

Data File : VL034788.D
Acq On : 4 Mar 2020 14:39
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Quant Time: Mar 04 15:43:58 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030420AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 04 06:36:39 2020
QLast Update : Wed Mar 04 06:36:39 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1026012	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.19	114	2139265	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.12	117	2805667	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.47	95	968027	4.14	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	41.40%#

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.01	85	1134245	6.774	ppbv	99
3) Chlorodifluoromethane	2.95	51	1042991	8.923	ppbv	97
4) Chloromethane	3.11	50	580882	9.226	ppbv	94
5) Vinyl Chloride	3.22	62	611789	9.198	ppbv	98
6) Bromomethane	3.44	94	349098	9.616	ppbv	95
7) Chloroethane	3.53	64	209031	9.089	ppbv	98
8) Dichlorotetrafluoroethane	3.15	85	1304120	8.966	ppbv	98
9) Propene	2.97	41	414218	9.003	ppbv	100
10) Heptane	8.14	43	1300373	11.121	ppbv	98
11) Trichlorofluoromethane	3.93	101	1386392	9.253	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.47	101	941546	9.108	ppbv	100
13) Ethanol	3.58	45	82899	5.259	ppbv #	62
14) Bromoethene	3.71	108	407757	9.613	ppbv	97
15) Acetone	3.82	43	1515285	12.333	ppbv	90
16) 1,3-Butadiene	3.29	39	540671	9.726	ppbv	98
17) tert-Butyl alcohol	4.27	59	998340	10.305	ppbv	99
18) 1,1-Dichloroethene	4.27	96	441947	9.693	ppbv	94
19) Isopropyl Alcohol	3.94	45	800403	10.873	ppbv	99
20) Methylene Chloride	4.33	84	385784	8.798	ppbv	92
21) Allyl Chloride	4.39	41	760528	9.775	ppbv	95
22) trans-1,2-Dichloroethene	4.87	96	427687	9.609	ppbv	93
23) Vinyl Acetate	5.07	43	2092276	12.699	ppbv #	95
24) 1,1-Dichloroethane	5.01	63	1181602	9.240	ppbv	98
25) Ethyl Acetate	5.68	43	2363552	11.132	ppbv	96
26) Hexane	5.69	57	1413889	15.244	ppbv #	78
27) Carbon Disulfide	4.53	76	1128931	10.419	ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	1285718	9.313	ppbv	100
29) Chloroform	5.75	83	1445278	9.257	ppbv	98
30) Cyclohexane	7.14	84	839503	11.831	ppbv	100
31) cis-1,2-Dichloroethene	5.55	61	963204	10.125	ppbv	99
32) 1,1,1-Trichloroethane	6.52	97	1400498	9.077	ppbv	98
34) 2-Butanone	5.24	43	1317003	9.463	ppbv	99
35) Carbon Tetrachloride	7.03	117	1485186	9.201	ppbv	99
36) Benzene	6.91	78	1972605	10.791	ppbv	98
37) 1,2-Dichloroethane	6.31	62	1206701	9.664	ppbv	100
38) Trichloroethene	7.86	130	679051	9.531	ppbv	97
39) 1,2-Dichloropropane	7.63	63	714922	9.691	ppbv	94
40) 1,4-Dioxane	7.85	88	270275	10.592	ppbv #	100
41) Tetrahydrofuran	6.05	42	718502	10.118	ppbv	100
42) Bromodichloromethane	7.81	83	1595006	10.096	ppbv	99
43) Methyl Methacrylate	8.03	69	839261	10.834	ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	3295077	10.315	ppbv	97
45) t-1,3-Dichloropropene	9.31	75	1008097	12.397	ppbv	97
46) cis-1,3-Dichloropropene	8.73	75	1158743	11.669	ppbv	100
47) 1,1,2-Trichloroethane	9.51	97	744638	9.561	ppbv	89
48) Dibromochloromethane	10.34	129	1261030	10.354	ppbv	99
49) Bromoform	13.09	173	1080320	10.165	ppbv	100
50) 4-Methyl-2-Pentanone	8.76	43	2037589	10.218	ppbv	99
51) 2-Hexanone	10.16	43	1681832	10.751	ppbv	100
52) Tetrachloroethene	11.26	164	658019	9.743	ppbv	94
53) Toluene	9.83	91	2141906	11.071	ppbv	99
54) 1,2-Dibromoethane	10.64	107	1142916	9.924	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.17	131	930060	7.482	ppbv #	63
57) Chlorobenzene	12.19	112	1567545	7.314	ppbv	97
58) Ethyl Benzene	12.75	91	2852777	8.251	ppbv	98
59) m/p-Xylene	13.03	91	2285487	7.636	ppbv #	28
60) o-Xylene	13.73	91	2296794	7.585	ppbv	99
61) Styrene	13.57	104	1605640	8.547	ppbv	99
62) Isopropylbenzene	14.72	105	3270946	7.339	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.72	83	1603487	6.717	ppbv	99
64) n-propylbenzene	15.61	120	832281	7.448	ppbv	96
65) tert-Butylbenzene	16.80	119	2829460	7.512	ppbv	99
66) Benzyl Chloride	17.04	91	1236187	10.152	ppbv	100
67) sec-Butylbenzene	17.35	105	4077652	7.430	ppbv	99
69) p-Isopropyltoluene	17.70	119	3341333	7.523	ppbv	99
70) n-Butylbenzene	18.60	91	3650606	7.517	ppbv	99
71) 2-Chlorotoluene	15.51	91	2536333	7.535	ppbv	100
72) 4-Ethyltoluene	15.89	105	2636832	7.820	ppbv	99
73) 1,3,5-Trimethylbenzene	16.05	105	2477356	7.660	ppbv	99
74) 1,2,4-Trimethylbenzene	16.82	105	2589094	7.364	ppbv	98
75) 1,3-Dichlorobenzene	17.05	146	1485606	7.138	ppbv	99
76) 1,4-Dichlorobenzene	17.19	146	1478541	7.424	ppbv	100
77) 1,2-Dichlorobenzene	17.88	146	1470762	7.387	ppbv	99
78) Hexachloro-1,3-Butadiene	23.44	225	1291621	7.774	ppbv	98
79) Naphthalene	22.28	128	2569299	9.724	ppbv	99
80) Naphthalene,2-methyl-	25.03	142	1144779	18.141	ppbv	97
81) 1,2,4-Trichlorobenzene	22.00	180	1470526	8.804	ppbv	99

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

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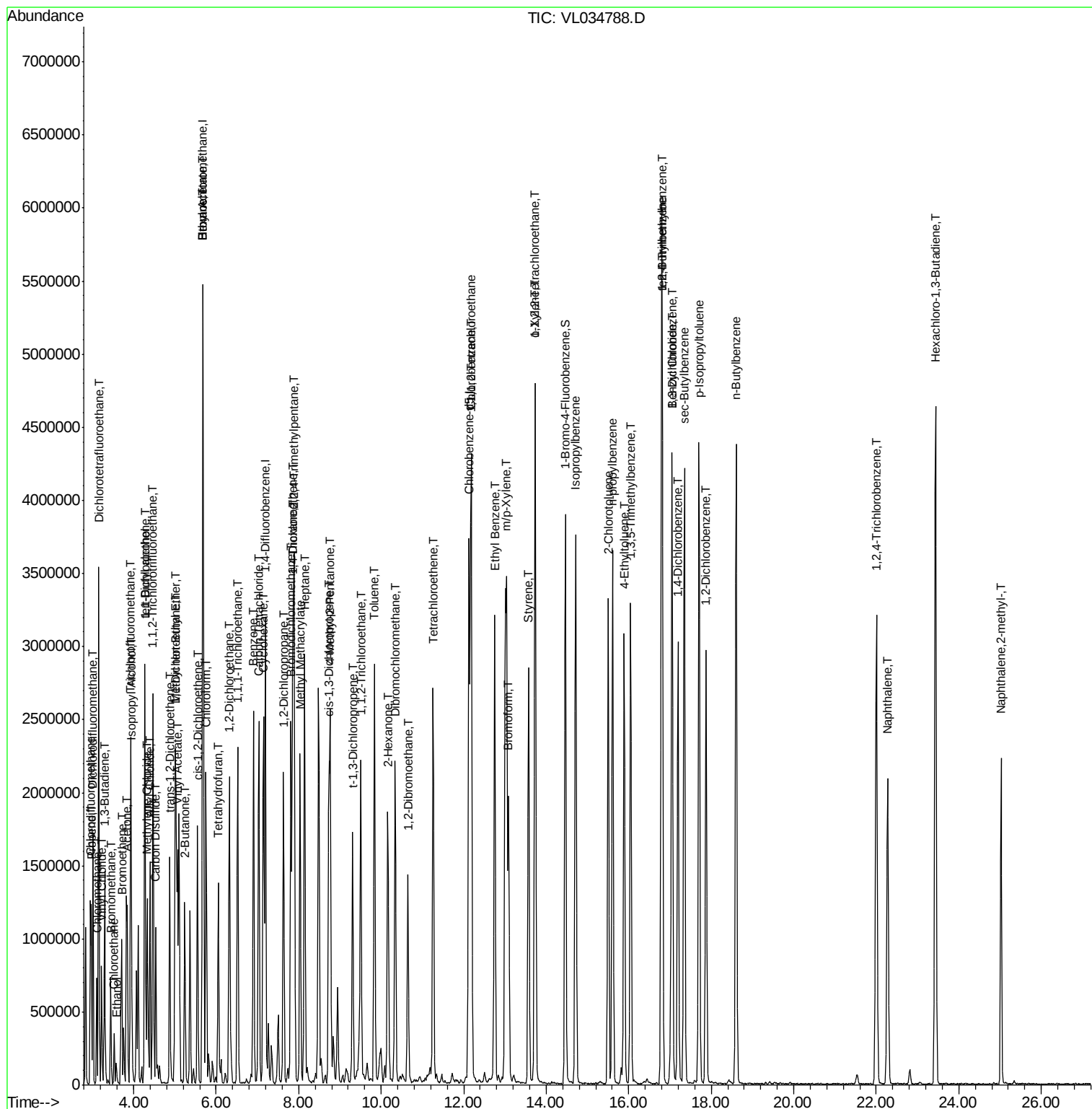
Quant Time: Mar 04 15:43:58 2020

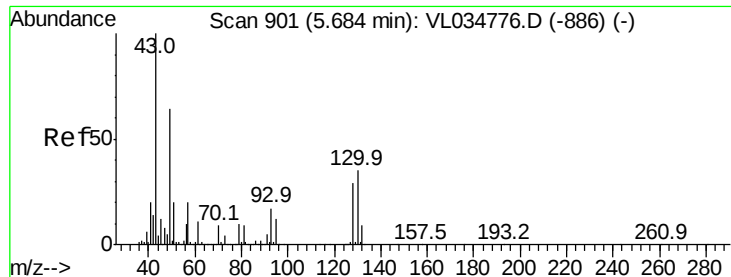
Quant Method : Z:\VOASRV\HPCHEM1\MSV0A_L\METHODS\VL030420AIR.M

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. -0.02 min

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VSTDCCC010EC

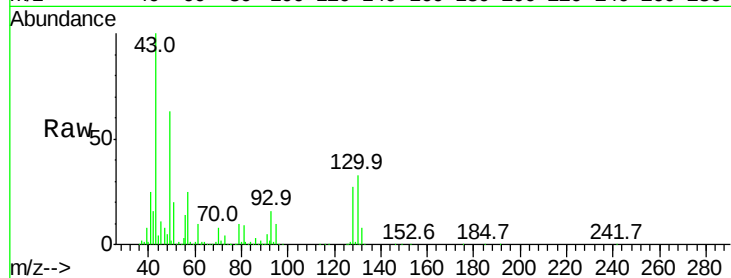
Tgt Ion: 49 Resp: 1026012

Ion Ratio Lower Upper

49 100

128 43.0 21.6 64.6

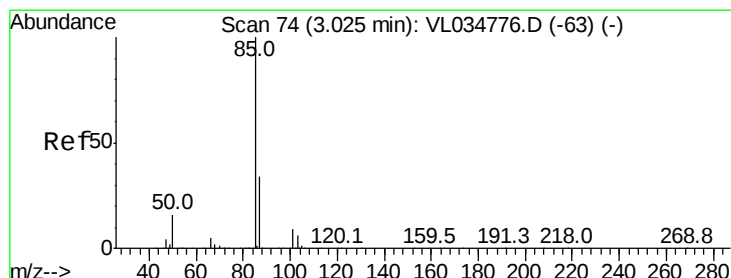
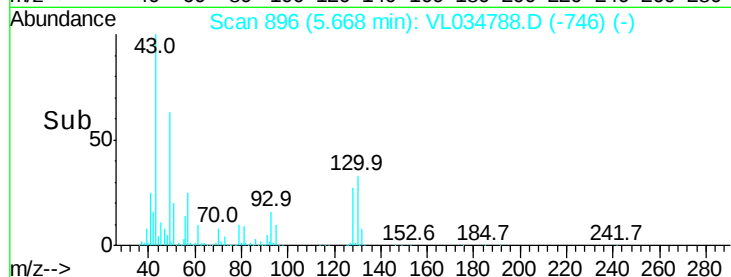
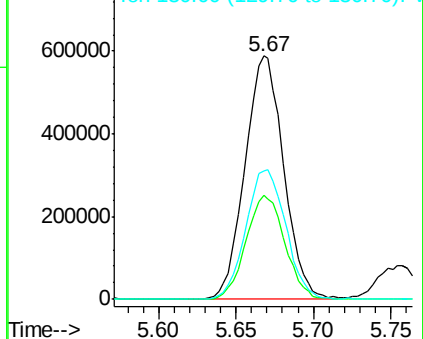
130 55.1 27.4 82.2



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: 6.774 ppbv

RT: 3.01 min Scan# 70

Delta R.T. -0.01 min

Lab File: VL034788.D

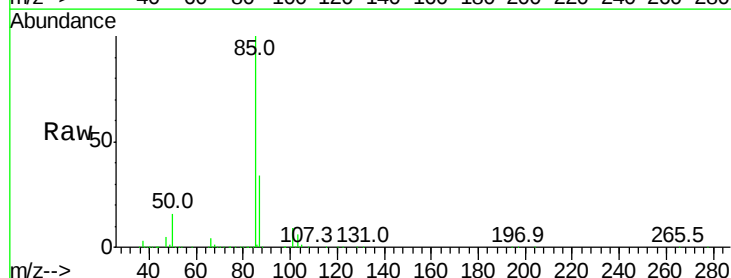
Acq: 4 Mar 2020 14:39

Tgt Ion: 85 Resp: 1134245

Ion Ratio Lower Upper

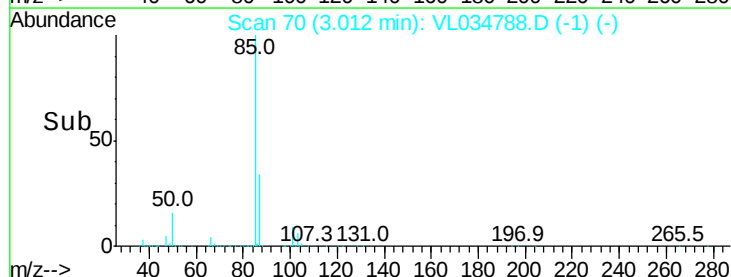
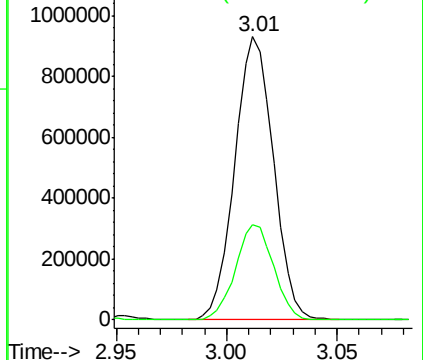
85 100

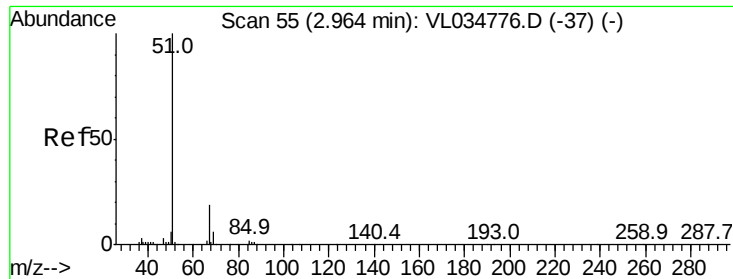
87 33.6 27.2 40.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 8.923 ppbv

RT: 2.95 min Scan# 51

Delta R.T. -0.01 min

Lab File: VL034788.D

Acq: 4 Mar 2020 14:39

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ClientSampleId :

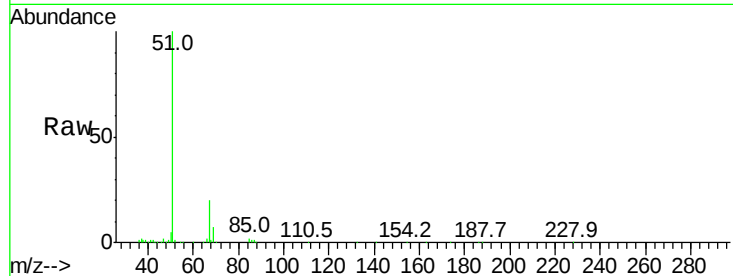
VSTDCCC010EC

Tgt Ion: 51 Resp: 1042991

Ion Ratio Lower Upper

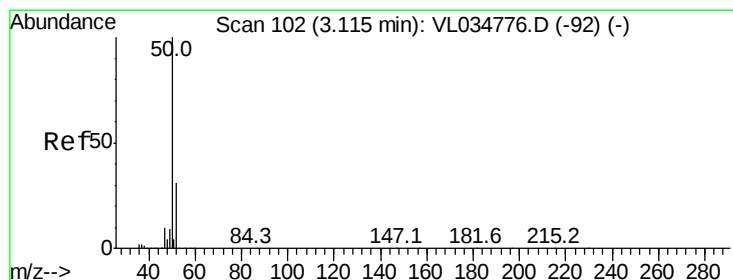
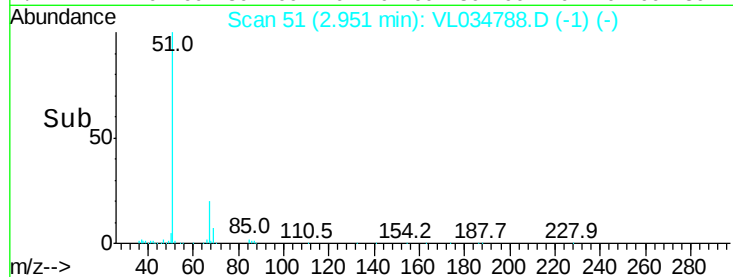
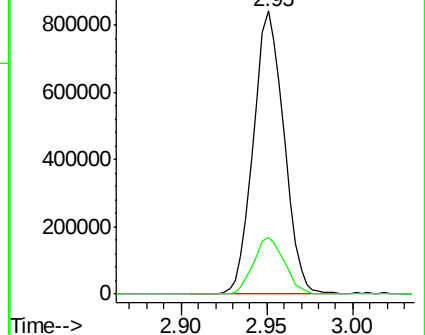
51 100

67 20.4 15.3 22.9



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.226 ppbv

RT: 3.11 min Scan# 99

Delta R.T. -0.01 min

Lab File: VL034788.D

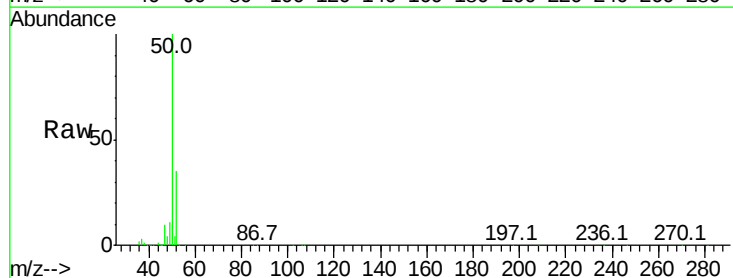
Acq: 4 Mar 2020 14:39

Tgt Ion: 50 Resp: 580882

Ion Ratio Lower Upper

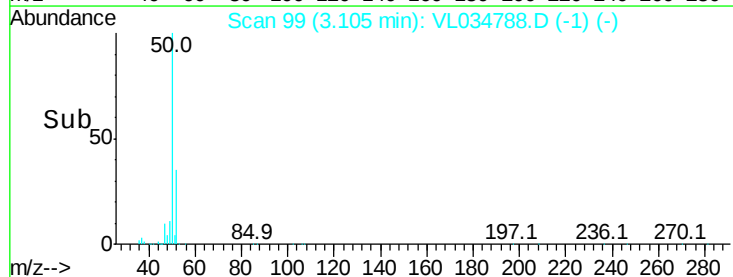
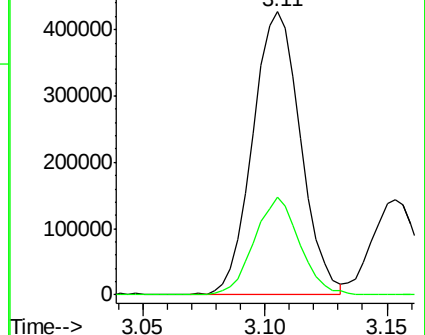
50 100

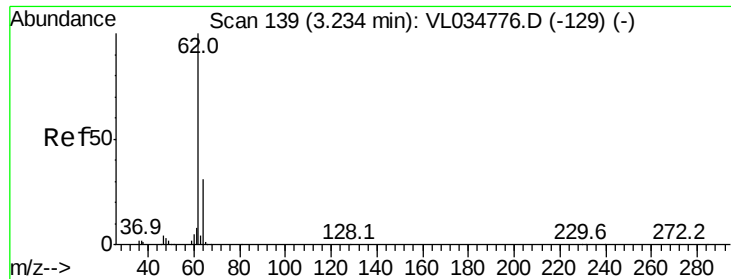
52 34.6 25.0 37.4



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.198 ppbv

RT: 3.22 min Scan# 136

Delta R.T. -0.01 min

Lab File: VL034788.D

Acq: 4 Mar 2020 14:39

Instrument :

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ClientSampleId :

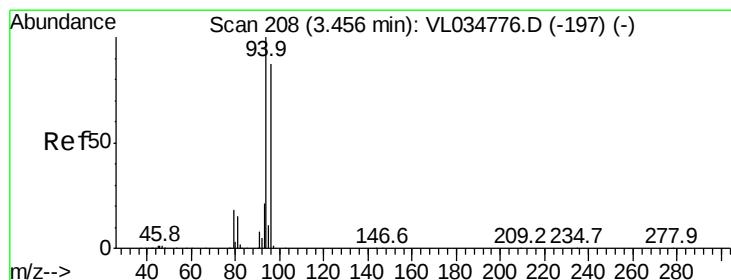
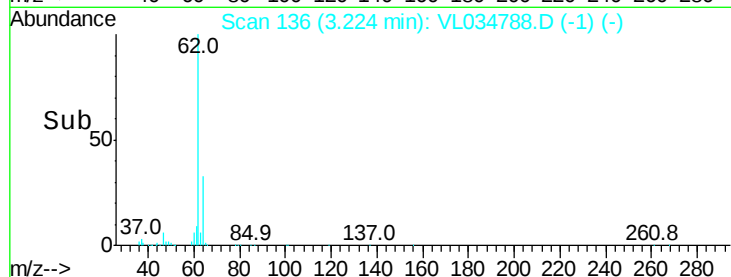
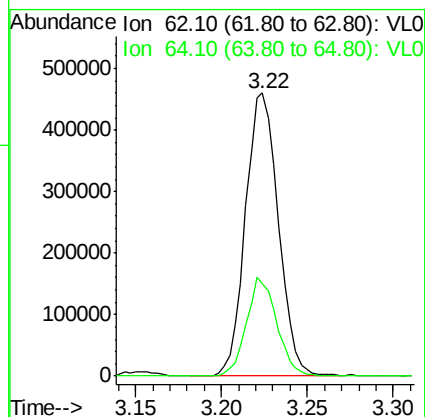
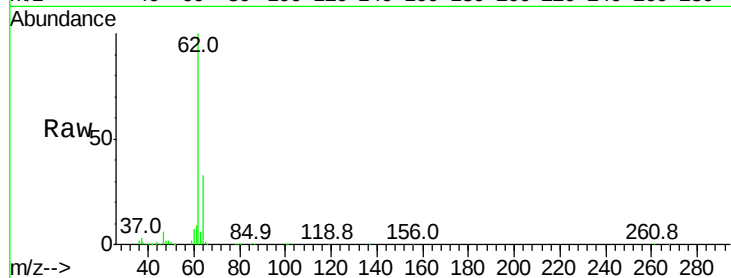
VSTDCCC010EC

Tgt Ion: 62 Resp: 611789

Ion Ratio Lower Upper

62 100

64 32.4 25.1 37.7



#6

Bromomethane

Concen: 9.616 ppbv

RT: 3.44 min Scan# 204

Delta R.T. -0.01 min

Lab File: VL034788.D

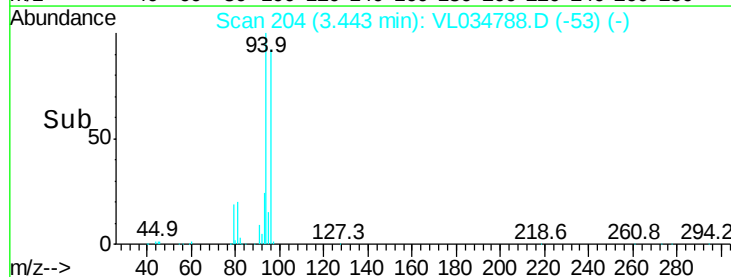
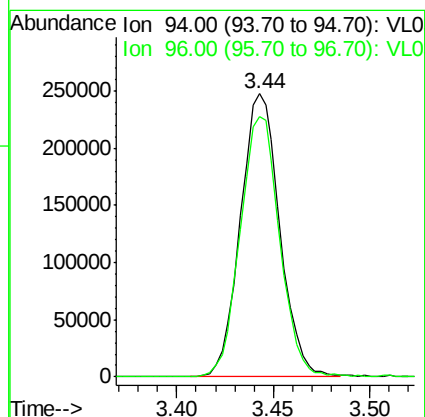
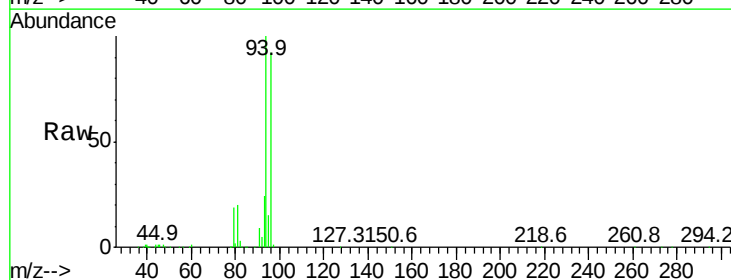
Acq: 4 Mar 2020 14:39

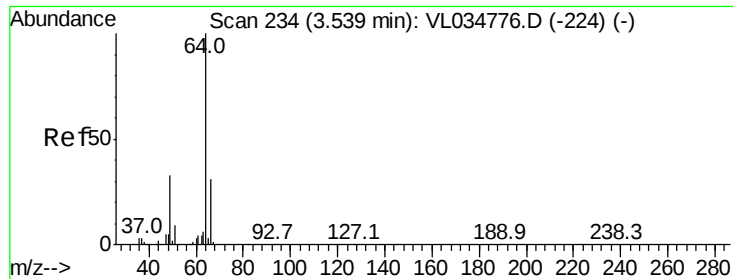
Tgt Ion: 94 Resp: 349098

Ion Ratio Lower Upper

94 100

96 91.9 70.0 105.0





#7

Chloroethane

Concen: 9.089 ppbv

RT: 3.53 min Scan# 231

Delta R.T. -0.01 min

Lab File: VL034788.D

Acq: 4 Mar 2020 14:39

Instrument :

MSVOA_L

ClientSampleId :

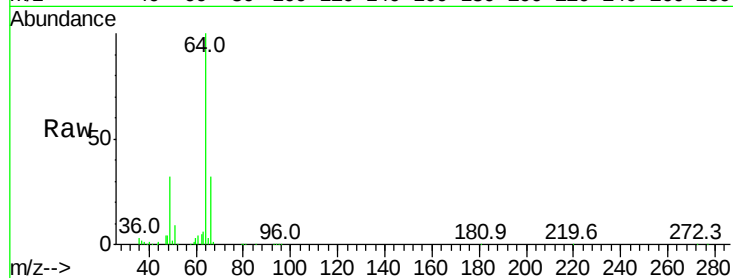
VSTDCCC010EC

Tgt Ion: 64 Resp: 209031

Ion Ratio Lower Upper

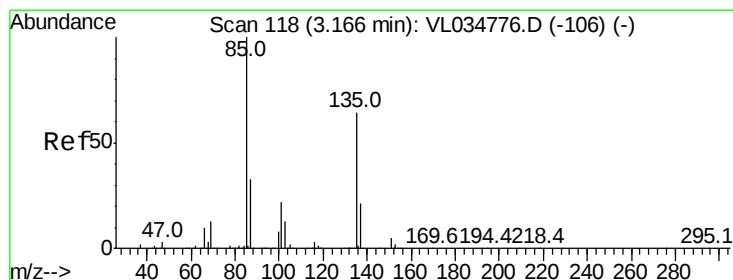
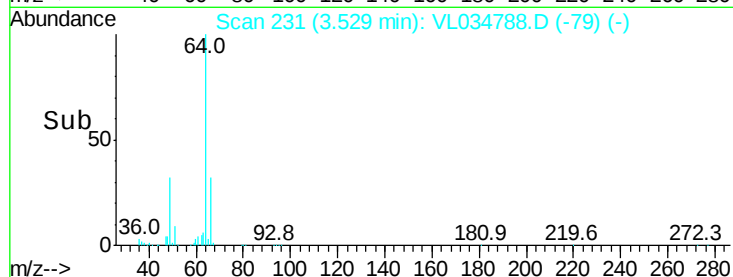
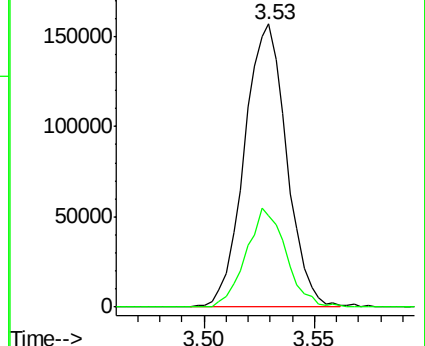
64 100

66 32.1 24.8 37.2



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 8.966 ppbv

RT: 3.15 min Scan# 114

Delta R.T. -0.01 min

Lab File: VL034788.D

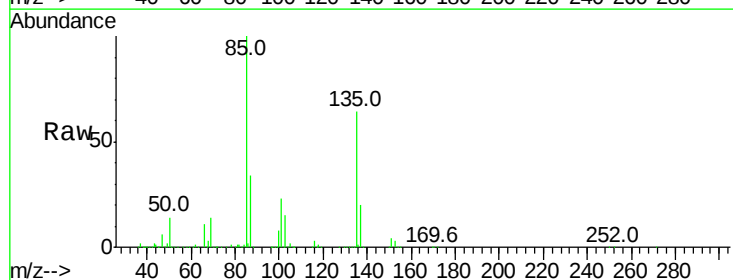
Acq: 4 Mar 2020 14:39

Tgt Ion: 85 Resp: 1304120

Ion Ratio Lower Upper

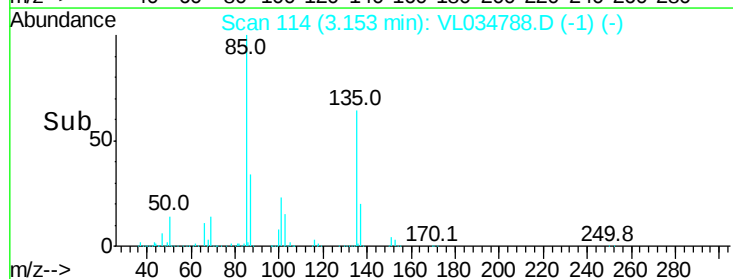
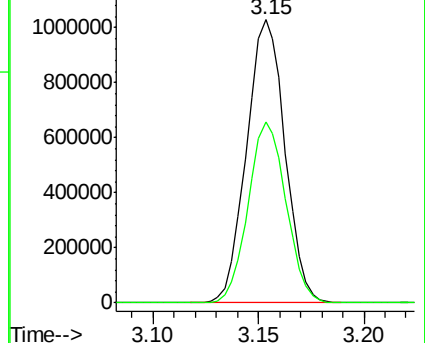
85 100

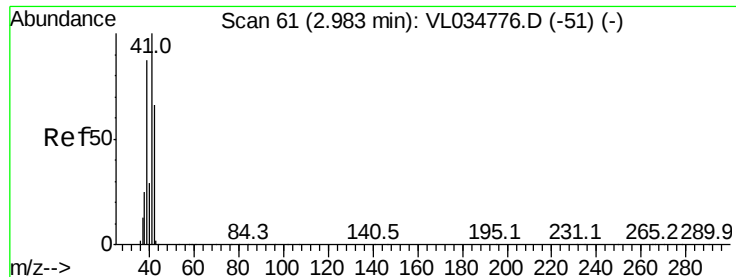
135 63.1 49.4 74.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 9.003 ppbv

RT: 2.97 min Scan# 58

Delta R.T. -0.01 min

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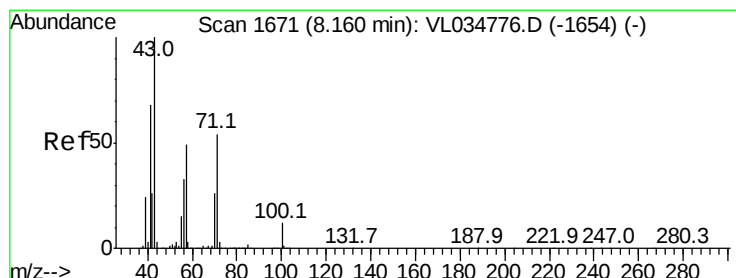
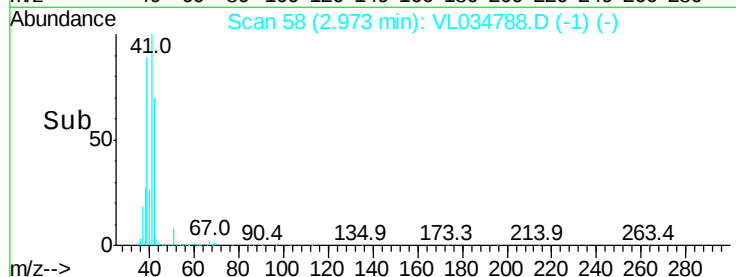
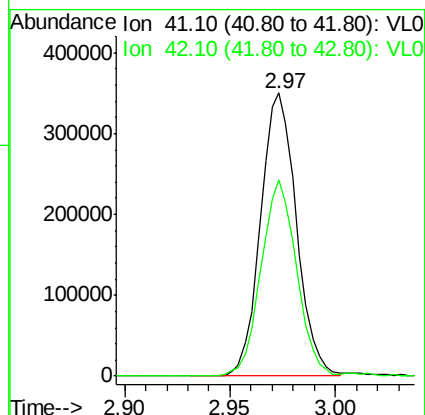
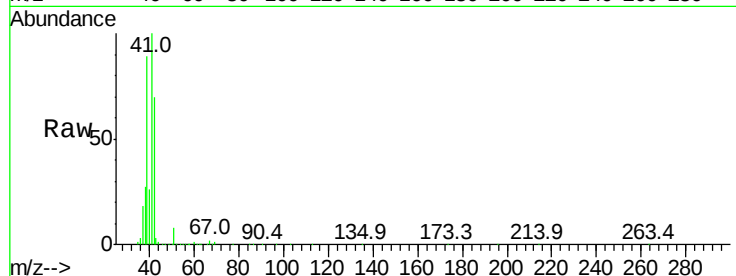
VSTDCCC010EC

Tgt Ion: 41 Resp: 414218

Ion Ratio Lower Upper

41 100

42 69.8 55.6 83.4



#10

Heptane

Concen: 11.121 ppbv

RT: 8.14 min Scan# 1666

Delta R.T. -0.02 min

Lab File: VL034788.D

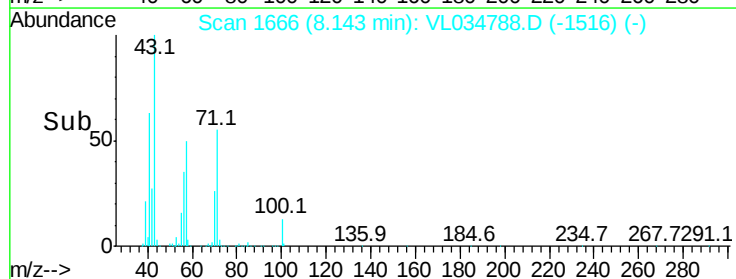
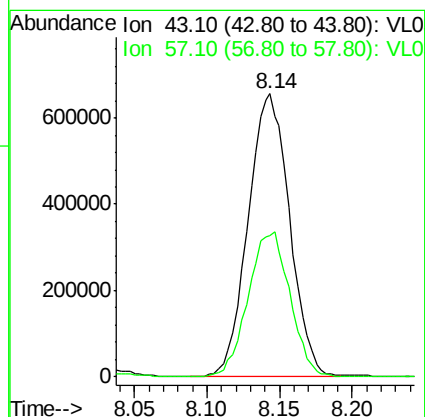
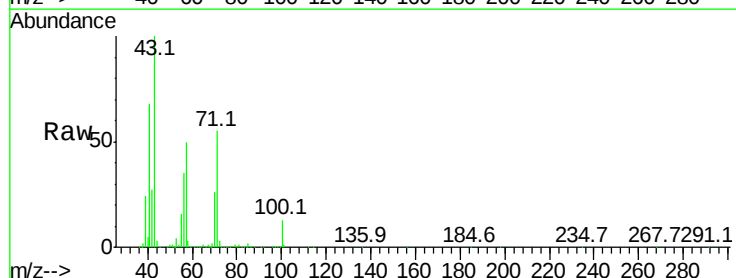
Acq: 4 Mar 2020 14:39

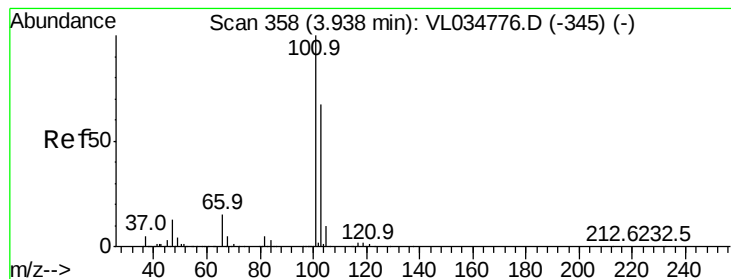
Tgt Ion: 43 Resp: 1300373

Ion Ratio Lower Upper

43 100

57 51.9 40.5 60.7





#11

Trichlorofluoromethane

Concen: 9.253 ppbv

RT: 3.93 min Scan# 355

Delta R.T. -0.01 min

Lab File: VL034788.D

Acq: 4 Mar 2020 14:39

Instrument :

MSVOA_L

ClientSampleId :

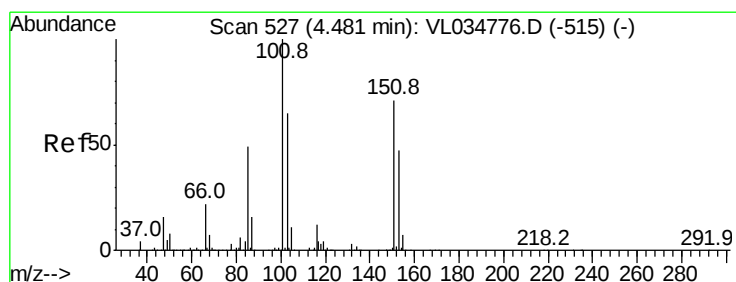
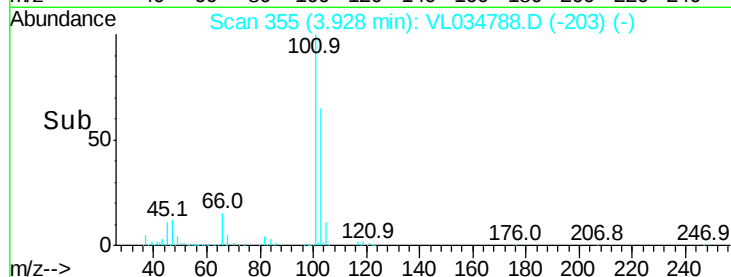
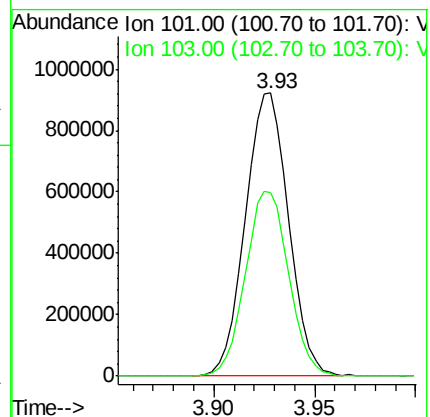
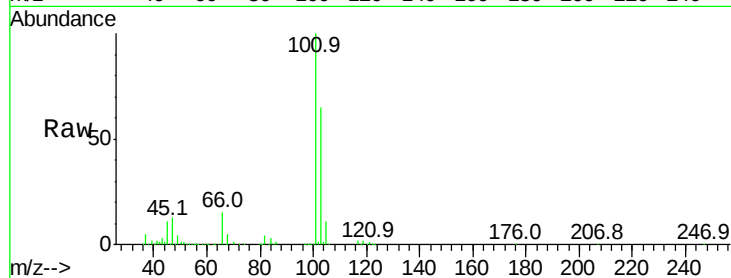
VSTDCCC010EC

Tgt Ion:101 Resp: 1386392

Ion Ratio Lower Upper

101 100

103 64.6 53.6 80.4



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.108 ppbv

RT: 4.47 min Scan# 523

Delta R.T. -0.01 min

Lab File: VL034788.D

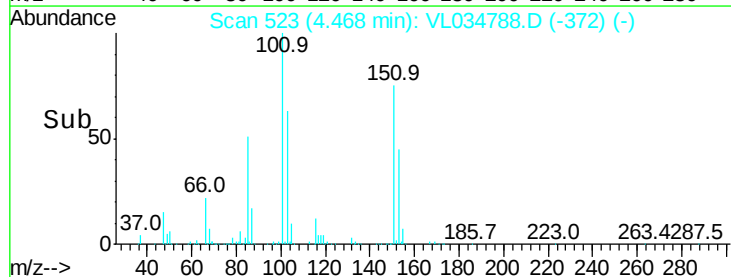
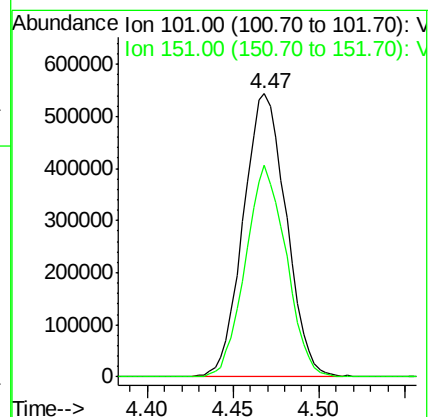
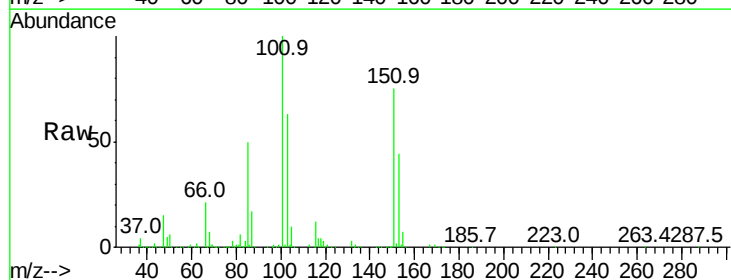
Acq: 4 Mar 2020 14:39

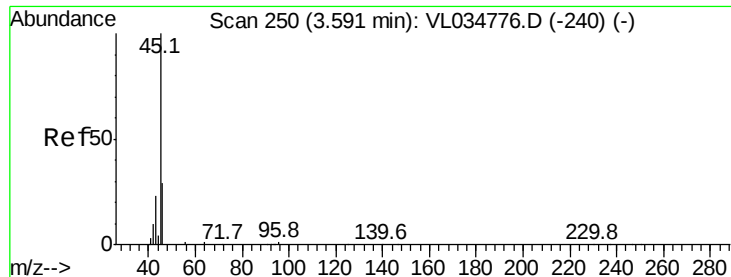
Tgt Ion:101 Resp: 941546

Ion Ratio Lower Upper

101 100

151 71.0 56.6 85.0





#13

Ethanol

Concen: 5.259 ppbv

RT: 3.58 min Scan# 247

Delta R.T. -0.01 min

Lab File: VL034788.D

Acq: 4 Mar 2020 14:39

Instrument :

MSVOA_L

ClientSampleId :

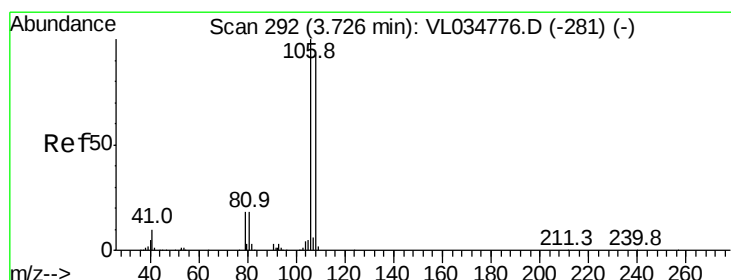
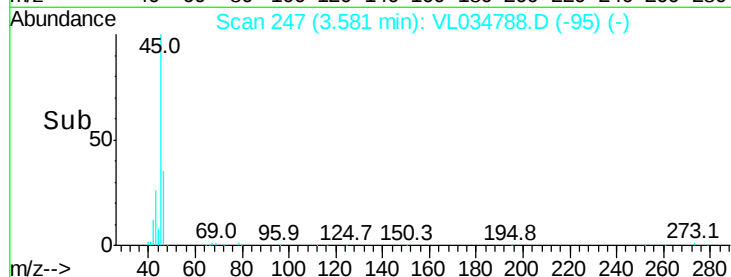
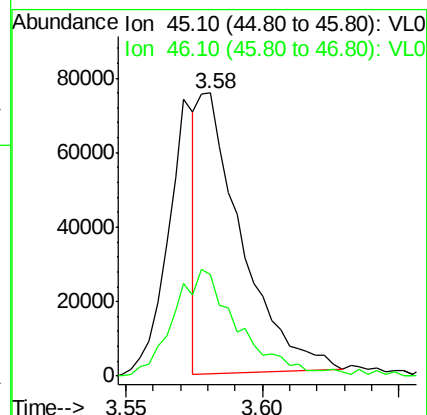
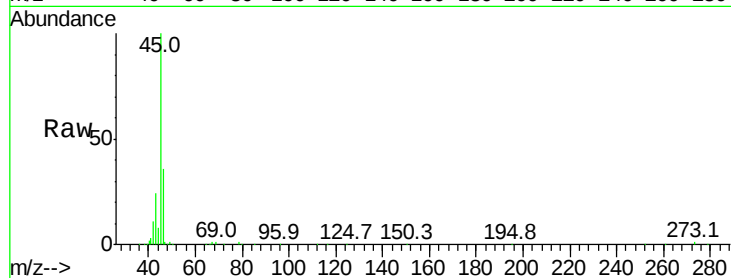
VSTDCCC010EC

Tgt Ion: 45 Resp: 82899

Ion Ratio Lower Upper

45 100

46 59.2 14.7 58.9#



#14

Bromoethene

Concen: 9.613 ppbv

RT: 3.71 min Scan# 288

Delta R.T. -0.01 min

Lab File: VL034788.D

Acq: 4 Mar 2020 14:39

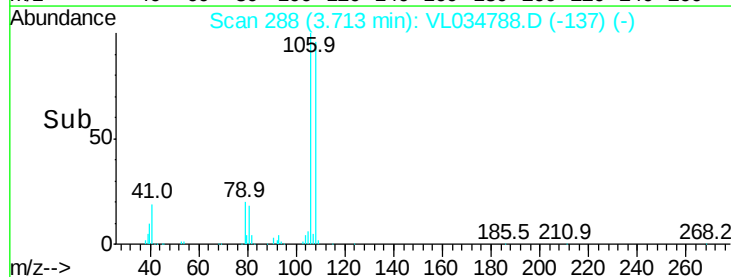
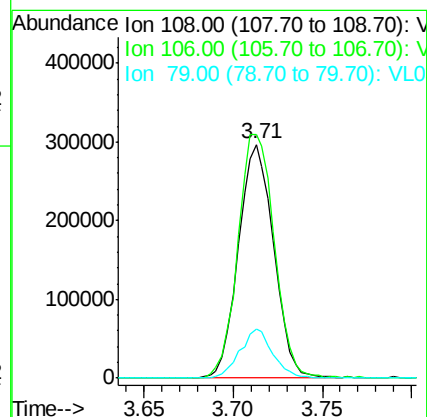
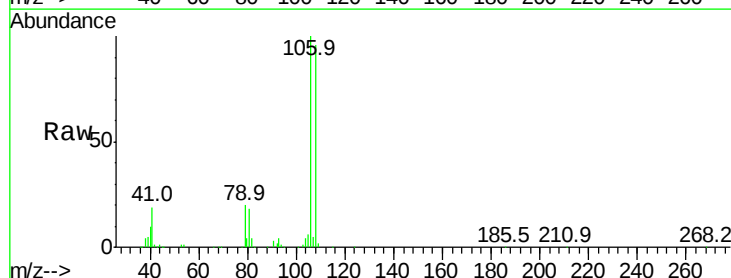
Tgt Ion: 108 Resp: 407757

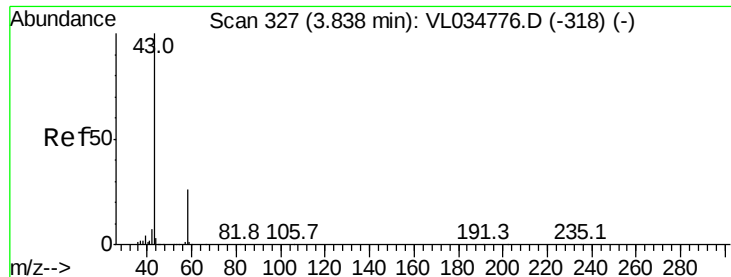
Ion Ratio Lower Upper

108 100

106 108.0 83.5 125.3

79 19.9 15.6 23.4





#15

Acetone

Concen: 12.333 ppbv

RT: 3.82 min Scan# 322

Delta R.T. -0.02 min

Lab File: VL034788.D

Acq: 4 Mar 2020 14:39

Instrument :

MSVOA_L

ClientSampleId :

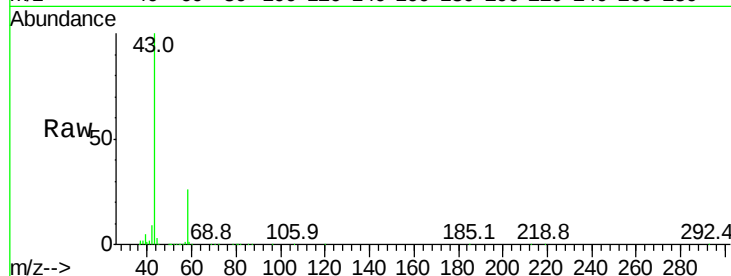
VSTDCCC010EC

Tgt Ion: 43 Resp: 1515285

Ion Ratio Lower Upper

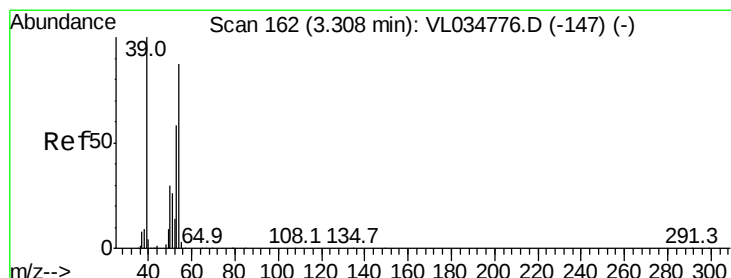
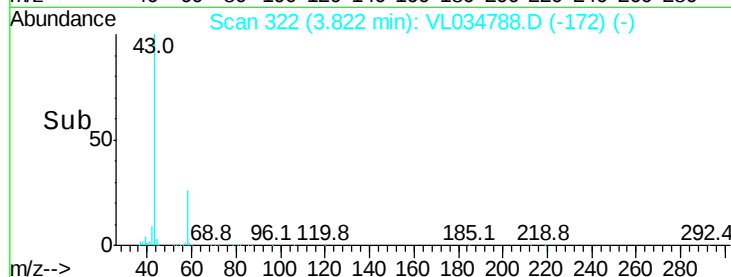
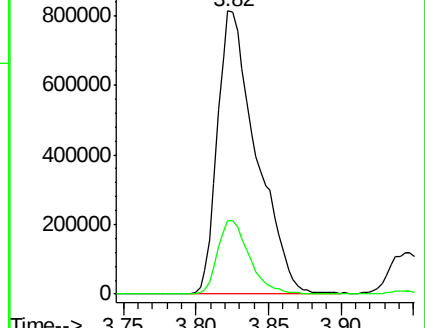
43 100

58 21.4 21.0 31.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 9.726 ppbv

RT: 3.29 min Scan# 158

Delta R.T. -0.01 min

Lab File: VL034788.D

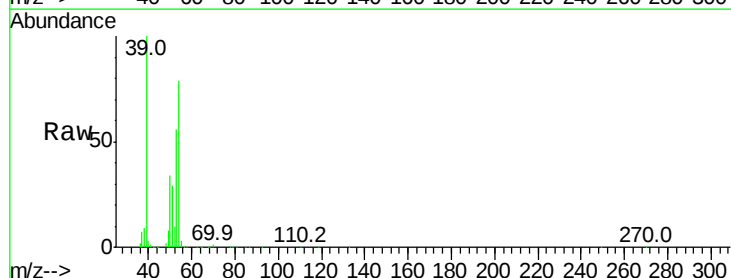
Acq: 4 Mar 2020 14:39

Tgt Ion: 39 Resp: 540671

Ion Ratio Lower Upper

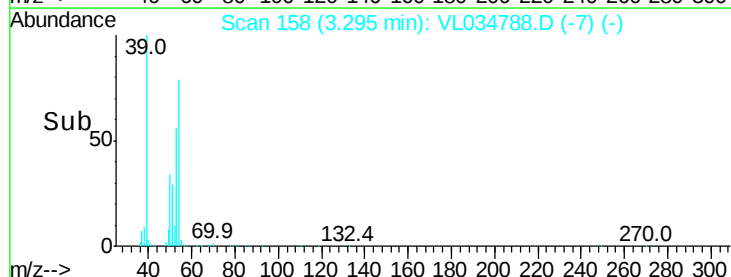
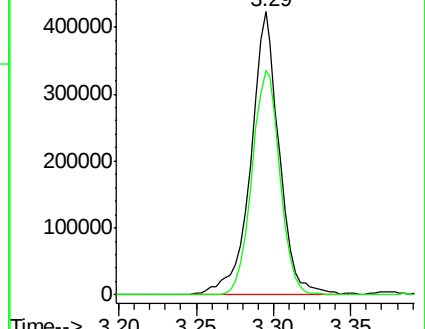
39 100

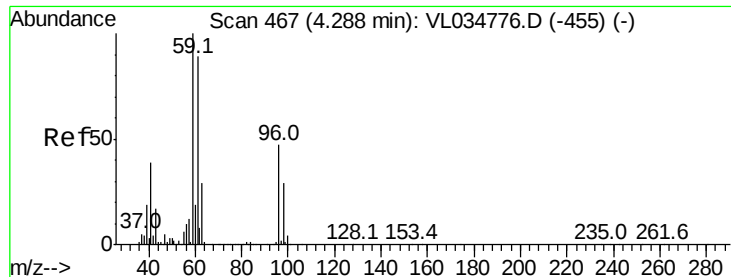
54 78.7 64.2 96.2



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

tert-Butyl alcohol

Concen: 10.305 ppbv

RT: 4.27 min Scan# 462

Delta R.T. -0.02 min

Lab File: VL034788.D

Acq: 4 Mar 2020 14:39

Instrument :

MSVOA_L

ClientSampleId :

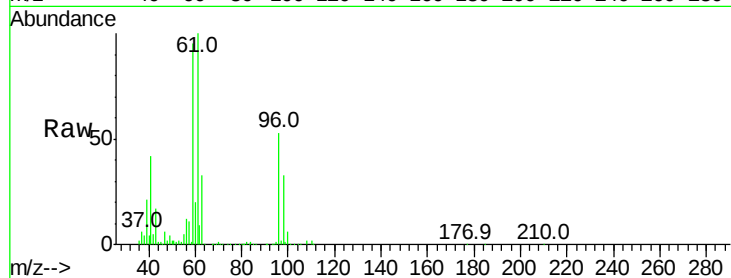
VSTDCCC010EC

Tgt Ion: 59 Resp: 998340

Ion Ratio Lower Upper

59 100

57 11.0 8.6 13.0



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.27

500000

400000

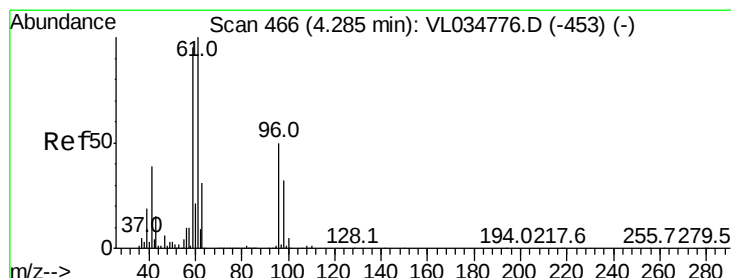
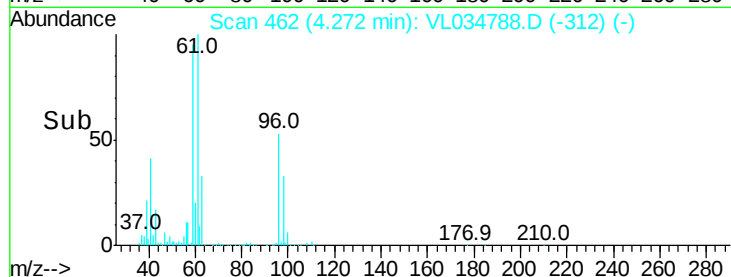
300000

200000

100000

0

Time--> 4.20 4.25 4.30 4.35



#18

1,1-Dichloroethene

Concen: 9.693 ppbv

RT: 4.27 min Scan# 462

Delta R.T. -0.01 min

Lab File: VL034788.D

Acq: 4 Mar 2020 14:39

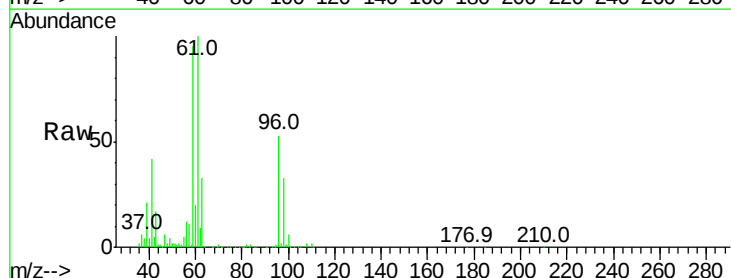
Tgt Ion: 96 Resp: 441947

Ion Ratio Lower Upper

96 100

61 189.1 159.5 239.3

98 62.6 51.1 76.7



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

800000

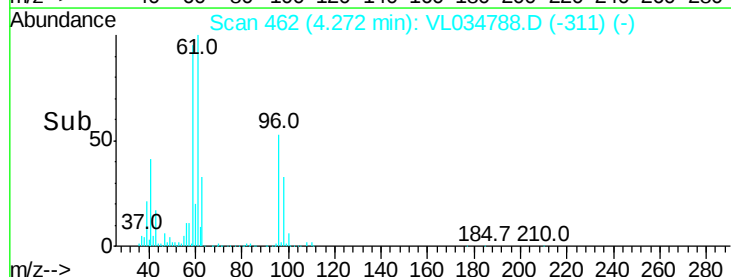
600000

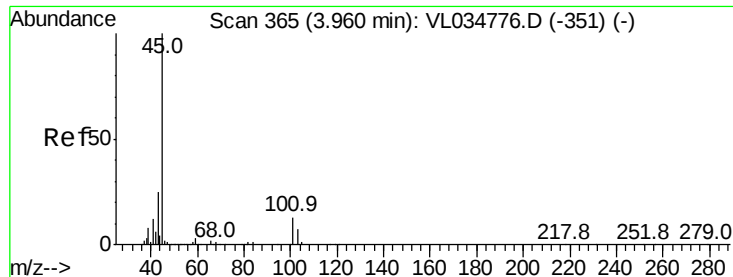
400000

200000

0

Time--> 4.20 4.25 4.30





#19

Isopropyl Alcohol

Concen: 10.873 ppbv

RT: 3.94 min Scan# 360

Delta R.T. -0.02 min

Lab File: VL034788.D

Acq: 4 Mar 2020 14:39

Instrument :

MSVOA_L

ClientSampleId :

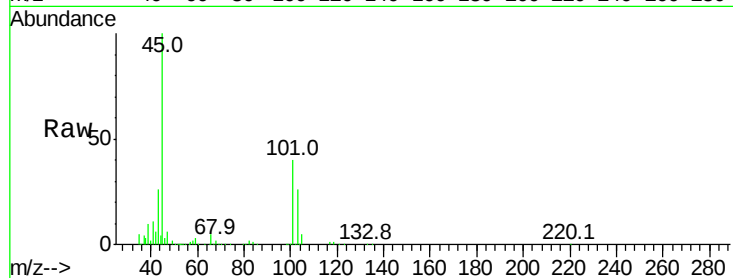
VSTDCCC010EC

Tgt Ion: 45 Resp: 800403

Ion Ratio Lower Upper

45 100

58 2.5 1.8 2.8



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.94

500000

400000

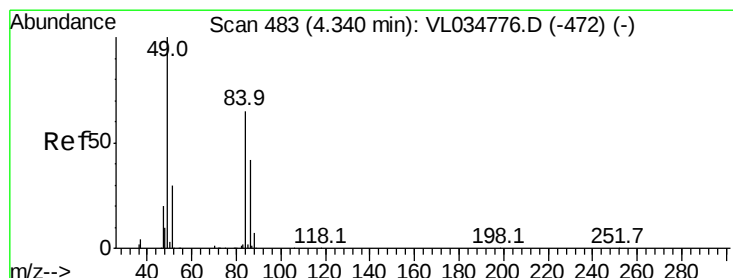
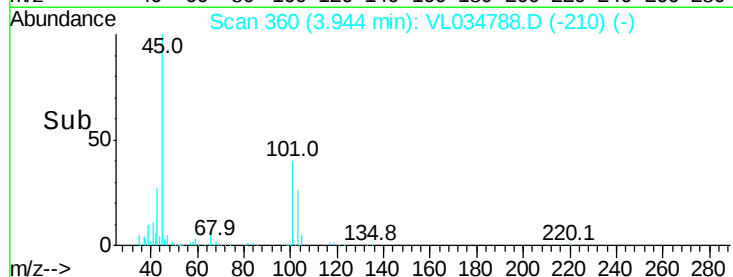
300000

200000

100000

0

Time-->



#20

Methylene Chloride

Concen: 8.798 ppbv

RT: 4.33 min Scan# 480

Delta R.T. -0.01 min

Lab File: VL034788.D

Acq: 4 Mar 2020 14:39

Tgt Ion: 84 Resp: 385784

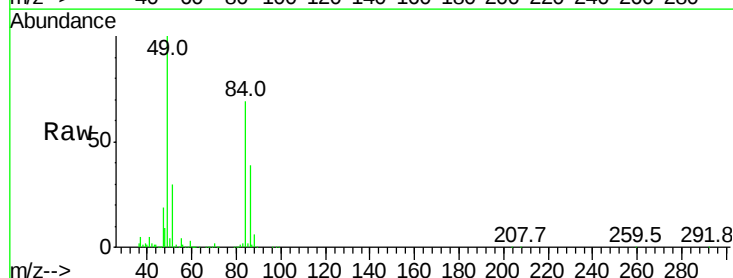
Ion Ratio Lower Upper

84 100

49 144.9 123.2 184.8

51 42.3 37.4 56.2

86 57.3 51.6 77.4



Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

600000

500000

400000

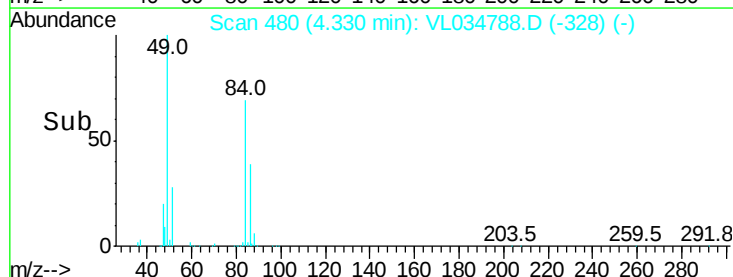
300000

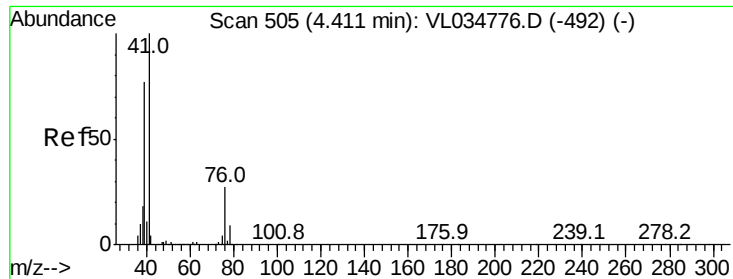
200000

100000

0

Time-->

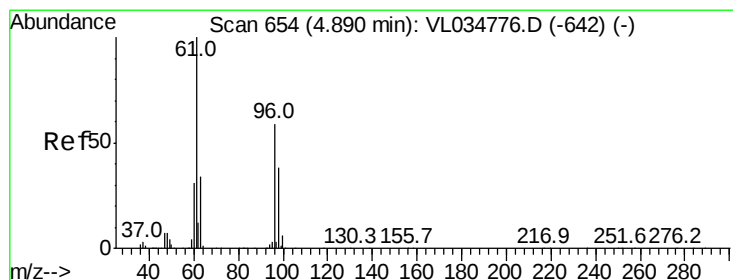
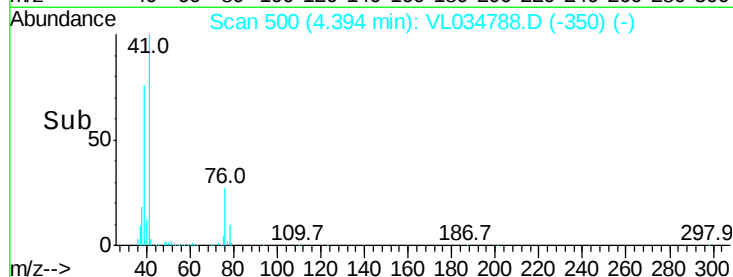
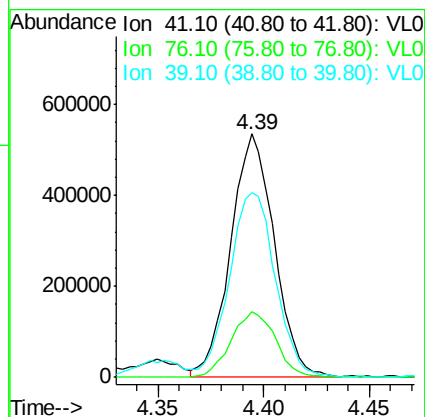
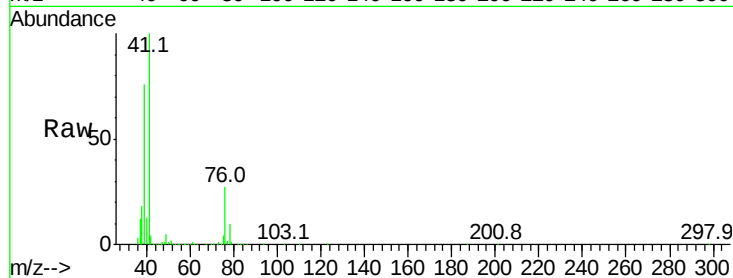




#21
 Allyl Chloride
 Concen: 9.775 ppbv
 RT: 4.39 min Scan# 500
 Delta R.T. -0.02 min
 Lab File: VL034788.D
 Acq: 4 Mar 2020 14:39

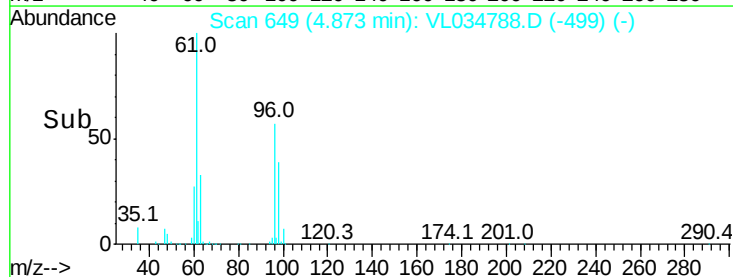
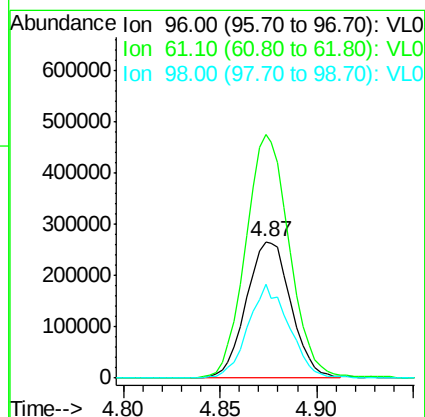
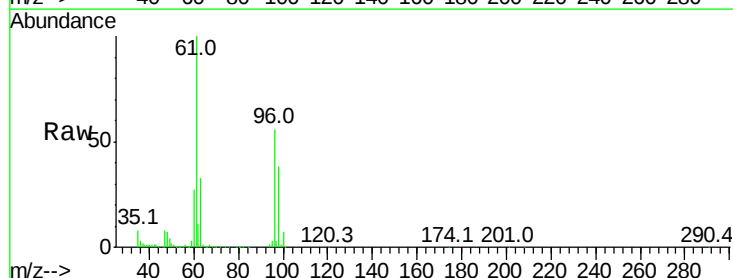
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

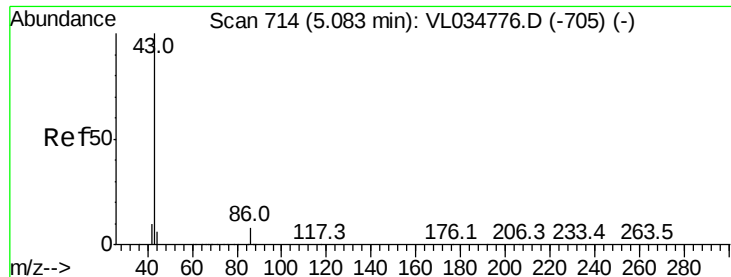
Tgt Ion: 41 Resp: 760528
 Ion Ratio Lower Upper
 41 100
 76 27.9 22.5 33.7
 39 86.7 65.0 97.6



#22
 trans-1,2-Dichloroethene
 Concen: 9.609 ppbv
 RT: 4.87 min Scan# 649
 Delta R.T. -0.02 min
 Lab File: VL034788.D
 Acq: 4 Mar 2020 14:39

Tgt Ion: 96 Resp: 427687
 Ion Ratio Lower Upper
 96 100
 61 178.2 135.2 202.8
 98 68.4 50.8 76.2





#23

Vinyl Acetate

Concen: 12.699 ppbv

RT: 5.07 min Scan# 709

Delta R.T. -0.02 min

Lab File: VL034788.D

Acq: 4 Mar 2020 14:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 43 Resp: 2092276

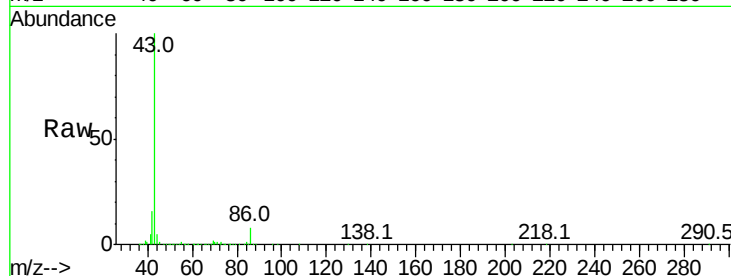
Ion Ratio Lower Upper

43 100

86 9.3 5.9 8.9#

42 7.4 8.2 12.2#

44 5.8 4.5 6.7

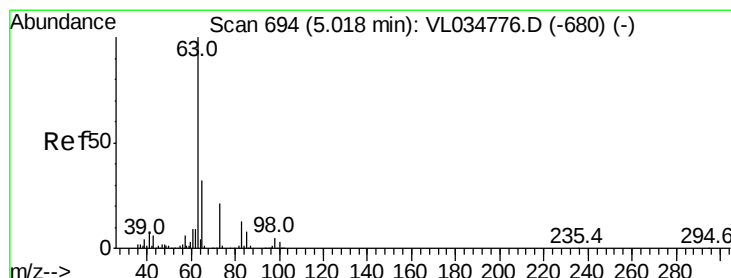
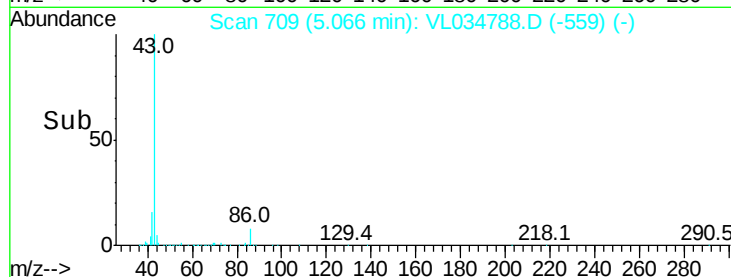
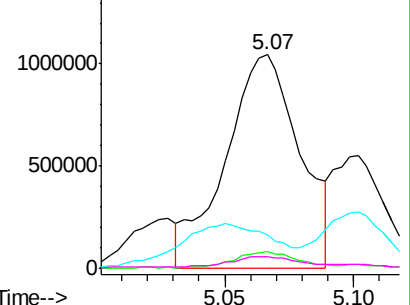


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.240 ppbv

RT: 5.01 min Scan# 690

Delta R.T. -0.01 min

Lab File: VL034788.D

Acq: 4 Mar 2020 14:39

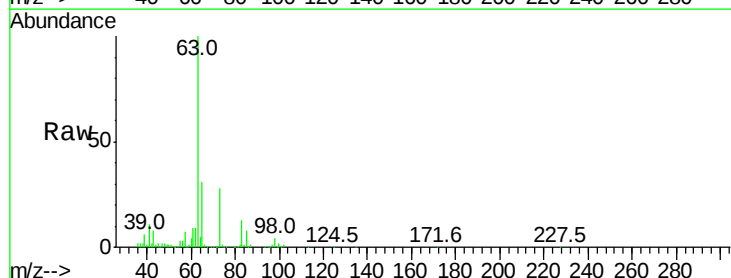
Tgt Ion: 63 Resp: 1181602

Ion Ratio Lower Upper

63 100

98 3.7 2.3 6.8

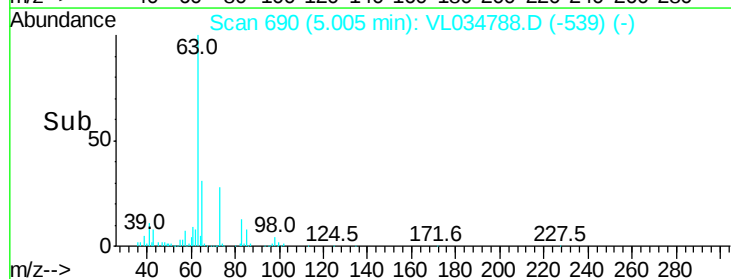
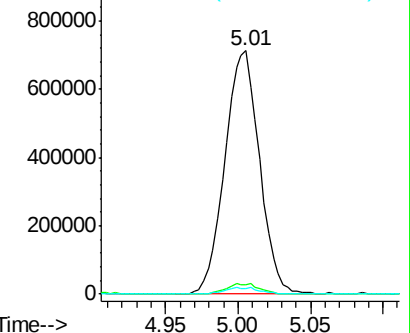
100 2.2 1.5 4.4

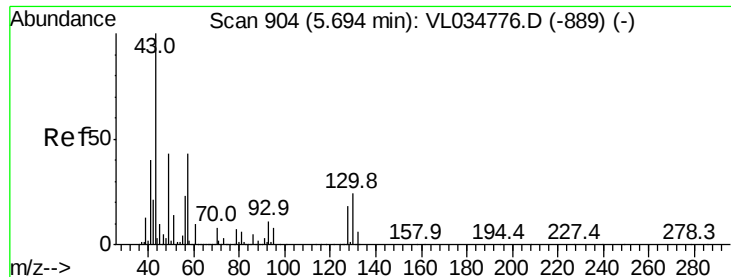


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 11.132 ppbv

RT: 5.68 min Scan# 899

Delta R.T. -0.02 min

Lab File: VL034788.D

Acq: 4 Mar 2020 14:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 43 Resp: 2363552

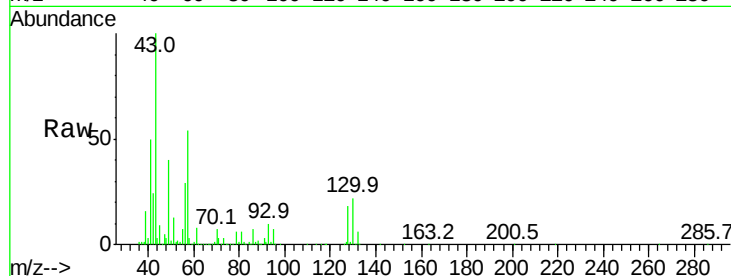
Ion Ratio Lower Upper

43 100

45 8.7 8.2 12.4

61 8.2 7.5 11.3

70 6.5 6.0 9.0

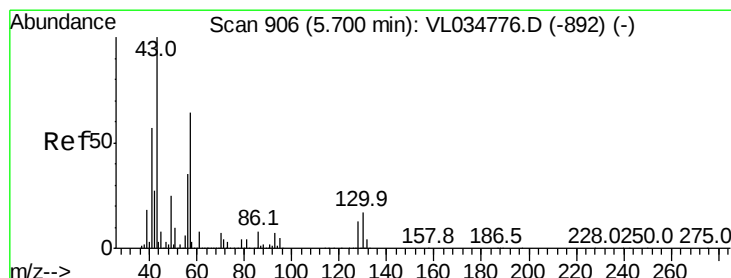
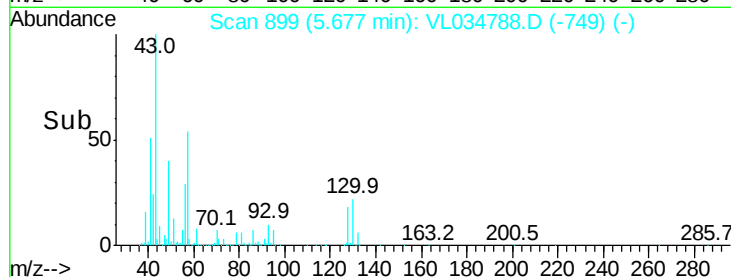
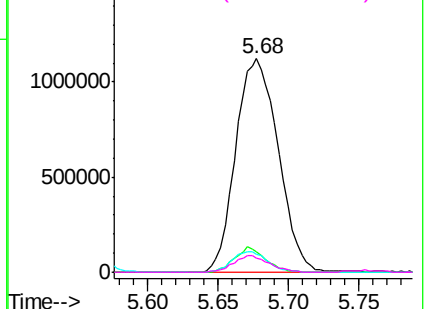


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 15.244 ppbv

RT: 5.69 min Scan# 902

Delta R.T. -0.01 min

Lab File: VL034788.D

Acq: 4 Mar 2020 14:39

Tgt Ion: 57 Resp: 1413889

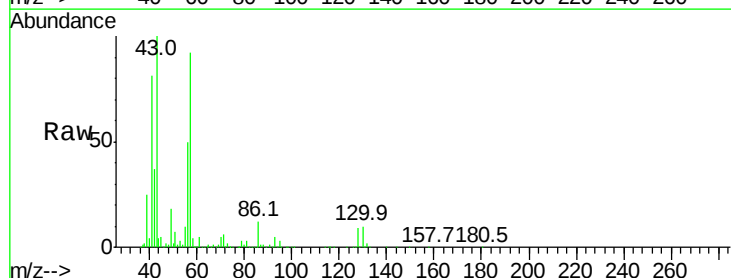
Ion Ratio Lower Upper

57 100

41 92.3 72.0 108.0

43 167.8 179.1 268.7#

56 53.7 42.6 63.8

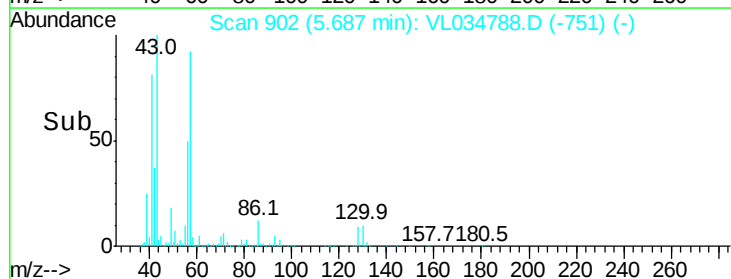
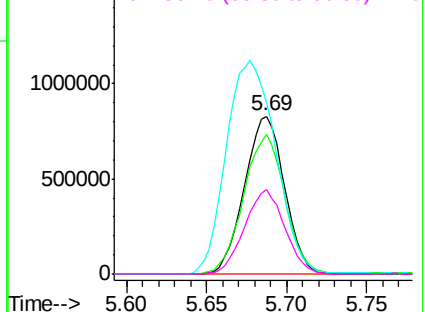


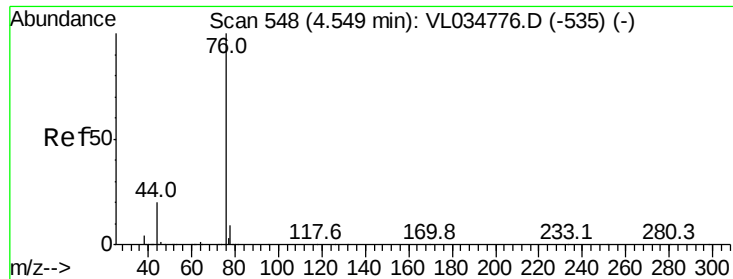
Abundance Ion 57.10 (56.80 to 57.80): VL0

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: 10.419 ppbv

RT: 4.53 min Scan# 543

Delta R.T. -0.02 min

Lab File: VL034788.D

Acq: 4 Mar 2020 14:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

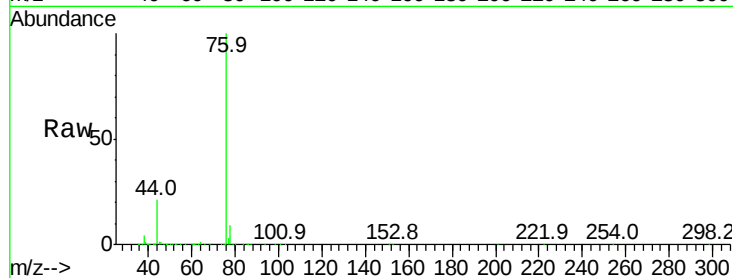
Tgt Ion: 76 Resp: 1128931

Ion Ratio Lower Upper

76 100

44 20.6 16.1 24.1

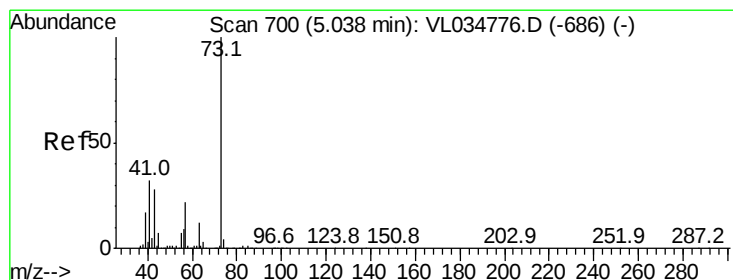
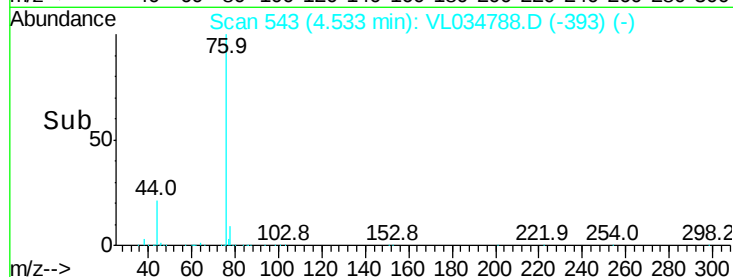
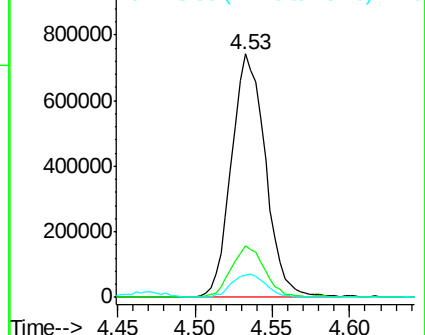
78 9.8 7.5 11.3



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: 9.313 ppbv

RT: 5.02 min Scan# 696

Delta R.T. -0.01 min

Lab File: VL034788.D

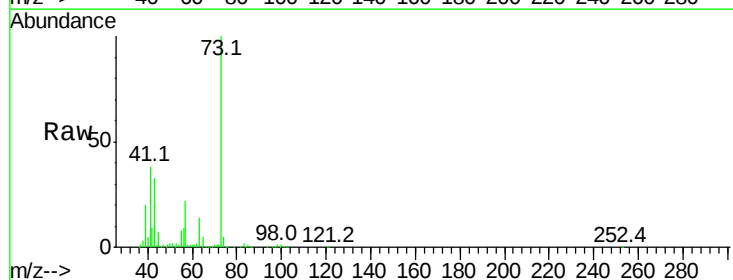
Acq: 4 Mar 2020 14:39

Tgt Ion: 73 Resp: 1285718

Ion Ratio Lower Upper

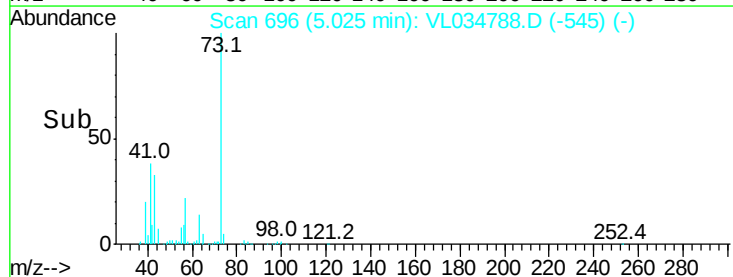
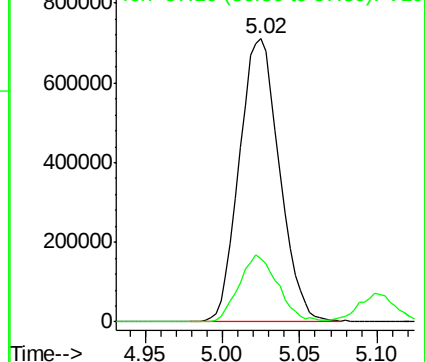
73 100

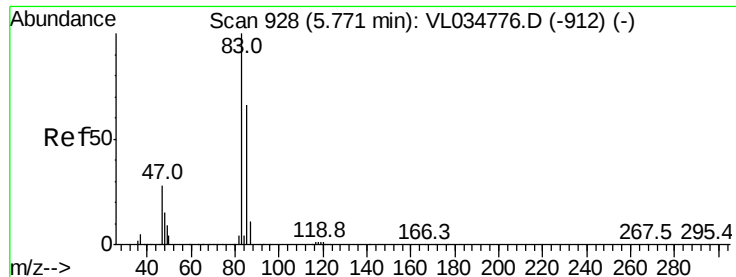
57 23.0 18.5 27.7



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 9.257 ppbv

RT: 5.75 min Scan# 923

Delta R.T. -0.02 min

Lab File: VL034788.D

Acq: 4 Mar 2020 14:39

Instrument :

MSVOA_L

ClientSampleId :

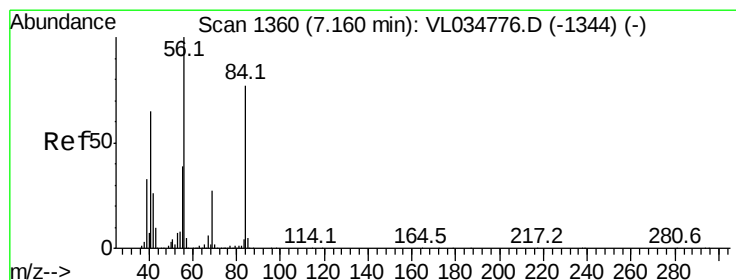
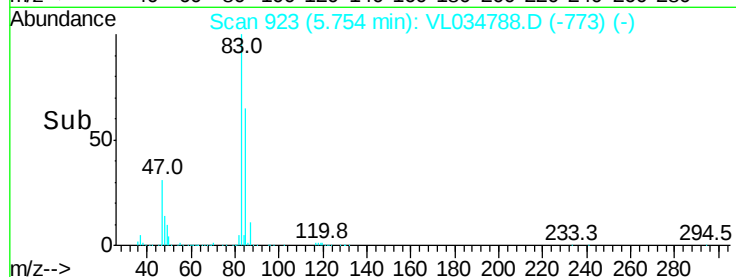
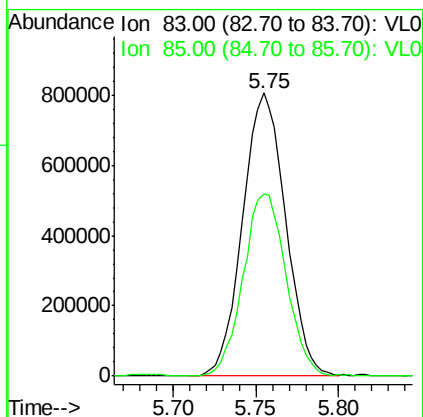
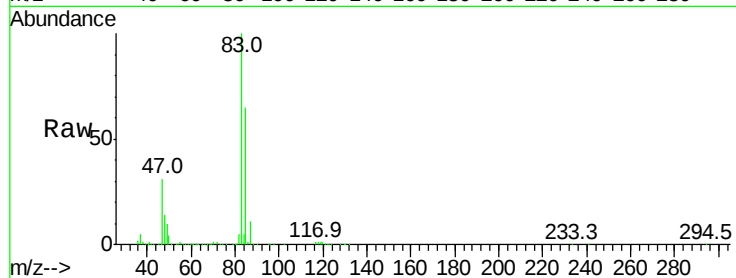
VSTDCCC010EC

Tgt Ion: 83 Resp: 1445278

Ion Ratio Lower Upper

83 100

85 64.5 53.0 79.4



#30

Cyclohexane

Concen: 11.831 ppbv

RT: 7.14 min Scan# 1354

Delta R.T. -0.02 min

Lab File: VL034788.D

Acq: 4 Mar 2020 14:39

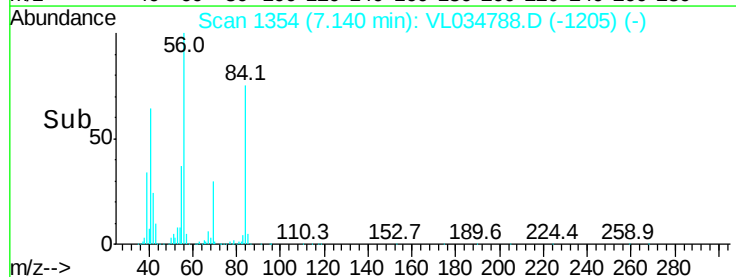
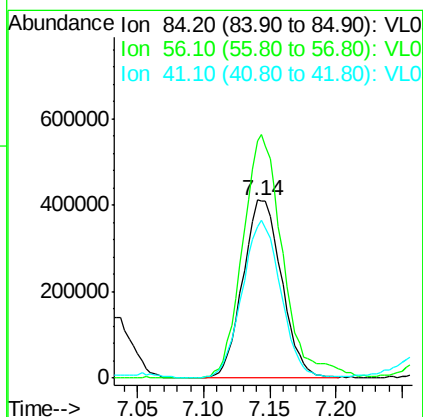
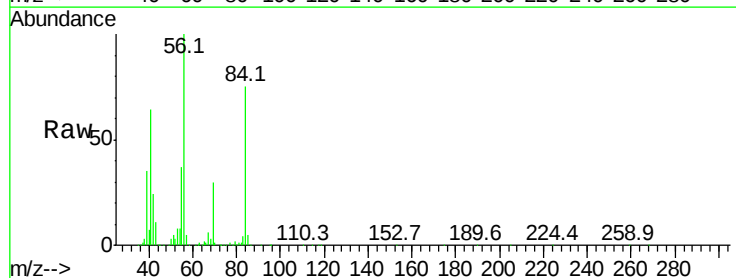
Tgt Ion: 84 Resp: 839503

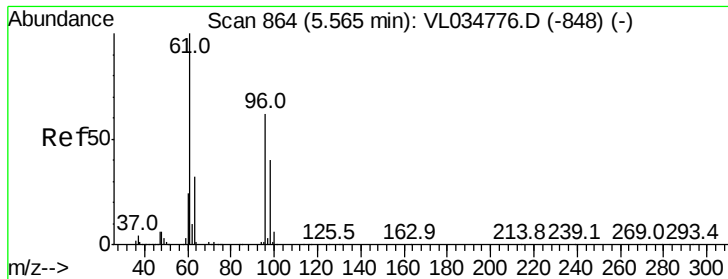
Ion Ratio Lower Upper

84 100

56 141.1 113.2 169.8

41 87.5 70.2 105.4



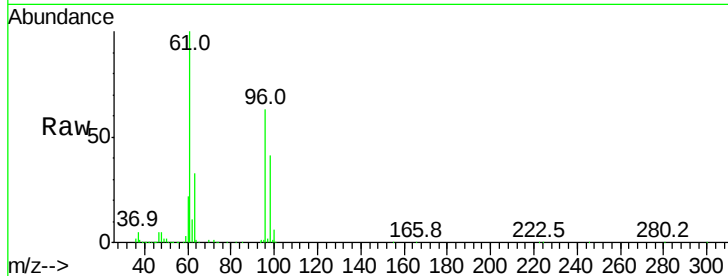


#31

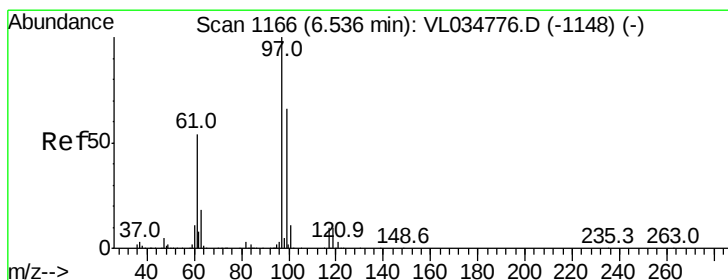
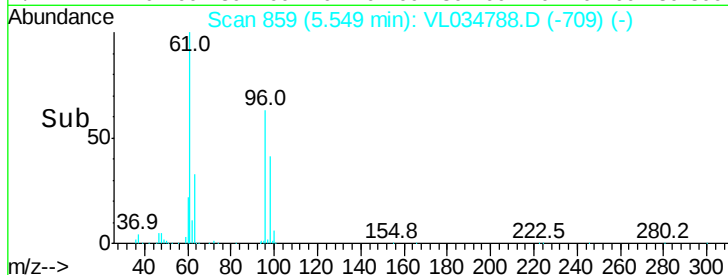
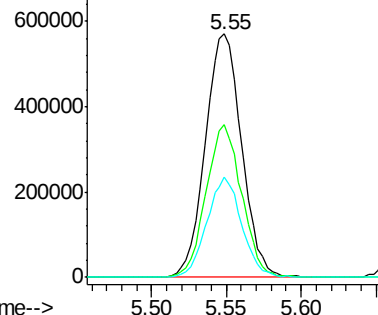
cis-1,2-Dichloroethene
Concen: 10.125 ppbv
RT: 5.55 min Scan# 859
Delta R.T. -0.02 min
Lab File: VL034788.D
Acq: 4 Mar 2020 14:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 61 Resp: 963204
Ion Ratio Lower Upper
61 100
96 62.7 49.7 74.5
98 41.0 31.9 47.9



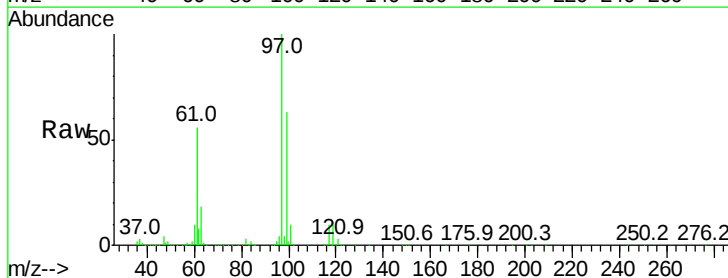
Abundance Ion 61.10 (60.80 to 61.80): VL0
Ion 96.00 (95.70 to 96.70): VL0
Ion 98.00 (97.70 to 98.70): VL0



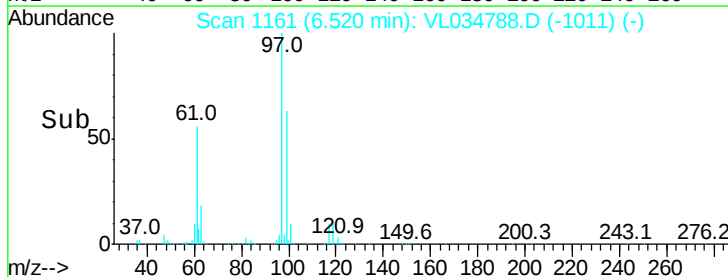
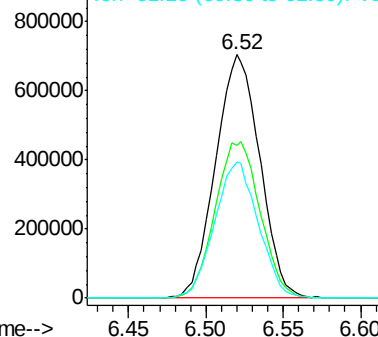
#32

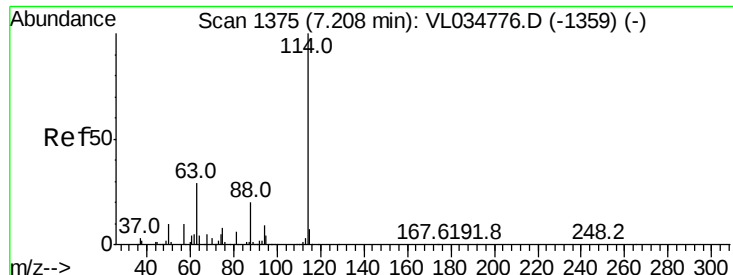
1,1,1-Trichloroethane
Concen: 9.077 ppbv
RT: 6.52 min Scan# 1161
Delta R.T. -0.02 min
Lab File: VL034788.D
Acq: 4 Mar 2020 14:39

Tgt Ion: 97 Resp: 1400498
Ion Ratio Lower Upper
97 100
99 65.7 51.7 77.5
61 55.6 43.4 65.0



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

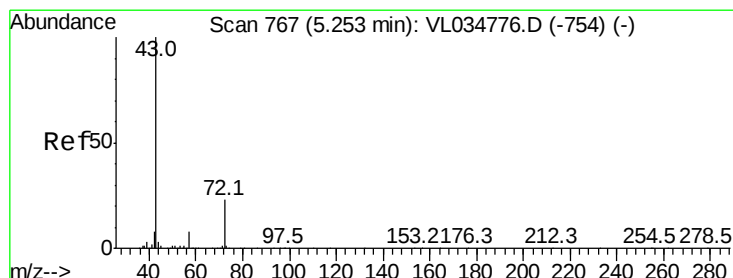
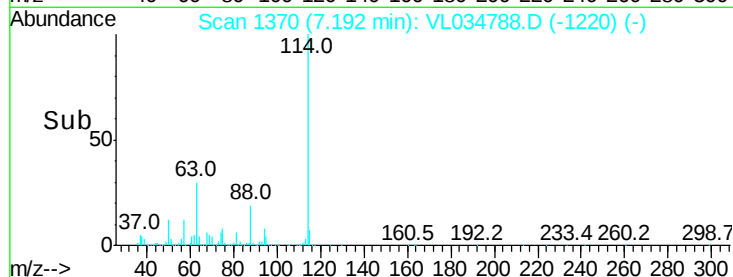
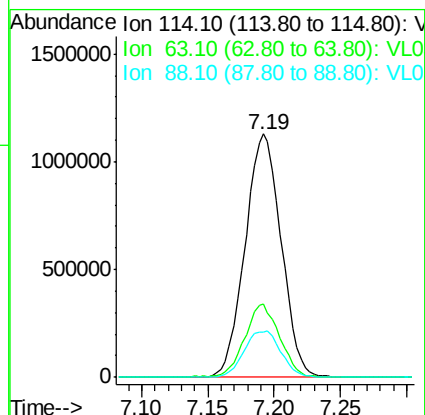
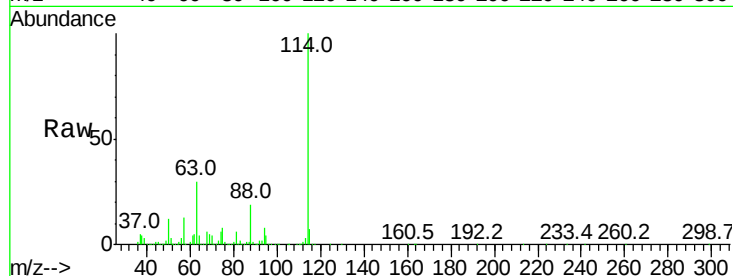




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1370
 Delta R.T. -0.02 min
 Lab File: VL034788.D
 Acq: 4 Mar 2020 14:39

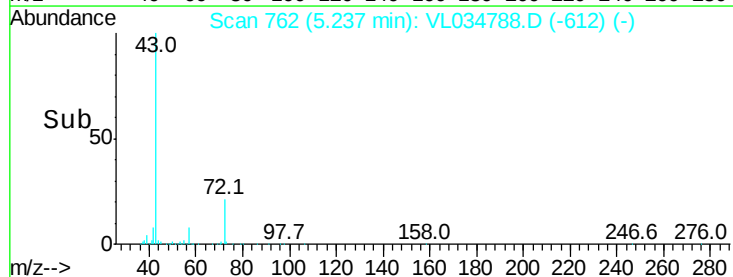
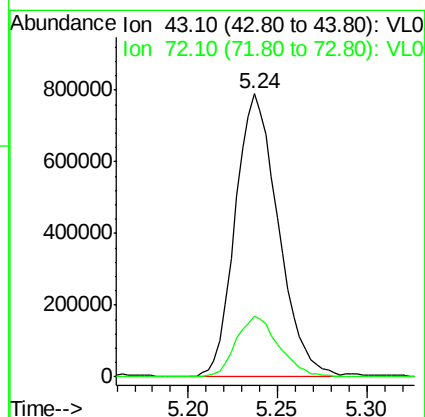
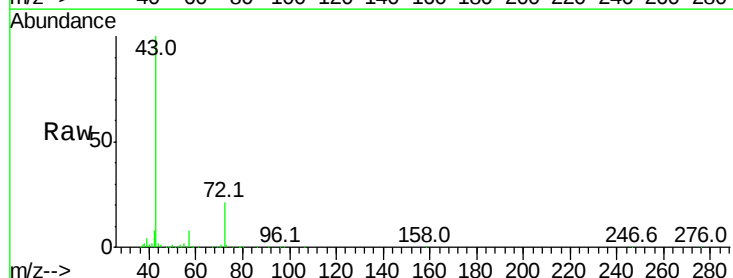
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

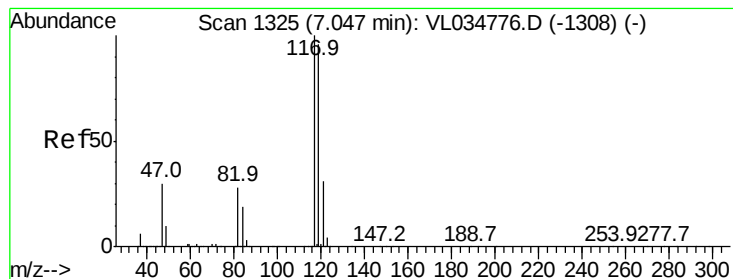
Tgt Ion:114 Resp: 2139265
 Ion Ratio Lower Upper
 114 100
 63 29.6 23.6 35.4
 88 19.6 15.8 23.8



#34
 2-Butanone
 Concen: 9.463 ppbv
 RT: 5.24 min Scan# 762
 Delta R.T. -0.02 min
 Lab File: VL034788.D
 Acq: 4 Mar 2020 14:39

Tgt Ion: 43 Resp: 1317003
 Ion Ratio Lower Upper
 43 100
 72 21.5 17.5 26.3





#35

Carbon Tetrachloride

Concen: 9.201 ppbv

RT: 7.03 min Scan# 1321

Delta R.T. -0.01 min

Lab File: VL034788.D

Acq: 4 Mar 2020 14:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

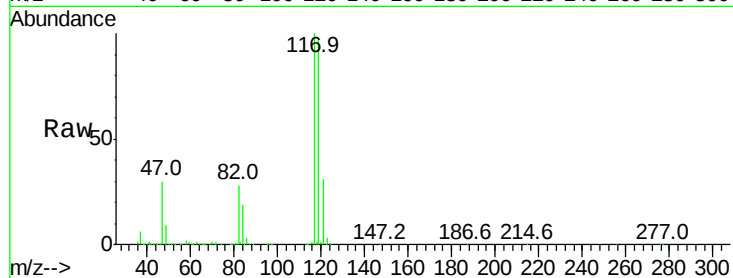
Tgt Ion:117 Resp: 1485186

Ion Ratio Lower Upper

117 100

119 96.6 76.8 115.2

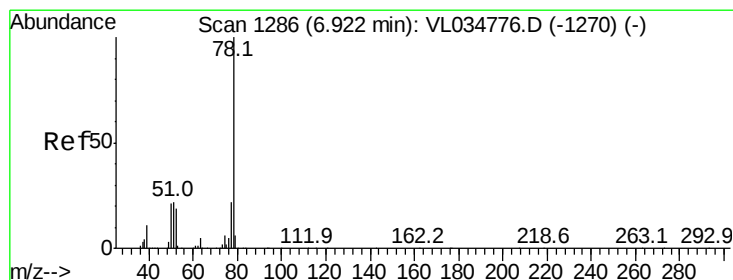
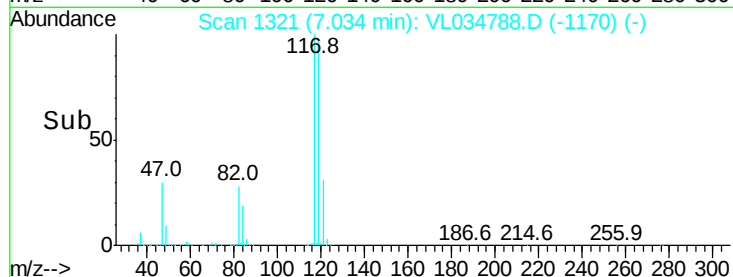
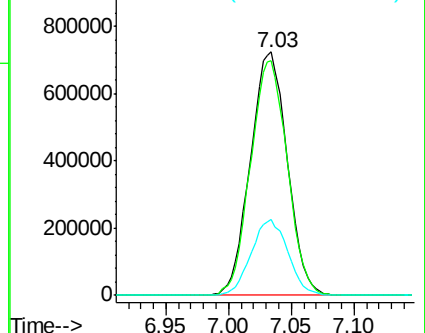
121 31.3 24.6 37.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 10.791 ppbv

RT: 6.91 min Scan# 1281

Delta R.T. -0.02 min

Lab File: VL034788.D

Acq: 4 Mar 2020 14:39

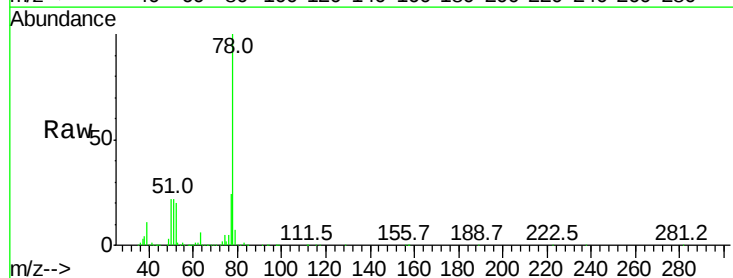
Tgt Ion: 78 Resp: 1972605

Ion Ratio Lower Upper

78 100

77 24.1 18.0 27.0

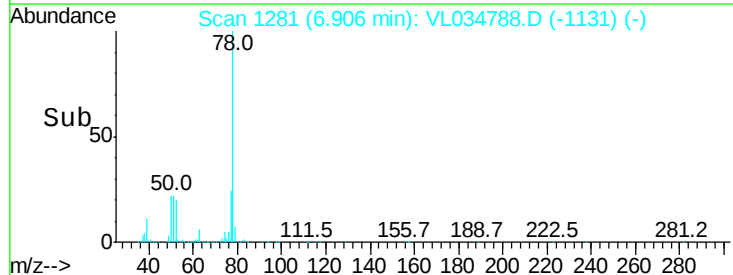
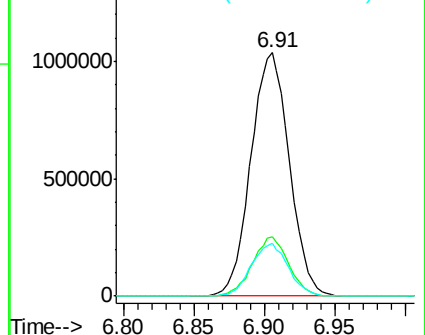
50 21.5 16.9 25.3

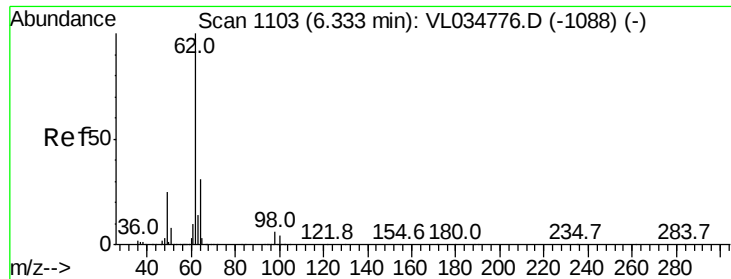


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

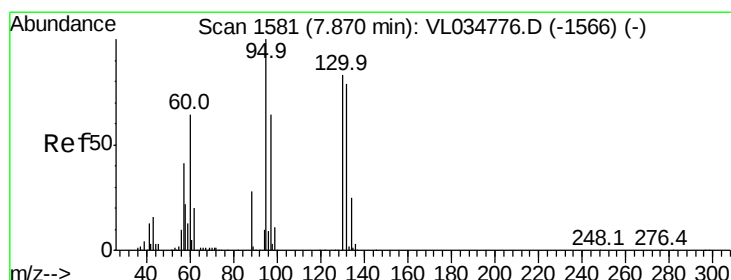
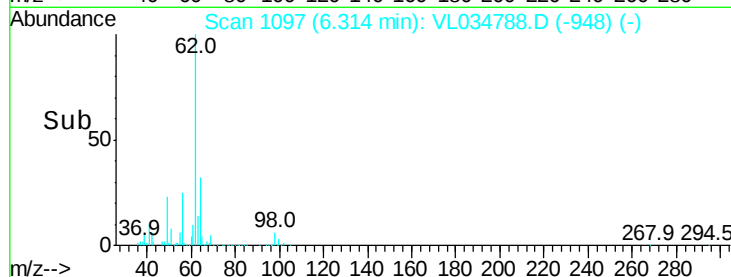
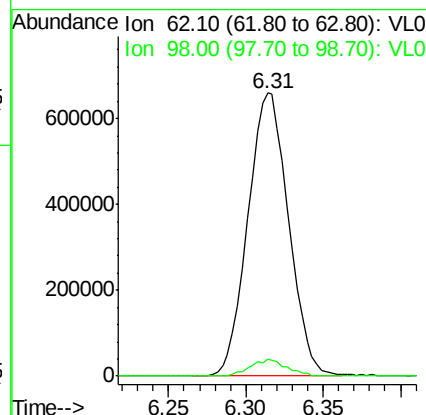
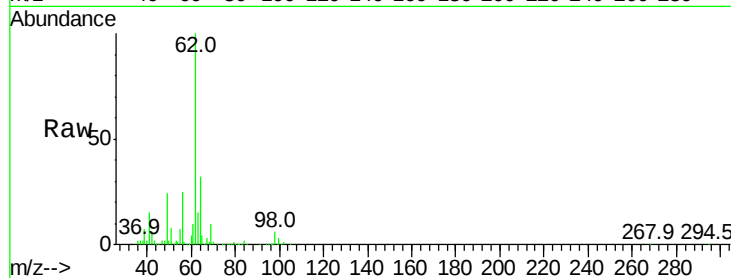




#37
 1,2-Dichloroethane
 Concen: 9.664 ppbv
 RT: 6.31 min Scan# 1097
 Delta R.T. -0.02 min
 Lab File: VL034788.D
 Acq: 4 Mar 2020 14:39

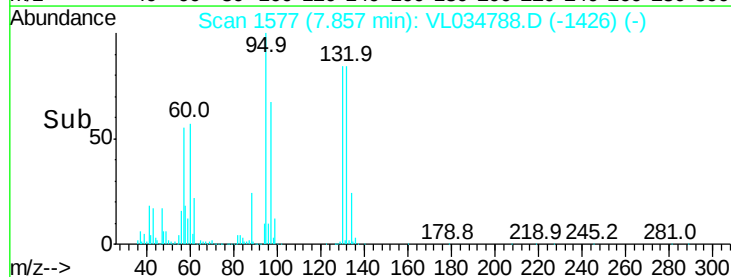
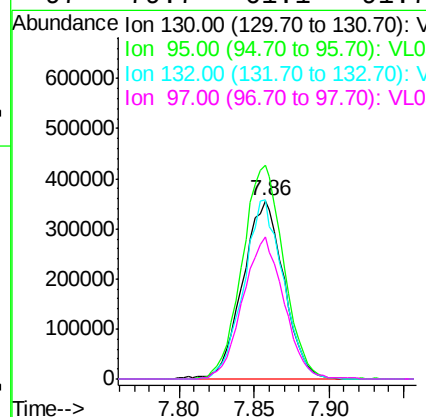
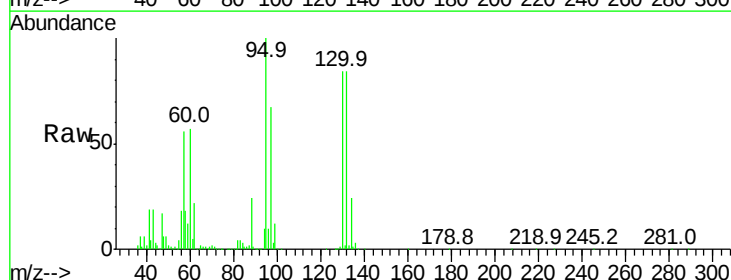
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

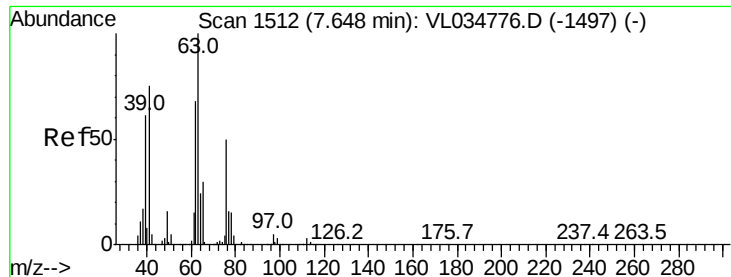
Tgt Ion: 62 Resp: 1206701
 Ion Ratio Lower Upper
 62 100
 98 5.5 4.4 6.6



#38
 Trichloroethene
 Concen: 9.531 ppbv
 RT: 7.86 min Scan# 1577
 Delta R.T. -0.01 min
 Lab File: VL034788.D
 Acq: 4 Mar 2020 14:39

Tgt Ion: 130 Resp: 679051
 Ion Ratio Lower Upper
 130 100
 95 119.6 95.8 143.8
 132 100.2 76.1 114.1
 97 79.7 61.1 91.7





#39

1,2-Dichloropropane

Concen: 9.691 ppbv

RT: 7.63 min Scan# 1507

Delta R.T. -0.02 min

Lab File: VL034788.D

Acq: 4 Mar 2020 14:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

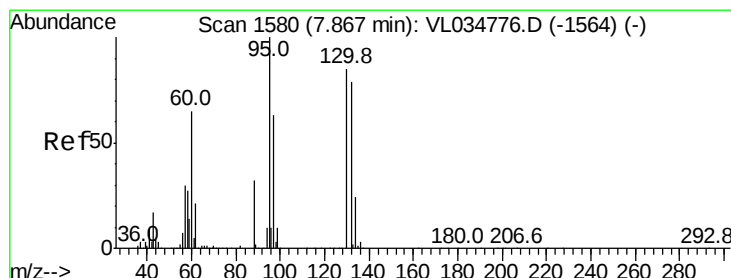
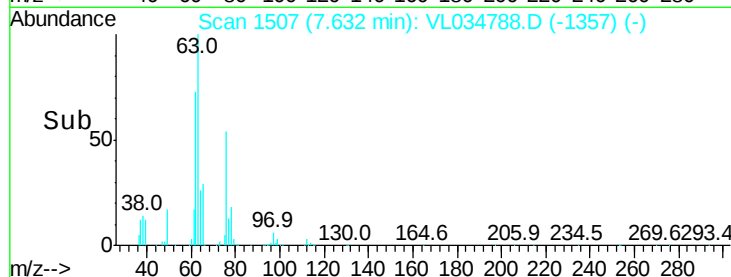
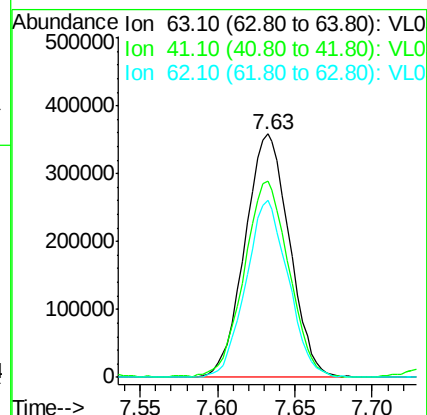
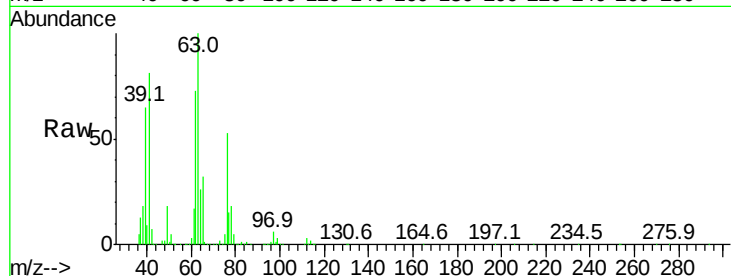
Tgt Ion: 63 Resp: 714922

Ion Ratio Lower Upper

63 100

41 80.6 60.3 90.5

62 72.8 54.5 81.7



#40

1,4-Dioxane

Concen: 10.592 ppbv

RT: 7.85 min Scan# 1574

Delta R.T. -0.02 min

Lab File: VL034788.D

Acq: 4 Mar 2020 14:39

Tgt Ion: 88 Resp: 270275

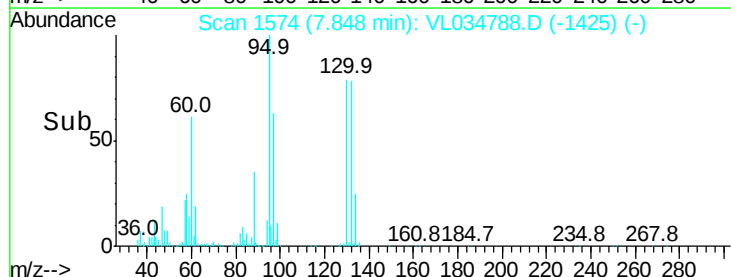
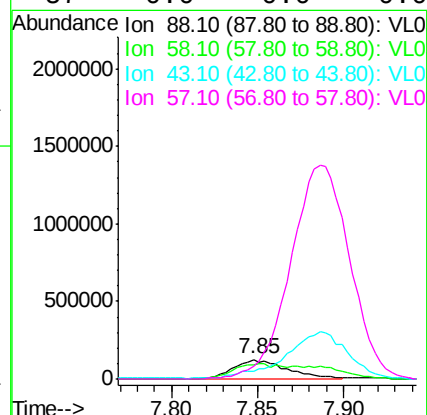
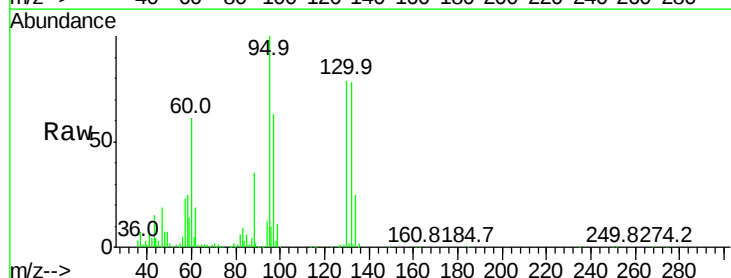
Ion Ratio Lower Upper

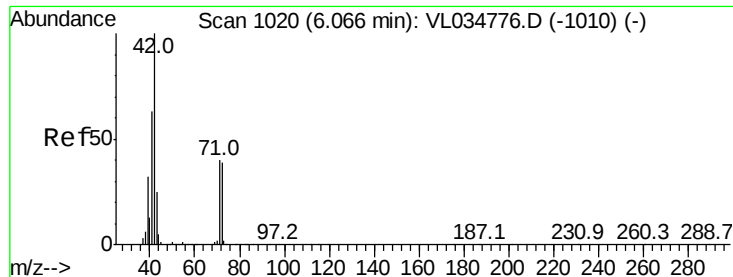
88 100

58 138.4 110.6 166.0

43 0.0 0.0 0.0

57 0.0 0.0 0.0





#41

Tetrahydrofuran

Concen: 10.118 ppbv

RT: 6.05 min Scan# 1015

Delta R.T. -0.02 min

Lab File: VL034788.D

Acq: 4 Mar 2020 14:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

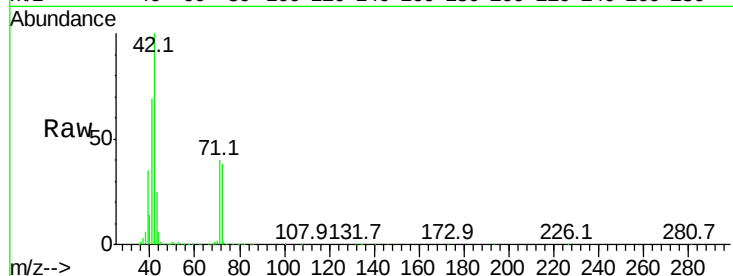
Tgt Ion: 42 Resp: 718502

Ion Ratio Lower Upper

42 100

72 40.0 32.0 48.0

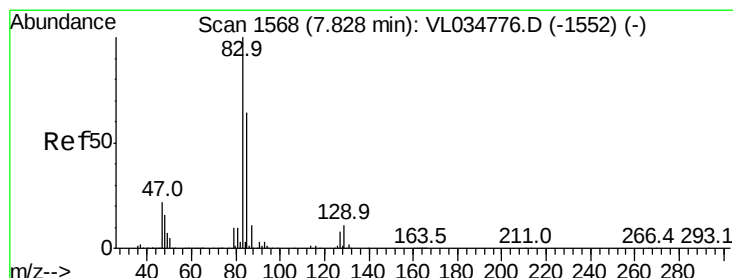
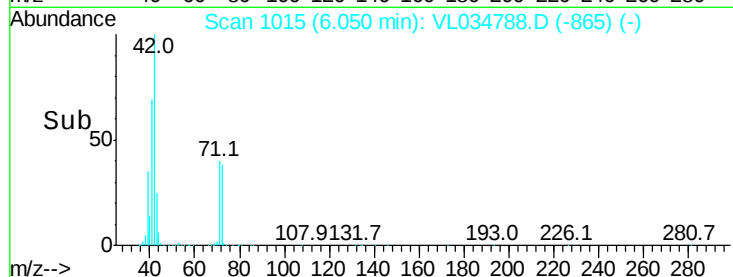
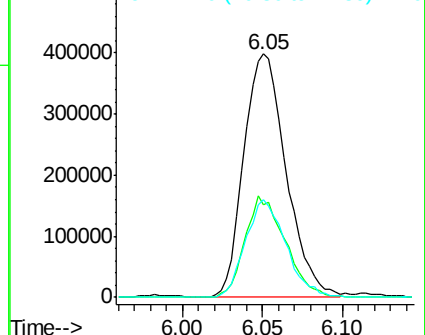
71 38.9 31.3 46.9



Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 10.096 ppbv

RT: 7.81 min Scan# 1563

Delta R.T. -0.02 min

Lab File: VL034788.D

Acq: 4 Mar 2020 14:39

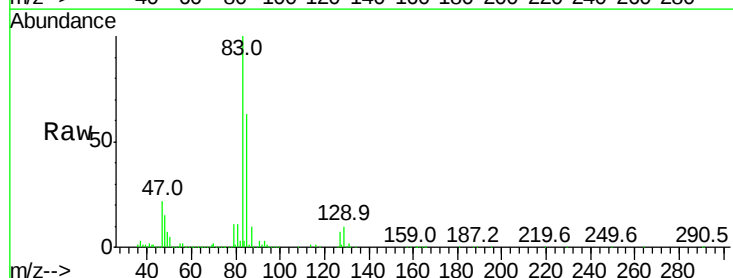
Tgt Ion: 83 Resp: 1595006

Ion Ratio Lower Upper

83 100

85 62.7 50.8 76.2

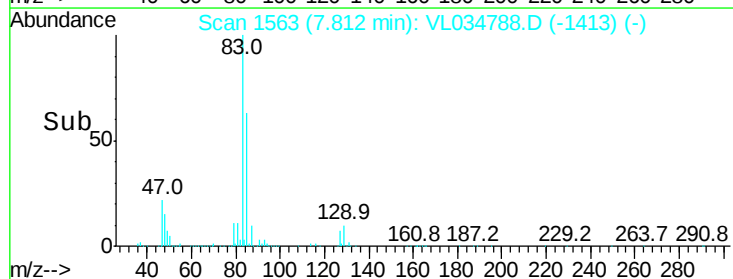
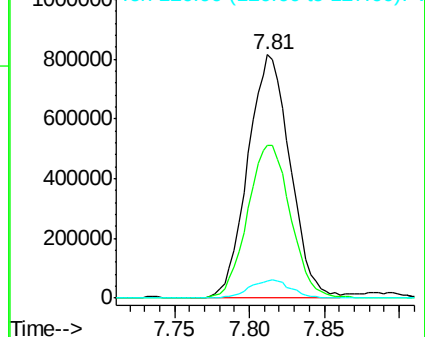
127 7.0 6.5 9.7

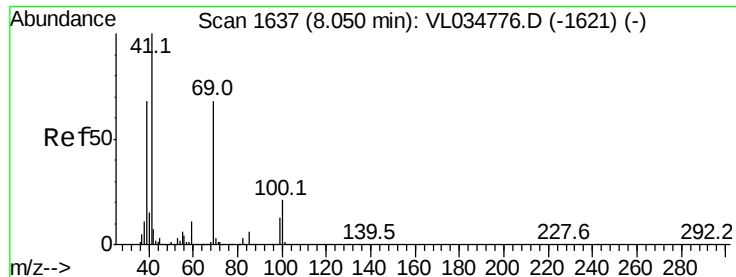


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V





#43

Methyl Methacrylate

Concen: 10.834 ppbv

RT: 8.03 min Scan# 1632

Delta R.T. -0.02 min

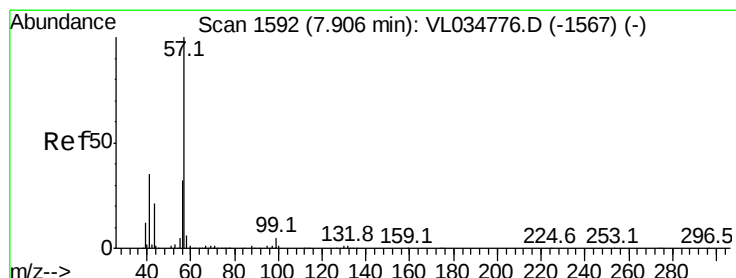
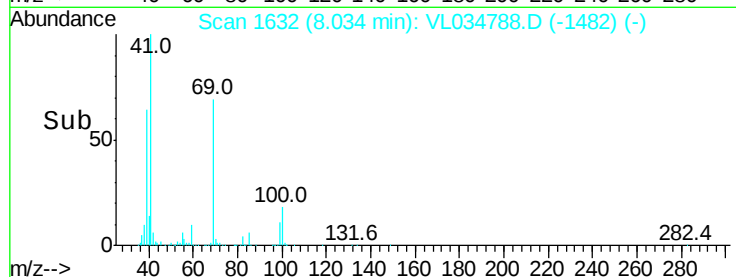
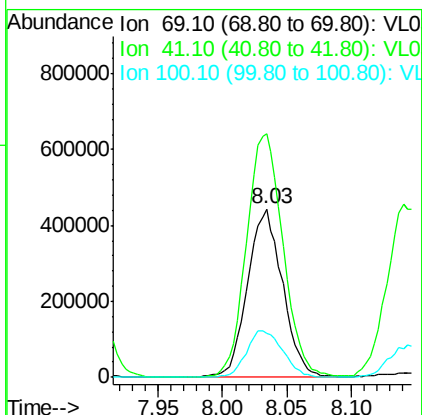
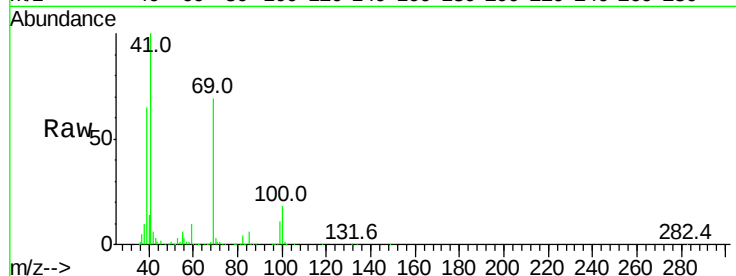
Lab File: VL034788.D

Acq: 4 Mar 2020 14:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 69 Resp: 839261

Ion	Ratio	Lower	Upper
69	100		
41	150.9	121.6	182.4
100	28.7	23.8	35.8



#44

2,2,4-Trimethylpentane

Concen: 10.315 ppbv

RT: 7.89 min Scan# 1586

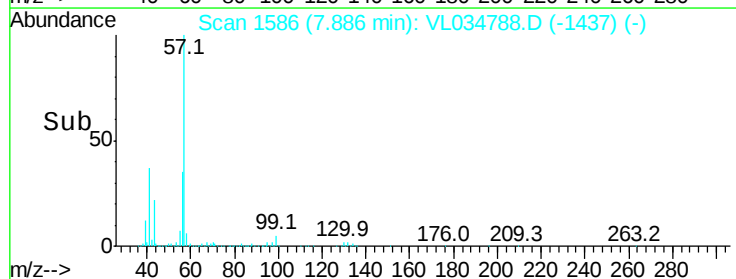
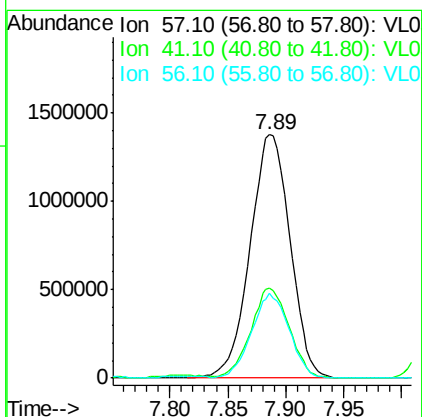
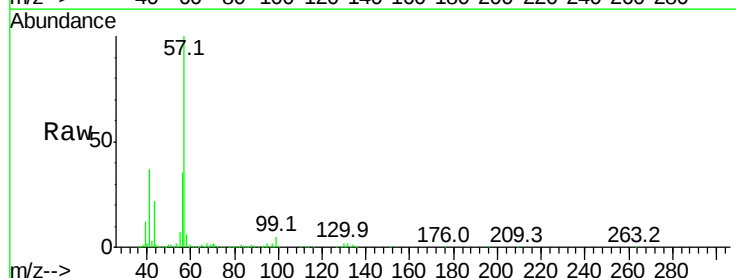
Delta R.T. -0.02 min

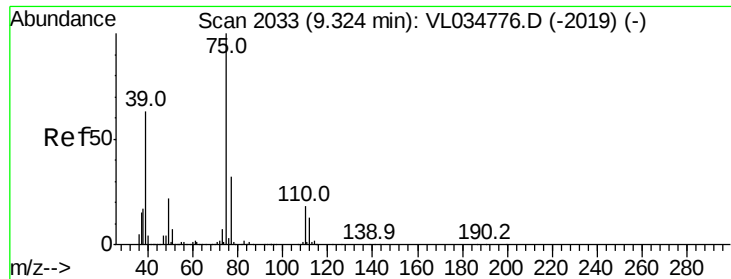
Lab File: VL034788.D

Acq: 4 Mar 2020 14:39

Tgt Ion: 57 Resp: 3295077

Ion	Ratio	Lower	Upper
57	100		
41	35.7	27.4	41.0
56	32.9	25.0	37.6





#45

t-1,3-Dichloropropene

Concen: 12.397 ppbv

RT: 9.31 min Scan# 2029

Delta R.T. -0.01 min

Lab File: VL034788.D

Acq: 4 Mar 2020 14:39

Instrument :

MSVOA_L

ClientSampleId :

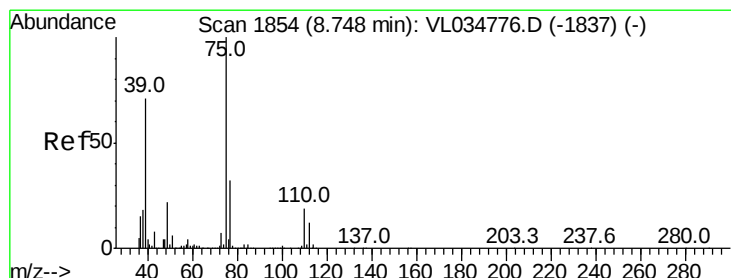
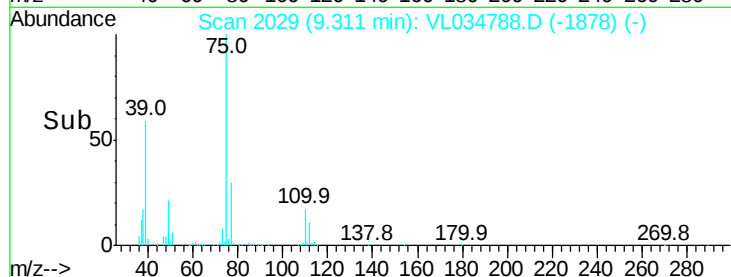
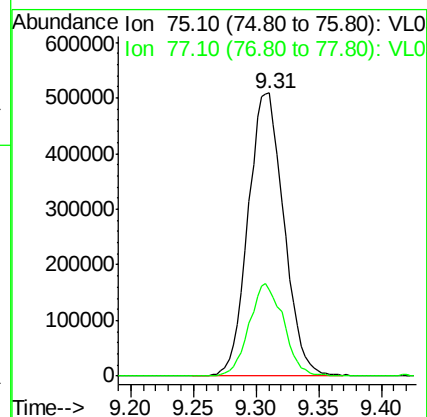
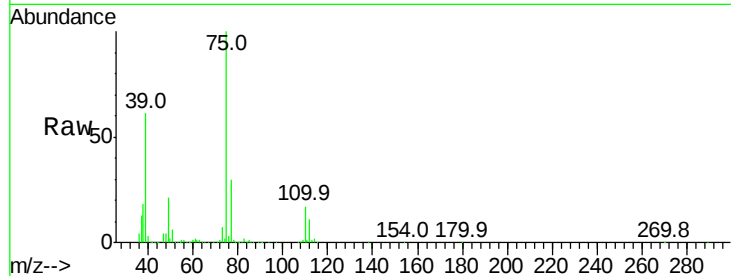
VSTDCCC010EC

Tgt Ion: 75 Resp: 1008097

Ion Ratio Lower Upper

75 100

77 30.4 25.6 38.4



#46

cis-1,3-Dichloropropene

Concen: 11.669 ppbv

RT: 8.73 min Scan# 1848

Delta R.T. -0.02 min

Lab File: VL034788.D

Acq: 4 Mar 2020 14:39

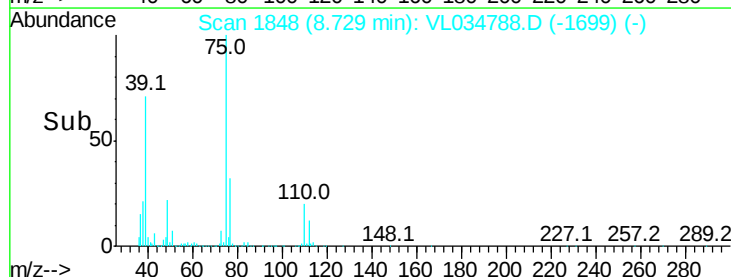
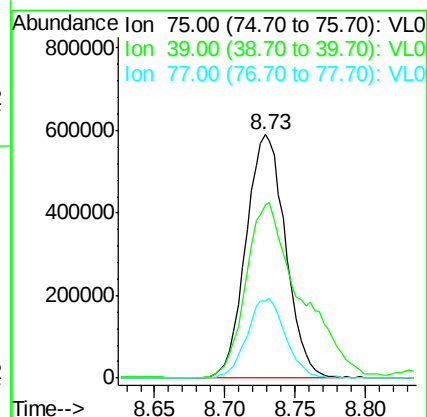
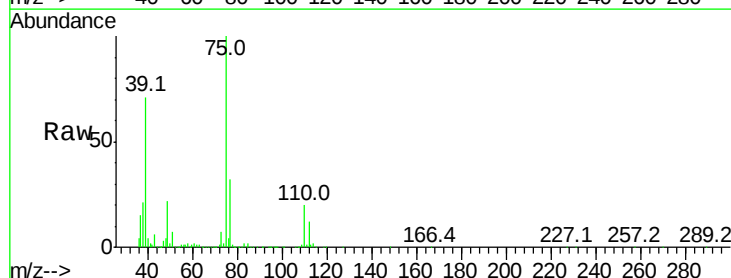
Tgt Ion: 75 Resp: 1158743

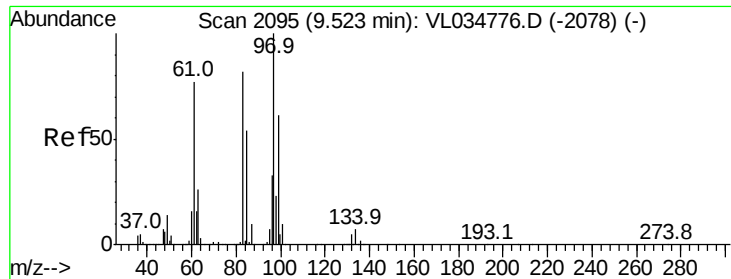
Ion Ratio Lower Upper

75 100

39 71.1 56.9 85.3

77 31.6 25.7 38.5

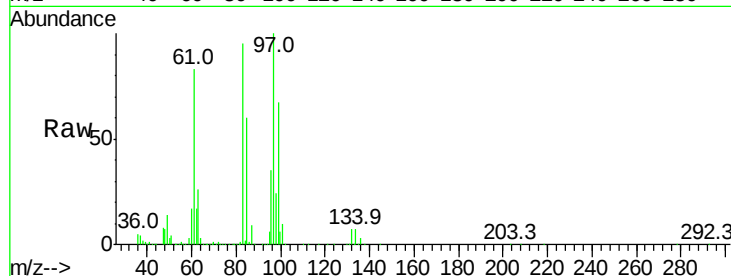




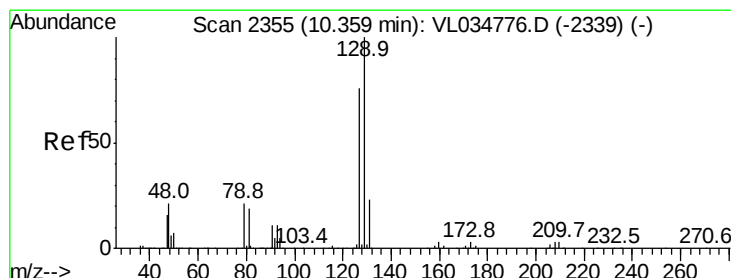
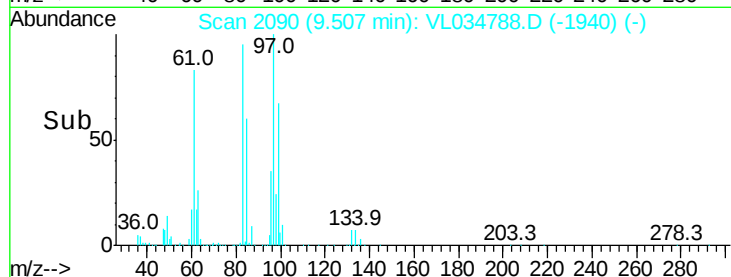
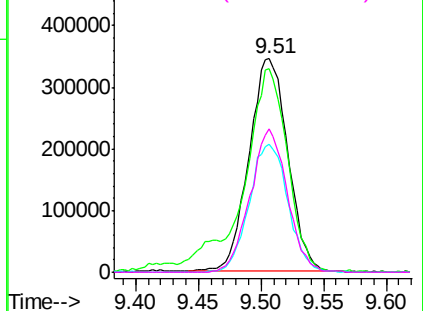
#47
 1,1,2-Trichloroethane
 Concen: 9.561 ppbv
 RT: 9.51 min Scan# 2090
 Delta R.T. -0.02 min
 Lab File: VL034788.D
 Acq: 4 Mar 2020 14:39

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 97 Resp: 744638
 Ion Ratio Lower Upper
 97 100
 83 95.2 65.2 97.8
 85 60.4 43.6 65.4
 99 67.5 48.9 73.3

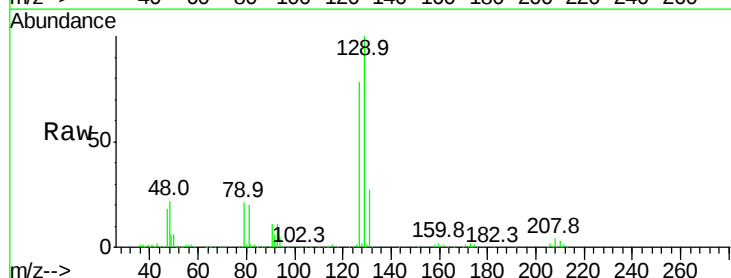


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

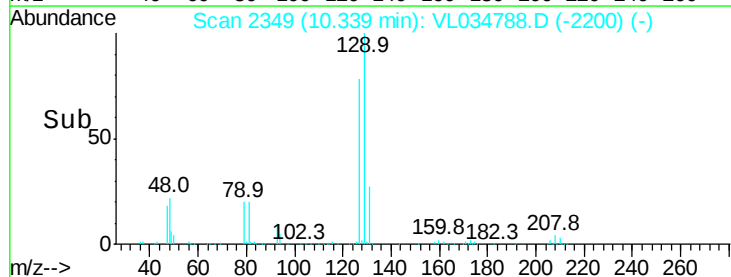
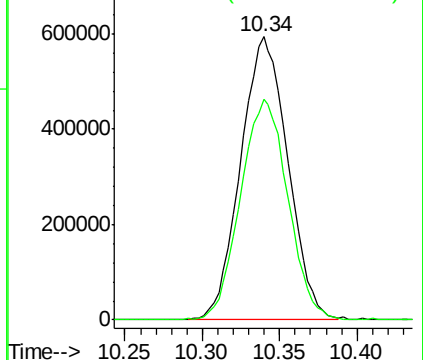


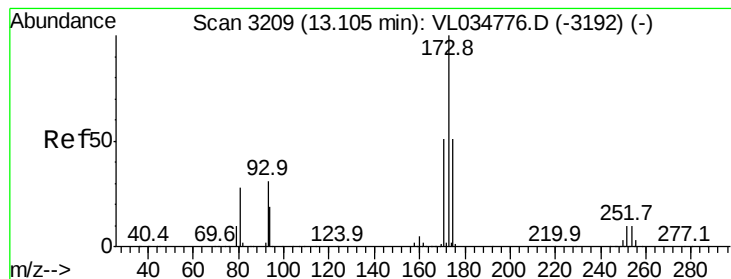
#48
 Dibromochloromethane
 Concen: 10.354 ppbv
 RT: 10.34 min Scan# 2349
 Delta R.T. -0.02 min
 Lab File: VL034788.D
 Acq: 4 Mar 2020 14:39

Tgt Ion: 129 Resp: 1261030
 Ion Ratio Lower Upper
 129 100
 127 78.4 39.0 117.0



Abundance Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 10.165 ppbv

RT: 13.09 min Scan# 3203

Delta R.T. -0.02 min

Lab File: VL034788.D

Acq: 4 Mar 2020 14:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

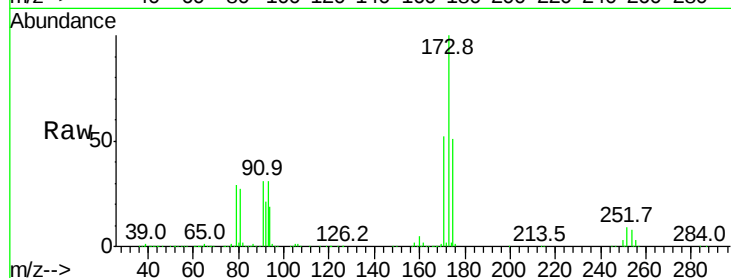
Tgt Ion:173 Resp: 1080320

Ion Ratio Lower Upper

173 100

175 49.9 39.8 59.6

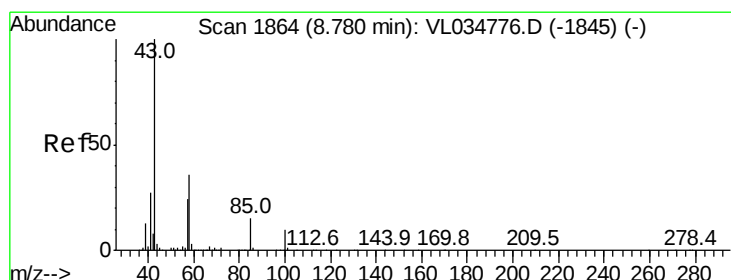
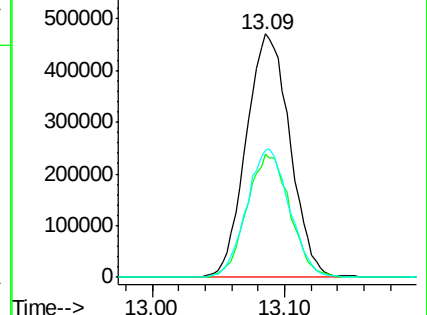
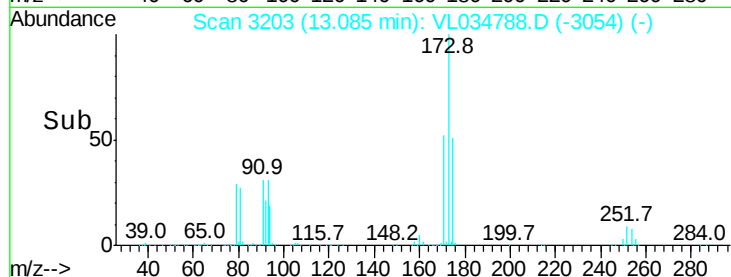
171 51.6 41.0 61.4



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: 10.218 ppbv

RT: 8.76 min Scan# 1858

Delta R.T. -0.02 min

Lab File: VL034788.D

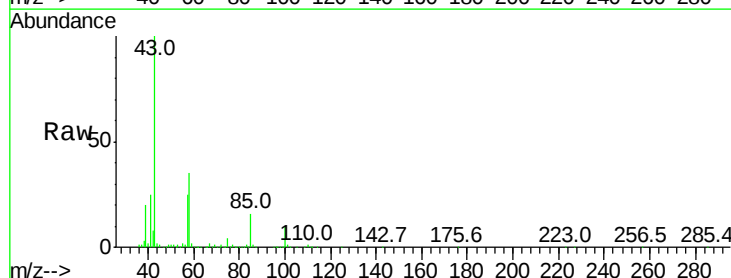
Acq: 4 Mar 2020 14:39

Tgt Ion: 43 Resp: 2037589

Ion Ratio Lower Upper

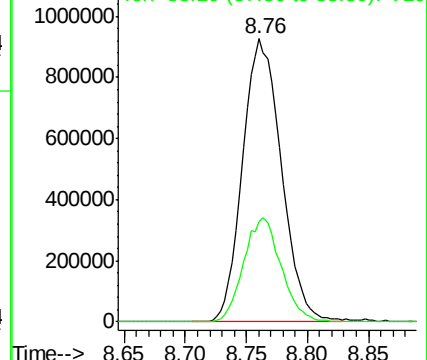
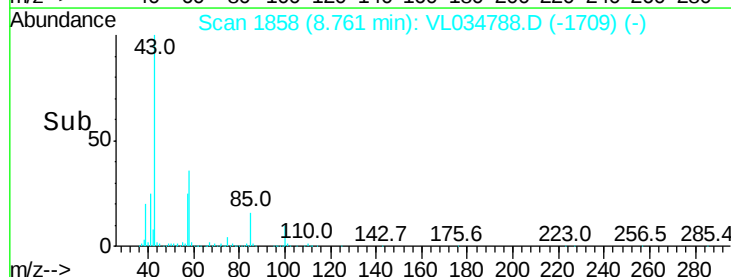
43 100

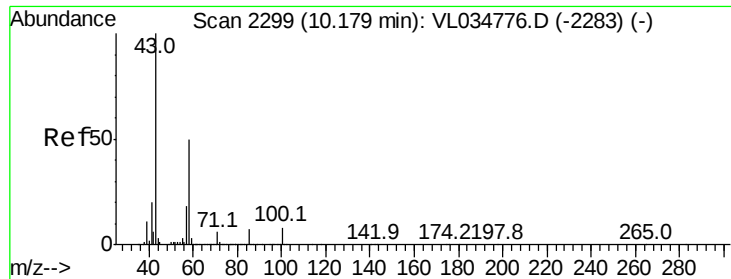
58 35.4 28.7 43.1



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

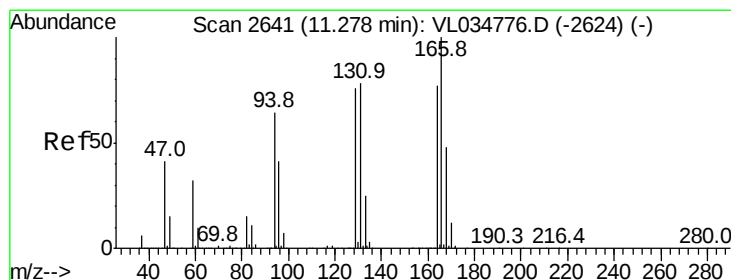
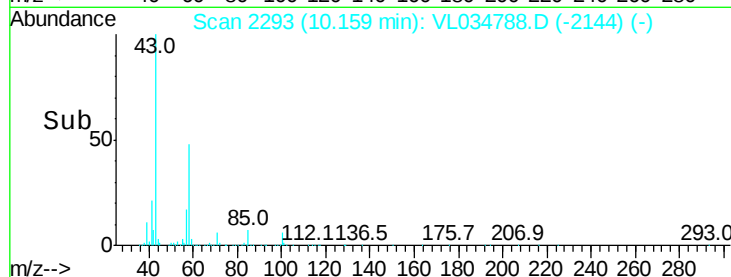
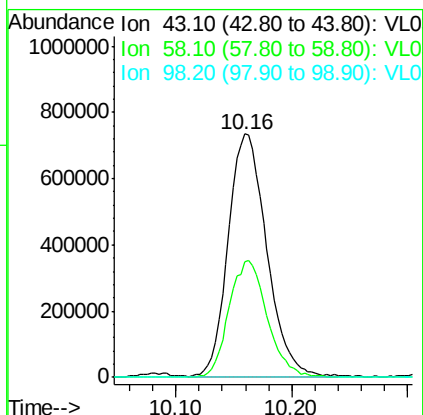
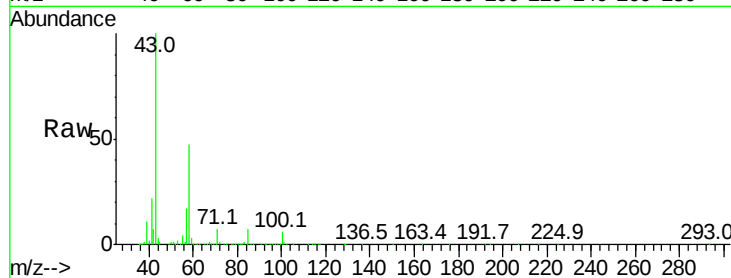




#51
2-Hexanone
Concen: 10.751 ppbv
RT: 10.16 min Scan# 2293
Delta R.T. -0.02 min
Lab File: VL034788.D
Acq: 4 Mar 2020 14:39

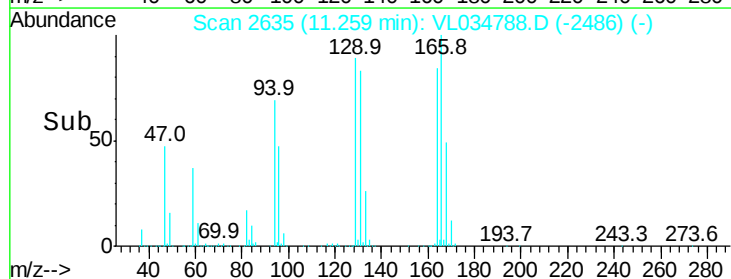
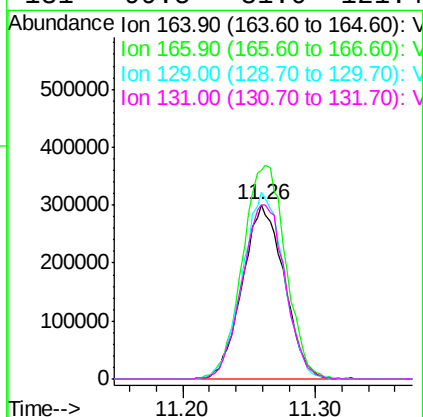
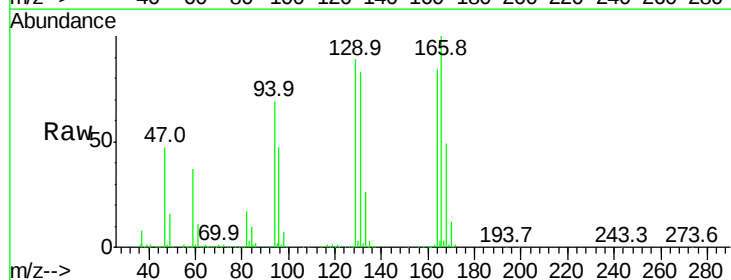
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

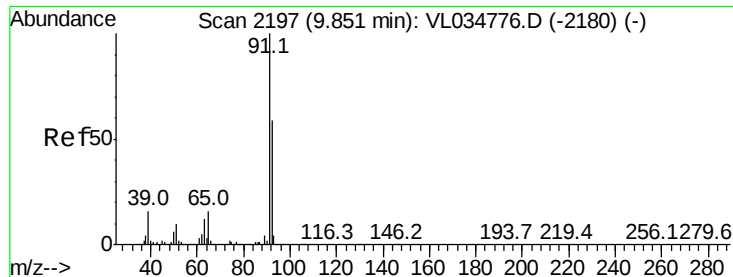
Tgt Ion: 43 Resp: 1681832
Ion Ratio Lower Upper
43 100
58 48.2 38.6 58.0
98 0.3 0.2 0.4



#52
Tetrachloroethene
Concen: 9.743 ppbv
RT: 11.26 min Scan# 2635
Delta R.T. -0.02 min
Lab File: VL034788.D
Acq: 4 Mar 2020 14:39

Tgt Ion: 164 Resp: 658019
Ion Ratio Lower Upper
164 100
166 119.6 103.3 154.9
129 106.8 79.0 118.4
131 99.5 81.0 121.4





#53

Toluene

Concen: 11.071 ppbv

RT: 9.83 min Scan# 2192

Delta R.T. -0.02 min

Lab File: VL034788.D

Acq: 4 Mar 2020 14:39

Instrument :

MSVOA_L

ClientSampleId :

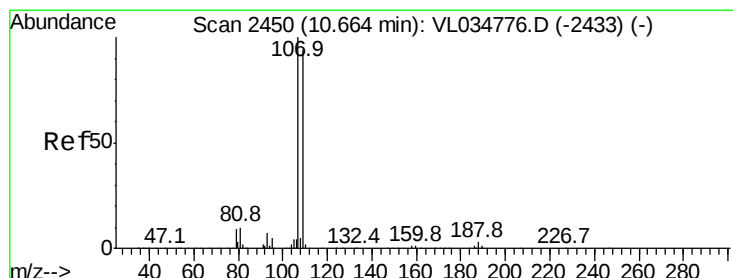
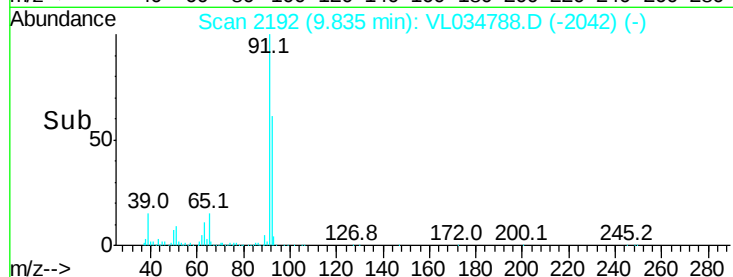
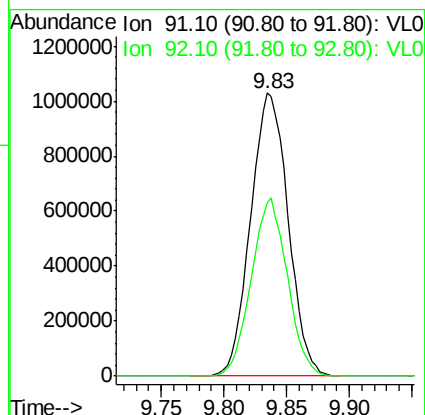
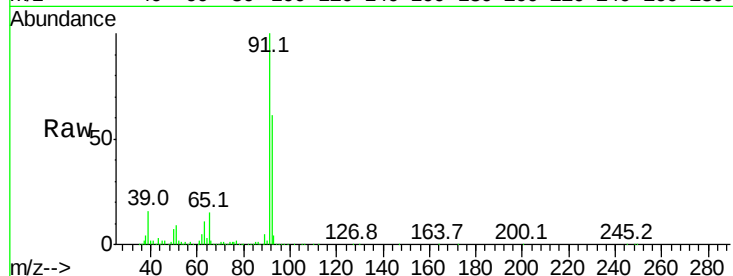
VSTDCCC010EC

Tgt Ion: 91 Resp: 2141906

Ion Ratio Lower Upper

91 100

92 60.6 48.2 72.2



#54

1,2-Dibromoethane

Concen: 9.924 ppbv

RT: 10.64 min Scan# 2444

Delta R.T. -0.02 min

Lab File: VL034788.D

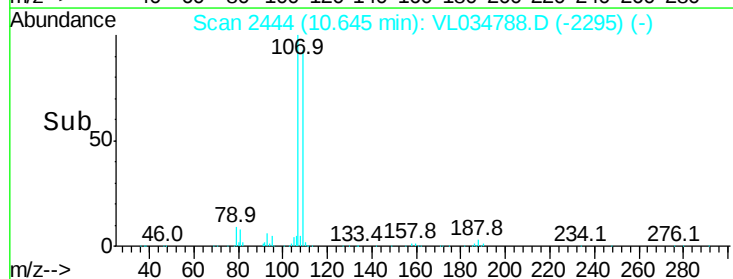
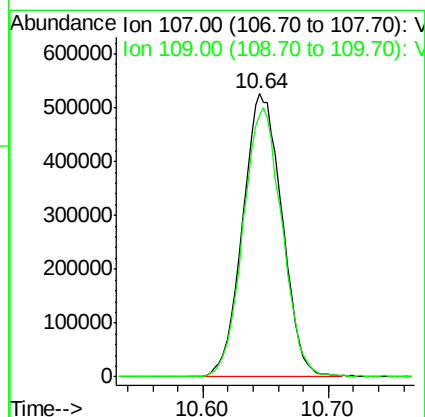
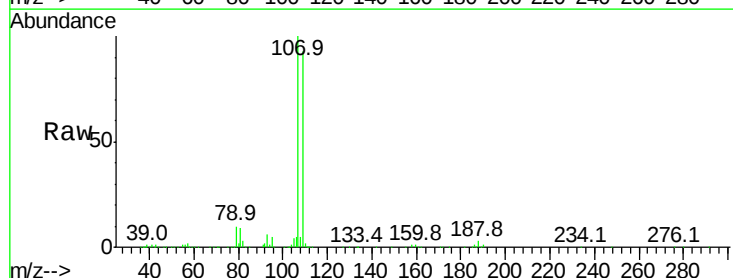
Acq: 4 Mar 2020 14:39

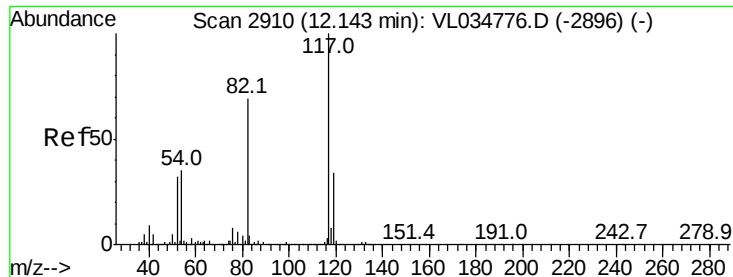
Tgt Ion: 107 Resp: 1142916

Ion Ratio Lower Upper

107 100

109 92.5 75.0 112.6

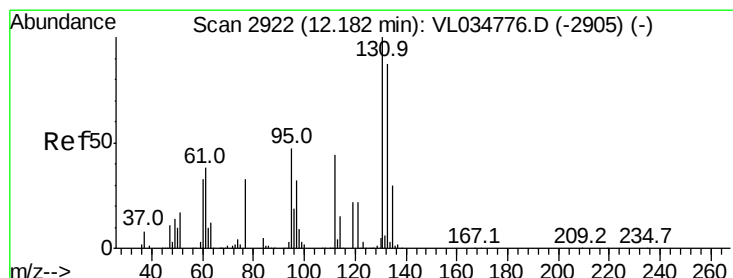
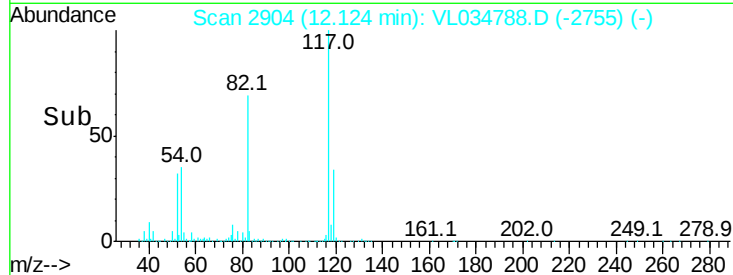
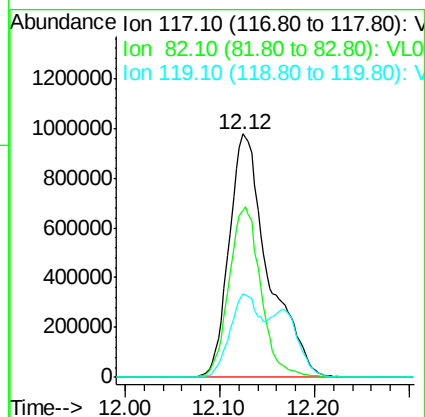
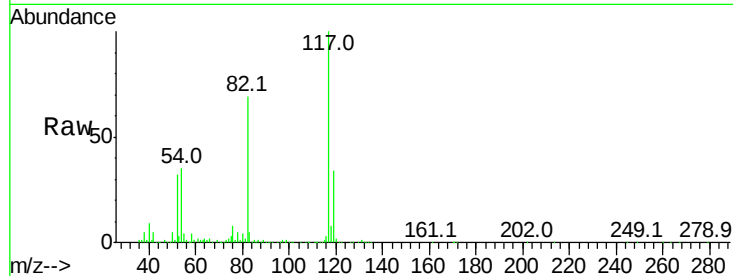




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.12 min Scan# 2904
Delta R.T. -0.02 min
Lab File: VL034788.D
Acq: 4 Mar 2020 14:39

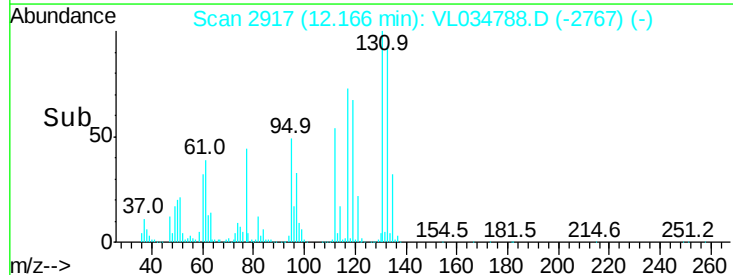
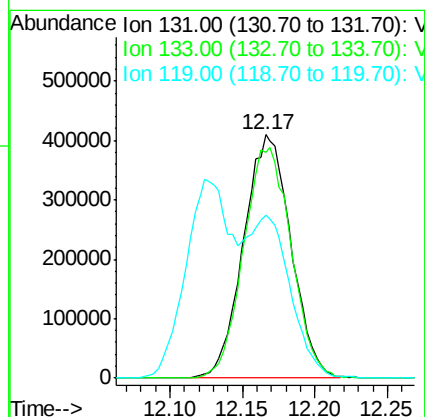
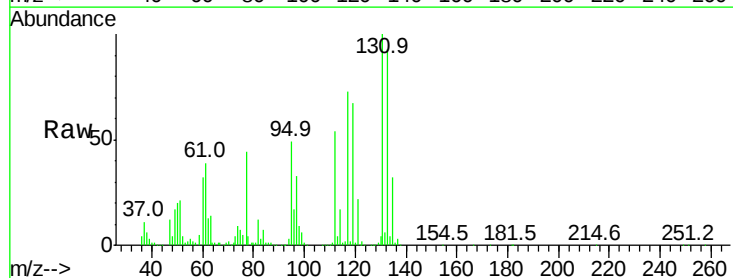
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

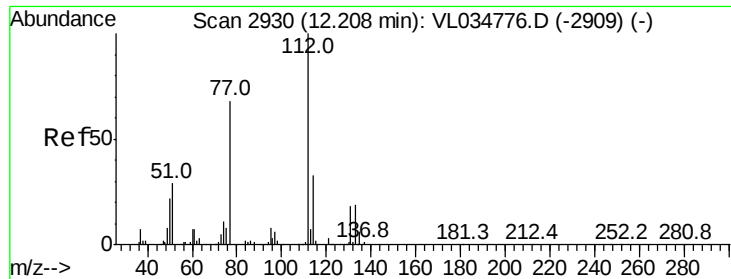
Tgt Ion:117 Resp: 2805667
Ion Ratio Lower Upper
117 100
82 57.3 53.9 80.9
119 25.8 25.0 37.4



#56
1,1,1,2-Tetrachloroethane
Concen: 7.482 ppbv
RT: 12.17 min Scan# 2917
Delta R.T. -0.02 min
Lab File: VL034788.D
Acq: 4 Mar 2020 14:39

Tgt Ion:131 Resp: 930060
Ion Ratio Lower Upper
131 100
133 95.9 75.4 113.0
119 63.9 110.5 165.7#

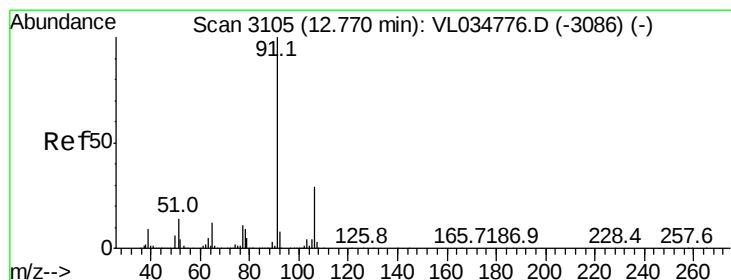
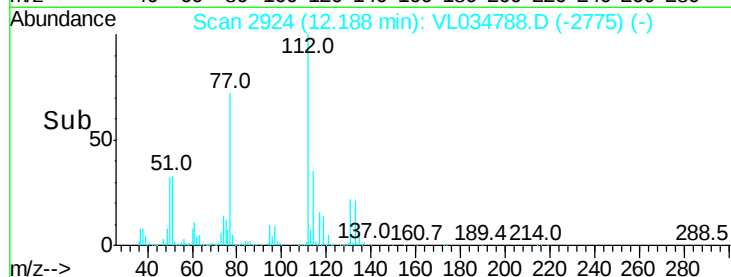
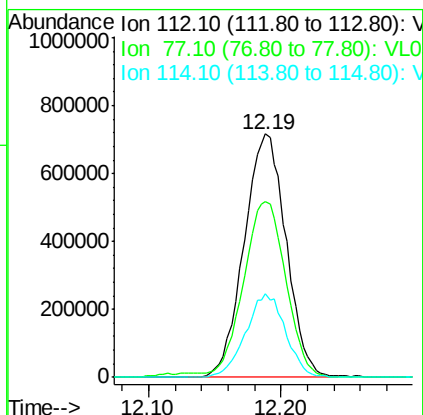
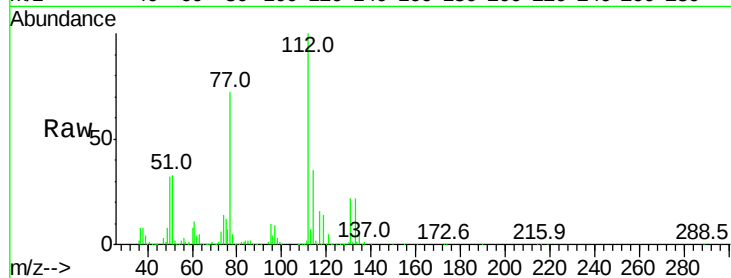




#57
Chlorobenzene
Concen: 7.314 ppbv
RT: 12.19 min Scan# 2924
Delta R.T. -0.02 min
Lab File: VL034788.D
Acq: 4 Mar 2020 14:39

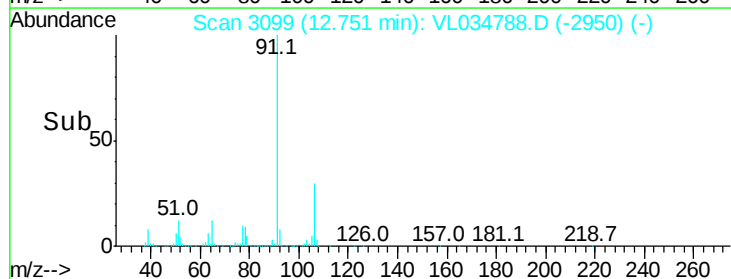
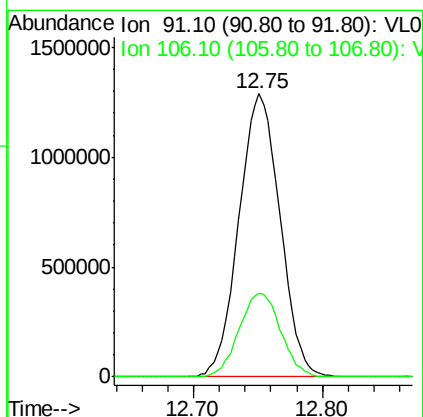
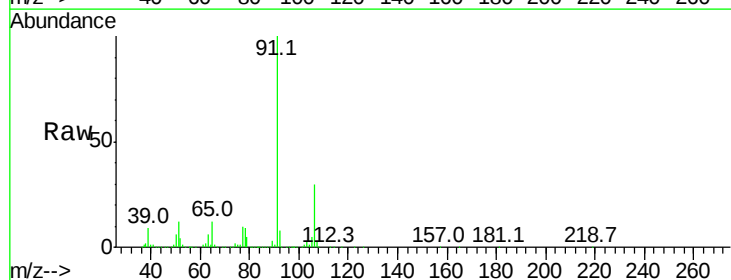
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

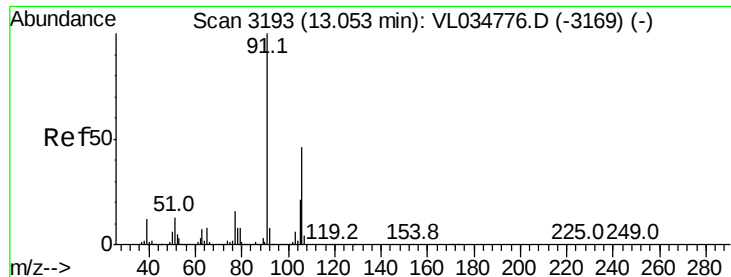
Tgt Ion: 112 Resp: 1567545
Ion Ratio Lower Upper
112 100
77 72.2 55.6 83.4
114 34.5 29.4 36.0



#58
Ethyl Benzene
Concen: 8.251 ppbv
RT: 12.75 min Scan# 3099
Delta R.T. -0.02 min
Lab File: VL034788.D
Acq: 4 Mar 2020 14:39

Tgt Ion: 91 Resp: 2852777
Ion Ratio Lower Upper
91 100
106 29.5 22.8 34.2





#59

m/p-Xylene

Concen: 7.636 ppbv

RT: 13.03 min Scan# 3187

Delta R.T. -0.02 min

Lab File: VL034788.D

Acq: 4 Mar 2020 14:39

Instrument :

MSVOA_L

ClientSampleId :

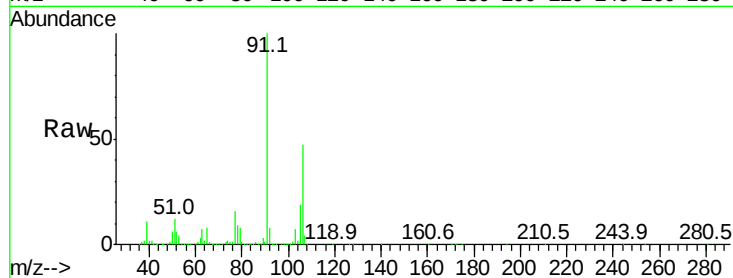
VSTDCCC010EC

Tgt Ion: 91 Resp: 2285487

Ion Ratio Lower Upper

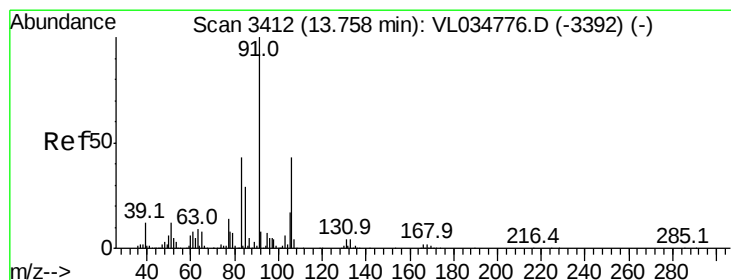
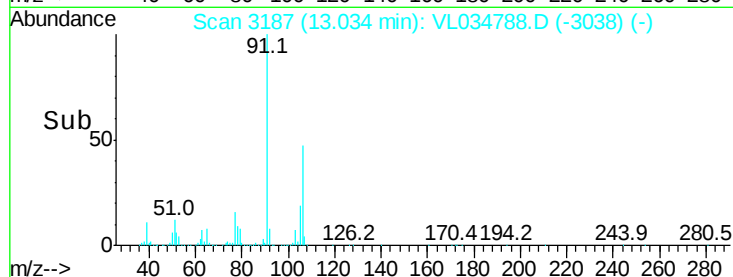
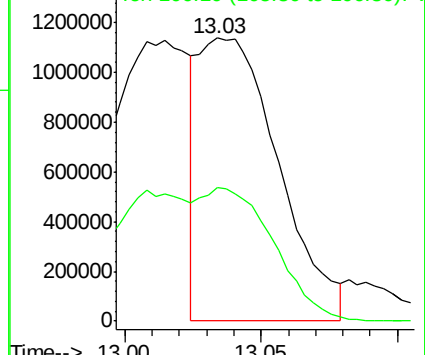
91 100

106 91.8 35.8 53.8#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#60

o-Xylene

Concen: 7.585 ppbv

RT: 13.73 min Scan# 3405

Delta R.T. -0.02 min

Lab File: VL034788.D

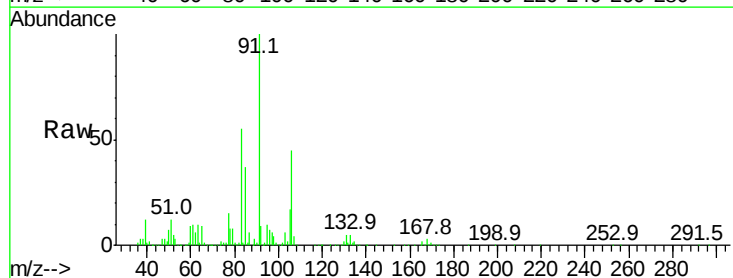
Acq: 4 Mar 2020 14:39

Tgt Ion: 91 Resp: 2296794

Ion Ratio Lower Upper

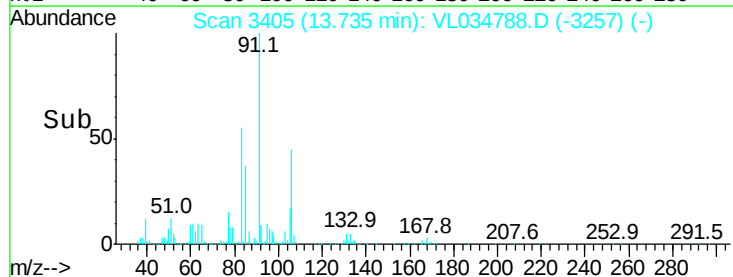
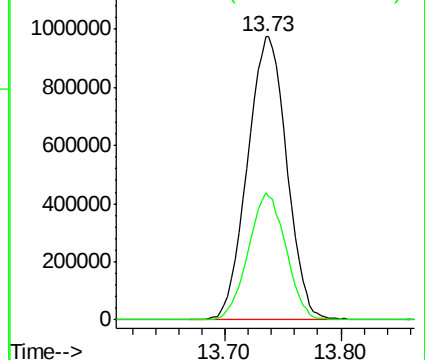
91 100

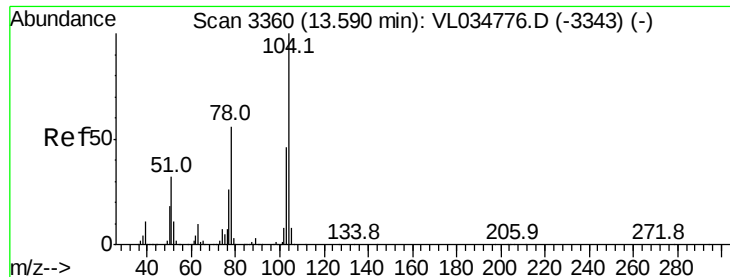
106 42.9 21.7 65.1



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#61

Styrene

Concen: 8.547 ppbv

RT: 13.57 min Scan# 3355

Delta R.T. -0.02 min

Lab File: VL034788.D

Acq: 4 Mar 2020 14:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

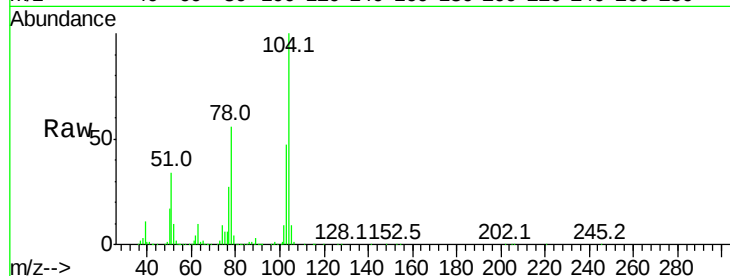
Tgt Ion:104 Resp: 1605640

Ion Ratio Lower Upper

104 100

78 56.9 44.7 67.1

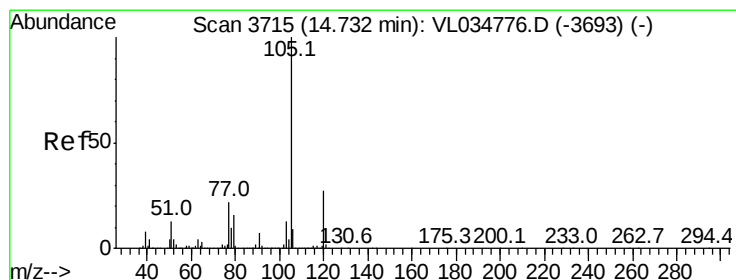
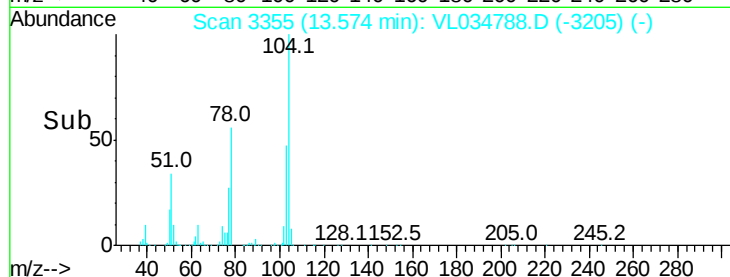
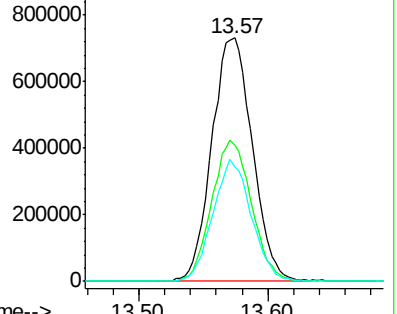
103 47.5 38.2 57.2



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 7.339 ppbv

RT: 14.72 min Scan# 3710

Delta R.T. -0.02 min

Lab File: VL034788.D

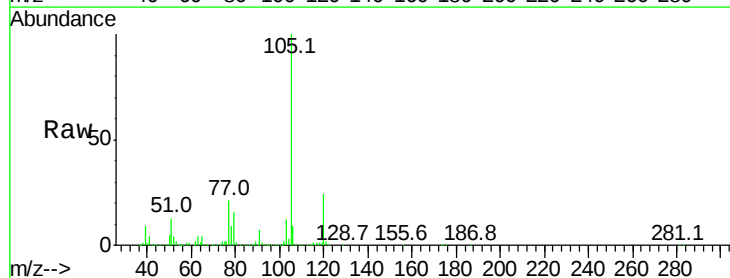
Acq: 4 Mar 2020 14:39

Tgt Ion:105 Resp: 3270946

Ion Ratio Lower Upper

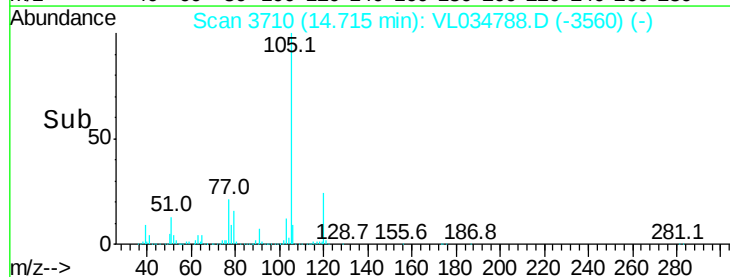
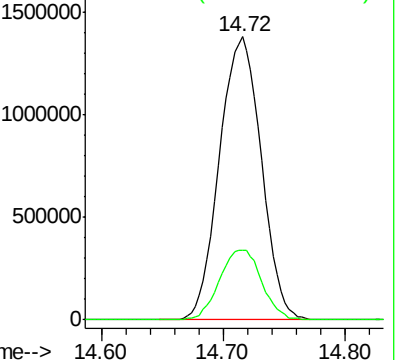
105 100

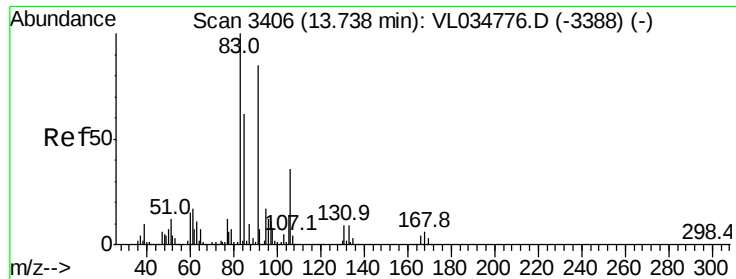
120 25.0 20.5 30.7



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

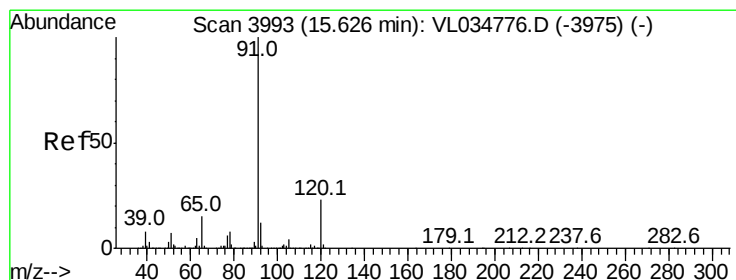
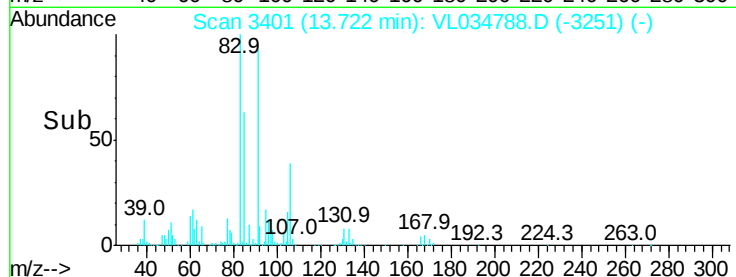
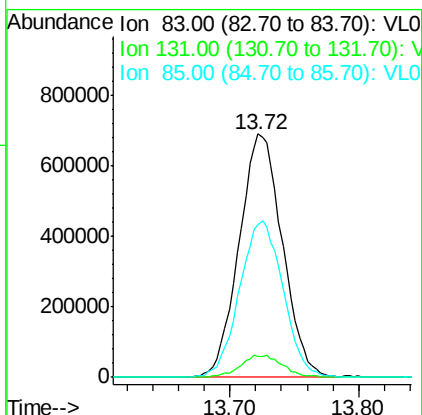
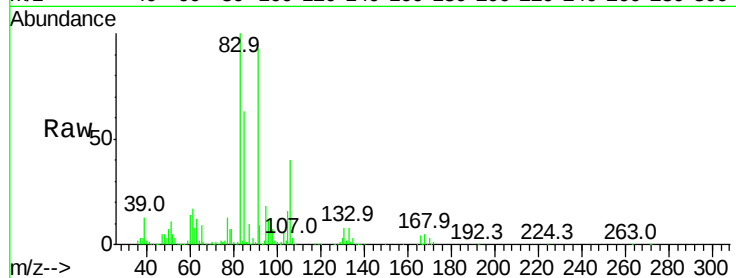




#63
 1,1,2,2-Tetrachloroethane
 Concen: 6.717 ppbv
 RT: 13.72 min Scan# 3401
 Delta R.T. -0.02 min
 Lab File: VL034788.D
 Acq: 4 Mar 2020 14:39

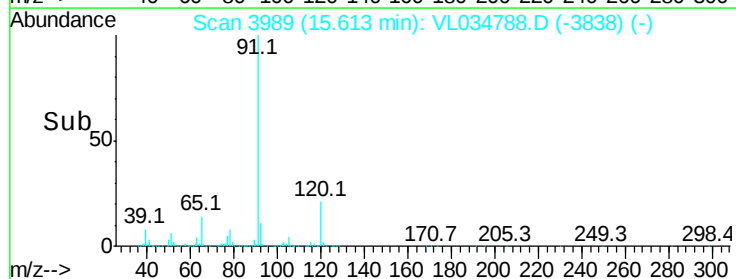
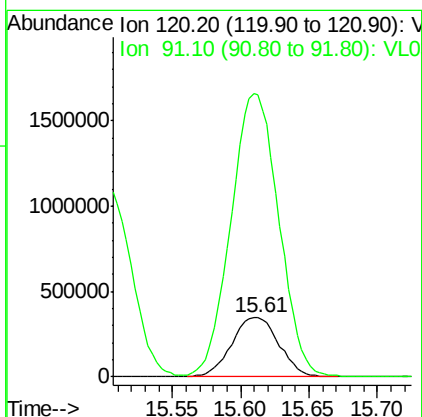
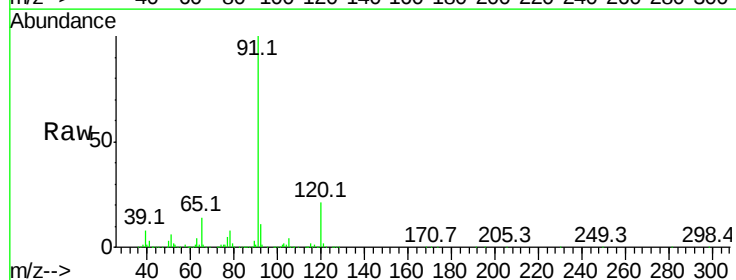
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

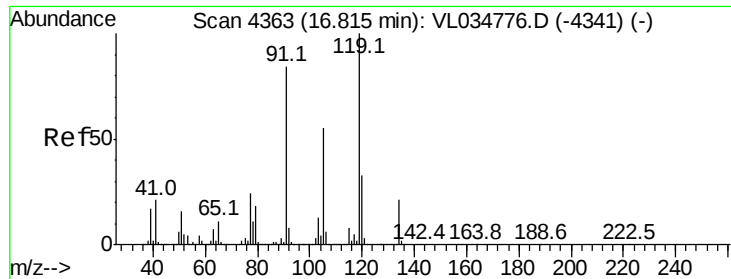
Tgt Ion: 83 Resp: 1603487
 Ion Ratio Lower Upper
 83 100
 131 9.0 4.7 14.0
 85 65.1 32.9 98.7



#64
 n-propylbenzene
 Concen: 7.448 ppbv
 RT: 15.61 min Scan# 3989
 Delta R.T. -0.01 min
 Lab File: VL034788.D
 Acq: 4 Mar 2020 14:39

Tgt Ion: 120 Resp: 832281
 Ion Ratio Lower Upper
 120 100
 91 485.8 379.4 569.2





#65

tert-Butylbenzene

Concen: 7.512 ppbv

RT: 16.80 min Scan# 4358

Delta R.T. -0.02 min

Lab File: VL034788.D

Acq: 4 Mar 2020 14:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

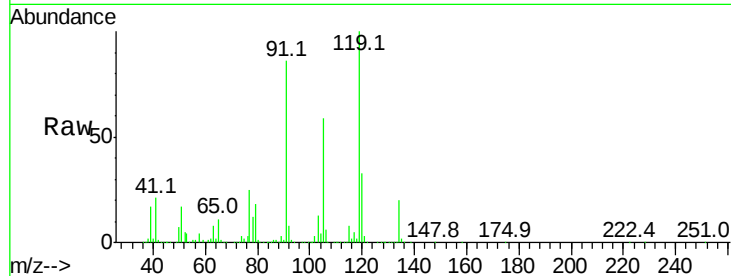
Tgt Ion:119 Resp: 2829460

Ion Ratio Lower Upper

119 100

91 87.7 69.8 104.6

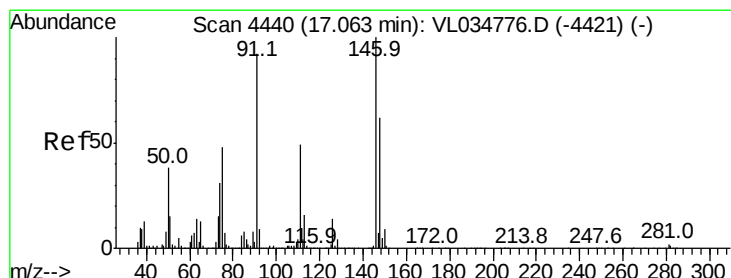
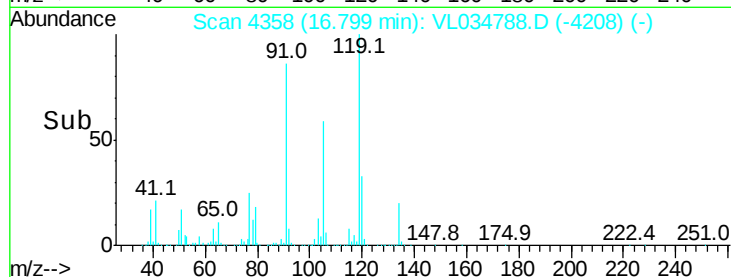
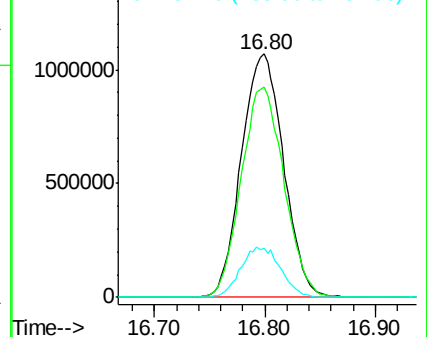
134 19.6 15.9 23.9



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 10.152 ppbv

RT: 17.04 min Scan# 4434

Delta R.T. -0.02 min

Lab File: VL034788.D

Acq: 4 Mar 2020 14:39

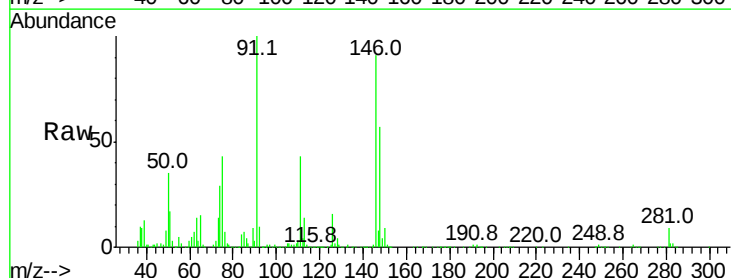
Tgt Ion: 91 Resp: 1236187

Ion Ratio Lower Upper

91 100

126 15.8 12.6 18.8

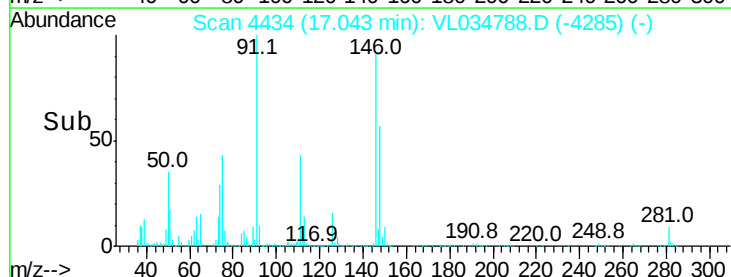
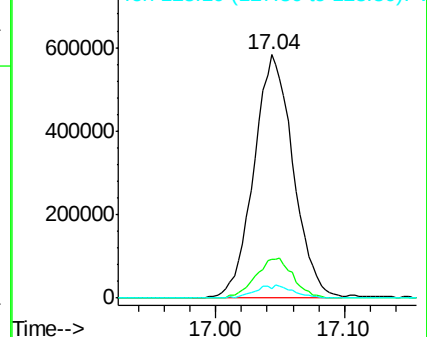
128 5.1 4.3 6.5

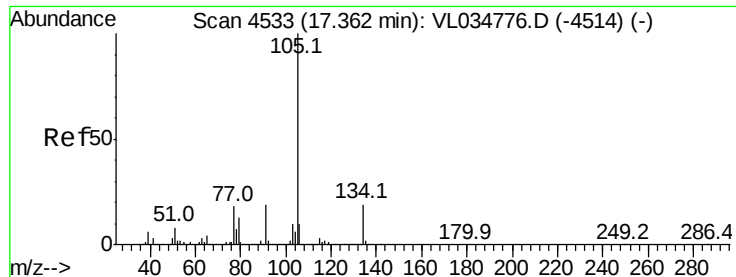


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V

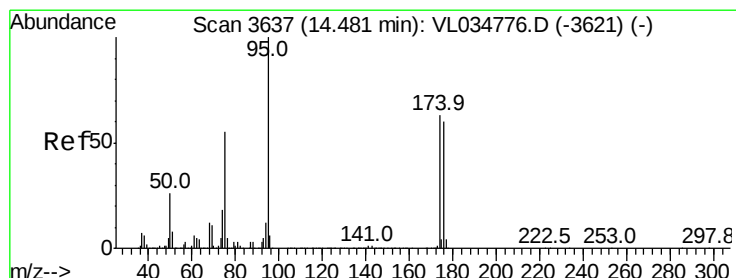
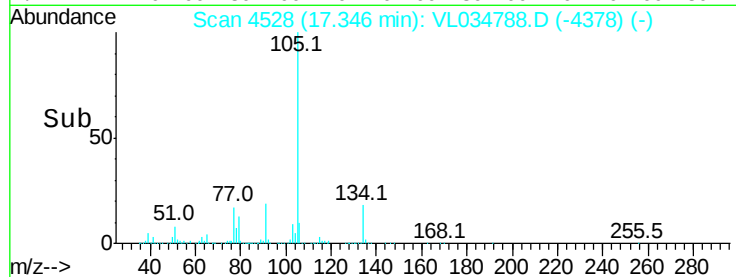
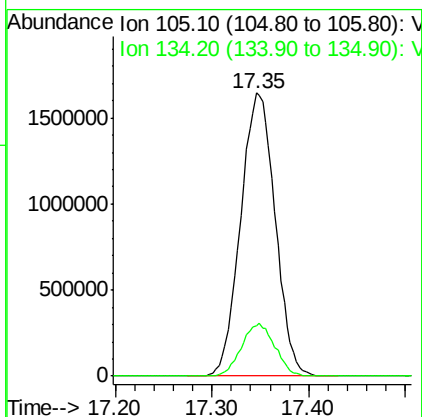
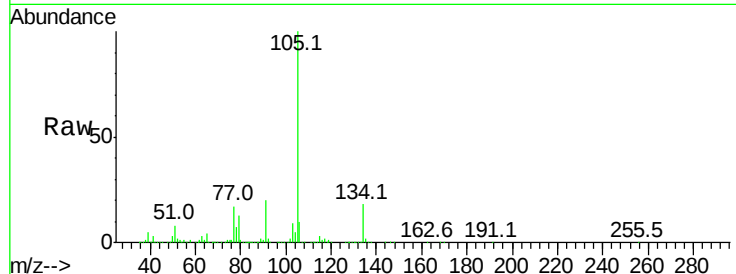




#67
 sec-Butylbenzene
 Concen: 7.430 ppbv
 RT: 17.35 min Scan# 4528
 Delta R.T. -0.02 min
 Lab File: VL034788.D
 Acq: 4 Mar 2020 14:39

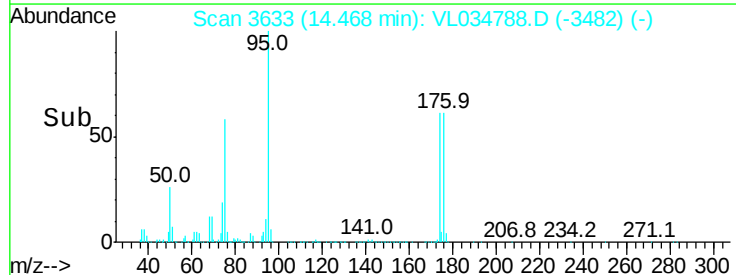
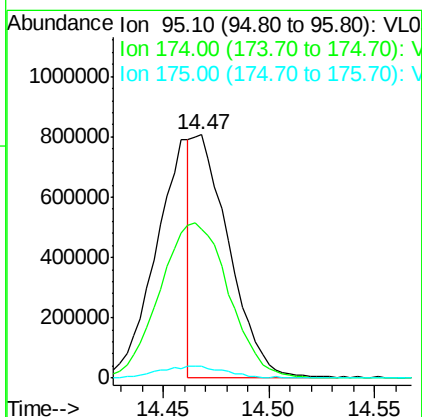
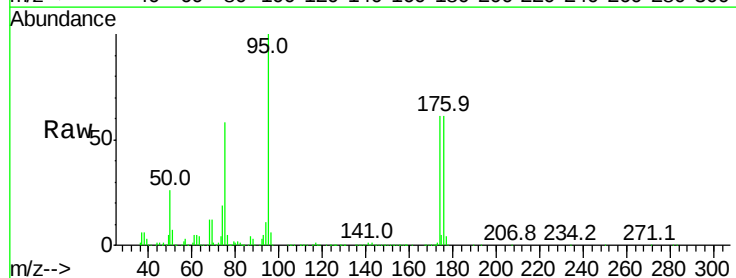
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

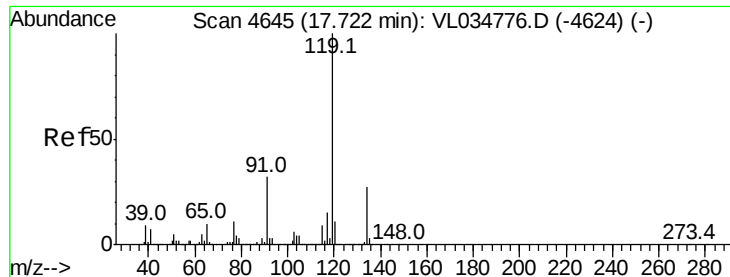
Tgt Ion:105 Resp: 4077652
 Ion Ratio Lower Upper
 105 100
 134 17.9 14.7 22.1



#68
 1-Bromo-4-Fluorobenzene
 Concen: 4.138 ppbv
 RT: 14.47 min Scan# 3633
 Delta R.T. -0.01 min
 Lab File: VL034788.D
 Acq: 4 Mar 2020 14:39

Tgt Ion: 95 Resp: 968027
 Ion Ratio Lower Upper
 95 100
 174 121.8 50.6 76.0#
 175 9.1 3.8 5.6#

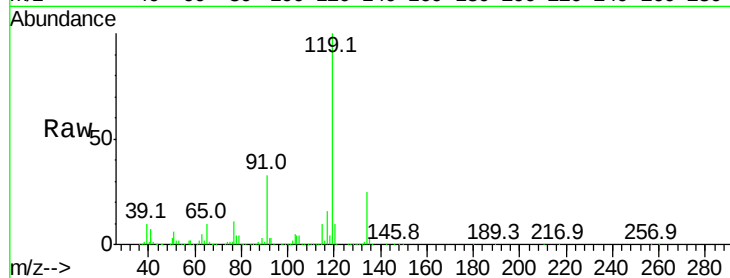




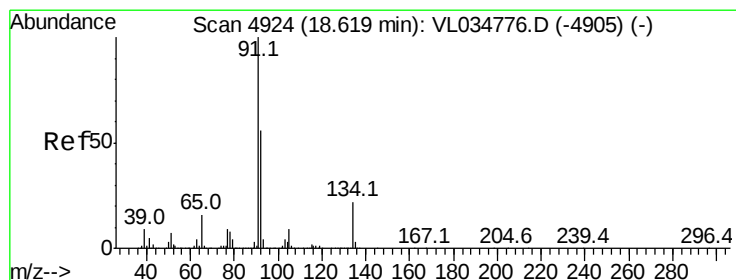
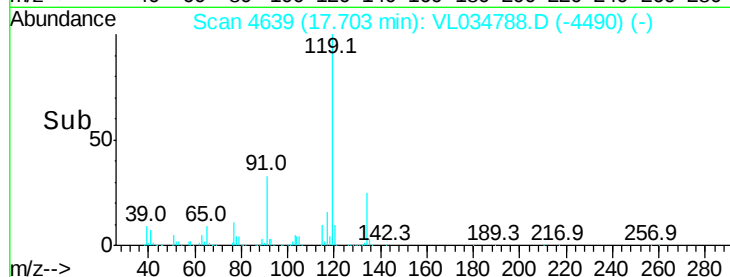
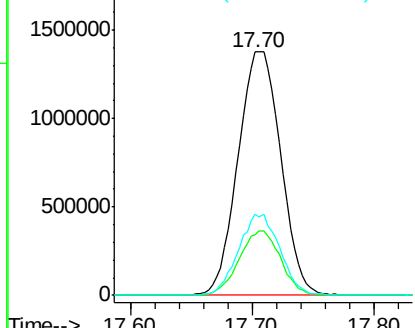
#69
 p-Isopropyltoluene
 Concen: 7.523 ppbv
 RT: 17.70 min Scan# 4639
 Delta R.T. -0.02 min
 Lab File: VL034788.D
 Acq: 4 Mar 2020 14:39

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 119 Resp: 3341333
 Ion Ratio Lower Upper
 119 100
 134 25.7 20.6 30.8
 91 32.3 25.3 37.9

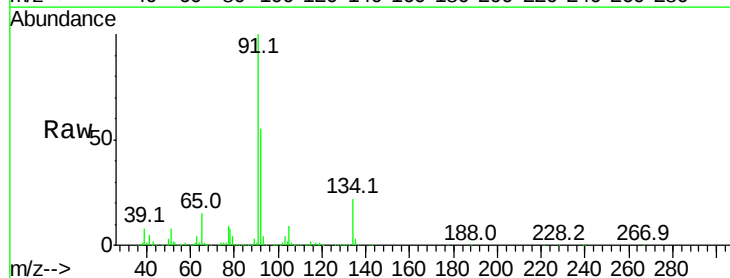


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

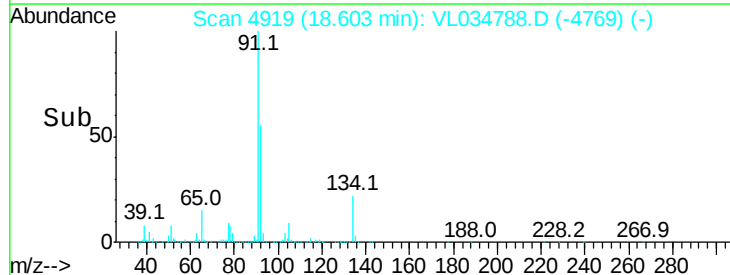
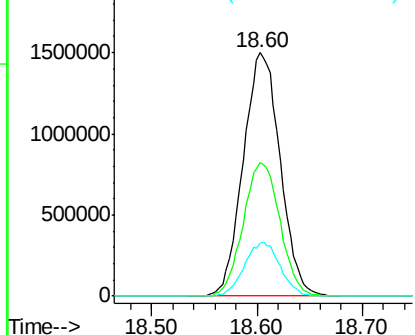


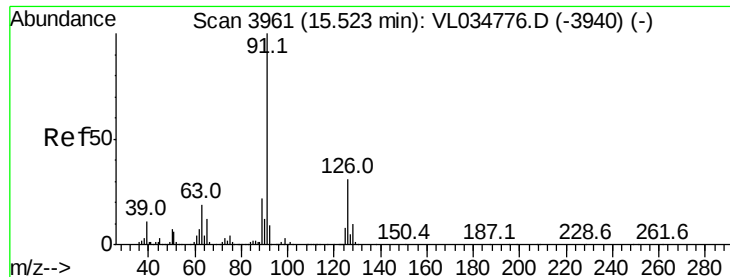
#70
 n-Butylbenzene
 Concen: 7.517 ppbv
 RT: 18.60 min Scan# 4919
 Delta R.T. -0.02 min
 Lab File: VL034788.D
 Acq: 4 Mar 2020 14:39

Tgt Ion: 91 Resp: 3650606
 Ion Ratio Lower Upper
 91 100
 92 54.7 44.0 66.0
 134 21.6 17.7 26.5



Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 92.10 (91.80 to 92.80): VL0
 Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 7.535 ppbv

RT: 15.51 min Scan# 3956

Delta R.T. -0.02 min

Lab File: VL034788.D

Acq: 4 Mar 2020 14:39

Instrument :

MSVOA_L

ClientSampleId :

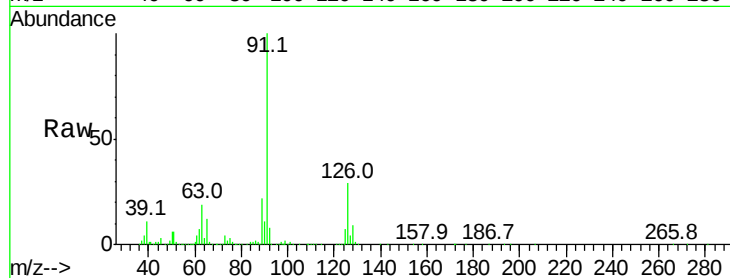
VSTDCCC010EC

Tgt Ion: 91 Resp: 2536333

Ion Ratio Lower Upper

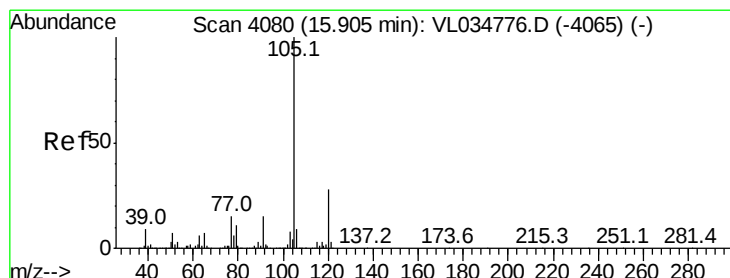
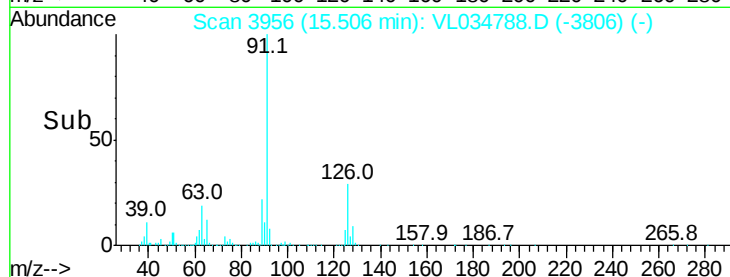
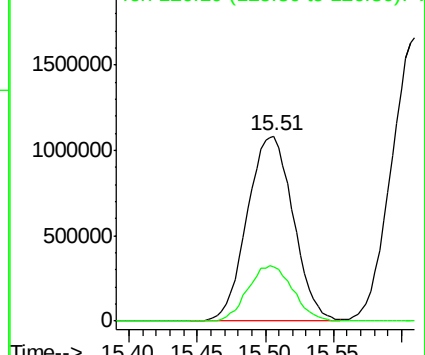
91 100

126 29.4 11.7 46.7



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 7.820 ppbv

RT: 15.89 min Scan# 4075

Delta R.T. -0.02 min

Lab File: VL034788.D

Acq: 4 Mar 2020 14:39

Tgt Ion: 105 Resp: 2636832

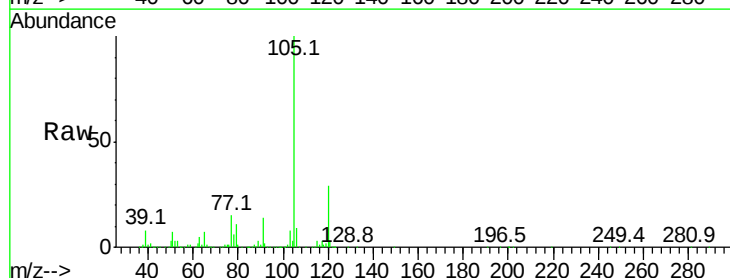
Ion Ratio Lower Upper

105 100

120 28.3 23.0 34.6

91 13.5 11.1 16.7

77 15.2 12.2 18.4

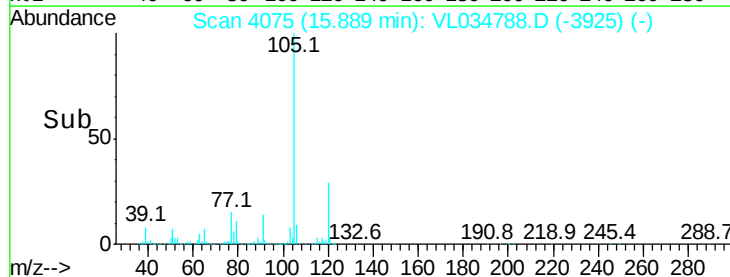
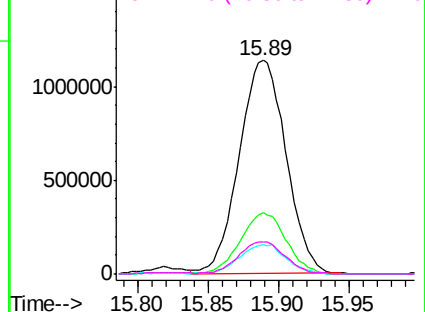


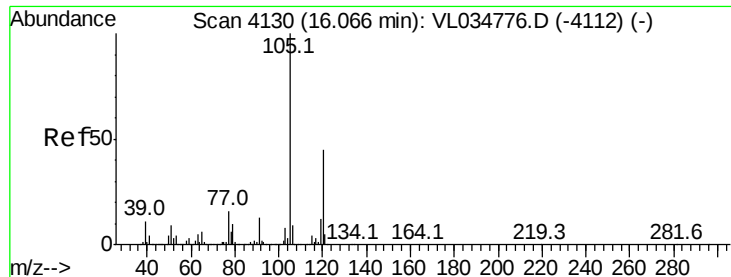
Abundance Ion 105.10 (104.80 to 105.80): V

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





#73

1,3,5-Trimethylbenzene

Concen: 7.660 ppbv

RT: 16.05 min Scan# 4124

Delta R.T. -0.02 min

Lab File: VL034788.D

Acq: 4 Mar 2020 14:39

Instrument :

MSVOA_L

ClientSampleId :

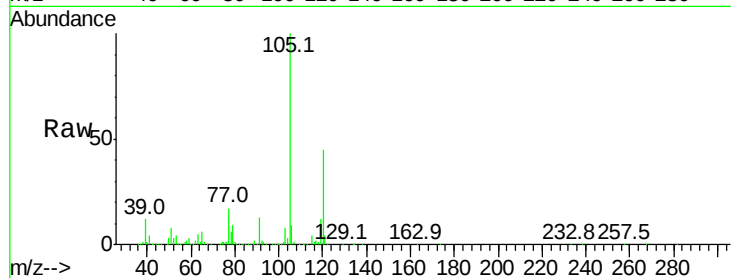
VSTDCCC010EC

Tgt Ion:105 Resp: 2477356

Ion Ratio Lower Upper

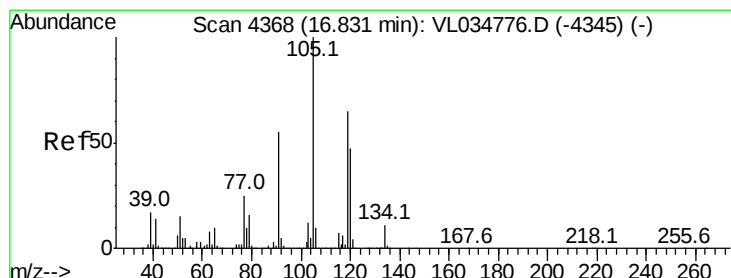
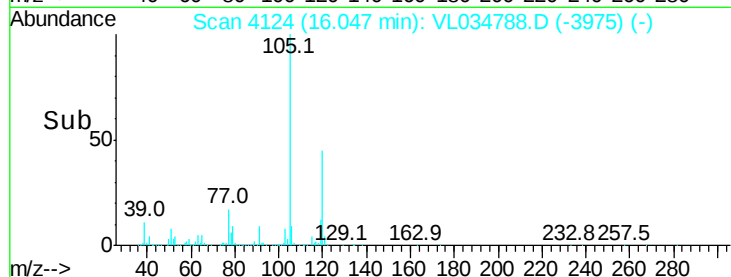
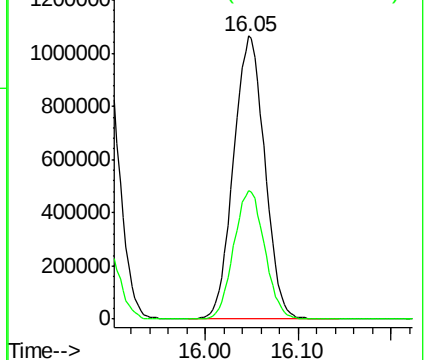
105 100

120 45.3 35.6 53.4



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: 7.364 ppbv

RT: 16.82 min Scan# 4363

Delta R.T. -0.02 min

Lab File: VL034788.D

Acq: 4 Mar 2020 14:39

Tgt Ion:105 Resp: 2589094

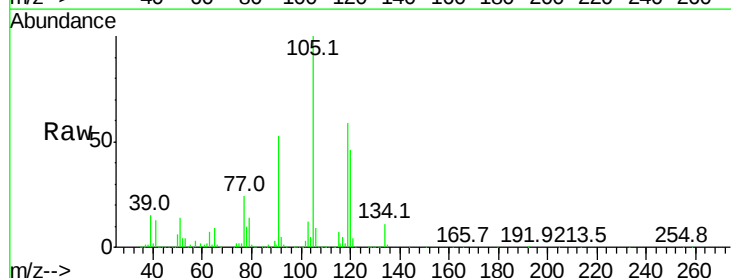
Ion Ratio Lower Upper

105 100

120 46.0 37.8 56.6

91 52.9 43.8 65.8

77 23.7 19.9 29.9

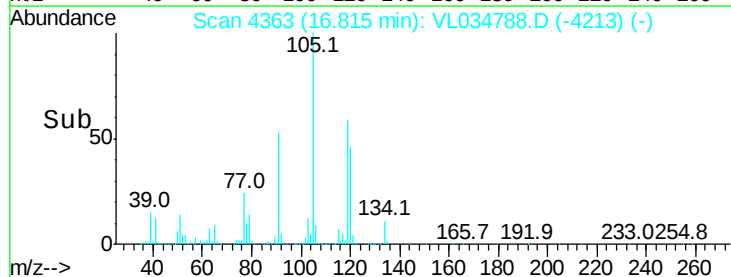
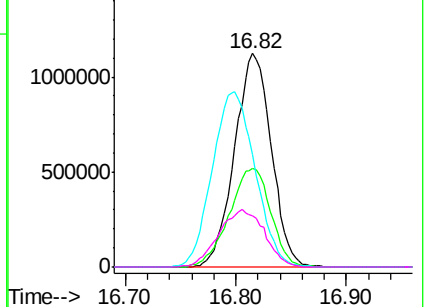


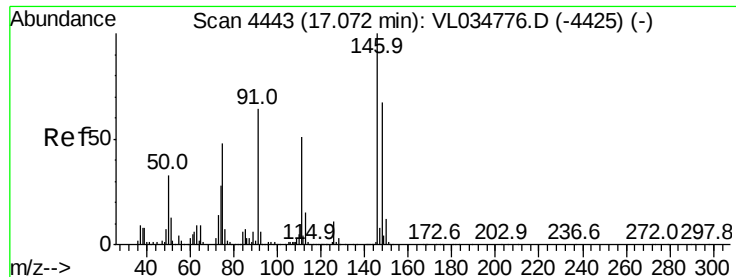
Abundance Ion 105.10 (104.80 to 105.80): V

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: 7.138 ppbv

RT: 17.05 min Scan# 4437

Delta R.T. -0.02 min

Lab File: VL034788.D

Acq: 4 Mar 2020 14:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

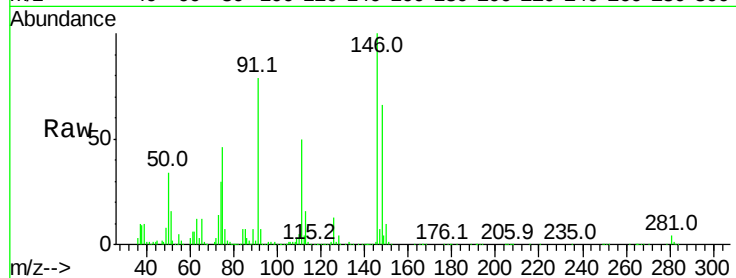
Tgt Ion:146 Resp: 1485606

Ion Ratio Lower Upper

146 100

111 49.0 24.7 74.1

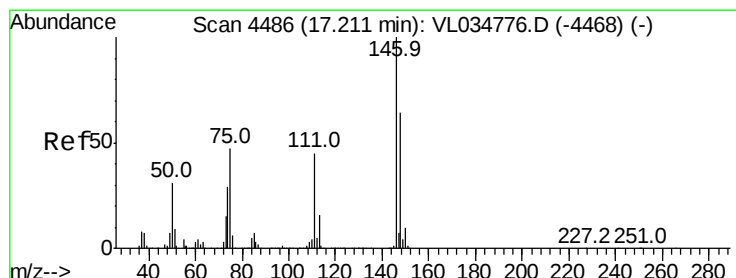
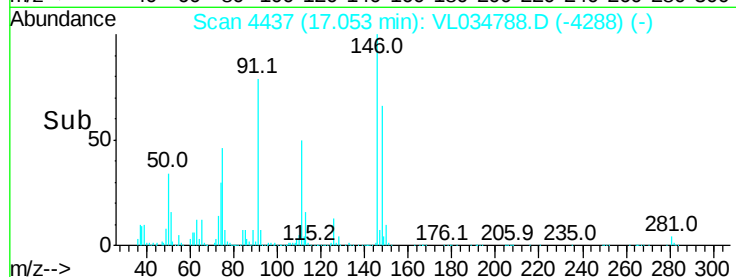
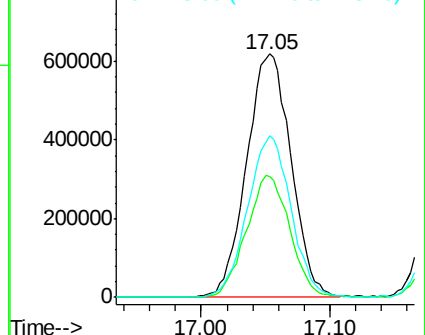
148 64.8 31.8 95.4



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: 7.424 ppbv

RT: 17.19 min Scan# 4481

Delta R.T. -0.02 min

Lab File: VL034788.D

Acq: 4 Mar 2020 14:39

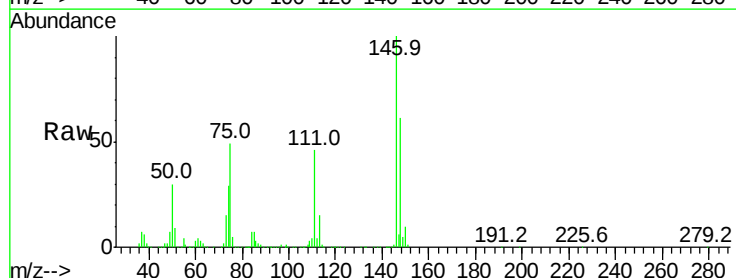
Tgt Ion:146 Resp: 1478541

Ion Ratio Lower Upper

146 100

111 47.6 23.5 70.5

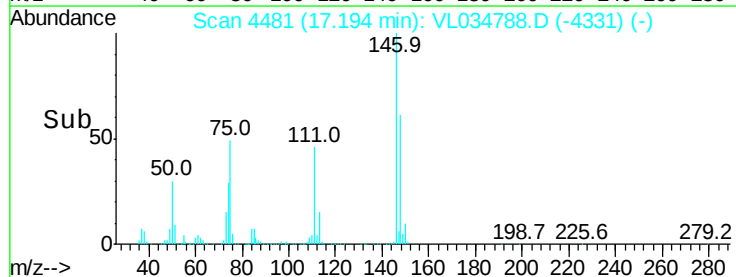
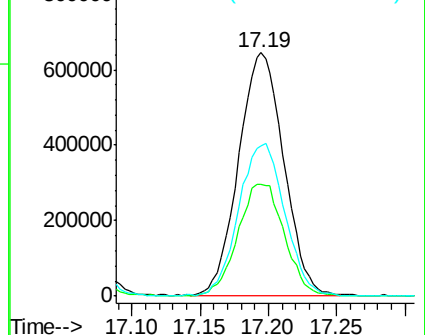
148 64.5 32.2 96.6

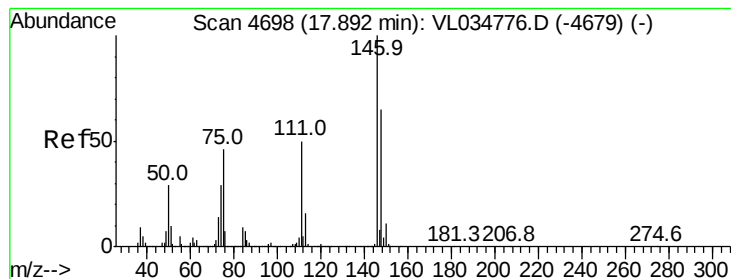


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 7.387 ppbv

RT: 17.88 min Scan# 4693

Delta R.T. -0.02 min

Lab File: VL034788.D

Acq: 4 Mar 2020 14:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

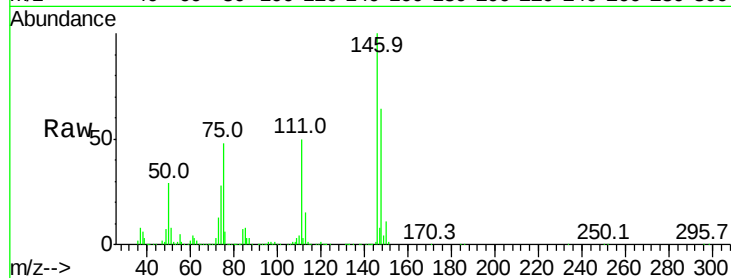
Tgt Ion:146 Resp: 1470762

Ion Ratio Lower Upper

146 100

111 49.8 25.3 75.8

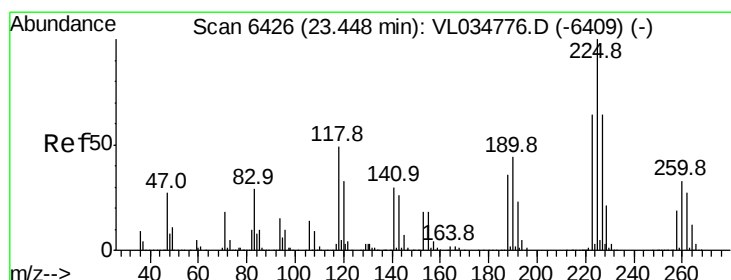
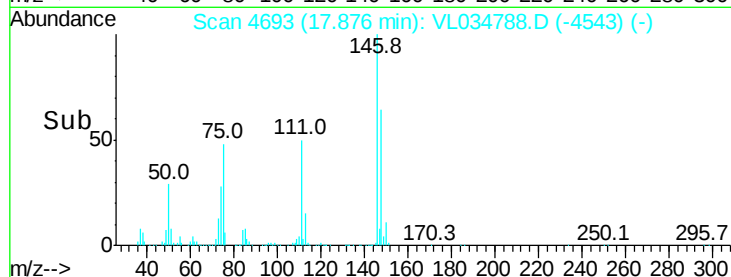
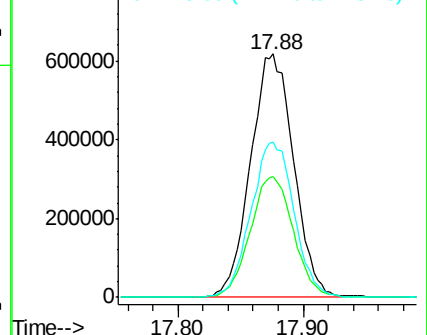
148 63.8 32.3 96.9



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: 7.774 ppbv

RT: 23.44 min Scan# 6423

Delta R.T. -0.01 min

Lab File: VL034788.D

Acq: 4 Mar 2020 14:39

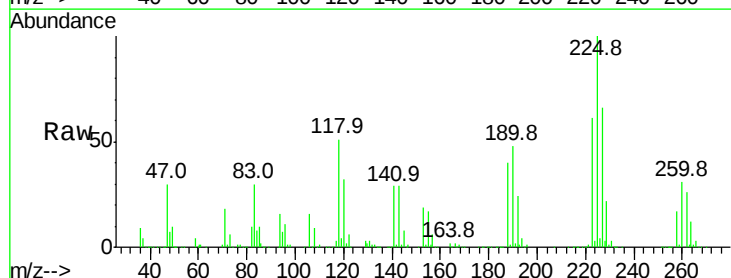
Tgt Ion:225 Resp: 1291621

Ion Ratio Lower Upper

225 100

223 62.5 51.3 76.9

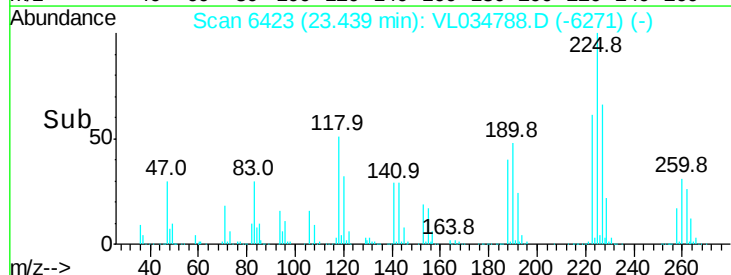
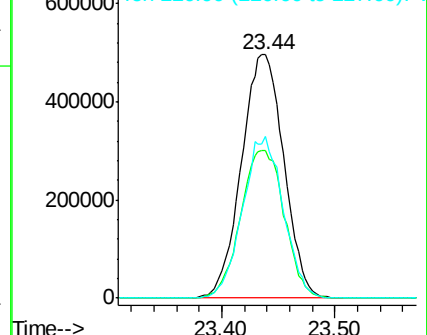
227 63.7 51.9 77.9

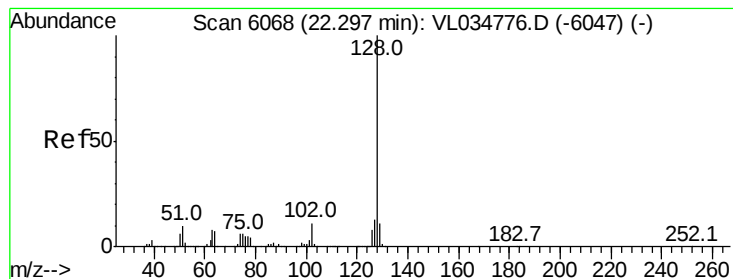


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 9.724 ppbv

RT: 22.28 min Scan# 6062

Delta R.T. -0.02 min

Lab File: VL034788.D

Acq: 4 Mar 2020 14:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

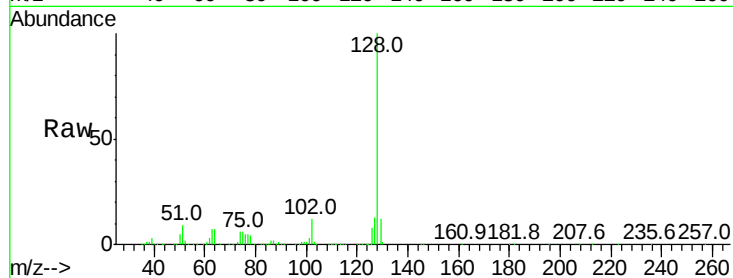
Tgt Ion:128 Resp: 2569299

Ion Ratio Lower Upper

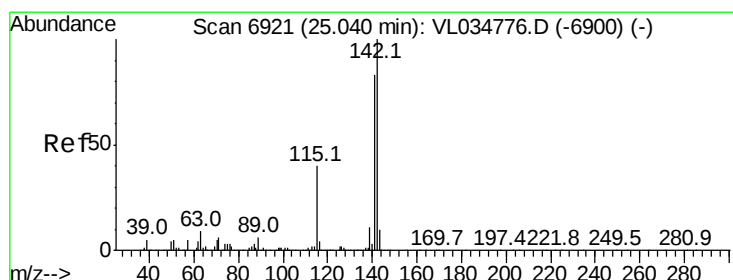
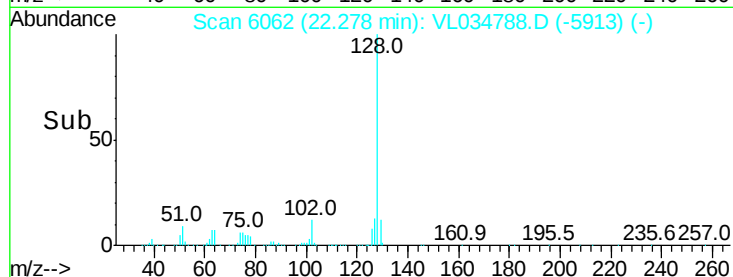
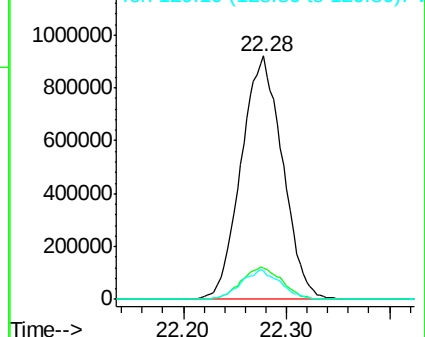
128 100

127 12.6 10.2 15.4

129 11.8 9.0 13.6



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: 18.141 ppbv

RT: 25.03 min Scan# 6917

Delta R.T. -0.01 min

Lab File: VL034788.D

Acq: 4 Mar 2020 14:39

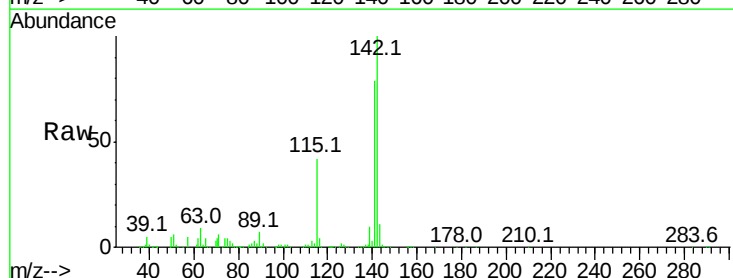
Tgt Ion:142 Resp: 1144779

Ion Ratio Lower Upper

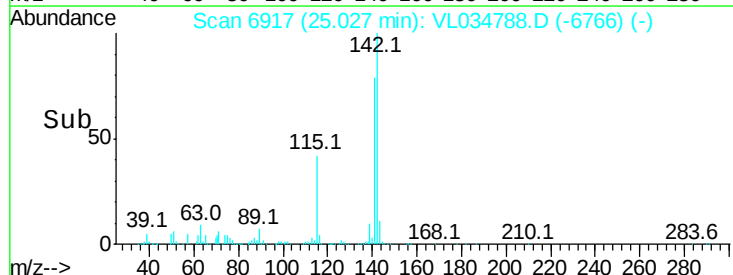
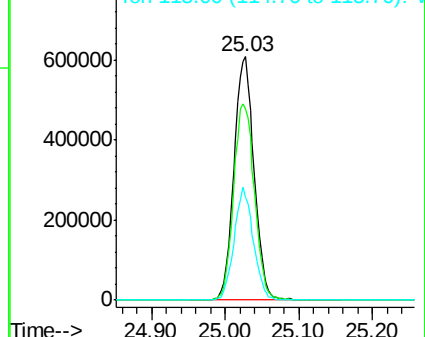
142 100

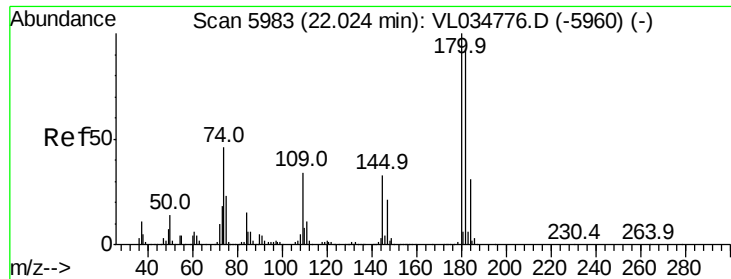
141 84.1 67.7 101.5

115 44.2 30.7 46.1



Abundance Ion 142.00 (141.70 to 142.70): V
Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V

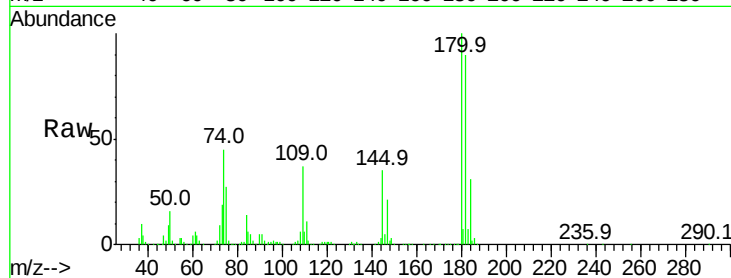




#81
 1,2,4-Trichlorobenzene
 Concen: 8.804 ppbv
 RT: 22.00 min Scan# 5976
 Delta R.T. -0.02 min
 Lab File: VL034788.D
 Acq: 4 Mar 2020 14:39

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion:180 Resp: 1470526
 Ion Ratio Lower Upper
 180 100
 182 96.5 76.8 115.2
 184 31.4 24.8 37.2



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

