 1.076 ppbv
RT: 12.74 min Scan# 3095
Delta R.T. -0.00 min
Lab File: VL034570.D
Acq: 30 Jan 2020 13:23

Tgt Ion	Ratio	Lower	Upper
91	100		
106	26.0	24.6	36.8

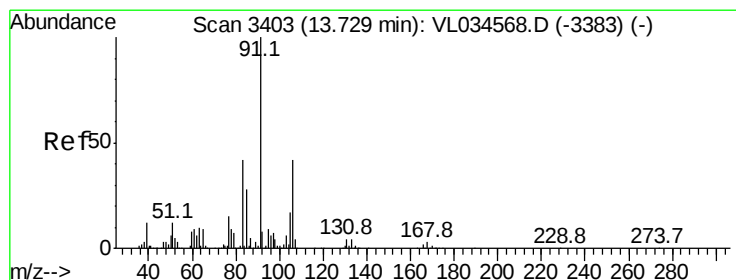
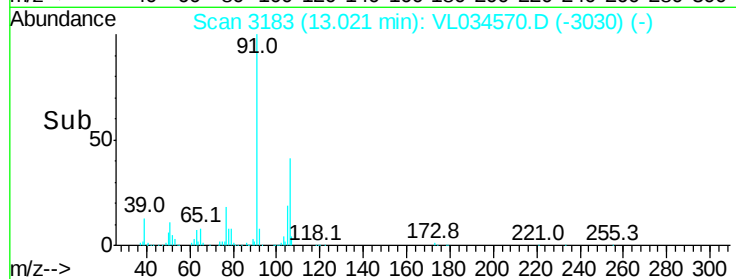
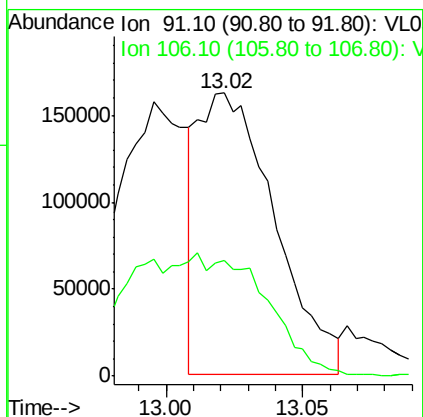
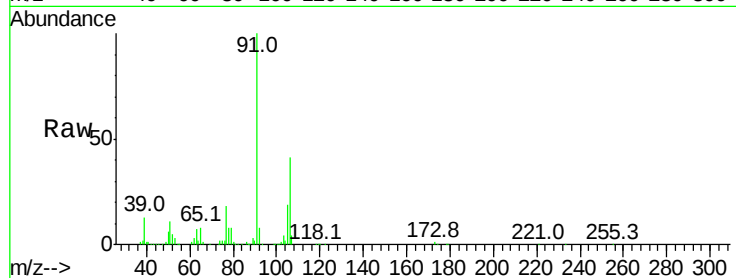




#59
m/p-Xylene
Concen: 1.133 ppbv
RT: 13.02 min Scan# 3183
Delta R.T. -0.01 min
Lab File: VL034570.D
Acq: 30 Jan 2020 13:23

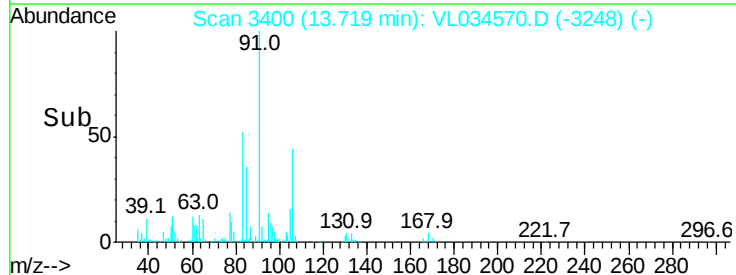
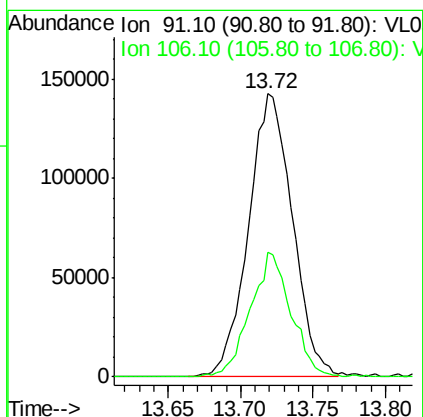
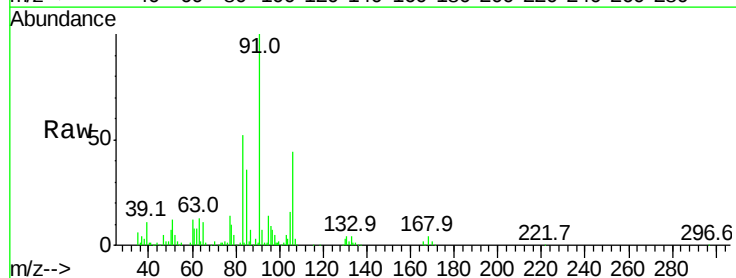
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

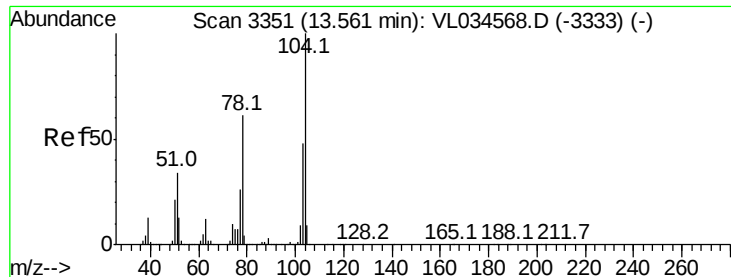
Tgt Ion: 91 Resp: 314369
Ion Ratio Lower Upper
91 100
106 82.0 35.6 53.4#



#60
o-Xylene
Concen: 1.082 ppbv
RT: 13.72 min Scan# 3400
Delta R.T. -0.01 min
Lab File: VL034570.D
Acq: 30 Jan 2020 13:23

Tgt Ion: 91 Resp: 301427
Ion Ratio Lower Upper
91 100
106 40.8 21.4 64.3





#61

Styrene

Concen: 1.002 ppbv

RT: 13.56 min Scan# 3351

Delta R.T. -0.00 min

Lab File: VL034570.D

Acq: 30 Jan 2020 13:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

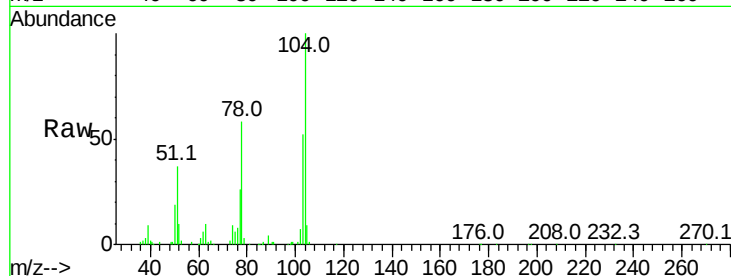
Tgt Ion:104 Resp: 190709

Ion Ratio Lower Upper

104 100

78 62.4 47.7 71.5

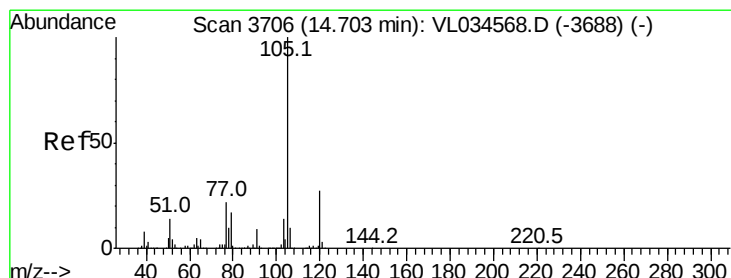
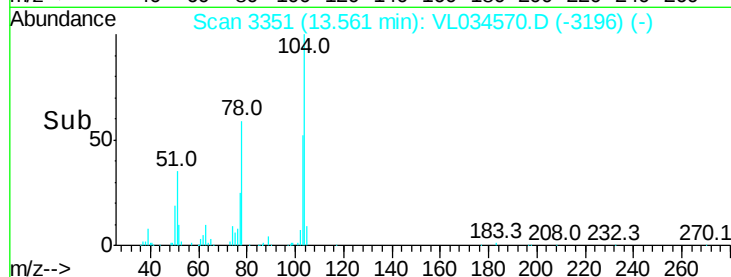
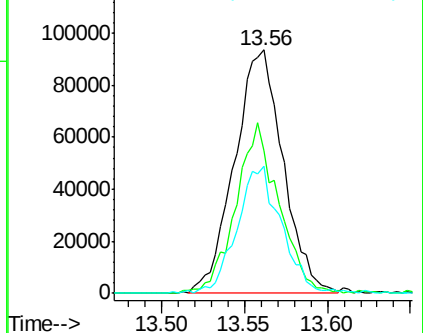
103 48.1 38.6 58.0



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: 1.087 ppbv

RT: 14.70 min Scan# 3704

Delta R.T. -0.01 min

Lab File: VL034570.D

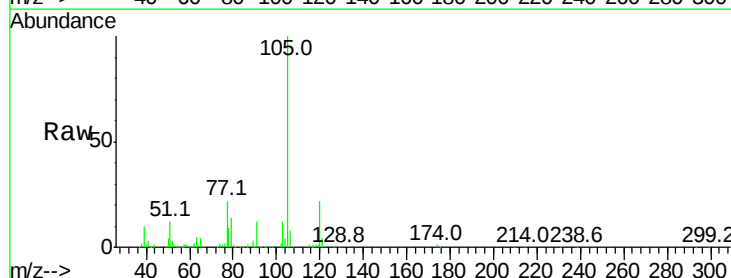
Acq: 30 Jan 2020 13:23

Tgt Ion:105 Resp: 396067

Ion Ratio Lower Upper

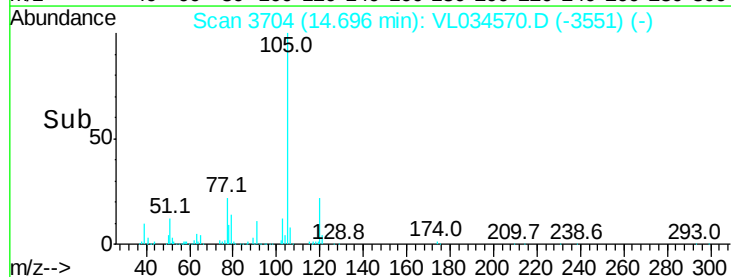
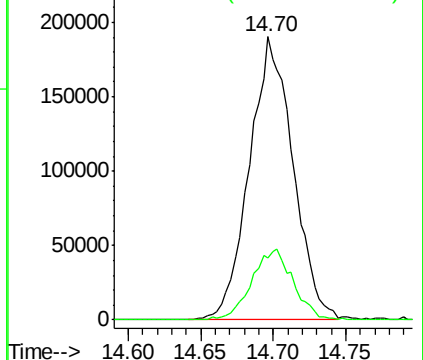
105 100

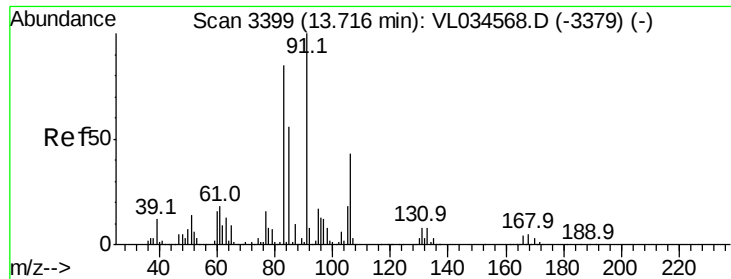
120 23.9 20.6 30.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

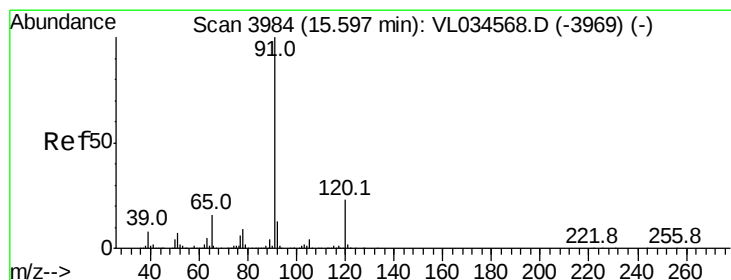
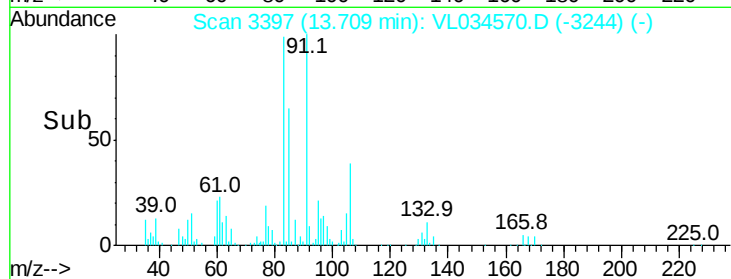
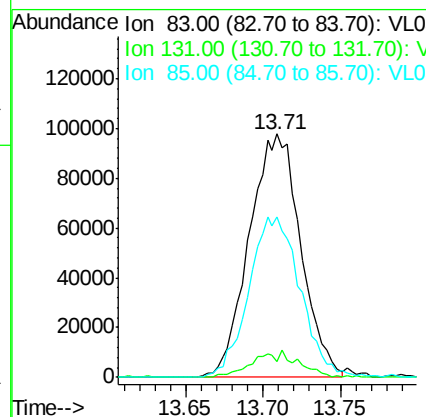
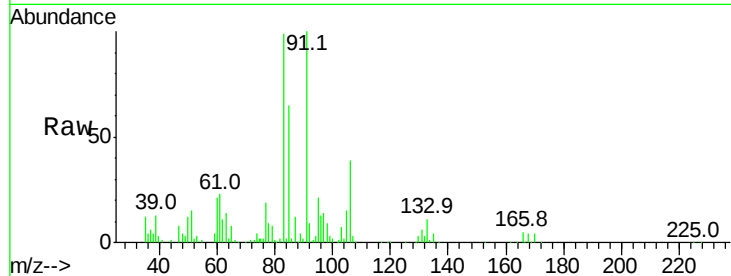




#63
 1,1,2,2-Tetrachloroethane
 Concen: 1.010 ppbv
 RT: 13.71 min Scan# 3397
 Delta R.T. -0.01 min
 Lab File: VL034570.D
 Acq: 30 Jan 2020 13:23

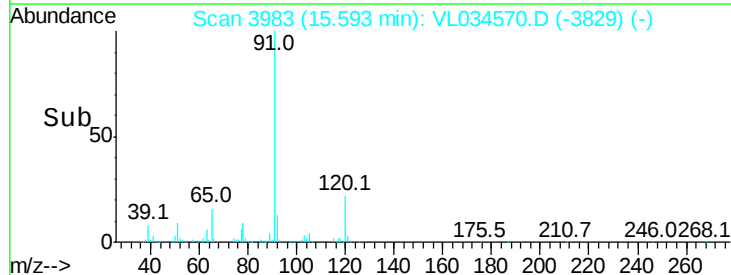
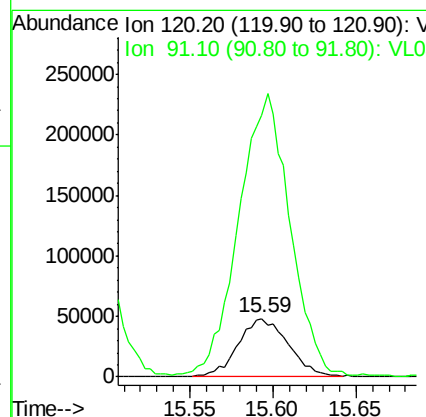
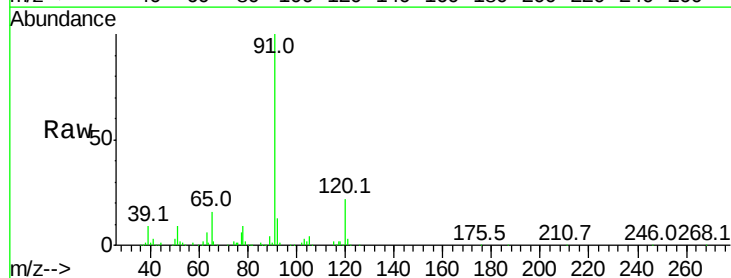
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

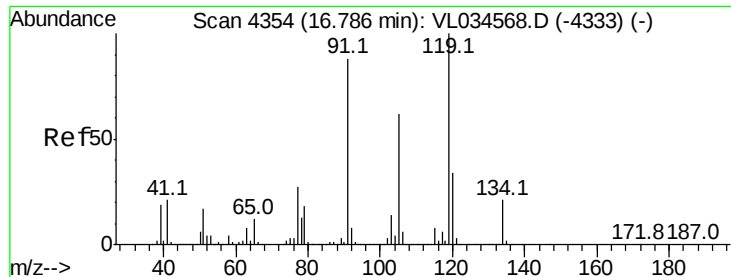
Tgt Ion: 83 Resp: 225589
 Ion Ratio Lower Upper
 83 100
 131 9.8 4.8 14.4
 85 66.5 32.5 97.4



#64
 n-propylbenzene
 Concen: 1.092 ppbv
 RT: 15.59 min Scan# 3983
 Delta R.T. -0.00 min
 Lab File: VL034570.D
 Acq: 30 Jan 2020 13:23

Tgt Ion: 120 Resp: 101562
 Ion Ratio Lower Upper
 120 100
 91 498.9 375.6 563.4

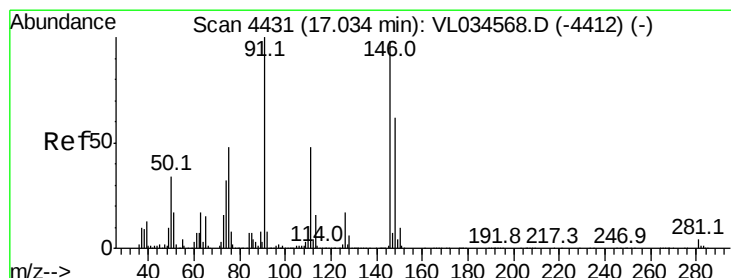
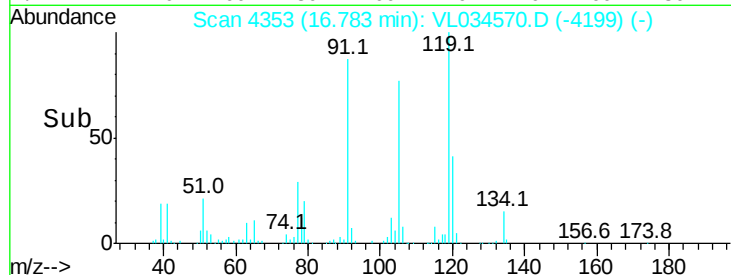
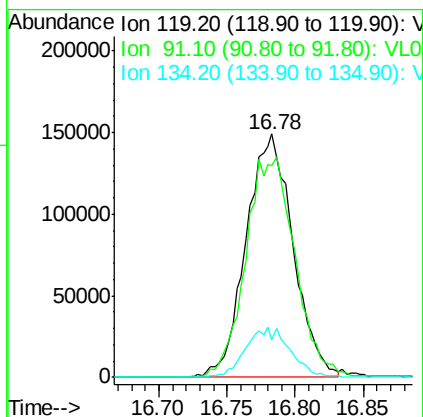
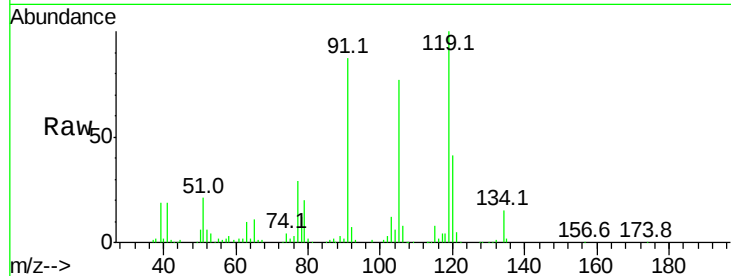




#65
tert-Butylbenzene
Concen: 1.078 ppbv
RT: 16.78 min Scan# 4353
Delta R.T. -0.00 min
Lab File: VL034570.D
Acq: 30 Jan 2020 13:23

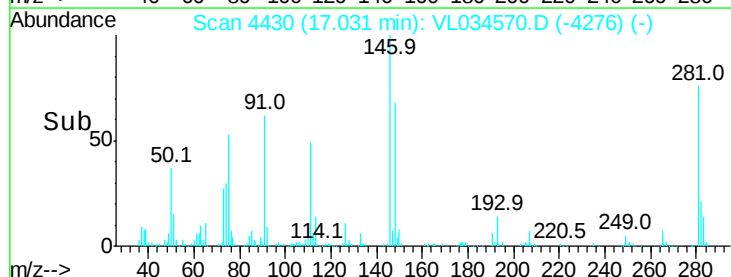
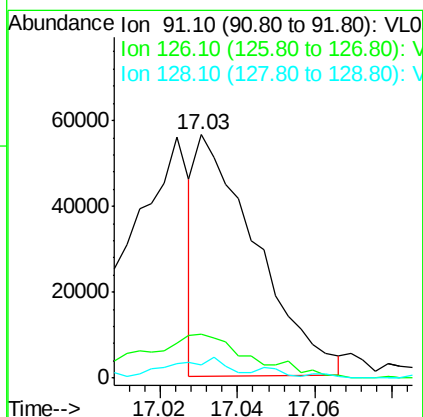
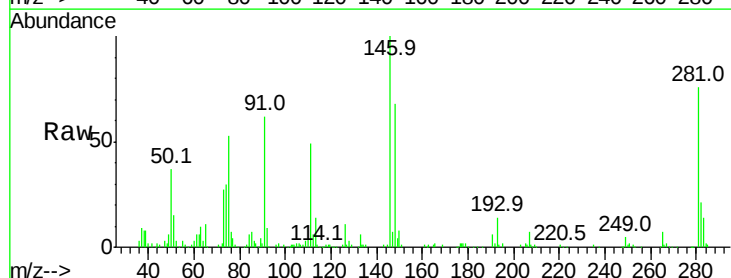
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

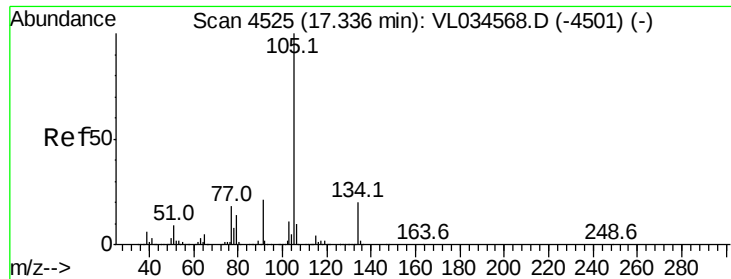
Tgt Ion: 119 Resp: 354763
Ion Ratio Lower Upper
119 100
91 96.1 72.0 108.0
134 19.4 16.1 24.1



#66
Benzyl Chloride
Concen: 0.420 ppbv
RT: 17.03 min Scan# 4430
Delta R.T. -0.00 min
Lab File: VL034570.D
Acq: 30 Jan 2020 13:23

Tgt Ion: 91 Resp: 60636
Ion Ratio Lower Upper
91 100
126 36.2 13.1 19.7#
128 12.3 4.2 6.4#

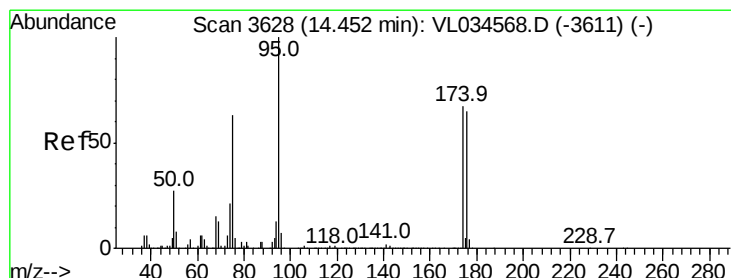
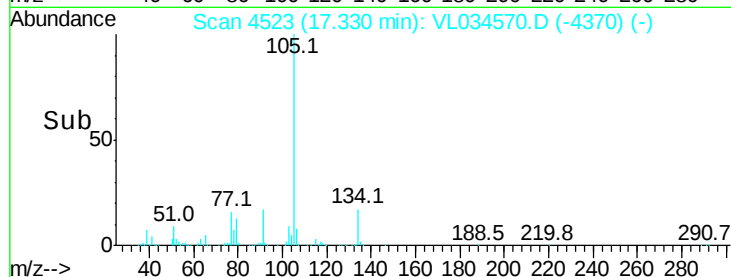
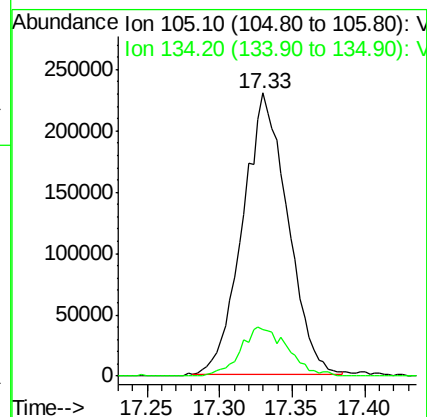
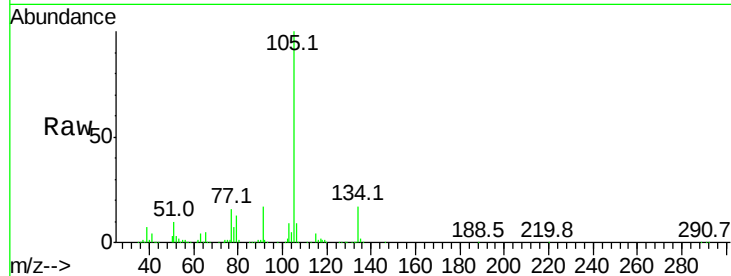




#67
 sec-Butylbenzene
 Concen: 1.072 ppbv
 RT: 17.33 min Scan# 4523
 Delta R.T. -0.01 min
 Lab File: VL034570.D
 Acq: 30 Jan 2020 13:23

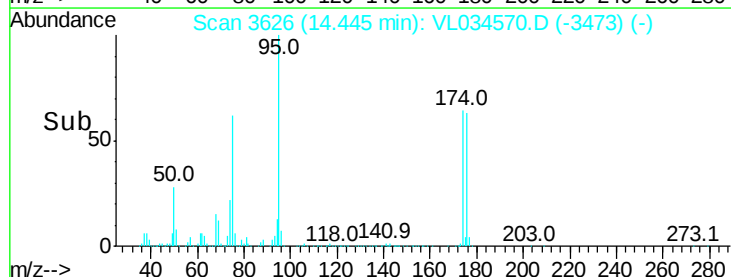
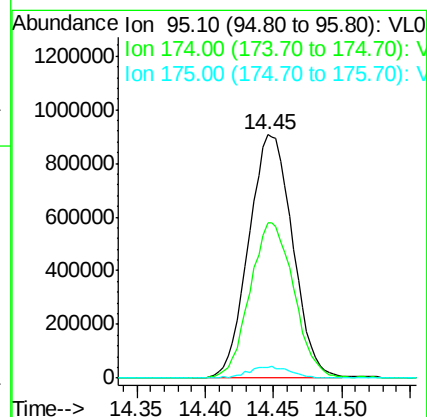
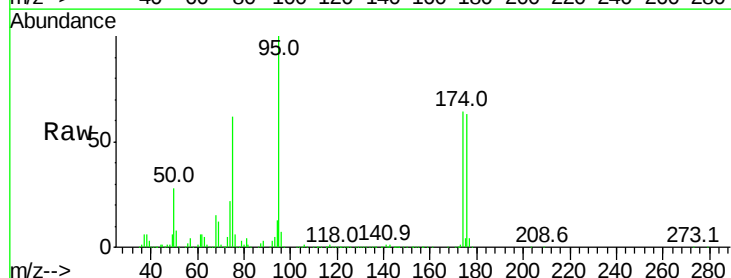
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

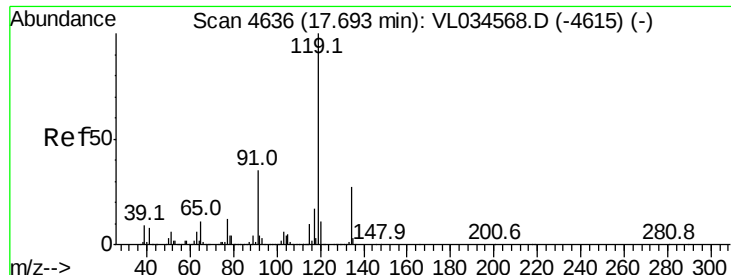
Tgt Ion: 105 Resp: 495612
 Ion Ratio Lower Upper
 105 100
 134 18.5 15.1 22.7



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.321 ppbv
 RT: 14.45 min Scan# 3626
 Delta R.T. -0.01 min
 Lab File: VL034570.D
 Acq: 30 Jan 2020 13:23

Tgt Ion: 95 Resp: 2026639
 Ion Ratio Lower Upper
 95 100
 174 64.3 52.4 78.6
 175 4.6 3.9 5.9

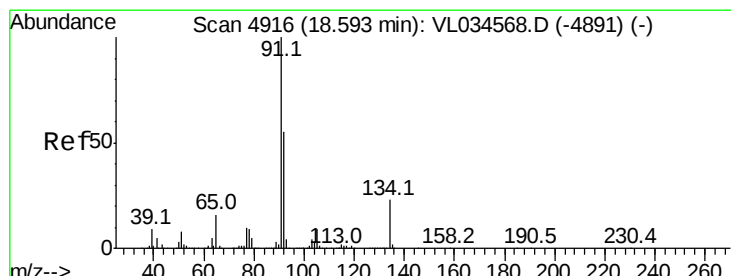
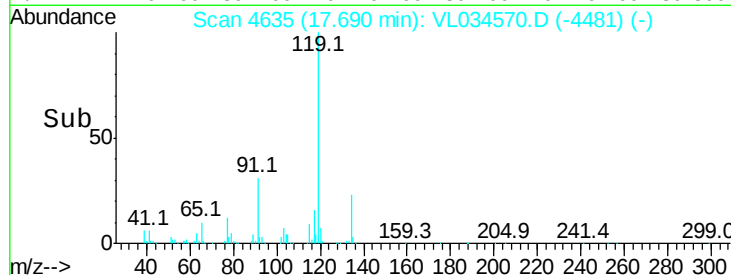
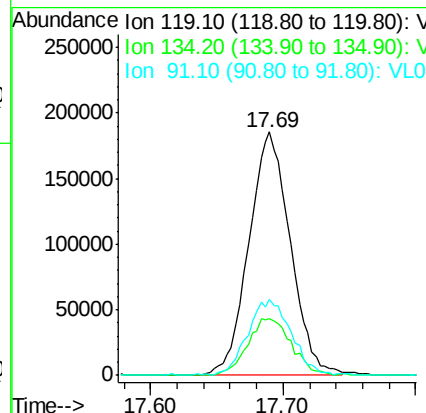
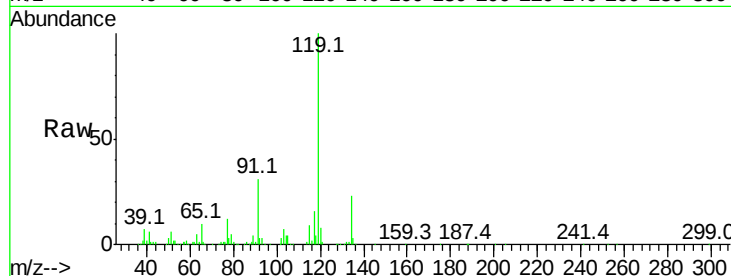




#69
 p-Isopropyltoluene
 Concen: 1.074 ppbv
 RT: 17.69 min Scan# 4635
 Delta R.T. -0.00 min
 Lab File: VL034570.D
 Acq: 30 Jan 2020 13:23

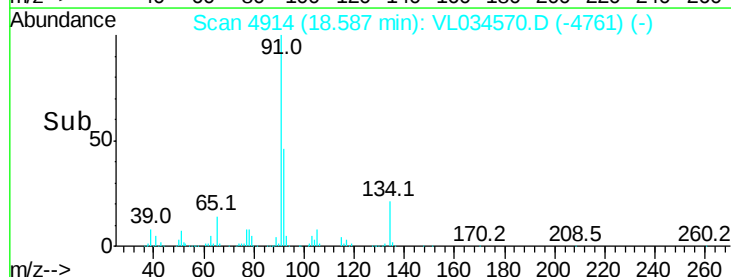
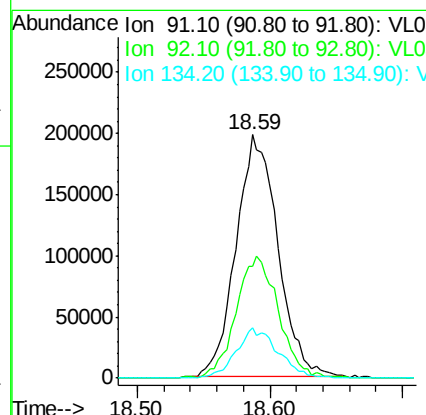
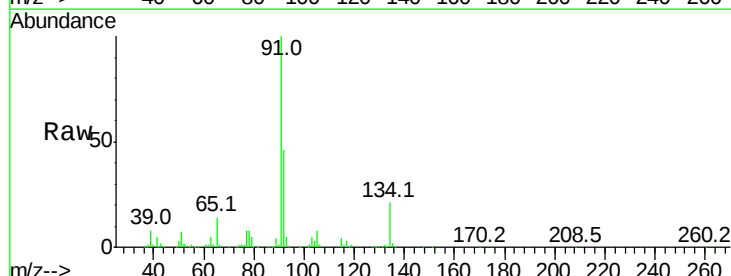
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

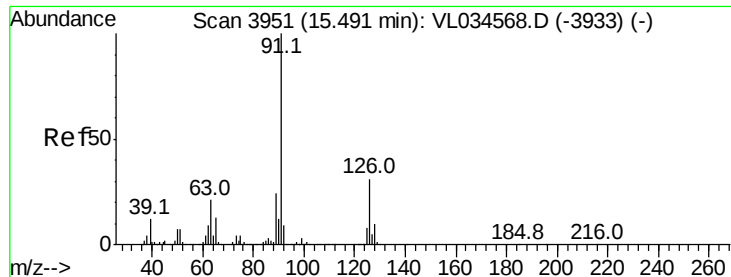
Tgt Ion	Ratio	Lower	Upper
119	100		
134	24.9	20.7	31.1
91	33.0	26.6	39.8



#70
 n-Butylbenzene
 Concen: 1.070 ppbv
 RT: 18.59 min Scan# 4914
 Delta R.T. -0.01 min
 Lab File: VL034570.D
 Acq: 30 Jan 2020 13:23

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.6	43.8	65.6
134	20.7	18.0	27.0





#71

2-Chlorotoluene

Concen: 1.049 ppbv

RT: 15.48 min Scan# 3949

Delta R.T. -0.01 min

Lab File: VL034570.D

Acq: 30 Jan 2020 13:23

Instrument :

MSVOA_L

ClientSampleId :

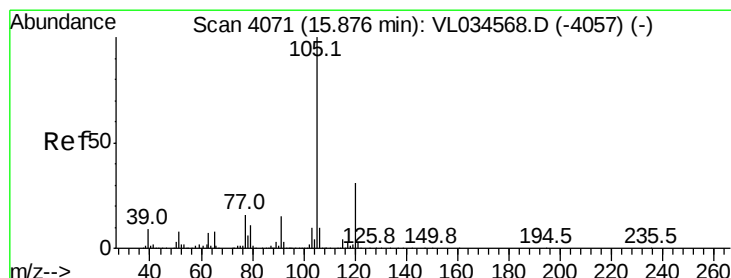
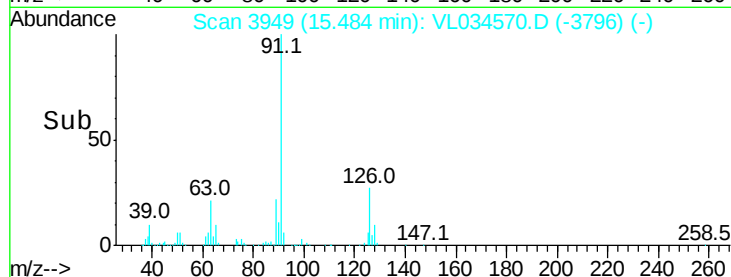
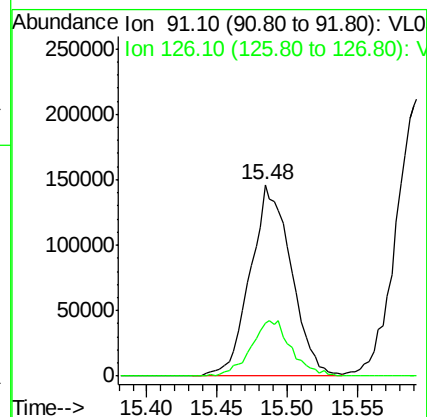
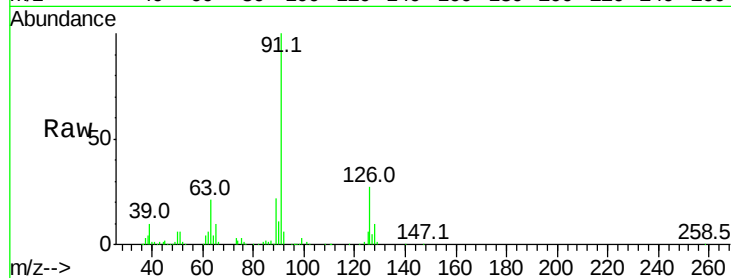
VSTDIC001

Tgt Ion: 91 Resp: 296678

Ion Ratio Lower Upper

91 100

126 28.7 12.0 47.8



#72

4-Ethyltoluene

Concen: 1.041 ppbv

RT: 15.87 min Scan# 4069

Delta R.T. -0.01 min

Lab File: VL034570.D

Acq: 30 Jan 2020 13:23

Tgt Ion: 105 Resp: 324509

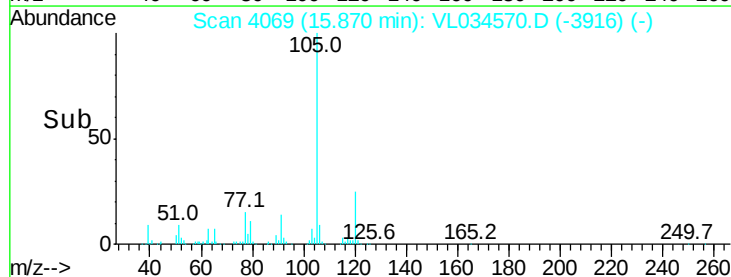
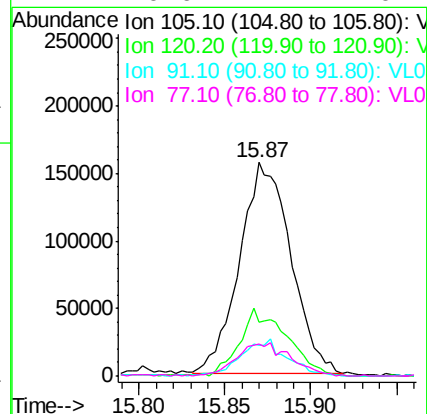
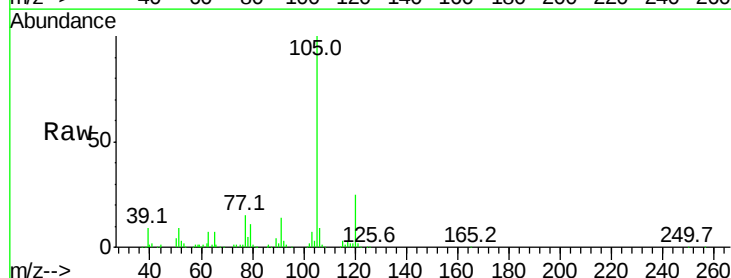
Ion Ratio Lower Upper

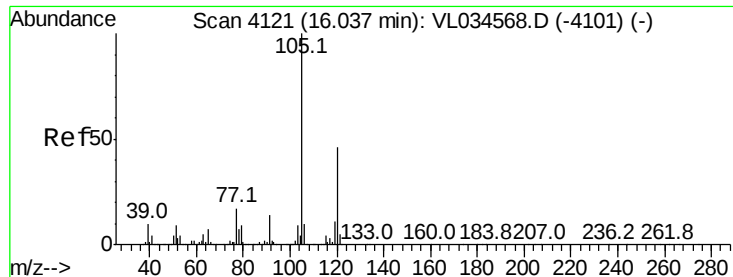
105 100

120 29.6 23.7 35.5

91 15.5 11.5 17.3

77 16.6 12.7 19.1

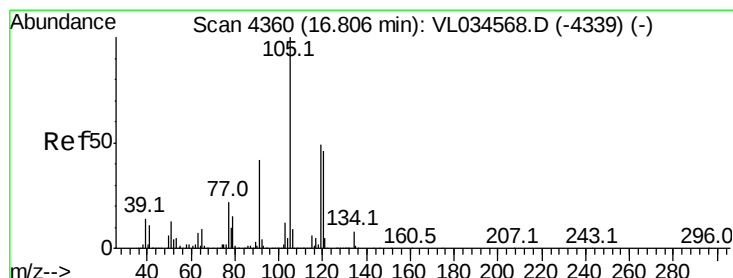
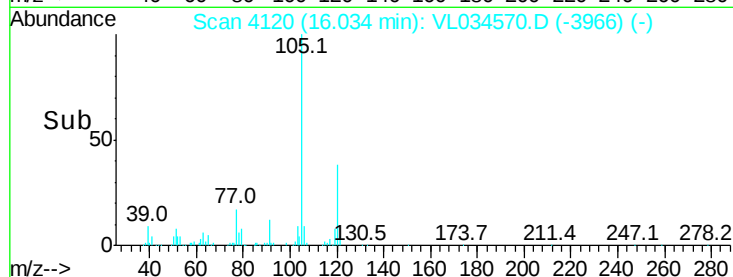
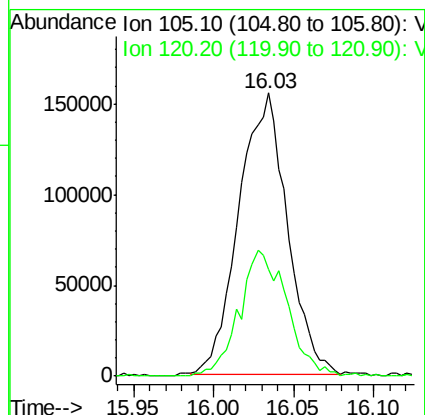
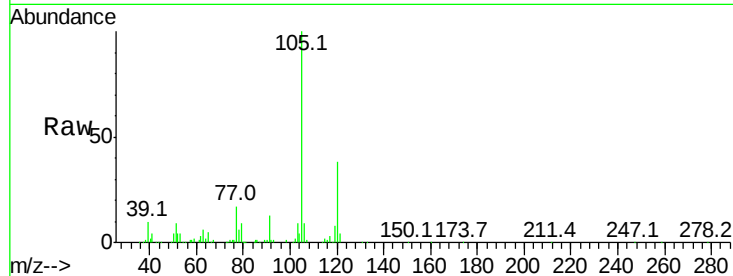




#73
 1,3,5-Trimethylbenzene
 Concen: 1.047 ppbv
 RT: 16.03 min Scan# 4120
 Delta R.T. -0.00 min
 Lab File: VL034570.D
 Acq: 30 Jan 2020 13:23

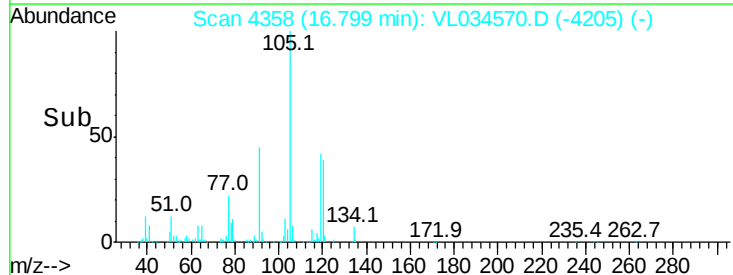
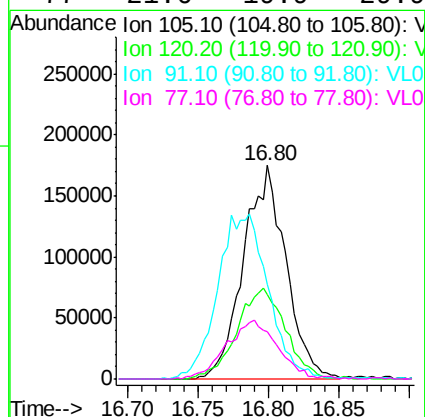
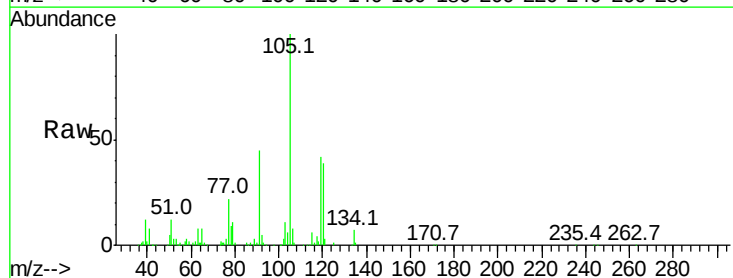
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

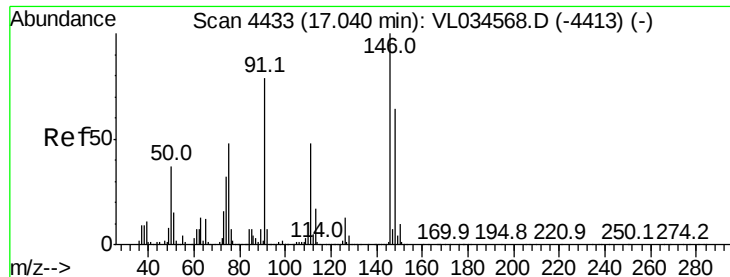
Tgt Ion:105 Resp: 320208
 Ion Ratio Lower Upper
 105 100
 120 37.9 34.6 52.0



#74
 1,2,4-Trimethylbenzene
 Concen: 1.127 ppbv
 RT: 16.80 min Scan# 4358
 Delta R.T. -0.01 min
 Lab File: VL034570.D
 Acq: 30 Jan 2020 13:23

Tgt Ion:105 Resp: 368551
 Ion Ratio Lower Upper
 105 100
 120 38.7 36.7 55.1
 91 43.9 44.0 66.0#
 77 21.6 19.9 29.9





#75

1,3-Dichlorobenzene

Concen: 1.091 ppbv

RT: 17.03 min Scan# 4430

Delta R.T. -0.01 min

Lab File: VL034570.D

Acq: 30 Jan 2020 13:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

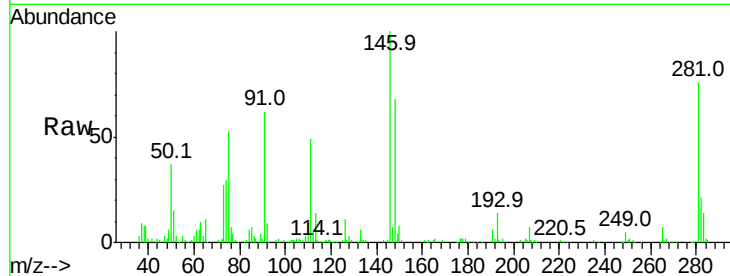
Tgt Ion:146 Resp: 213676

Ion Ratio Lower Upper

146 100

111 49.6 25.1 75.3

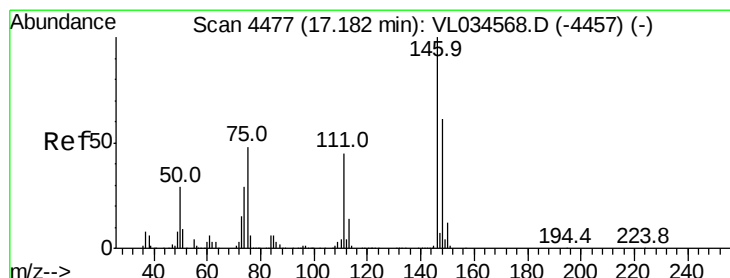
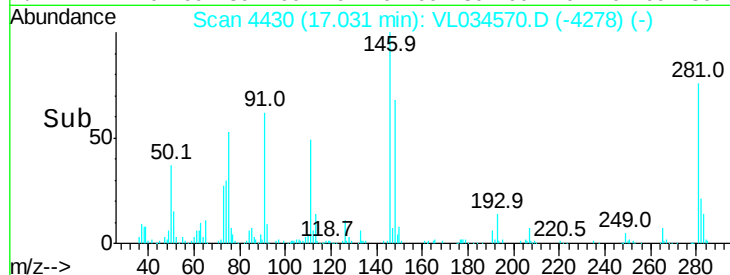
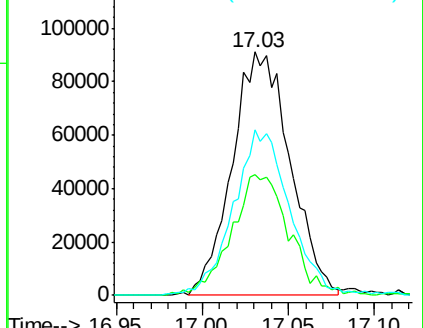
148 66.5 33.0 99.0



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



#76

1,4-Dichlorobenzene

Concen: 0.671 ppbv

RT: 17.18 min Scan# 4476

Delta R.T. -0.00 min

Lab File: VL034570.D

Acq: 30 Jan 2020 13:23

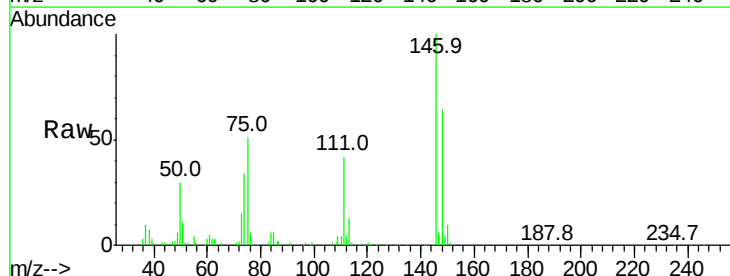
Tgt Ion:146 Resp: 126545

Ion Ratio Lower Upper

146 100

111 76.3 23.5 70.6#

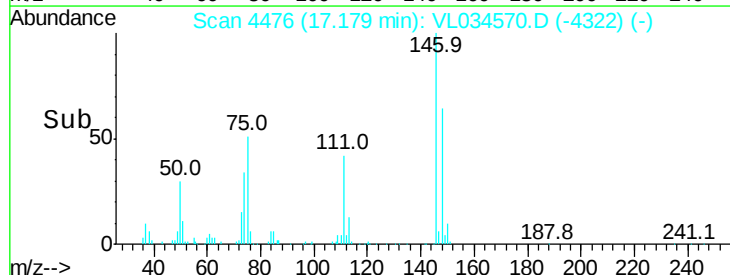
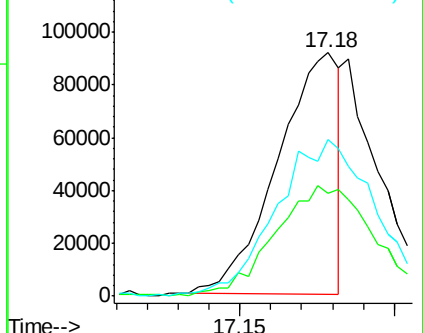
148 107.6 32.1 96.3#

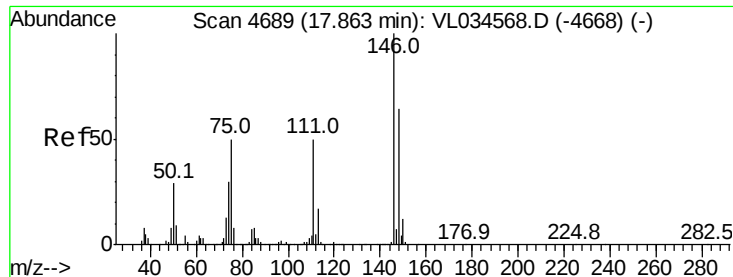


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 1.117 ppbv

RT: 17.86 min Scan# 4687

Delta R.T. -0.01 min

Lab File: VL034570.D

Acq: 30 Jan 2020 13:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

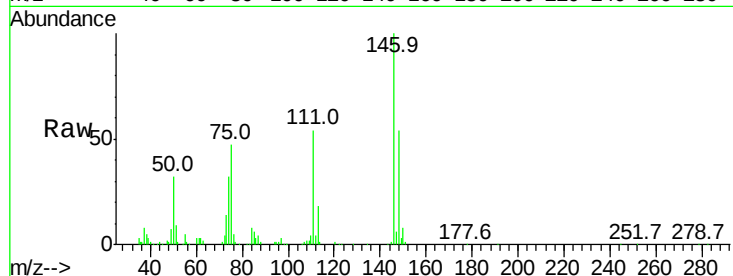
Tgt Ion:146 Resp: 205576

Ion Ratio Lower Upper

146 100

111 51.1 25.3 75.8

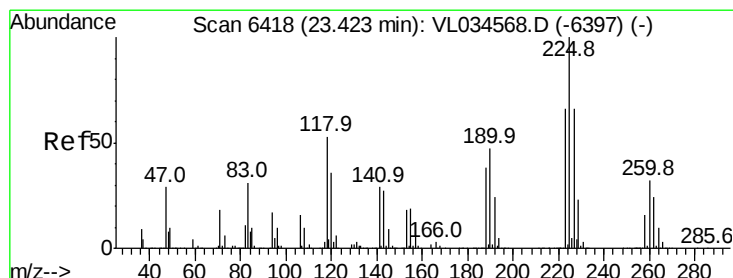
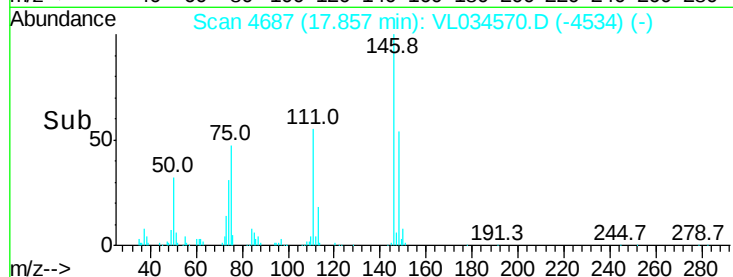
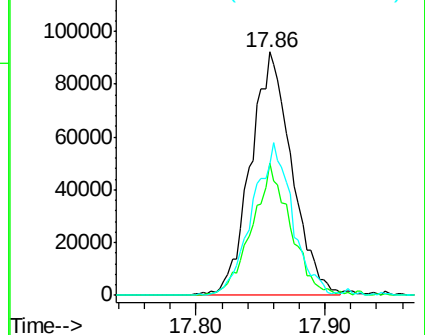
148 61.9 32.1 96.3



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: 0.639 ppbv

RT: 23.42 min Scan# 6417

Delta R.T. -0.00 min

Lab File: VL034570.D

Acq: 30 Jan 2020 13:23

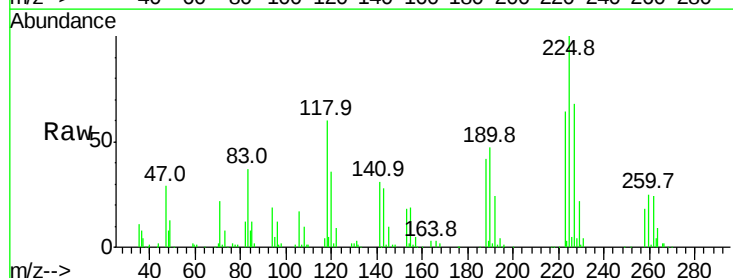
Tgt Ion:225 Resp: 111697

Ion Ratio Lower Upper

225 100

223 0.0 51.0 76.6#

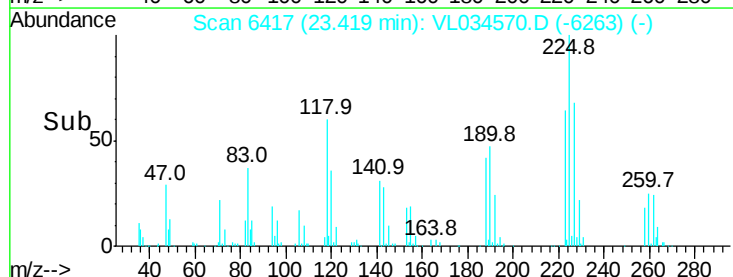
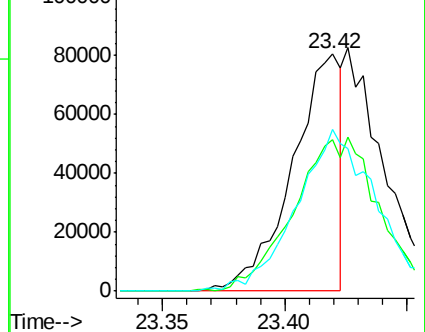
227 112.1 51.8 77.6#

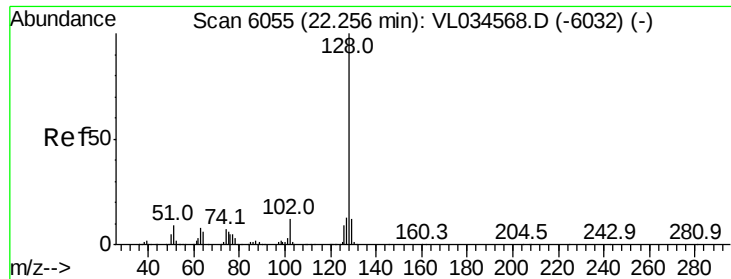


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 0.623 ppbv

RT: 22.26 min Scan# 6056

Delta R.T. 0.00 min

Lab File: VL034570.D

Acq: 30 Jan 2020 13:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

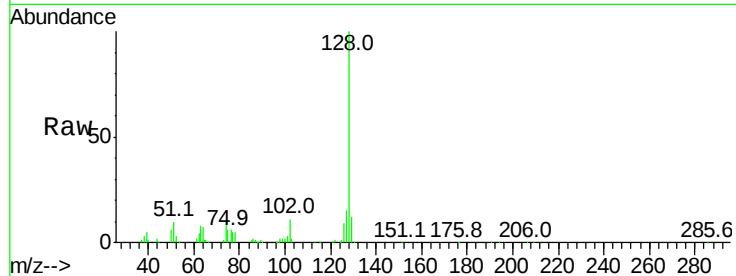
Tgt Ion:128 Resp: 153368

Ion Ratio Lower Upper

128 100

127 15.4 10.6 15.8

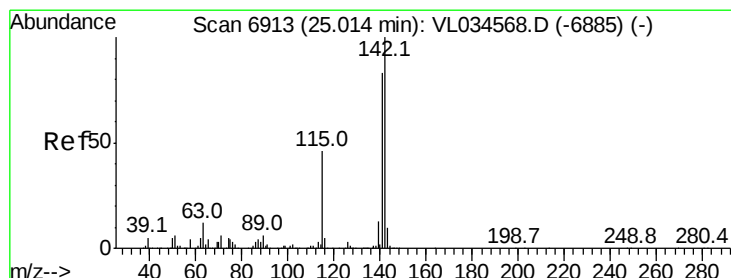
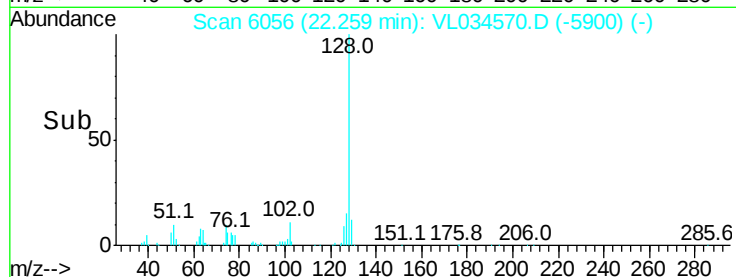
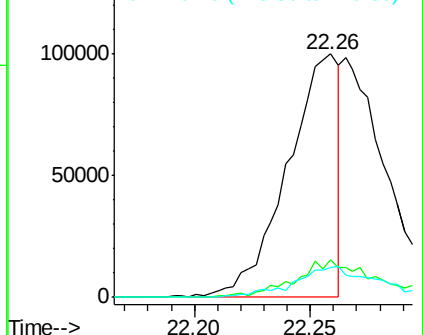
129 12.2 8.7 13.1



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: 1.326 ppbv

RT: 25.02 min Scan# 6915

Delta R.T. 0.01 min

Lab File: VL034570.D

Acq: 30 Jan 2020 13:23

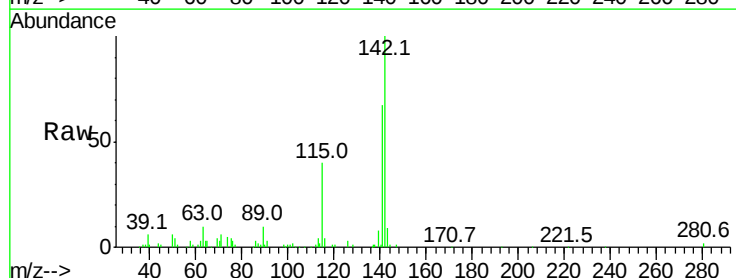
Tgt Ion:142 Resp: 90477

Ion Ratio Lower Upper

142 100

141 81.0 65.8 98.8

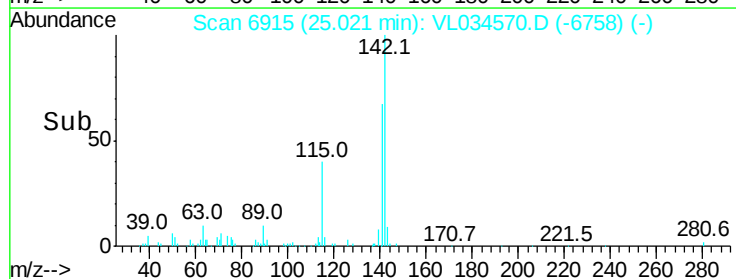
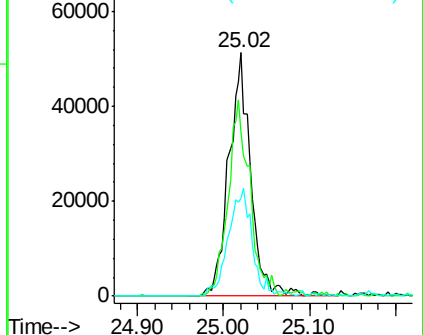
115 48.1 30.4 45.6#

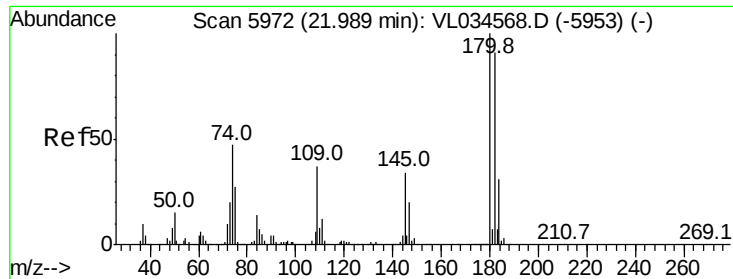


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81

1,2,4-Trichlorobenzene

Concen: 1.084 ppbv

RT: 22.00 min Scan# 5974

Delta R.T. 0.01 min

Lab File: VL034570.D

Acq: 30 Jan 2020 13:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

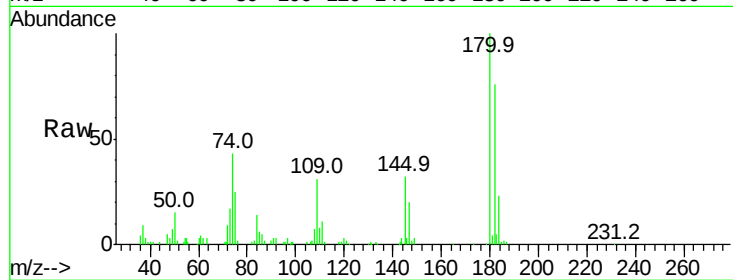
Tgt Ion:180 Resp: 173807

Ion Ratio Lower Upper

180 100

182 101.1 77.8 116.8

184 30.9 25.2 37.8



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

