

Data File : VL034685.D
Acq On : 26 Feb 2020 8:55
Operator : SY/AP
Sample : VL0226ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0226ABS01

Quant Time: Feb 27 07:26:06 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022620AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 26 06:58:15 2020
QLast Update : Wed Feb 26 06:58:15 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1096563	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2272905	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	2854926	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	1952362	8.34	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	83.40%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.01	85	1307360	7.558	ppbv	96
3) Chlorodifluoromethane	2.95	51	1065856	9.007	ppbv	100
4) Chloromethane	3.10	50	620627	9.369	ppbv	100
5) Vinyl Chloride	3.22	62	615706	9.474	ppbv	99
6) Bromomethane	3.44	94	357198	9.382	ppbv	92
7) Chloroethane	3.52	64	224359	9.299	ppbv	93
8) Dichlorotetrafluoroethane	3.15	85	1338029	8.745	ppbv	100
9) Propene	2.97	41	459792	9.295	ppbv	100
10) Heptane	8.13	43	1293337	10.158	ppbv	100
11) Trichlorofluoromethane	3.92	101	1374853	9.074	ppbv	93
12) 1,1,2-Trichlorotrifluoroet	4.47	101	951548	8.910	ppbv	99
13) Ethanol	3.57	45	121232	7.758	ppbv	95
14) Bromoethene	3.71	108	411685	9.239	ppbv	99
15) Acetone	3.82	43	1081448	8.655	ppbv	100
16) 1,3-Butadiene	3.29	39	556001	9.612	ppbv	99
17) tert-Butyl alcohol	4.27	59	885901	9.252	ppbv	99
18) 1,1-Dichloroethene	4.27	96	444430	9.269	ppbv	92
19) Isopropyl Alcohol	3.94	45	742202	9.972	ppbv	99
20) Methylene Chloride	4.32	84	390303	8.399	ppbv	94
21) Allyl Chloride	4.39	41	785916	9.506	ppbv	99
22) trans-1,2-Dichloroethene	4.87	96	441432	9.442	ppbv	98
23) Vinyl Acetate	5.06	43	1716661	10.106	ppbv	99
24) 1,1-Dichloroethane	5.00	63	1241267	9.149	ppbv	100
25) Ethyl Acetate	5.67	43	2092116	9.458	ppbv	100
26) Hexane	5.68	57	974809	9.562	ppbv	98
27) Carbon Disulfide	4.53	76	1170279	10.113	ppbv	99
28) Methyl tert-Butyl Ether	5.01	73	1317433	9.046	ppbv	100
29) Chloroform	5.75	83	1493387	9.194	ppbv	98
30) Cyclohexane	7.13	84	790136	10.000	ppbv	99
31) cis-1,2-Dichloroethene	5.54	61	1006714	10.034	ppbv	95
32) 1,1,1-Trichloroethane	6.51	97	1402425	9.246	ppbv	98
34) 2-Butanone	5.23	43	1405624	9.825	ppbv	99
35) Carbon Tetrachloride	7.02	117	1475306	9.692	ppbv	100
36) Benzene	6.90	78	1905525	9.707	ppbv	97
37) 1,2-Dichloroethane	6.31	62	1221893	9.874	ppbv	99
38) Trichloroethene	7.85	130	716372	9.467	ppbv	95
39) 1,2-Dichloropropane	7.62	63	775065	9.924	ppbv	96
40) 1,4-Dioxane	7.85	88	142484	5.365	ppbv #	1
41) Tetrahydrofuran	6.04	42	774649	10.259	ppbv	99
42) Bromodichloromethane	7.80	83	1620035	10.000	ppbv	100
43) Methyl Methacrylate	8.02	69	853000	10.331	ppbv	100

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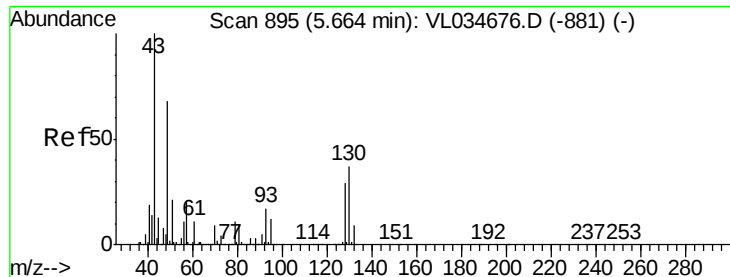
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	3359005	9.790	ppbv	99
45) t-1,3-Dichloropropene	9.30	75	1032747	11.462	ppbv	96
46) cis-1,3-Dichloropropene	8.72	75	1192047	11.031	ppbv	96
47) 1,1,2-Trichloroethane	9.50	97	790531	9.866	ppbv	97
48) Dibromochloromethane	10.33	129	1308872	10.505	ppbv	99
49) Bromoform	13.07	173	1152180	10.666	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	2143306	10.577	ppbv	99
51) 2-Hexanone	10.15	43	1798127	11.276	ppbv #	99
52) Tetrachloroethene	11.25	164	661896	9.198	ppbv	98
53) Toluene	9.82	91	2204400	10.558	ppbv	99
54) 1,2-Dibromoethane	10.63	107	1208654	10.111	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.15	131	911549	7.497	ppbv #	55
57) Chlorobenzene	12.18	112	1630322	7.726	ppbv	98
58) Ethyl Benzene	12.74	91	2936486	8.502	ppbv	98
59) m/p-Xylene	13.03	91	1839221	6.105	ppbv #	1
60) o-Xylene	13.72	91	2425777	8.114	ppbv	99
61) Styrene	13.56	104	1731107	9.015	ppbv	99
62) Isopropylbenzene	14.70	105	3408851	7.817	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.71	83	1747922	7.502	ppbv	100
64) n-propylbenzene	15.60	120	894394	7.955	ppbv	95
65) tert-Butylbenzene	16.79	119	2897969	7.696	ppbv	98
66) Benzyl Chloride	17.03	91	1371479	9.764	ppbv	99
67) sec-Butylbenzene	17.34	105	4178658	7.712	ppbv	99
69) p-Isopropyltoluene	17.69	119	3468723	7.776	ppbv	99
70) n-Butylbenzene	18.59	91	3722294	7.664	ppbv	100
71) 2-Chlorotoluene	15.49	91	2678871	7.931	ppbv	100
72) 4-Ethyltoluene	15.88	105	2774124	8.337	ppbv	100
73) 1,3,5-Trimethylbenzene	16.03	105	2639411	8.246	ppbv	98
74) 1,2,4-Trimethylbenzene	16.81	105	2731893	7.728	ppbv #	88
75) 1,3-Dichlorobenzene	17.04	146	1563808	7.664	ppbv	100
76) 1,4-Dichlorobenzene	17.18	146	1585848	7.768	ppbv	99
77) 1,2-Dichlorobenzene	17.86	146	1526566	7.738	ppbv	99
78) Hexachloro-1,3-Butadiene	23.43	225	1241154	7.226	ppbv	100
79) Naphthalene	22.26	128	2662244	8.557	ppbv	98
80) Naphthalene,2-methyl-	25.02	142	1032784	10.763	ppbv	96
81) 1,2,4-Trichlorobenzene	21.99	180	1407820	7.582	ppbv	98

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

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 893

Delta R.T. -0.01 min

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VL0226ABS01

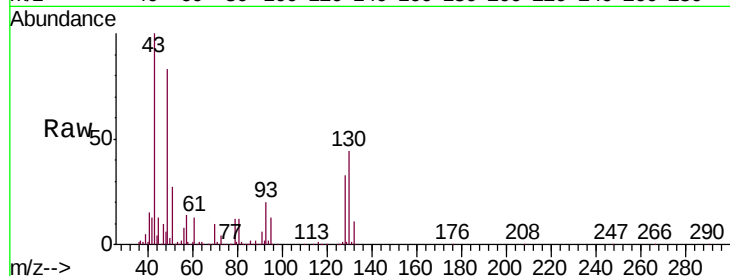
Tgt Ion: 49 Resp: 1096563

Ion Ratio Lower Upper

49 100

128 43.1 21.6 65.0

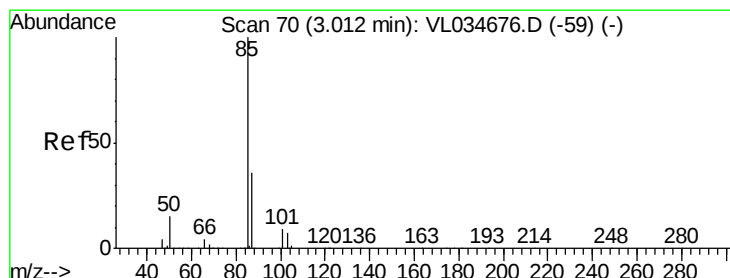
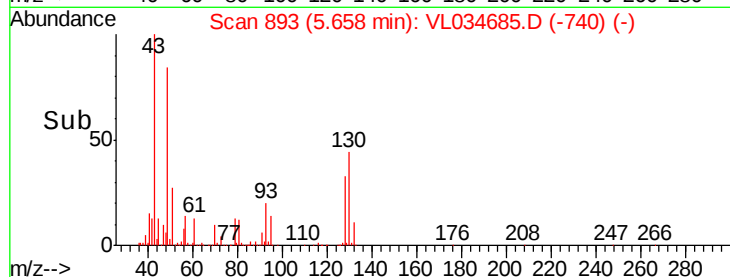
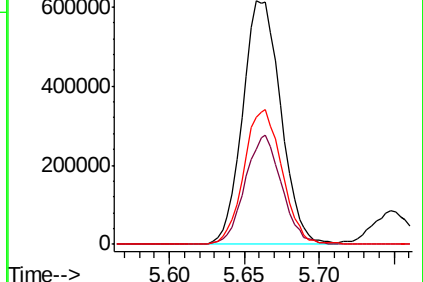
130 55.3 27.7 83.1



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 7.558 ppbv

RT: 3.01 min Scan# 70

Delta R.T. -0.00 min

Lab File: VL034685.D

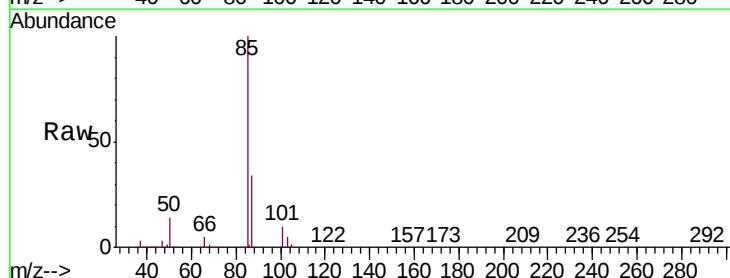
Acq: 26 Feb 2020 8:55

Tgt Ion: 85 Resp: 1307360

Ion Ratio Lower Upper

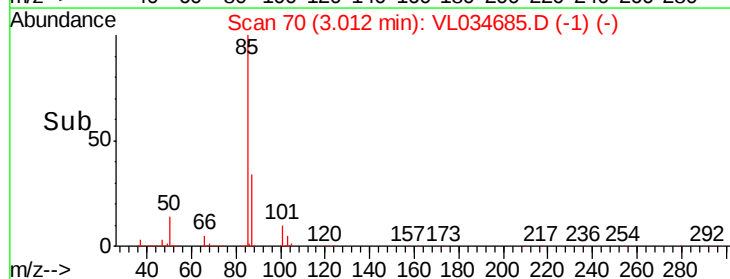
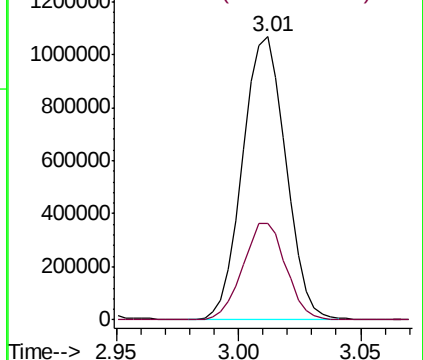
85 100

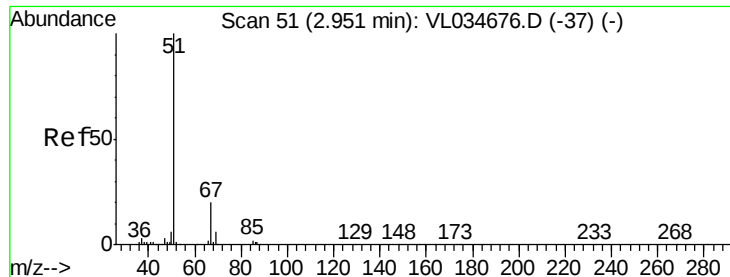
87 34.0 29.2 43.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.007 ppbv

RT: 2.95 min Scan# 51

Delta R.T. -0.00 min

Lab File: VL034685.D

Acq: 26 Feb 2020 8:55

Instrument :

MSVOA_L

ClientSampleId :

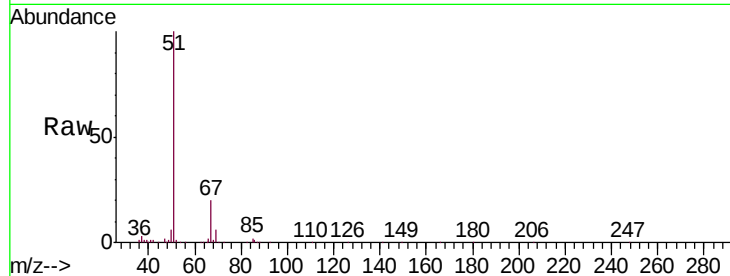
VL0226ABS01

Tgt Ion: 51 Resp: 1065856

Ion Ratio Lower Upper

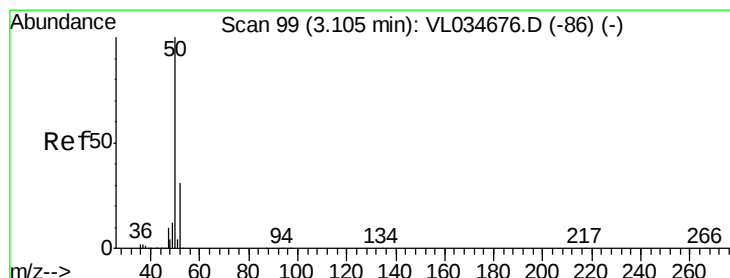
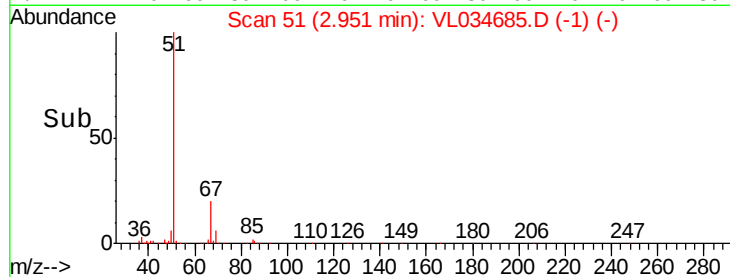
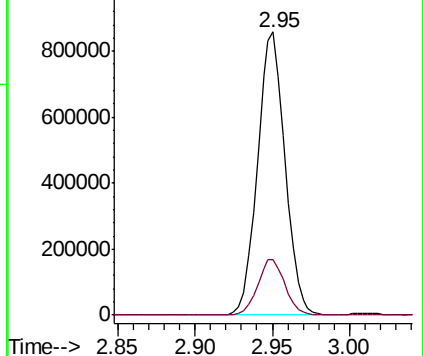
51 100

67 19.5 15.5 23.3



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.369 ppbv

RT: 3.10 min Scan# 98

Delta R.T. -0.00 min

Lab File: VL034685.D

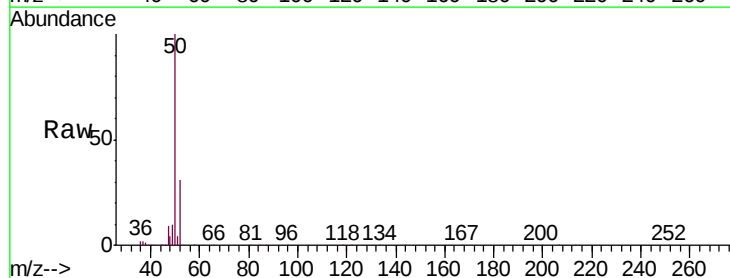
Acq: 26 Feb 2020 8:55

Tgt Ion: 50 Resp: 620627

Ion Ratio Lower Upper

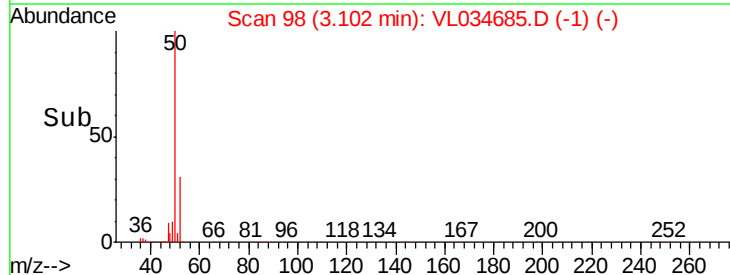
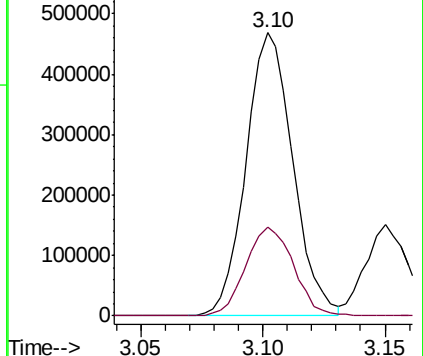
50 100

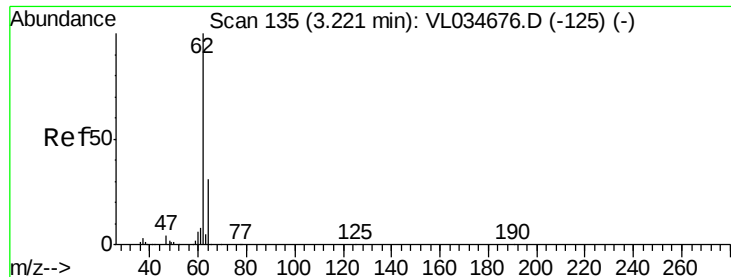
52 31.2 25.0 37.4



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.474 ppbv

RT: 3.22 min Scan# 135

Delta R.T. -0.00 min

Lab File: VL034685.D

Acq: 26 Feb 2020 8:55

Instrument :

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ClientSampleId :

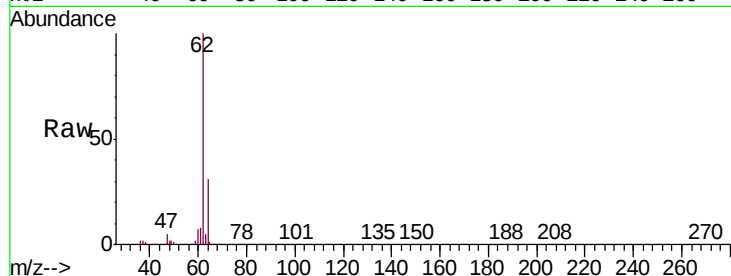
VL0226ABS01

Tgt Ion: 62 Resp: 615706

Ion Ratio Lower Upper

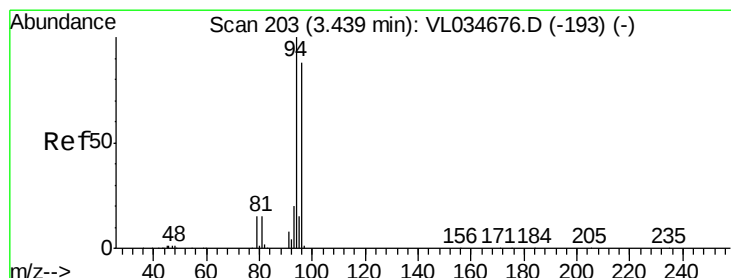
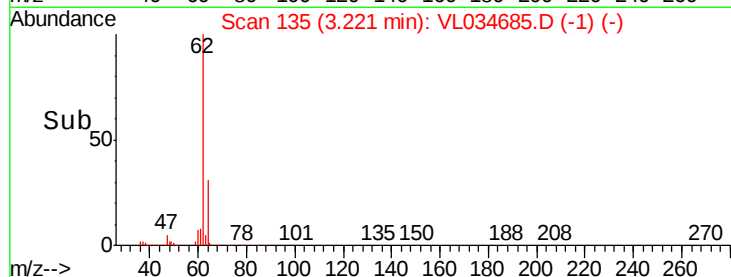
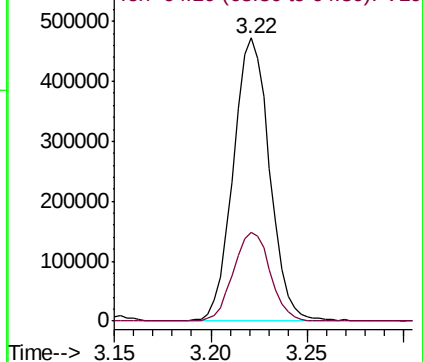
62 100

64 31.3 24.7 37.1



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.382 ppbv

RT: 3.44 min Scan# 203

Delta R.T. -0.00 min

Lab File: VL034685.D

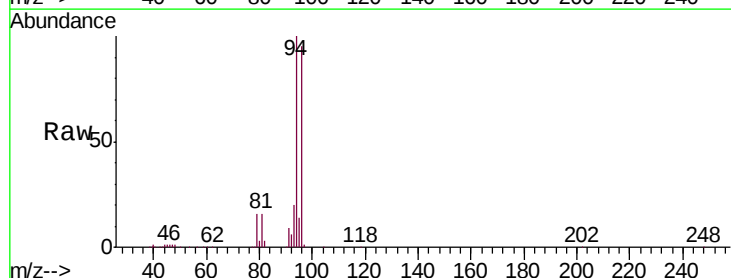
Acq: 26 Feb 2020 8:55

Tgt Ion: 94 Resp: 357198

Ion Ratio Lower Upper

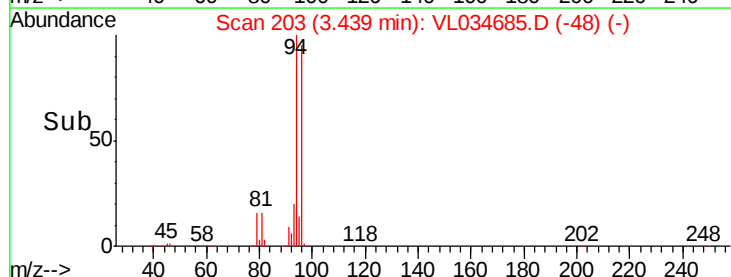
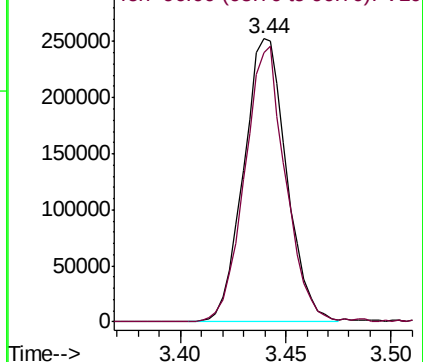
94 100

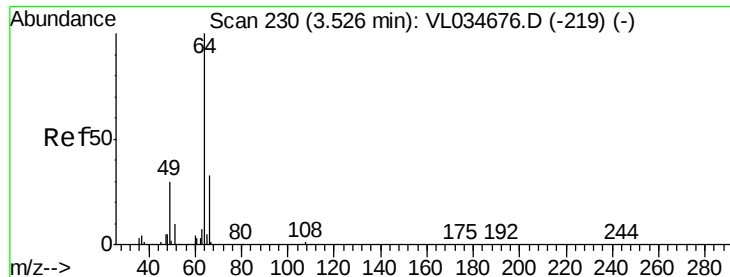
96 95.3 70.5 105.7



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.299 ppbv

RT: 3.52 min Scan# 229

Delta R.T. -0.00 min

Lab File: VL034685.D

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Instrument :

MSVOA_L

ClientSampleId :

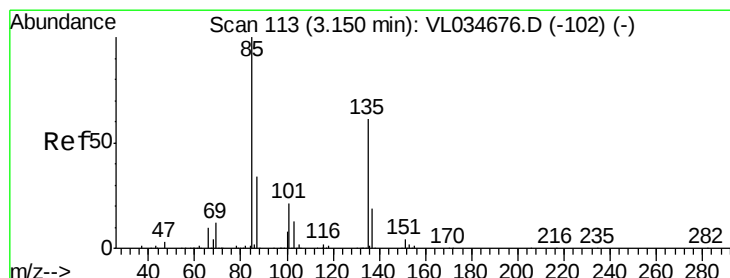
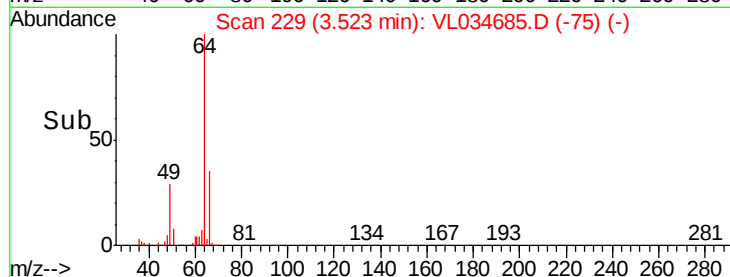
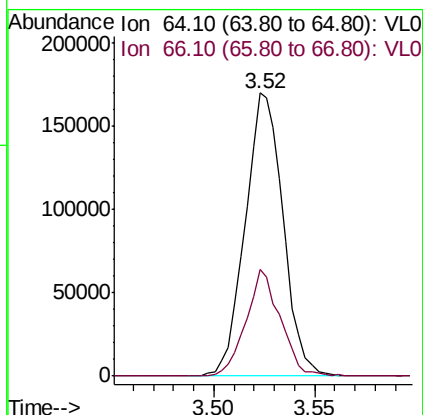
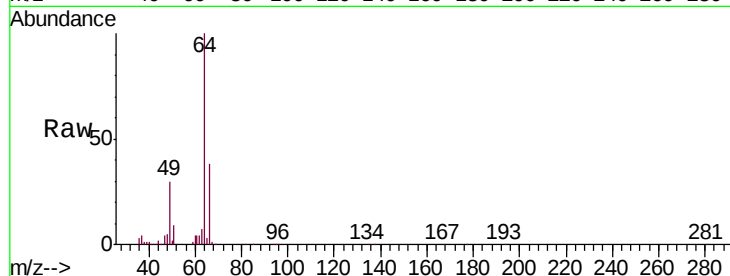
VL0226ABS01

Tgt Ion: 64 Resp: 224359

Ion Ratio Lower Upper

64 100

66 37.6 26.7 40.1



#8

Dichlorotetrafluoroethane

Concen: 8.745 ppbv

RT: 3.15 min Scan# 113

Delta R.T. -0.00 min

Lab File: VL034685.D

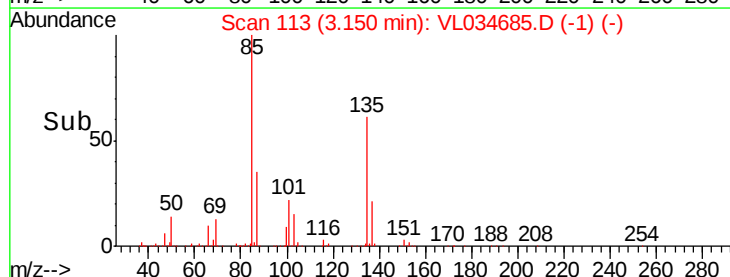
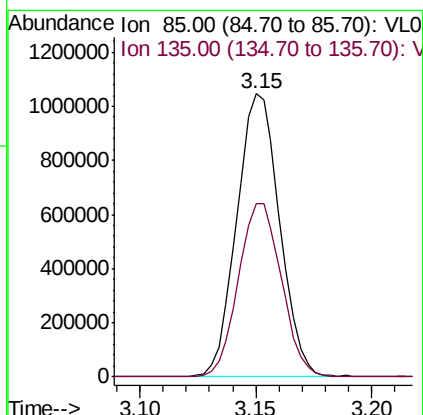
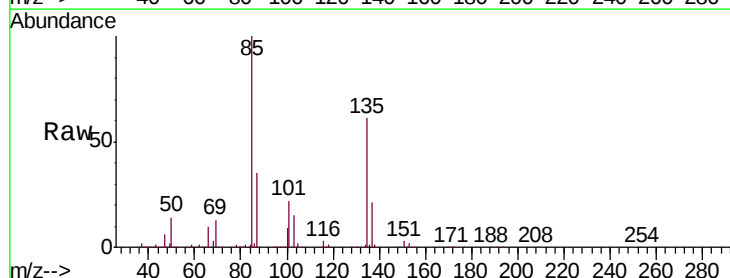
Acq: 26 Feb 2020 8:55

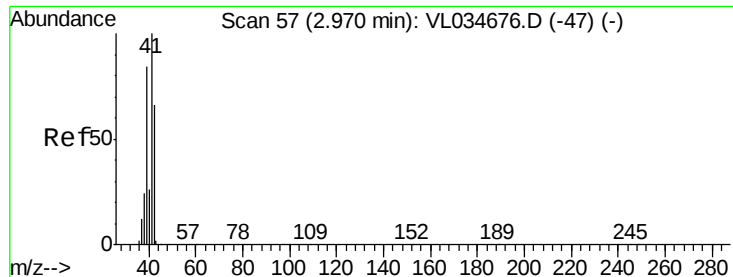
Tgt Ion: 85 Resp: 1338029

Ion Ratio Lower Upper

85 100

135 61.9 49.8 74.6





#9

Propene

Concen: 9.295 ppbv

RT: 2.97 min Scan# 57

Delta R.T. -0.00 min

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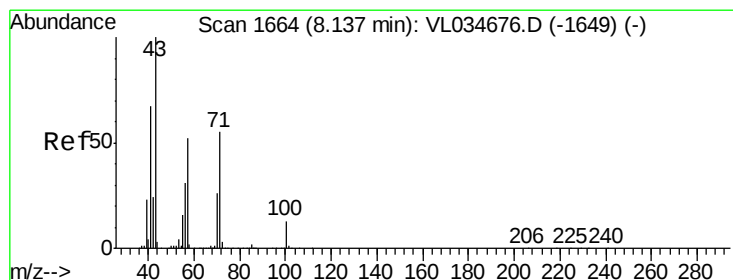
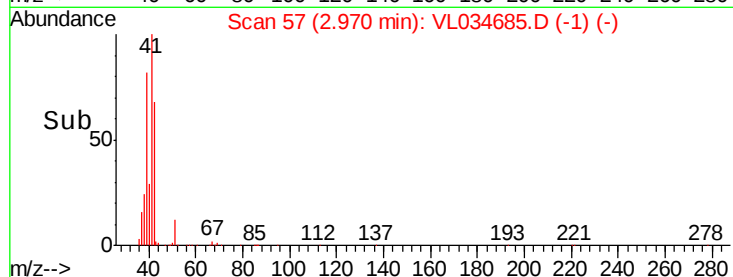
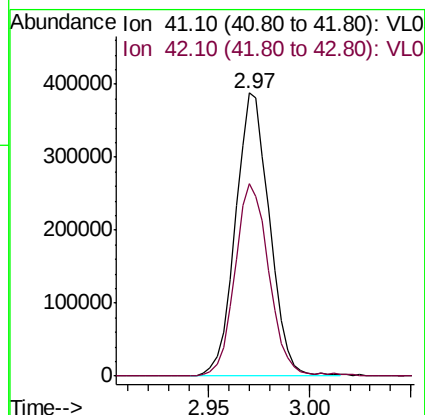
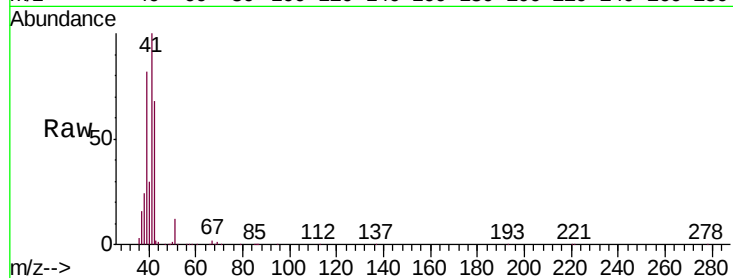
VL0226ABS01

Tgt Ion: 41 Resp: 459792

Ion Ratio Lower Upper

41 100

42 68.5 54.9 82.3



#10

Heptane

Concen: 10.158 ppbv

RT: 8.13 min Scan# 1663

Delta R.T. -0.00 min

Lab File: VL034685.D

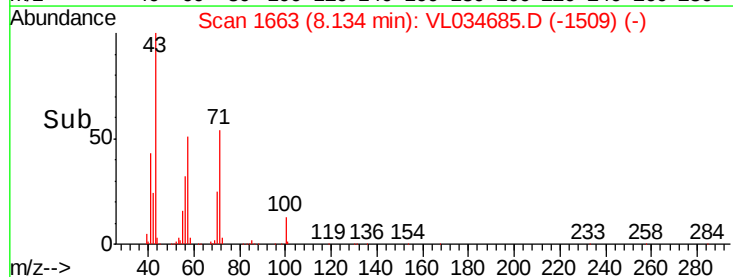
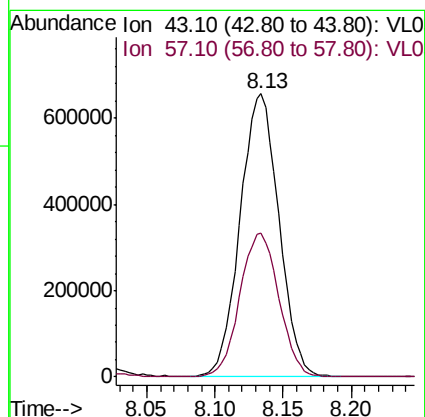
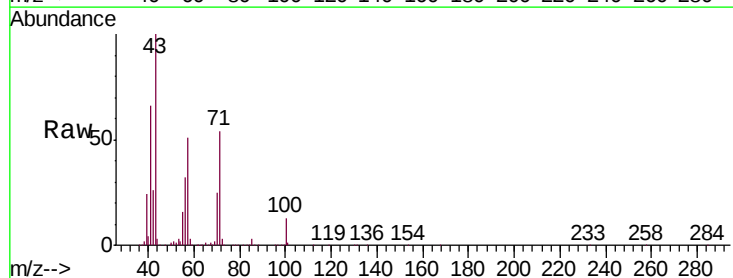
Acq: 26 Feb 2020 8:55

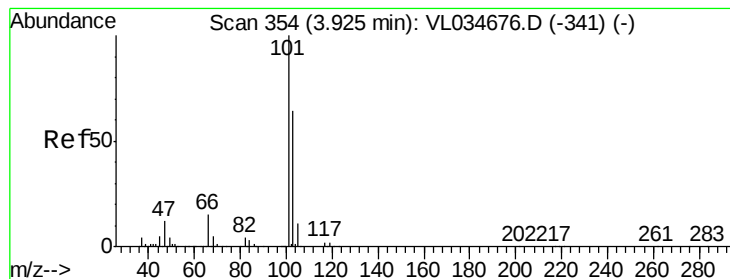
Tgt Ion: 43 Resp: 1293337

Ion Ratio Lower Upper

43 100

57 51.3 41.0 61.6





#11

Trichlorofluoromethane

Concen: 9.074 ppbv

RT: 3.92 min Scan# 353

Delta R.T. -0.00 min

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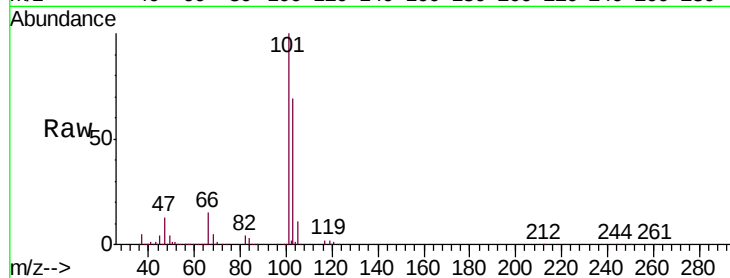
VL0226ABS01

Tgt Ion:101 Resp: 1374853

Ion Ratio Lower Upper

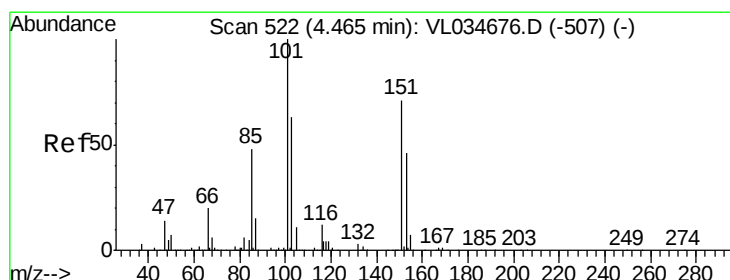
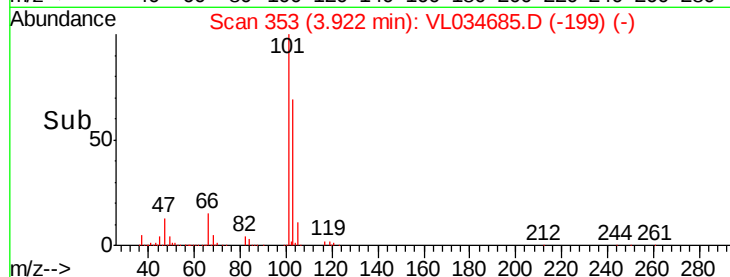
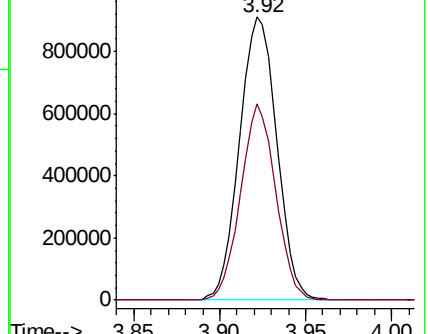
101 100

103 69.2 51.2 76.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 8.910 ppbv

RT: 4.47 min Scan# 522

Delta R.T. -0.00 min

Lab File: VL034685.D

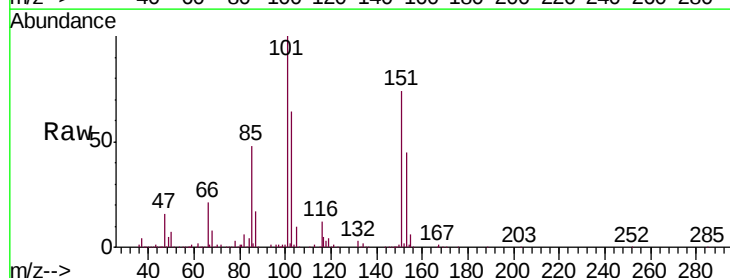
Acq: 26 Feb 2020 8:55

Tgt Ion:101 Resp: 951548

Ion Ratio Lower Upper

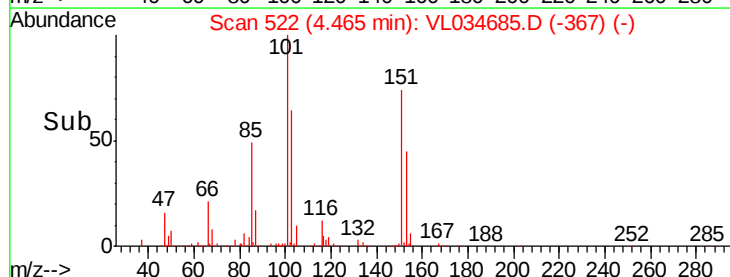
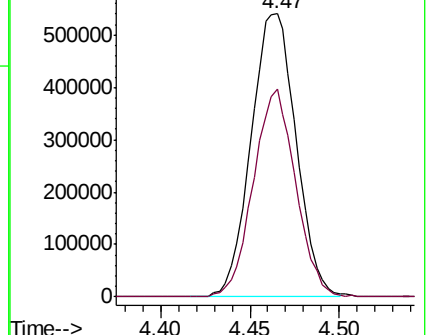
101 100

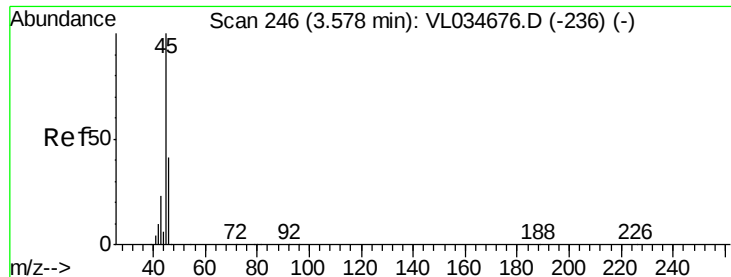
151 69.3 55.8 83.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

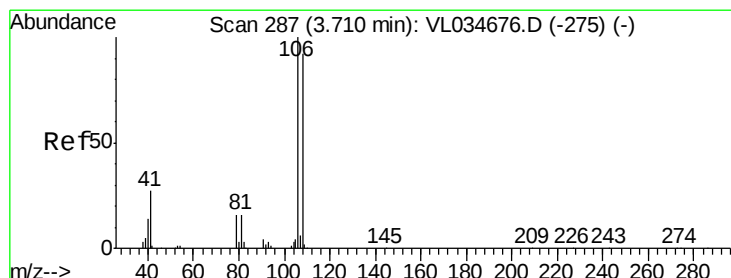
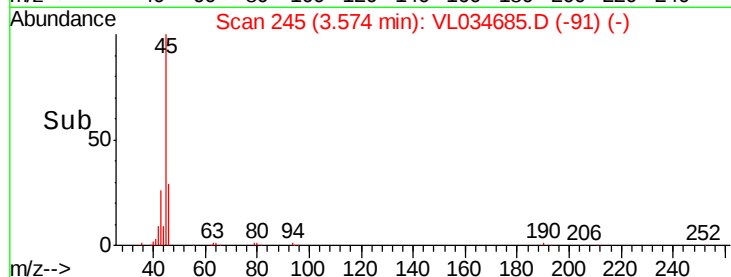
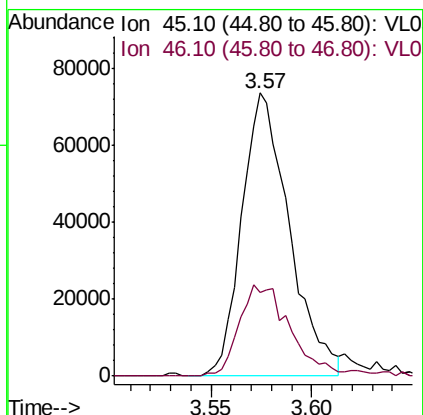
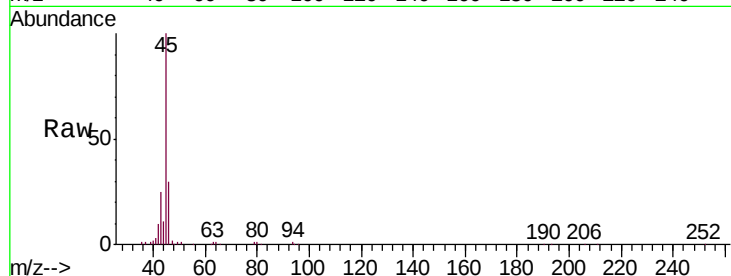




#13
Ethanol
Concen: 7.758 ppbv
RT: 3.57 min Scan# 245
Delta R.T. -0.00 min
Lab File: VL034685.D
Acq: 26 Feb 2020 8:55

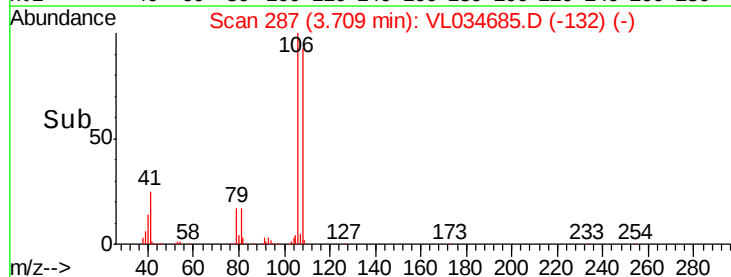
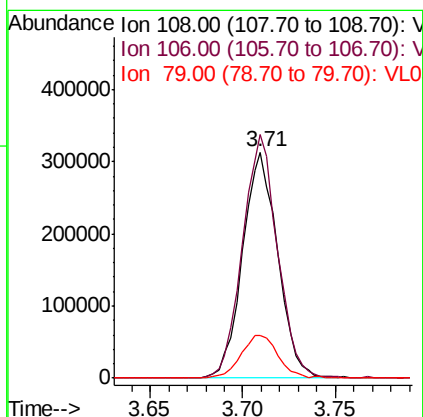
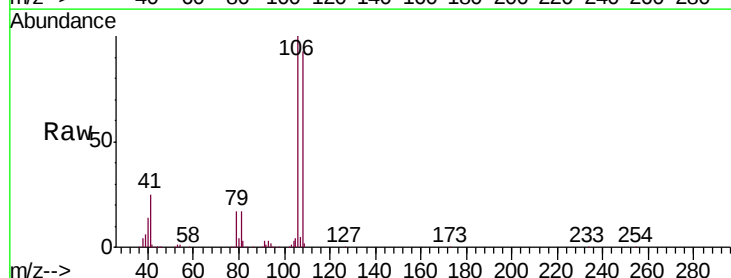
Instrument :
MSVOA_L
ClientSampleId :
VL0226ABS01

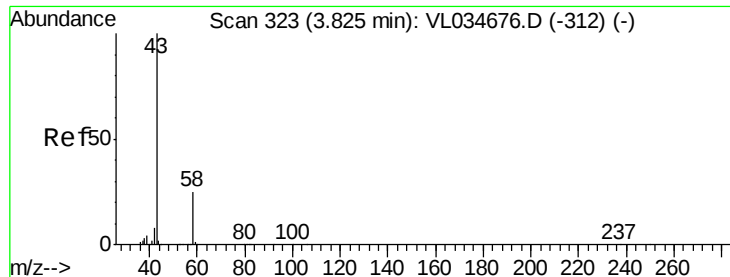
Tgt Ion: 45 Resp: 121232
Ion Ratio Lower Upper
45 100
46 35.6 15.4 61.4



#14
Bromoethene
Concen: 9.239 ppbv
RT: 3.71 min Scan# 287
Delta R.T. -0.00 min
Lab File: VL034685.D
Acq: 26 Feb 2020 8:55

Tgt Ion: 108 Resp: 411685
Ion Ratio Lower Upper
108 100
106 107.8 86.7 130.1
79 20.2 15.0 22.6





#15

Acetone

Concen: 8.655 ppbv

RT: 3.82 min Scan# 322

Delta R.T. -0.00 min

Lab File: VL034685.D

Acq: 26 Feb 2020 8:55

Instrument :

MSVOA_L

ClientSampleId :

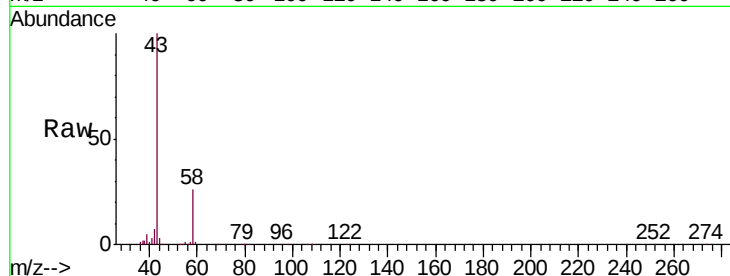
VL0226ABS01

Tgt Ion: 43 Resp: 1081448

Ion Ratio Lower Upper

43 100

58 26.7 21.4 32.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.82

800000

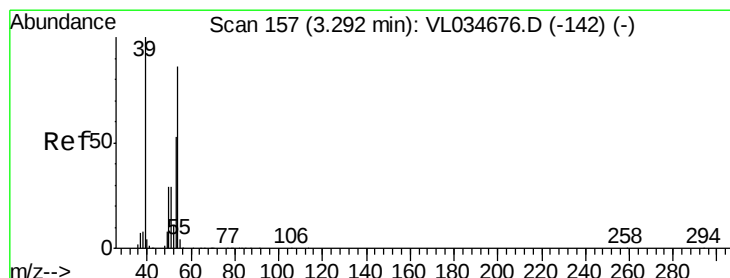
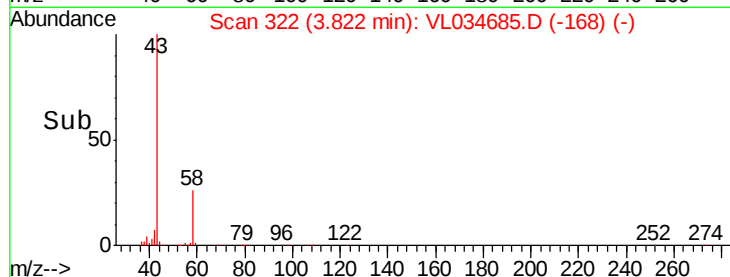
600000

400000

200000

0

Time--> 3.75 3.80 3.85 3.90



#16

1,3-Butadiene

Concen: 9.612 ppbv

RT: 3.29 min Scan# 157

Delta R.T. -0.00 min

Lab File: VL034685.D

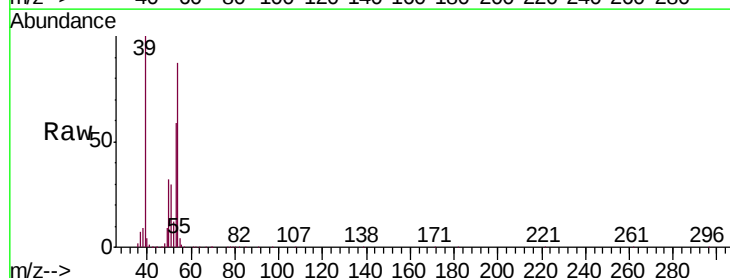
Acq: 26 Feb 2020 8:55

Tgt Ion: 39 Resp: 556001

Ion Ratio Lower Upper

39 100

54 83.3 67.0 100.6



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

3.29

400000

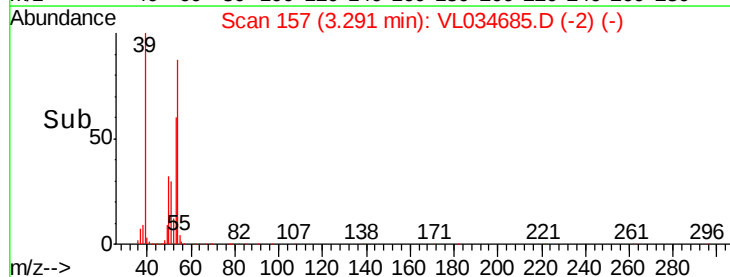
300000

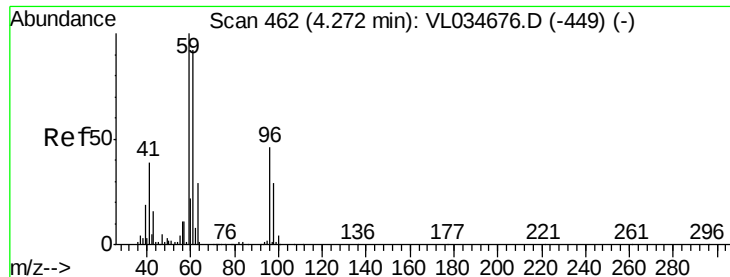
200000

100000

0

Time--> 3.20 3.25 3.30 3.35

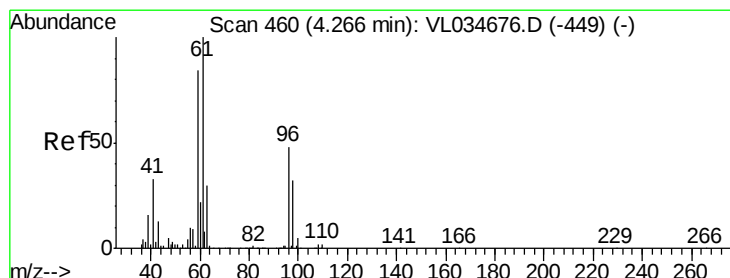
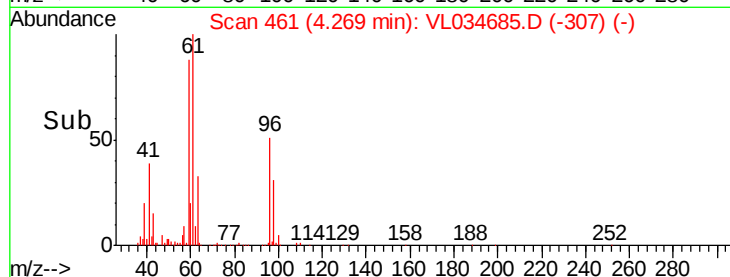
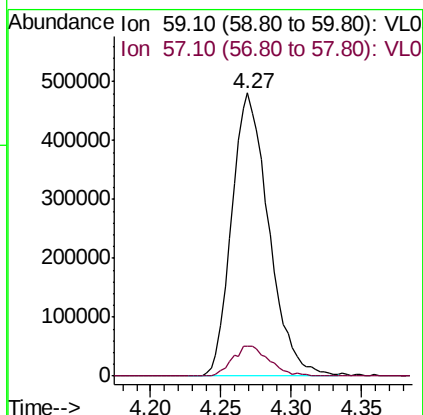
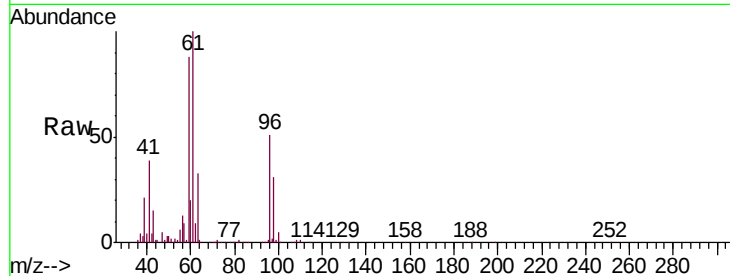




#17
 tert-Butyl alcohol
 Concen: 9.252 ppbv
 RT: 4.27 min Scan# 461
 Delta R.T. -0.00 min
 Lab File: VL034685.D
 Acq: 26 Feb 2020 8:55

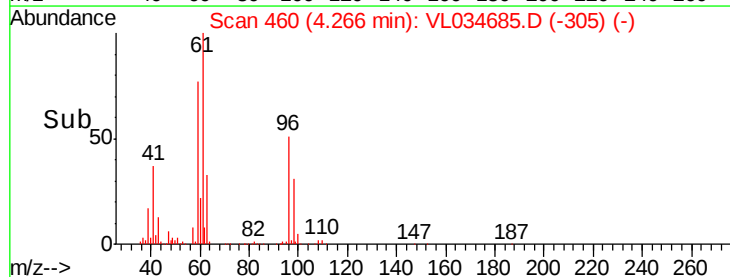
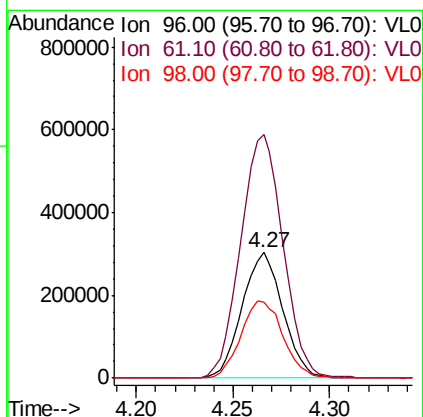
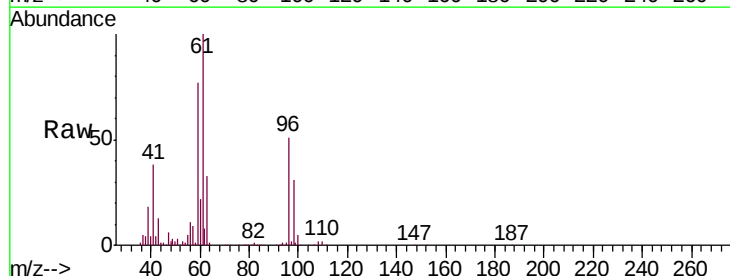
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0226ABS01

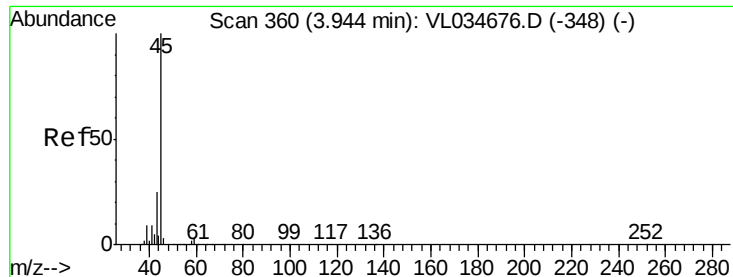
Tgt Ion: 59 Resp: 885901
 Ion Ratio Lower Upper
 59 100
 57 10.7 8.8 13.2



#18
 1,1-Dichloroethene
 Concen: 9.269 ppbv
 RT: 4.27 min Scan# 460
 Delta R.T. -0.00 min
 Lab File: VL034685.D
 Acq: 26 Feb 2020 8:55

Tgt Ion: 96 Resp: 444430
 Ion Ratio Lower Upper
 96 100
 61 193.8 165.1 247.7
 98 61.0 52.7 79.1





#19

Isopropyl Alcohol

Concen: 9.972 ppbv

RT: 3.94 min Scan# 359

Delta R.T. -0.00 min

Lab File: VL034685.D

Acq: 26 Feb 2020 8:55

Instrument :

MSVOA_L

ClientSampleId :

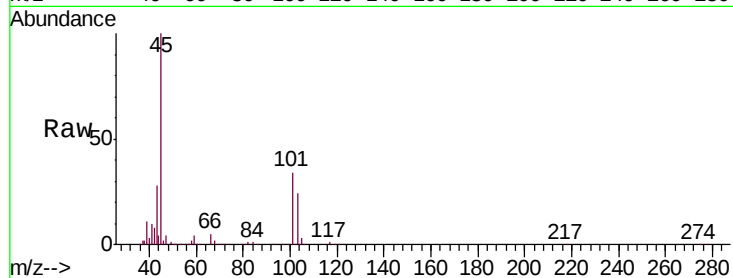
VL0226ABS01

Tgt Ion: 45 Resp: 742202

Ion Ratio Lower Upper

45 100

58 2.5 1.8 2.6



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.94

400000

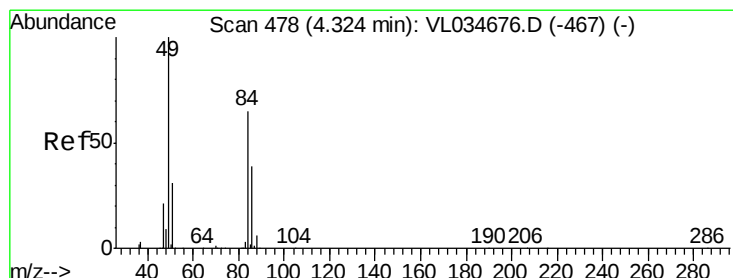
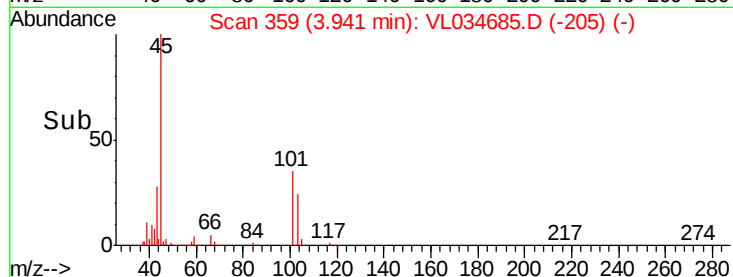
300000

200000

100000

0

Time-->



#20

Methylene Chloride

Concen: 8.399 ppbv

RT: 4.32 min Scan# 477

Delta R.T. -0.00 min

Lab File: VL034685.D

Acq: 26 Feb 2020 8:55

Tgt Ion: 84 Resp: 390303

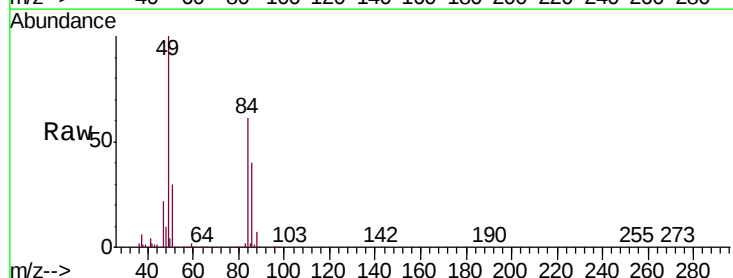
Ion Ratio Lower Upper

84 100

49 161.4 122.8 184.2

51 48.9 38.6 58.0

86 65.5 47.7 71.5



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

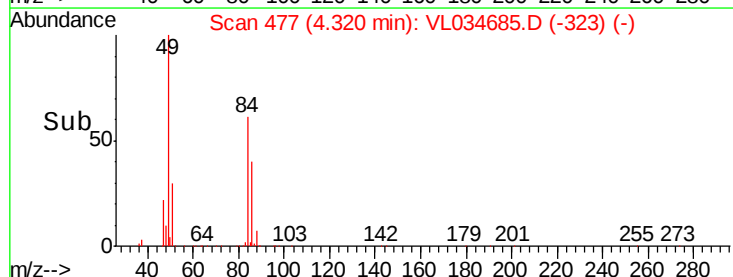
300000

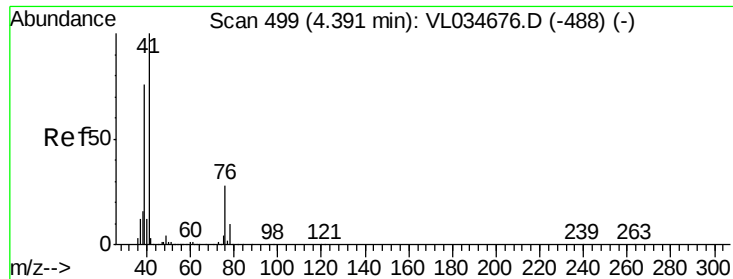
200000

100000

0

Time-->





#21

Allyl Chloride

Concen: 9.506 ppbv

RT: 4.39 min Scan# 498

Delta R.T. -0.00 min

Lab File: VL034685.D

Acq: 26 Feb 2020 8:55

Instrument :

MSVOA_L

ClientSampleId :

VL0226ABS01

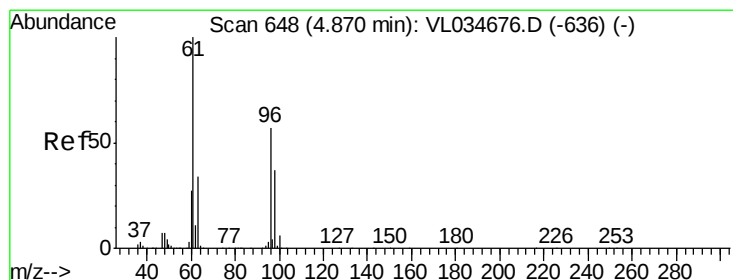
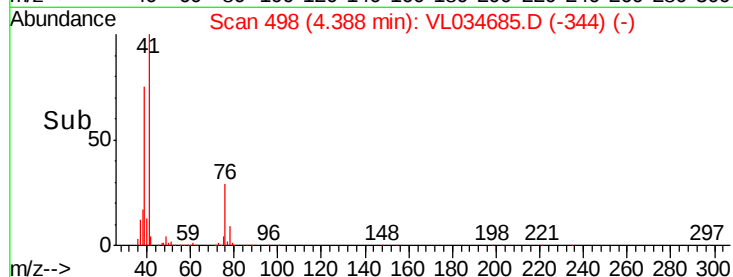
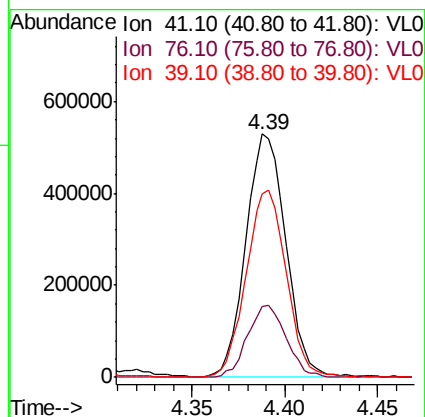
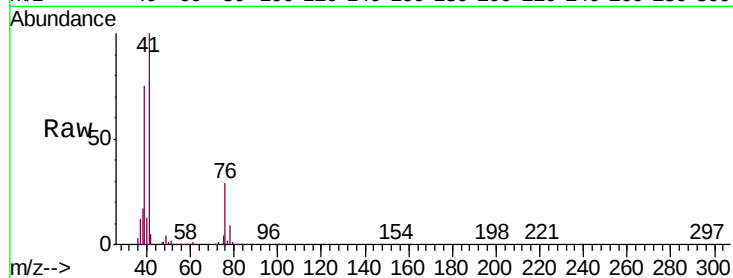
Tgt Ion: 41 Resp: 785916

Ion Ratio Lower Upper

41 100

76 29.0 22.8 34.2

39 77.8 61.7 92.5



#22

trans-1,2-Dichloroethene

Concen: 9.442 ppbv

RT: 4.87 min Scan# 648

Delta R.T. -0.00 min

Lab File: VL034685.D

Acq: 26 Feb 2020 8:55

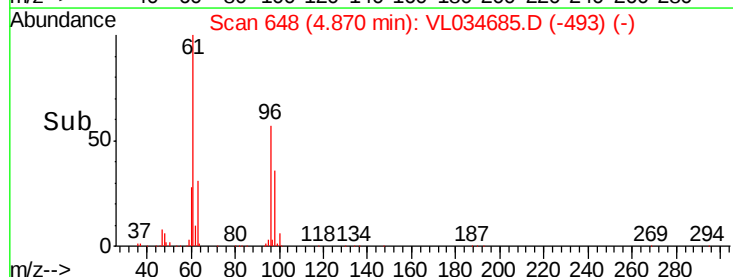
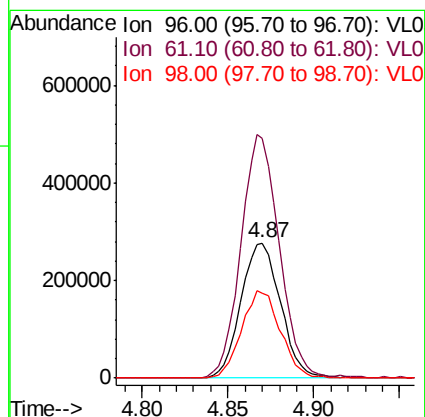
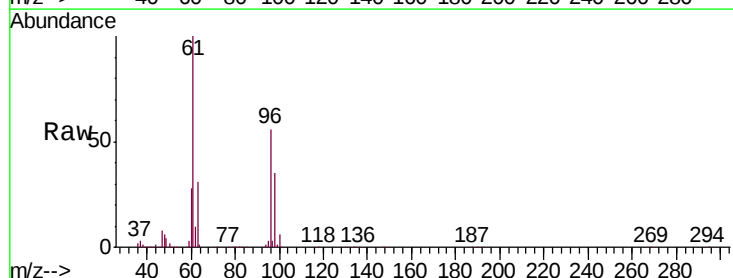
Tgt Ion: 96 Resp: 441432

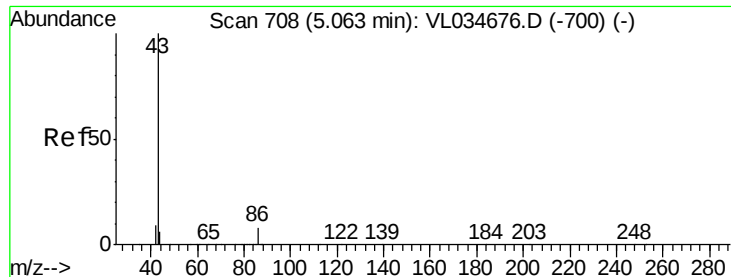
Ion Ratio Lower Upper

96 100

61 177.4 139.4 209.0

98 62.8 51.3 76.9





#23

Vinyl Acetate

Concen: 10.106 ppbv

RT: 5.06 min Scan# 707

Delta R.T. -0.00 min

Lab File: VL034685.D

Acq: 26 Feb 2020 8:55

Instrument :

MSVOA_L

ClientSampleId :

VL0226ABS01

Tgt Ion: 43 Resp: 1716661

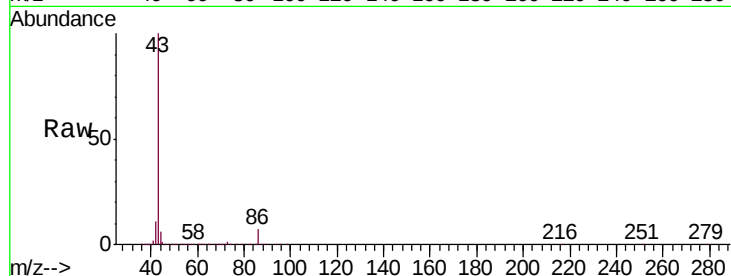
Ion	Ratio	Lower	Upper
43	100		
86	7.4	6.0	9.0
42	10.6	8.0	12.0
44	5.4	4.5	6.7

43 100

86 7.4 6.0 9.0

42 10.6 8.0 12.0

44 5.4 4.5 6.7

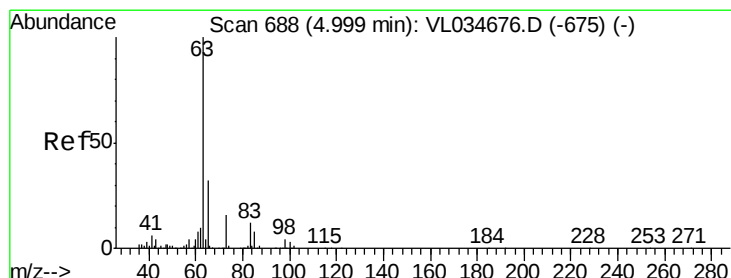
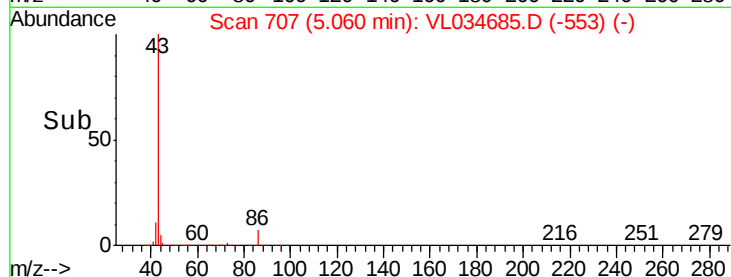
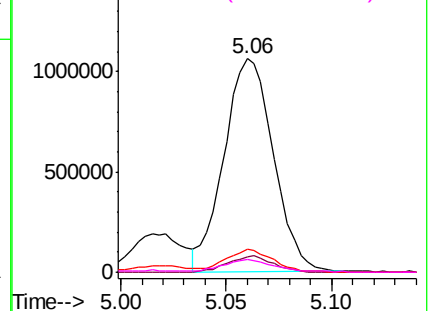


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.149 ppbv

RT: 5.00 min Scan# 687

Delta R.T. -0.00 min

Lab File: VL034685.D

Acq: 26 Feb 2020 8:55

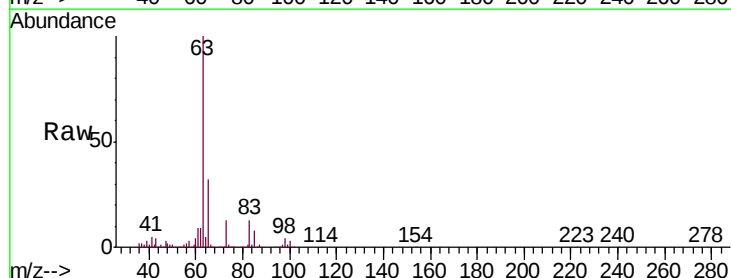
Tgt Ion: 63 Resp: 1241267

Ion	Ratio	Lower	Upper
63	100		
98	4.2	2.1	6.2
100	2.8	1.4	4.0

63 100

98 4.2 2.1 6.2

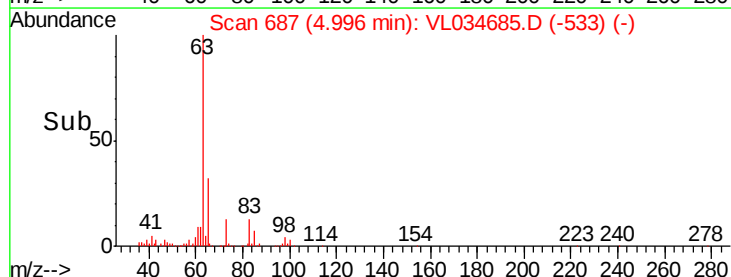
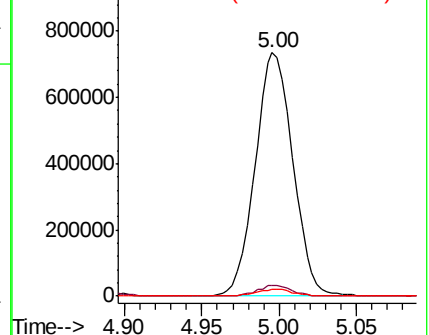
100 2.8 1.4 4.0

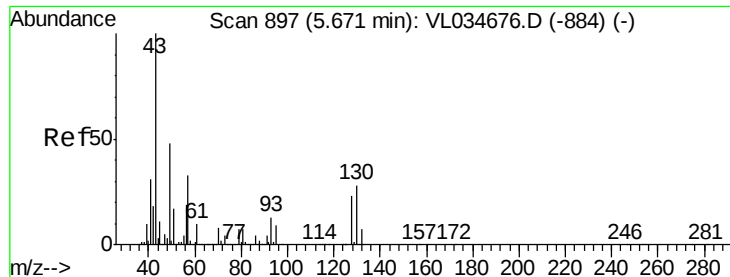


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



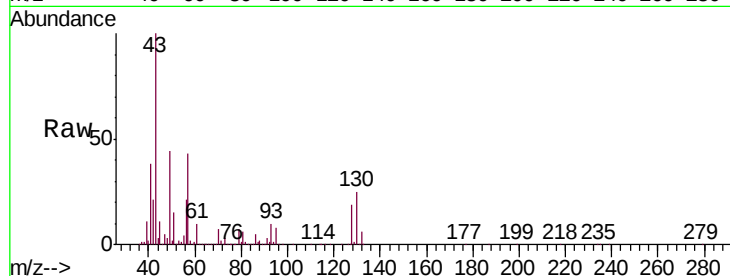


#25
Ethyl Acetate
Concen: 9.458 ppbv
RT: 5.67 min Scan# 897
Delta R.T. -0.00 min
Lab File: VL034685.D
Acq: 26 Feb 2020 8:55

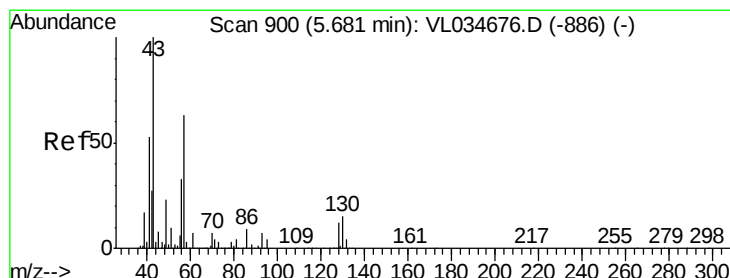
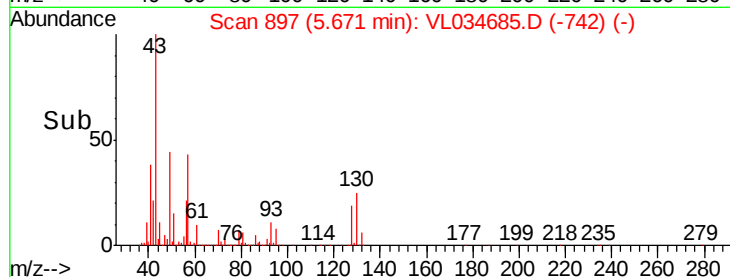
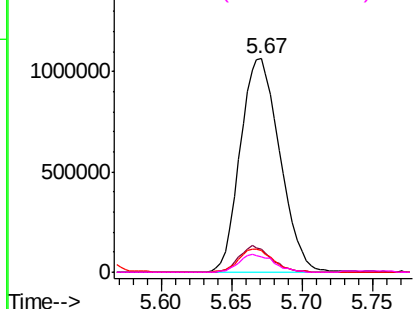
Instrument :
MSVOA_L
ClientSampleId :
VL0226ABS01

Tgt Ion: 43 Resp: 2092116

Ion	Ratio	Lower	Upper
43	100		
45	10.2	8.2	12.4
61	9.6	7.8	11.6
70	7.3	6.1	9.1



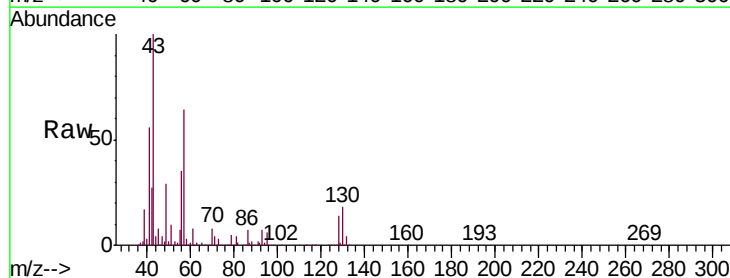
Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0



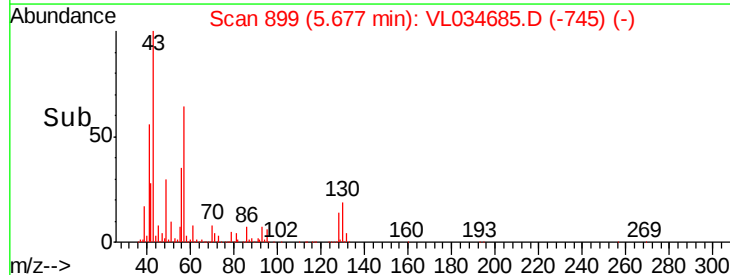
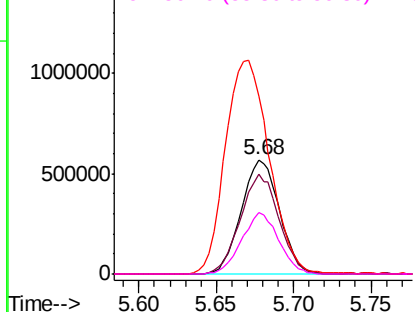
#26
Hexane
Concen: 9.562 ppbv
RT: 5.68 min Scan# 899
Delta R.T. -0.00 min
Lab File: VL034685.D
Acq: 26 Feb 2020 8:55

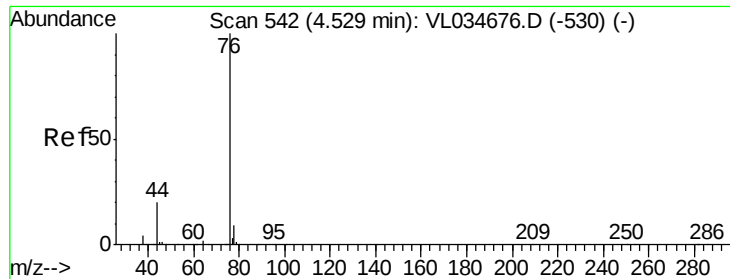
Tgt Ion: 57 Resp: 974809

Ion	Ratio	Lower	Upper
57	100		
41	88.5	70.3	105.5
43	216.0	177.0	265.4
56	52.6	42.6	64.0



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: 10.113 ppbv

RT: 4.53 min Scan# 542

Delta R.T. -0.00 min

Lab File: VL034685.D

Acq: 26 Feb 2020 8:55

Instrument :

MSVOA_L

ClientSampleId :

VL0226ABS01

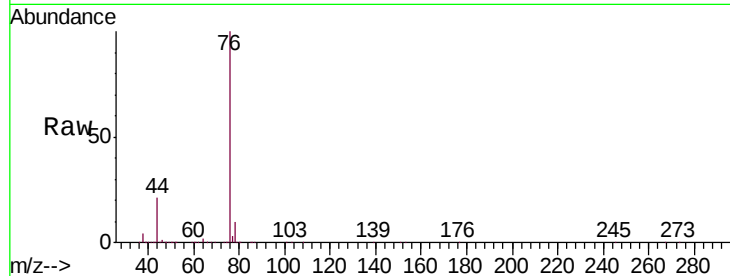
Tgt Ion: 76 Resp: 1170279

Ion Ratio Lower Upper

76 100

44 19.6 15.3 22.9

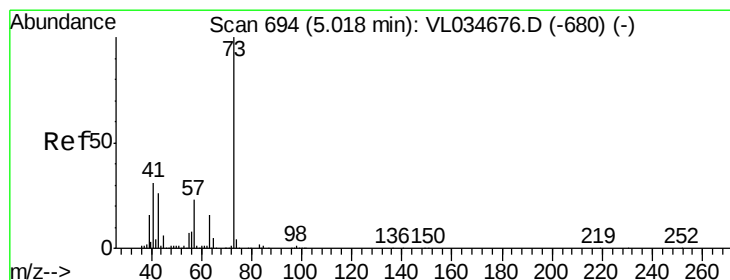
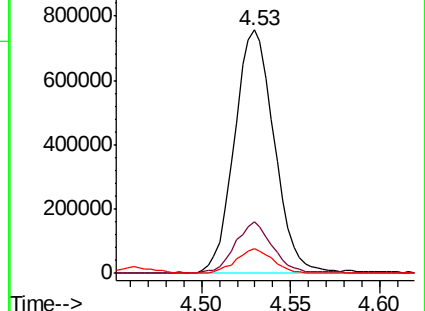
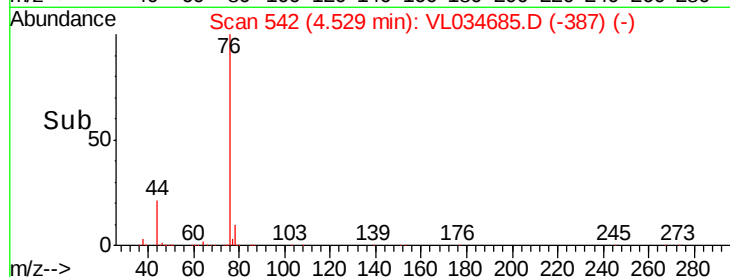
78 9.2 7.6 11.4



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: 9.046 ppbv

RT: 5.01 min Scan# 693

Delta R.T. -0.00 min

Lab File: VL034685.D

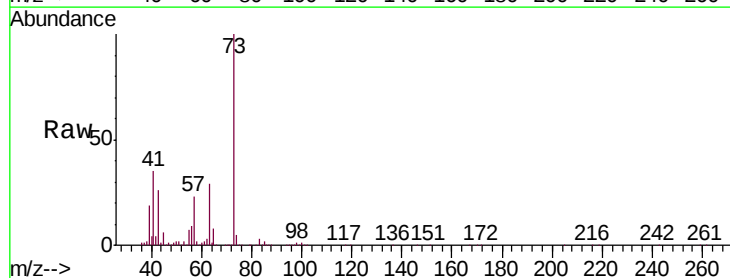
Acq: 26 Feb 2020 8:55

Tgt Ion: 73 Resp: 1317433

Ion Ratio Lower Upper

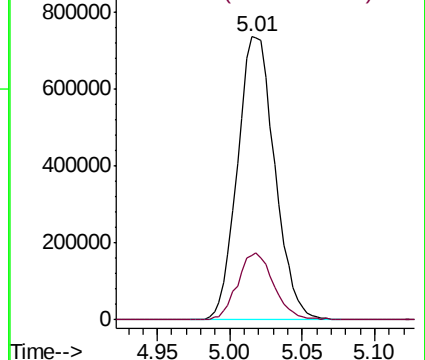
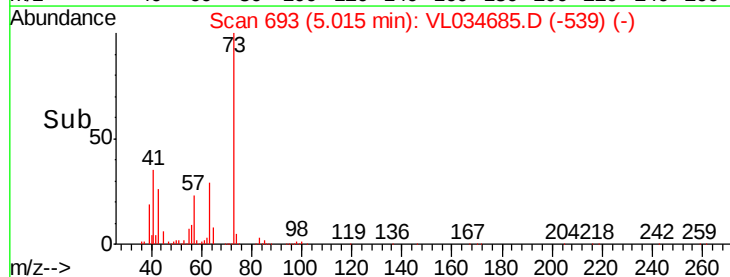
73 100

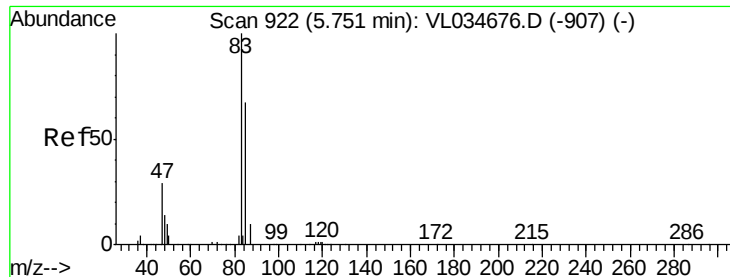
57 23.1 18.6 28.0



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 9.194 ppbv

RT: 5.75 min Scan# 921

Delta R.T. -0.00 min

Lab File: VL034685.D

Acq: 26 Feb 2020 8:55

Instrument :

MSVOA_L

ClientSampleId :

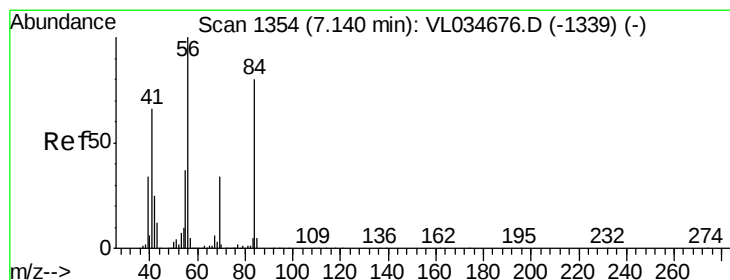
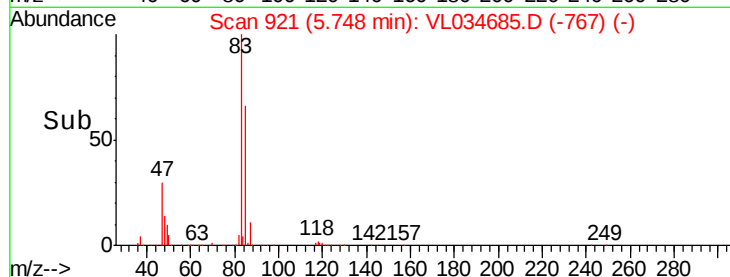
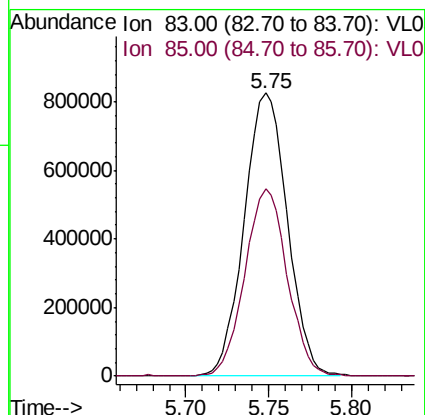
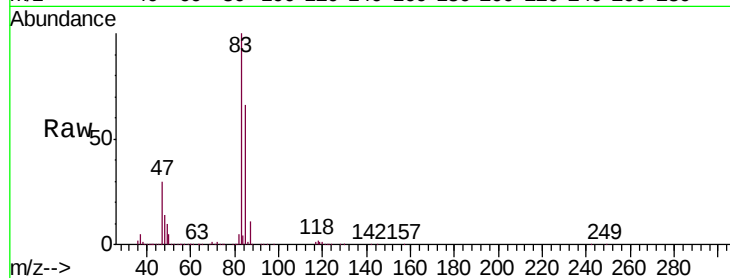
VL0226ABS01

Tgt Ion: 83 Resp: 1493387

Ion Ratio Lower Upper

83 100

85 65.9 53.9 80.9



#30

Cyclohexane

Concen: 10.000 ppbv

RT: 7.13 min Scan# 1352

Delta R.T. -0.01 min

Lab File: VL034685.D

Acq: 26 Feb 2020 8:55

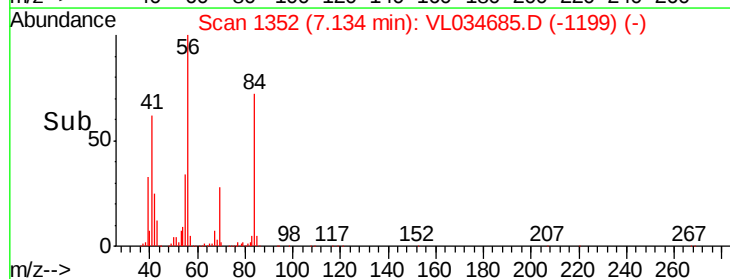
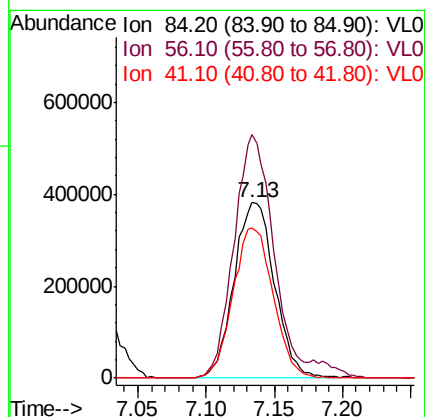
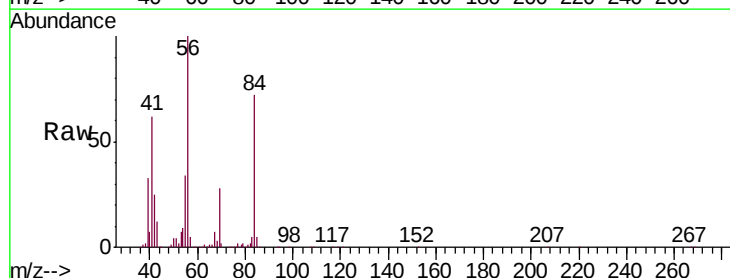
Tgt Ion: 84 Resp: 790136

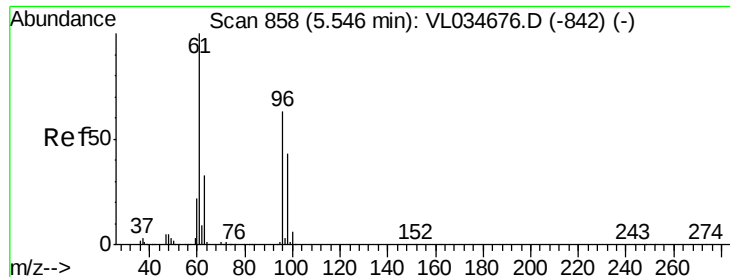
Ion Ratio Lower Upper

84 100

56 141.0 113.4 170.2

41 84.7 68.2 102.4



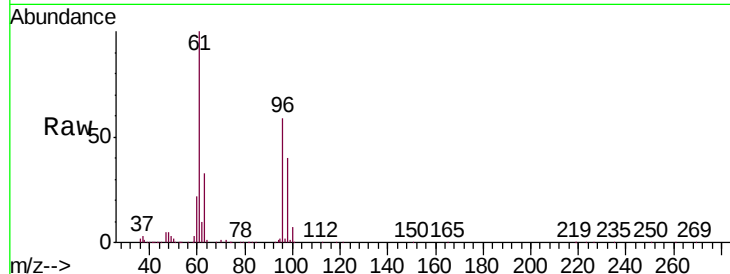


#31

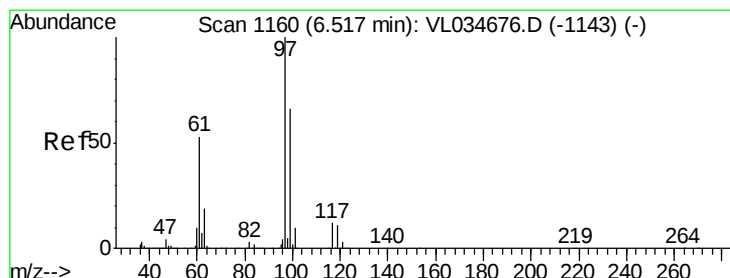
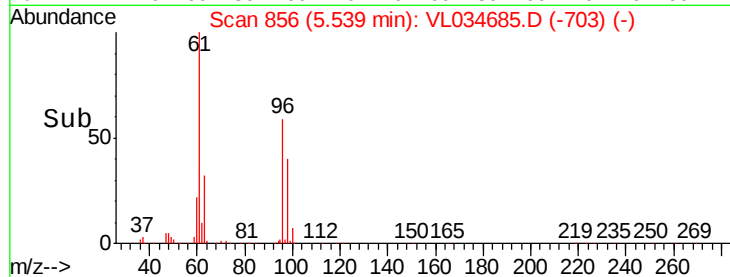
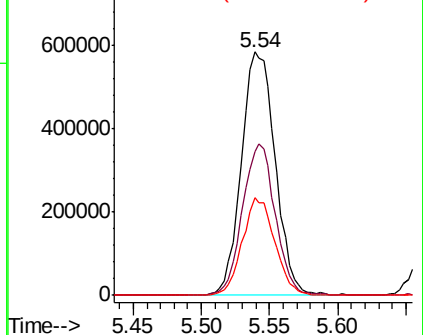
cis-1,2-Dichloroethene
 Concen: 10.034 ppbv
 RT: 5.54 min Scan# 856
 Delta R.T. -0.01 min
 Lab File: VL034685.D
 Acq: 26 Feb 2020 8:55

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0226ABS01

Tgt Ion: 61 Resp: 1006714
 Ion Ratio Lower Upper
 61 100
 96 58.8 50.2 75.2
 98 40.0 34.3 51.5



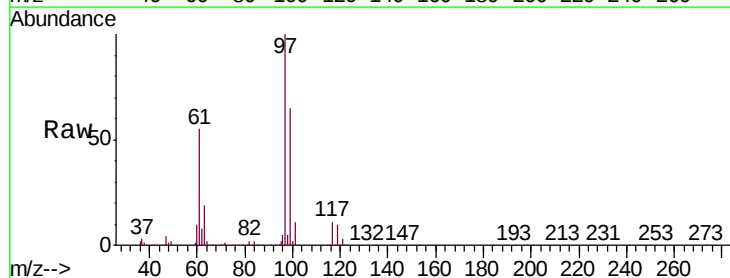
Abundance Ion 61.10 (60.80 to 61.80): VL0
 Ion 96.00 (95.70 to 96.70): VL0
 Ion 98.00 (97.70 to 98.70): VL0



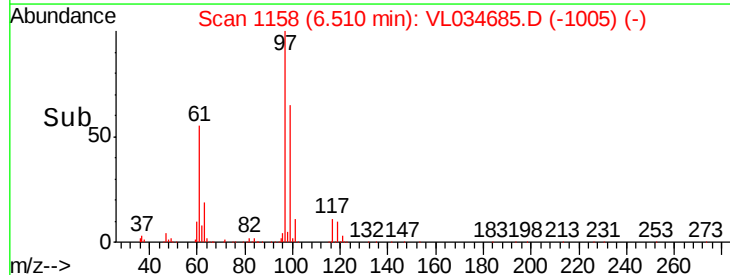
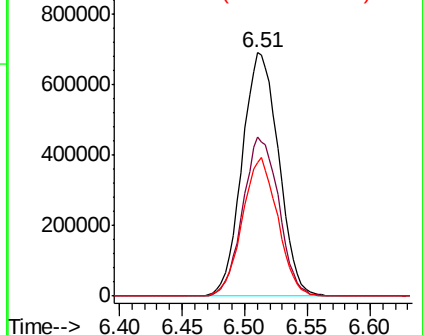
#32

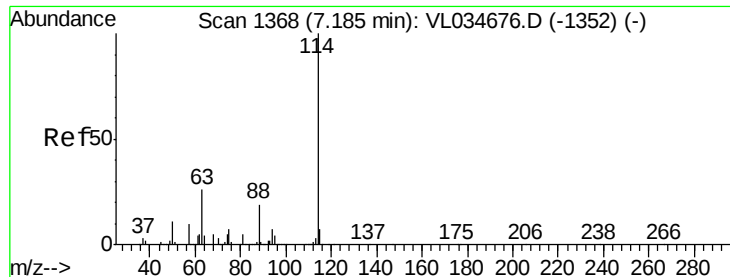
1,1,1-Trichloroethane
 Concen: 9.246 ppbv
 RT: 6.51 min Scan# 1158
 Delta R.T. -0.01 min
 Lab File: VL034685.D
 Acq: 26 Feb 2020 8:55

Tgt Ion: 97 Resp: 1402425
 Ion Ratio Lower Upper
 97 100
 99 64.2 52.3 78.5
 61 55.2 42.8 64.2



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

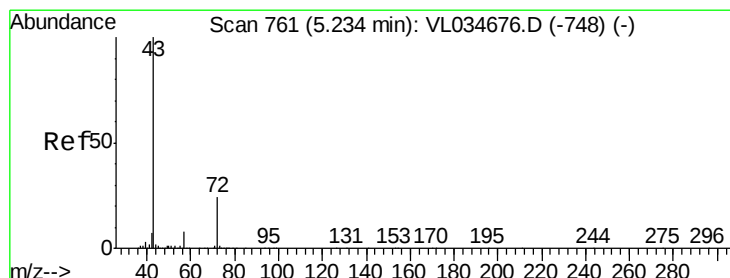
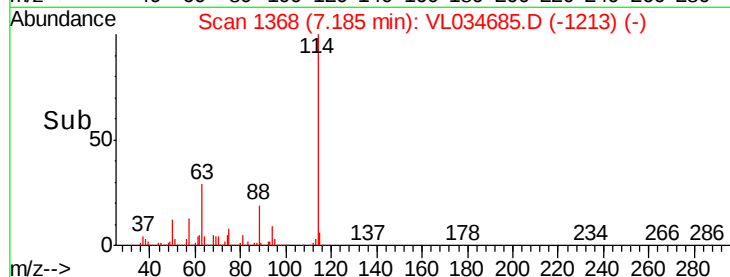
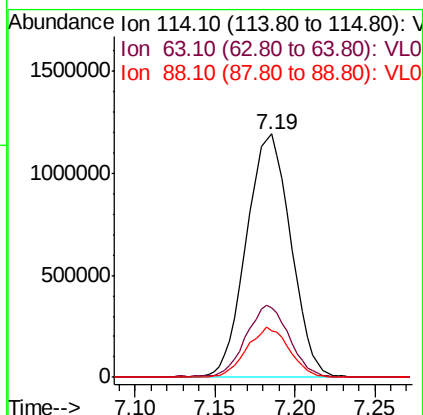
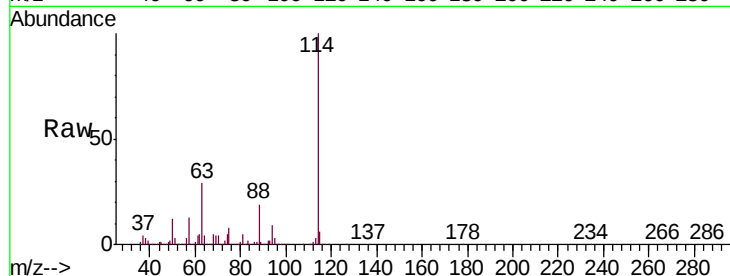




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1368
 Delta R.T. -0.00 min
 Lab File: VL034685.D
 Acq: 26 Feb 2020 8:55

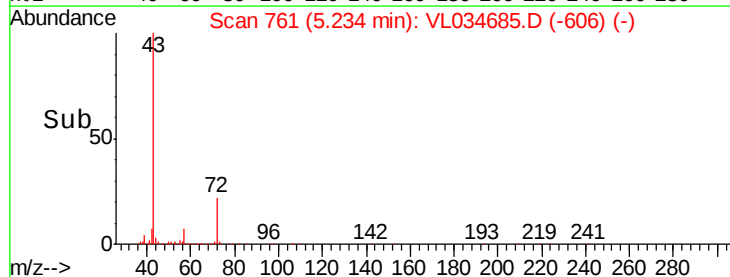
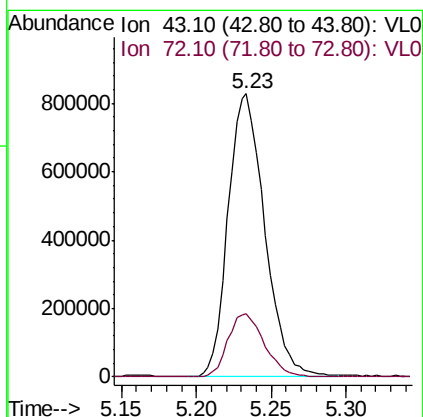
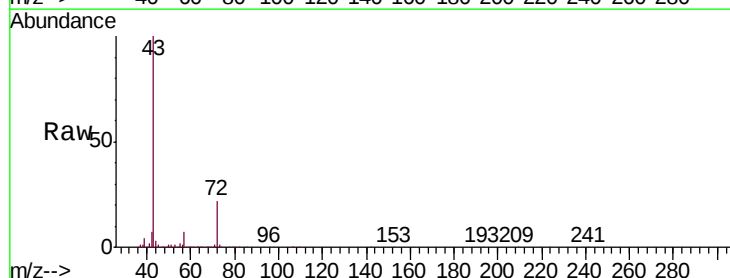
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0226ABS01

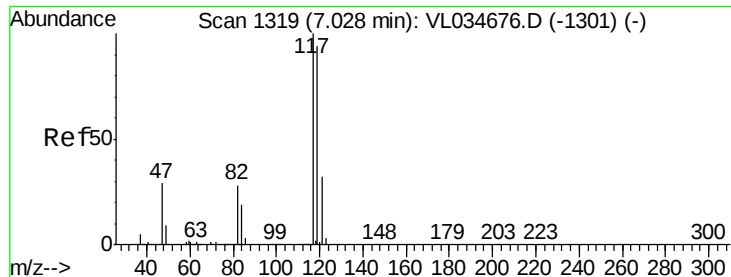
Tgt Ion:114 Resp: 2272905
 Ion Ratio Lower Upper
 114 100
 63 29.5 22.9 34.3
 88 19.7 15.8 23.6



#34
 2-Butanone
 Concen: 9.825 ppbv
 RT: 5.23 min Scan# 761
 Delta R.T. -0.00 min
 Lab File: VL034685.D
 Acq: 26 Feb 2020 8:55

Tgt Ion: 43 Resp: 1405624
 Ion Ratio Lower Upper
 43 100
 72 22.3 18.2 27.2

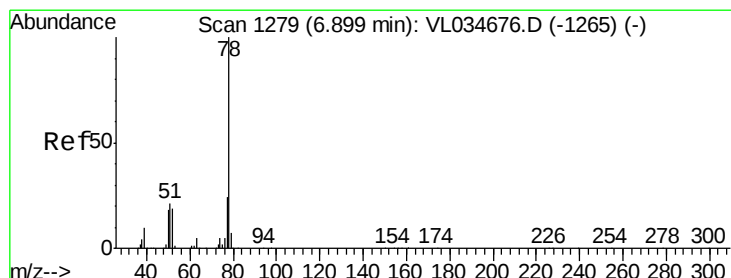
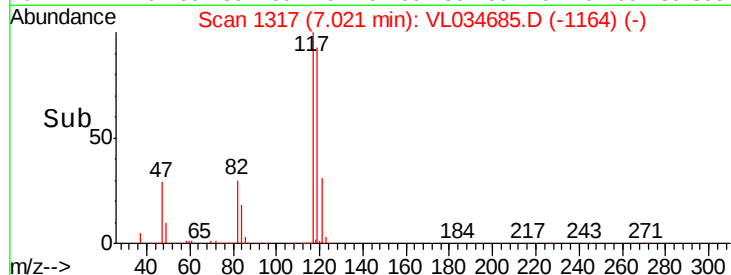
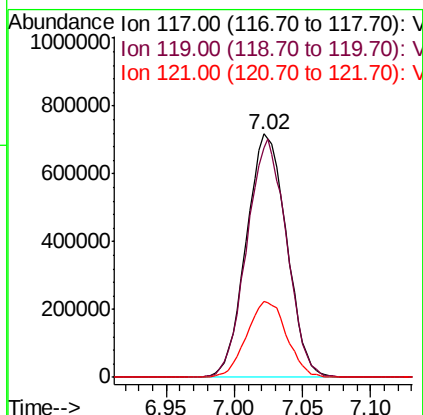
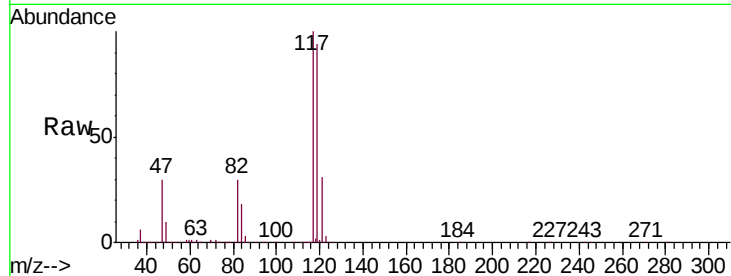




#35
Carbon Tetrachloride
Concen: 9.692 ppbv
RT: 7.02 min Scan# 1317
Delta R.T. -0.01 min
Lab File: VL034685.D
Acq: 26 Feb 2020 8:55

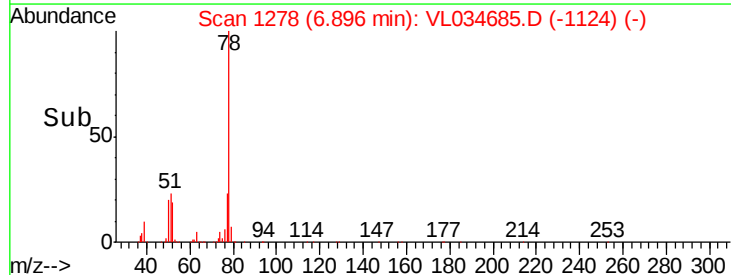
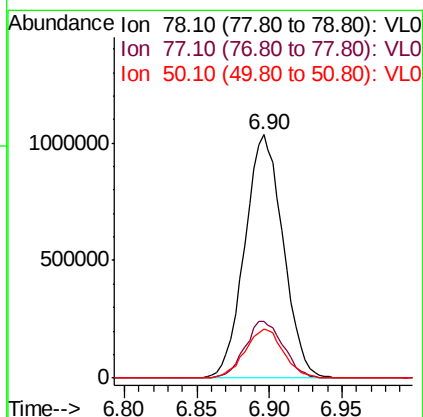
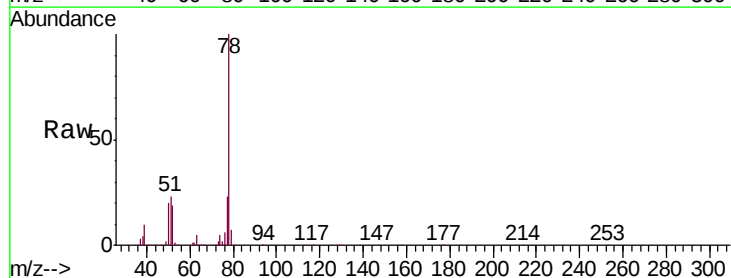
Instrument :
MSVOA_L
ClientSampleId :
VL0226ABS01

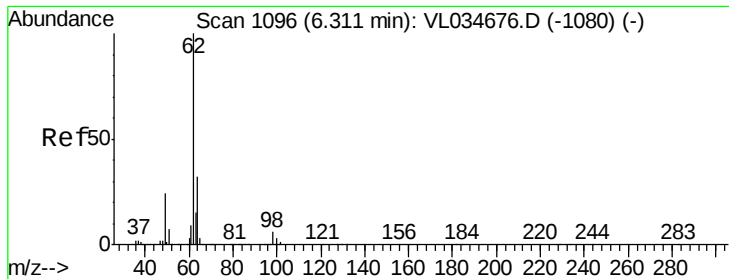
Tgt Ion: 117 Resp: 1475306
Ion Ratio Lower Upper
117 100
119 94.4 75.5 113.3
121 31.3 25.4 38.0



#36
Benzene
Concen: 9.707 ppbv
RT: 6.90 min Scan# 1278
Delta R.T. -0.00 min
Lab File: VL034685.D
Acq: 26 Feb 2020 8:55

Tgt Ion: 78 Resp: 1905525
Ion Ratio Lower Upper
78 100
77 23.1 19.5 29.3
50 20.2 14.6 21.8





#37

1,2-Dichloroethane

Concen: 9.874 ppbv

RT: 6.31 min Scan# 1095

Delta R.T. -0.00 min

Lab File: VL034685.D

Acq: 26 Feb 2020 8:55

Instrument :

MSVOA_L

ClientSampleId :

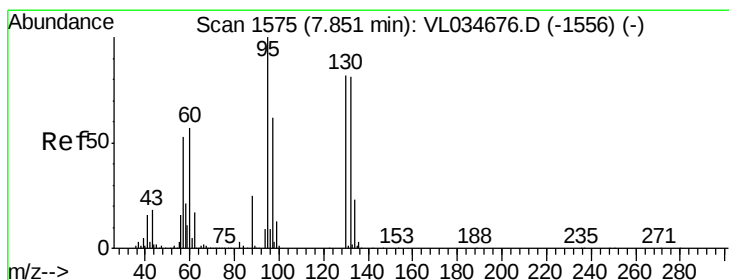
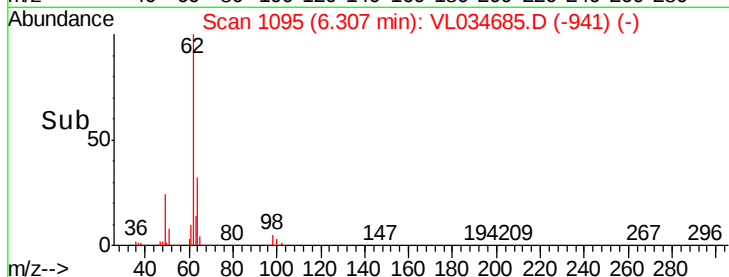
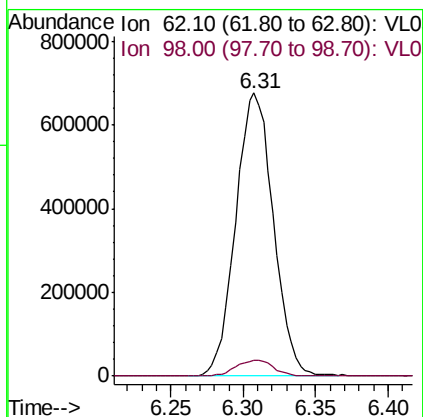
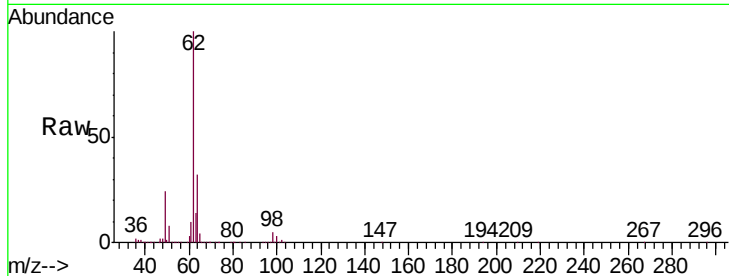
VL0226ABS01

Tgt Ion: 62 Resp: 1221893

Ion Ratio Lower Upper

62 100

98 5.7 4.7 7.1



#38

Trichloroethene

Concen: 9.467 ppbv

RT: 7.85 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VL034685.D

Acq: 26 Feb 2020 8:55

Tgt Ion: 130 Resp: 716372

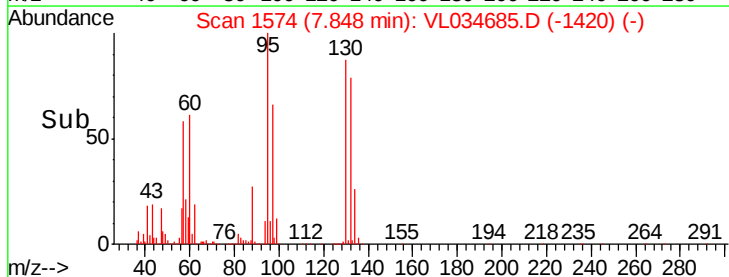
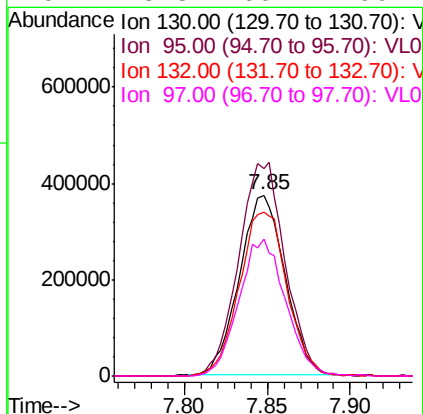
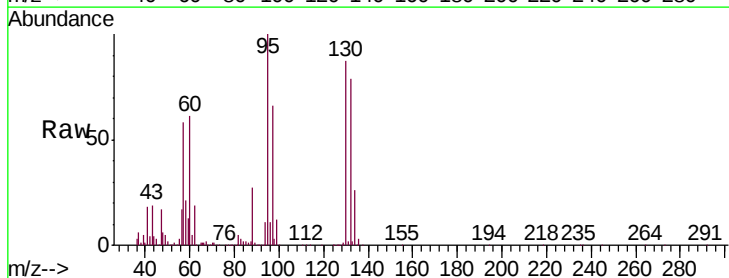
Ion Ratio Lower Upper

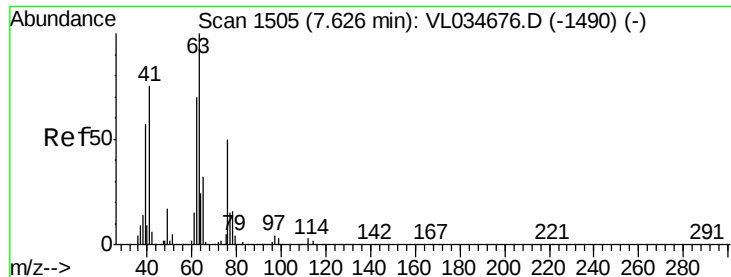
130 100

95 115.0 97.1 145.7

132 91.1 78.3 117.5

97 75.8 60.1 90.1





#39

1,2-Dichloropropane

Concen: 9.924 ppbv

RT: 7.62 min Scan# 1504

Delta R.T. -0.00 min

Lab File: VL034685.D

Acq: 26 Feb 2020 8:55

Instrument :

MSVOA_L

ClientSampleId :

VL0226ABS01

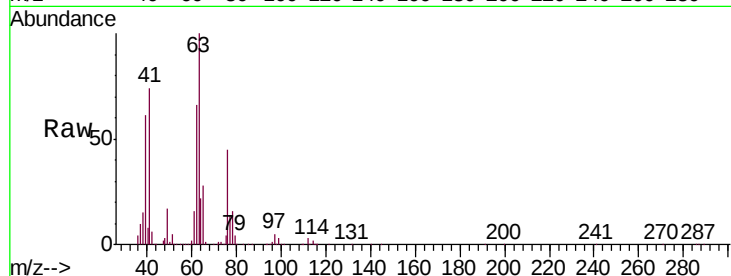
Tgt Ion: 63 Resp: 775065

Ion Ratio Lower Upper

63 100

41 73.6 60.2 90.4

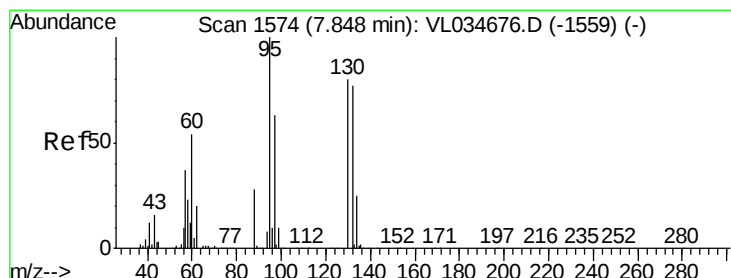
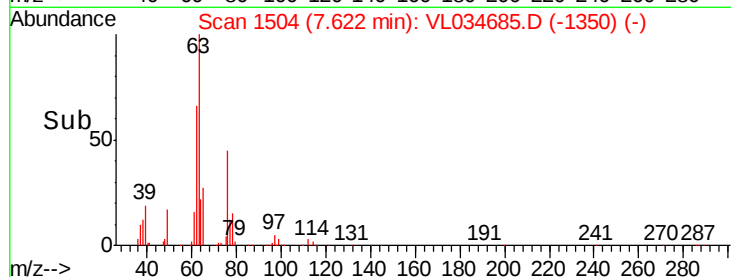
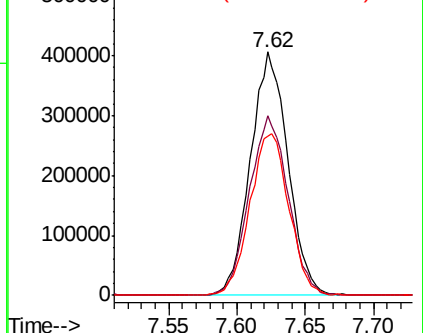
62 65.4 56.3 84.5



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 5.365 ppbv

RT: 7.85 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VL034685.D

Acq: 26 Feb 2020 8:55

Tgt Ion: 88 Resp: 142484

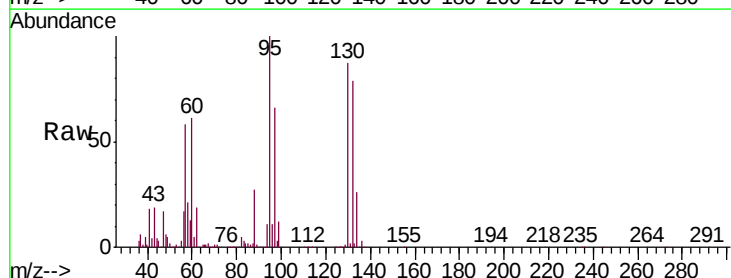
Ion Ratio Lower Upper

88 100

58 266.5 104.6 156.8#

43 0.0 212.9 319.3#

57 0.0 935.2 1402.8#

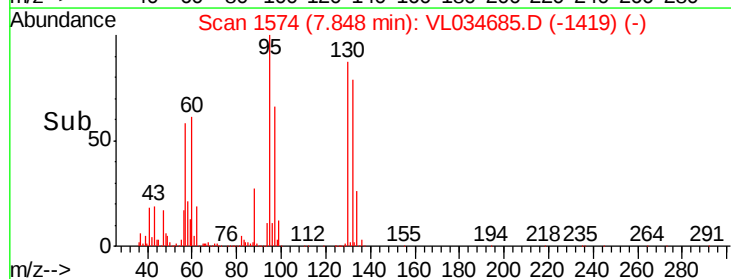
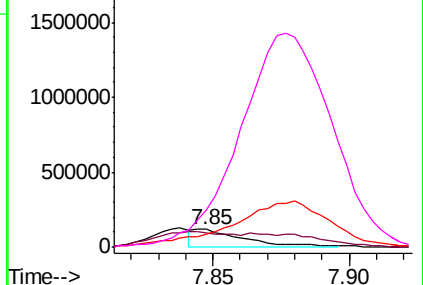


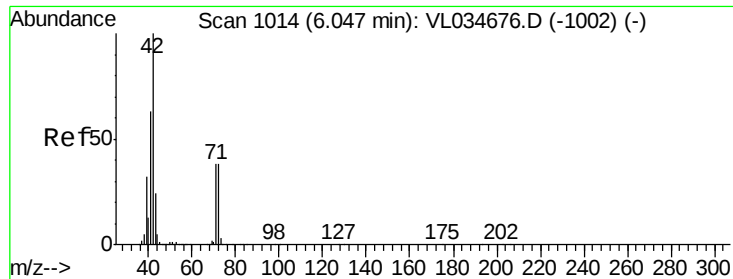
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

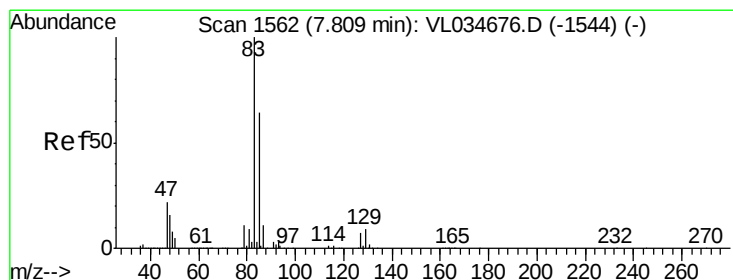
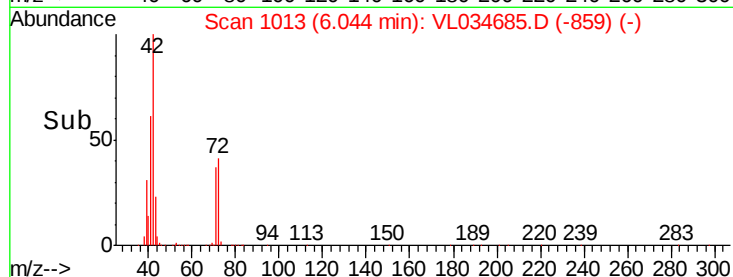
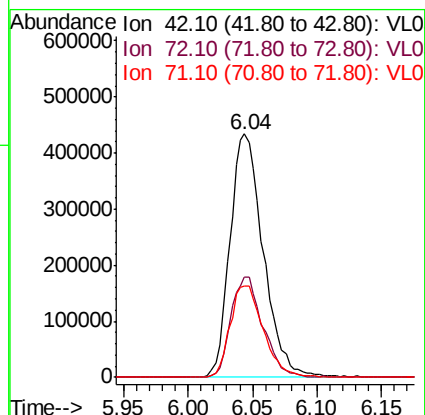
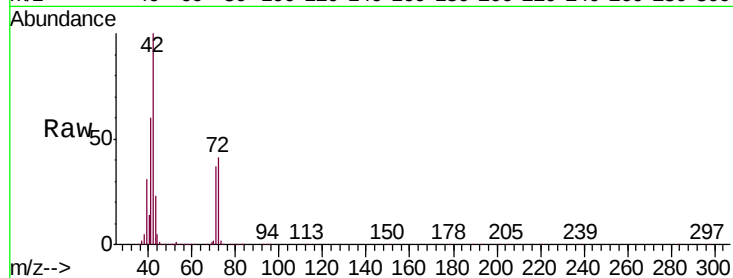




#41
Tetrahydrofuran
Concen: 10.259 ppbv
RT: 6.04 min Scan# 1013
Delta R.T. -0.00 min
Lab File: VL034685.D
Acq: 26 Feb 2020 8:55

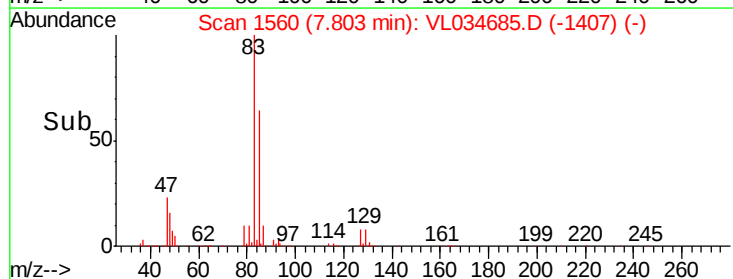
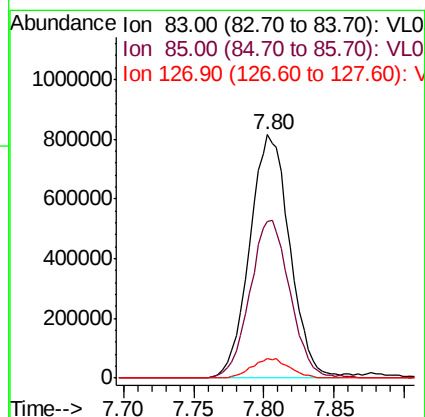
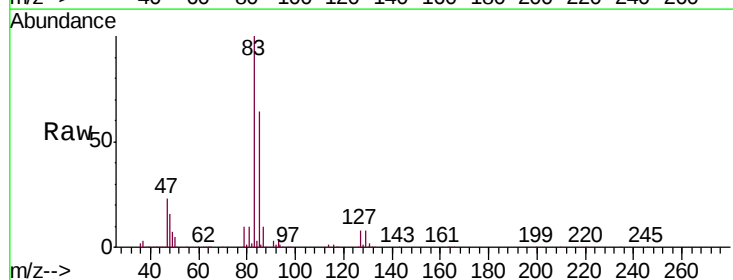
Instrument :
MSVOA_L
ClientSampleId :
VL0226ABS01

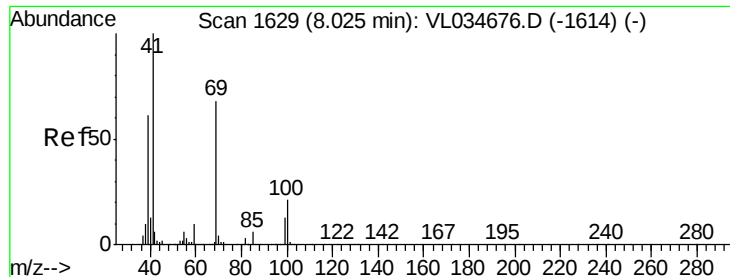
Tgt Ion: 42 Resp: 774649
Ion Ratio Lower Upper
42 100
72 40.1 31.7 47.5
71 37.8 30.7 46.1



#42
Bromodichloromethane
Concen: 10.000 ppbv
RT: 7.80 min Scan# 1560
Delta R.T. -0.01 min
Lab File: VL034685.D
Acq: 26 Feb 2020 8:55

Tgt Ion: 83 Resp: 1620035
Ion Ratio Lower Upper
83 100
85 64.0 51.1 76.7
127 8.2 5.8 8.8

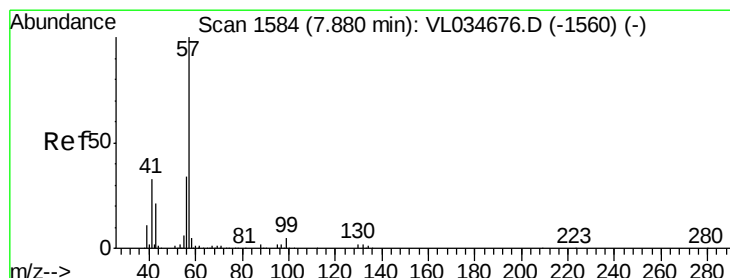
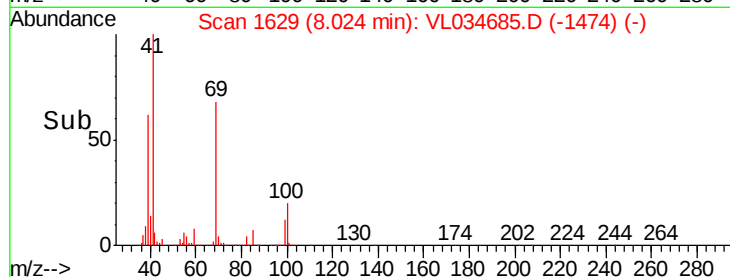
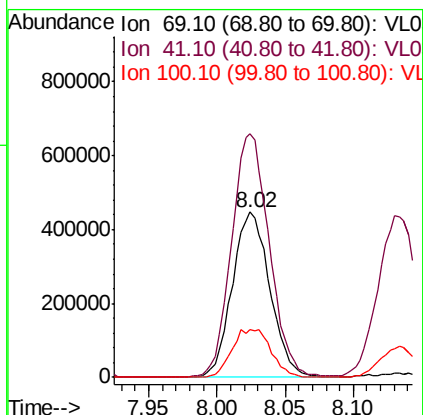
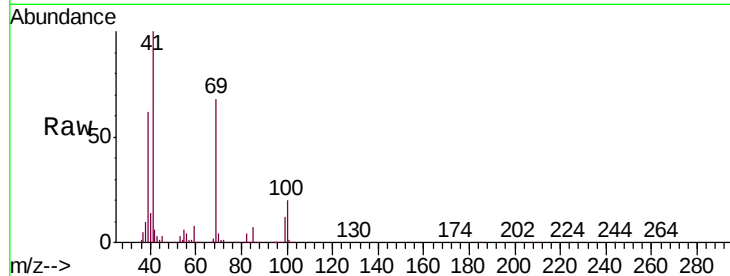




#43
Methyl Methacrylate
Concen: 10.331 ppbv
RT: 8.02 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VL034685.D
Acq: 26 Feb 2020 8:55

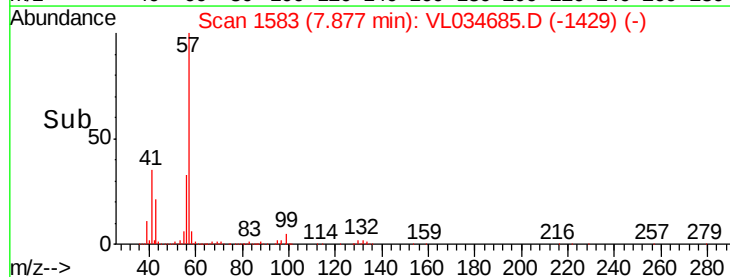
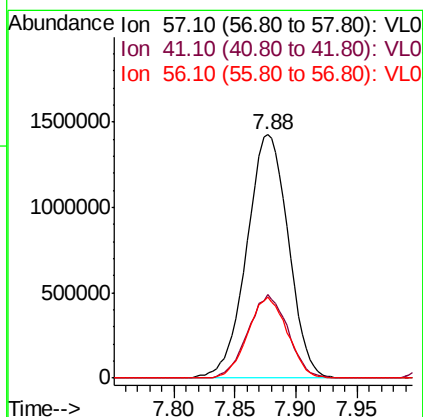
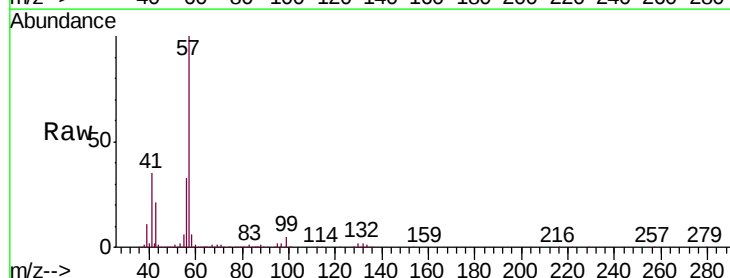
Instrument :
MSVOA_L
ClientSampleId :
VL0226ABS01

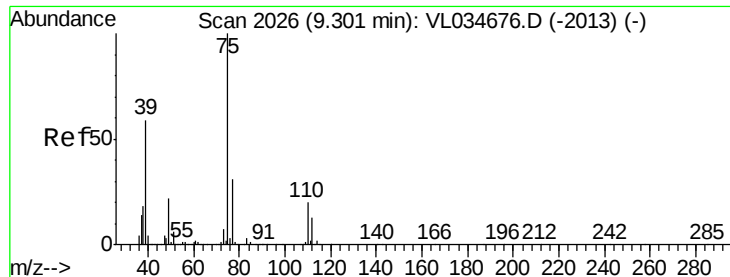
Tgt Ion: 69 Resp: 853000
Ion Ratio Lower Upper
69 100
41 147.7 118.2 177.2
100 30.6 24.2 36.2



#44
2,2,4-Trimethylpentane
Concen: 9.790 ppbv
RT: 7.88 min Scan# 1583
Delta R.T. -0.00 min
Lab File: VL034685.D
Acq: 26 Feb 2020 8:55

Tgt Ion: 57 Resp: 3359005
Ion Ratio Lower Upper
57 100
41 33.0 26.0 39.0
56 31.7 25.6 38.4





#45

t-1,3-Dichloropropene

Concen: 11.462 ppbv

RT: 9.30 min Scan# 2025

Delta R.T. -0.00 min

Lab File: VL034685.D

Acq: 26 Feb 2020 8:55

Instrument :

MSVOA_L

ClientSampleId :

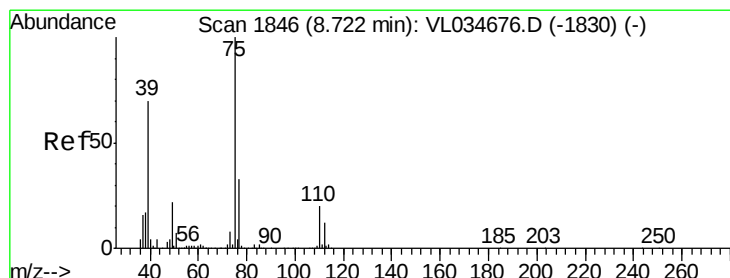
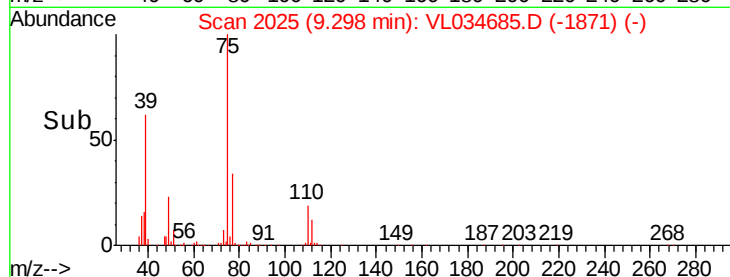
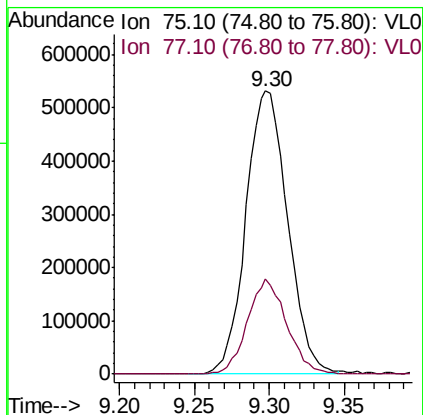
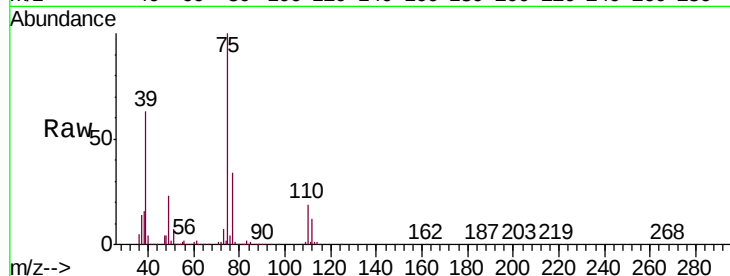
VL0226ABS01

Tgt Ion: 75 Resp: 1032747

Ion Ratio Lower Upper

75 100

77 33.7 25.3 37.9



#46

cis-1,3-Dichloropropene

Concen: 11.031 ppbv

RT: 8.72 min Scan# 1845

Delta R.T. -0.00 min

Lab File: VL034685.D

Acq: 26 Feb 2020 8:55

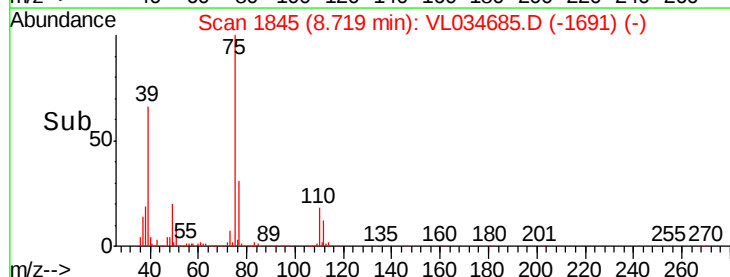
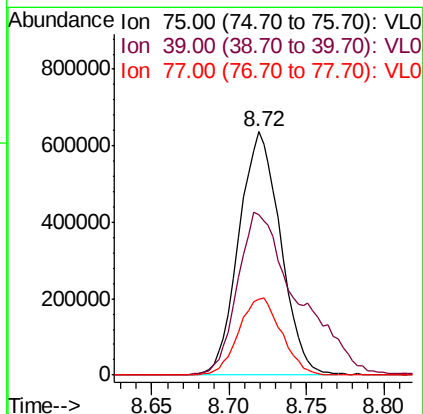
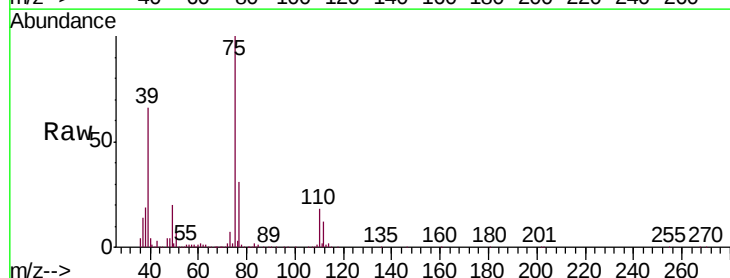
Tgt Ion: 75 Resp: 1192047

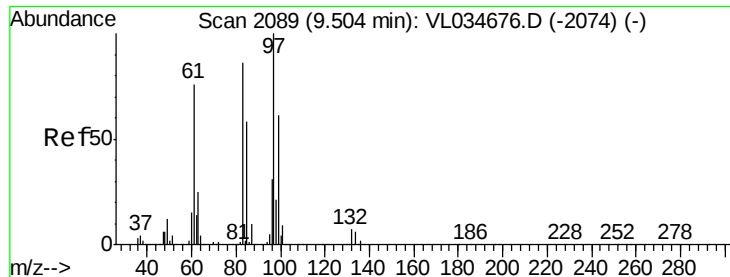
Ion Ratio Lower Upper

75 100

39 65.7 55.7 83.5

77 31.4 26.3 39.5

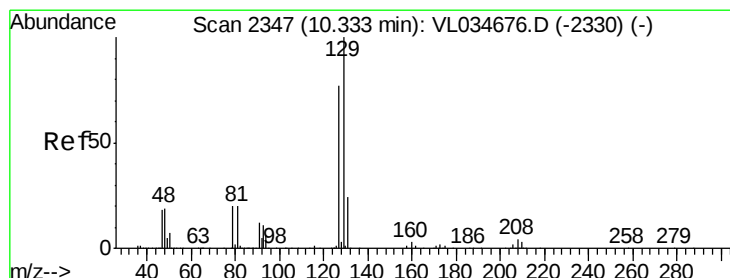
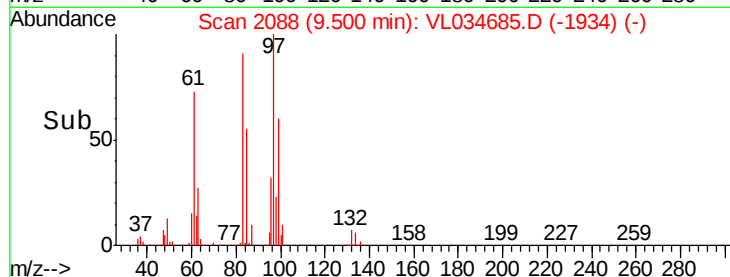
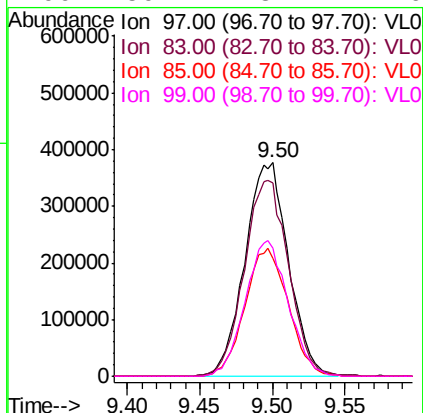
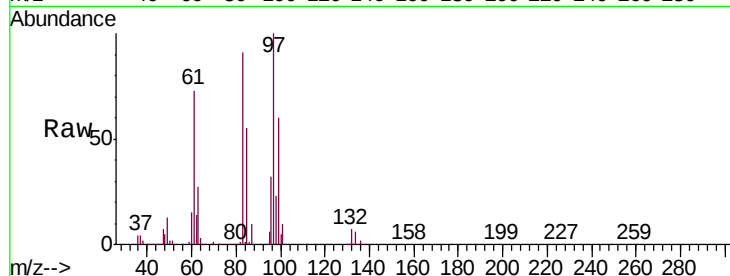




#47
 1,1,2-Trichloroethane
 Concen: 9.866 ppbv
 RT: 9.50 min Scan# 2088
 Delta R.T. -0.00 min
 Lab File: VL034685.D
 Acq: 26 Feb 2020 8:55

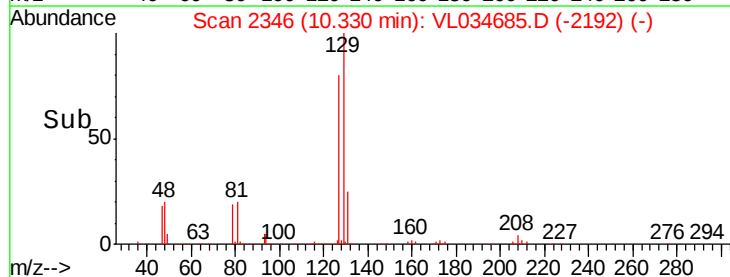
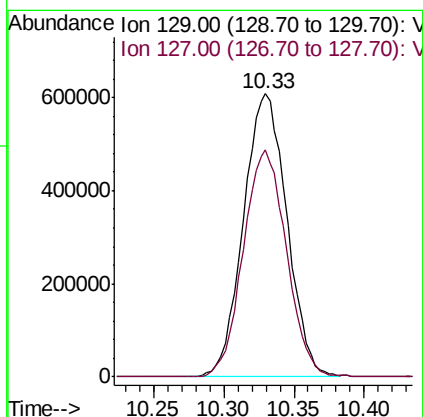
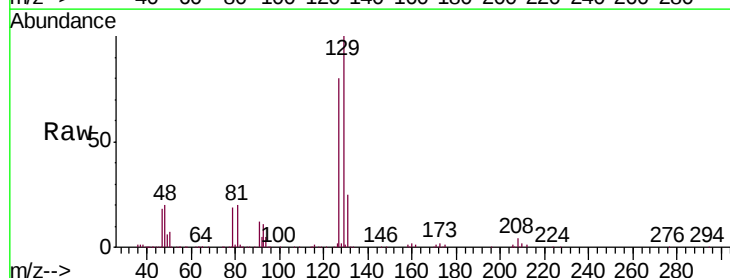
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0226ABS01

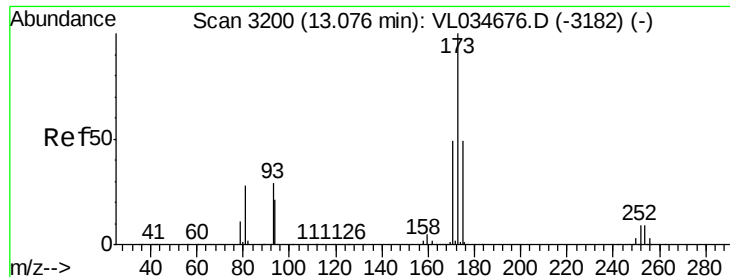
Tgt Ion: 97 Resp: 790531
 Ion Ratio Lower Upper
 97 100
 83 90.6 69.4 104.0
 85 54.9 46.4 69.6
 99 59.7 48.4 72.6



#48
 Dibromochloromethane
 Concen: 10.505 ppbv
 RT: 10.33 min Scan# 2346
 Delta R.T. -0.00 min
 Lab File: VL034685.D
 Acq: 26 Feb 2020 8:55

Tgt Ion: 129 Resp: 1308872
 Ion Ratio Lower Upper
 129 100
 127 79.8 39.3 117.8





#49

Bromoform

Concen: 10.666 ppbv

RT: 13.07 min Scan# 3199

Delta R.T. -0.00 min

Lab File: VL034685.D

Acq: 26 Feb 2020 8:55

Instrument :

MSVOA_L

ClientSampleId :

VL0226ABS01

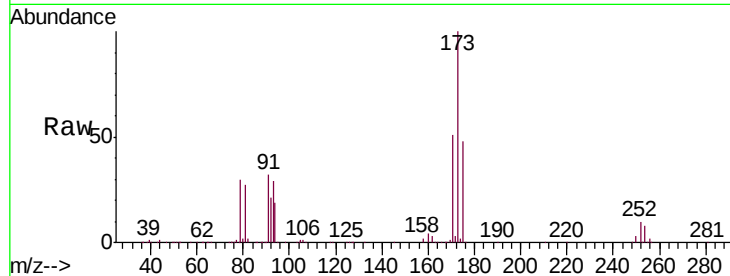
Tgt Ion:173 Resp: 1152180

Ion Ratio Lower Upper

173 100

175 49.0 38.6 58.0

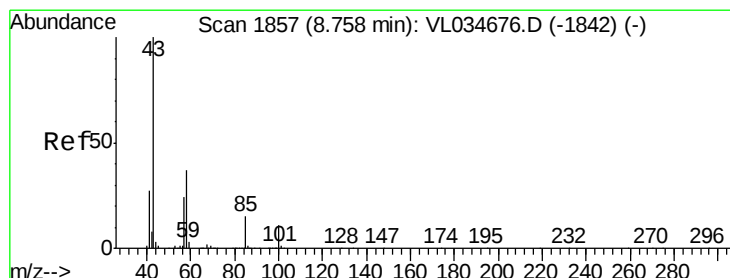
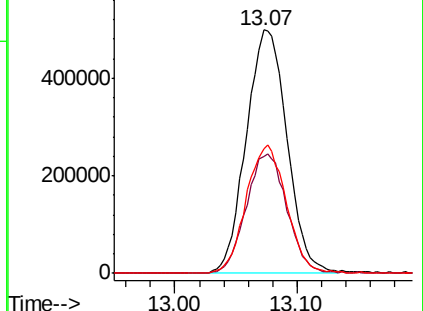
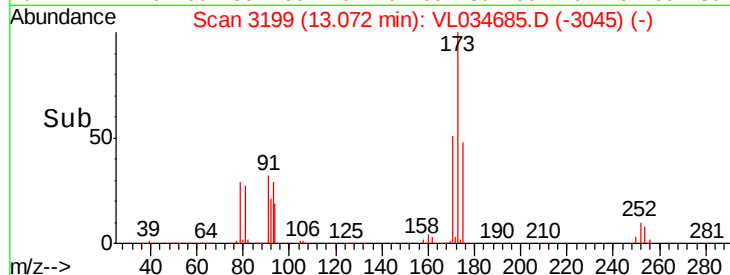
171 52.5 41.5 62.3



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: 10.577 ppbv

RT: 8.75 min Scan# 1856

Delta R.T. -0.00 min

Lab File: VL034685.D

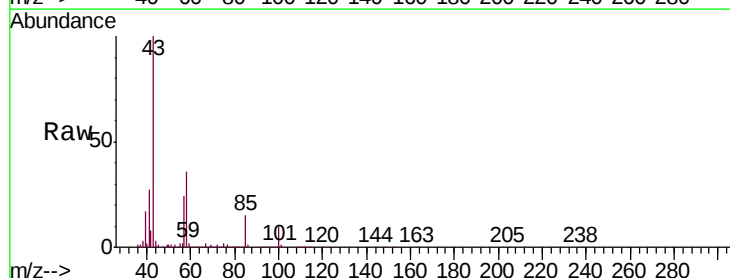
Acq: 26 Feb 2020 8:55

Tgt Ion: 43 Resp: 2143306

Ion Ratio Lower Upper

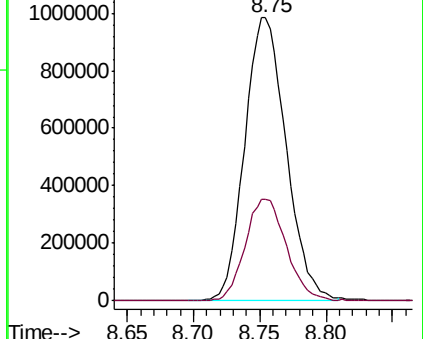
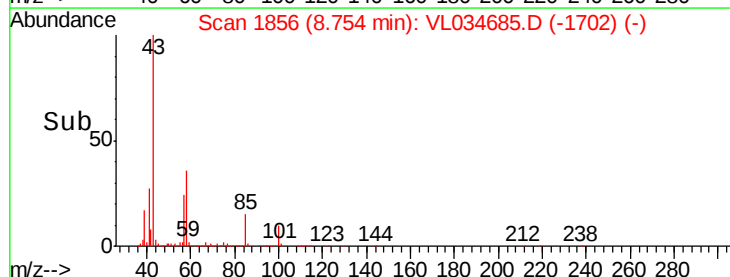
43 100

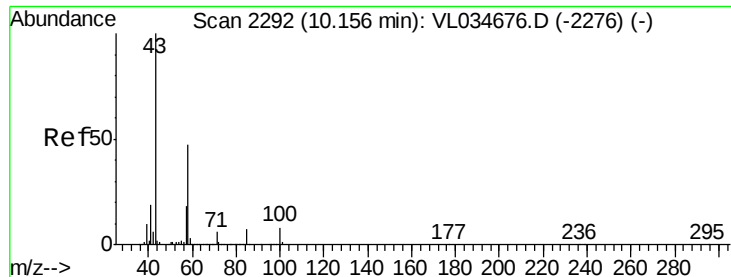
58 35.9 29.0 43.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 11.276 ppbv

RT: 10.15 min Scan# 2290

Delta R.T. -0.01 min

Lab File: VL034685.D

Acq: 26 Feb 2020 8:55

Instrument :

MSVOA_L

ClientSampleId :

VL0226ABS01

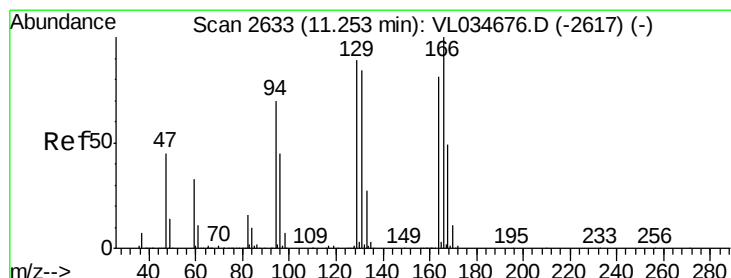
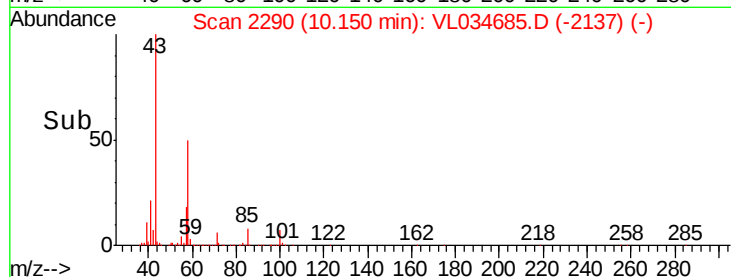
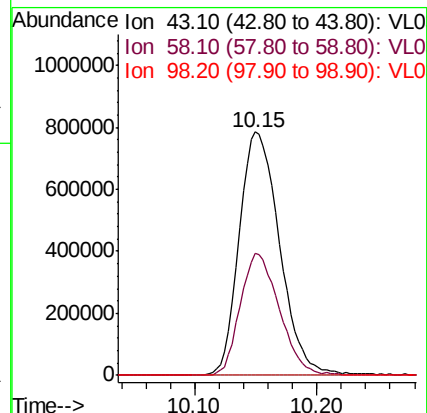
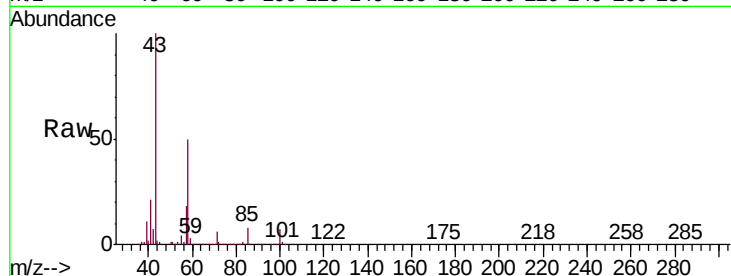
Tgt Ion: 43 Resp: 1798127

Ion Ratio Lower Upper

43 100

58 48.7 39.4 59.0

98 0.3 0.2 0.2#



#52

Tetrachloroethene

Concen: 9.198 ppbv

RT: 11.25 min Scan# 2632

Delta R.T. -0.00 min

Lab File: VL034685.D

Acq: 26 Feb 2020 8:55

Tgt Ion: 164 Resp: 661896

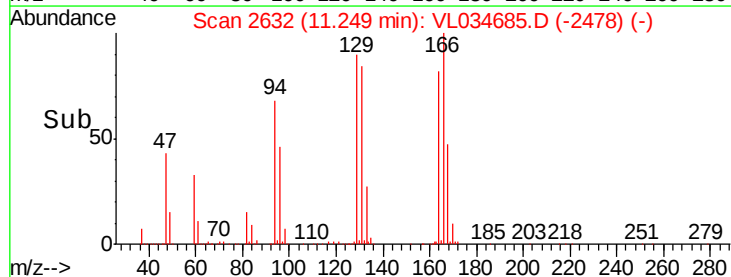
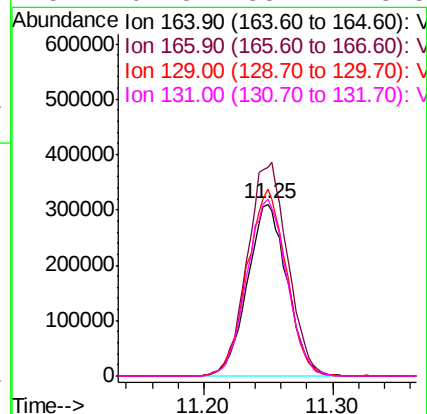
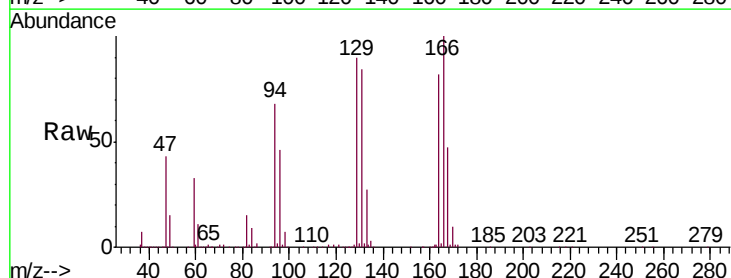
Ion Ratio Lower Upper

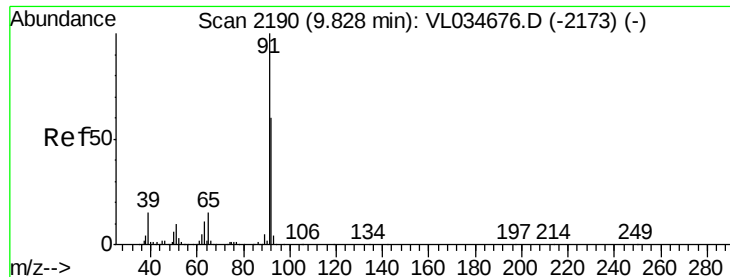
164 100

166 121.8 99.2 148.8

129 109.1 88.0 132.0

131 102.8 83.7 125.5





#53

Toluene

Concen: 10.558 ppbv

RT: 9.82 min Scan# 2189

Delta R.T. -0.00 min

Lab File: VL034685.D

Acq: 26 Feb 2020 8:55

Instrument :

MSVOA_L

ClientSampleId :

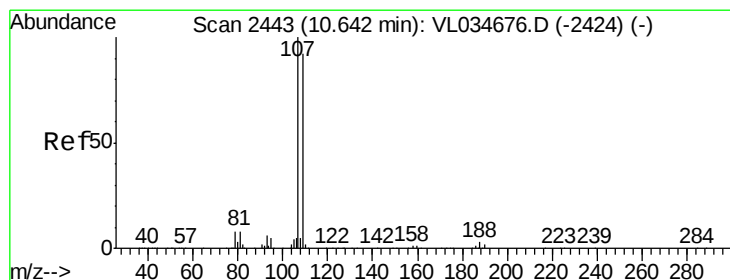
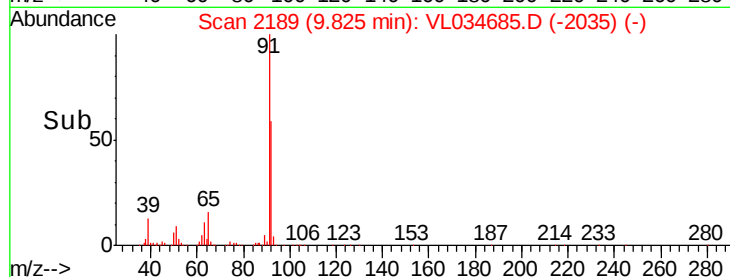
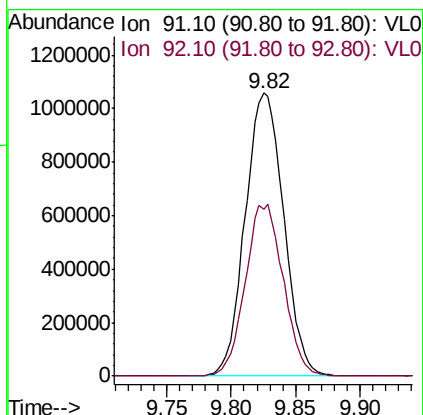
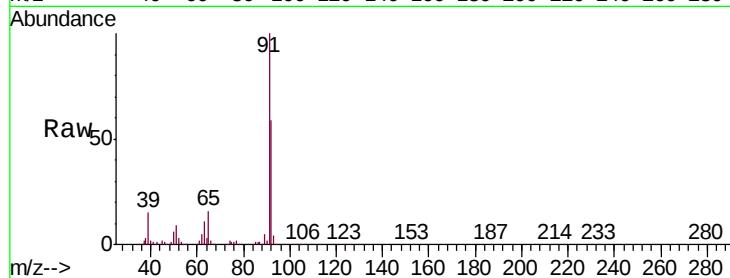
VL0226ABS01

Tgt Ion: 91 Resp: 2204400

Ion Ratio Lower Upper

91 100

92 59.9 48.5 72.7



#54

1,2-Dibromoethane

Concen: 10.111 ppbv

RT: 10.63 min Scan# 2440

Delta R.T. -0.01 min

Lab File: VL034685.D

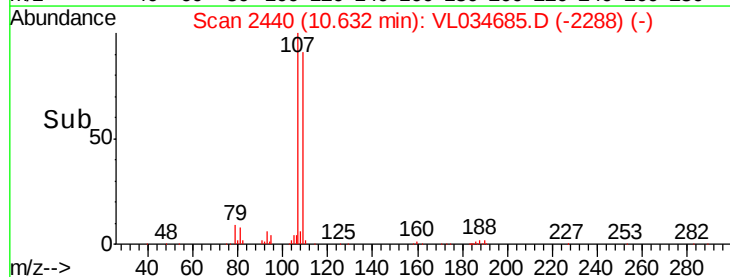
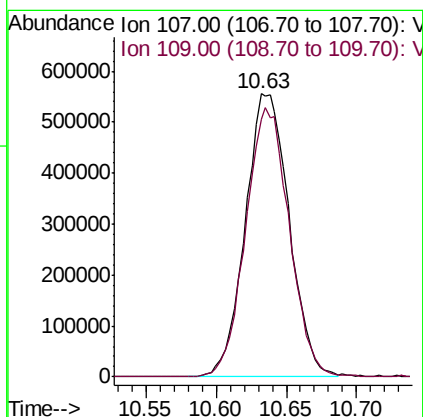
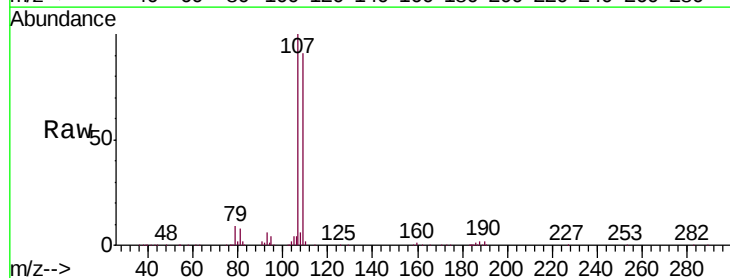
Acq: 26 Feb 2020 8:55

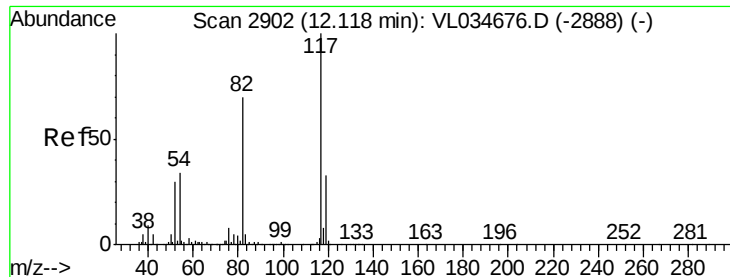
Tgt Ion: 107 Resp: 1208654

Ion Ratio Lower Upper

107 100

109 91.2 73.9 110.9

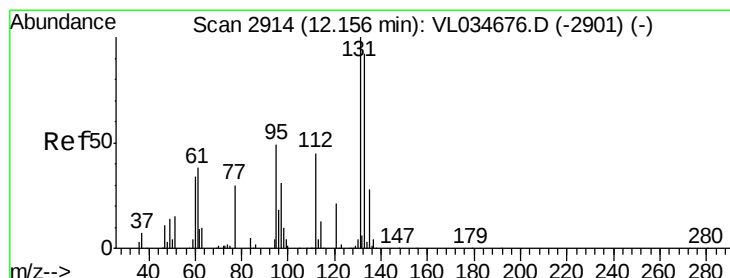
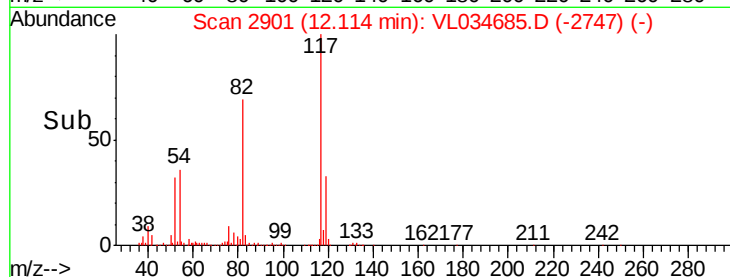
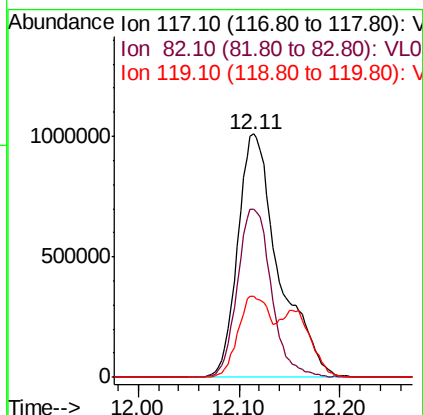
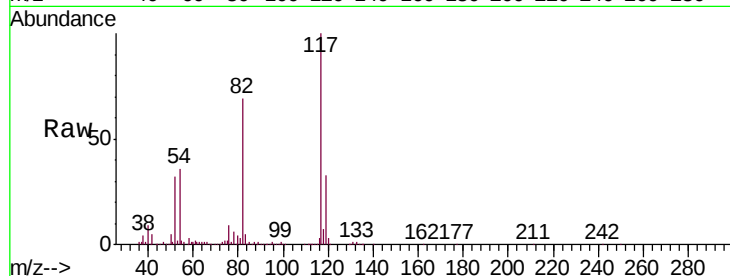




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2901
Delta R.T. -0.00 min
Lab File: VL034685.D
Acq: 26 Feb 2020 8:55

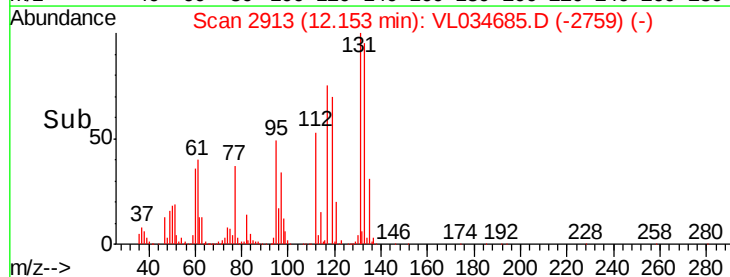
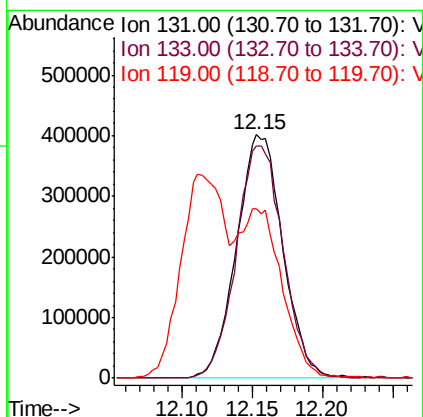
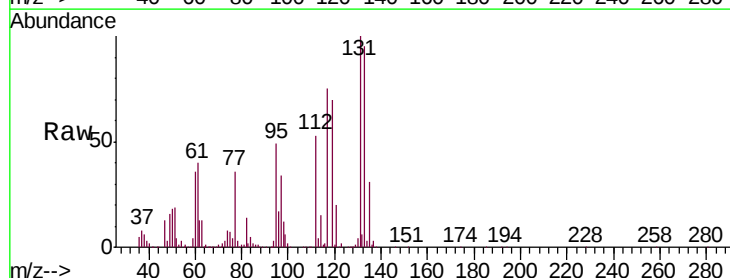
Instrument :
MSVOA_L
ClientSampleId :
VL0226ABS01

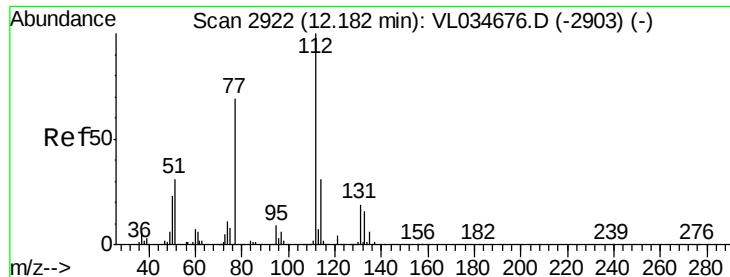
Tgt Ion:117 Resp: 2854926
Ion Ratio Lower Upper
117 100
82 57.4 54.1 81.1
119 47.2 27.6 41.4#



#56
1,1,1,2-Tetrachloroethane
Concen: 7.497 ppbv
RT: 12.15 min Scan# 2913
Delta R.T. -0.00 min
Lab File: VL034685.D
Acq: 26 Feb 2020 8:55

Tgt Ion:131 Resp: 911549
Ion Ratio Lower Upper
131 100
133 98.3 76.6 114.8
119 147.8 51.3 76.9#





#57

Chlorobenzene

Concen: 7.726 ppbv

RT: 12.18 min Scan# 2920

Delta R.T. -0.01 min

Lab File: VL034685.D

Acq: 26 Feb 2020 8:55

Instrument :

MSVOA_L

ClientSampleId :

VL0226ABS01

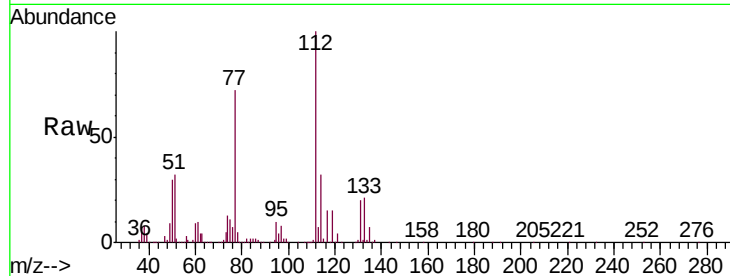
Tgt Ion: 112 Resp: 1630322

Ion Ratio Lower Upper

112 100

77 72.1 56.5 84.7

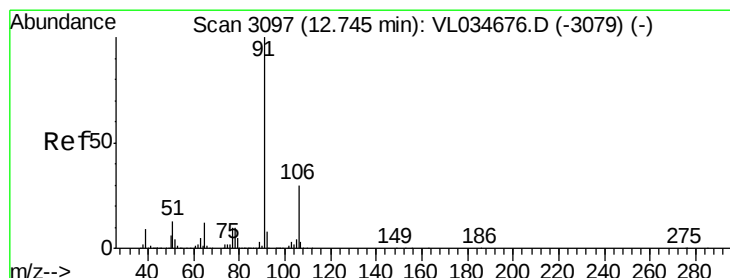
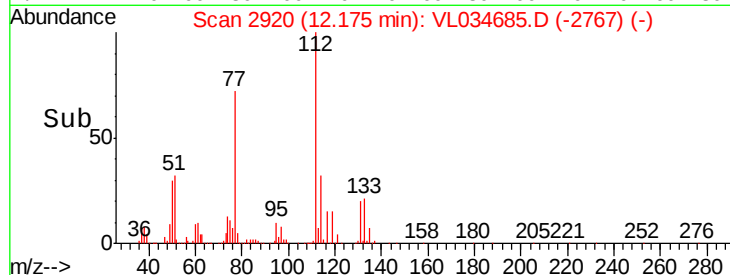
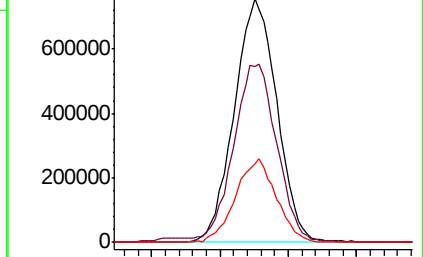
114 32.0 28.1 34.3



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 8.502 ppbv

RT: 12.74 min Scan# 3095

Delta R.T. -0.01 min

Lab File: VL034685.D

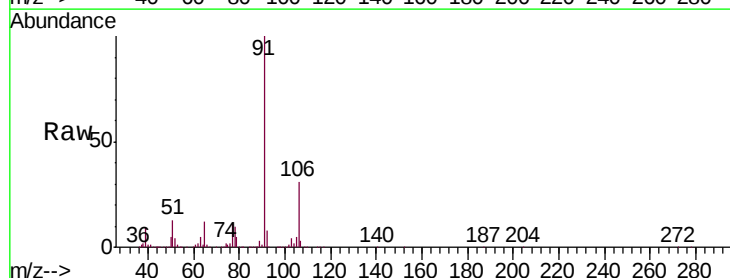
Acq: 26 Feb 2020 8:55

Tgt Ion: 91 Resp: 2936486

Ion Ratio Lower Upper

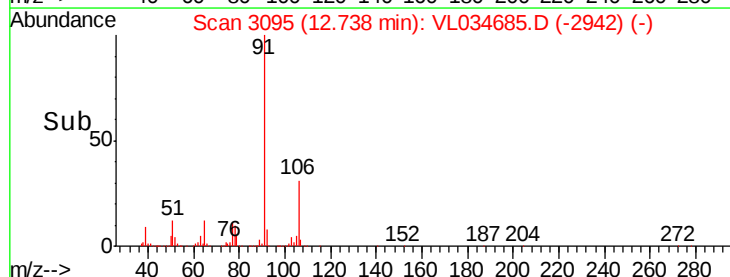
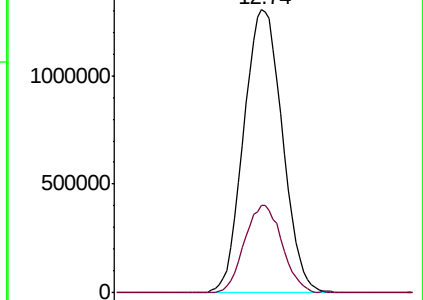
91 100

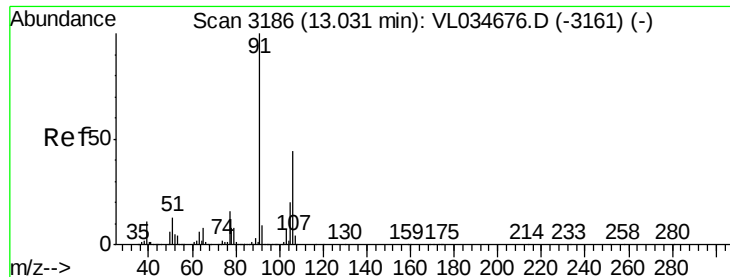
106 31.1 24.0 36.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 6.105 ppbv

RT: 13.03 min Scan# 3185

Delta R.T. -0.00 min

Lab File: VL034685.D

Acq: 26 Feb 2020 8:55

Instrument :

MSVOA_L

ClientSampleId :

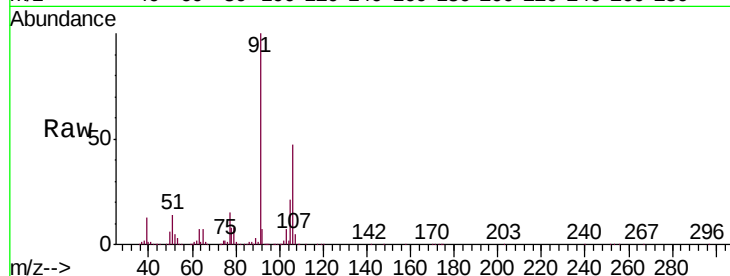
VL0226ABS01

Tgt Ion: 91 Resp: 1839221

Ion Ratio Lower Upper

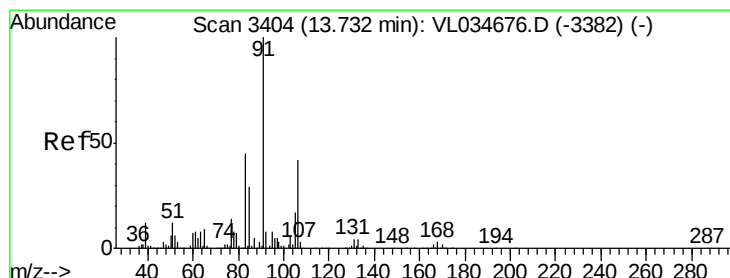
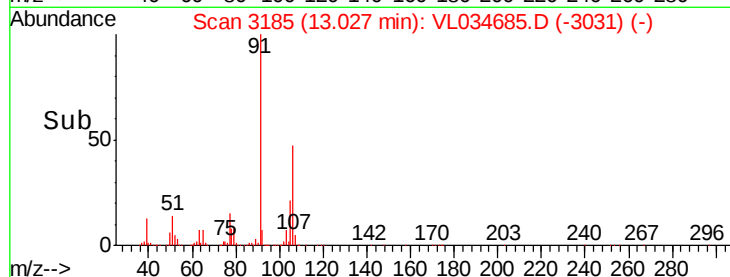
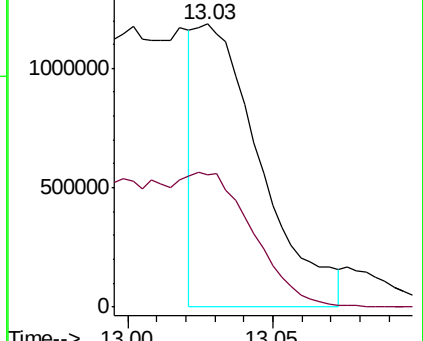
91 100

106 118.7 35.6 53.4#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#60

o-Xylene

Concen: 8.114 ppbv

RT: 13.72 min Scan# 3401

Delta R.T. -0.01 min

Lab File: VL034685.D

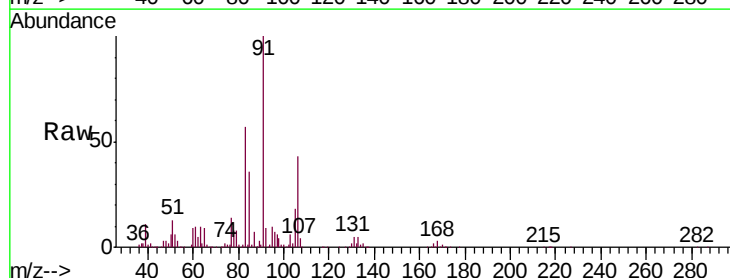
Acq: 26 Feb 2020 8:55

Tgt Ion: 91 Resp: 2425777

Ion Ratio Lower Upper

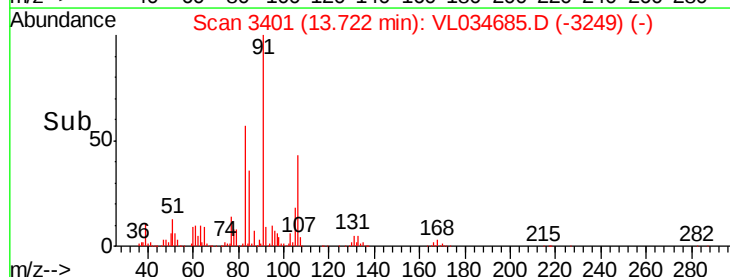
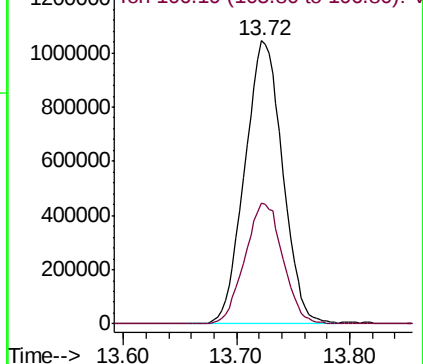
91 100

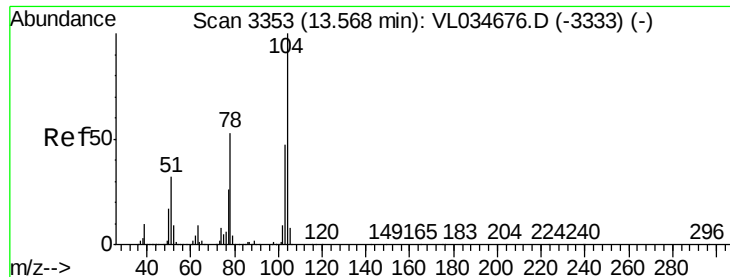
106 43.0 21.9 65.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#61

Styrene

Concen: 9.015 ppbv

RT: 13.56 min Scan# 3351

Delta R.T. -0.01 min

Lab File: VL034685.D

Acq: 26 Feb 2020 8:55

Instrument :

MSVOA_L

ClientSampleId :

VL0226ABS01

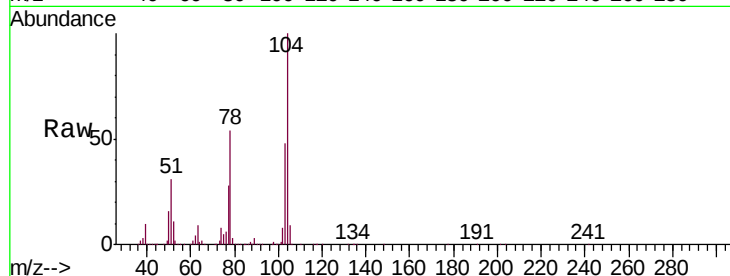
Tgt Ion:104 Resp: 1731107

Ion Ratio Lower Upper

104 100

78 55.5 44.2 66.4

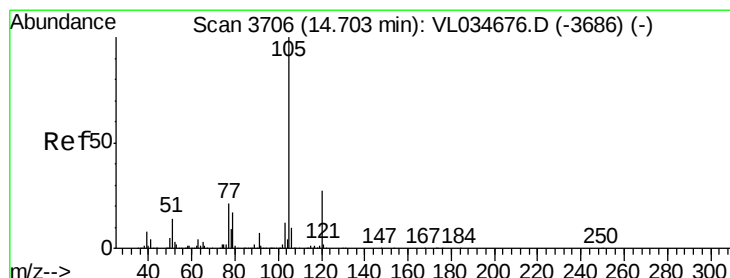
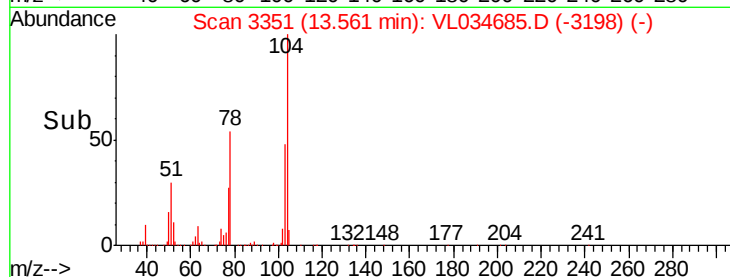
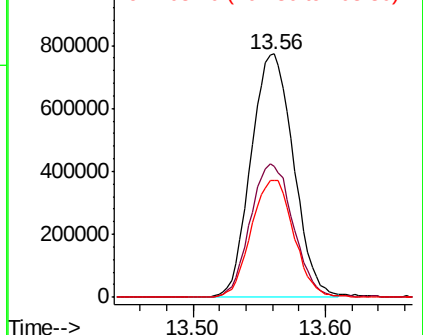
103 48.3 37.4 56.0



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 7.817 ppbv

RT: 14.70 min Scan# 3706

Delta R.T. -0.00 min

Lab File: VL034685.D

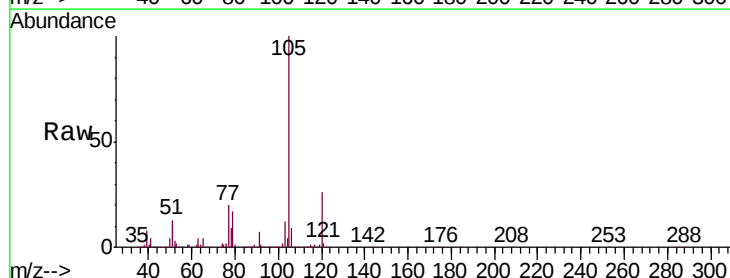
Acq: 26 Feb 2020 8:55

Tgt Ion:105 Resp: 3408851

Ion Ratio Lower Upper

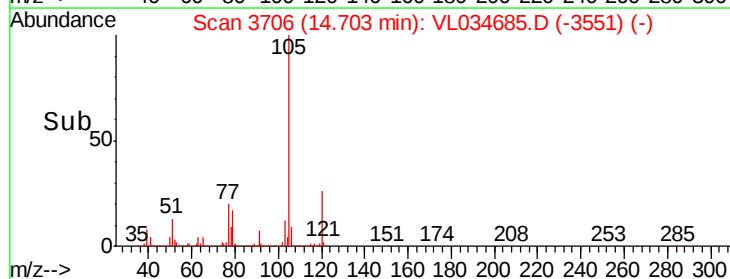
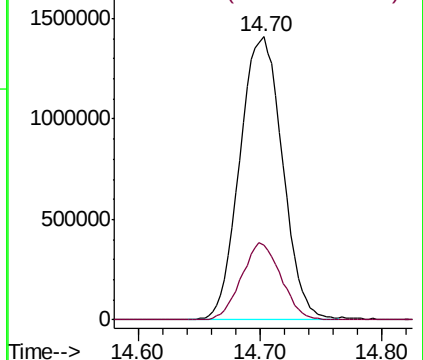
105 100

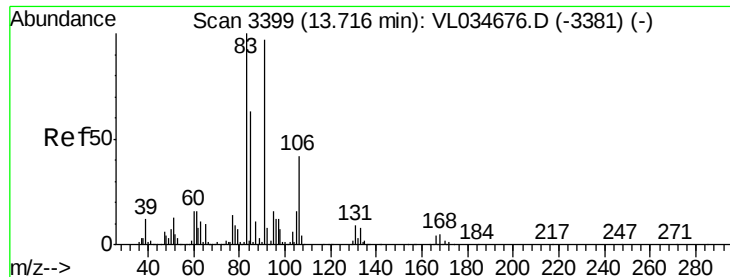
120 25.4 20.2 30.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#63

1,1,2,2-Tetrachloroethane

Concen: 7.502 ppbv

RT: 13.71 min Scan# 3398

Delta R.T. -0.00 min

Lab File: VL034685.D

Acq: 26 Feb 2020 8:55

Instrument :

MSVOA_L

ClientSampleId :

VL0226ABS01

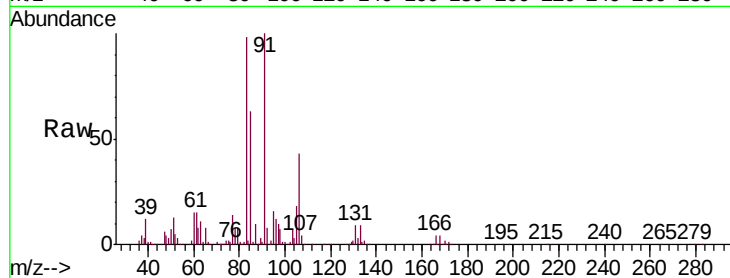
Tgt Ion: 83 Resp: 1747922

Ion Ratio Lower Upper

83 100

131 8.8 4.4 13.2

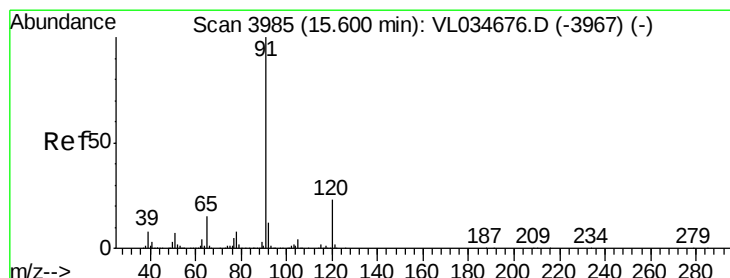
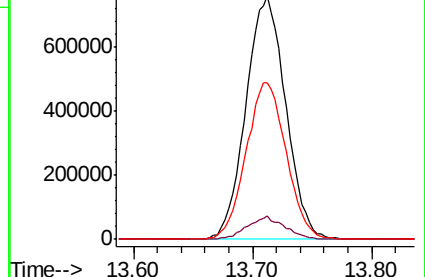
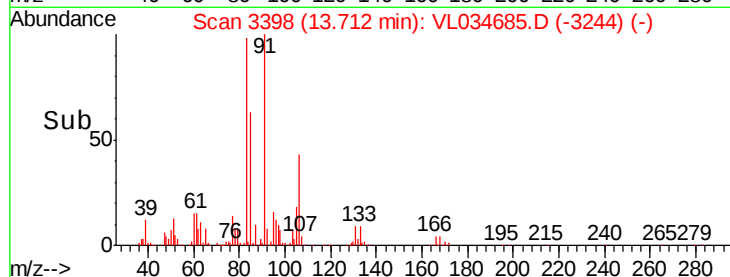
85 65.3 32.5 97.5



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: 7.955 ppbv

RT: 15.60 min Scan# 3984

Delta R.T. -0.00 min

Lab File: VL034685.D

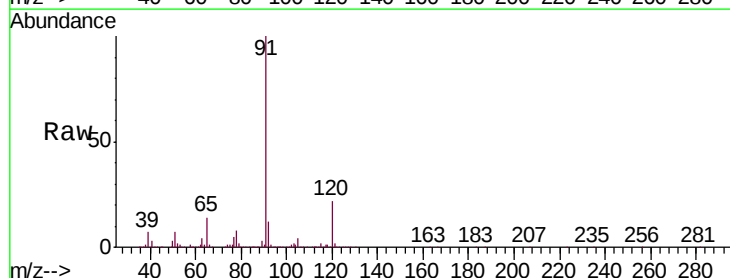
Acq: 26 Feb 2020 8:55

Tgt Ion: 120 Resp: 894394

Ion Ratio Lower Upper

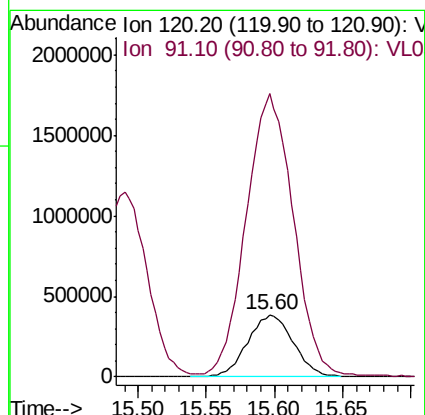
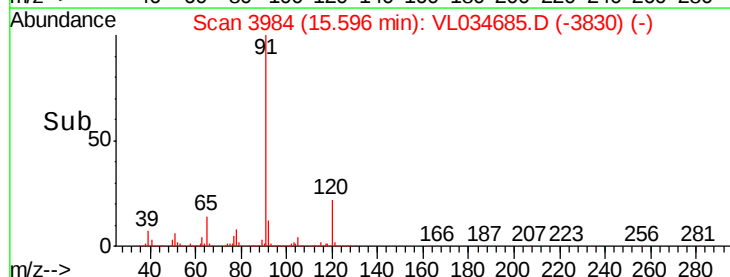
120 100

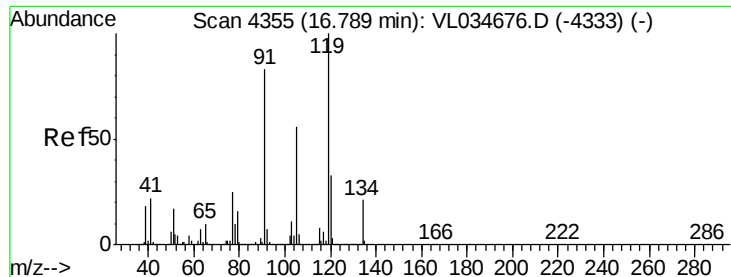
91 475.7 369.8 554.8



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0

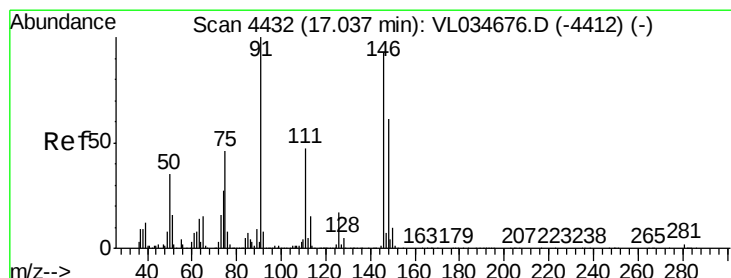
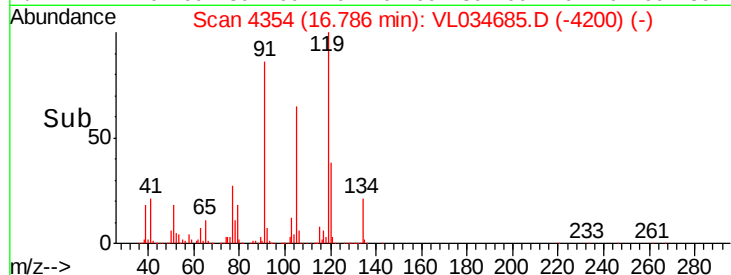
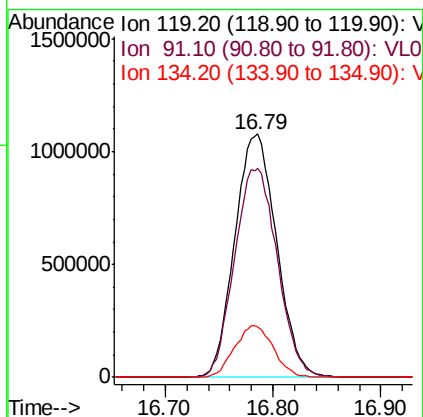
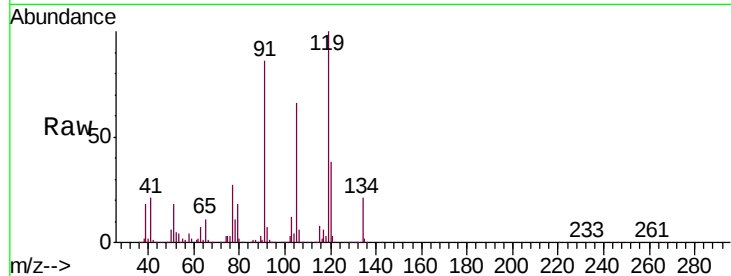




#65
 tert-Butylbenzene
 Concen: 7.696 ppbv
 RT: 16.79 min Scan# 4354
 Delta R.T. -0.00 min
 Lab File: VL034685.D
 Acq: 26 Feb 2020 8:55

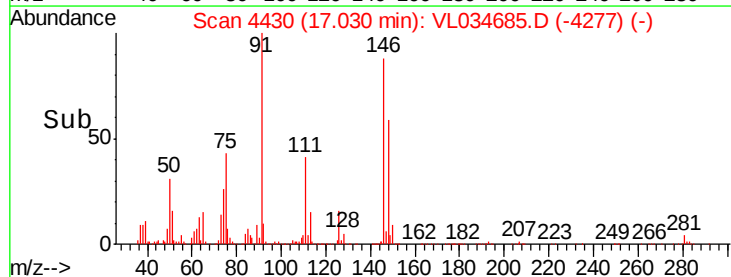
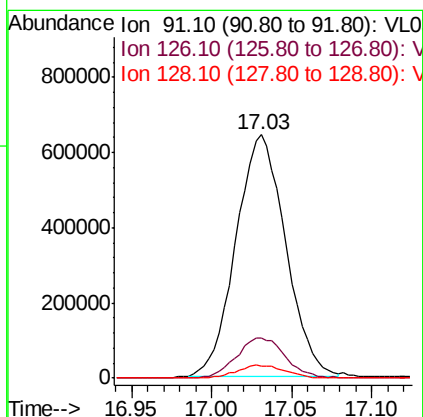
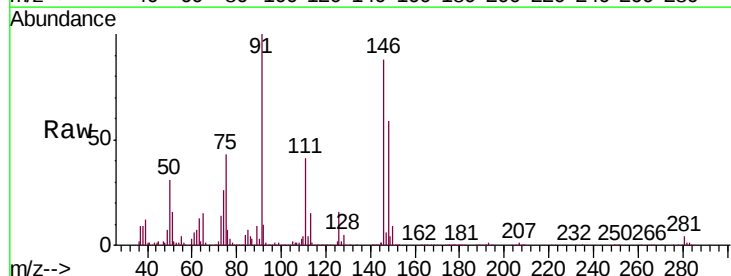
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0226ABS01

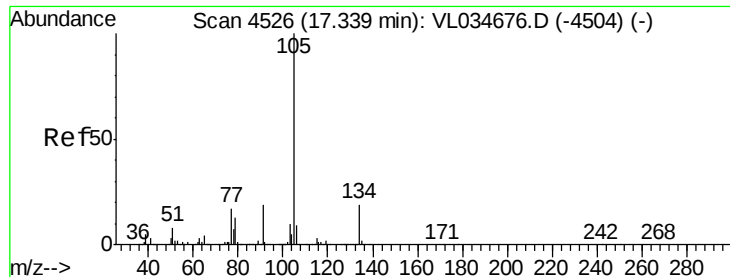
Tgt Ion: 119 Resp: 2897969
 Ion Ratio Lower Upper
 119 100
 91 88.2 69.1 103.7
 134 19.9 15.8 23.8



#66
 Benzyl Chloride
 Concen: 9.764 ppbv
 RT: 17.03 min Scan# 4430
 Delta R.T. -0.01 min
 Lab File: VL034685.D
 Acq: 26 Feb 2020 8:55

Tgt Ion: 91 Resp: 1371479
 Ion Ratio Lower Upper
 91 100
 126 16.5 13.5 20.3
 128 5.3 4.2 6.4

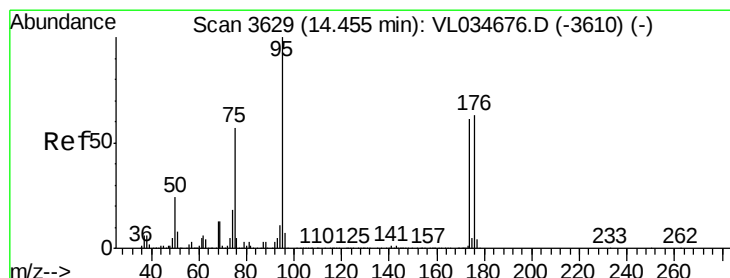
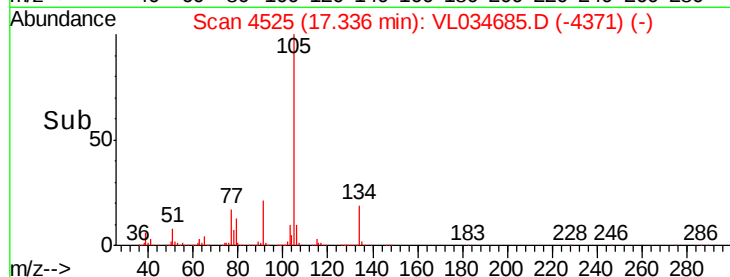
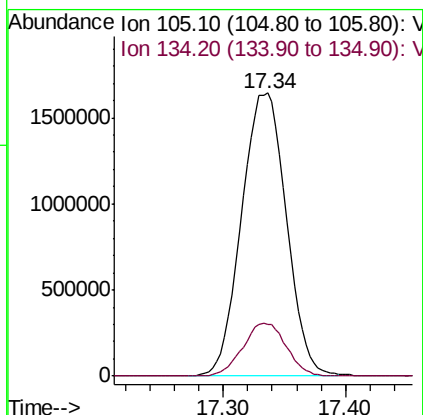
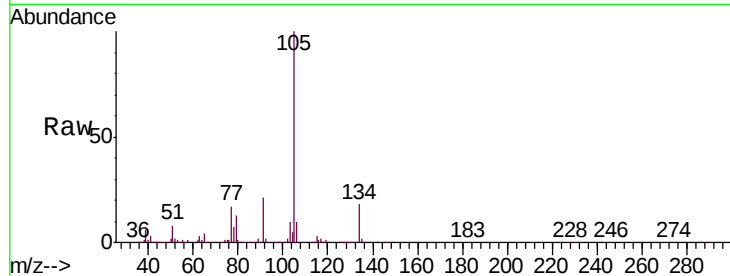




#67
 sec-Butylbenzene
 Concen: 7.712 ppbv
 RT: 17.34 min Scan# 4525
 Delta R.T. -0.00 min
 Lab File: VL034685.D
 Acq: 26 Feb 2020 8:55

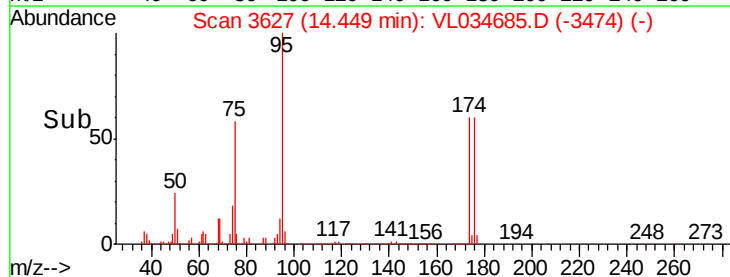
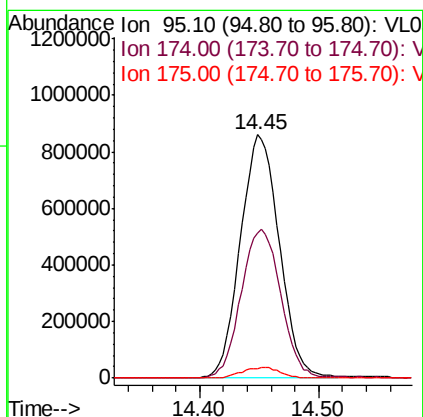
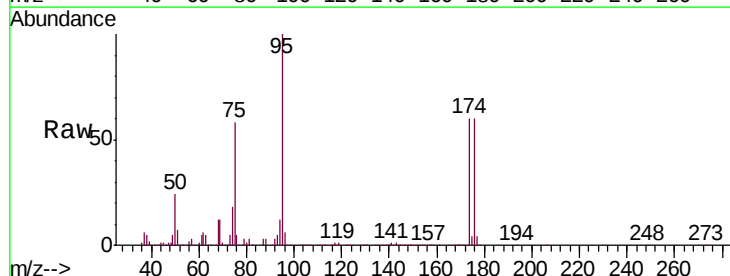
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0226ABS01

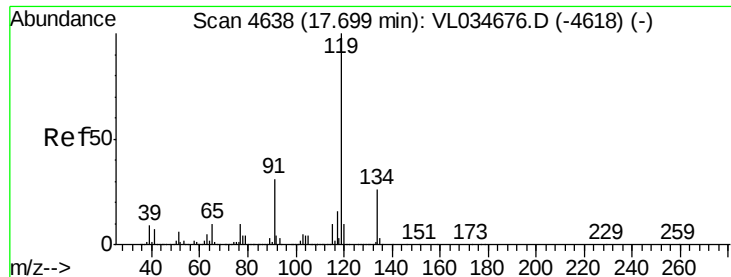
Tgt Ion: 105 Resp: 4178658
 Ion Ratio Lower Upper
 105 100
 134 18.3 14.8 22.2



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.340 ppbv
 RT: 14.45 min Scan# 3627
 Delta R.T. -0.01 min
 Lab File: VL034685.D
 Acq: 26 Feb 2020 8:55

Tgt Ion: 95 Resp: 1952362
 Ion Ratio Lower Upper
 95 100
 174 62.6 50.7 76.1
 175 4.6 3.9 5.9

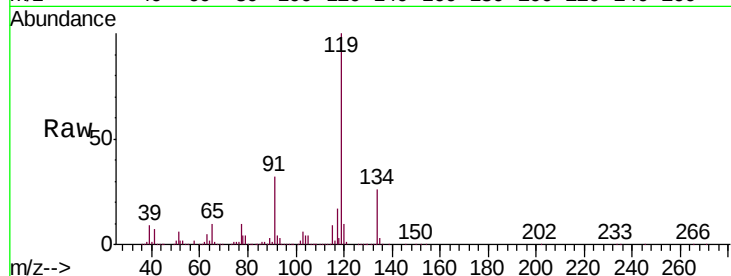




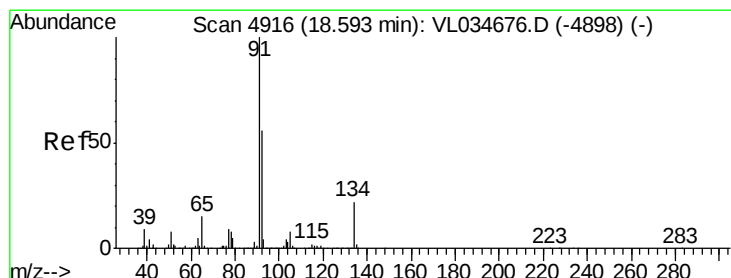
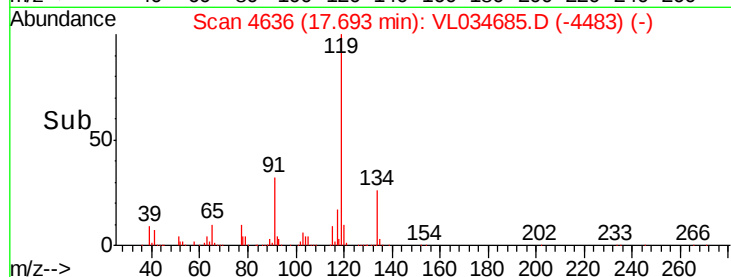
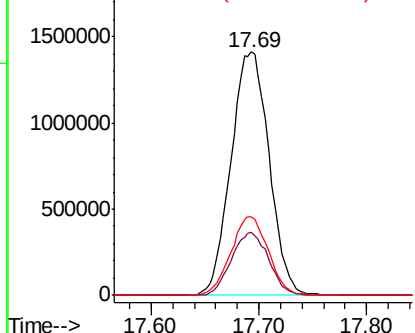
#69
p-Isopropyltoluene
Concen: 7.776 ppbv
RT: 17.69 min Scan# 4636
Delta R.T. -0.01 min
Lab File: VL034685.D
Acq: 26 Feb 2020 8:55

Instrument :
MSVOA_L
ClientSampleId :
VL0226ABS01

Tgt Ion: 119 Resp: 3468723
Ion Ratio Lower Upper
119 100
134 25.4 20.6 31.0
91 31.8 25.3 37.9

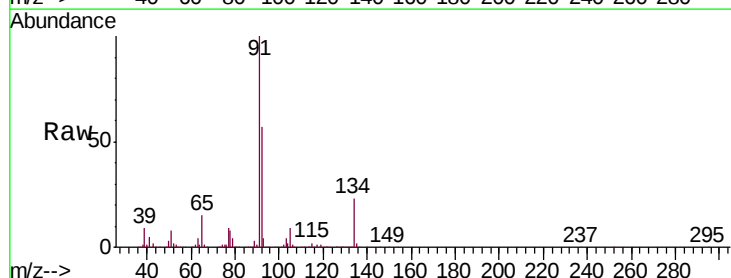


Abundance Ion 119.10 (118.80 to 119.80): V
Ion 134.20 (133.90 to 134.90): V
Ion 91.10 (90.80 to 91.80): V

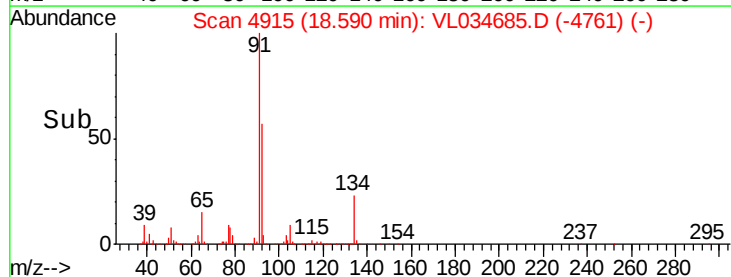
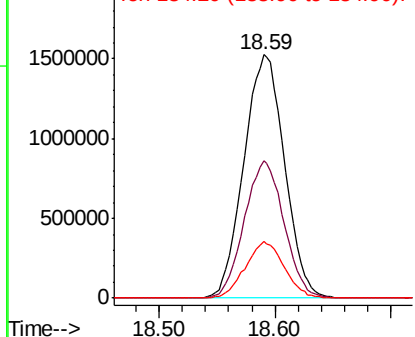


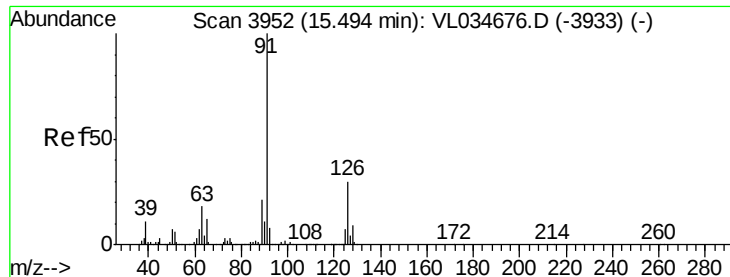
#70
n-Butylbenzene
Concen: 7.664 ppbv
RT: 18.59 min Scan# 4915
Delta R.T. -0.00 min
Lab File: VL034685.D
Acq: 26 Feb 2020 8:55

Tgt Ion: 91 Resp: 3722294
Ion Ratio Lower Upper
91 100
92 55.0 43.8 65.6
134 22.3 17.6 26.4



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: 7.931 ppbv

RT: 15.49 min Scan# 3951

Delta R.T. -0.00 min

Lab File: VL034685.D

Acq: 26 Feb 2020 8:55

Instrument :

MSVOA_L

ClientSampleId :

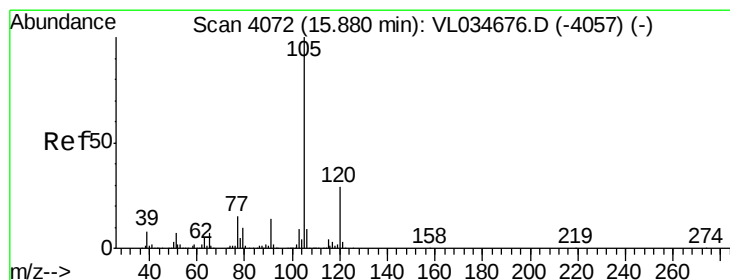
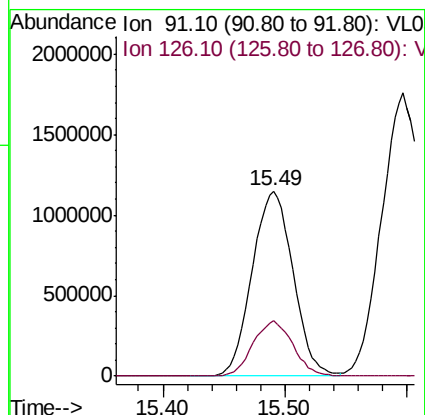
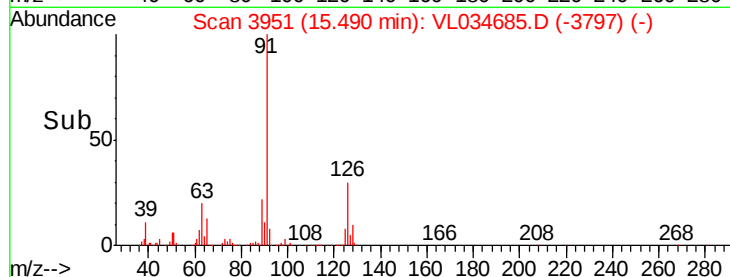
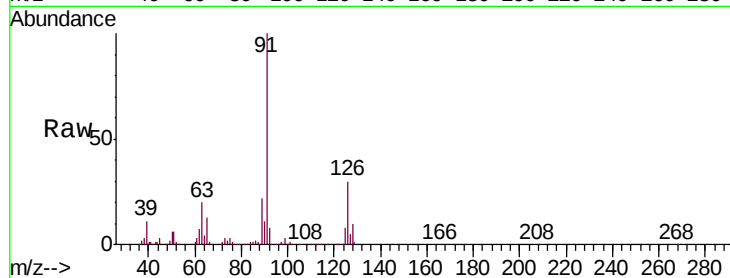
VL0226ABS01

Tgt Ion: 91 Resp: 2678871

Ion Ratio Lower Upper

91 100

126 29.3 11.8 47.2



#72

4-Ethyltoluene

Concen: 8.337 ppbv

RT: 15.88 min Scan# 4071

Delta R.T. -0.00 min

Lab File: VL034685.D

Acq: 26 Feb 2020 8:55

Tgt Ion: 105 Resp: 2774124

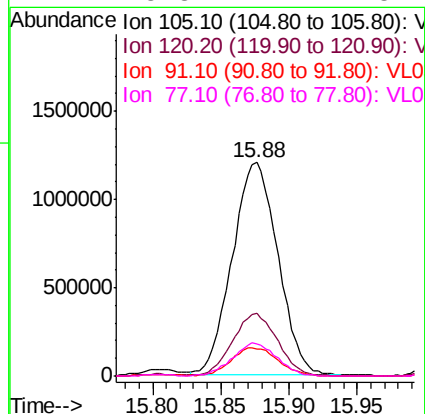
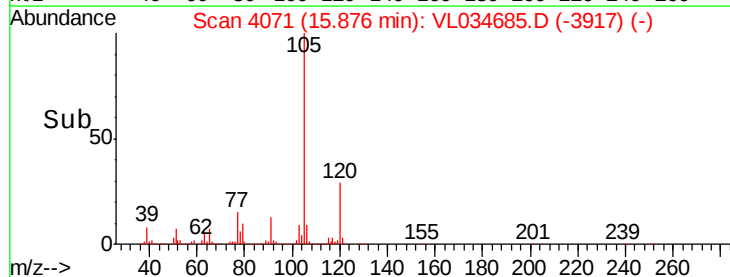
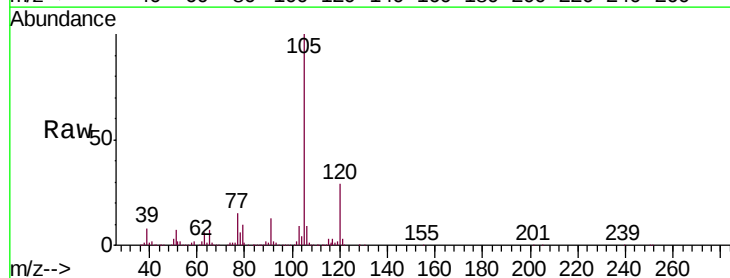
Ion Ratio Lower Upper

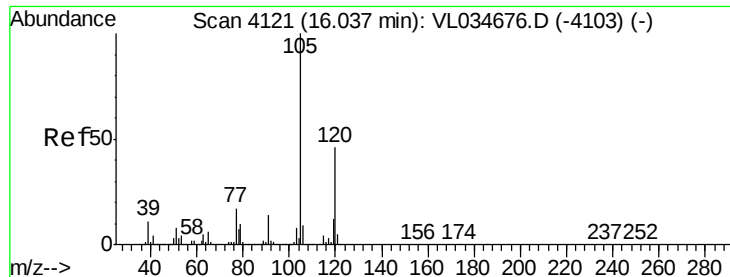
105 100

120 29.5 23.7 35.5

91 14.0 10.9 16.3

77 15.3 12.2 18.2





#73

1,3,5-Trimethylbenzene

Concen: 8.246 ppbv

RT: 16.03 min Scan# 4120

Delta R.T. -0.00 min

Lab File: VL034685.D

Acq: 26 Feb 2020 8:55

Instrument :

MSVOA_L

ClientSampleId :

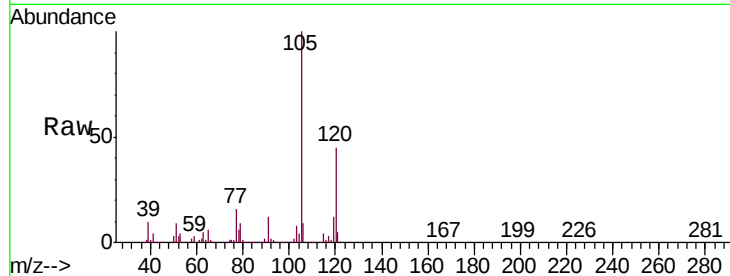
VL0226ABS01

Tgt Ion:105 Resp: 2639411

Ion Ratio Lower Upper

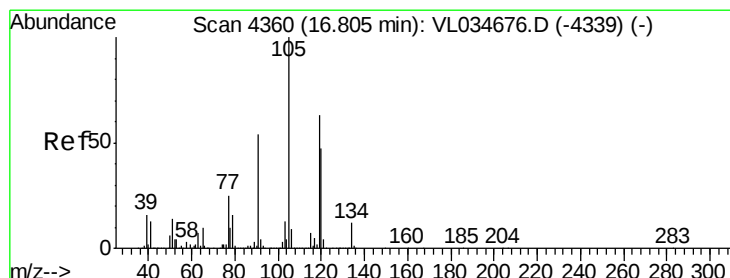
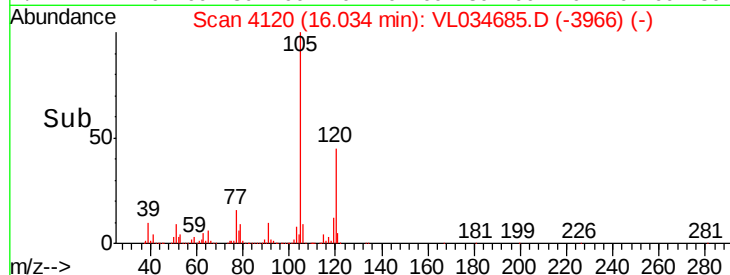
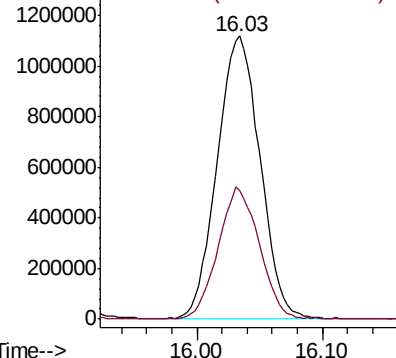
105 100

120 45.3 37.1 55.7



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: 7.728 ppbv

RT: 16.81 min Scan# 4360

Delta R.T. -0.00 min

Lab File: VL034685.D

Acq: 26 Feb 2020 8:55

Tgt Ion:105 Resp: 2731893

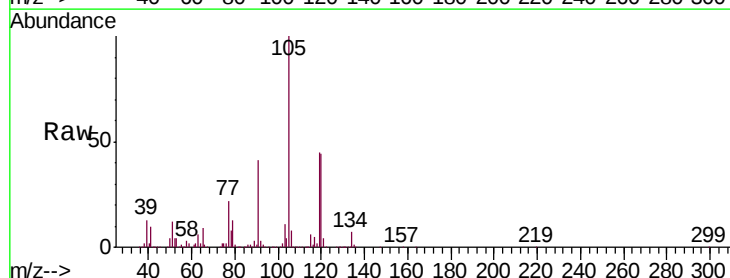
Ion Ratio Lower Upper

105 100

120 44.3 37.9 56.9

91 40.3 43.9 65.9#

77 21.5 20.3 30.5

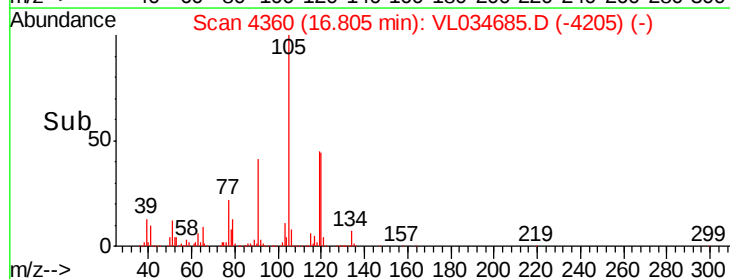
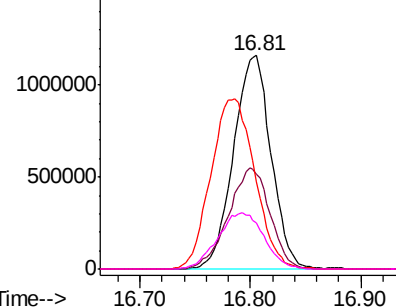


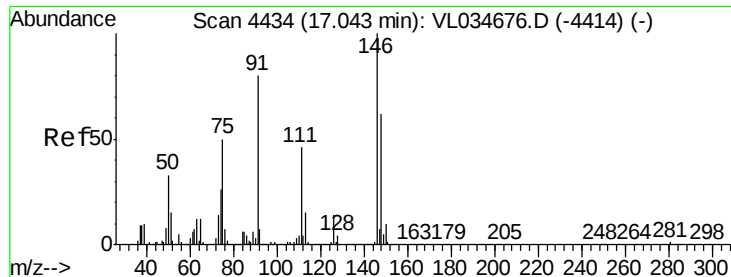
Abundance Ion 105.10 (104.80 to 105.80): V

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: 7.664 ppbv

RT: 17.04 min Scan# 4432

Delta R.T. -0.01 min

Lab File: VL034685.D

Acq: 26 Feb 2020 8:55

Instrument :

MSVOA_L

ClientSampleId :

VL0226ABS01

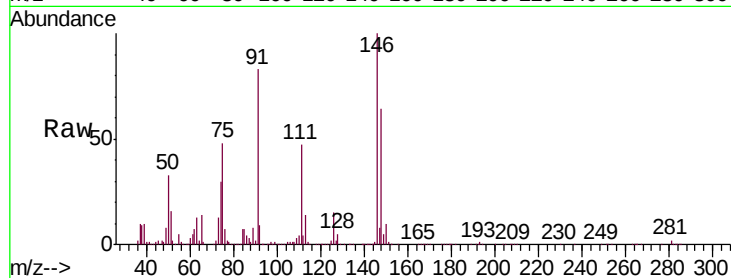
Tgt Ion:146 Resp: 1563808

Ion Ratio Lower Upper

146 100

111 48.6 24.4 73.2

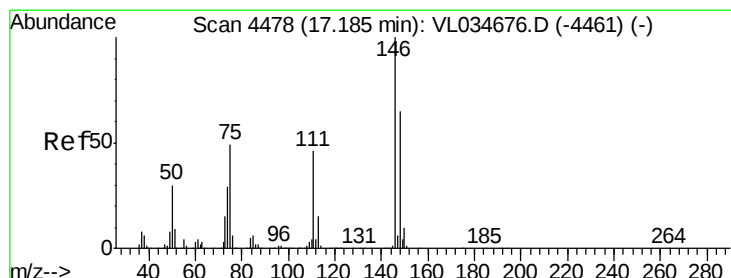
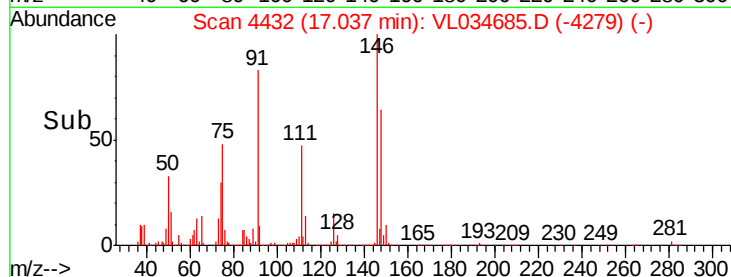
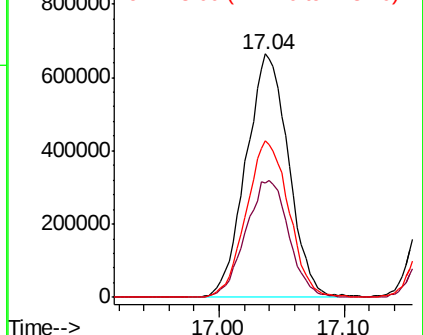
148 64.6 32.5 97.4



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: 7.768 ppbv

RT: 17.18 min Scan# 4477

Delta R.T. -0.00 min

Lab File: VL034685.D

Acq: 26 Feb 2020 8:55

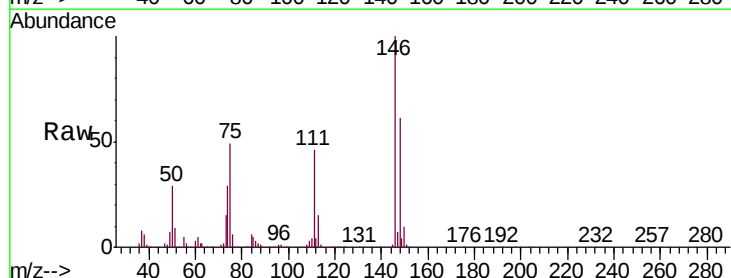
Tgt Ion:146 Resp: 1585848

Ion Ratio Lower Upper

146 100

111 47.1 23.4 70.0

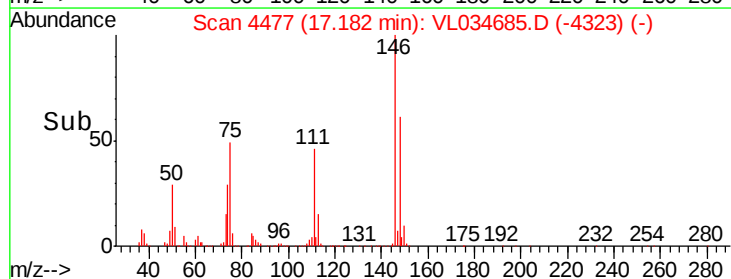
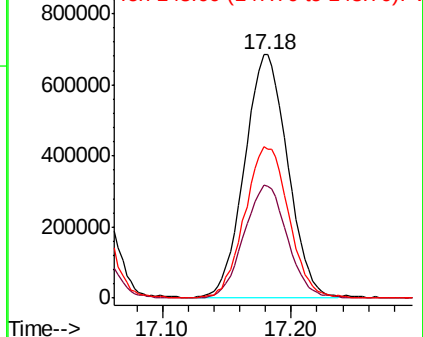
148 64.2 31.9 95.5

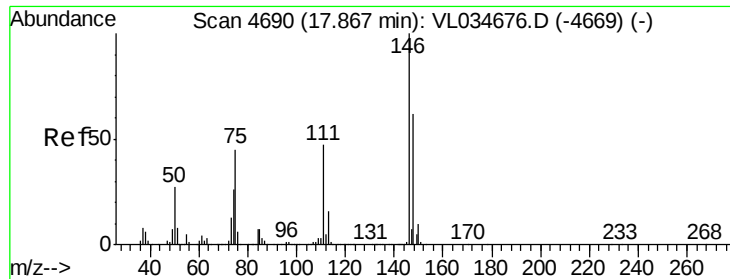


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 7.738 ppbv

RT: 17.86 min Scan# 4688

Delta R.T. -0.01 min

Lab File: VL034685.D

Acq: 26 Feb 2020 8:55

Instrument :

MSVOA_L

ClientSampleId :

VL0226ABS01

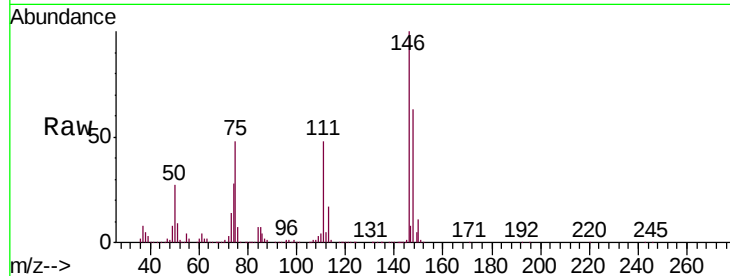
Tgt Ion:146 Resp: 1526566

Ion Ratio Lower Upper

146 100

111 49.1 24.9 74.7

148 64.4 32.0 96.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

17.86

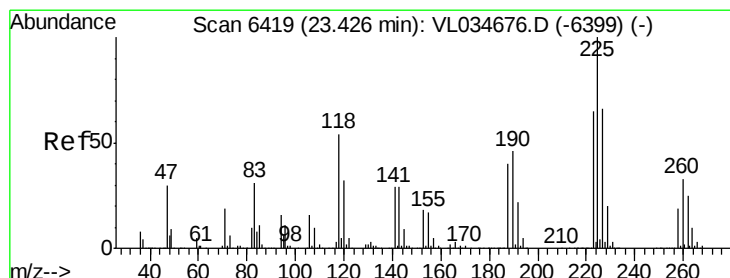
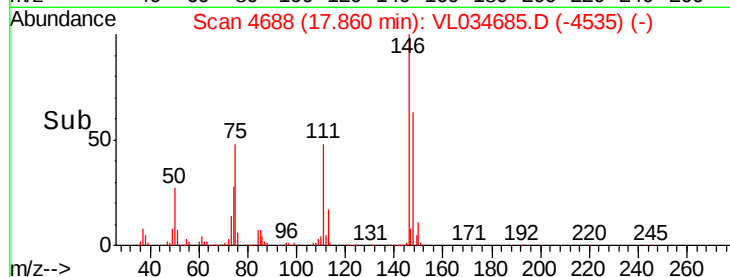
600000

400000

200000

0

Time-->



#78

Hexachloro-1,3-Butadiene

Concen: 7.226 ppbv

RT: 23.43 min Scan# 6419

Delta R.T. -0.00 min

Lab File: VL034685.D

Acq: 26 Feb 2020 8:55

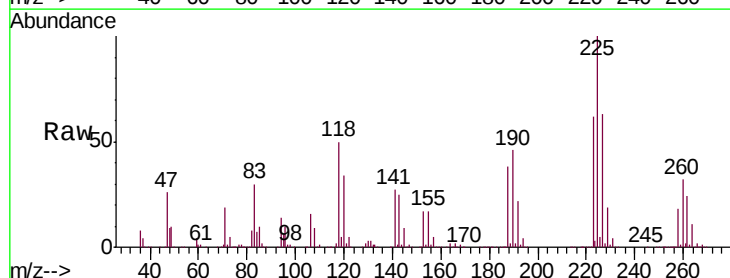
Tgt Ion:225 Resp: 1241154

Ion Ratio Lower Upper

225 100

223 64.0 51.3 76.9

227 64.4 51.3 76.9



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

23.43

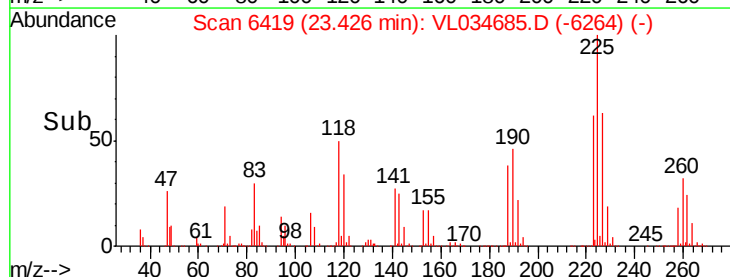
600000

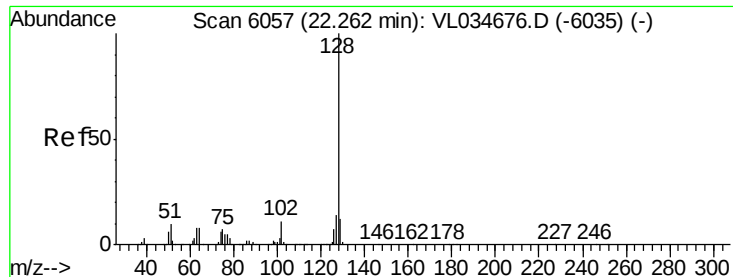
400000

200000

0

Time-->

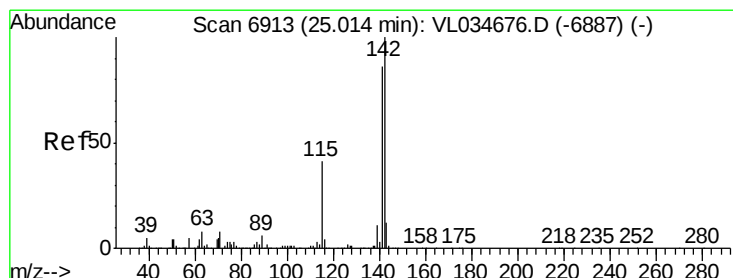
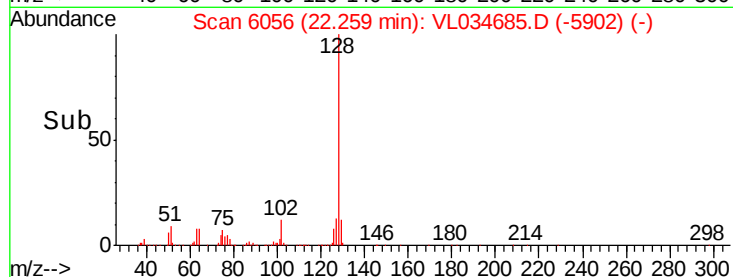
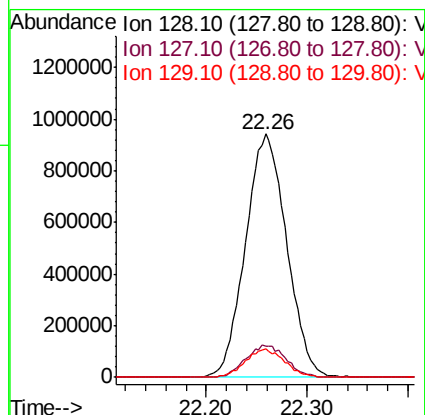
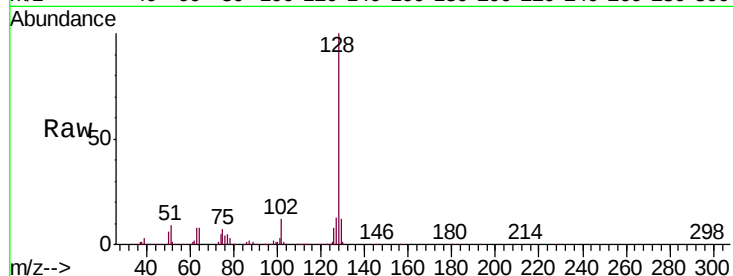




#79
Naphthalene
Concen: 8.557 ppbv
RT: 22.26 min Scan# 6056
Delta R.T. -0.00 min
Lab File: VL034685.D
Acq: 26 Feb 2020 8:55

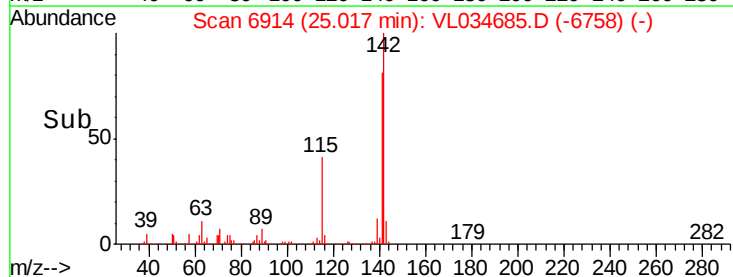
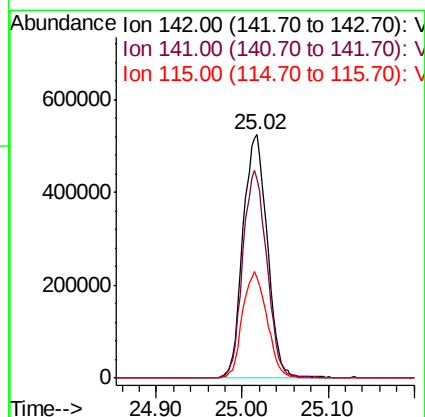
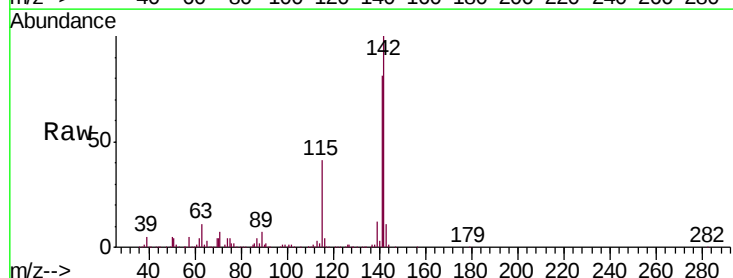
Instrument :
MSVOA_L
ClientSampleId :
VL0226ABS01

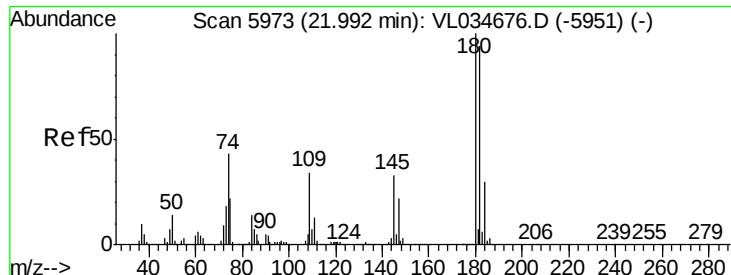
Tgt Ion:128 Resp: 2662244
Ion Ratio Lower Upper
128 100
127 12.6 11.0 16.6
129 11.7 9.4 14.2



#80
Naphthalene, 2-methyl-
Concen: 10.763 ppbv
RT: 25.02 min Scan# 6914
Delta R.T. 0.00 min
Lab File: VL034685.D
Acq: 26 Feb 2020 8:55

Tgt Ion:142 Resp: 1032784
Ion Ratio Lower Upper
142 100
141 84.3 66.5 99.7
115 44.0 30.6 46.0

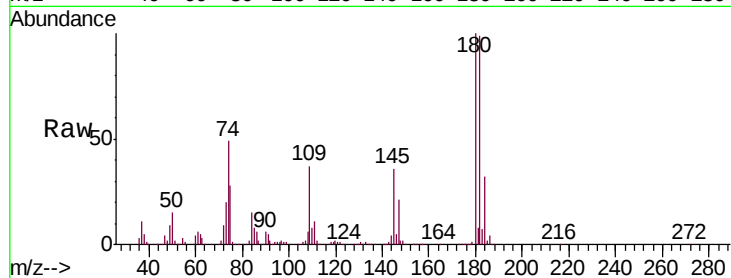




#81
 1,2,4-Trichlorobenzene
 Concen: 7.582 ppbv
 RT: 21.99 min Scan# 5971
 Delta R.T. -0.01 min
 Lab File: VL034685.D
 Acq: 26 Feb 2020 8:55

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0226ABS01

Tgt Ion:180 Resp: 1407820
 Ion Ratio Lower Upper
 180 100
 182 97.3 76.5 114.7
 184 30.8 25.2 37.8



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

