

Data File : VL034785.D
Acq On : 4 Mar 2020 7:52
Operator : SY/AP
Sample : VL0304ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0304ABS01

Quant Time: Mar 04 14:36:02 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	1041541	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2174317	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.13	117	2381193	10.00	ppbv	-0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.46	95	1898403	9.56	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.60%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.02	85	1307133	7.690	ppbv	99
3) Chlorodifluoromethane	2.96	51	1047932	8.831	ppbv	98
4) Chloromethane	3.11	50	574741	8.992	ppbv	97
5) Vinyl Chloride	3.23	62	568748	8.423	ppbv	99
6) Bromomethane	3.45	94	345356	9.372	ppbv	98
7) Chloroethane	3.53	64	217165	9.302	ppbv	99
8) Dichlorotetrafluoroethane	3.16	85	1341689	9.086	ppbv	99
9) Propene	2.98	41	414230	8.869	ppbv	100
10) Heptane	8.14	43	1177519	9.920	ppbv	99
11) Trichlorofluoromethane	3.93	101	1413819	9.296	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.47	101	959092	9.139	ppbv	98
13) Ethanol	3.58	45	119145	7.445	ppbv	98
14) Bromoethene	3.72	108	424855	9.866	ppbv	100
15) Acetone	3.83	43	1106544	8.872	ppbv	99
16) 1,3-Butadiene	3.30	39	545739	9.671	ppbv	100
17) tert-Butyl alcohol	4.28	59	945707	9.616	ppbv	99
18) 1,1-Dichloroethene	4.27	96	443433	9.581	ppbv	94
19) Isopropyl Alcohol	3.95	45	762684	10.206	ppbv #	98
20) Methylene Chloride	4.33	84	397831	8.937	ppbv	95
21) Allyl Chloride	4.40	41	777618	9.845	ppbv	99
22) trans-1,2-Dichloroethene	4.88	96	440286	9.745	ppbv	99
23) Vinyl Acetate	5.07	43	1646516	9.845	ppbv	98
24) 1,1-Dichloroethane	5.01	63	1187414	9.147	ppbv	100
25) Ethyl Acetate	5.68	43	2018068	9.363	ppbv	99
26) Hexane	5.69	57	893182	9.486	ppbv	98
27) Carbon Disulfide	4.54	76	1183016	10.755	ppbv	100
28) Methyl tert-Butyl Ether	5.03	73	1282244	9.149	ppbv	100
29) Chloroform	5.76	83	1463240	9.232	ppbv	98
30) Cyclohexane	7.15	84	733389	10.181	ppbv	99
31) cis-1,2-Dichloroethene	5.55	61	953105	9.869	ppbv	96
32) 1,1,1-Trichloroethane	6.52	97	1397353	8.922	ppbv	98
34) 2-Butanone	5.24	43	1330486	9.406	ppbv	100
35) Carbon Tetrachloride	7.03	117	1481868	9.032	ppbv	100
36) Benzene	6.91	78	1770407	9.529	ppbv	99
37) 1,2-Dichloroethane	6.32	62	1225142	9.654	ppbv	99
38) Trichloroethene	7.86	130	682994	9.432	ppbv	96
39) 1,2-Dichloropropane	7.64	63	716826	9.560	ppbv	95
40) 1,4-Dioxane	7.85	88	279799	10.789	ppbv #	91
41) Tetrahydrofuran	6.05	42	715803	9.918	ppbv	100
42) Bromodichloromethane	7.82	83	1593015	9.921	ppbv	97
43) Methyl Methacrylate	8.04	69	800313	10.165	ppbv	99

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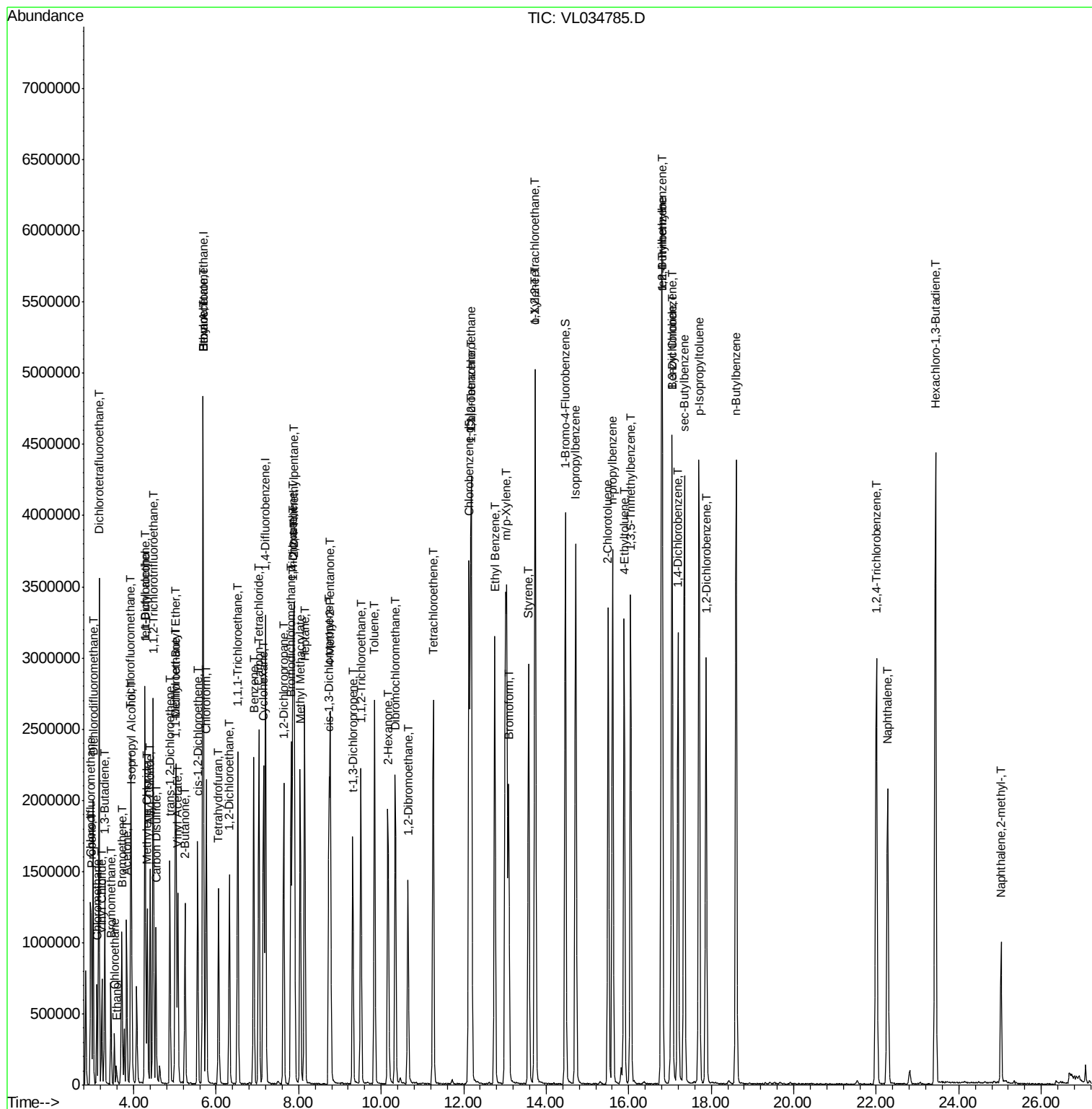
Quant Time: Mar 04 14:36:02 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030420AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 04 06:36:39 2020
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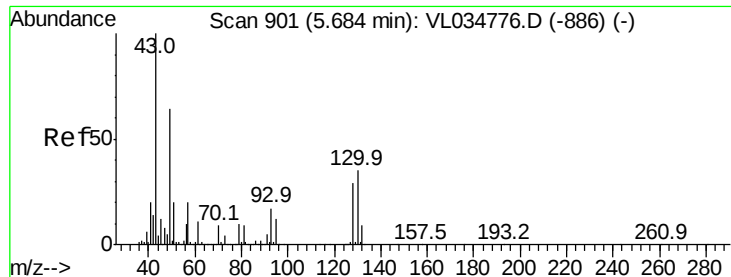
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	3131095	9.643	ppbv	100
45) t-1,3-Dichloropropene	9.31	75	972752	11.769	ppbv	99
46) cis-1,3-Dichloropropene	8.73	75	1135692	11.253	ppbv	99
47) 1,1,2-Trichloroethane	9.51	97	746352	9.428	ppbv	90
48) Dibromochloromethane	10.35	129	1297079	10.478	ppbv	100
49) Bromoform	13.09	173	1155801	10.700	ppbv	99
50) 4-Methyl-2-Pentanone	8.76	43	1991919	9.828	ppbv	100
51) 2-Hexanone	10.16	43	1714343	10.782	ppbv #	99
52) Tetrachloroethene	11.27	164	636007	9.265	ppbv	96
53) Toluene	9.84	91	2040007	10.374	ppbv	100
54) 1,2-Dibromoethane	10.65	107	1157459	9.888	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.17	131	907184	8.598	ppbv #	60
57) Chlorobenzene	12.19	112	786378	4.323	ppbv	99
58) Ethyl Benzene	12.75	91	2797164	9.532	ppbv	97
59) m/p-Xylene	13.04	91	2236960	8.806	ppbv #	27
60) o-Xylene	13.74	91	2326302	9.051	ppbv	100
61) Styrene	13.57	104	1642659	10.303	ppbv	99
62) Isopropylbenzene	14.71	105	3258337	8.614	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.73	83	1699722	8.389	ppbv	99
64) n-propylbenzene	15.62	120	842843	8.887	ppbv	96
65) tert-Butylbenzene	16.80	119	1572447	4.919	ppbv #	30
66) Benzyl Chloride	17.04	91	1363798	13.196	ppbv	99
67) sec-Butylbenzene	17.35	105	4071748	8.741	ppbv	99
69) p-Isopropyltoluene	17.71	119	3355471	8.901	ppbv	99
70) n-Butylbenzene	18.60	91	3640385	8.832	ppbv	99
71) 2-Chlorotoluene	15.51	91	2587049	9.055	ppbv	99
72) 4-Ethyltoluene	15.89	105	2712111	9.478	ppbv	99
73) 1,3,5-Trimethylbenzene	16.05	105	2569622	9.362	ppbv	100
74) 1,2,4-Trimethylbenzene	16.82	105	2668648	8.943	ppbv	96
75) 1,3-Dichlorobenzene	17.05	146	1516579	8.586	ppbv	99
76) 1,4-Dichlorobenzene	17.20	146	1520134	8.994	ppbv	99
77) 1,2-Dichlorobenzene	17.88	146	1485758	8.793	ppbv	99
78) Hexachloro-1,3-Butadiene	23.44	225	1173312	8.320	ppbv	99
79) Naphthalene	22.27	128	2520295	11.239	ppbv	98
80) Naphthalene,2-methyl-	25.02	142	564978	10.549	ppbv	99
81) 1,2,4-Trichlorobenzene	22.00	180	1367174	9.645	ppbv	99

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

ALS Vial : 1 Sample Multiplier: 1

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 898

Delta R.T. -0.01 min

Lab File: VL034785.D

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Instrument :

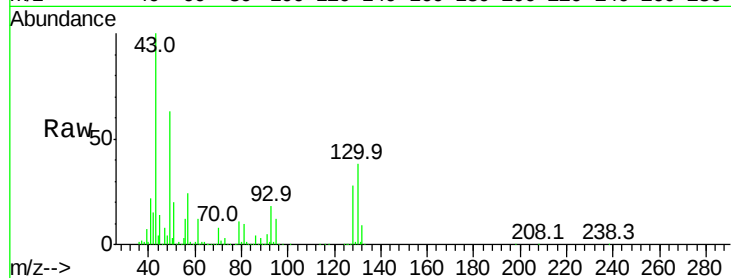
MSVOA_L

ClientSampleId :

VL0304ABS01

Tgt Ion: 49 Resp: 1041541

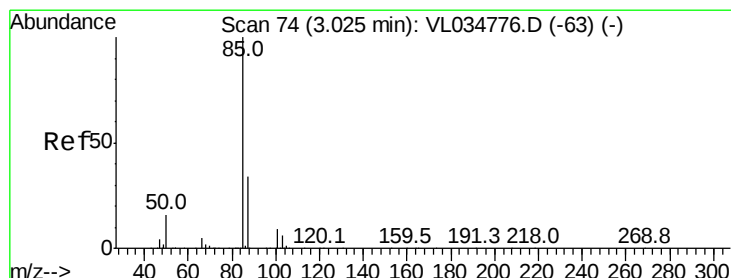
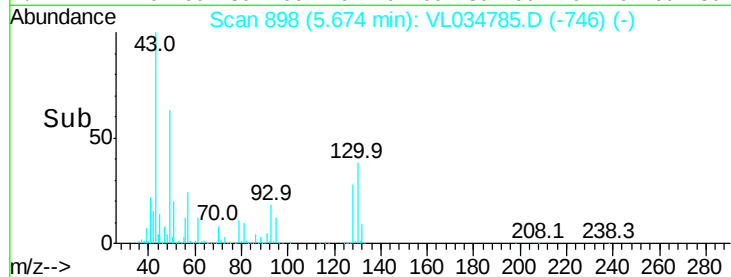
Ion	Ratio	Lower	Upper
49	100		
128	43.4	21.6	64.6
130	56.1	27.4	82.2



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: 7.690 ppbv

RT: 3.02 min Scan# 72

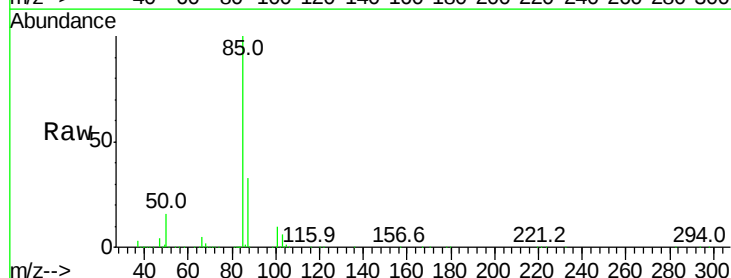
Delta R.T. -0.01 min

Lab File: VL034785.D

Acq: 4 Mar 2020 7:52

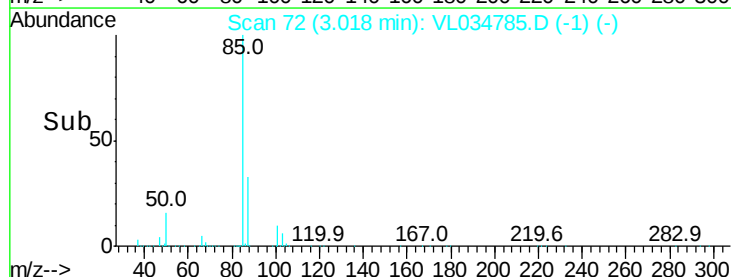
Tgt Ion: 85 Resp: 1307133

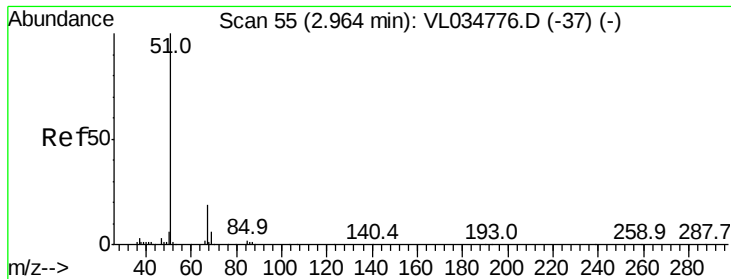
Ion	Ratio	Lower	Upper
85	100		
87	33.2	27.2	40.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 8.831 ppbv

RT: 2.96 min Scan# 53

Delta R.T. -0.01 min

Lab File: VL034785.D

Acq: 4 Mar 2020 7:52

Instrument :

MSVOA_L

ClientSampleId :

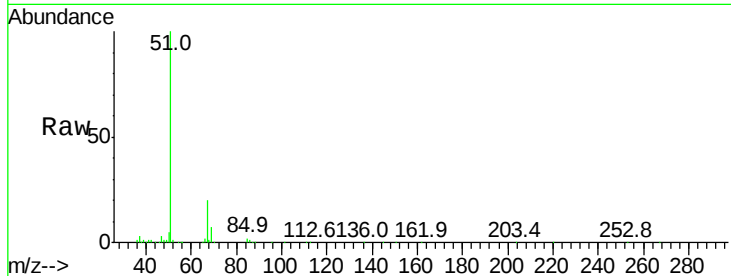
VL0304ABS01

Tgt Ion: 51 Resp: 1047932

Ion Ratio Lower Upper

51 100

67 20.2 15.3 22.9



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

1000000

800000

600000

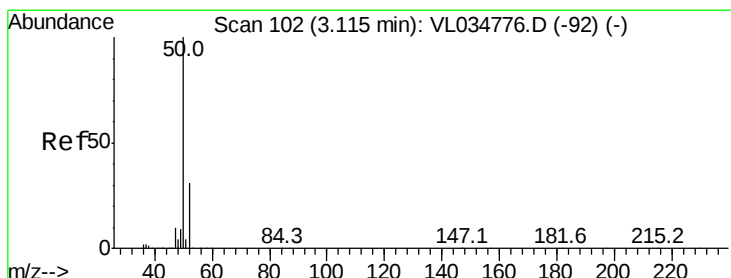
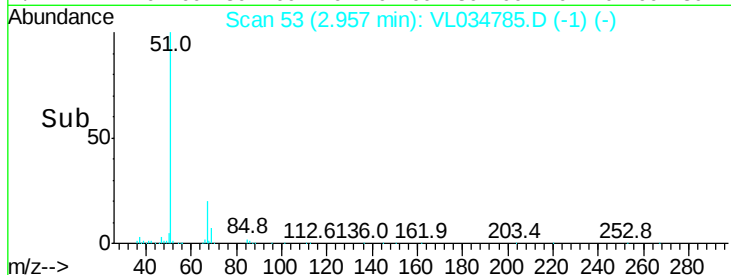
400000

200000

0

2.85 2.90 2.95 3.00

Time-->



#4

Chloromethane

Concen: 8.992 ppbv

RT: 3.11 min Scan# 100

Delta R.T. -0.01 min

Lab File: VL034785.D

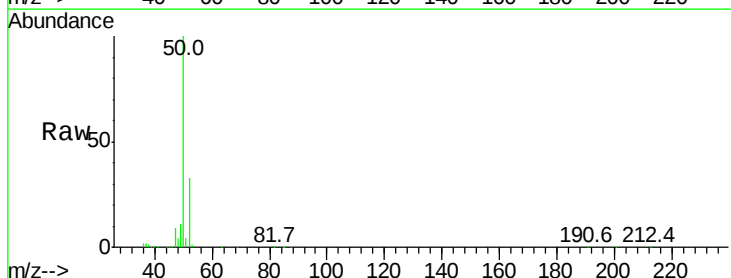
Acq: 4 Mar 2020 7:52

Tgt Ion: 50 Resp: 574741

Ion Ratio Lower Upper

50 100

52 33.0 25.0 37.4



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

500000

400000

300000

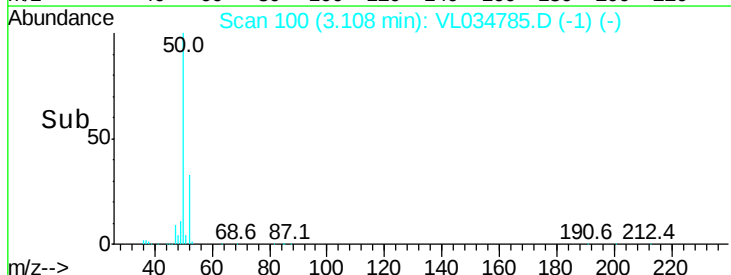
200000

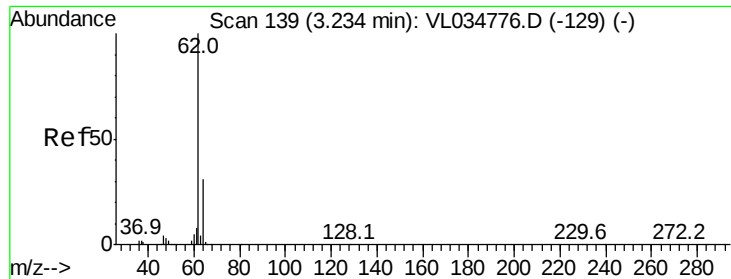
100000

0

3.05 3.10 3.15

Time-->





#5

Vinyl Chloride

Concen: 8.423 ppbv

RT: 3.23 min Scan# 137

Delta R.T. -0.01 min

Lab File: VL034785.D

Acq: 4 Mar 2020 7:52

Instrument :

MSVOA_L

ClientSampleId :

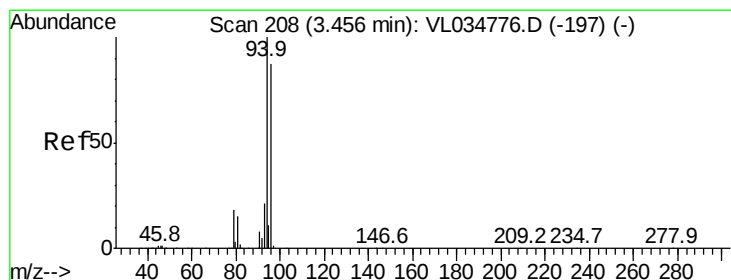
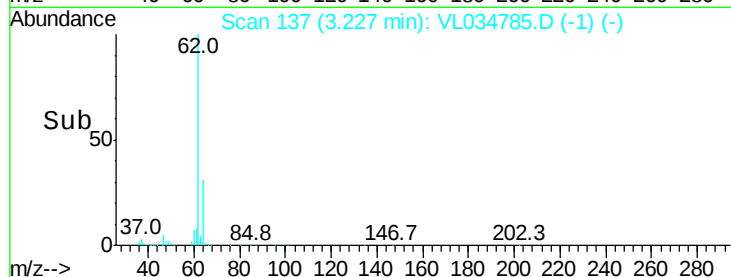
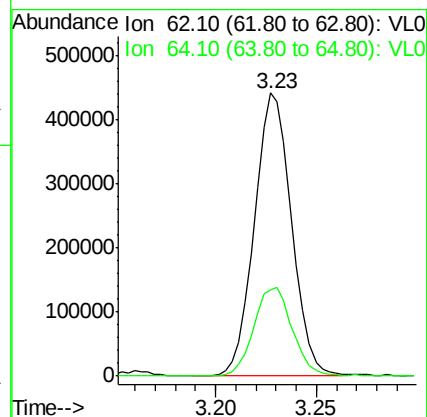
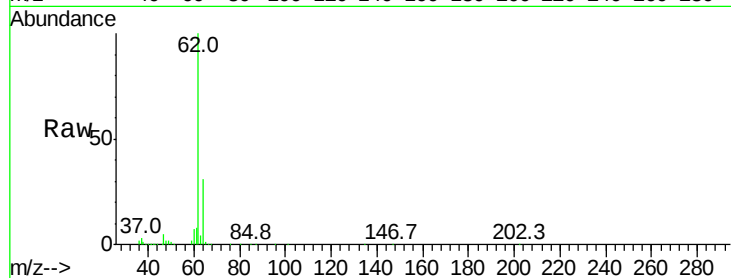
VL0304ABS01

Tgt Ion: 62 Resp: 568748

Ion Ratio Lower Upper

62 100

64 30.6 25.1 37.7



#6

Bromomethane

Concen: 9.372 ppbv

RT: 3.45 min Scan# 205

Delta R.T. -0.01 min

Lab File: VL034785.D

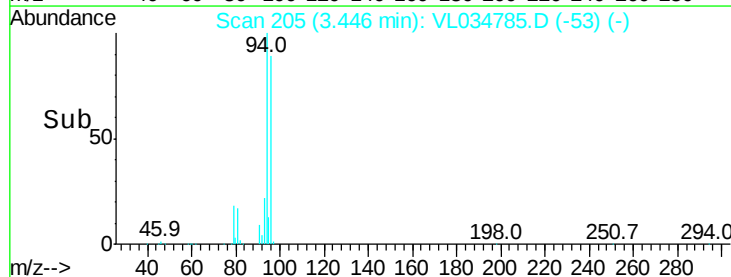
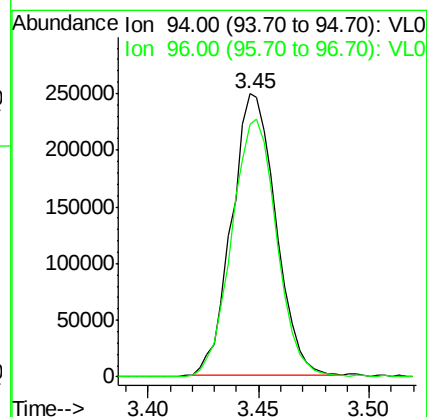
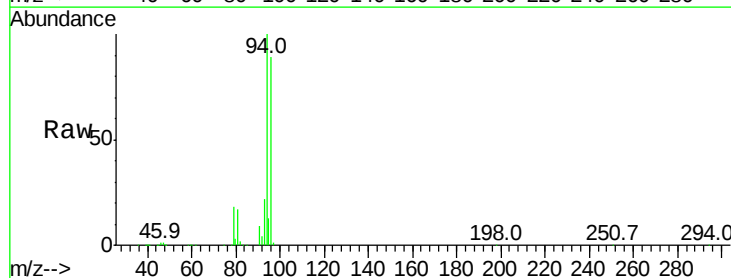
Acq: 4 Mar 2020 7:52

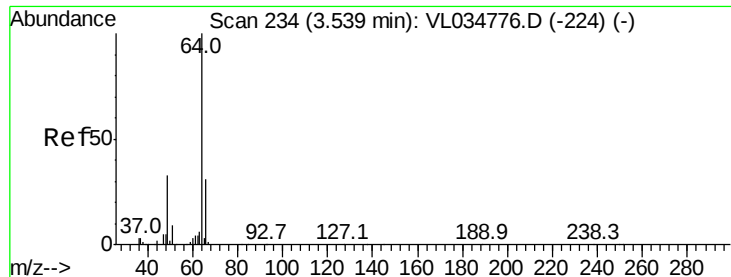
Tgt Ion: 94 Resp: 345356

Ion Ratio Lower Upper

94 100

96 89.2 70.0 105.0





#7

Chloroethane

Concen: 9.302 ppbv

RT: 3.53 min Scan# 232

Delta R.T. -0.01 min

Lab File: VL034785.D

Acq: 4 Mar 2020 7:52

Instrument :

MSVOA_L

ClientSampleId :

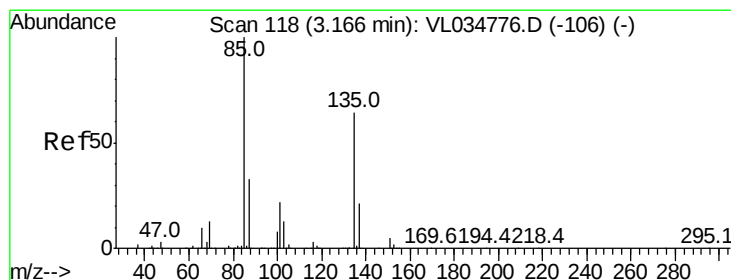
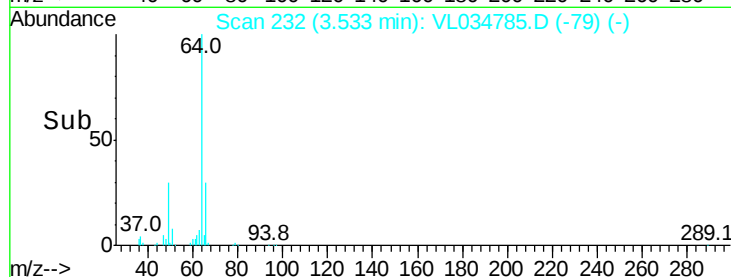
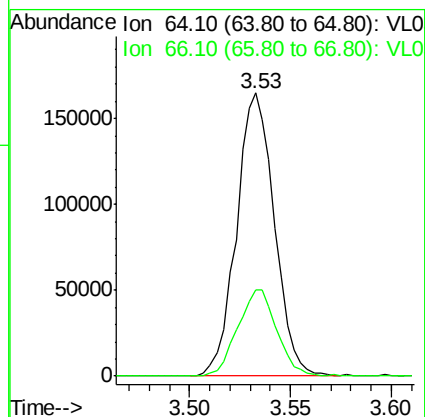
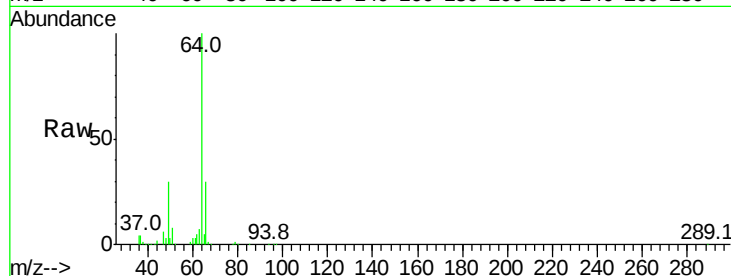
VL0304ABS01

Tgt Ion: 64 Resp: 217165

Ion Ratio Lower Upper

64 100

66 30.4 24.8 37.2



#8

Dichlorotetrafluoroethane

Concen: 9.086 ppbv

RT: 3.16 min Scan# 116

Delta R.T. -0.01 min

Lab File: VL034785.D

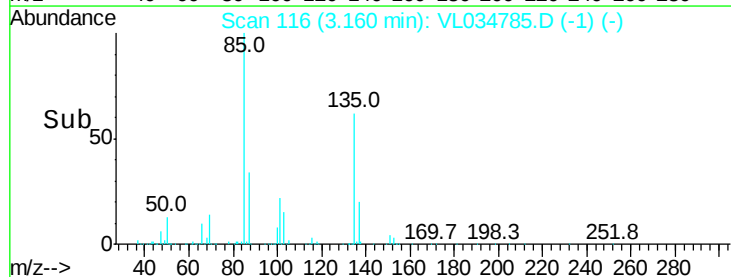
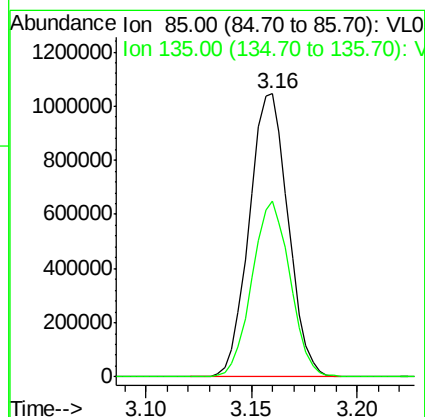
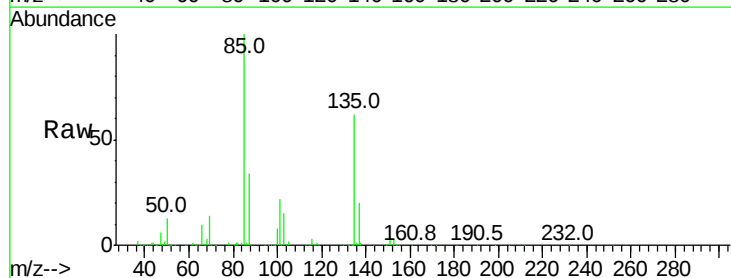
Acq: 4 Mar 2020 7:52

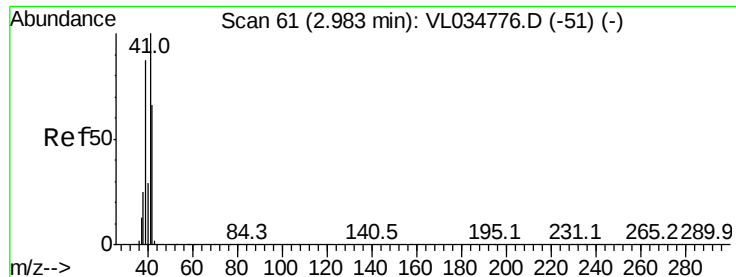
Tgt Ion: 85 Resp: 1341689

Ion Ratio Lower Upper

85 100

135 61.0 49.4 74.2





#9

Propene

Concen: 8.869 ppbv

RT: 2.98 min Scan# 60

Delta R.T. -0.00 min

Lab File: VL034785.D

Acq: 4 Mar 2020 7:52

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ClientSampleId :

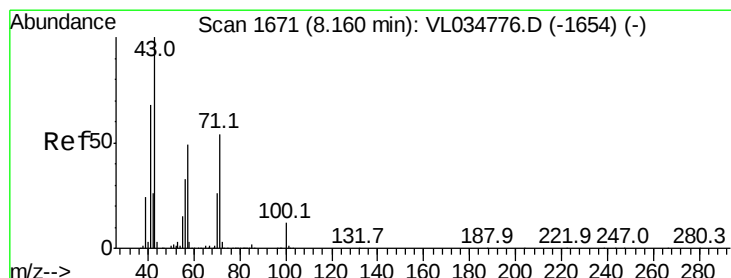
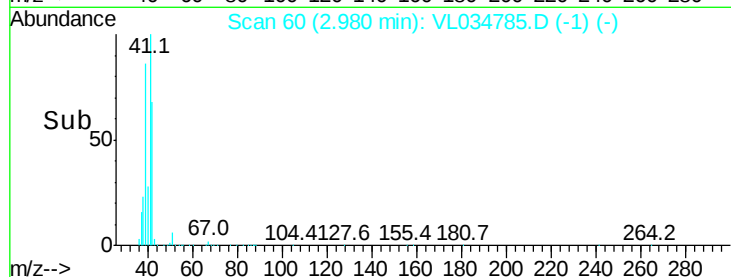
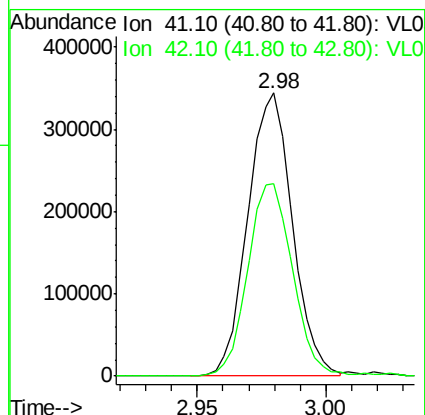
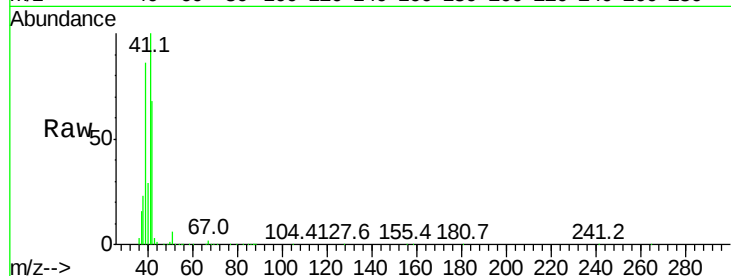
VL0304ABS01

Tgt Ion: 41 Resp: 414230

Ion Ratio Lower Upper

41 100

42 69.6 55.6 83.4



#10

Heptane

Concen: 9.920 ppbv

RT: 8.14 min Scan# 1666

Delta R.T. -0.02 min

Lab File: VL034785.D

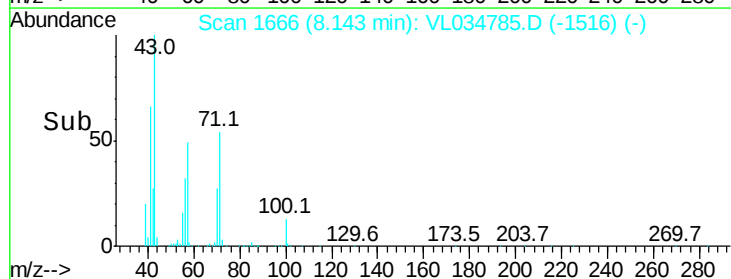
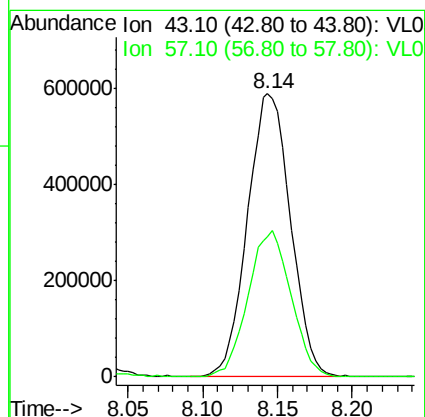
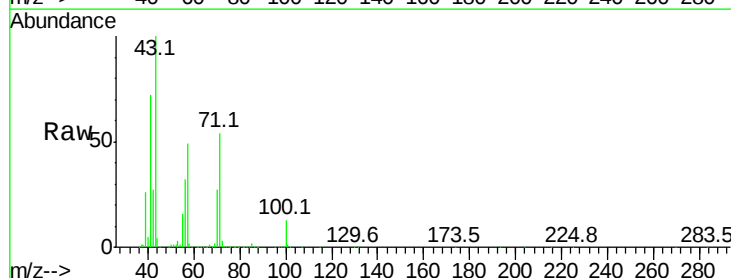
Acq: 4 Mar 2020 7:52

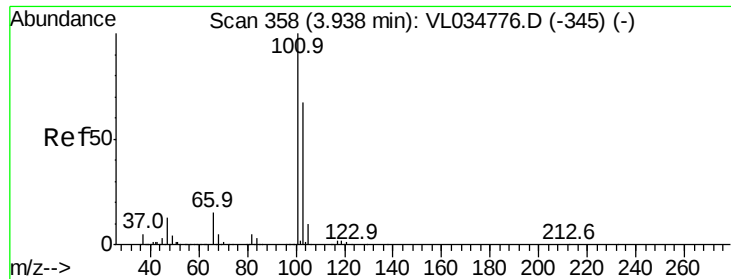
Tgt Ion: 43 Resp: 1177519

Ion Ratio Lower Upper

43 100

57 51.5 40.5 60.7

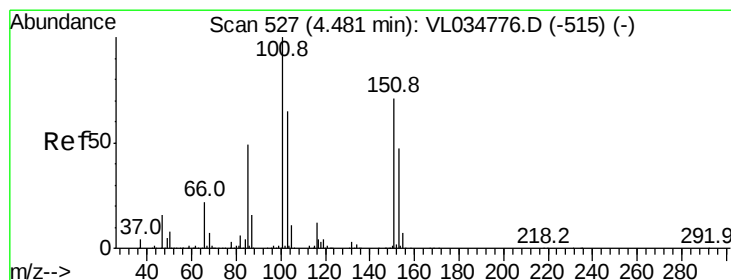
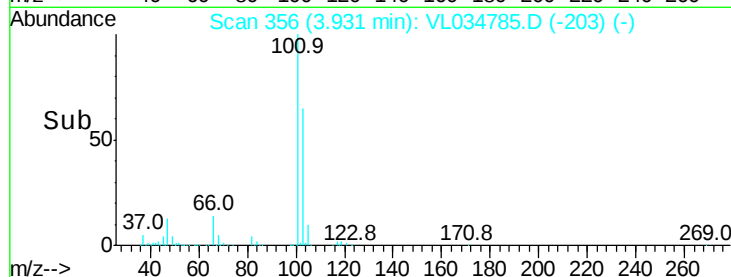
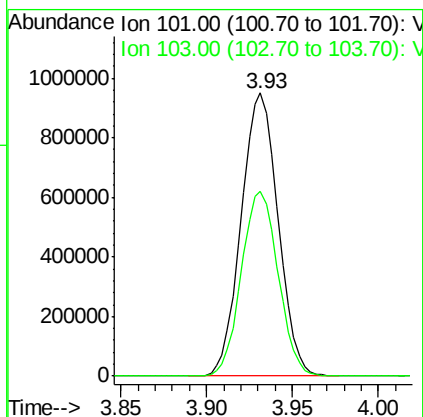
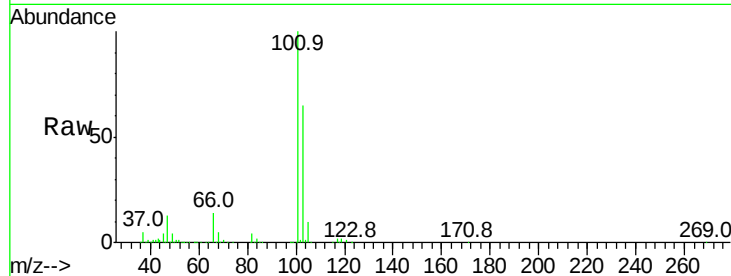




#11
 Trichlorofluoromethane
 Concen: 9.296 ppbv
 RT: 3.93 min Scan# 356
 Delta R.T. -0.01 min
 Lab File: VL034785.D
 Acq: 4 Mar 2020 7:52

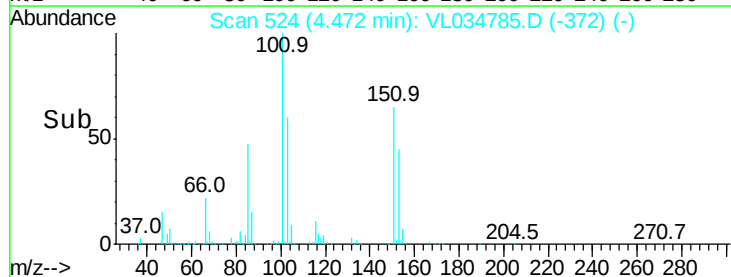
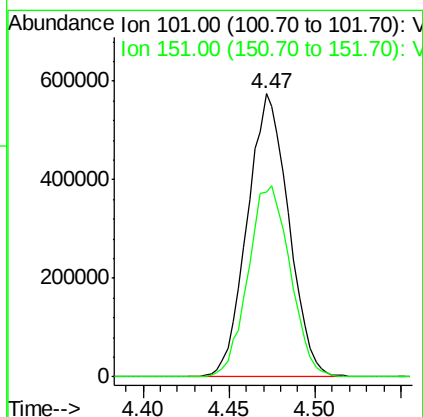
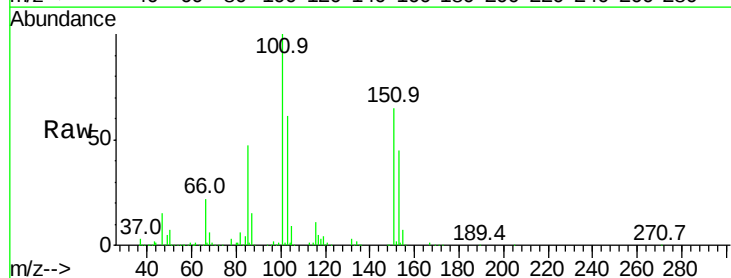
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0304ABS01

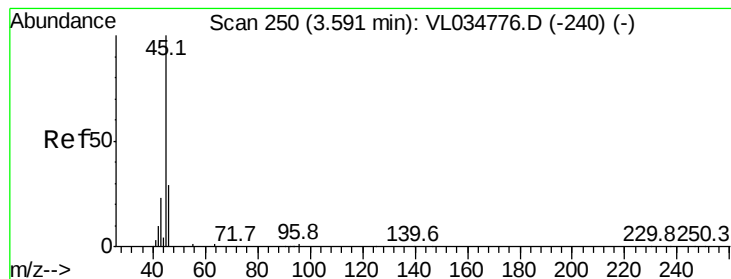
Tgt Ion:101 Resp: 1413819
 Ion Ratio Lower Upper
 101 100
 103 65.5 53.6 80.4



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.139 ppbv
 RT: 4.47 min Scan# 524
 Delta R.T. -0.01 min
 Lab File: VL034785.D
 Acq: 4 Mar 2020 7:52

Tgt Ion:101 Resp: 959092
 Ion Ratio Lower Upper
 101 100
 151 68.8 56.6 85.0





#13

Ethanol

Concen: 7.445 ppbv

RT: 3.58 min Scan# 247

Delta R.T. -0.01 min

Lab File: VL034785.D

Acq: 4 Mar 2020 7:52

Instrument :

MSVOA_L

ClientSampleId :

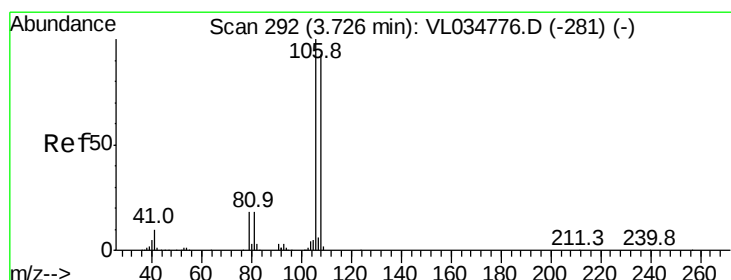
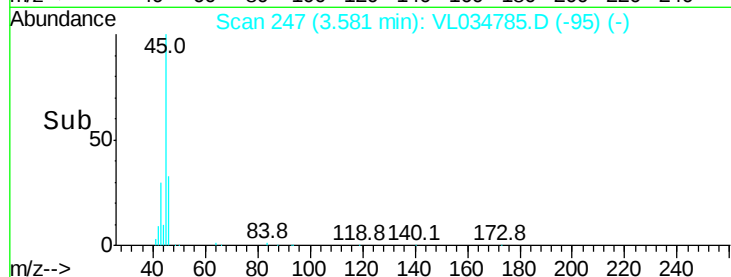
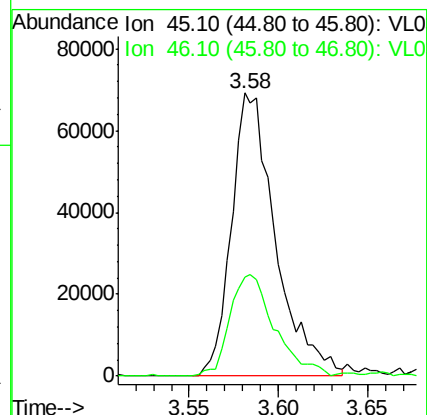
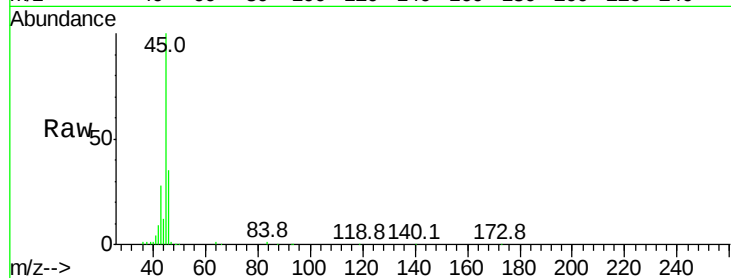
VL0304ABS01

Tgt Ion: 45 Resp: 119145

Ion Ratio Lower Upper

45 100

46 38.1 14.7 58.9



#14

Bromoethene

Concen: 9.866 ppbv

RT: 3.72 min Scan# 290

Delta R.T. -0.01 min

Lab File: VL034785.D

Acq: 4 Mar 2020 7:52

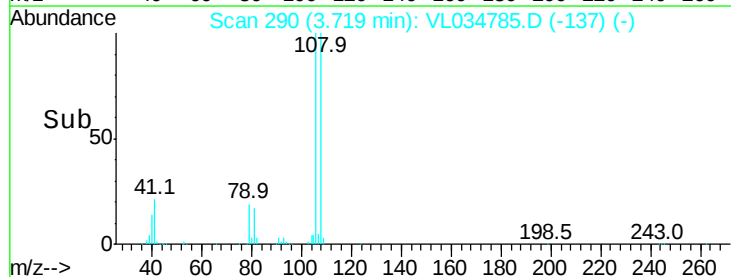
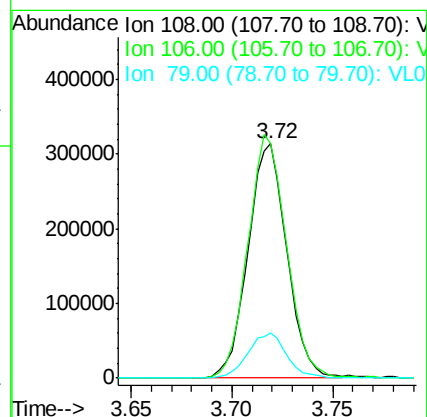
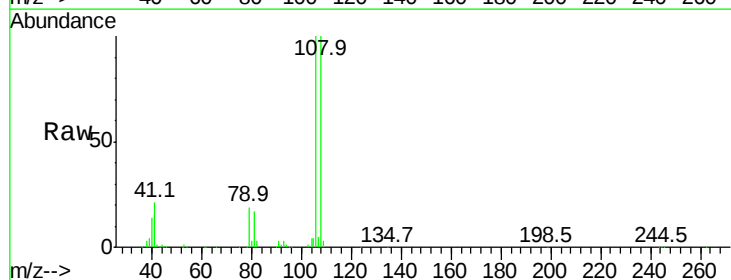
Tgt Ion: 108 Resp: 424855

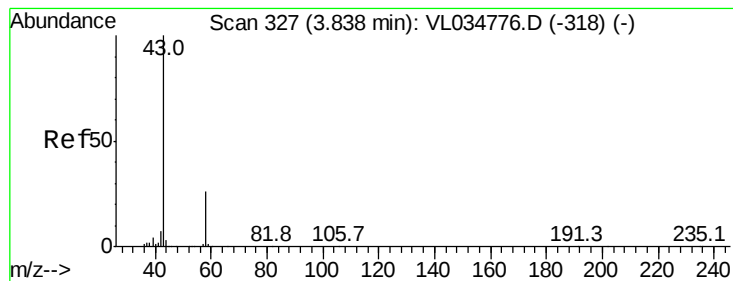
Ion Ratio Lower Upper

108 100

106 104.2 83.5 125.3

79 19.5 15.6 23.4





#15

Acetone

Concen: 8.872 ppbv

RT: 3.83 min Scan# 324

Delta R.T. -0.01 min

Lab File: VL034785.D

Acq: 4 Mar 2020 7:52

Instrument :

MSVOA_L

ClientSampleId :

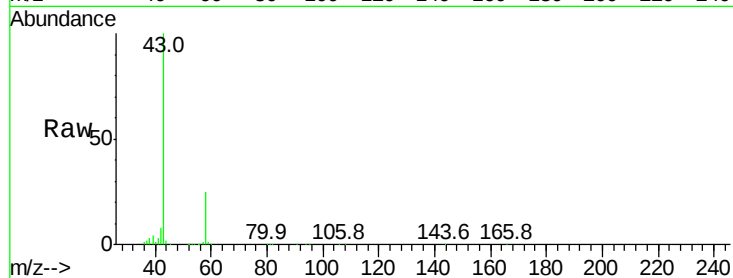
VL0304ABS01

Tgt Ion: 43 Resp: 1106544

Ion Ratio Lower Upper

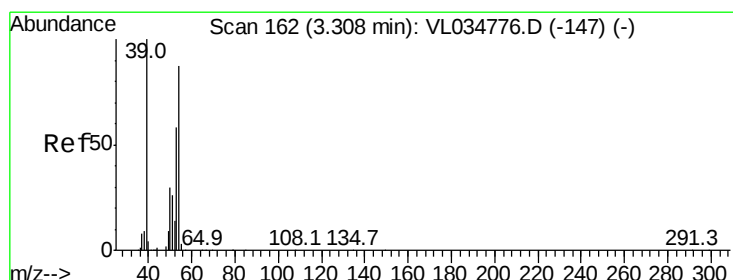
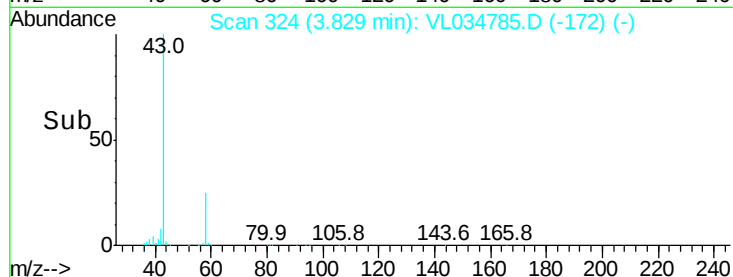
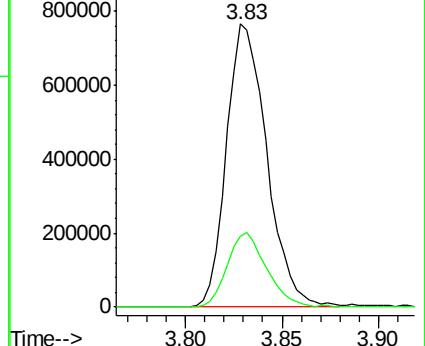
43 100

58 26.0 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: 9.671 ppbv

RT: 3.30 min Scan# 159

Delta R.T. -0.01 min

Lab File: VL034785.D

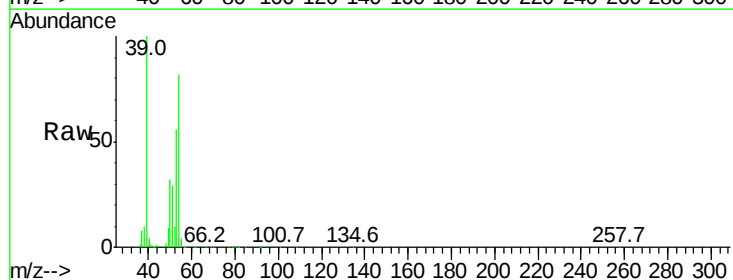
Acq: 4 Mar 2020 7:52

Tgt Ion: 39 Resp: 545739

Ion Ratio Lower Upper

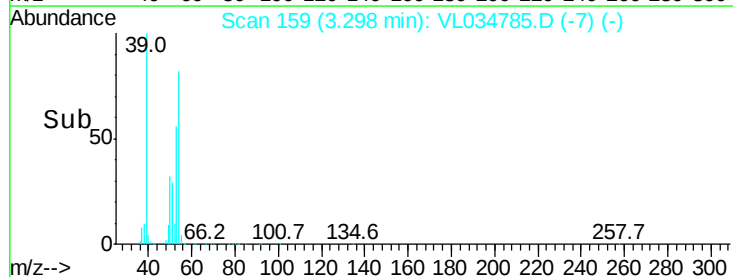
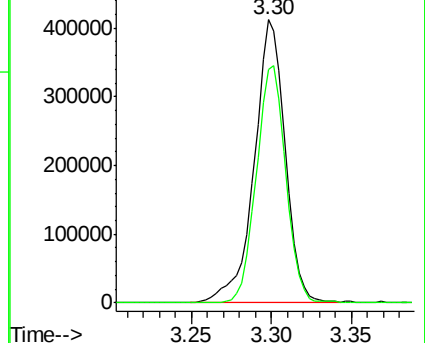
39 100

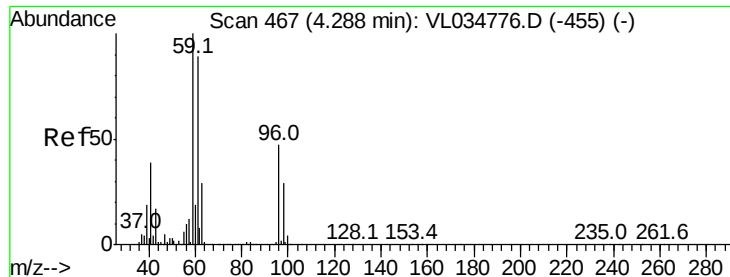
54 79.9 64.2 96.2



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

tert-Butyl alcohol

Concen: 9.616 ppbv

RT: 4.28 min Scan# 464

Delta R.T. -0.01 min

Lab File: VL034785.D

Acq: 4 Mar 2020 7:52

Instrument :

MSVOA_L

ClientSampleId :

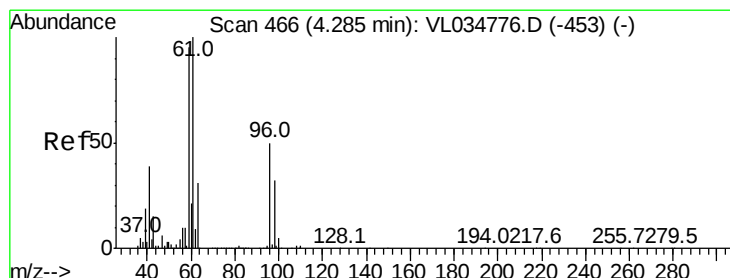
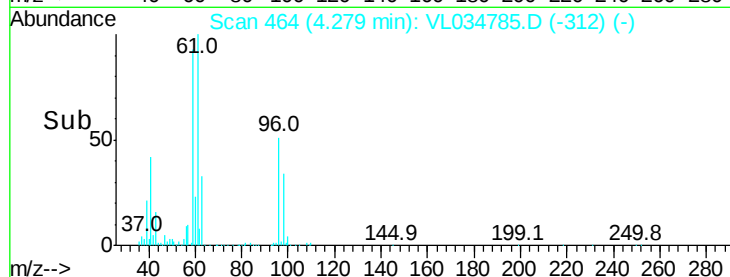
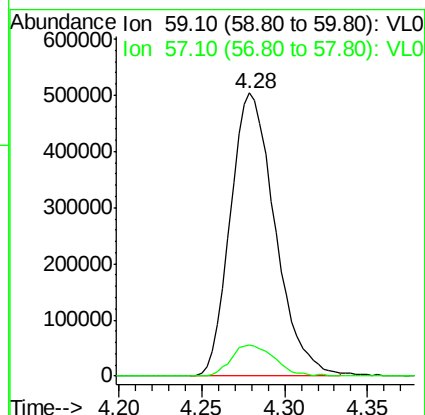
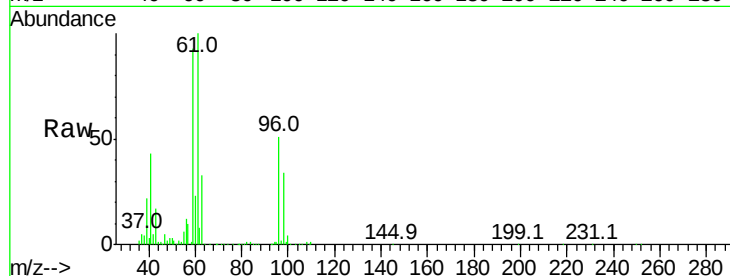
VL0304ABS01

Tgt Ion: 59 Resp: 945707

Ion Ratio Lower Upper

59 100

57 11.1 8.6 13.0



#18

1,1-Dichloroethene

Concen: 9.581 ppbv

RT: 4.27 min Scan# 462

Delta R.T. -0.01 min

Lab File: VL034785.D

Acq: 4 Mar 2020 7:52

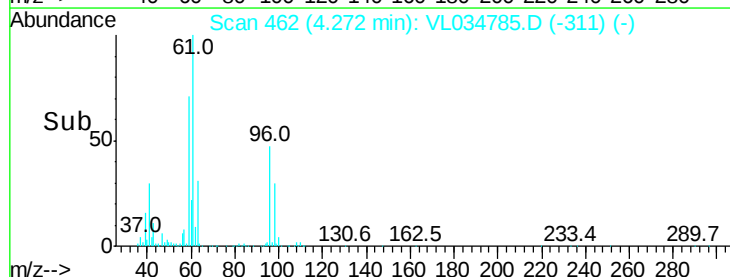
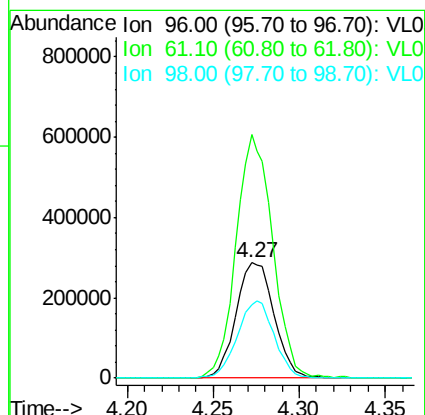
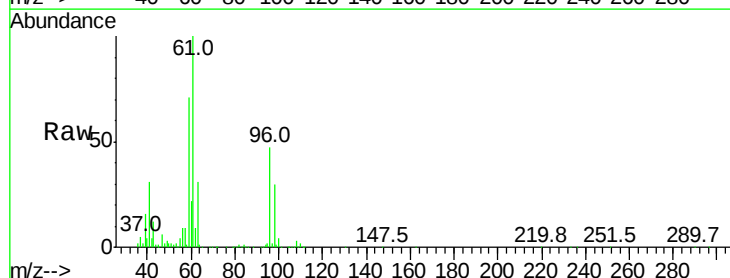
Tgt Ion: 96 Resp: 443433

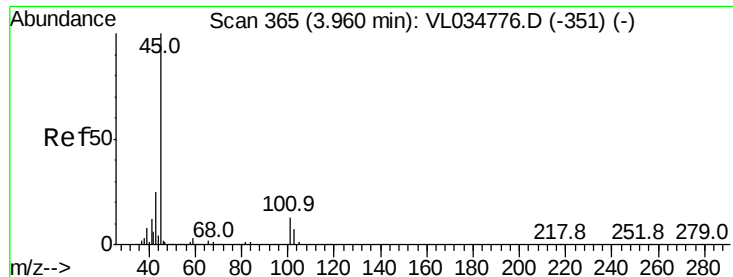
Ion Ratio Lower Upper

96 100

61 211.7 159.5 239.3

98 63.4 51.1 76.7



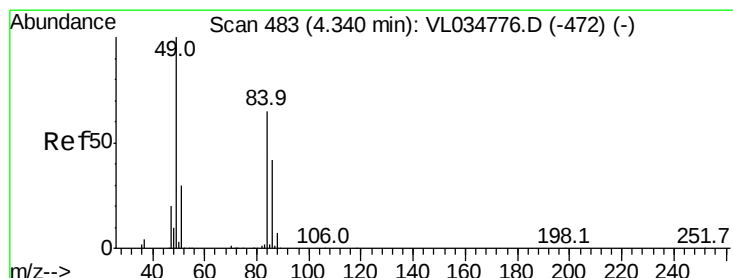
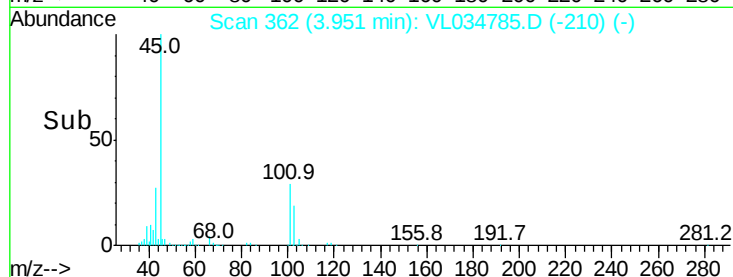
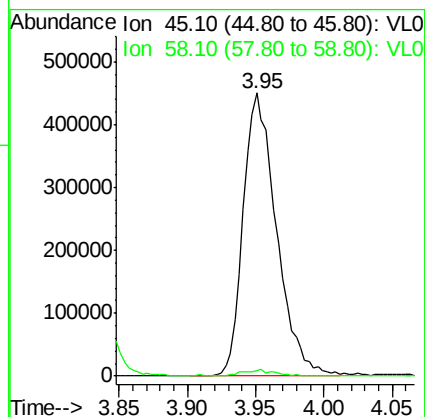
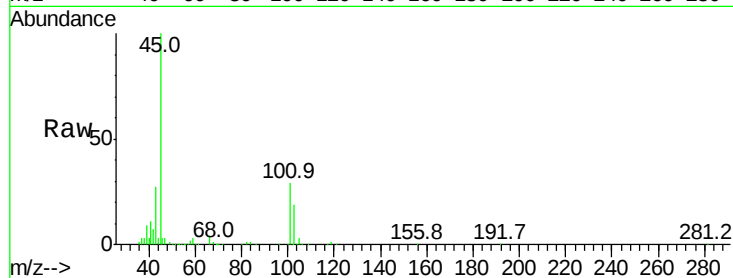


#19

Isopropyl Alcohol
 Concen: 10.206 ppbv
 RT: 3.95 min Scan# 362
 Delta R.T. -0.01 min
 Lab File: VL034785.D
 Acq: 4 Mar 2020 7:52

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0304ABS01

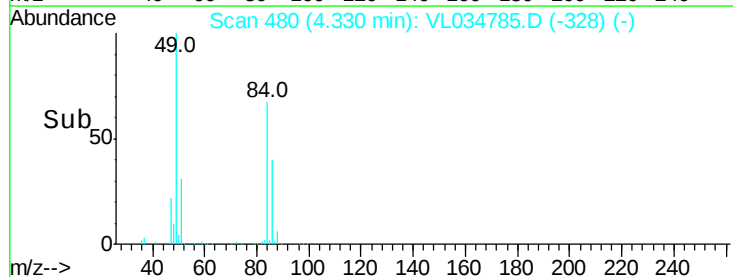
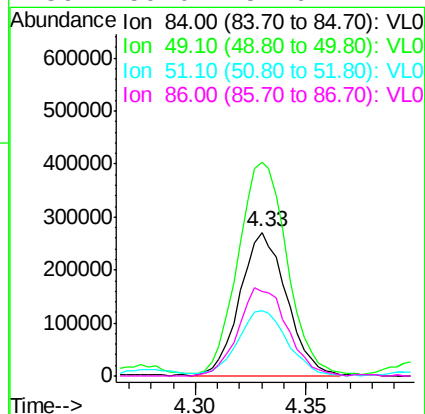
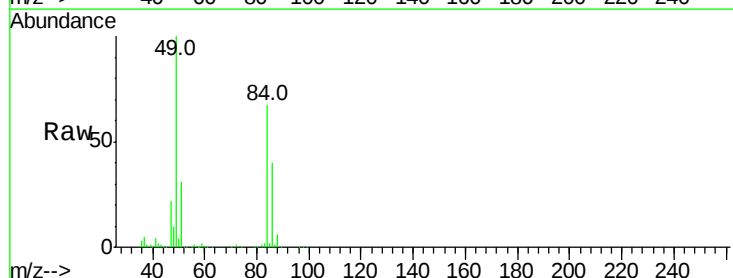
Tgt Ion: 45 Resp: 762684
 Ion Ratio Lower Upper
 45 100
 58 2.8 1.8 2.8#

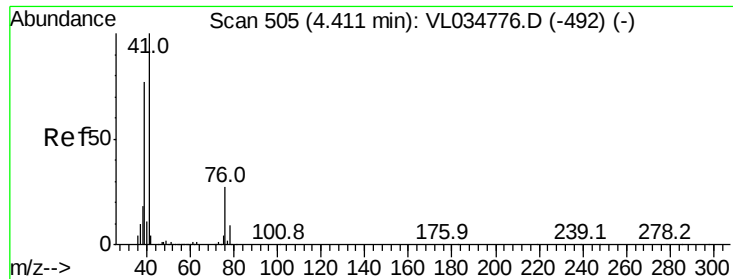


#20

Methylene Chloride
 Concen: 8.937 ppbv
 RT: 4.33 min Scan# 480
 Delta R.T. -0.01 min
 Lab File: VL034785.D
 Acq: 4 Mar 2020 7:52

Tgt Ion: 84 Resp: 397831
 Ion Ratio Lower Upper
 84 100
 49 147.5 123.2 184.8
 51 44.6 37.4 56.2
 86 59.0 51.6 77.4

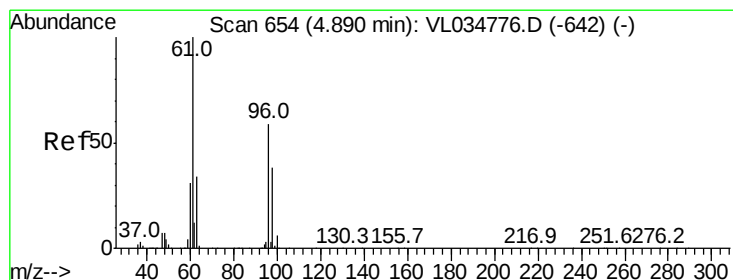
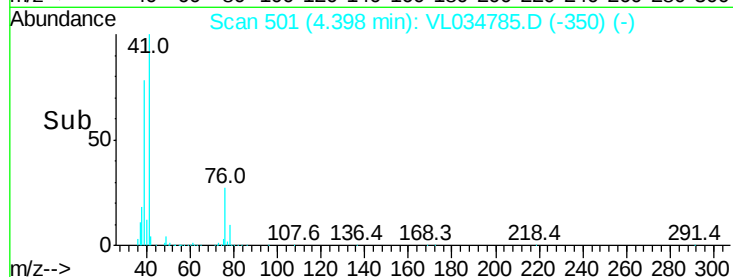
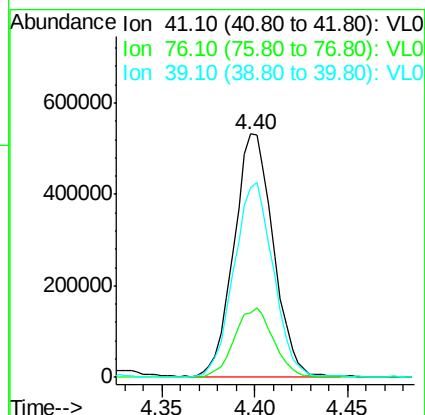
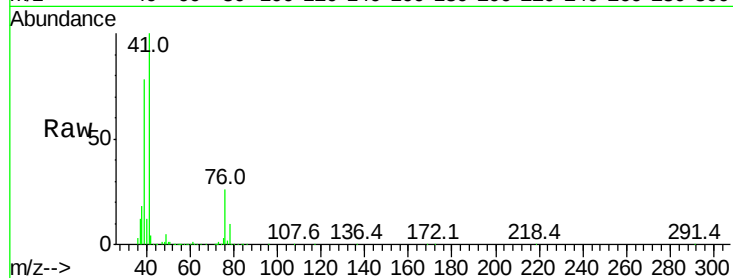




#21
 Allyl Chloride
 Concen: 9.845 ppbv
 RT: 4.40 min Scan# 501
 Delta R.T. -0.01 min
 Lab File: VL034785.D
 Acq: 4 Mar 2020 7:52

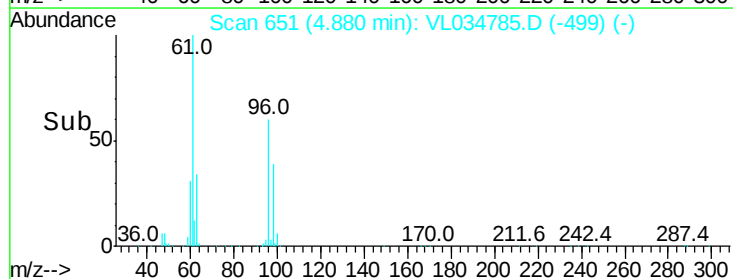
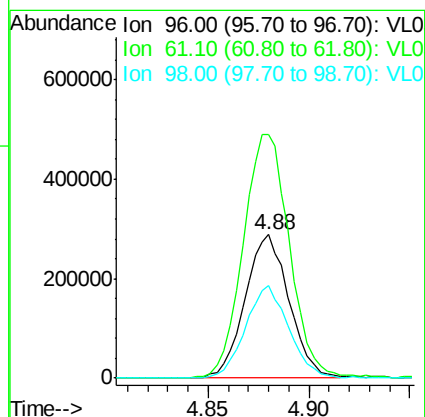
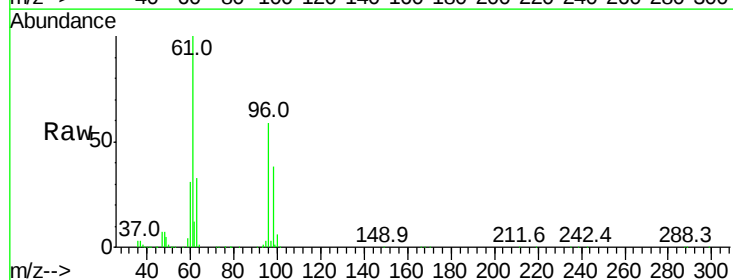
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0304ABS01

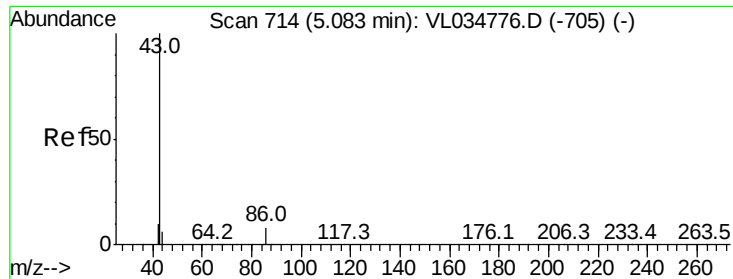
Tgt Ion: 41 Resp: 777618
 Ion Ratio Lower Upper
 41 100
 76 28.7 22.5 33.7
 39 80.8 65.0 97.6



#22
 trans-1,2-Dichloroethene
 Concen: 9.745 ppbv
 RT: 4.88 min Scan# 651
 Delta R.T. -0.01 min
 Lab File: VL034785.D
 Acq: 4 Mar 2020 7:52

Tgt Ion: 96 Resp: 440286
 Ion Ratio Lower Upper
 96 100
 61 169.6 135.2 202.8
 98 64.9 50.8 76.2





#23

Vinyl Acetate

Concen: 9.845 ppbv

RT: 5.07 min Scan# 710

Delta R.T. -0.01 min

Lab File: VL034785.D

Acq: 4 Mar 2020 7:52

Instrument :

MSVOA_L

ClientSampleId :

VL0304ABS01

Tgt Ion: 43 Resp: 1646516

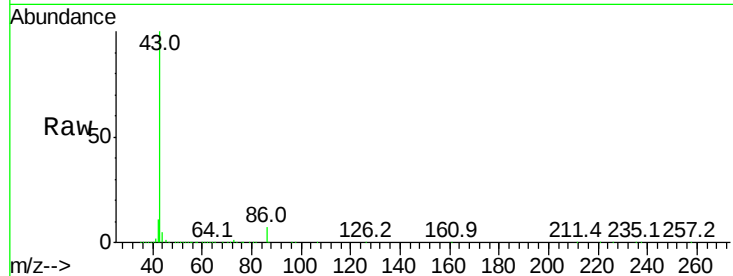
Ion Ratio Lower Upper

43 100

86 7.2 5.9 8.9

42 11.4 8.2 12.2

44 5.2 4.5 6.7

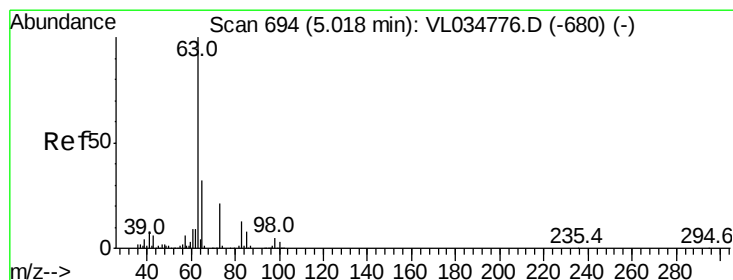
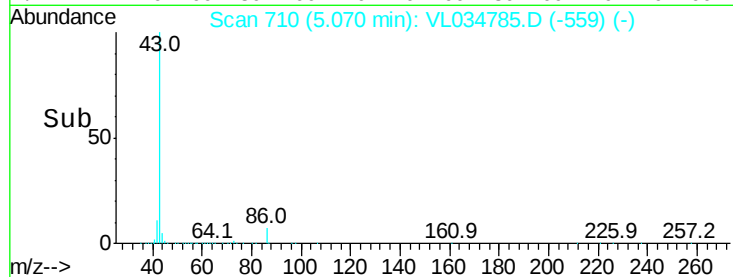
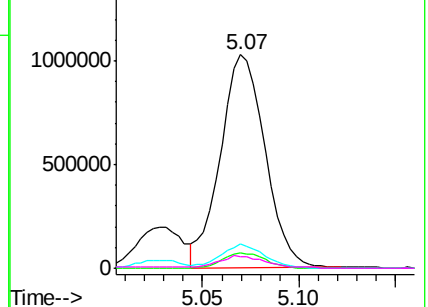


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.147 ppbv

RT: 5.01 min Scan# 690

Delta R.T. -0.01 min

Lab File: VL034785.D

Acq: 4 Mar 2020 7:52

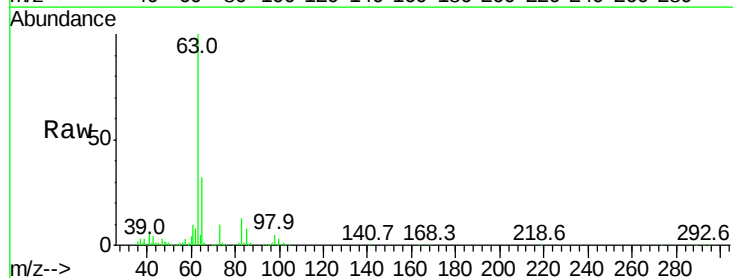
Tgt Ion: 63 Resp: 1187414

Ion Ratio Lower Upper

63 100

98 4.7 2.3 6.8

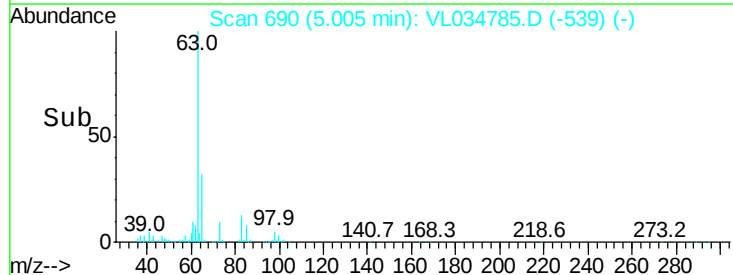
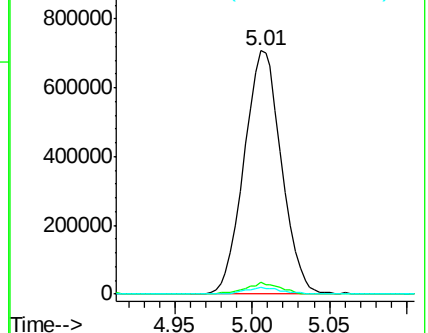
100 2.8 1.5 4.4

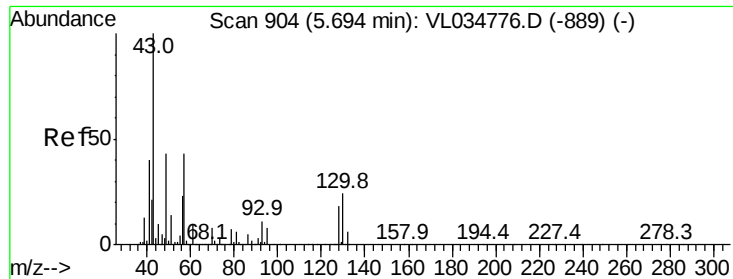


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



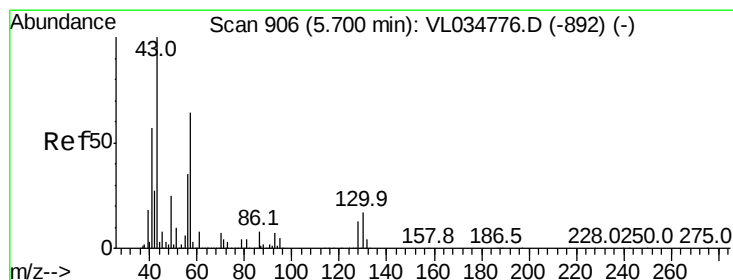
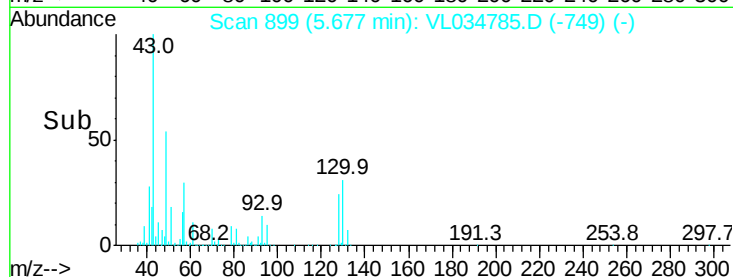
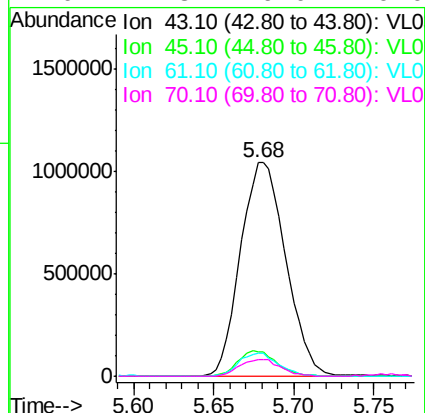
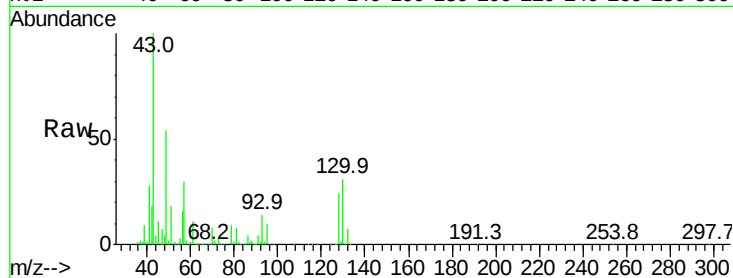


#25
Ethyl Acetate
Concen: 9.363 ppbv
RT: 5.68 min Scan# 899
Delta R.T. -0.02 min
Lab File: VL034785.D
Acq: 4 Mar 2020 7:52

Instrument :
MSVOA_L
ClientSampleId :
VL0304ABS01

Tgt Ion: 43 Resp: 2018068

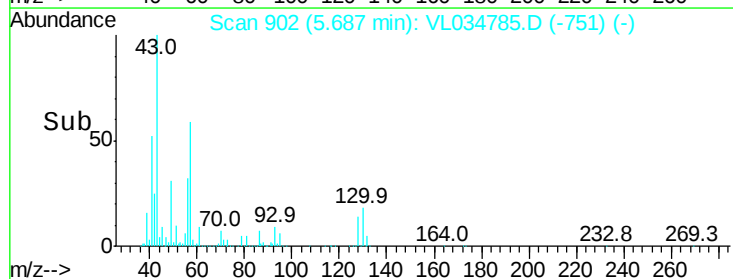
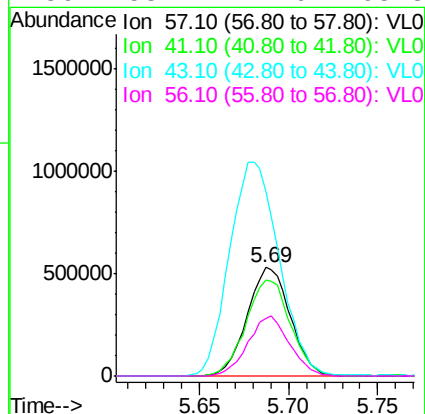
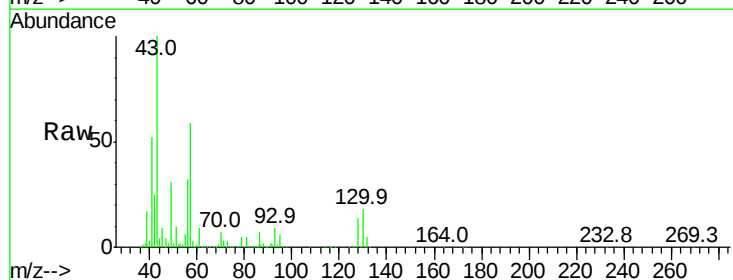
Ion	Ratio	Lower	Upper
43	100		
45	10.3	8.2	12.4
61	9.9	7.5	11.3
70	7.3	6.0	9.0

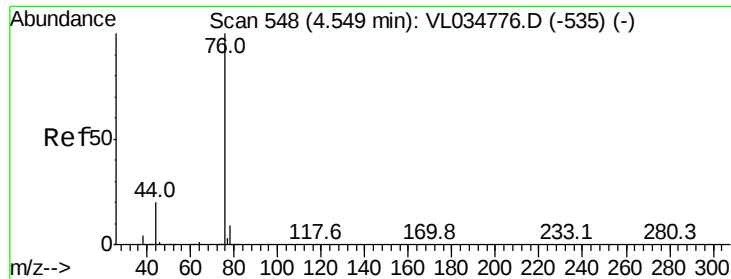


#26
Hexane
Concen: 9.486 ppbv
RT: 5.69 min Scan# 902
Delta R.T. -0.01 min
Lab File: VL034785.D
Acq: 4 Mar 2020 7:52

Tgt Ion: 57 Resp: 893182

Ion	Ratio	Lower	Upper
57	100		
41	92.3	72.0	108.0
43	227.4	179.1	268.7
56	53.7	42.6	63.8





#27

Carbon Disulfide

Concen: 10.755 ppbv

RT: 4.54 min Scan# 545

Delta R.T. -0.01 min

Lab File: VL034785.D

Acq: 4 Mar 2020 7:52

Instrument :

MSVOA_L

ClientSampleId :

VL0304ABS01

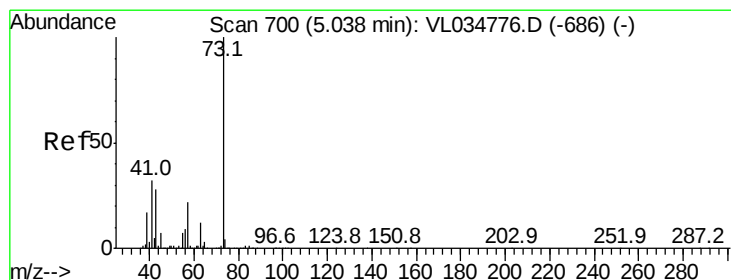
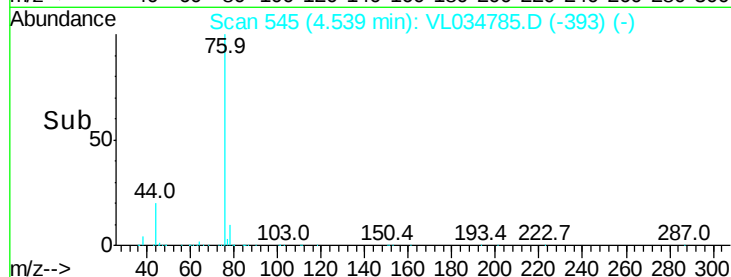
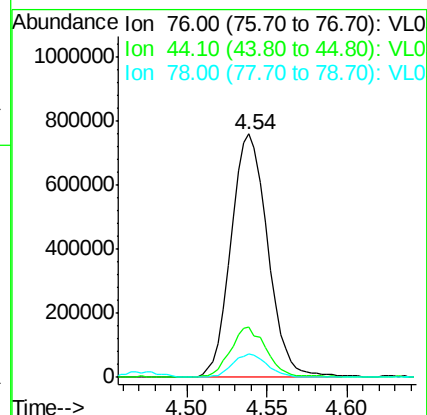
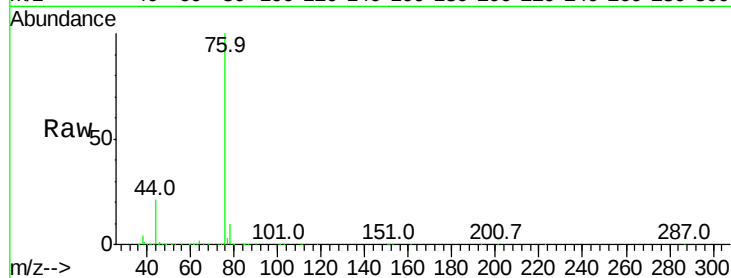
Tgt Ion: 76 Resp: 1183016

Ion Ratio Lower Upper

76 100

44 20.0 16.1 24.1

78 9.3 7.5 11.3



#28

Methyl tert-Butyl Ether

Concen: 9.149 ppbv

RT: 5.03 min Scan# 697

Delta R.T. -0.01 min

Lab File: VL034785.D

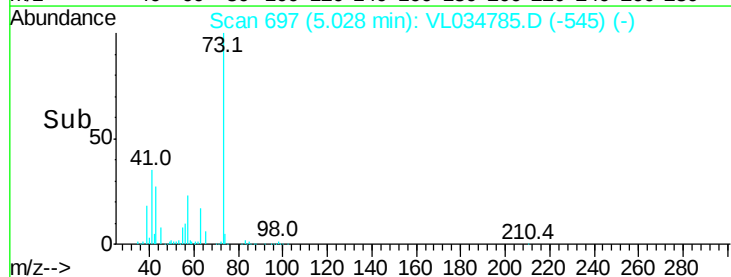
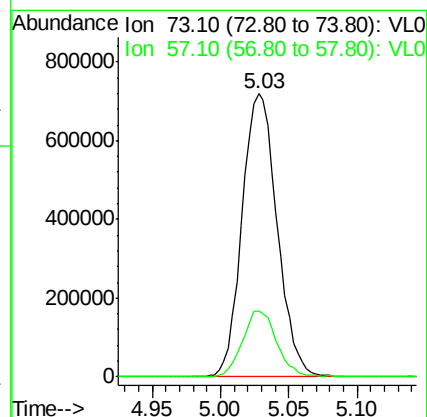
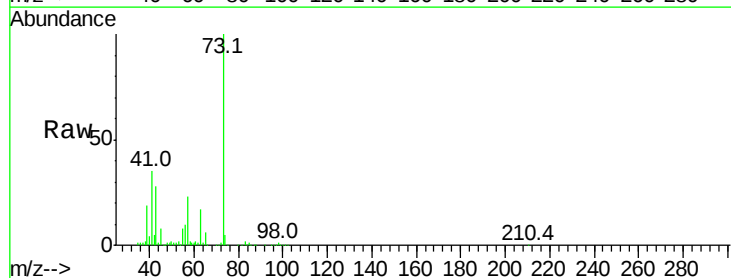
Acq: 4 Mar 2020 7:52

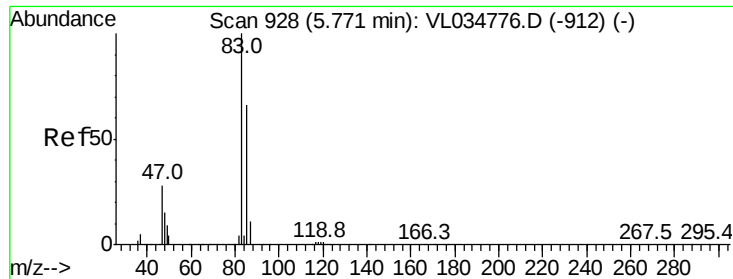
Tgt Ion: 73 Resp: 1282244

Ion Ratio Lower Upper

73 100

57 23.2 18.5 27.7





#29

Chloroform

Concen: 9.232 ppbv

RT: 5.76 min Scan# 925

Delta R.T. -0.01 min

Lab File: VL034785.D

Acq: 4 Mar 2020 7:52

Instrument :

MSVOA_L

ClientSampleId :

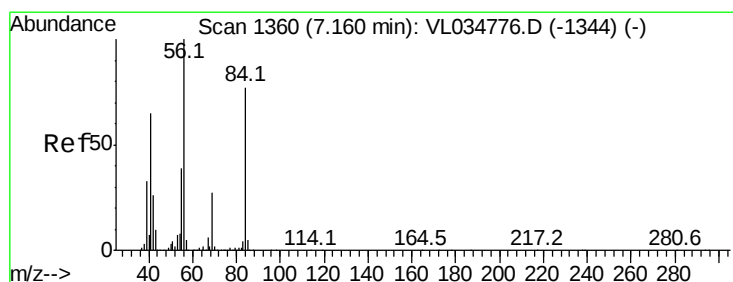
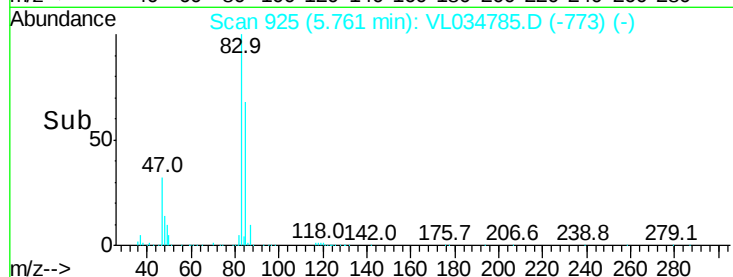
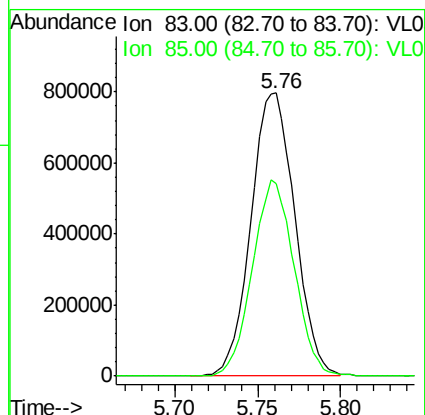
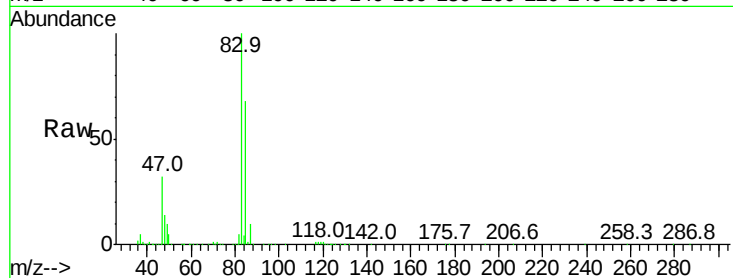
VL0304ABS01

Tgt Ion: 83 Resp: 1463240

Ion Ratio Lower Upper

83 100

85 68.0 53.0 79.4



#30

Cyclohexane

Concen: 10.181 ppbv

RT: 7.15 min Scan# 1356

Delta R.T. -0.01 min

Lab File: VL034785.D

Acq: 4 Mar 2020 7:52

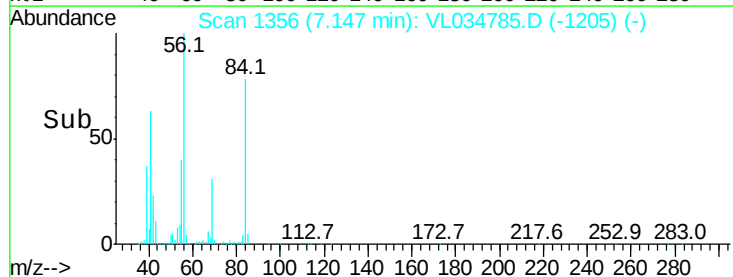
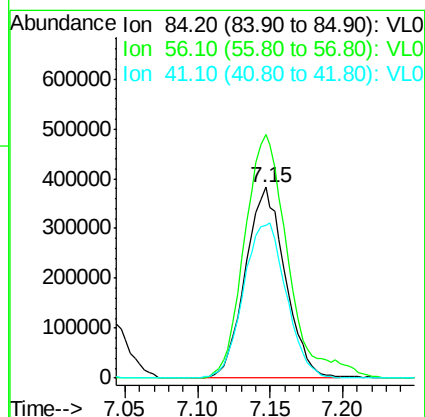
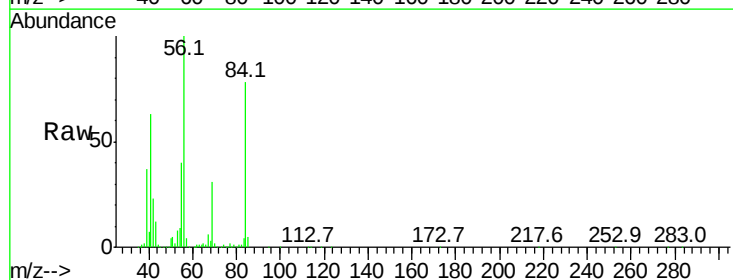
Tgt Ion: 84 Resp: 733389

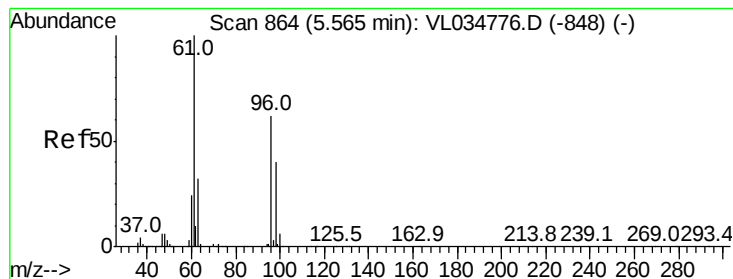
Ion Ratio Lower Upper

84 100

56 139.7 113.2 169.8

41 86.9 70.2 105.4





#31

cis-1,2-Dichloroethene

Concen: 9.869 ppbv

RT: 5.55 min Scan# 860

Delta R.T. -0.01 min

Lab File: VL034785.D

Acq: 4 Mar 2020 7:52

Instrument :

MSVOA_L

ClientSampleId :

VL0304ABS01

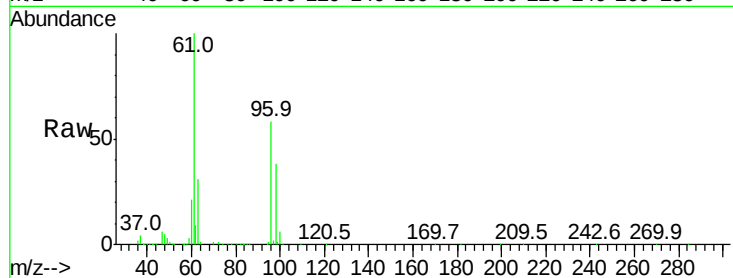
Tgt Ion: 61 Resp: 953105

Ion Ratio Lower Upper

61 100

96 58.3 49.7 74.5

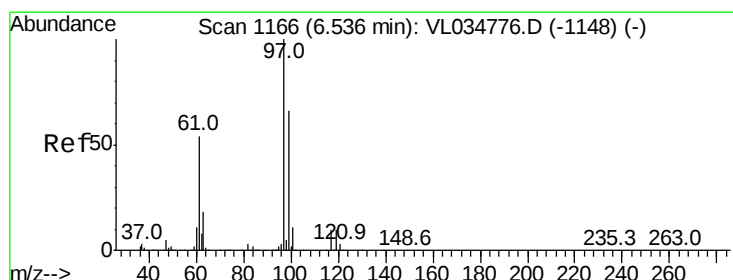
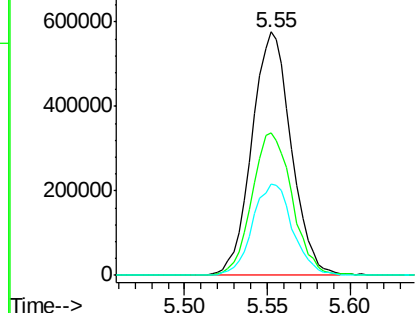
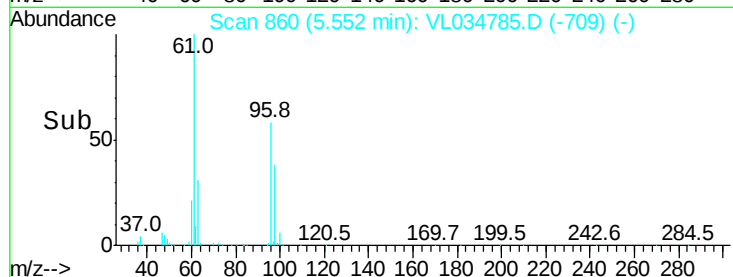
98 37.8 31.9 47.9



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: 8.922 ppbv

RT: 6.52 min Scan# 1162

Delta R.T. -0.01 min

Lab File: VL034785.D

Acq: 4 Mar 2020 7:52

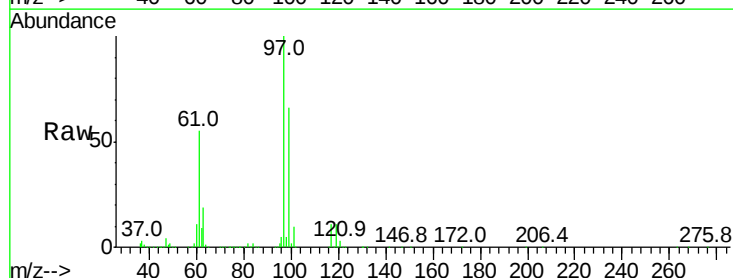
Tgt Ion: 97 Resp: 1397353

Ion Ratio Lower Upper

97 100

99 65.5 51.7 77.5

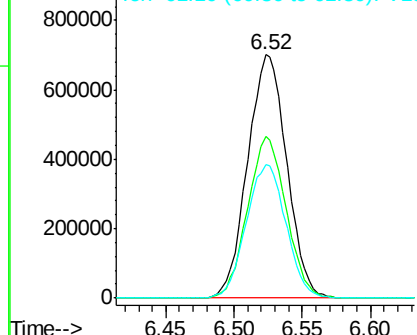
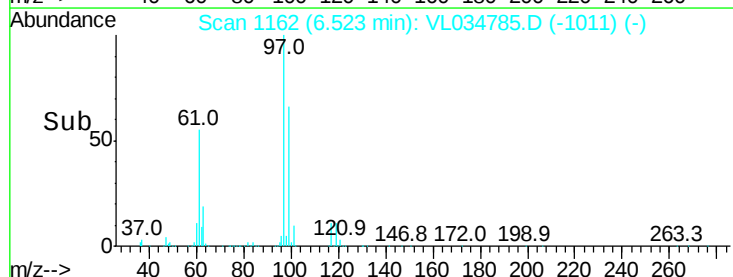
61 56.1 43.4 65.0

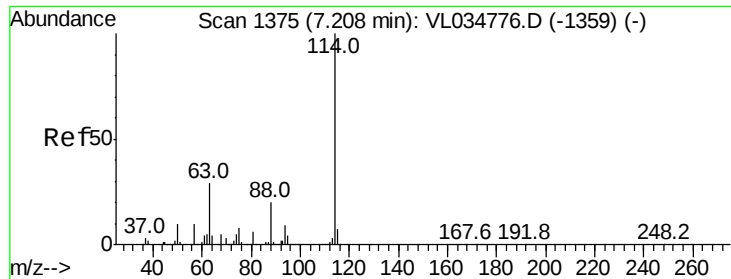


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

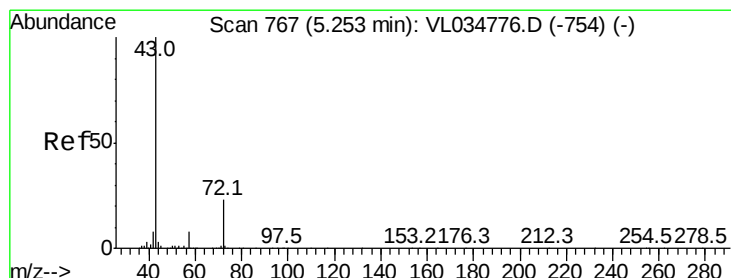
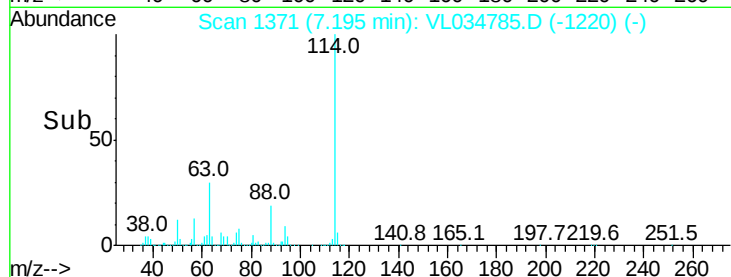
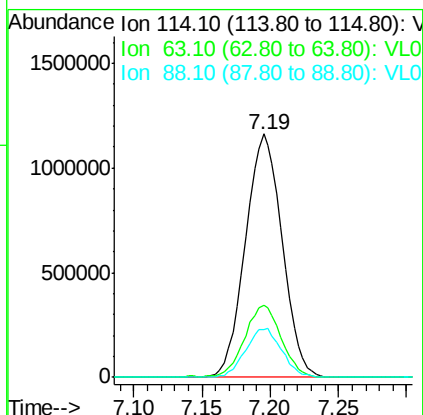
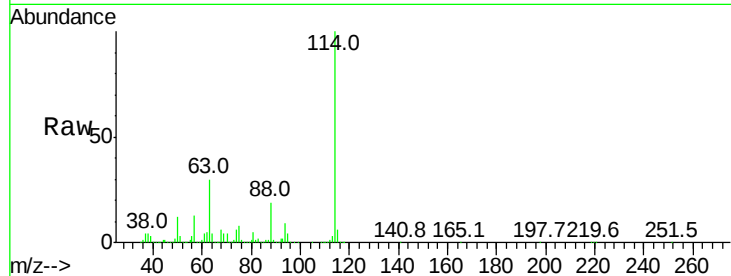




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1371
 Delta R.T. -0.01 min
 Lab File: VL034785.D
 Acq: 4 Mar 2020 7:52

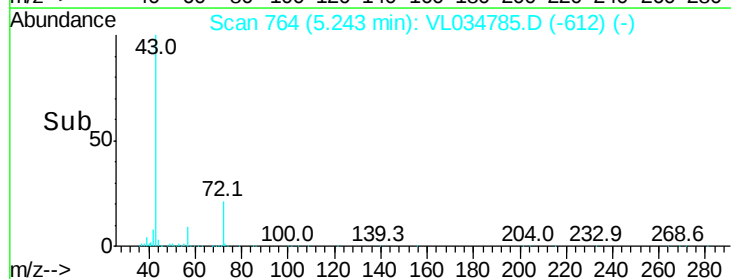
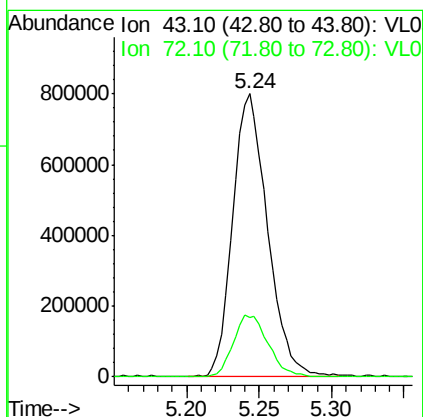
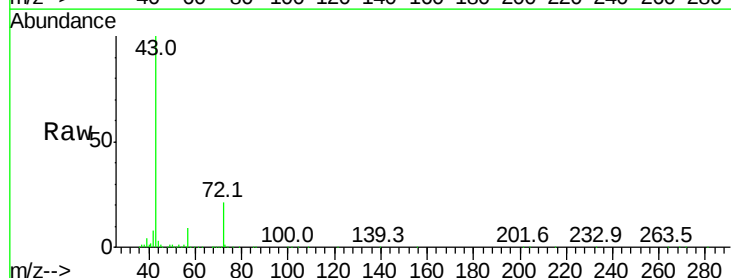
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0304ABS01

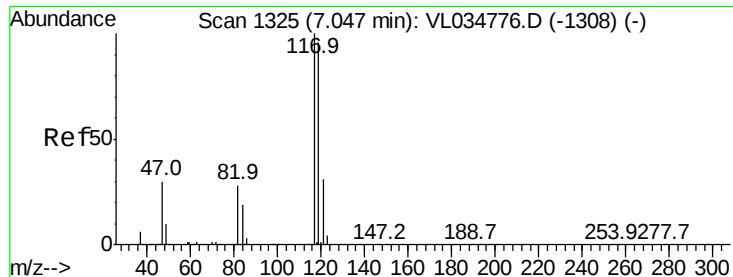
Tgt Ion:114 Resp: 2174317
 Ion Ratio Lower Upper
 114 100
 63 29.9 23.6 35.4
 88 19.8 15.8 23.8



#34
 2-Butanone
 Concen: 9.406 ppbv
 RT: 5.24 min Scan# 764
 Delta R.T. -0.01 min
 Lab File: VL034785.D
 Acq: 4 Mar 2020 7:52

Tgt Ion: 43 Resp: 1330486
 Ion Ratio Lower Upper
 43 100
 72 22.1 17.5 26.3





#35

Carbon Tetrachloride

Concen: 9.032 ppbv

RT: 7.03 min Scan# 1321

Delta R.T. -0.01 min

Lab File: VL034785.D

Acq: 4 Mar 2020 7:52

Instrument :

MSVOA_L

ClientSampleId :

VL0304ABS01

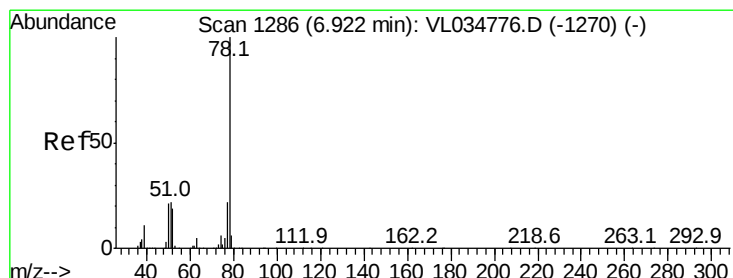
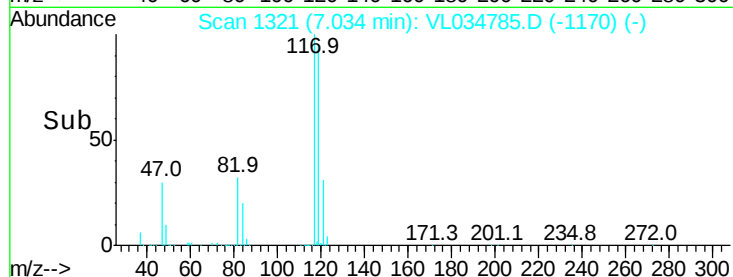
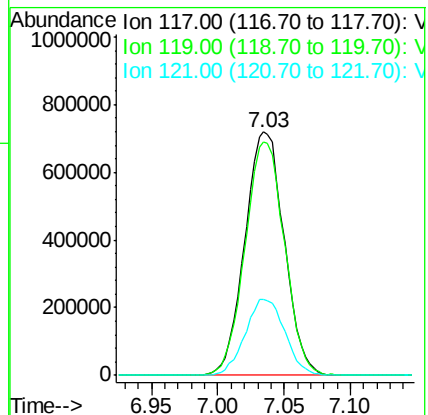
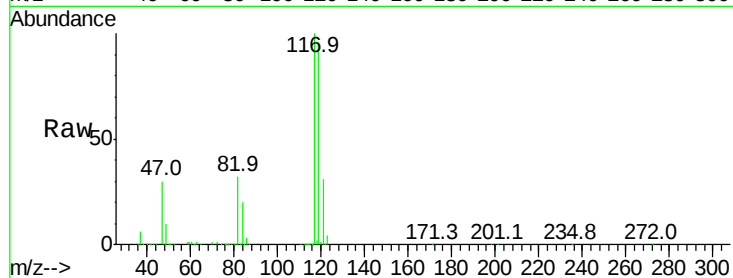
Tgt Ion:117 Resp: 1481868

Ion Ratio Lower Upper

117 100

119 96.1 76.8 115.2

121 31.2 24.6 37.0



#36

Benzene

Concen: 9.529 ppbv

RT: 6.91 min Scan# 1282

Delta R.T. -0.01 min

Lab File: VL034785.D

Acq: 4 Mar 2020 7:52

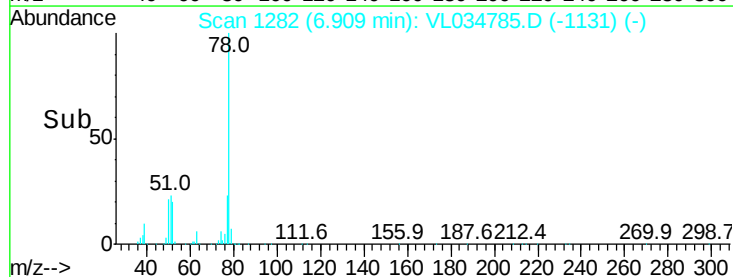
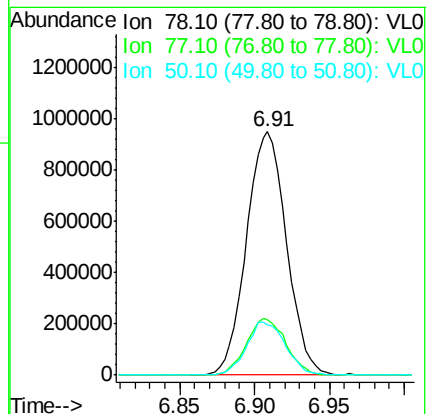
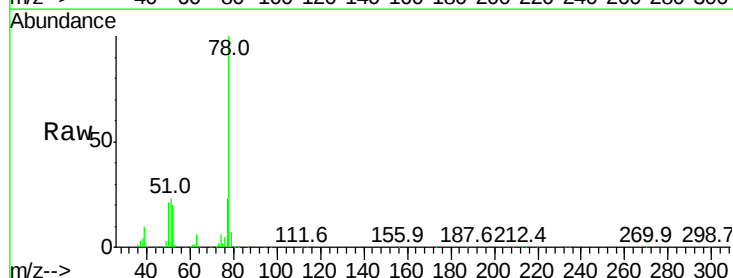
Tgt Ion: 78 Resp: 1770407

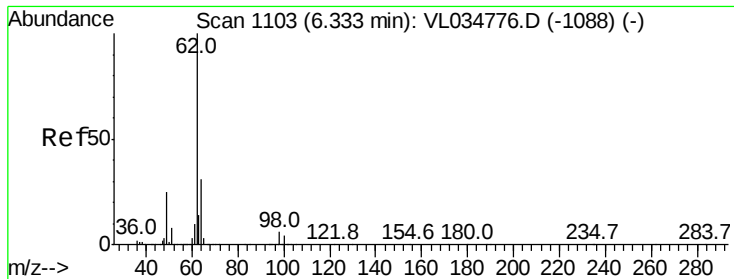
Ion Ratio Lower Upper

78 100

77 23.0 18.0 27.0

50 20.9 16.9 25.3





#37

1,2-Dichloroethane

Concen: 9.654 ppbv

RT: 6.32 min Scan# 1099

Delta R.T. -0.01 min

Lab File: VL034785.D

Acq: 4 Mar 2020 7:52

Instrument :

MSVOA_L

ClientSampleId :

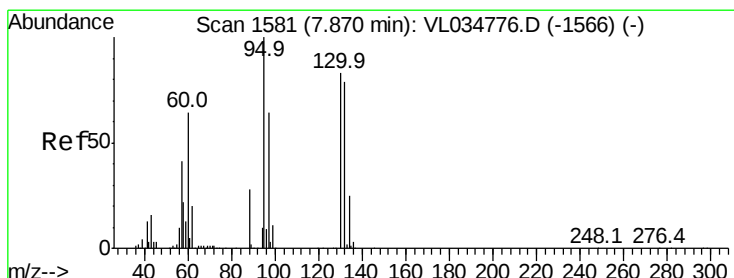
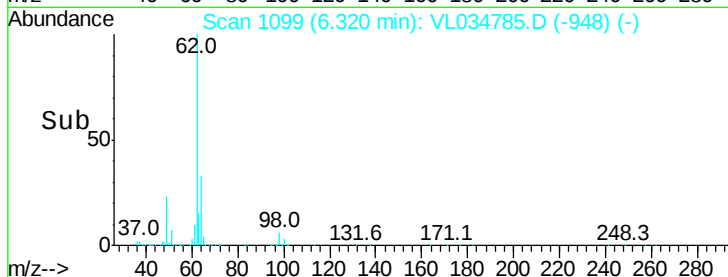
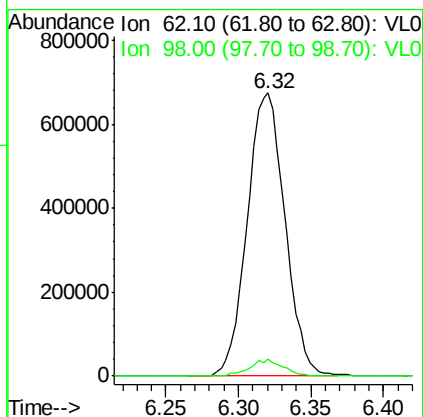
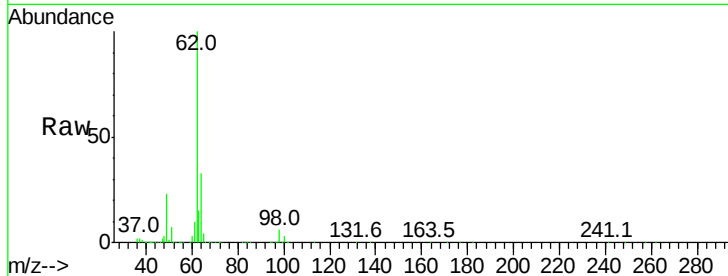
VL0304ABS01

Tgt Ion: 62 Resp: 1225142

Ion Ratio Lower Upper

62 100

98 5.2 4.4 6.6



#38

Trichloroethene

Concen: 9.432 ppbv

RT: 7.86 min Scan# 1578

Delta R.T. -0.01 min

Lab File: VL034785.D

Acq: 4 Mar 2020 7:52

Tgt Ion: 130 Resp: 682994

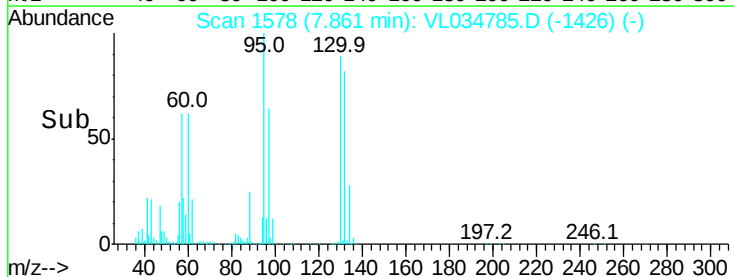
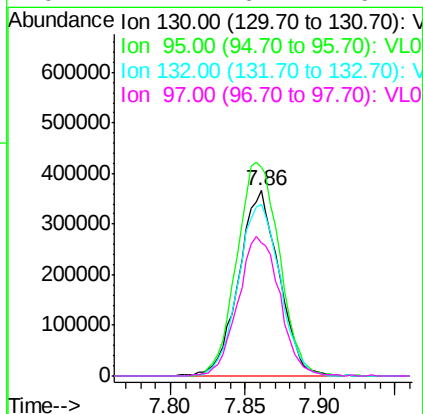
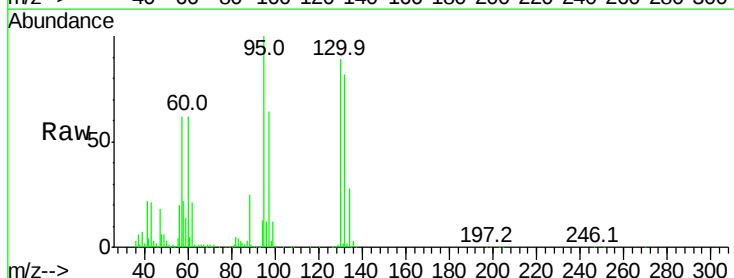
Ion Ratio Lower Upper

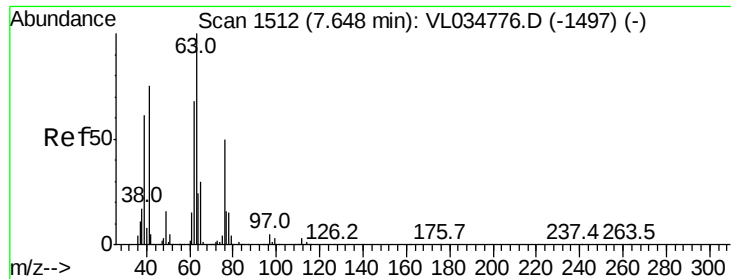
130 100

95 112.9 95.8 143.8

132 93.0 76.1 114.1

97 72.2 61.1 91.7





#39

1,2-Dichloropropane

Concen: 9.560 ppbv

RT: 7.64 min Scan# 1508

Delta R.T. -0.01 min

Lab File: VL034785.D

Acq: 4 Mar 2020 7:52

Instrument :

MSVOA_L

ClientSampleId :

VL0304ABS01

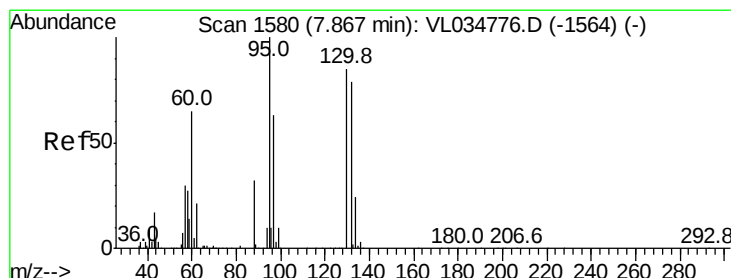
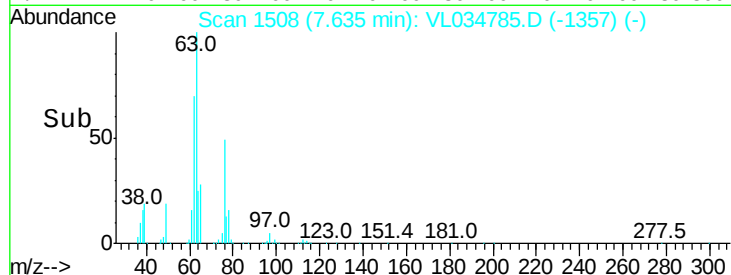
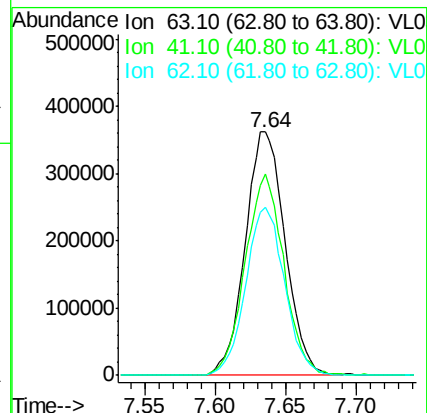
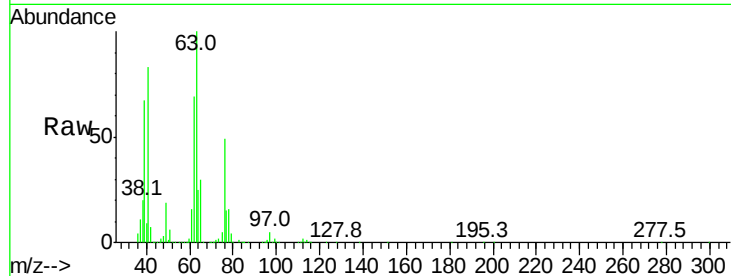
Tgt Ion: 63 Resp: 716826

Ion Ratio Lower Upper

63 100

41 82.7 60.3 90.5

62 69.2 54.5 81.7



#40

1,4-Dioxane

Concen: 10.789 ppbv

RT: 7.85 min Scan# 1575

Delta R.T. -0.02 min

Lab File: VL034785.D

Acq: 4 Mar 2020 7:52

Tgt Ion: 88 Resp: 279799

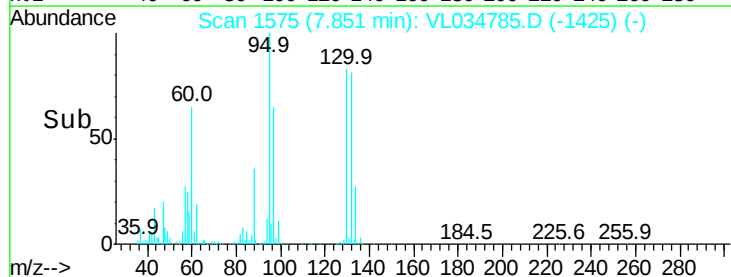
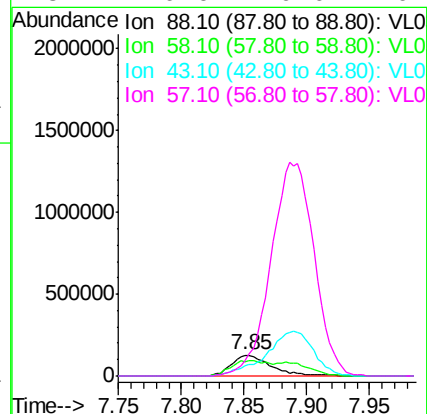
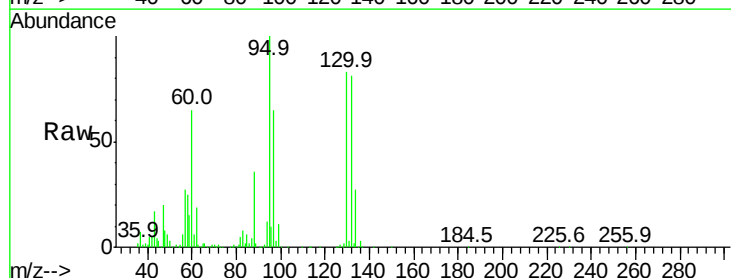
Ion Ratio Lower Upper

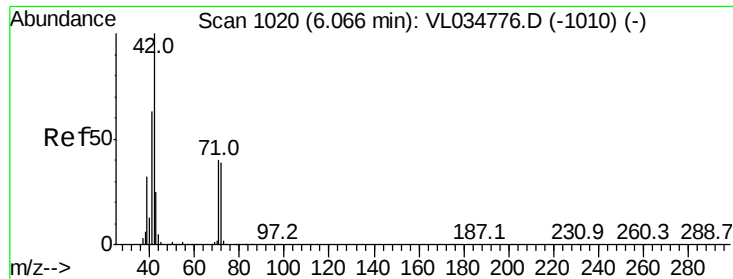
88 100

58 127.4 110.6 166.0

43 257.6 0.0 0.0#

57 1120.6 0.0 0.0#





#41

Tetrahydrofuran

Concen: 9.918 ppbv

RT: 6.05 min Scan# 1016

Delta R.T. -0.01 min

Lab File: VL034785.D

Acq: 4 Mar 2020 7:52

Instrument :

MSVOA_L

ClientSampleId :

VL0304ABS01

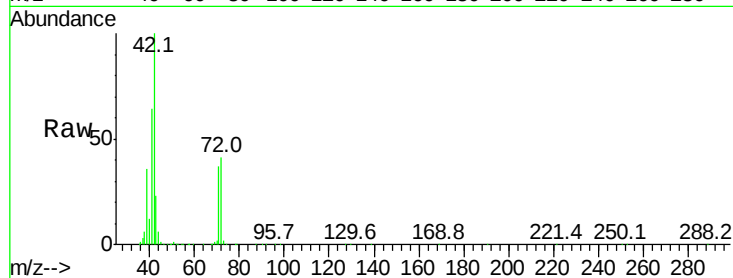
Tgt Ion: 42 Resp: 715803

Ion Ratio Lower Upper

42 100

72 40.2 32.0 48.0

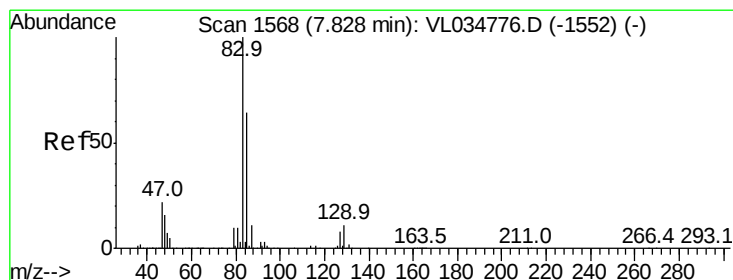
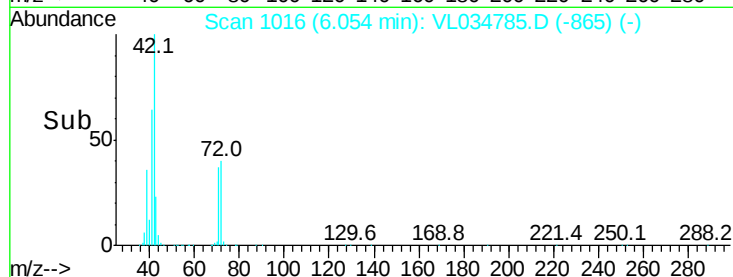
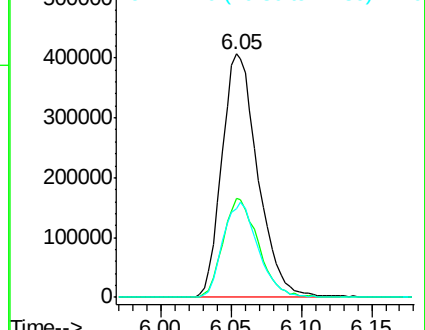
71 38.9 31.3 46.9



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: 9.921 ppbv

RT: 7.82 min Scan# 1564

Delta R.T. -0.01 min

Lab File: VL034785.D

Acq: 4 Mar 2020 7:52

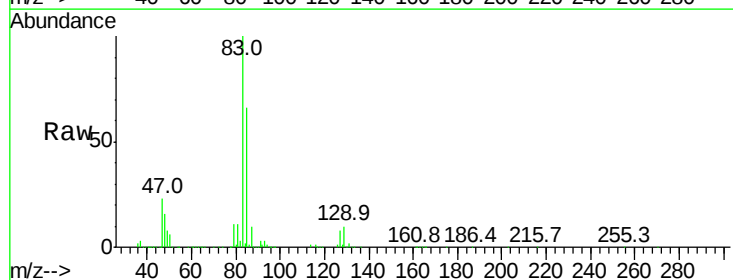
Tgt Ion: 83 Resp: 1593015

Ion Ratio Lower Upper

83 100

85 66.2 50.8 76.2

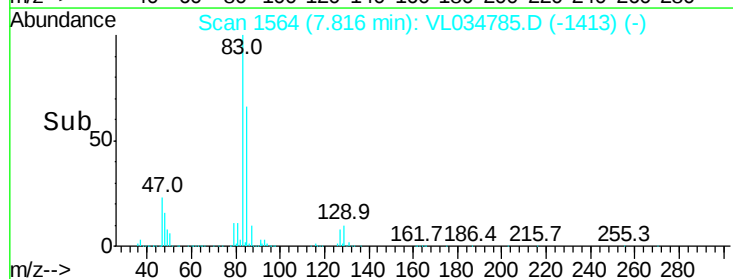
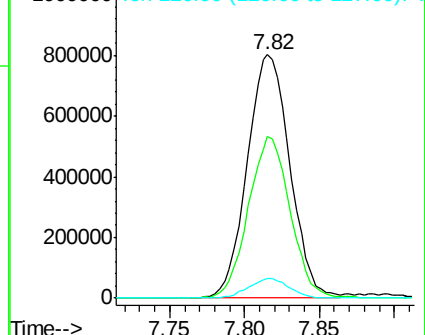
127 7.9 6.5 9.7

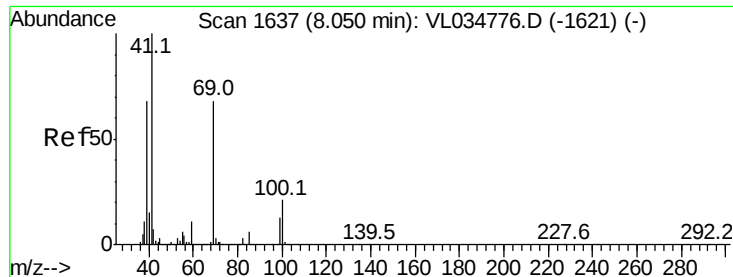


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V

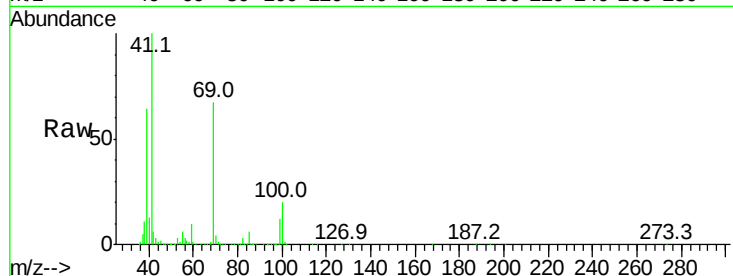




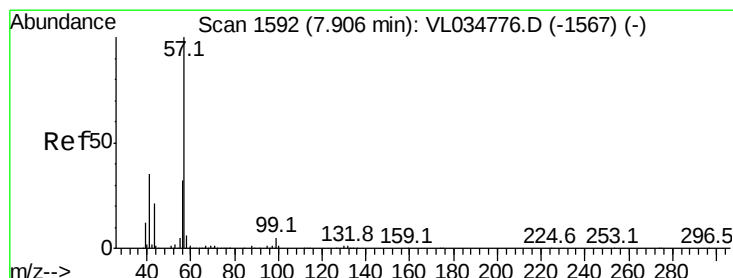
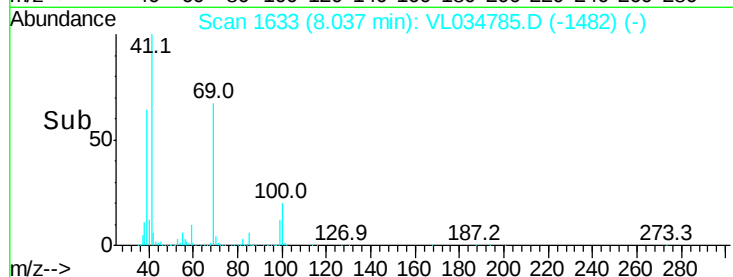
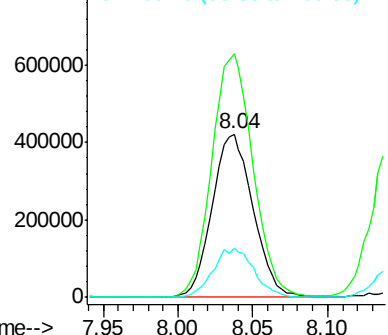
#43
Methyl Methacrylate
Concen: 10.165 ppbv
RT: 8.04 min Scan# 1633
Delta R.T. -0.01 min
Lab File: VL034785.D
Acq: 4 Mar 2020 7:52

Instrument :
MSVOA_L
ClientSampleId :
VL0304ABS01

Tgt Ion: 69 Resp: 800313
Ion Ratio Lower Upper
69 100
41 150.0 121.6 182.4
100 30.1 23.8 35.8

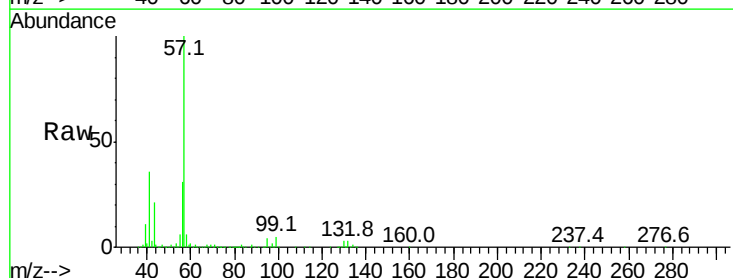


Abundance Ion 69.10 (68.80 to 69.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 100.10 (99.80 to 100.80): VL0

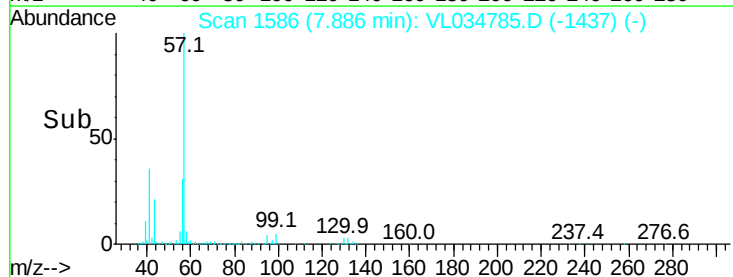
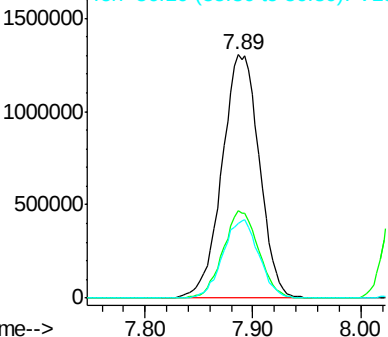


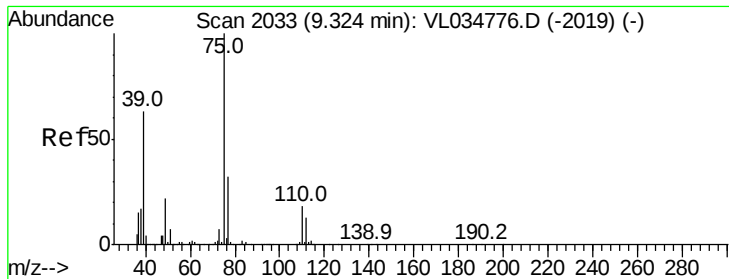
#44
2,2,4-Trimethylpentane
Concen: 9.643 ppbv
RT: 7.89 min Scan# 1586
Delta R.T. -0.02 min
Lab File: VL034785.D
Acq: 4 Mar 2020 7:52

Tgt Ion: 57 Resp: 3131095
Ion Ratio Lower Upper
57 100
41 34.1 27.4 41.0
56 31.0 25.0 37.6



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: 11.769 ppbv

RT: 9.31 min Scan# 2030

Delta R.T. -0.01 min

Lab File: VL034785.D

Acq: 4 Mar 2020 7:52

Instrument :

MSVOA_L

ClientSampleId :

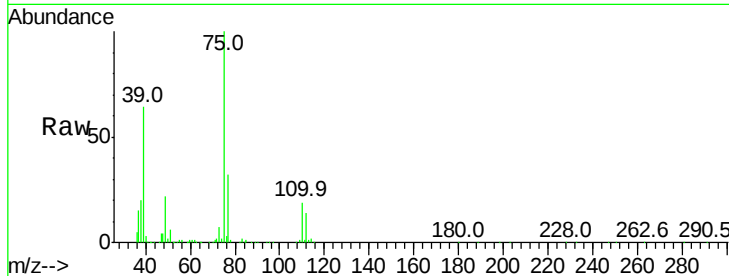
VL0304ABS01

Tgt Ion: 75 Resp: 972752

Ion Ratio Lower Upper

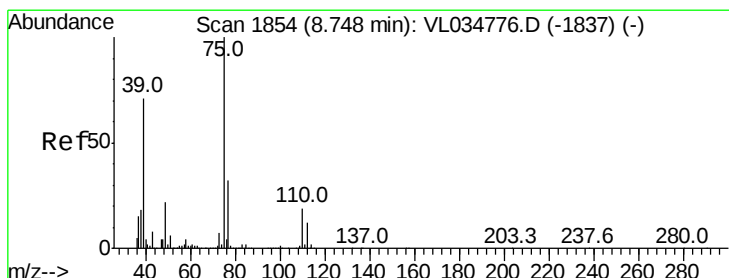
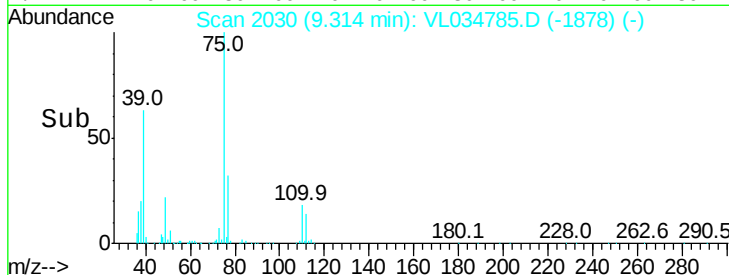
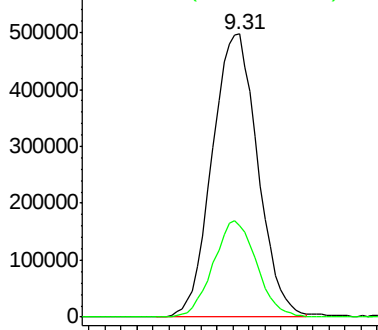
75 100

77 32.3 25.6 38.4



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: 11.253 ppbv

RT: 8.73 min Scan# 1849

Delta R.T. -0.02 min

Lab File: VL034785.D

Acq: 4 Mar 2020 7:52

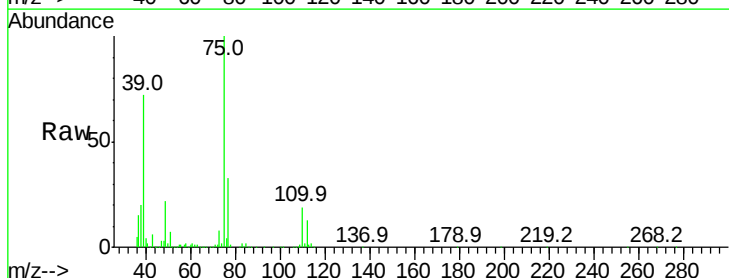
Tgt Ion: 75 Resp: 1135692

Ion Ratio Lower Upper

75 100

39 71.5 56.9 85.3

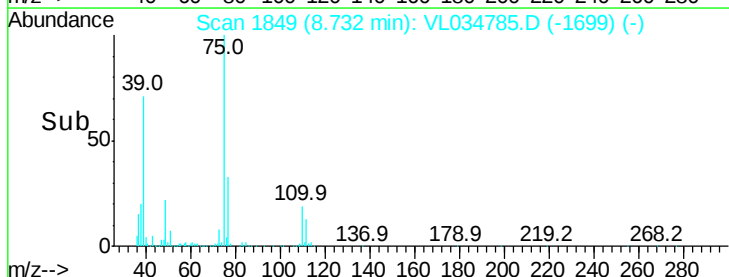
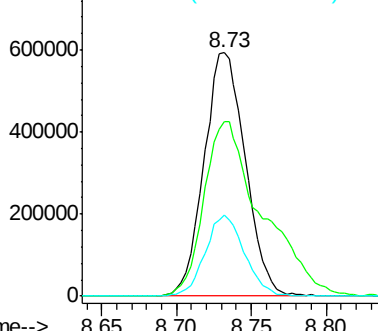
77 33.3 25.7 38.5

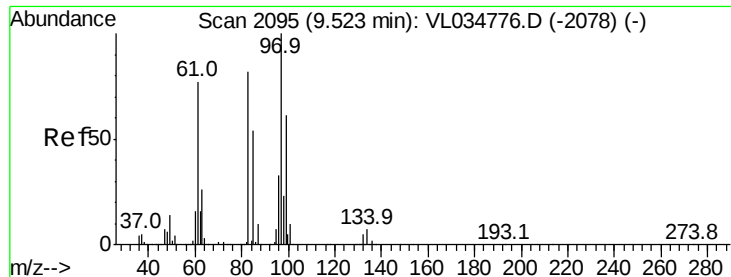


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0





#47

1,1,2-Trichloroethane

Concen: 9.428 ppbv

RT: 9.51 min Scan# 2091

Delta R.T. -0.01 min

Lab File: VL034785.D

Acq: 4 Mar 2020 7:52

Instrument :

MSVOA_L

ClientSampleId :

VL0304ABS01

Tgt Ion: 97 Resp: 746352

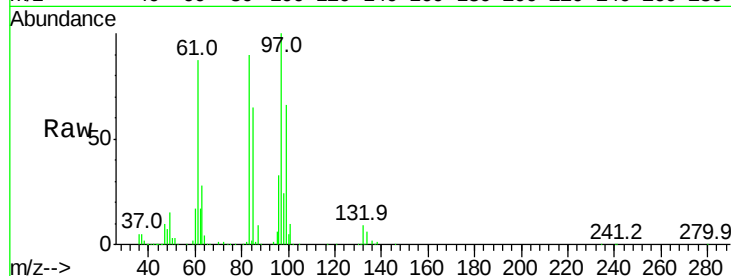
Ion Ratio Lower Upper

97 100

83 89.3 65.2 97.8

85 64.9 43.6 65.4

99 65.9 48.9 73.3

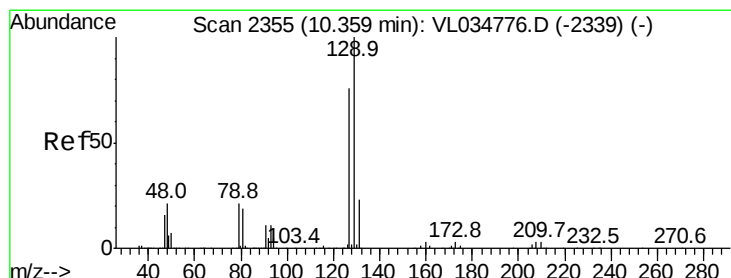
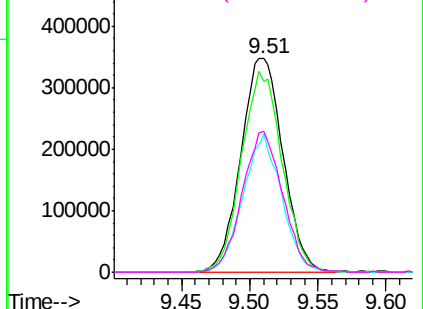
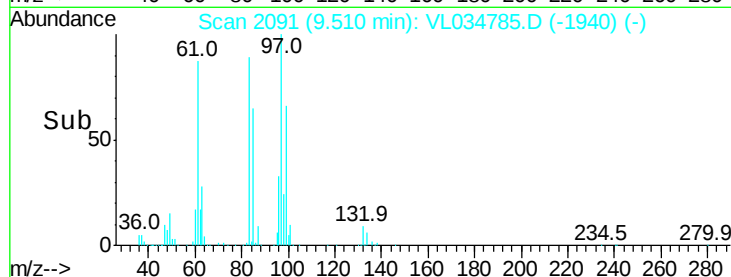


Abundance Ion 97.00 (96.70 to 97.70): VL0

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: 10.478 ppbv

RT: 10.35 min Scan# 2351

Delta R.T. -0.01 min

Lab File: VL034785.D

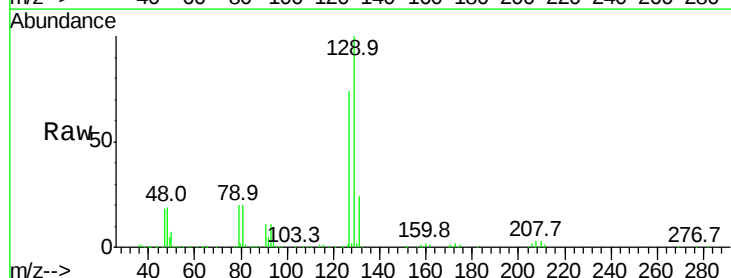
Acq: 4 Mar 2020 7:52

Tgt Ion: 129 Resp: 1297079

Ion Ratio Lower Upper

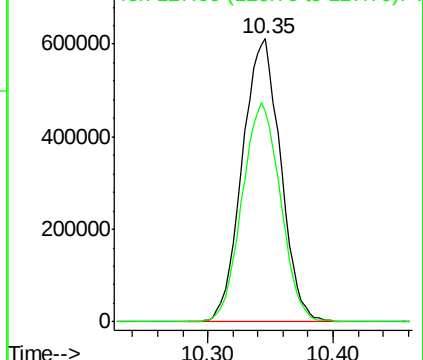
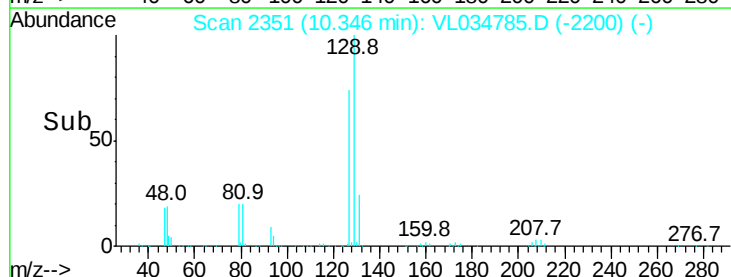
129 100

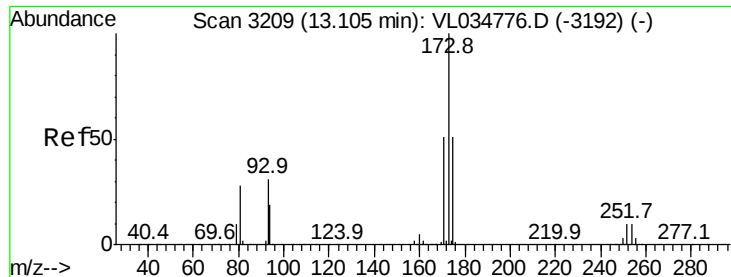
127 77.8 39.0 117.0



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 10.700 ppbv

RT: 13.09 min Scan# 3204

Delta R.T. -0.02 min

Lab File: VL034785.D

Acq: 4 Mar 2020 7:52

Instrument :

MSVOA_L

ClientSampleId :

VL0304ABS01

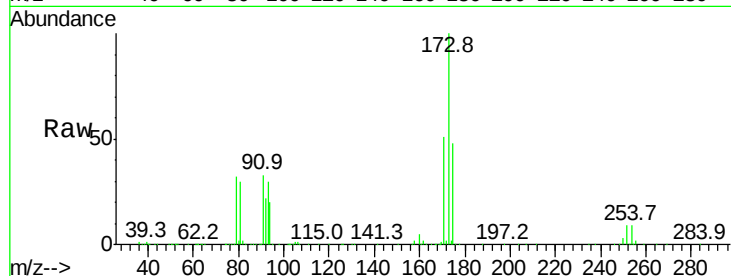
Tgt Ion:173 Resp: 1155801

Ion Ratio Lower Upper

173 100

175 48.9 39.8 59.6

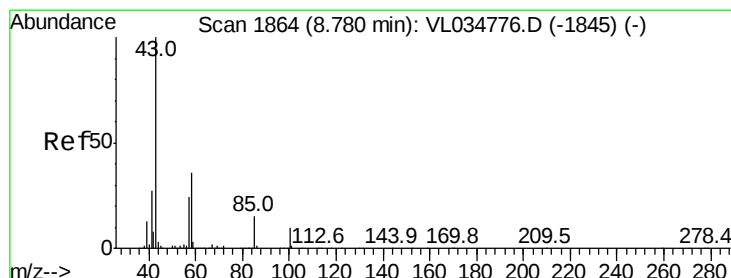
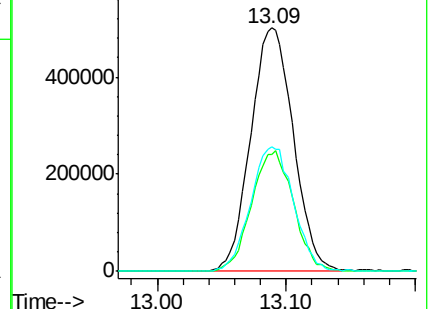
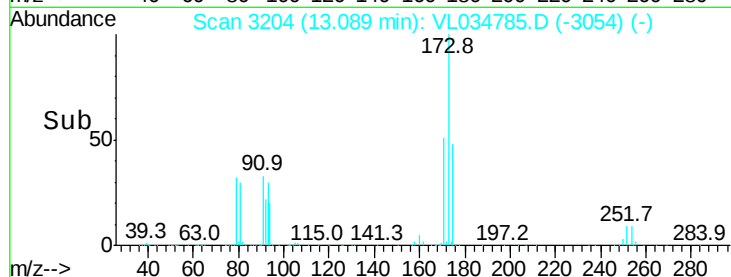
171 51.9 41.0 61.4



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: 9.828 ppbv

RT: 8.76 min Scan# 1859

Delta R.T. -0.02 min

Lab File: VL034785.D

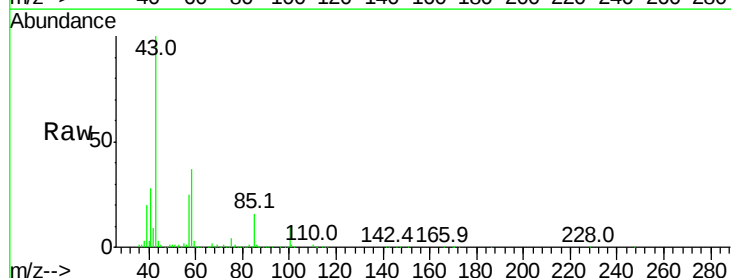
Acq: 4 Mar 2020 7:52

Tgt Ion: 43 Resp: 1991919

Ion Ratio Lower Upper

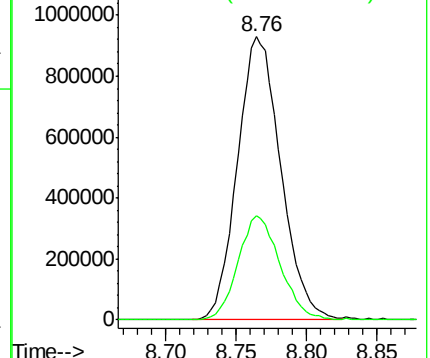
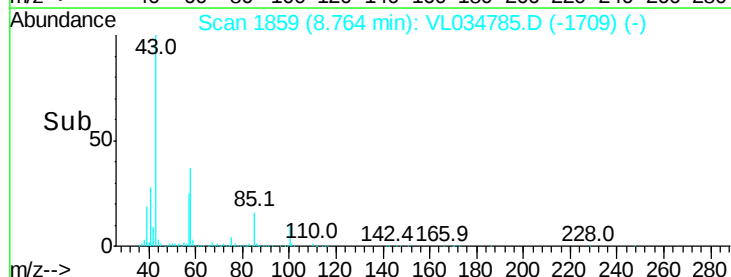
43 100

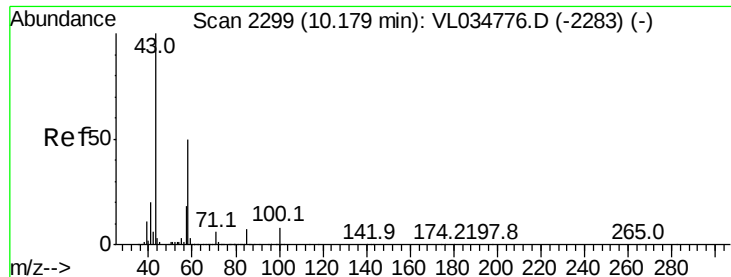
58 36.0 28.7 43.1



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

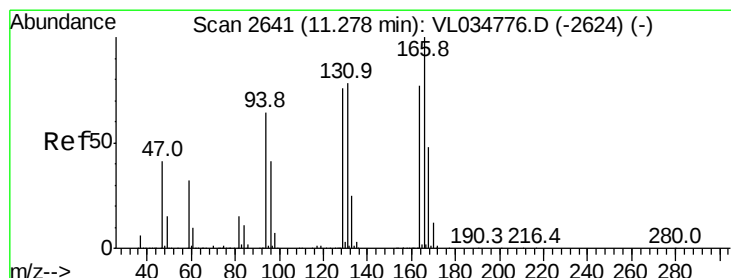
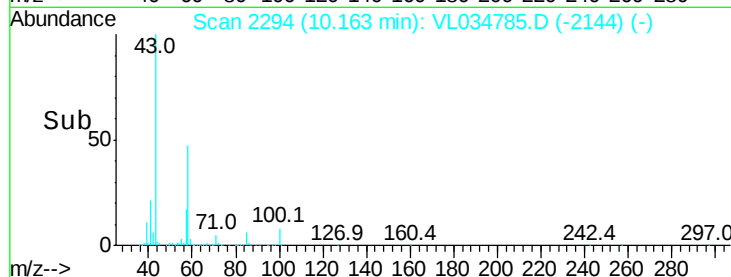
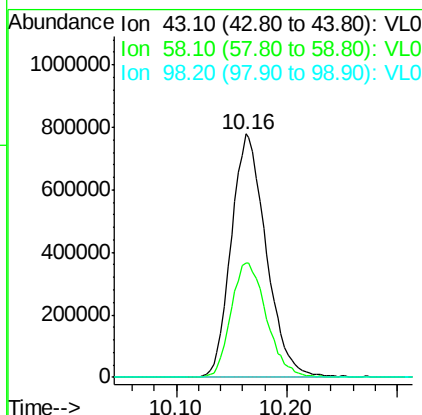
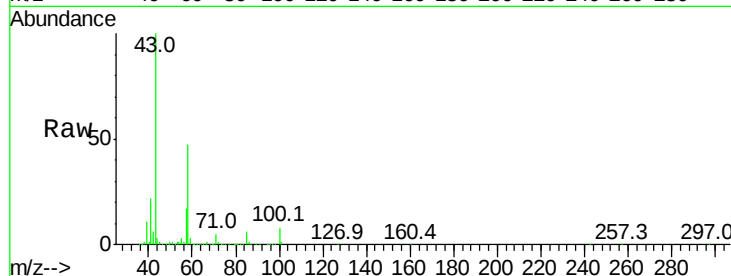




#51
2-Hexanone
Concen: 10.782 ppbv
RT: 10.16 min Scan# 2294
Delta R.T. -0.02 min
Lab File: VL034785.D
Acq: 4 Mar 2020 7:52

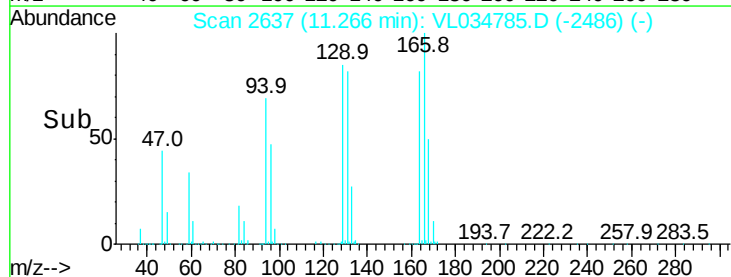
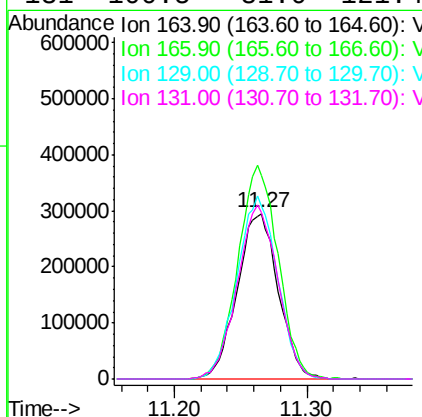
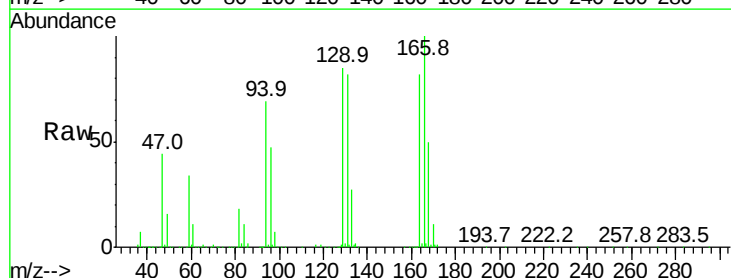
Instrument :
MSVOA_L
ClientSampleId :
VL0304ABS01

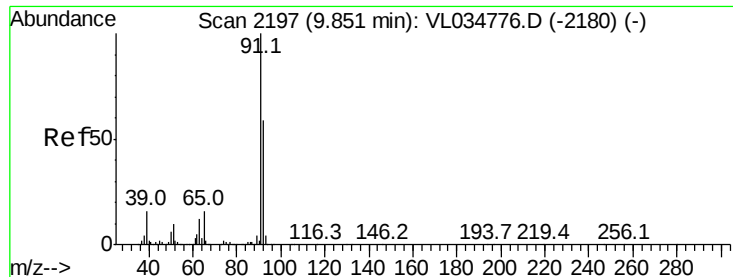
Tgt Ion: 43 Resp: 1714343
Ion Ratio Lower Upper
43 100
58 47.7 38.6 58.0
98 0.2 0.2 0.4#



#52
Tetrachloroethene
Concen: 9.265 ppbv
RT: 11.27 min Scan# 2637
Delta R.T. -0.01 min
Lab File: VL034785.D
Acq: 4 Mar 2020 7:52

Tgt Ion: 164 Resp: 636007
Ion Ratio Lower Upper
164 100
166 122.4 103.3 154.9
129 104.5 79.0 118.4
131 100.5 81.0 121.4





#53

Toluene

Concen: 10.374 ppbv

RT: 9.84 min Scan# 2193

Delta R.T. -0.01 min

Lab File: VL034785.D

Acq: 4 Mar 2020 7:52

Instrument :

MSVOA_L

ClientSampleId :

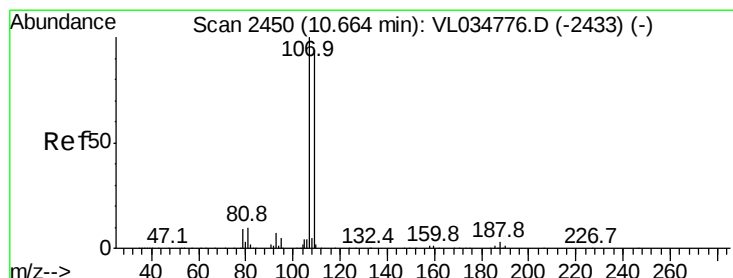
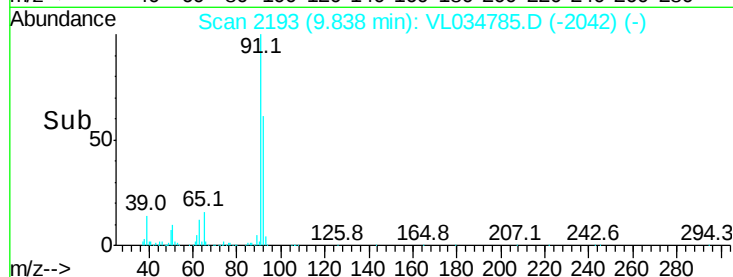
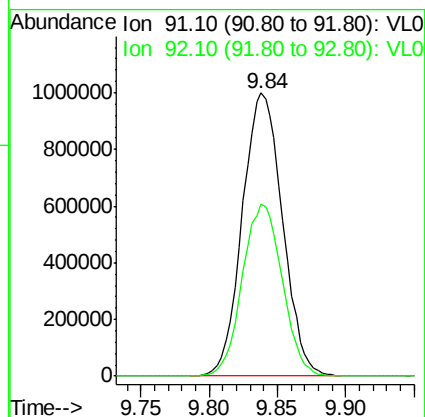
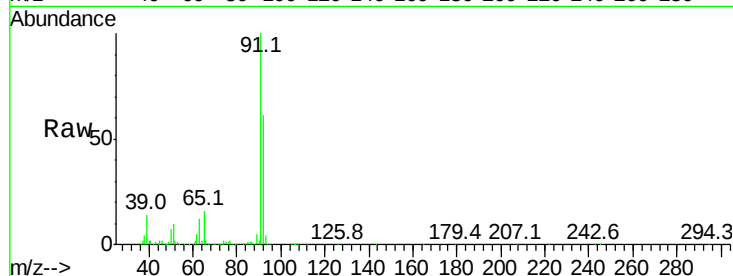
VL0304ABS01

Tgt Ion: 91 Resp: 2040007

Ion Ratio Lower Upper

91 100

92 60.5 48.2 72.2



#54

1,2-Dibromoethane

Concen: 9.888 ppbv

RT: 10.65 min Scan# 2445

Delta R.T. -0.02 min

Lab File: VL034785.D

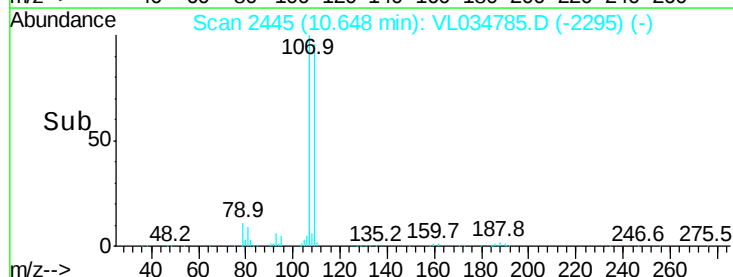
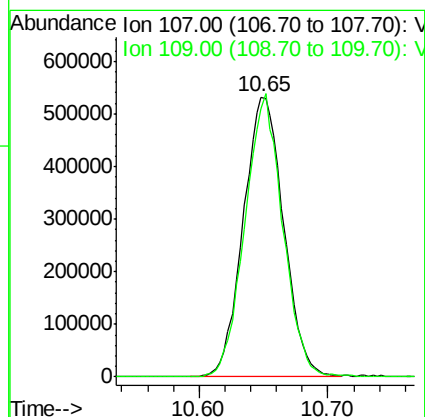
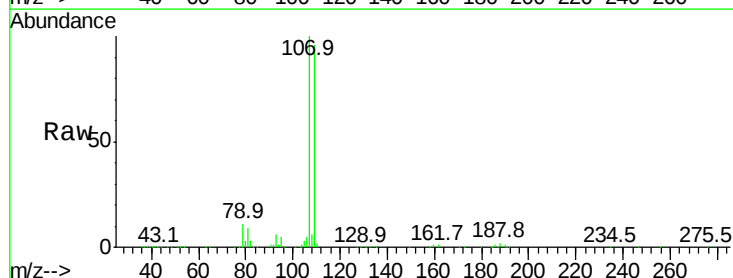
Acq: 4 Mar 2020 7:52

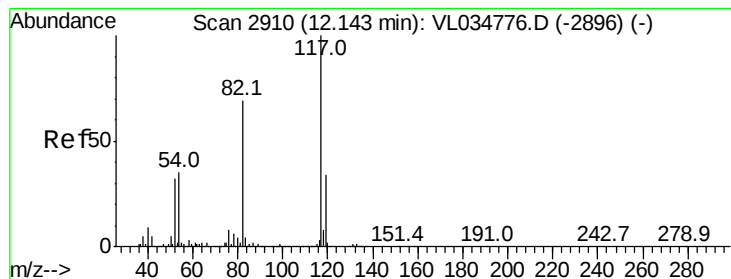
Tgt Ion: 107 Resp: 1157459

Ion Ratio Lower Upper

107 100

109 96.0 75.0 112.6





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.13 min Scan# 2906

Delta R.T. -0.01 min

Lab File: VL034785.D

Acq: 4 Mar 2020 7:52

Instrument :

MSVOA_L

ClientSampleId :

VL0304ABS01

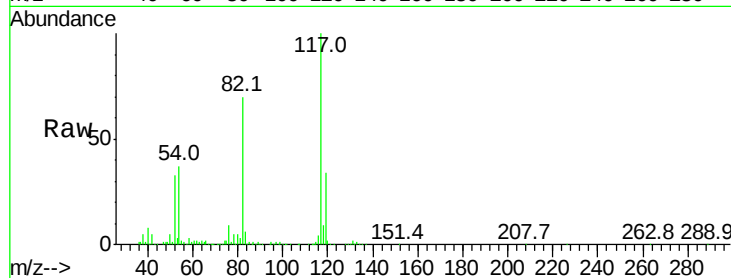
Tgt Ion:117 Resp: 2381193

Ion Ratio Lower Upper

117 100

82 66.4 53.9 80.9

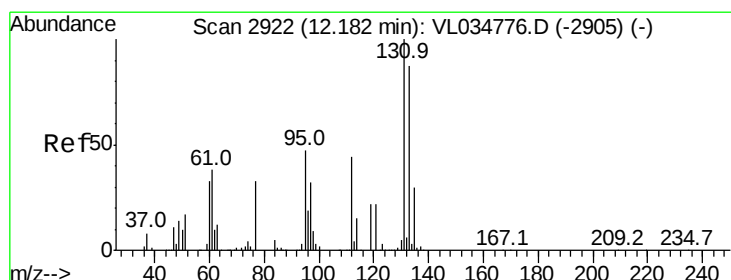
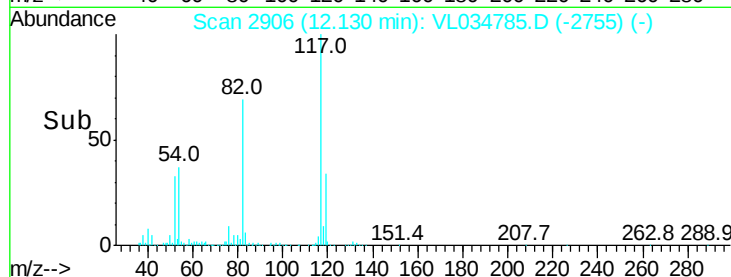
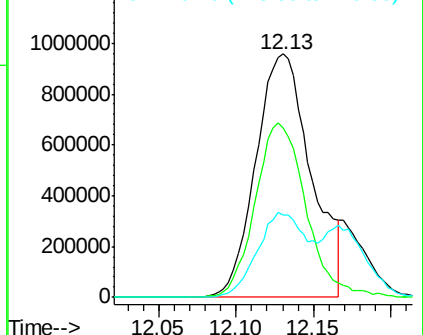
119 32.1 25.0 37.4



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: 8.598 ppbv

RT: 12.17 min Scan# 2917

Delta R.T. -0.02 min

Lab File: VL034785.D

Acq: 4 Mar 2020 7:52

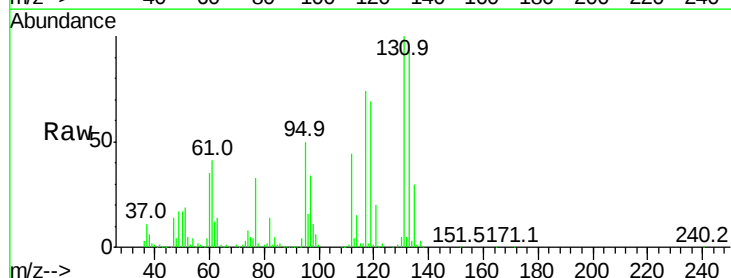
Tgt Ion:131 Resp: 907184

Ion Ratio Lower Upper

131 100

133 96.2 75.4 113.0

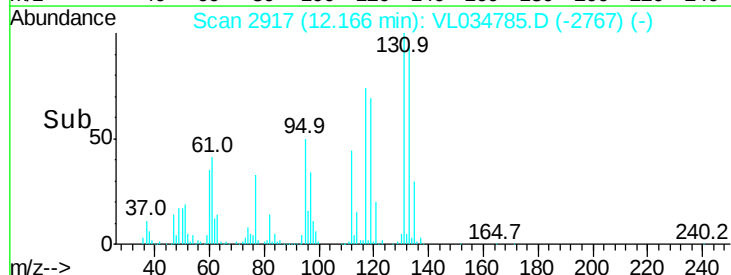
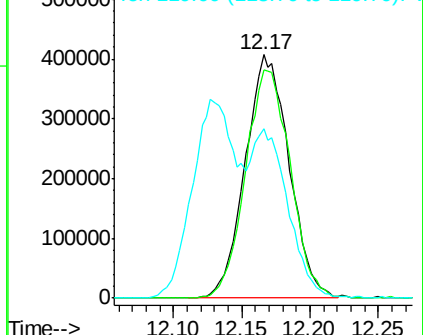
119 58.1 110.5 165.7#

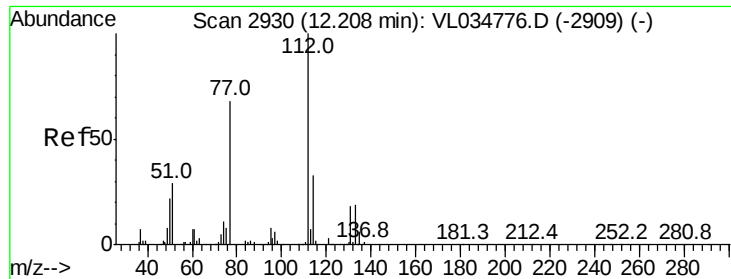


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 4.323 ppbv

RT: 12.19 min Scan# 2923

Delta R.T. -0.02 min

Lab File: VL034785.D

Acq: 4 Mar 2020 7:52

Instrument :

MSVOA_L

ClientSampleId :

VL0304ABS01

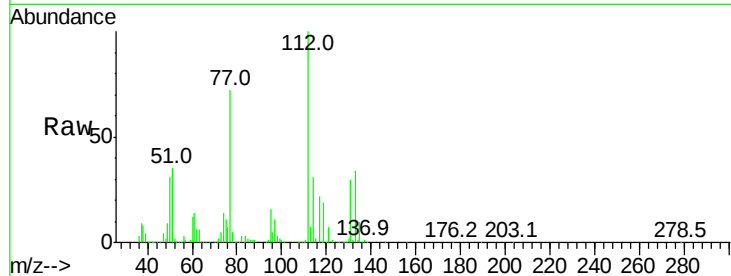
Tgt Ion: 112 Resp: 786378

Ion Ratio Lower Upper

112 100

77 70.1 55.6 83.4

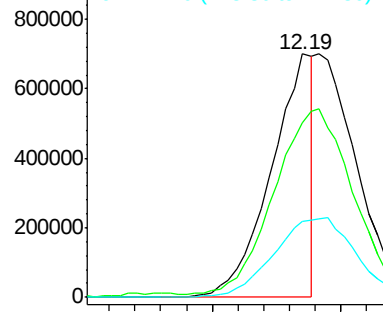
114 31.2 29.4 36.0



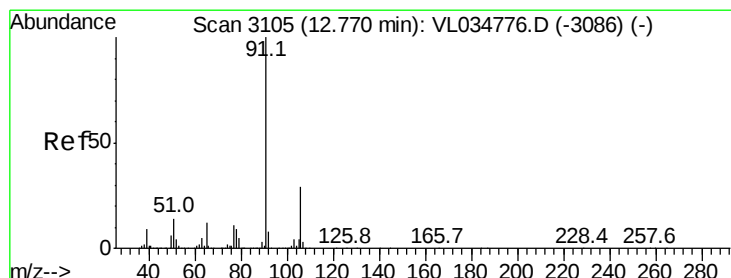
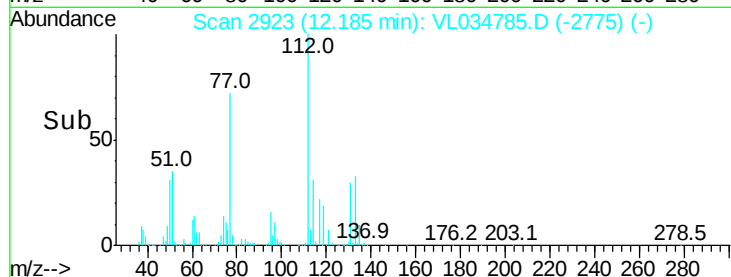
Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



Time-->



#58

Ethyl Benzene

Concen: 9.532 ppbv

RT: 12.75 min Scan# 3099

Delta R.T. -0.02 min

Lab File: VL034785.D

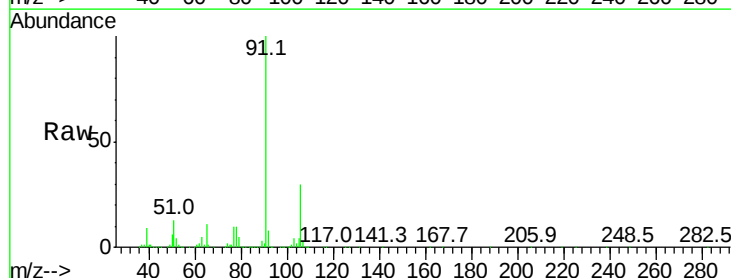
Acq: 4 Mar 2020 7:52

Tgt Ion: 91 Resp: 2797164

Ion Ratio Lower Upper

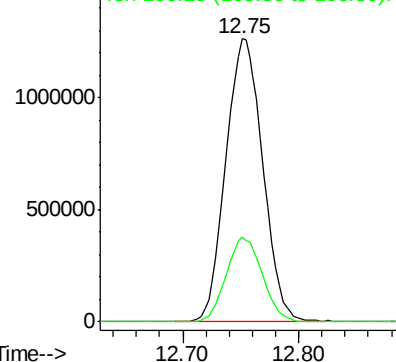
91 100

106 29.9 22.8 34.2

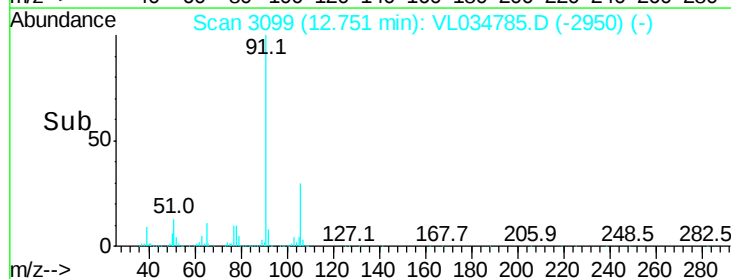


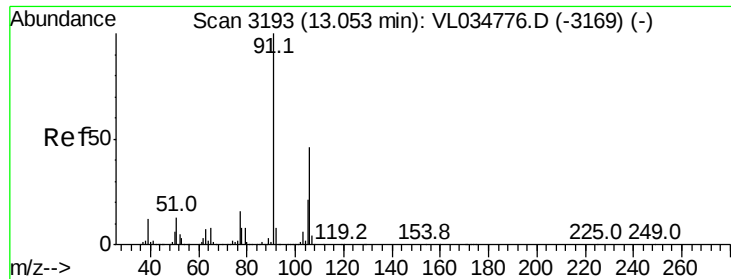
Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



Time-->





#59

m/p-Xylene

Concen: 8.806 ppbv

RT: 13.04 min Scan# 3188

Delta R.T. -0.02 min

Lab File: VL034785.D

Acq: 4 Mar 2020 7:52

Instrument :

MSVOA_L

ClientSampleId :

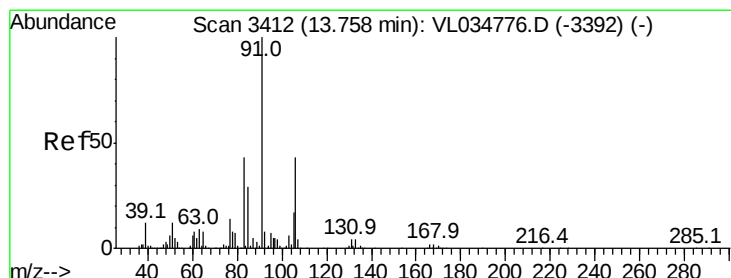
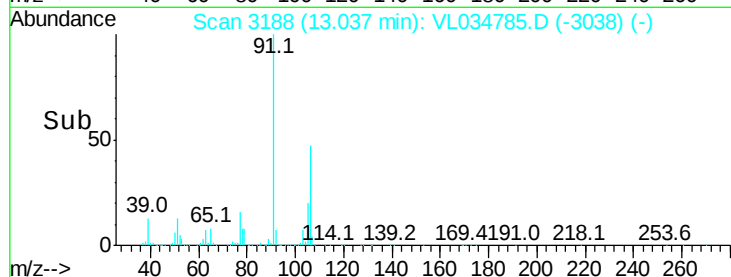
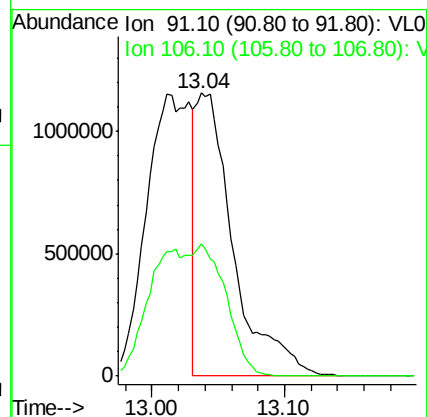
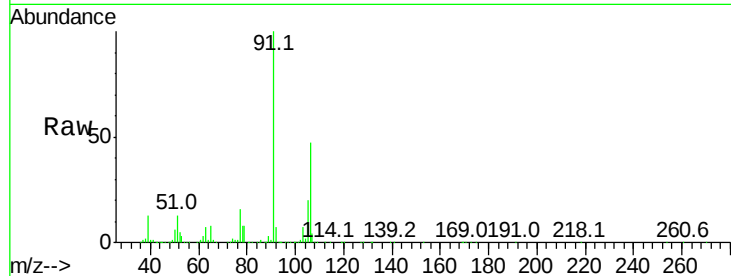
VL0304ABS01

Tgt Ion: 91 Resp: 2236960

Ion Ratio Lower Upper

91 100

106 92.5 35.8 53.8#



#60

o-Xylene

Concen: 9.051 ppbv

RT: 13.74 min Scan# 3407

Delta R.T. -0.02 min

Lab File: VL034785.D

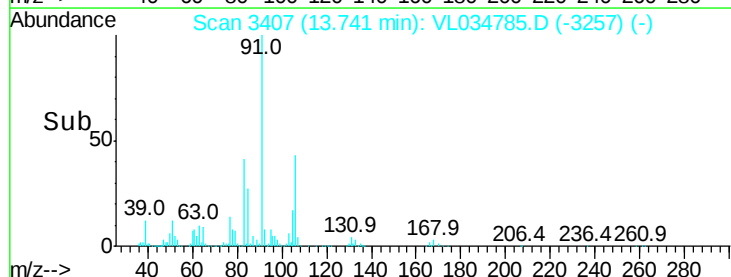
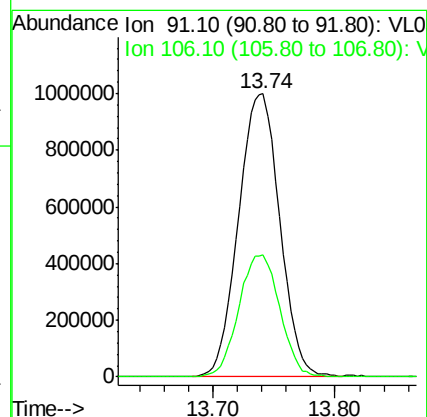
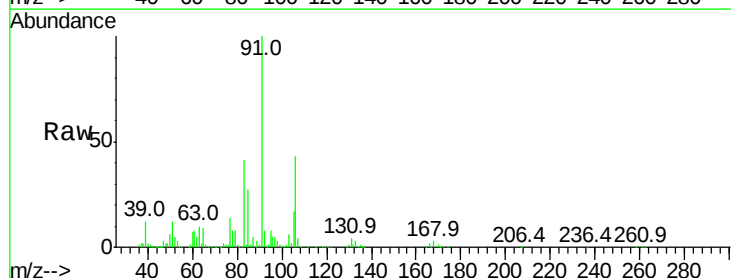
Acq: 4 Mar 2020 7:52

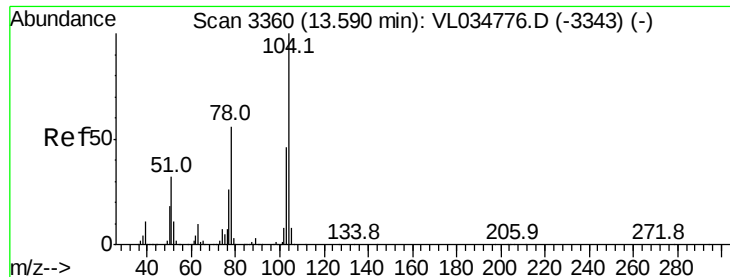
Tgt Ion: 91 Resp: 2326302

Ion Ratio Lower Upper

91 100

106 43.2 21.7 65.1





#61

Styrene

Concen: 10.303 ppbv

RT: 13.57 min Scan# 3355

Delta R.T. -0.02 min

Lab File: VL034785.D

Acq: 4 Mar 2020 7:52

Instrument :

MSVOA_L

ClientSampleId :

VL0304ABS01

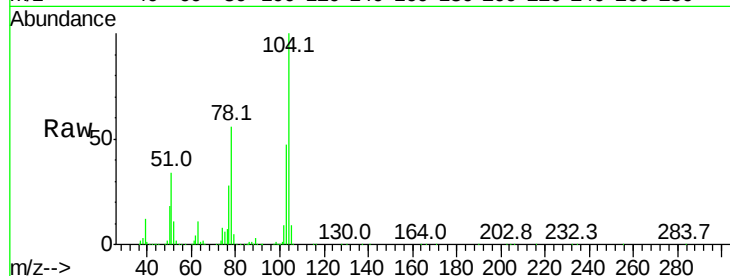
Tgt Ion:104 Resp: 1642659

Ion Ratio Lower Upper

104 100

78 57.2 44.7 67.1

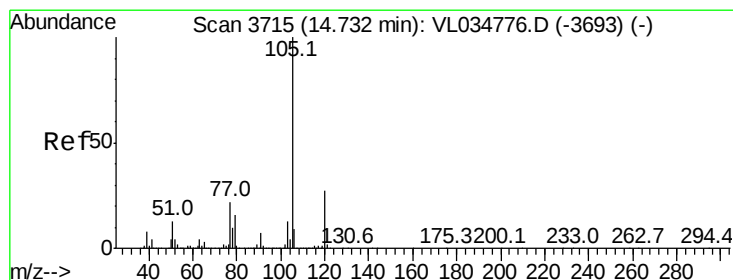
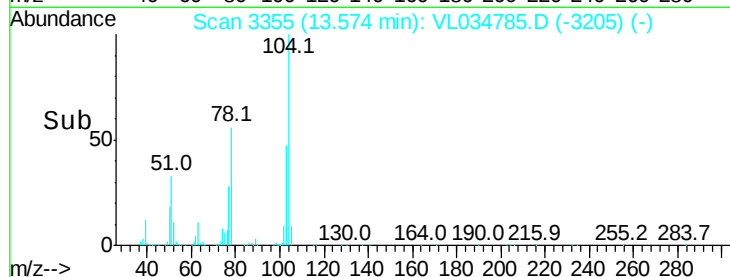
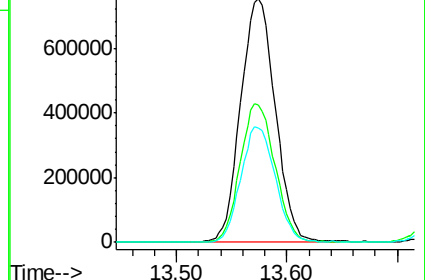
103 47.3 38.2 57.2



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: 8.614 ppbv

RT: 14.71 min Scan# 3709

Delta R.T. -0.02 min

Lab File: VL034785.D

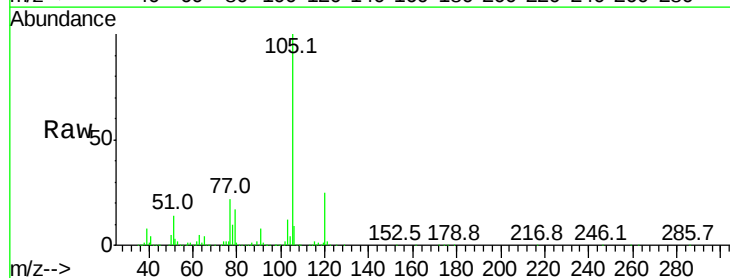
Acq: 4 Mar 2020 7:52

Tgt Ion:105 Resp: 3258337

Ion Ratio Lower Upper

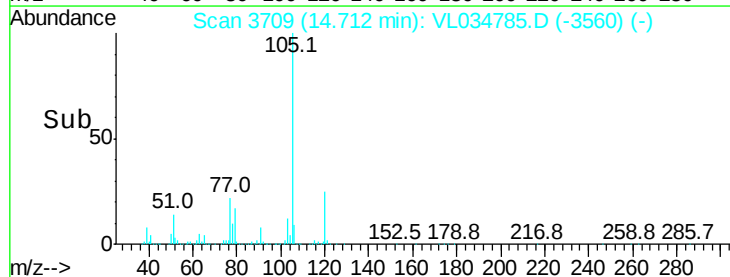
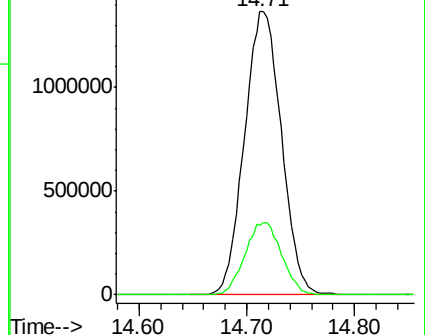
105 100

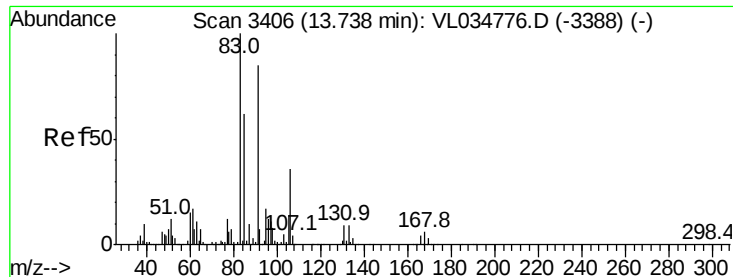
120 25.5 20.5 30.7



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: 8.389 ppbv

RT: 13.73 min Scan# 3402

Delta R.T. -0.01 min

Lab File: VL034785.D

Acq: 4 Mar 2020 7:52

Instrument :

MSVOA_L

ClientSampleId :

VL0304ABS01

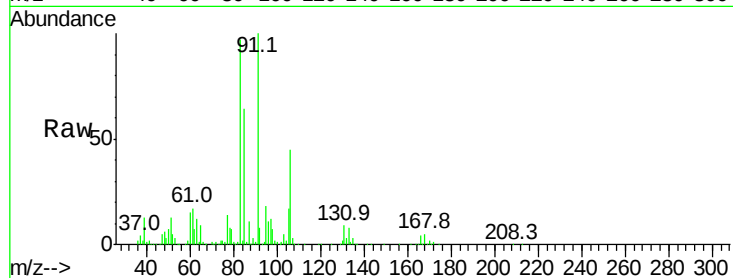
Tgt Ion: 83 Resp: 1699722

Ion Ratio Lower Upper

83 100

131 9.0 4.7 14.0

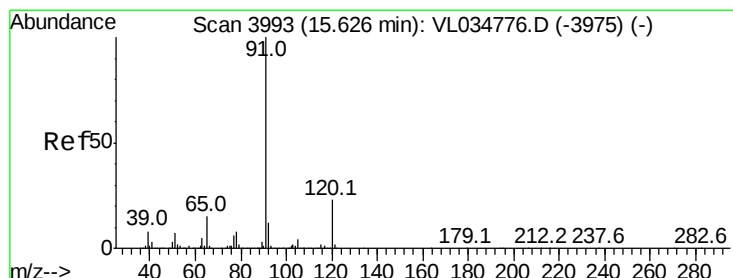
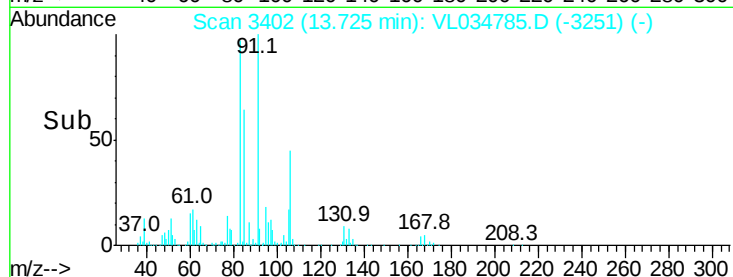
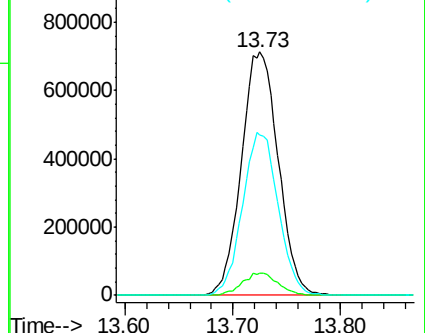
85 64.8 32.9 98.7



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 8.887 ppbv

RT: 15.62 min Scan# 3990

Delta R.T. -0.01 min

Lab File: VL034785.D

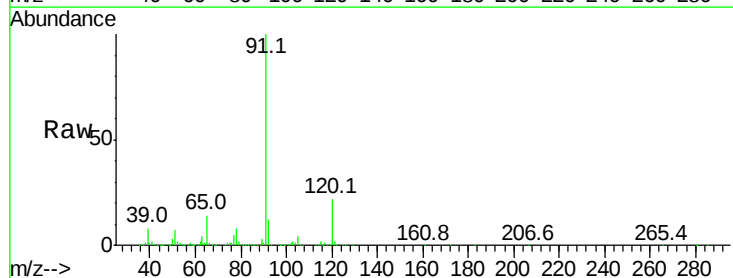
Acq: 4 Mar 2020 7:52

Tgt Ion: 120 Resp: 842843

Ion Ratio Lower Upper

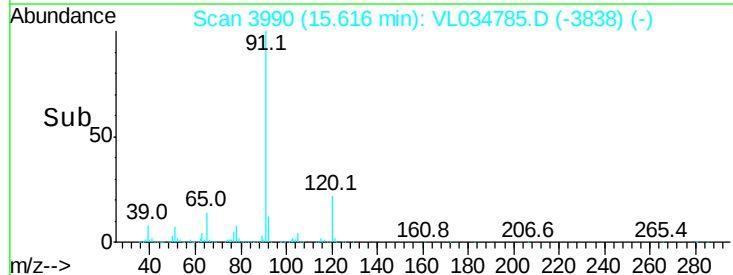
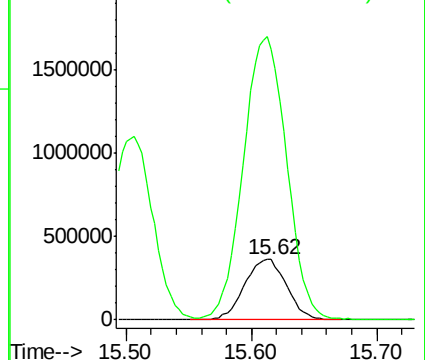
120 100

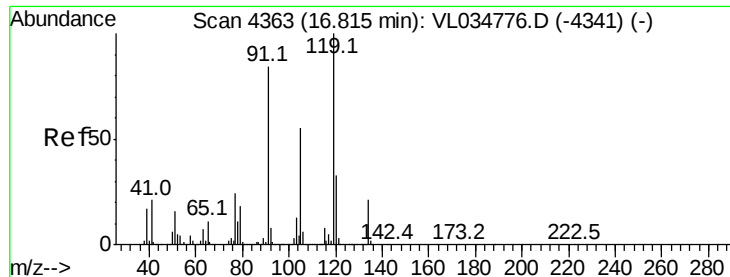
91 483.8 379.4 569.2



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 4.919 ppbv

RT: 16.80 min Scan# 4357

Delta R.T. -0.02 min

Lab File: VL034785.D

Acq: 4 Mar 2020 7:52

Instrument :

MSVOA_L

ClientSampleId :

VL0304ABS01

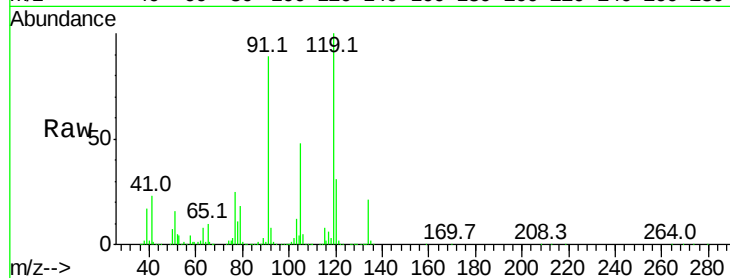
Tgt Ion:119 Resp: 1572447

Ion Ratio Lower Upper

119 100

91 160.3 69.8 104.6#

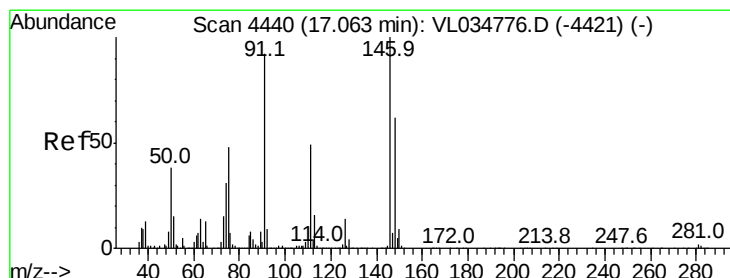
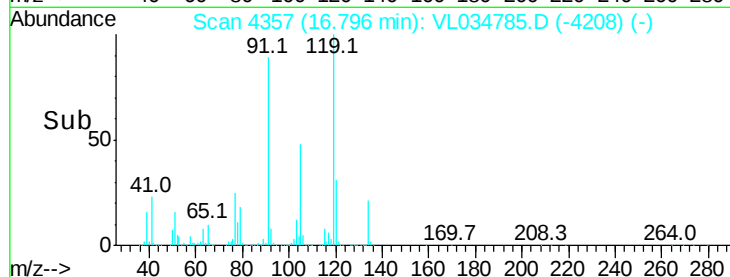
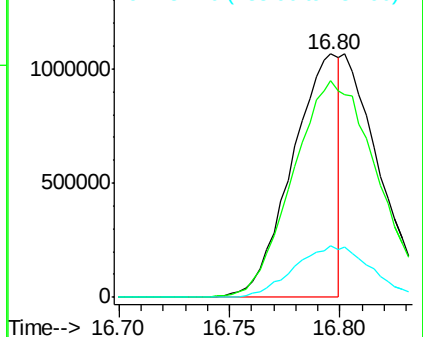
134 34.9 15.9 23.9#



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: 13.196 ppbv

RT: 17.04 min Scan# 4434

Delta R.T. -0.02 min

Lab File: VL034785.D

Acq: 4 Mar 2020 7:52

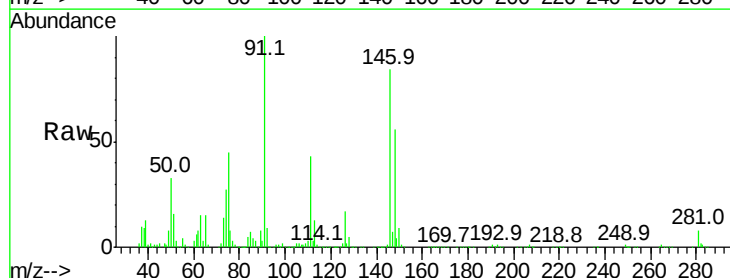
Tgt Ion: 91 Resp: 1363798

Ion Ratio Lower Upper

91 100

126 16.0 12.6 18.8

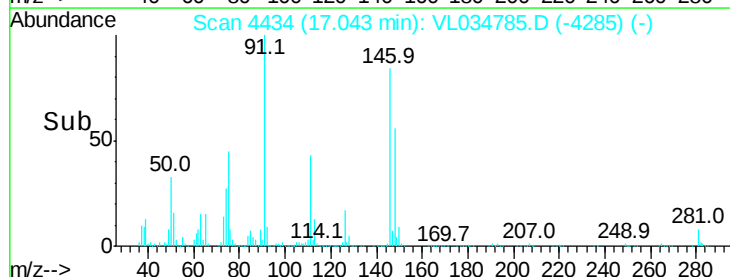
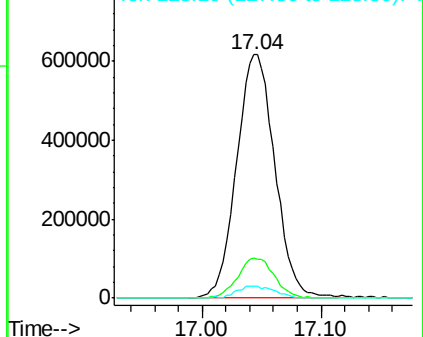
128 5.2 4.3 6.5

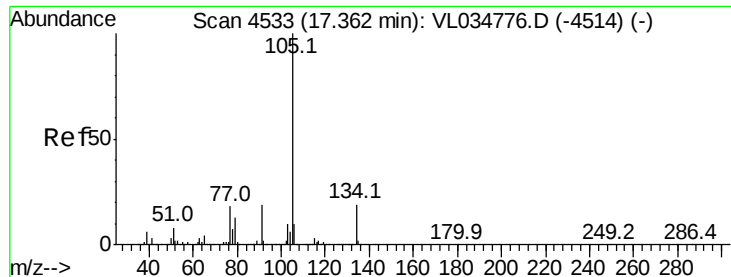


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 8.741 ppbv

RT: 17.35 min Scan# 4529

Delta R.T. -0.01 min

Lab File: VL034785.D

Acq: 4 Mar 2020 7:52

Instrument :

MSVOA_L

ClientSampleId :

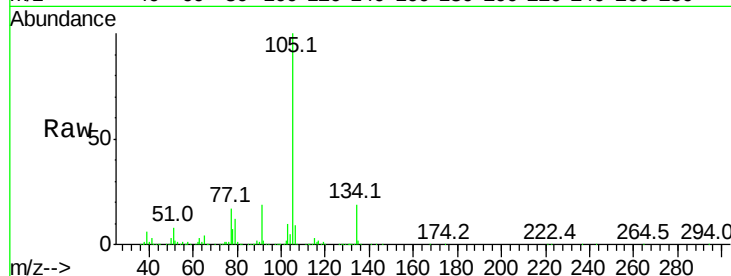
VL0304ABS01

Tgt Ion:105 Resp: 4071748

Ion Ratio Lower Upper

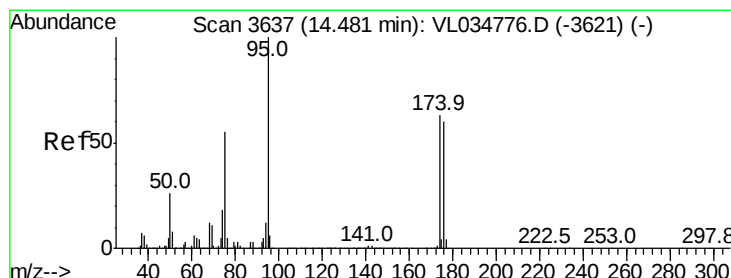
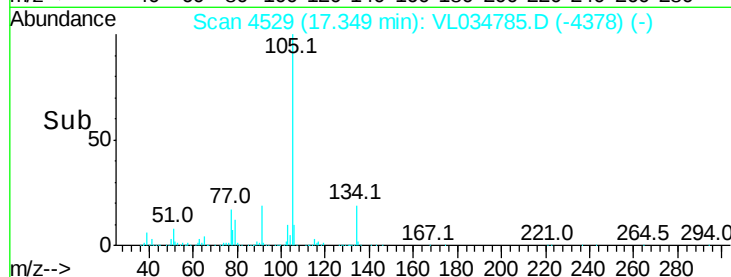
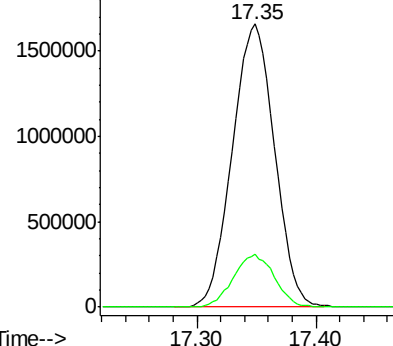
105 100

134 18.2 14.7 22.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.561 ppbv

RT: 14.46 min Scan# 3632

Delta R.T. -0.02 min

Lab File: VL034785.D

Acq: 4 Mar 2020 7:52

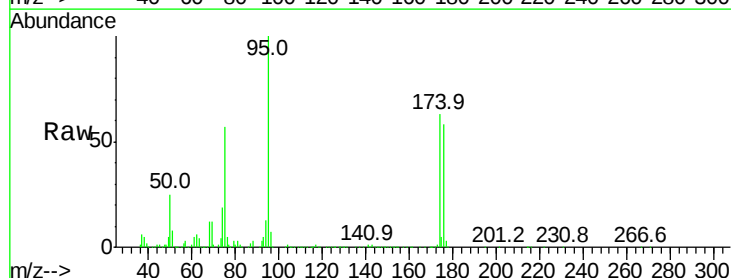
Tgt Ion: 95 Resp: 1898403

Ion Ratio Lower Upper

95 100

174 62.3 50.6 76.0

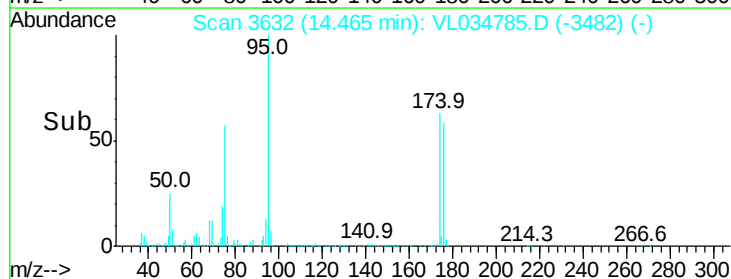
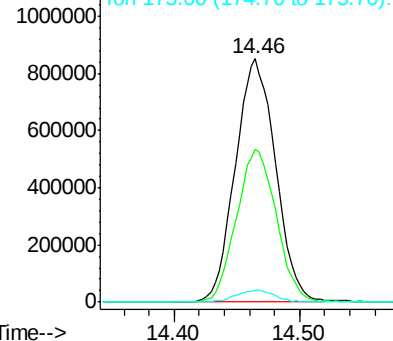
175 4.7 3.8 5.6

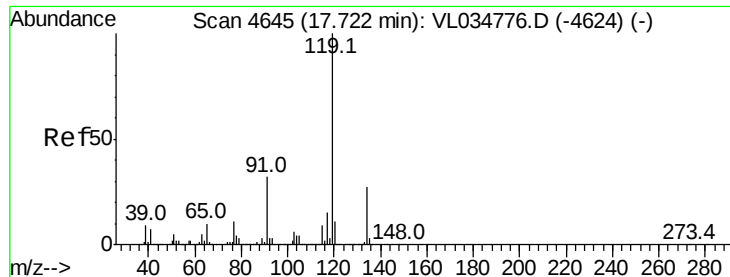


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V



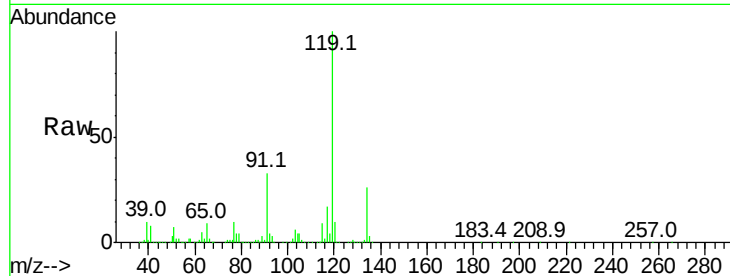


#69
 p-Isopropyltoluene
 Concen: 8.901 ppbv
 RT: 17.71 min Scan# 4640
 Delta R.T. -0.02 min
 Lab File: VL034785.D
 Acq: 4 Mar 2020 7:52

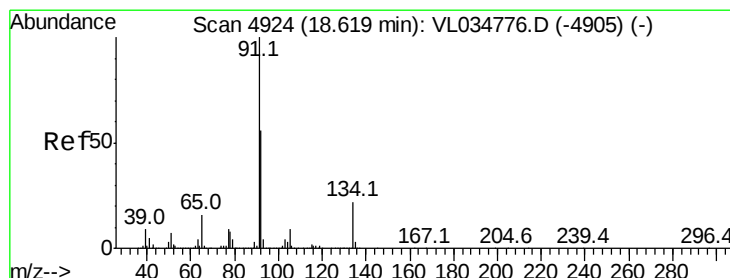
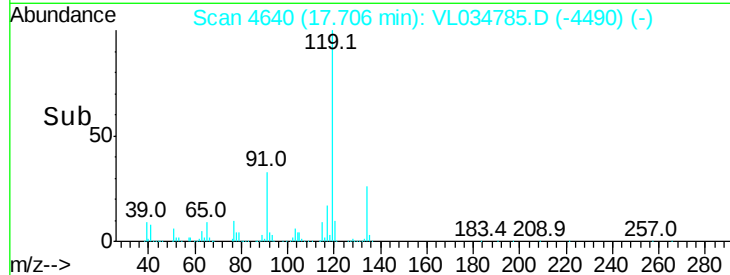
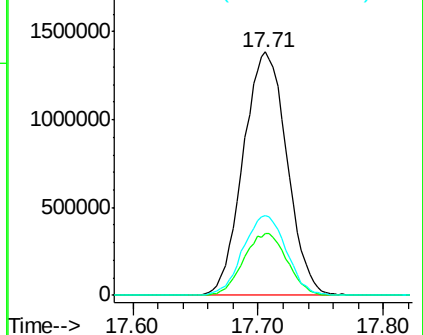
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0304ABS01

Tgt Ion: 119 Resp: 3355471

Ion	Ratio	Lower	Upper
119	100		
134	25.3	20.6	30.8
91	32.6	25.3	37.9



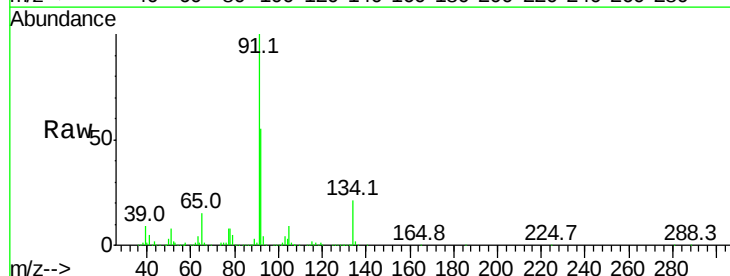
Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V



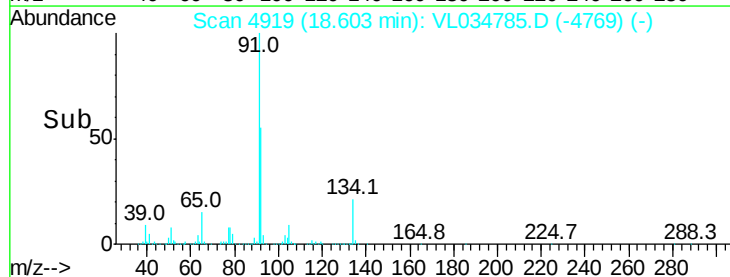
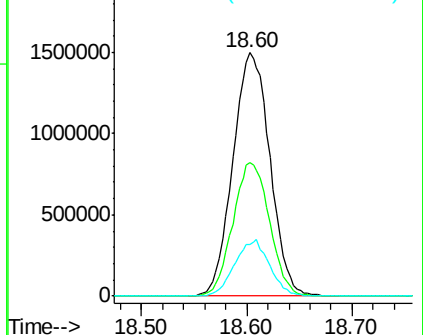
#70
 n-Butylbenzene
 Concen: 8.832 ppbv
 RT: 18.60 min Scan# 4919
 Delta R.T. -0.02 min
 Lab File: VL034785.D
 Acq: 4 Mar 2020 7:52

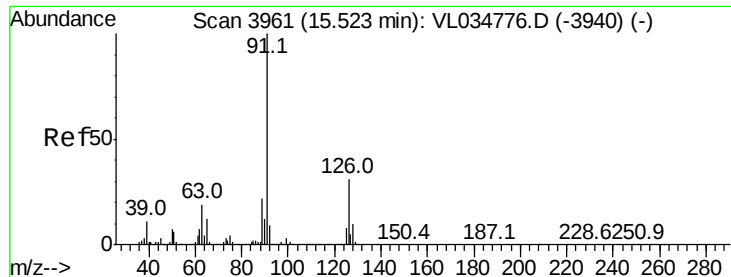
Tgt Ion: 91 Resp: 3640385

Ion	Ratio	Lower	Upper
91	100		
92	54.5	44.0	66.0
134	21.8	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: 9.055 ppbv

RT: 15.51 min Scan# 3956

Delta R.T. -0.02 min

Lab File: VL034785.D

Acq: 4 Mar 2020 7:52

Instrument :

MSVOA_L

ClientSampleId :

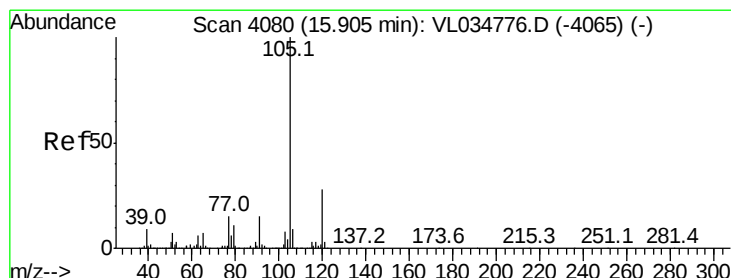
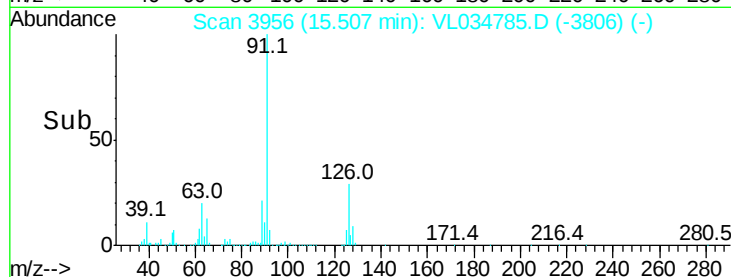
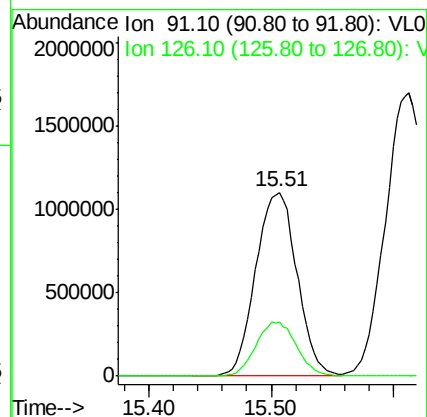
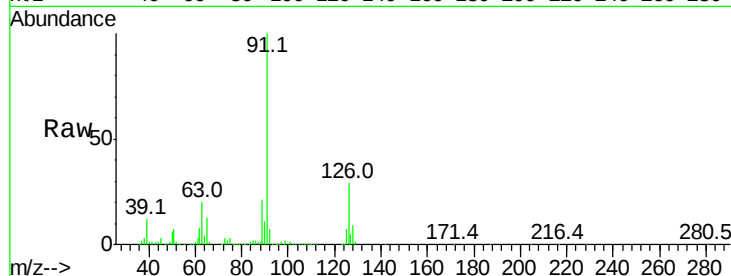
VL0304ABS01

Tgt Ion: 91 Resp: 2587049

Ion Ratio Lower Upper

91 100

126 28.9 11.7 46.7



#72

4-Ethyltoluene

Concen: 9.478 ppbv

RT: 15.89 min Scan# 4076

Delta R.T. -0.01 min

Lab File: VL034785.D

Acq: 4 Mar 2020 7:52

Tgt Ion: 105 Resp: 2712111

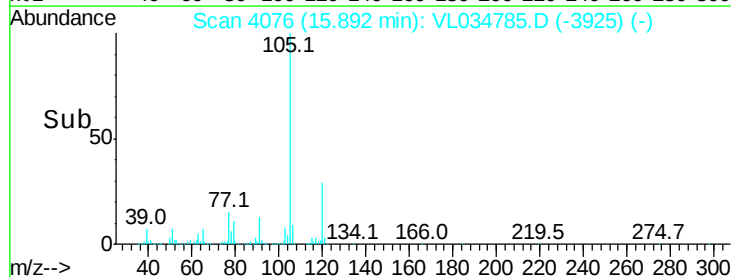
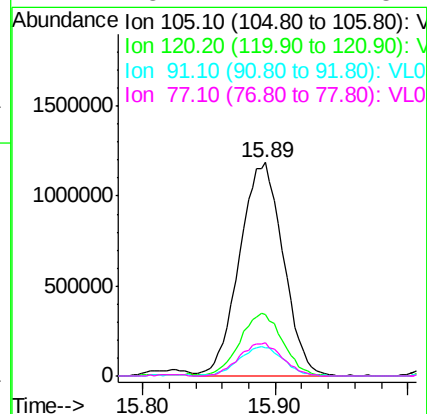
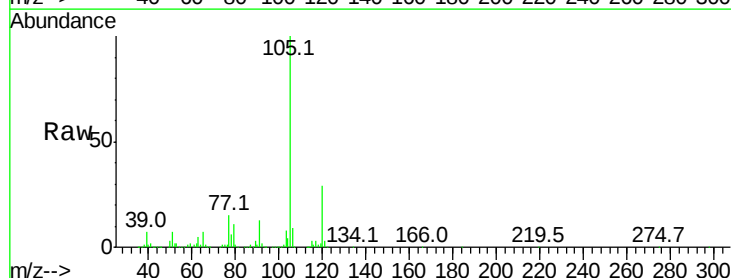
Ion Ratio Lower Upper

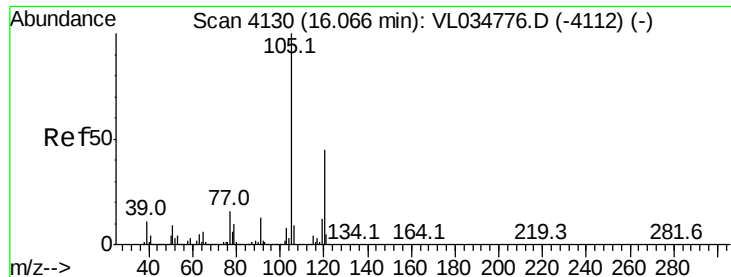
105 100

120 29.7 23.0 34.6

91 13.9 11.1 16.7

77 15.4 12.2 18.4





#73

1,3,5-Trimethylbenzene

Concen: 9.362 ppbv

RT: 16.05 min Scan# 4125

Delta R.T. -0.02 min

Lab File: VL034785.D

Acq: 4 Mar 2020 7:52

Instrument :

MSVOA_L

ClientSampleId :

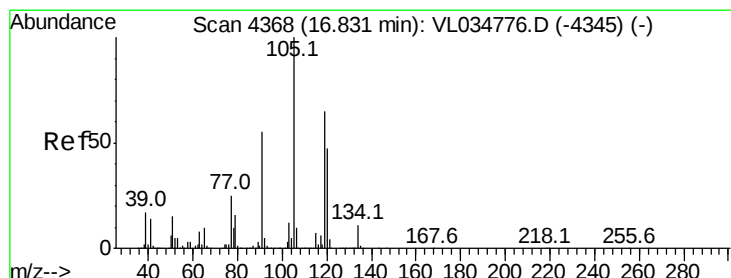
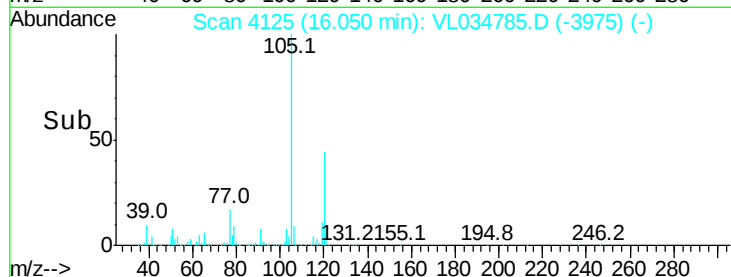
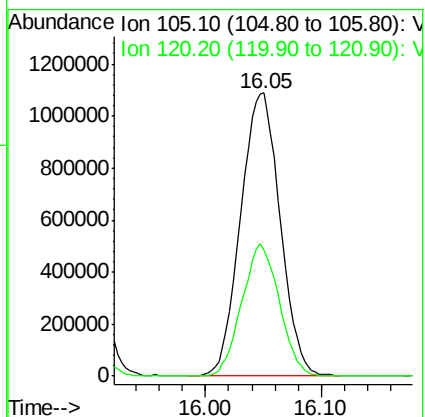
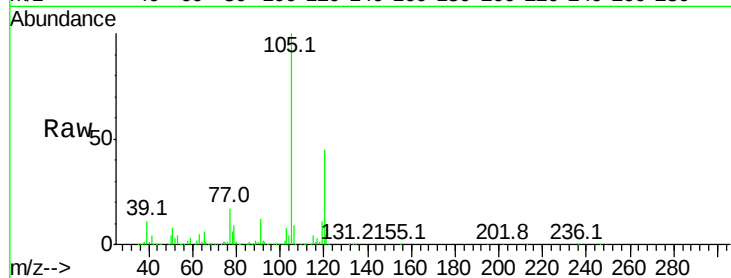
VL0304ABS01

Tgt Ion:105 Resp: 2569622

Ion Ratio Lower Upper

105 100

120 44.5 35.6 53.4



#74

1,2,4-Trimethylbenzene

Concen: 8.943 ppbv

RT: 16.82 min Scan# 4363

Delta R.T. -0.02 min

Lab File: VL034785.D

Acq: 4 Mar 2020 7:52

Tgt Ion:105 Resp: 2668648

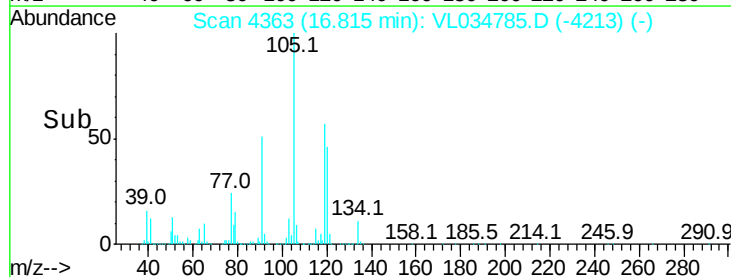
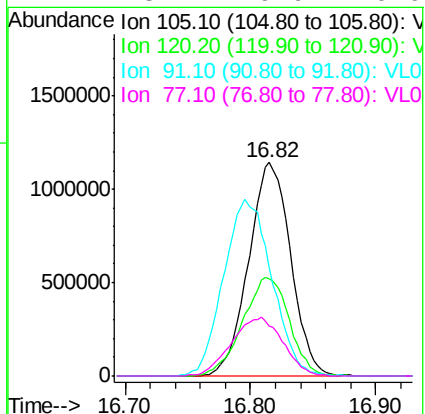
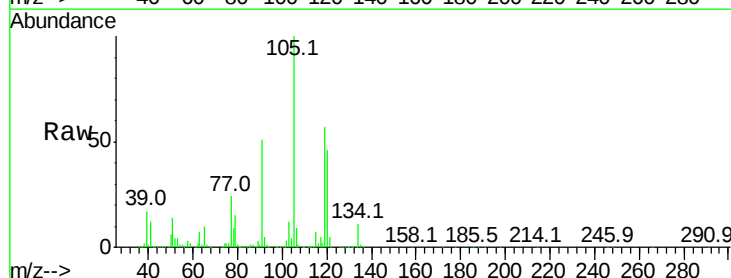
Ion Ratio Lower Upper

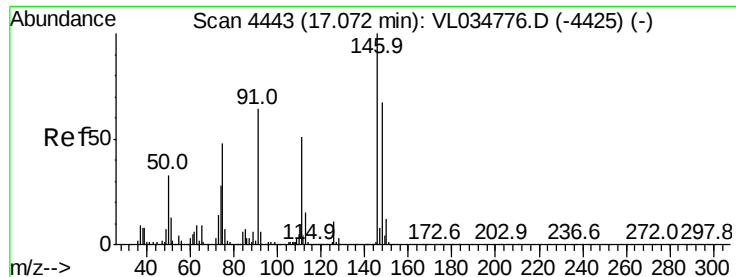
105 100

120 45.5 37.8 56.6

91 50.7 43.8 65.8

77 23.7 19.9 29.9





#75

1,3-Dichlorobenzene

Concen: 8.586 ppbv

RT: 17.05 min Scan# 4437

Delta R.T. -0.02 min

Lab File: VL034785.D

Acq: 4 Mar 2020 7:52

Instrument :

MSVOA_L

ClientSampleId :

VL0304ABS01

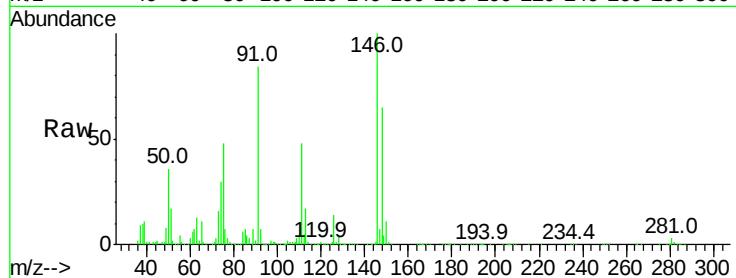
Tgt Ion:146 Resp: 1516579

Ion Ratio Lower Upper

146 100

111 48.9 24.7 74.1

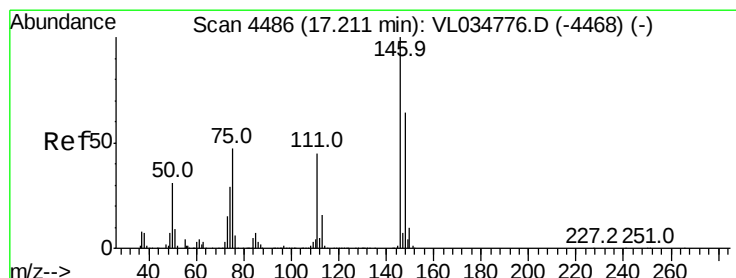
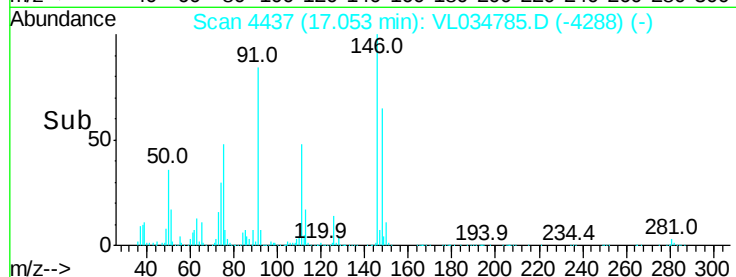
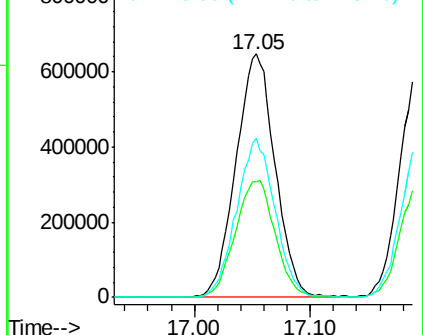
148 64.2 31.8 95.4



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: 8.994 ppbv

RT: 17.20 min Scan# 4482

Delta R.T. -0.01 min

Lab File: VL034785.D

Acq: 4 Mar 2020 7:52

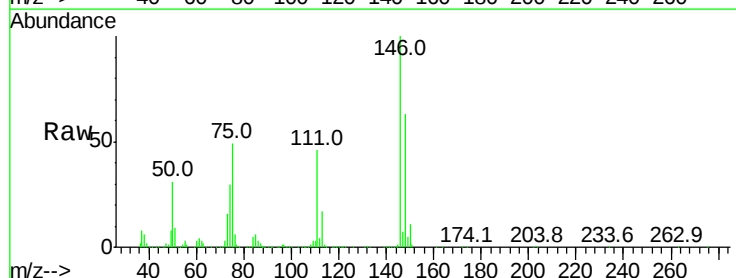
Tgt Ion:146 Resp: 1520134

Ion Ratio Lower Upper

146 100

111 47.7 23.5 70.5

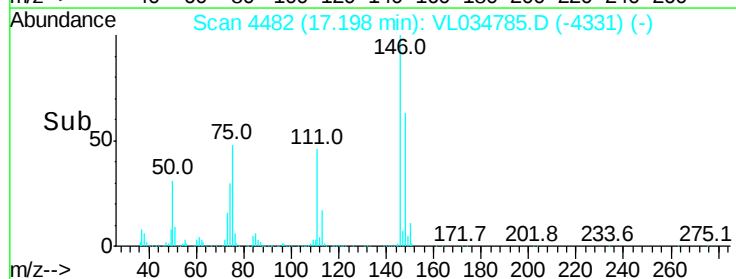
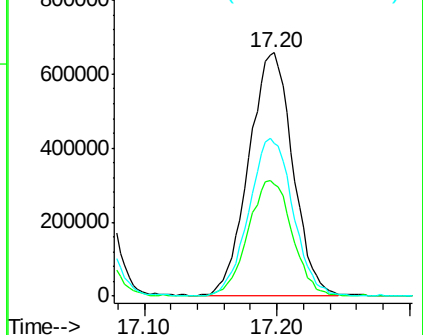
148 65.4 32.2 96.6

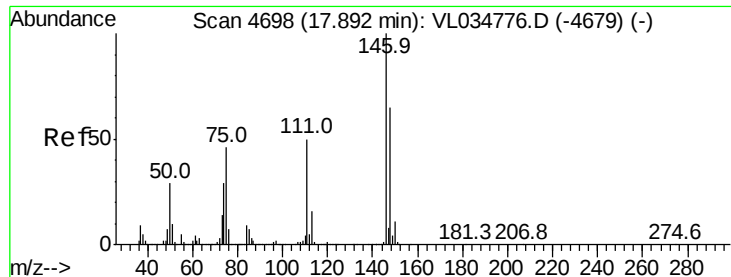


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 8.793 ppbv

RT: 17.88 min Scan# 4693

Delta R.T. -0.02 min

Lab File: VL034785.D

Acq: 4 Mar 2020 7:52

Instrument :

MSVOA_L

ClientSampleId :

VL0304ABS01

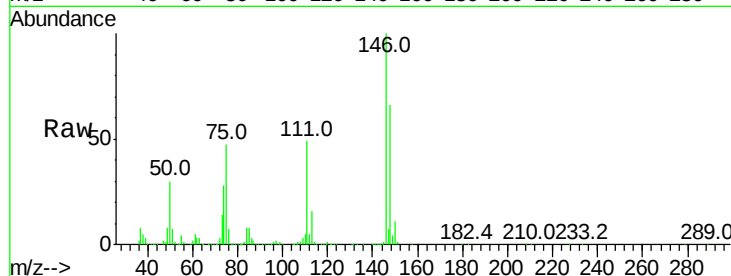
Tgt Ion:146 Resp: 1485758

Ion Ratio Lower Upper

146 100

111 49.8 25.3 75.8

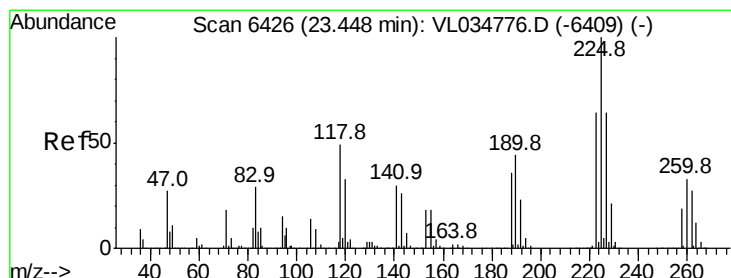
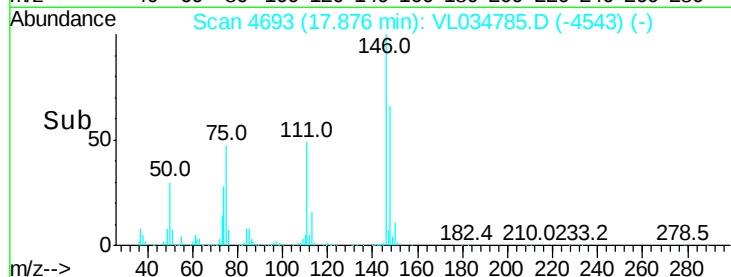
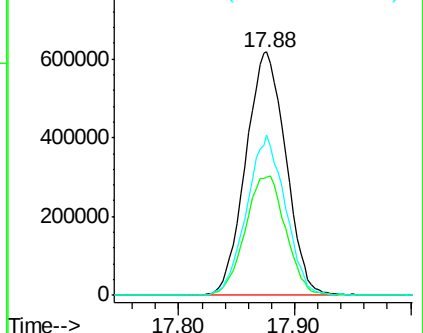
148 63.4 32.3 96.9



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: 8.320 ppbv

RT: 23.44 min Scan# 6422

Delta R.T. -0.01 min

Lab File: VL034785.D

Acq: 4 Mar 2020 7:52

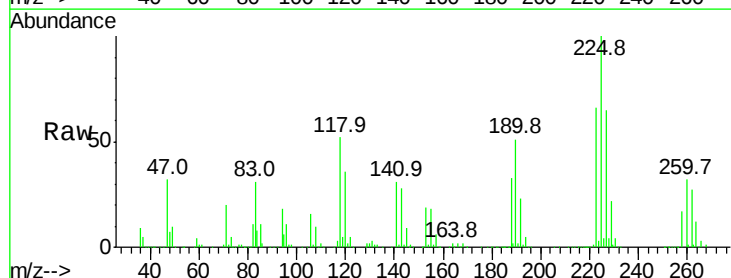
Tgt Ion:225 Resp: 1173312

Ion Ratio Lower Upper

225 100

223 63.3 51.3 76.9

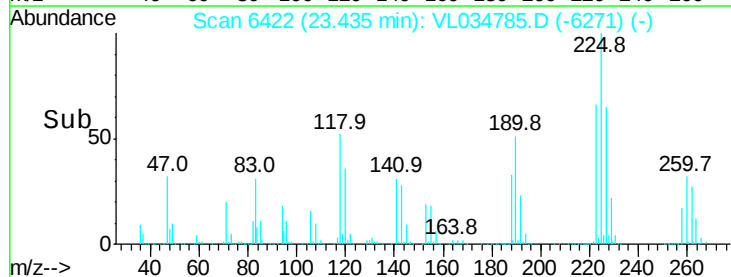
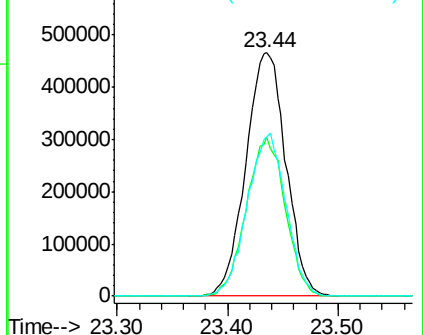
227 64.8 51.9 77.9

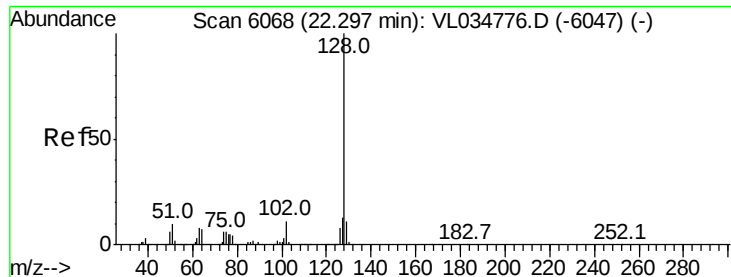


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 11.239 ppbv

RT: 22.27 min Scan# 6061

Delta R.T. -0.02 min

Lab File: VL034785.D

Acq: 4 Mar 2020 7:52

Instrument :

MSVOA_L

ClientSampleId :

VL0304ABS01

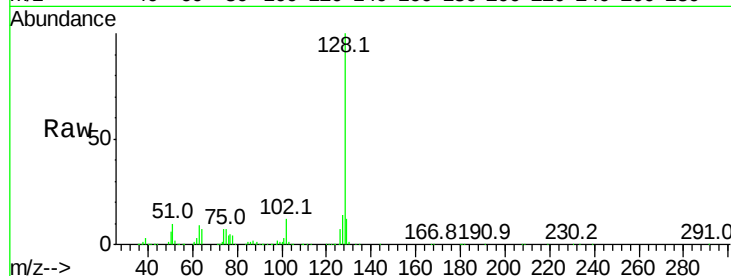
Tgt Ion:128 Resp: 2520295

Ion Ratio Lower Upper

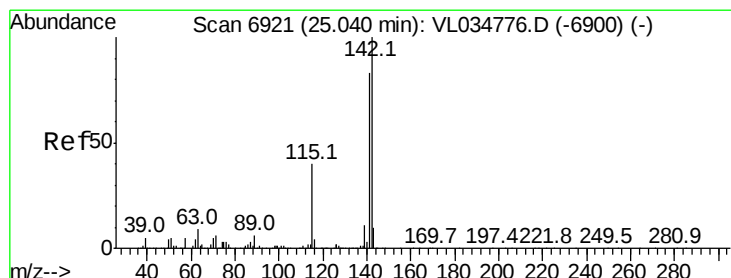
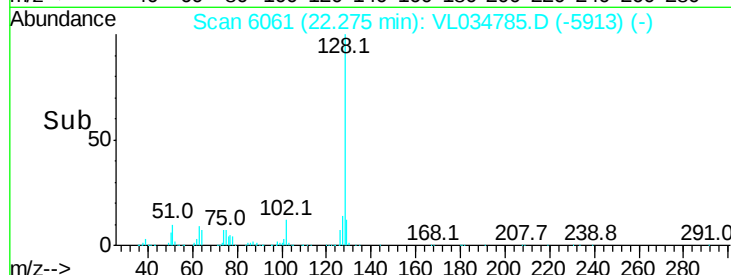
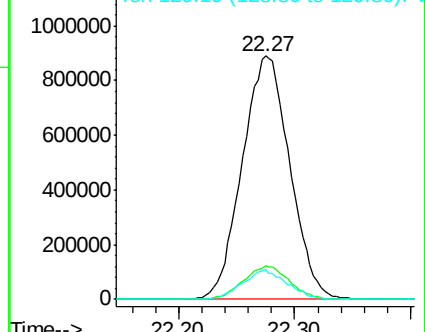
128 100

127 13.8 10.2 15.4

129 12.1 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: 10.549 ppbv

RT: 25.02 min Scan# 6916

Delta R.T. -0.02 min

Lab File: VL034785.D

Acq: 4 Mar 2020 7:52

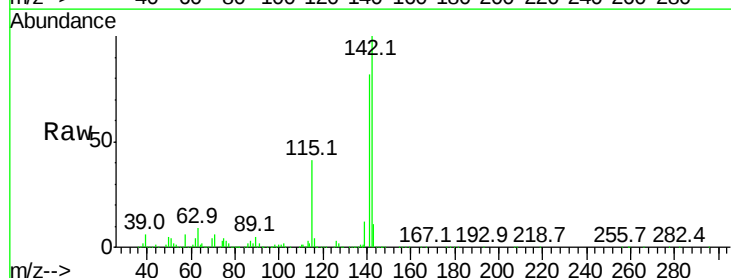
Tgt Ion:142 Resp: 564978

Ion Ratio Lower Upper

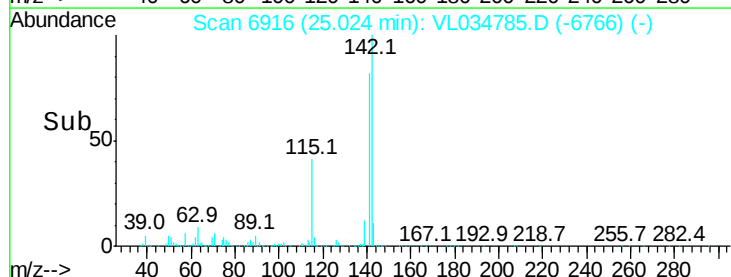
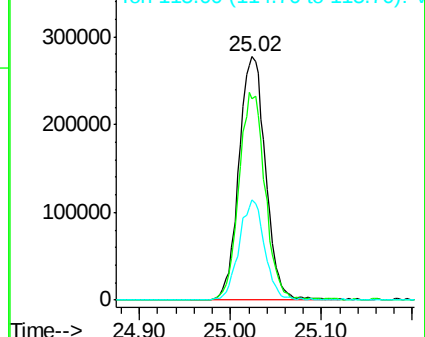
142 100

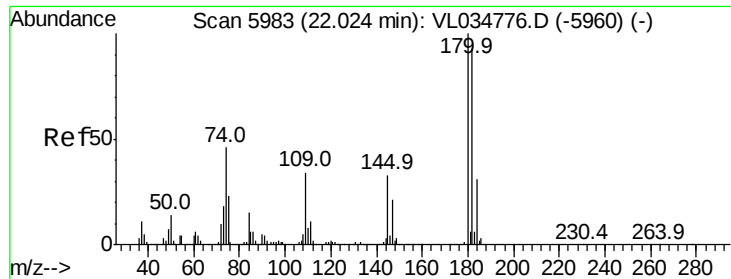
141 84.2 67.7 101.5

115 39.9 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: 9.645 ppbv

RT: 22.00 min Scan# 5976

Delta R.T. -0.02 min

Lab File: VL034785.D

Acq: 4 Mar 2020 7:52

Instrument :

MSVOA_L

ClientSampleId :

VL0304ABS01

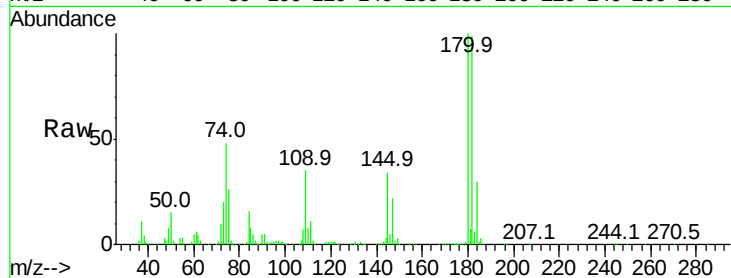
Tgt Ion:180 Resp: 1367174

Ion Ratio Lower Upper

180 100

182 96.9 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

