

Data File : VL034676.D
Acq On : 26 Feb 2020 2:27
Operator : SY/AP
Sample : VSTDICCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Quant Time: Feb 26 03:40:26 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022620AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 26 03:37:46 2020
QLast Update : Wed Feb 26 03:37:46 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1135640	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2399506	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	3017523	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.46	95	2023160	8.17	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	81.70%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.01	85	1382375	7.874	ppbv	100
3) Chlorodifluoromethane	2.95	51	1132757	8.244	ppbv	100
4) Chloromethane	3.11	50	654606	7.908	ppbv	100
5) Vinyl Chloride	3.22	62	636779	8.271	ppbv	100
6) Bromomethane	3.44	94	376149	9.359	ppbv	100
7) Chloroethane	3.53	64	240730	8.505	ppbv	100
8) Dichlorotetrafluoroethane	3.15	85	1424796	8.079	ppbv	100
9) Propene	2.97	41	495891	8.912	ppbv	100
10) Heptane	8.14	43	1326463	9.073	ppbv	100
11) Trichlorofluoromethane	3.92	101	1435366	8.057	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1001871	8.157	ppbv	100
13) Ethanol	3.58	45	147721	8.625	ppbv	99
14) Bromoethene	3.71	108	441963	8.723	ppbv	100
15) Acetone	3.83	43	1119680	7.263	ppbv	100
16) 1,3-Butadiene	3.29	39	581217	8.865	ppbv	100
17) tert-Butyl alcohol	4.27	59	1109460	9.465	ppbv	100
18) 1,1-Dichloroethene	4.27	96	463220	8.261	ppbv	100
19) Isopropyl Alcohol	3.94	45	852300	8.042	ppbv #	99
20) Methylene Chloride	4.32	84	406539	7.203	ppbv	100
21) Allyl Chloride	4.39	41	837958	8.925	ppbv	100
22) trans-1,2-Dichloroethene	4.87	96	468318	8.514	ppbv	100
23) Vinyl Acetate	5.06	43	1826889	9.571	ppbv	100
24) 1,1-Dichloroethane	5.00	63	1308413	8.226	ppbv	100
25) Ethyl Acetate	5.67	43	2203984	8.294	ppbv	100
26) Hexane	5.68	57	1004983	8.516	ppbv	100
27) Carbon Disulfide	4.53	76	1230388	9.177	ppbv	100
28) Methyl tert-Butyl Ether	5.02	73	1506955	8.843	ppbv	100
29) Chloroform	5.75	83	1560038	8.308	ppbv	100
30) Cyclohexane	7.14	84	823562	9.119	ppbv	100
31) cis-1,2-Dichloroethene	5.55	61	1052465	9.199	ppbv	100
32) 1,1,1-Trichloroethane	6.52	97	1480732	8.610	ppbv	100
34) 2-Butanone	5.23	43	1469081	8.634	ppbv	100
35) Carbon Tetrachloride	7.03	117	1550341	8.483	ppbv	100
36) Benzene	6.90	78	2002933	8.859	ppbv	100
37) 1,2-Dichloroethane	6.31	62	1241628	8.392	ppbv	100
38) Trichloroethene	7.85	130	746561	8.699	ppbv	100
39) 1,2-Dichloropropane	7.63	63	808777	8.693	ppbv	100
40) 1,4-Dioxane	7.85	88	299105	8.606	ppbv	100
41) Tetrahydrofuran	6.05	42	829923	9.320	ppbv	100
42) Bromodichloromethane	7.81	83	1682160	8.764	ppbv	100
43) Methyl Methacrylate	8.02	69	924586	10.432	ppbv	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	3489125	8.584	ppbv	100
45) t-1,3-Dichloropropene	9.30	75	1100938	10.612	ppbv	100
46) cis-1,3-Dichloropropene	8.72	75	1267925	10.449	ppbv	100
47) 1,1,2-Trichloroethane	9.50	97	819343	8.334	ppbv	100
48) Dibromochloromethane	10.33	129	1360473	9.013	ppbv	100
49) Bromoform	13.08	173	1189869	9.015	ppbv	100
50) 4-Methyl-2-Pentanone	8.76	43	2182373	9.031	ppbv	100
51) 2-Hexanone	10.16	43	1804229	9.465	ppbv	100
52) Tetrachloroethene	11.25	164	683634	8.570	ppbv	100
53) Toluene	9.83	91	2285814	9.401	ppbv	100
54) 1,2-Dibromoethane	10.64	107	1251029	9.135	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.16	131	980341	7.430	ppbv	100
57) Chlorobenzene	12.18	112	1690854	6.781	ppbv	100
58) Ethyl Benzene	12.74	91	3029783	7.547	ppbv	100
59) m/p-Xylene	13.03	91	2498102	7.093	ppbv #	29
60) o-Xylene	13.73	91	2476109	7.038	ppbv	100
61) Styrene	13.57	104	1806565	7.515	ppbv	100
62) Isopropylbenzene	14.70	105	3604792	7.734	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.72	83	1764550	6.316	ppbv	100
64) n-propylbenzene	15.60	120	957100	8.091	ppbv	100
65) tert-Butylbenzene	16.79	119	3116750	7.670	ppbv	100
66) Benzyl Chloride	17.04	91	1433636	9.140	ppbv	100
67) sec-Butylbenzene	17.34	105	4436365	7.644	ppbv	100
69) p-Isopropyltoluene	17.70	119	3679038	7.976	ppbv	100
70) n-Butylbenzene	18.59	91	3979230	8.060	ppbv	100
71) 2-Chlorotoluene	15.49	91	2850406	7.977	ppbv	100
72) 4-Ethyltoluene	15.88	105	2893467	7.452	ppbv	100
73) 1,3,5-Trimethylbenzene	16.04	105	2729948	7.413	ppbv	100
74) 1,2,4-Trimethylbenzene	16.81	105	2795101	7.044	ppbv	100
75) 1,3-Dichlorobenzene	17.04	146	1607343	6.900	ppbv	100
76) 1,4-Dichlorobenzene	17.18	146	1639722	7.132	ppbv	100
77) 1,2-Dichlorobenzene	17.87	146	1571245	7.002	ppbv	100
78) Hexachloro-1,3-Butadiene	23.43	225	1289723	7.020	ppbv	100
79) Naphthalene	22.26	128	2695722	8.929	ppbv	100
80) Naphthalene,2-methyl-	25.01	142	732136	11.505	ppbv	100
81) 1,2,4-Trichlorobenzene	21.99	180	1524881	8.271	ppbv	100

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

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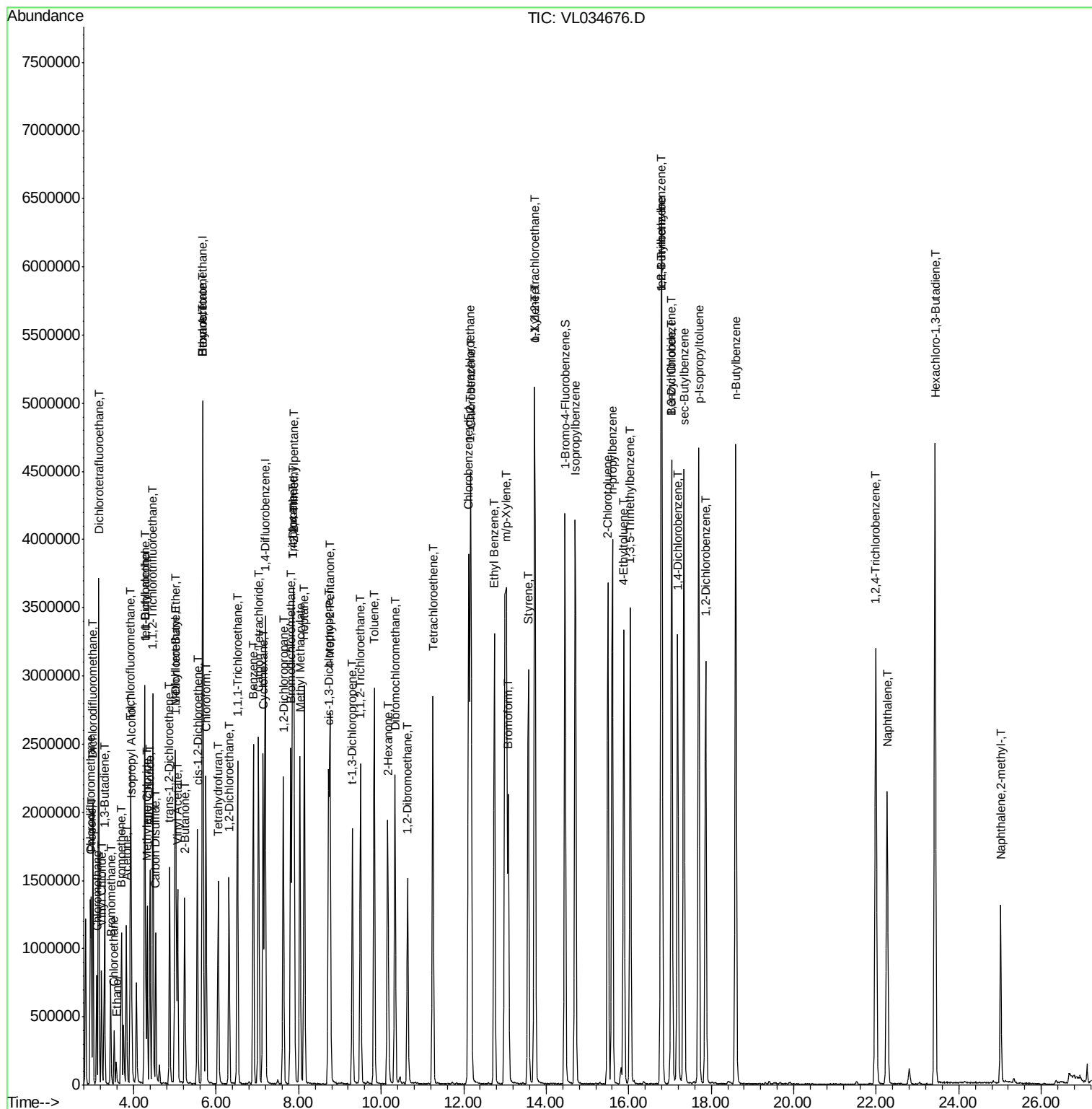
Quant Time: Feb 26 03:40:26 2020

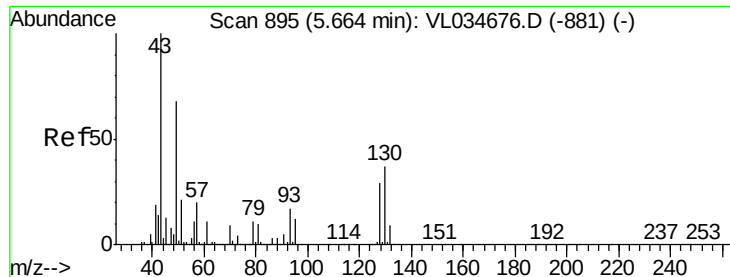
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_L\METHODS\VL022620AIR.M

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. 0.00 min

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VSTDICCC010

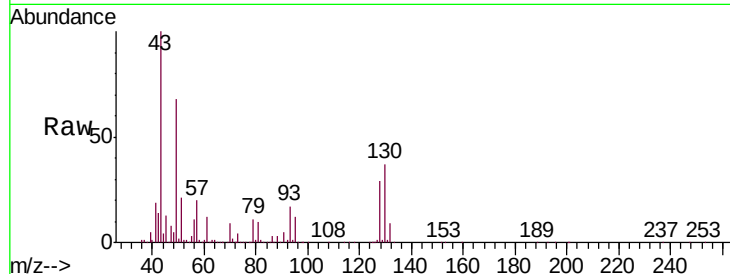
Tgt Ion: 49 Resp: 1135640

Ion Ratio Lower Upper

49 100

128 43.3 21.6 65.0

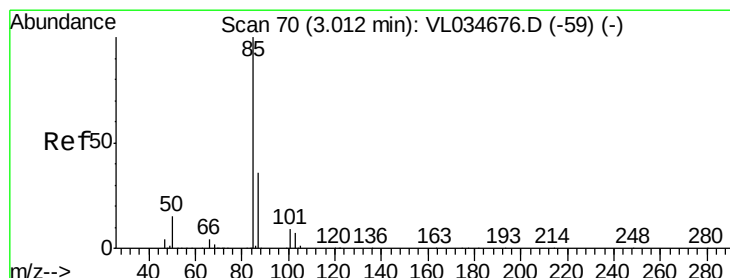
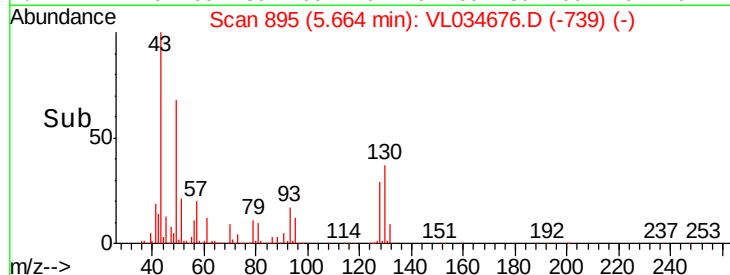
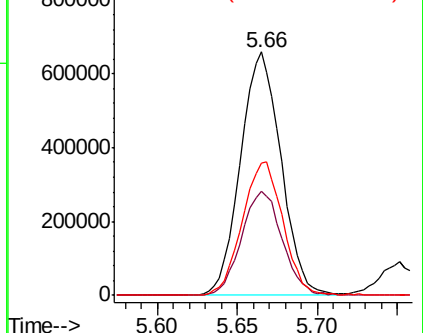
130 55.4 27.7 83.1



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: 7.874 ppbv

RT: 3.01 min Scan# 70

Delta R.T. 0.00 min

Lab File: VL034676.D

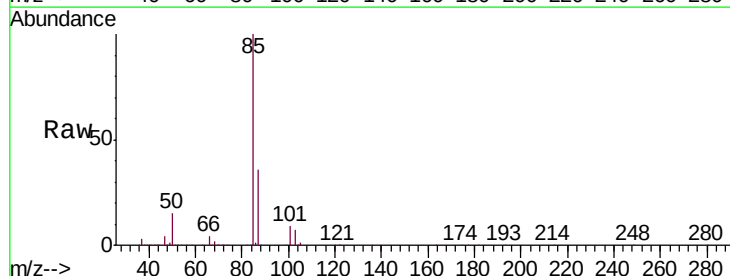
Acq: 26 Feb 2020 2:27

Tgt Ion: 85 Resp: 1382375

Ion Ratio Lower Upper

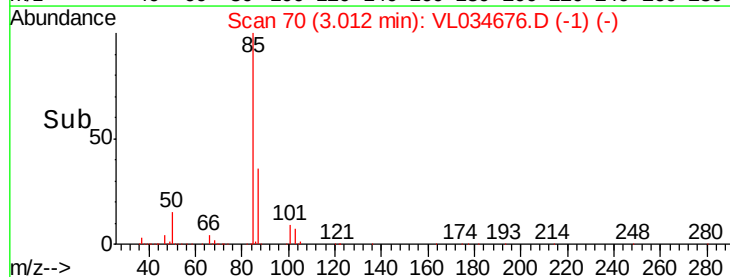
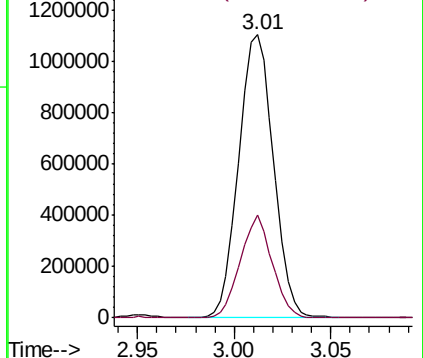
85 100

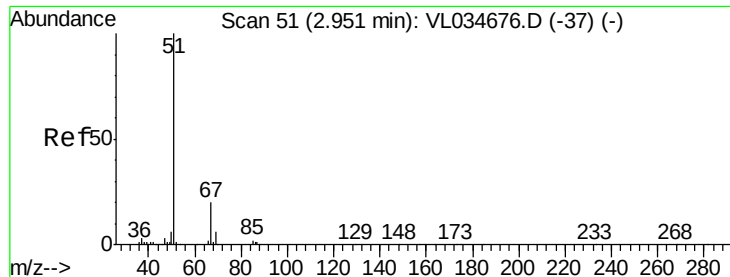
87 36.5 29.2 43.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

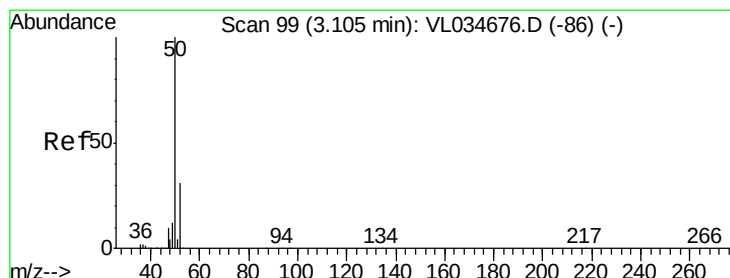
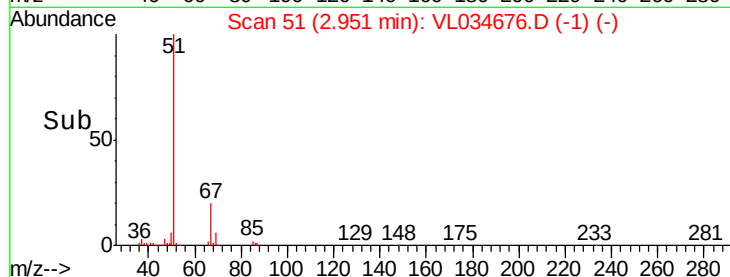
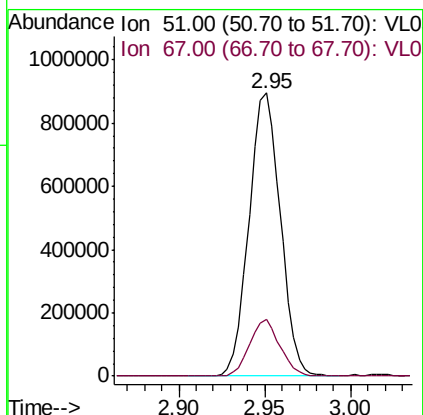
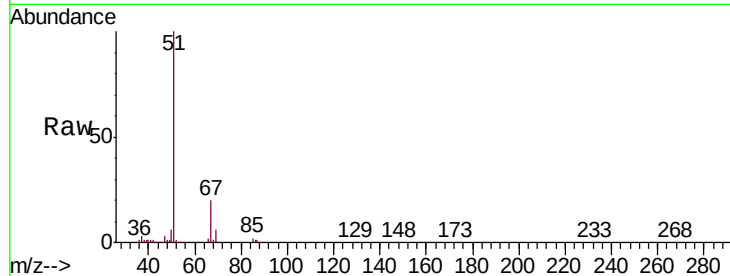




#3
 Chlorodifluoromethane
 Concen: 8.244 ppbv
 RT: 2.95 min Scan# 51
 Delta R.T. 0.00 min
 Lab File: VL034676.D
 Acq: 26 Feb 2020 2:27

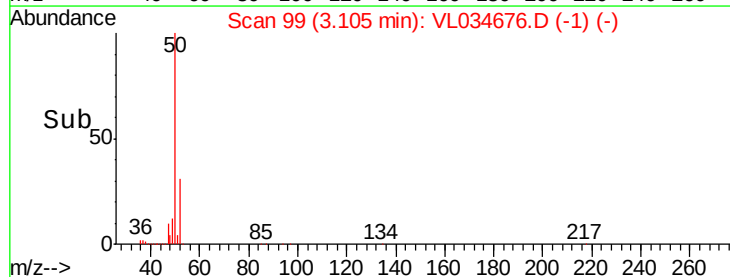
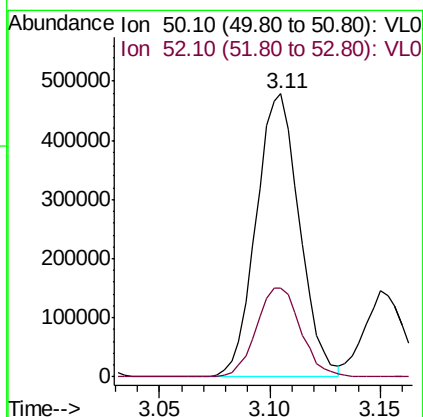
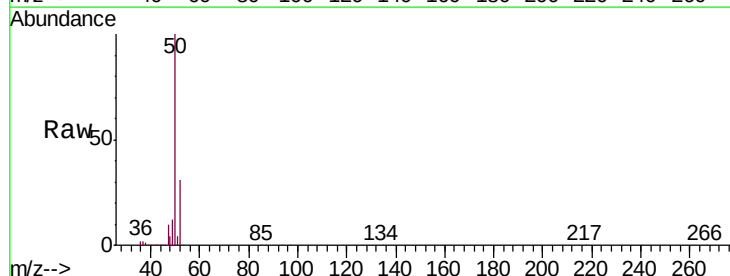
Instrument :
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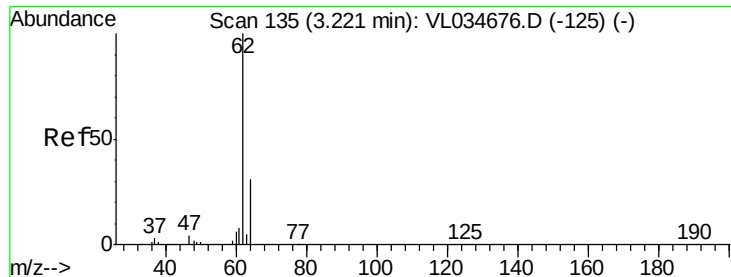
Tgt Ion: 51 Resp: 1132757
 Ion Ratio Lower Upper
 51 100
 67 19.4 15.5 23.3



#4
 Chloromethane
 Concen: 7.908 ppbv
 RT: 3.11 min Scan# 99
 Delta R.T. 0.00 min
 Lab File: VL034676.D
 Acq: 26 Feb 2020 2:27

Tgt Ion: 50 Resp: 654606
 Ion Ratio Lower Upper
 50 100
 52 31.2 25.0 37.4





#5

Vinyl Chloride

Concen: 8.271 ppbv

RT: 3.22 min Scan# 135

Delta R.T. 0.00 min

Lab File: VL034676.D

Acq: 26 Feb 2020 2:27

Instrument :

MSVOA_L

ClientSampleId :

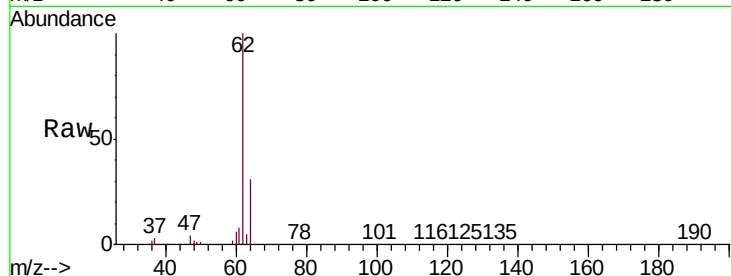
VSTDICCC010

Tgt Ion: 62 Resp: 636779

Ion Ratio Lower Upper

62 100

64 30.9 24.7 37.1



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.22

500000

400000

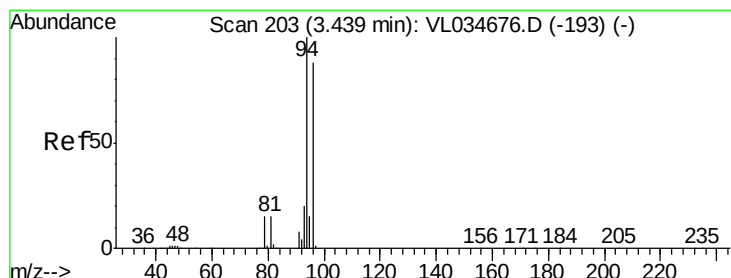
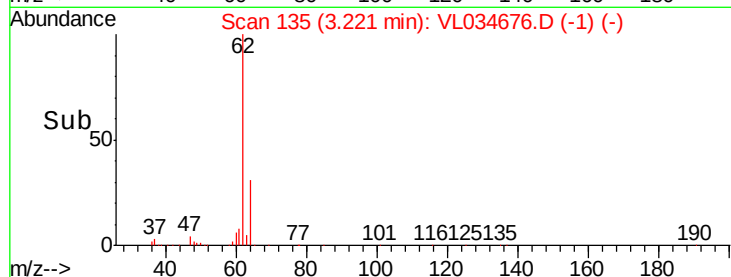
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 9.359 ppbv

RT: 3.44 min Scan# 203

Delta R.T. 0.00 min

Lab File: VL034676.D

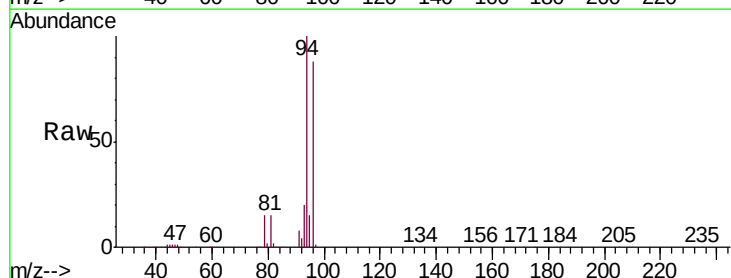
Acq: 26 Feb 2020 2:27

Tgt Ion: 94 Resp: 376149

Ion Ratio Lower Upper

94 100

96 88.1 70.5 105.7



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.44

300000

250000

200000

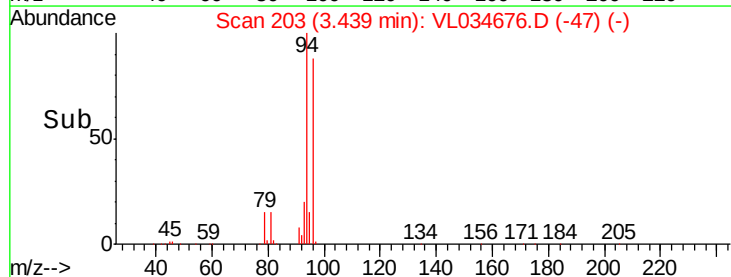
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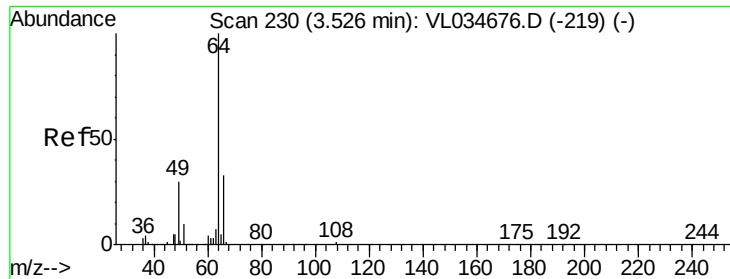
100000

50000

0

Time-->





#7

Chloroethane

Concen: 8.505 ppbv

RT: 3.53 min Scan# 230

Delta R.T. 0.00 min

Lab File: VL034676.D

Acq: 26 Feb 2020 2:27

Instrument :

MSVOA_L

ClientSampleId :

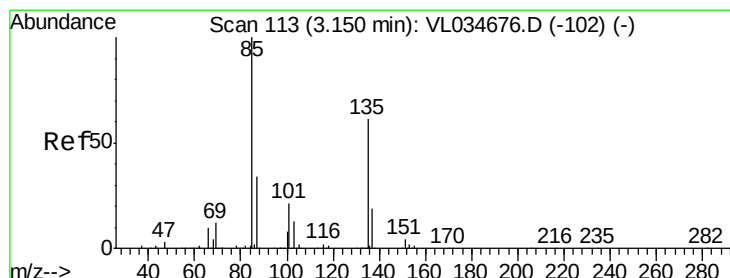
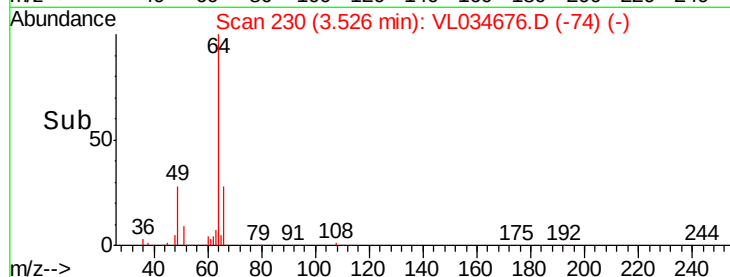
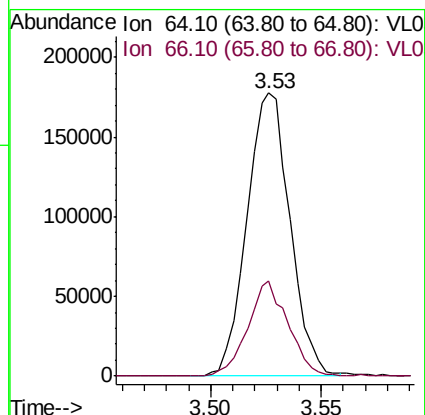
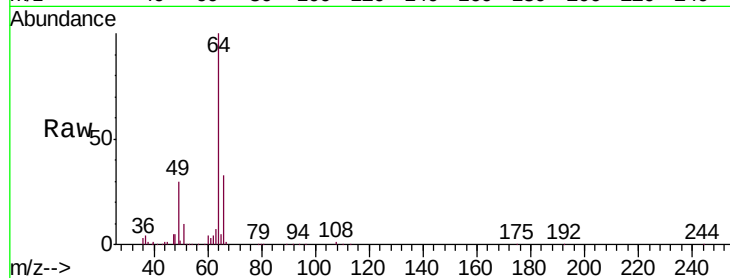
VSTDICCC010

Tgt Ion: 64 Resp: 240730

Ion Ratio Lower Upper

64 100

66 33.4 26.7 40.1



#8

Dichlorotetrafluoroethane

Concen: 8.079 ppbv

RT: 3.15 min Scan# 113

Delta R.T. 0.00 min

Lab File: VL034676.D

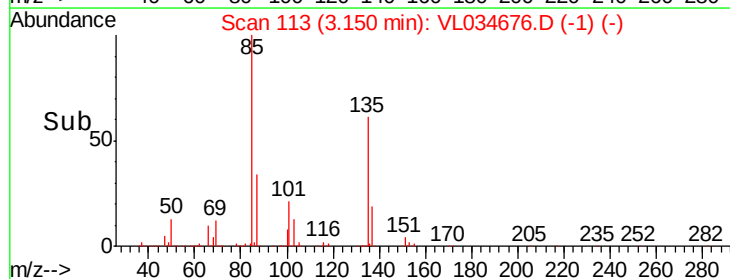
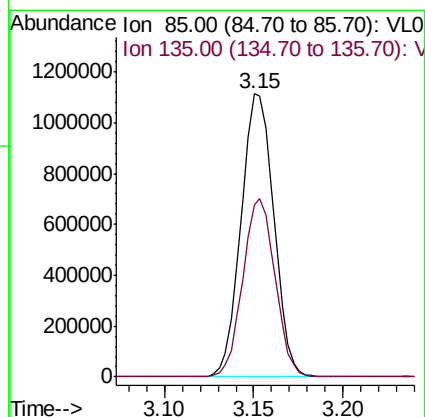
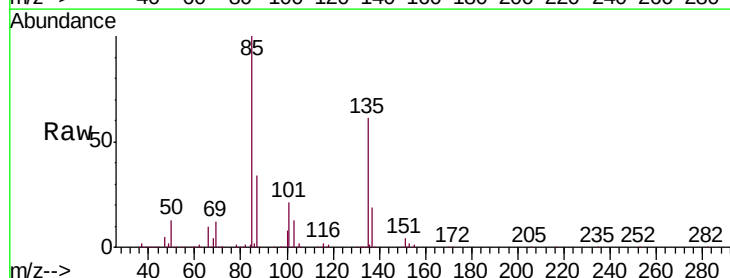
Acq: 26 Feb 2020 2:27

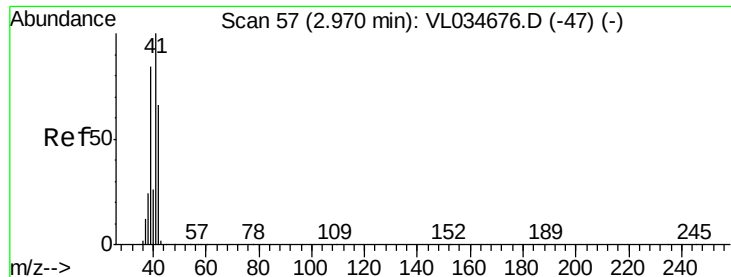
Tgt Ion: 85 Resp: 1424796

Ion Ratio Lower Upper

85 100

135 62.2 49.8 74.6





#9

Propene

Concen: 8.912 ppbv

RT: 2.97 min Scan# 57

Delta R.T. 0.00 min

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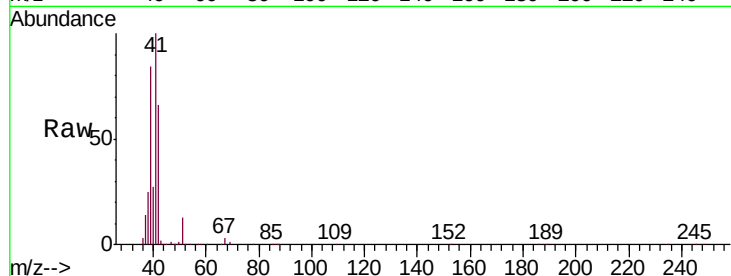
VSTDICCC010

Tgt Ion: 41 Resp: 495891

Ion Ratio Lower Upper

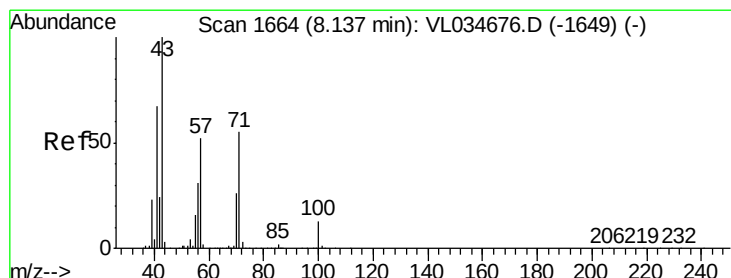
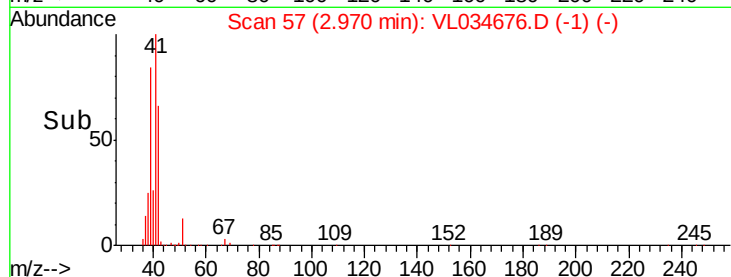
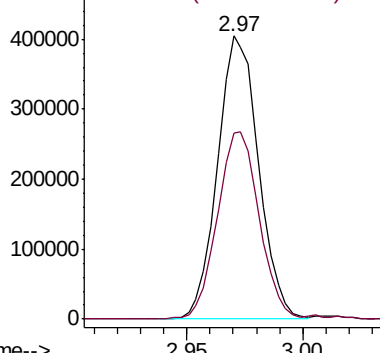
41 100

42 68.6 54.9 82.3



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 9.073 ppbv

RT: 8.14 min Scan# 1664

Delta R.T. 0.00 min

Lab File: VL034676.D

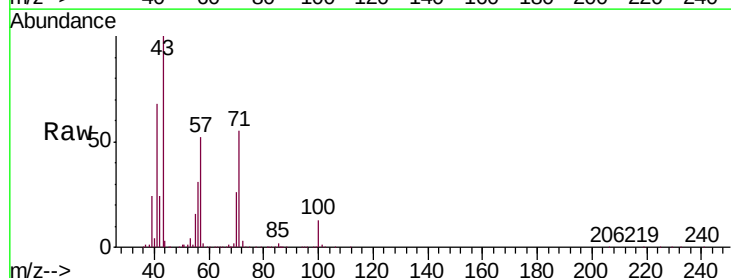
Acq: 26 Feb 2020 2:27

Tgt Ion: 43 Resp: 1326463

Ion Ratio Lower Upper

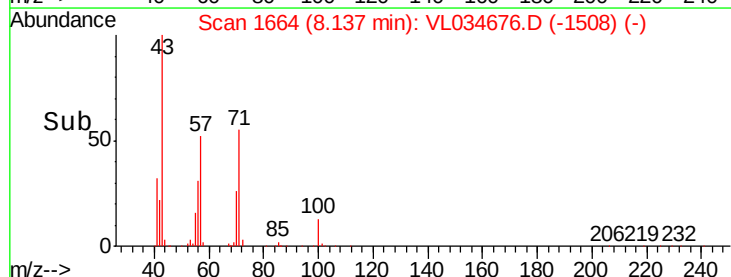
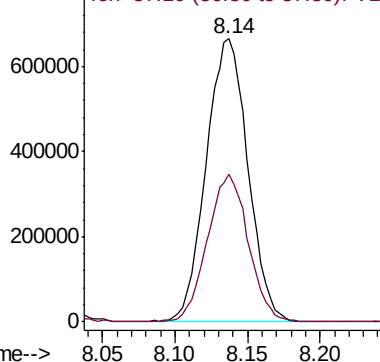
43 100

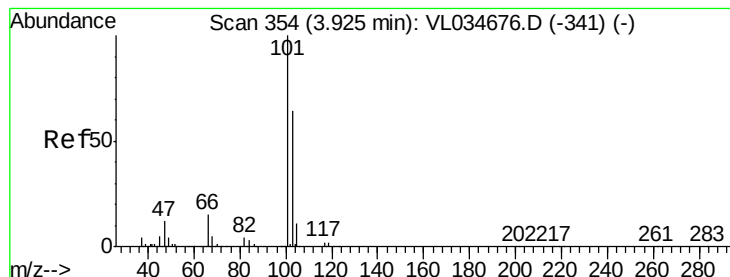
57 51.4 41.0 61.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#11

Trichlorofluoromethane

Concen: 8.057 ppbv

RT: 3.92 min Scan# 354

Delta R.T. 0.00 min

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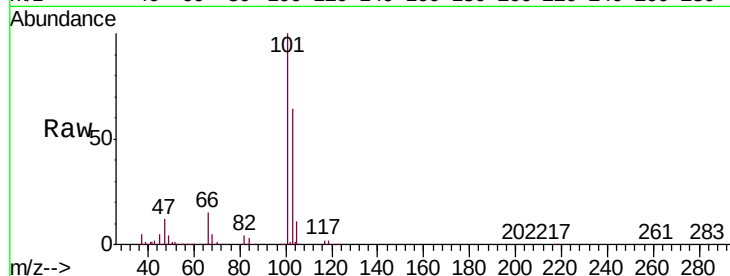
VSTDICCC010

Tgt Ion:101 Resp: 1435366

Ion Ratio Lower Upper

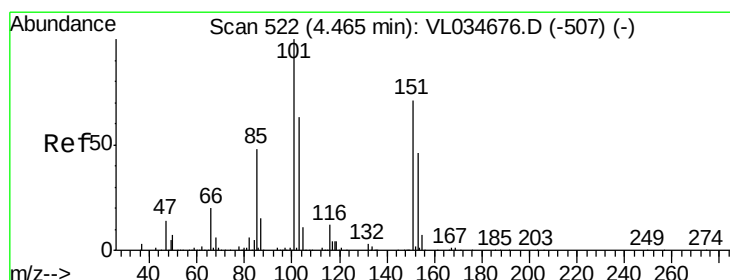
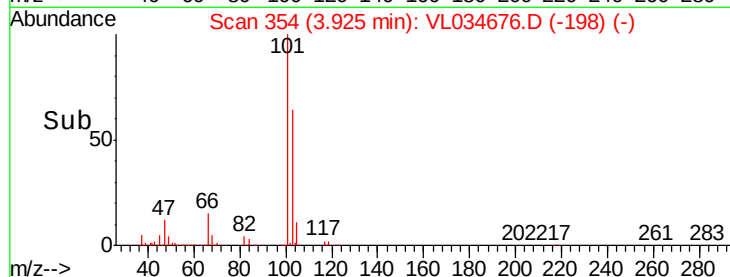
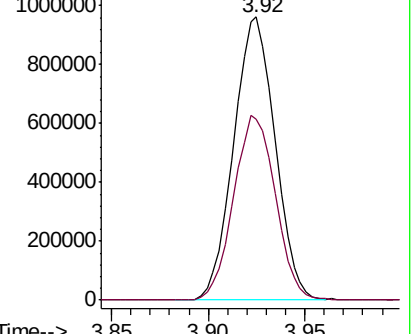
101 100

103 64.0 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: 8.157 ppbv

RT: 4.47 min Scan# 522

Delta R.T. 0.00 min

Lab File: VL034676.D

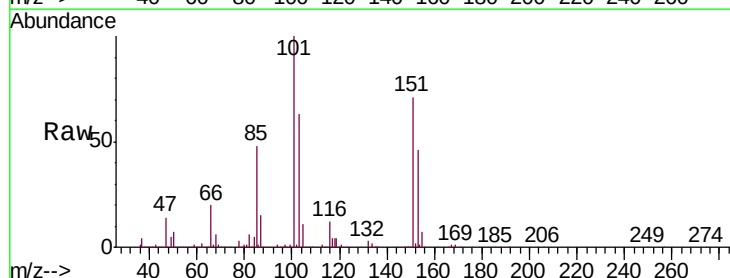
Acq: 26 Feb 2020 2:27

Tgt Ion:101 Resp: 1001871

Ion Ratio Lower Upper

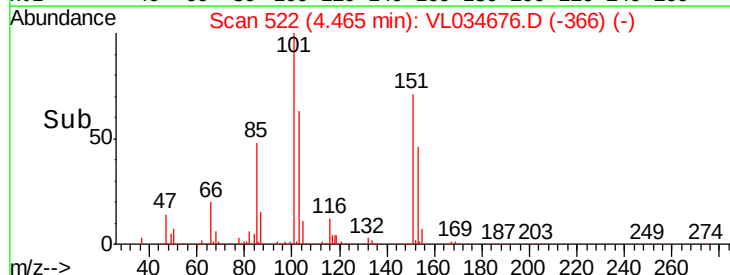
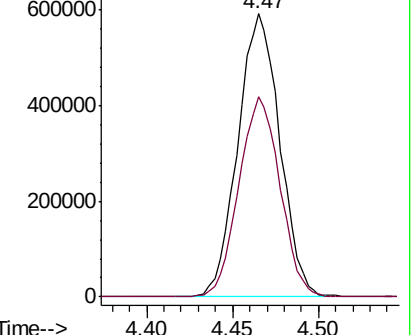
101 100

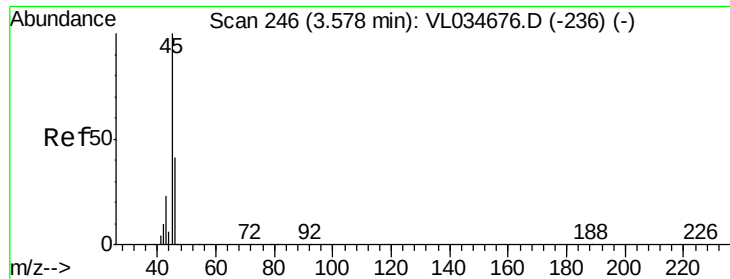
151 69.7 55.8 83.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 8.625 ppbv

RT: 3.58 min Scan# 246

Delta R.T. 0.00 min

Lab File: VL034676.D

Acq: 26 Feb 2020 2:27

Instrument :

MSVOA_L

ClientSampleId :

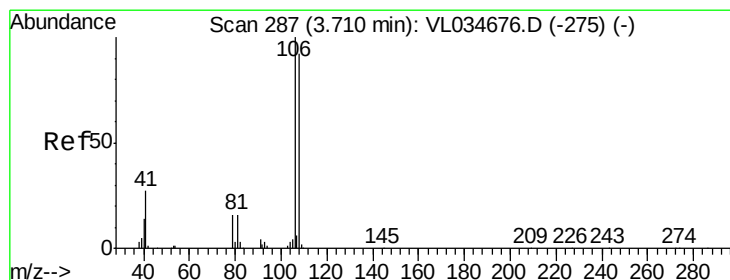
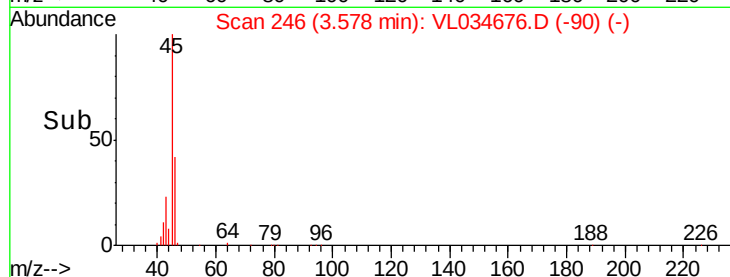
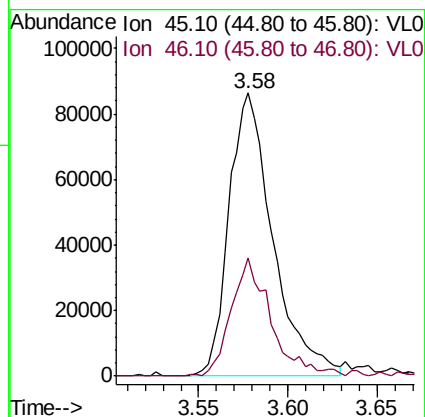
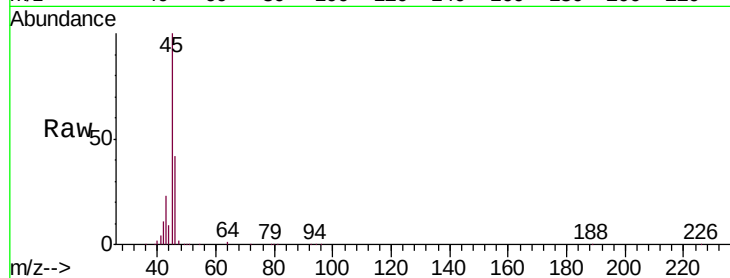
VSTDICCC010

Tgt Ion: 45 Resp: 147721

Ion Ratio Lower Upper

45 100

46 38.7 15.4 61.4



#14

Bromoethene

Concen: 8.723 ppbv

RT: 3.71 min Scan# 287

Delta R.T. 0.00 min

Lab File: VL034676.D

Acq: 26 Feb 2020 2:27

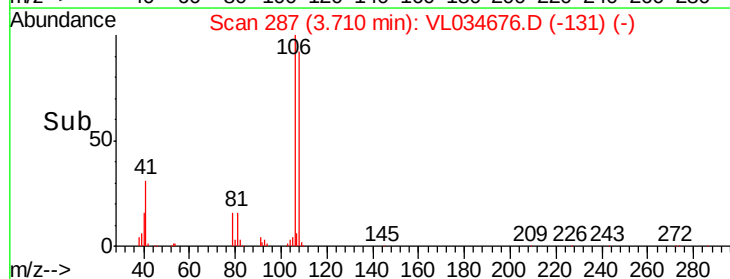
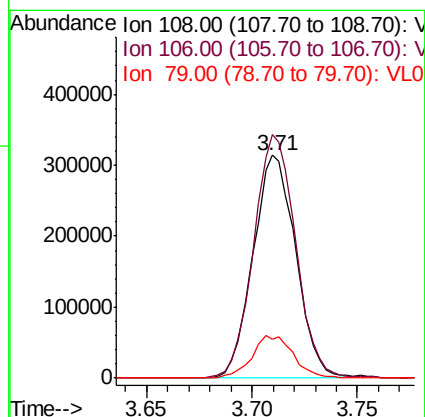
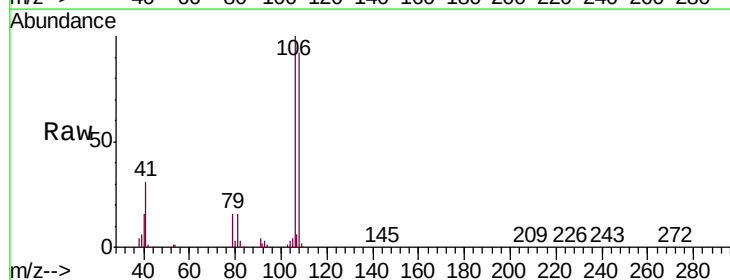
Tgt Ion: 108 Resp: 441963

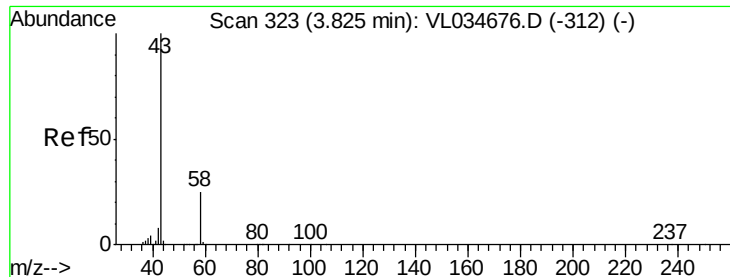
Ion Ratio Lower Upper

108 100

106 108.2 86.7 130.1

79 18.9 15.0 22.6





#15

Acetone

Concen: 7.263 ppbv

RT: 3.83 min Scan# 323

Delta R.T. 0.00 min

Lab File: VL034676.D

Acq: 26 Feb 2020 2:27

Instrument :

MSVOA_L

ClientSampleId :

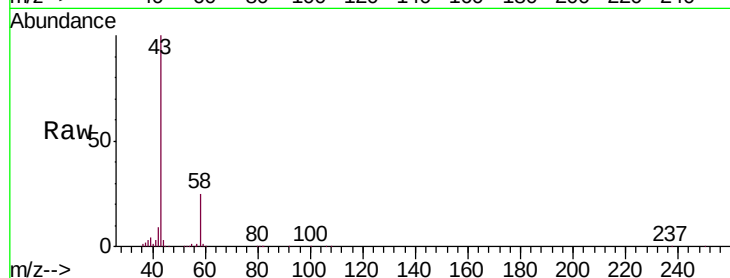
VSTDICCC010

Tgt Ion: 43 Resp: 1119680

Ion Ratio Lower Upper

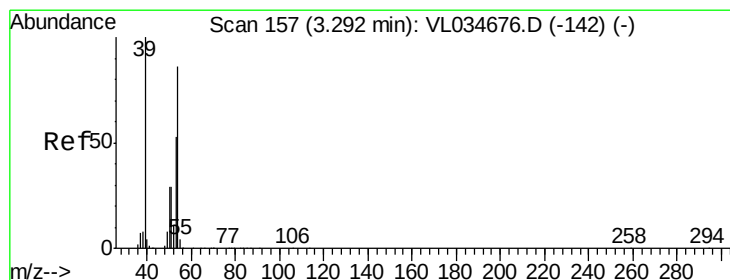
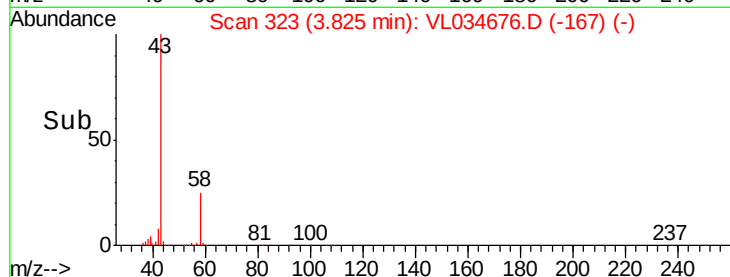
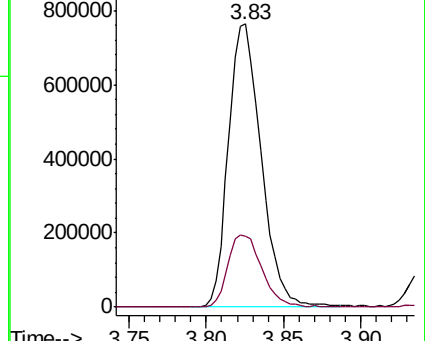
43 100

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



#16

1,3-Butadiene

Concen: 8.865 ppbv

RT: 3.29 min Scan# 157

Delta R.T. 0.00 min

Lab File: VL034676.D

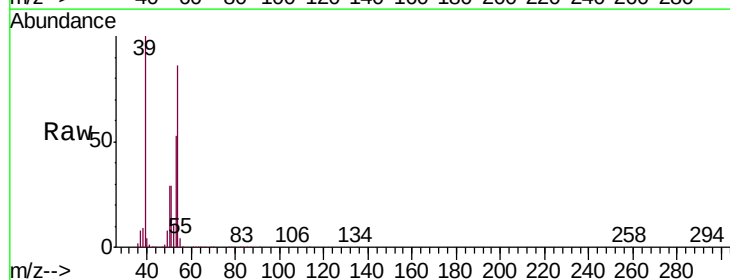
Acq: 26 Feb 2020 2:27

Tgt Ion: 39 Resp: 581217

Ion Ratio Lower Upper

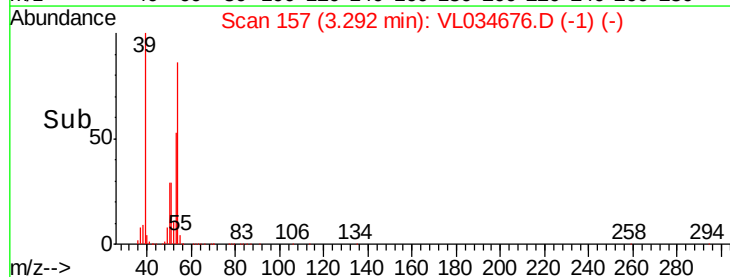
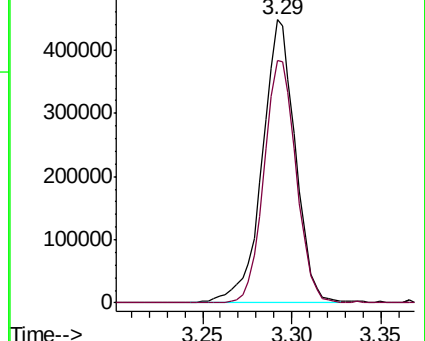
39 100

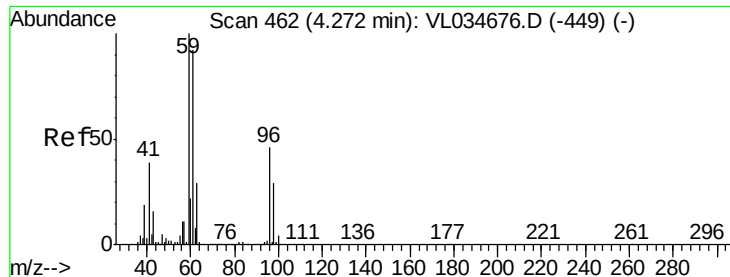
54 83.8 67.0 100.6



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

tert-Butyl alcohol

Concen: 9.465 ppbv

RT: 4.27 min Scan# 462

Delta R.T. 0.00 min

Lab File: VL034676.D

Acq: 26 Feb 2020 2:27

Instrument :

MSVOA_L

ClientSampleId :

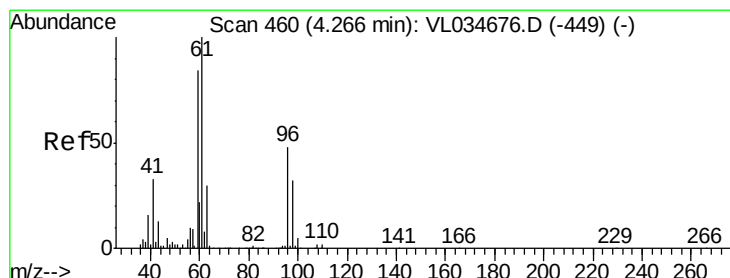
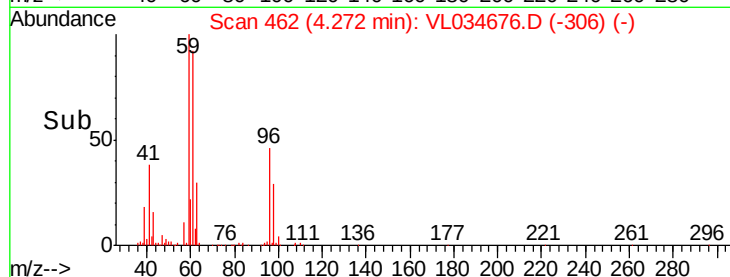
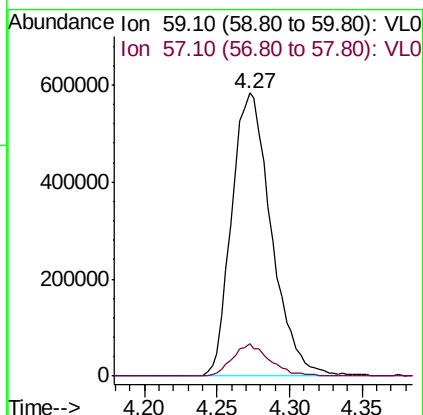
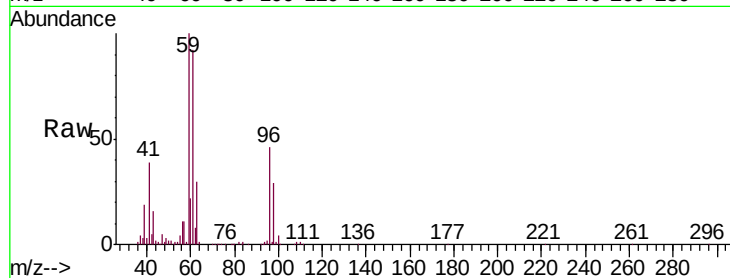
VSTDICCC010

Tgt Ion: 59 Resp: 1109460

Ion Ratio Lower Upper

59 100

57 11.0 8.8 13.2



#18

1,1-Dichloroethene

Concen: 8.261 ppbv

RT: 4.27 min Scan# 460

Delta R.T. 0.00 min

Lab File: VL034676.D

Acq: 26 Feb 2020 2:27

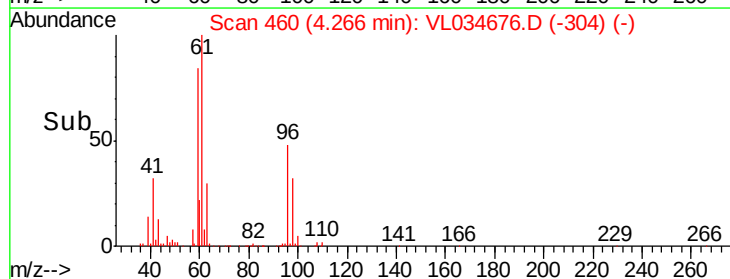
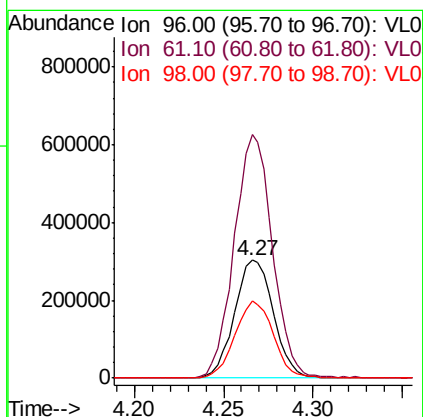
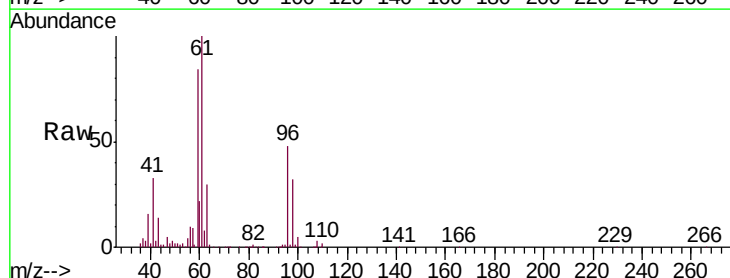
Tgt Ion: 96 Resp: 463220

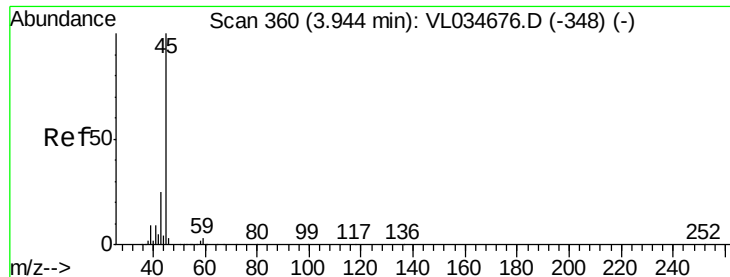
Ion Ratio Lower Upper

96 100

61 206.4 165.1 247.7

98 65.9 52.7 79.1





#19

Isopropyl Alcohol

Concen: 8.042 ppbv

RT: 3.94 min Scan# 360

Delta R.T. 0.00 min

Lab File: VL034676.D

Acq: 26 Feb 2020 2:27

Instrument :

MSVOA_L

ClientSampleId :

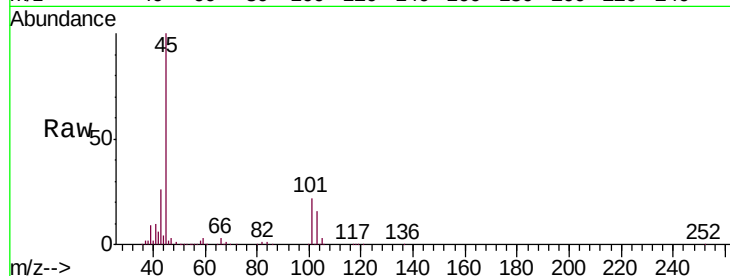
VSTDICCC010

Tgt Ion: 45 Resp: 852300

Ion Ratio Lower Upper

45 100

58 1.7 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

500000

400000

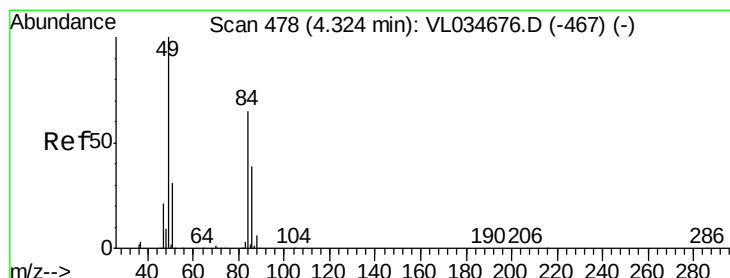
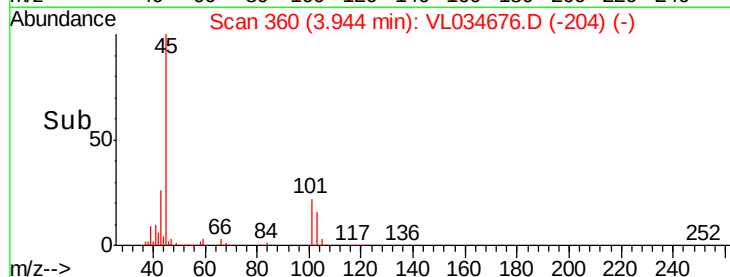
300000

200000

100000

0

Time-->



#20

Methylene Chloride

Concen: 7.203 ppbv

RT: 4.32 min Scan# 478

Delta R.T. 0.00 min

Lab File: VL034676.D

Acq: 26 Feb 2020 2:27

Tgt Ion: 84 Resp: 406539

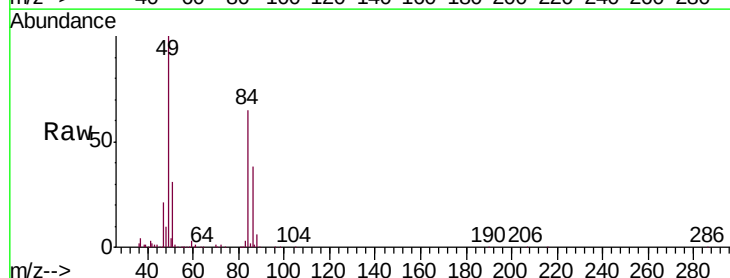
Ion Ratio Lower Upper

84 100

49 153.5 122.8 184.2

51 48.3 38.6 58.0

86 59.6 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

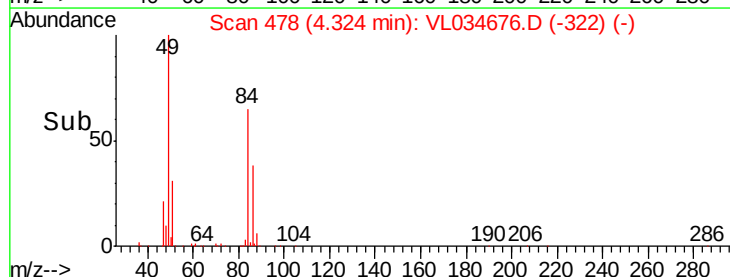
600000

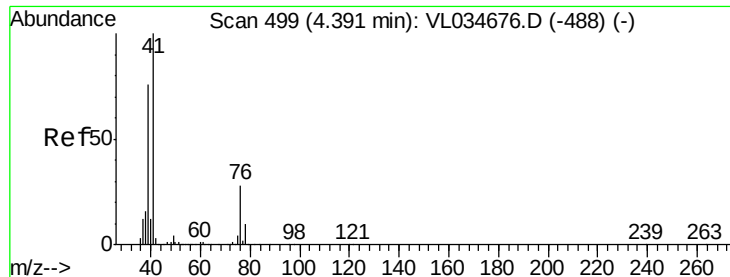
400000

200000

0

Time-->

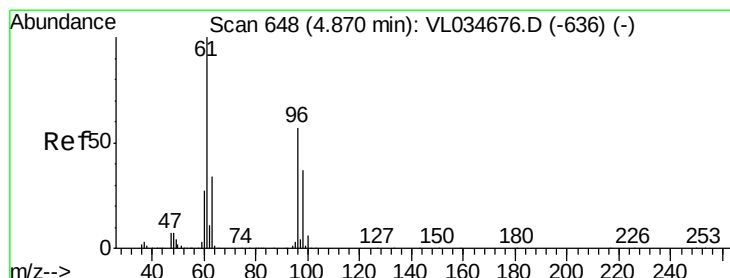
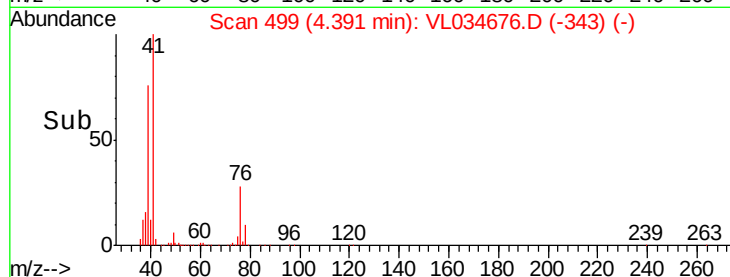
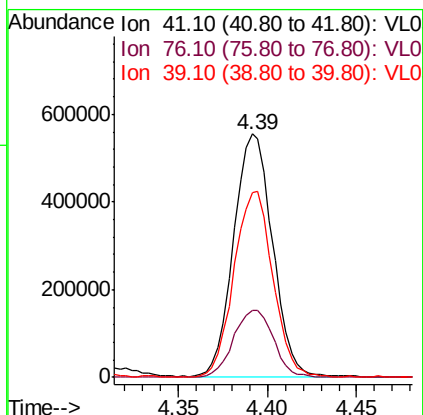
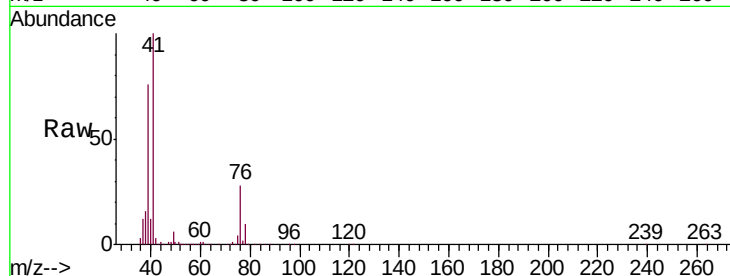




#21
 Allyl Chloride
 Concen: 8.925 ppbv
 RT: 4.39 min Scan# 499
 Delta R.T. 0.00 min
 Lab File: VL034676.D
 Acq: 26 Feb 2020 2:27

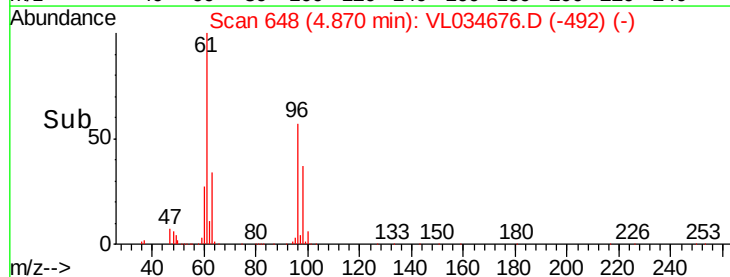
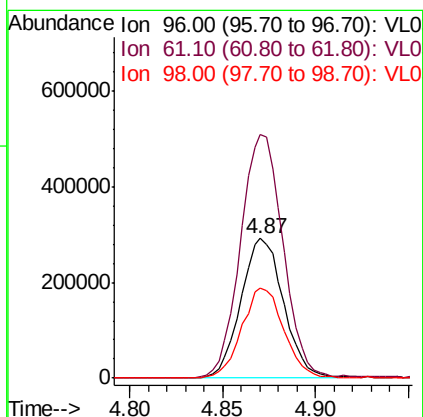
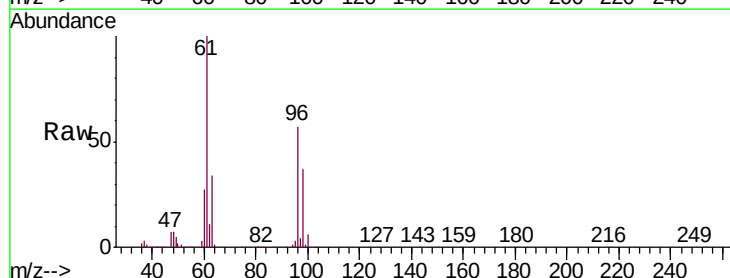
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

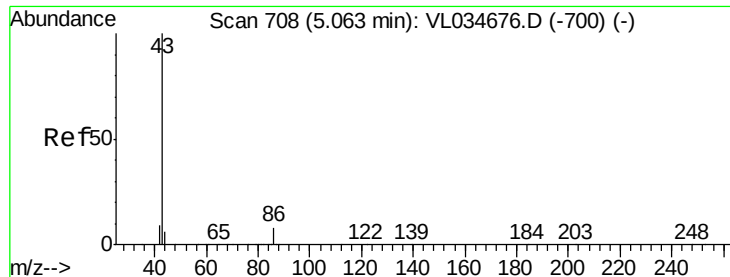
Tgt Ion: 41 Resp: 837958
 Ion Ratio Lower Upper
 41 100
 76 28.5 22.8 34.2
 39 77.2 61.7 92.5



#22
 trans-1,2-Dichloroethene
 Concen: 8.514 ppbv
 RT: 4.87 min Scan# 648
 Delta R.T. 0.00 min
 Lab File: VL034676.D
 Acq: 26 Feb 2020 2:27

Tgt Ion: 96 Resp: 468318
 Ion Ratio Lower Upper
 96 100
 61 174.2 139.4 209.0
 98 64.1 51.3 76.9





#23

Vinyl Acetate

Concen: 9.571 ppbv

RT: 5.06 min Scan# 708

Delta R.T. 0.00 min

Lab File: VL034676.D

Acq: 26 Feb 2020 2:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 43 Resp: 1826889

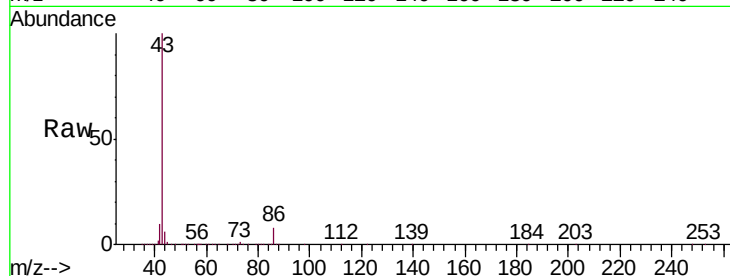
Ion Ratio Lower Upper

43 100

86 7.5 6.0 9.0

42 10.0 8.0 12.0

44 5.6 4.5 6.7

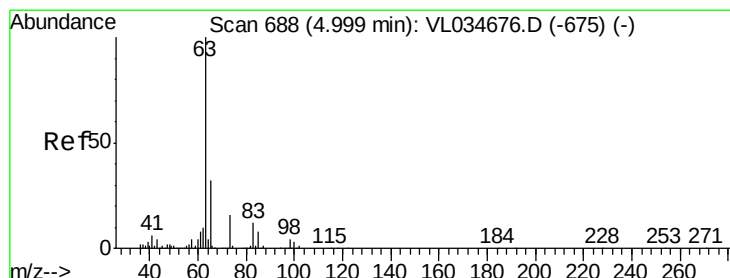
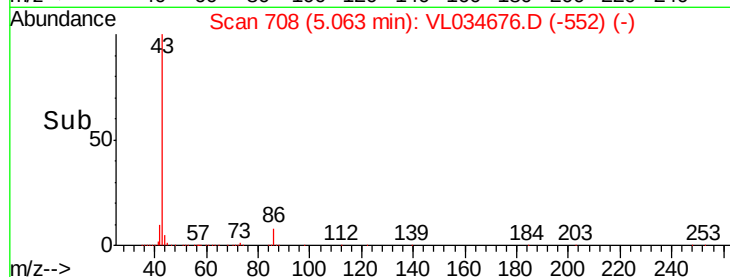
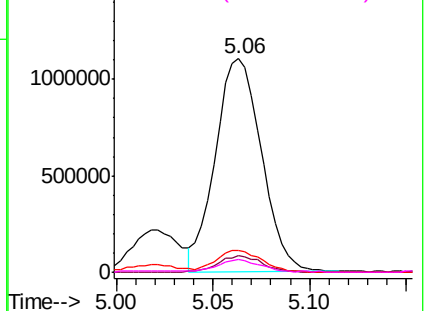


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 8.226 ppbv

RT: 5.00 min Scan# 688

Delta R.T. 0.00 min

Lab File: VL034676.D

Acq: 26 Feb 2020 2:27

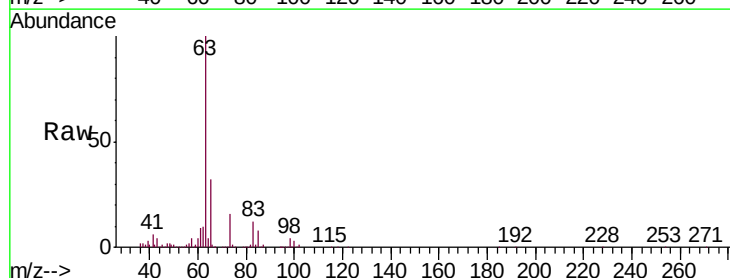
Tgt Ion: 63 Resp: 1308413

Ion Ratio Lower Upper

63 100

98 4.1 2.1 6.2

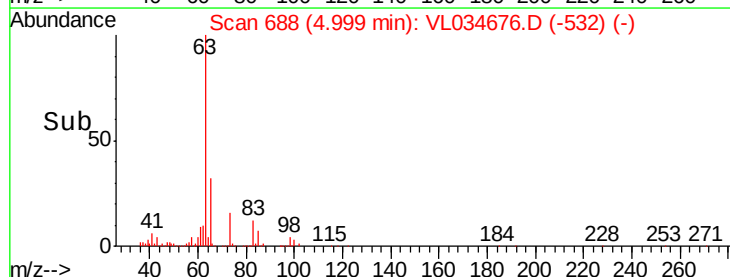
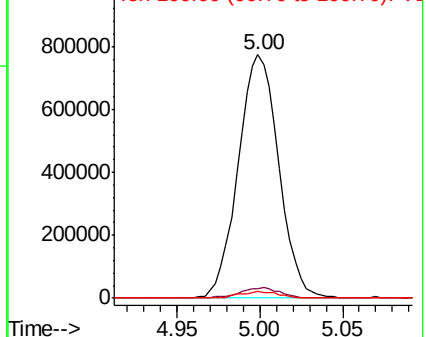
100 2.7 1.4 4.0

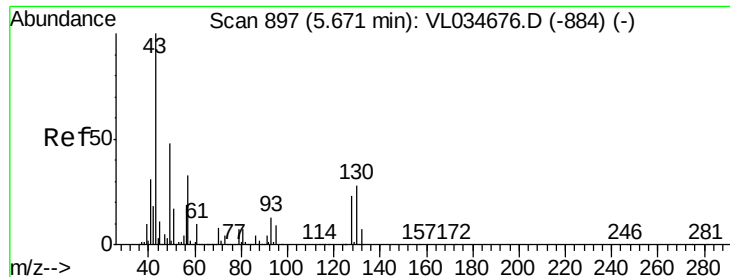


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



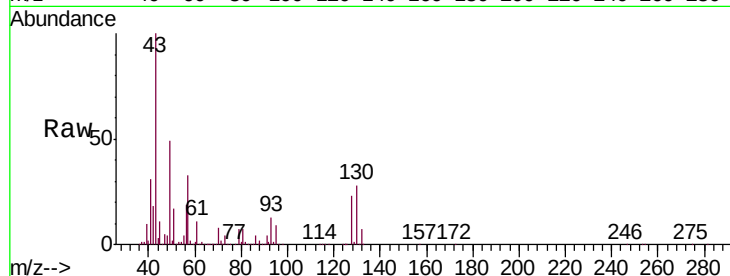


#25
Ethyl Acetate
Concen: 8.294 ppbv
RT: 5.67 min Scan# 897
Delta R.T. 0.00 min
Lab File: VL034676.D
Acq: 26 Feb 2020 2:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 43 Resp: 2203984

Ion	Ratio	Lower	Upper
43	100		
45	10.3	8.2	12.4
61	9.7	7.8	11.6
70	7.6	6.1	9.1



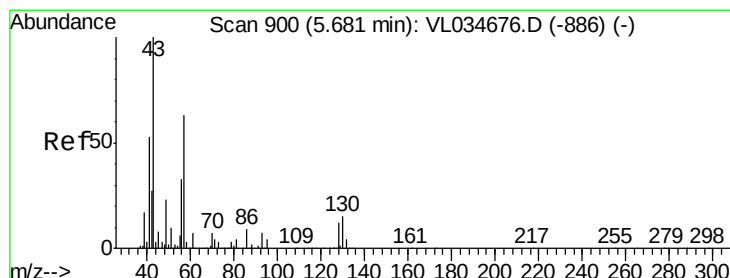
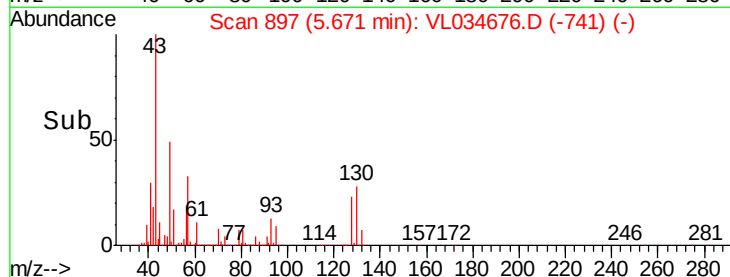
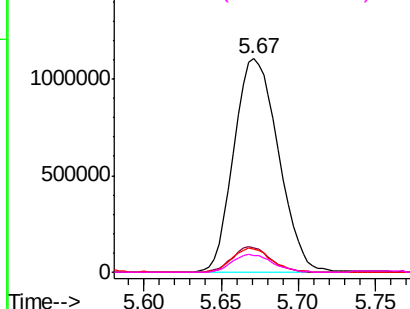
Abundance

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

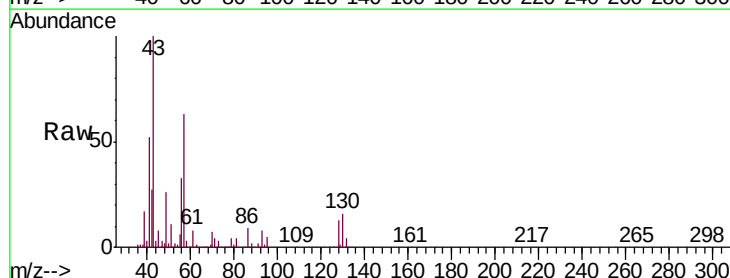
Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 8.516 ppbv
RT: 5.68 min Scan# 900
Delta R.T. 0.00 min
Lab File: VL034676.D
Acq: 26 Feb 2020 2:27

Tgt Ion: 57 Resp: 1004983

Ion	Ratio	Lower	Upper
57	100		
41	87.8	70.3	105.5
43	220.9	177.0	265.4
56	53.1	42.6	64.0



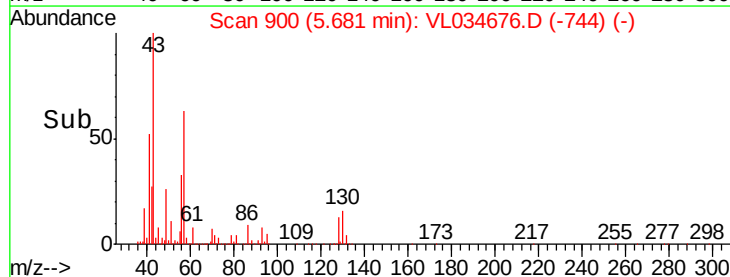
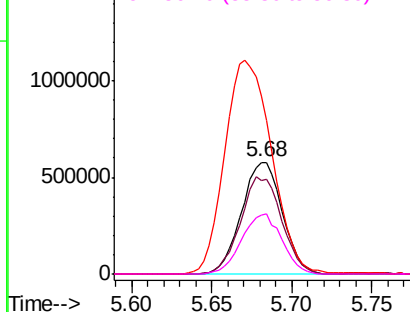
Abundance

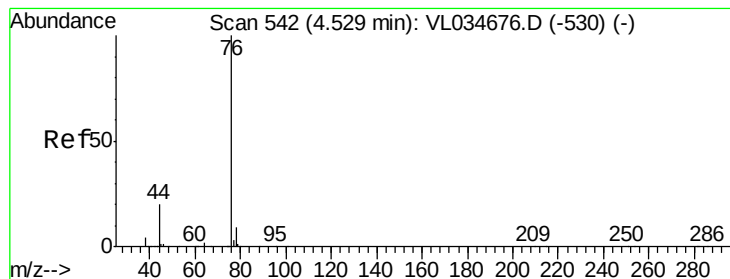
Ion 57.10 (56.80 to 57.80): VL0

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: 9.177 ppbv

RT: 4.53 min Scan# 542

Delta R.T. 0.00 min

Lab File: VL034676.D

Acq: 26 Feb 2020 2:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

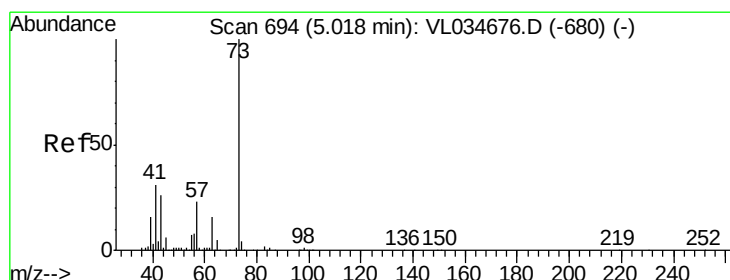
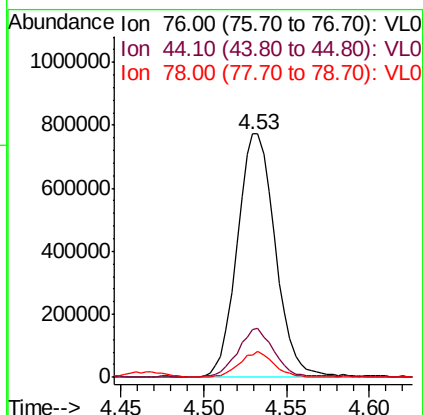
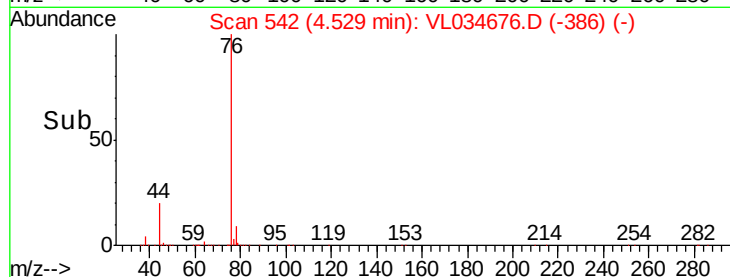
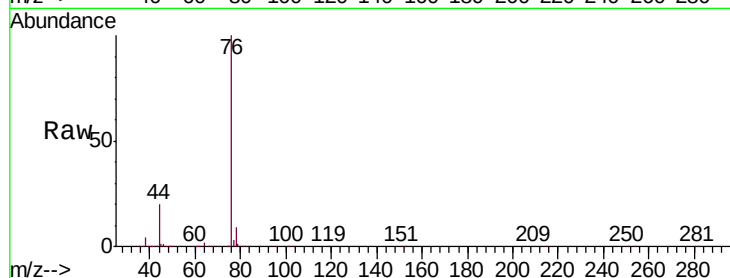
Tgt Ion: 76 Resp: 1230388

Ion Ratio Lower Upper

76 100

44 19.1 15.3 22.9

78 9.5 7.6 11.4



#28

Methyl tert-Butyl Ether

Concen: 8.843 ppbv

RT: 5.02 min Scan# 694

Delta R.T. 0.00 min

Lab File: VL034676.D

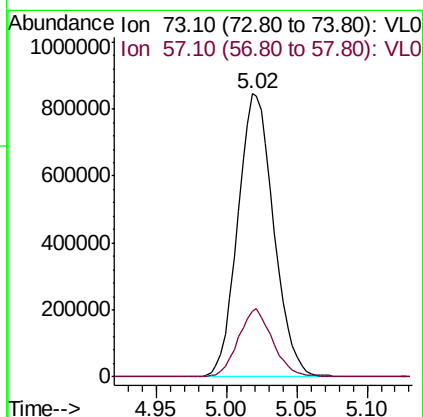
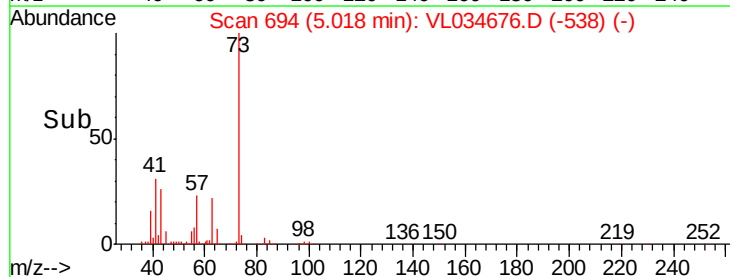
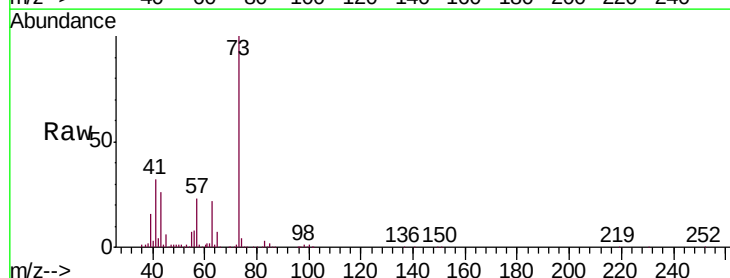
Acq: 26 Feb 2020 2:27

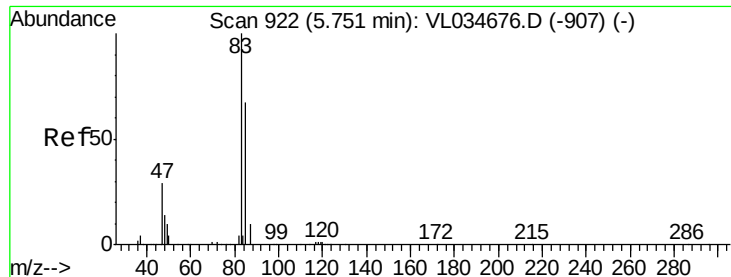
Tgt Ion: 73 Resp: 1506955

Ion Ratio Lower Upper

73 100

57 23.3 18.6 28.0

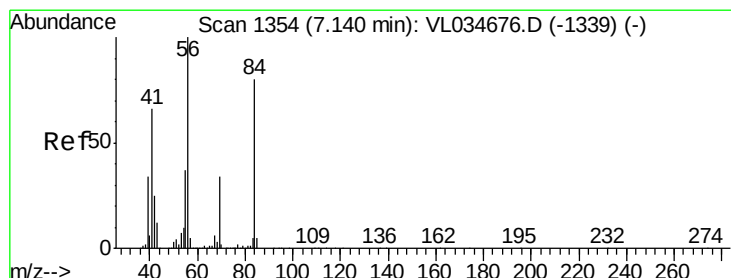
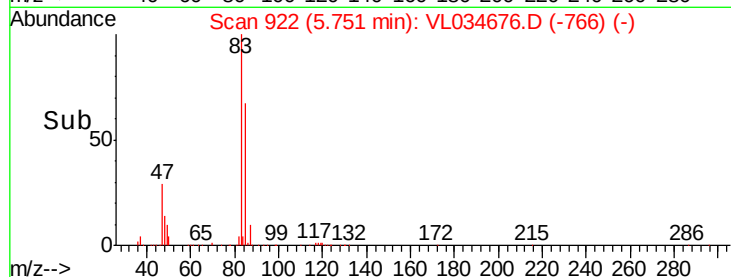
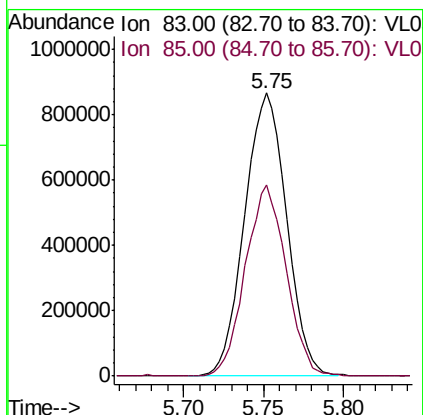
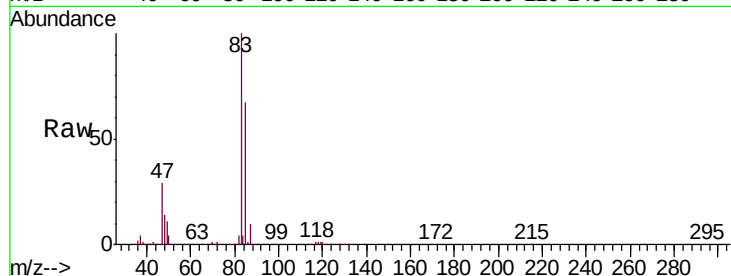




#29
Chloroform
Concen: 8.308 ppbv
RT: 5.75 min Scan# 922
Delta R.T. 0.00 min
Lab File: VL034676.D
Acq: 26 Feb 2020 2:27

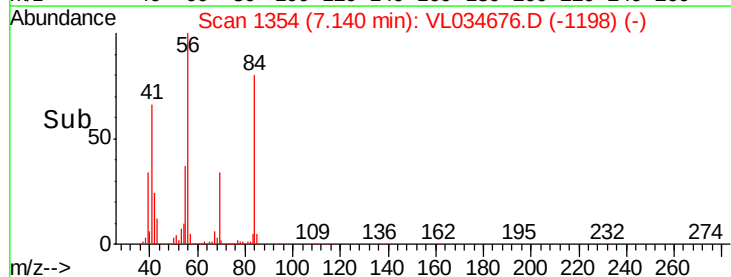
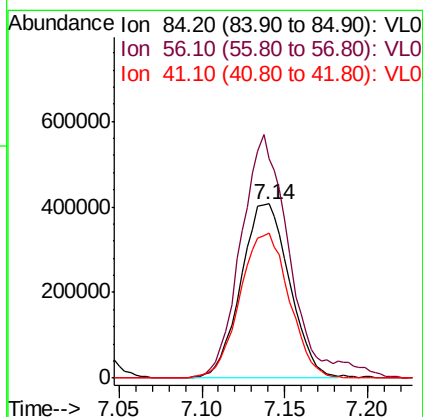
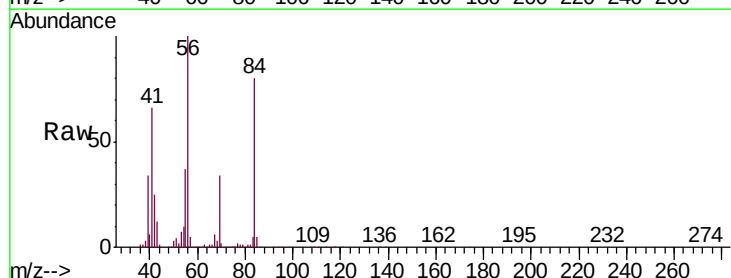
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

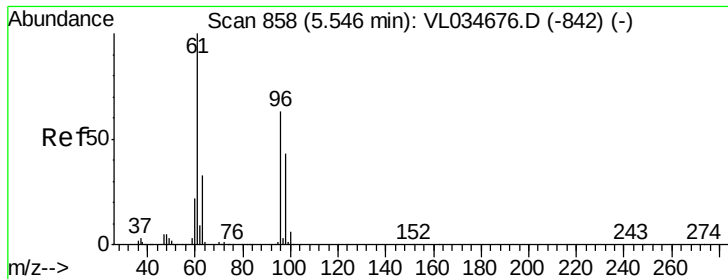
Tgt Ion: 83 Resp: 1560038
Ion Ratio Lower Upper
83 100
85 67.4 53.9 80.9



#30
Cyclohexane
Concen: 9.119 ppbv
RT: 7.14 min Scan# 1354
Delta R.T. 0.00 min
Lab File: VL034676.D
Acq: 26 Feb 2020 2:27

Tgt Ion: 84 Resp: 823562
Ion Ratio Lower Upper
84 100
56 141.8 113.4 170.2
41 85.3 68.2 102.4



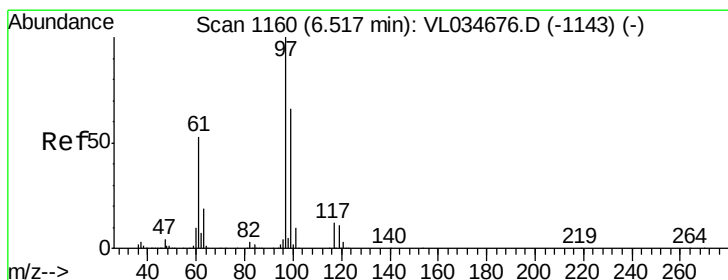
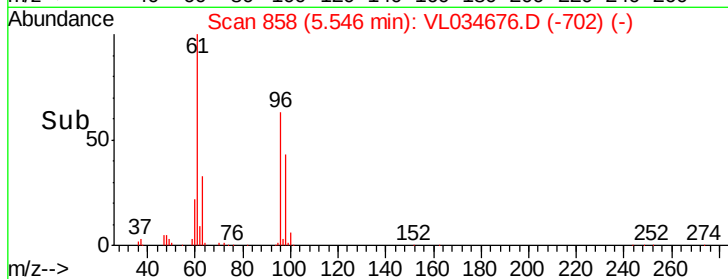
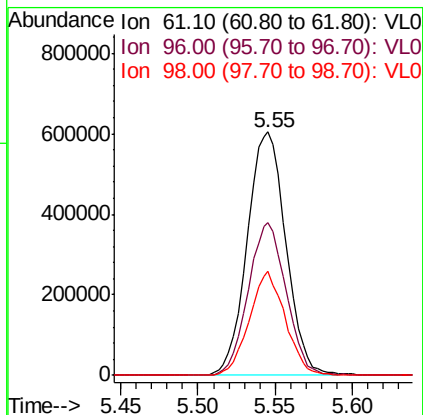
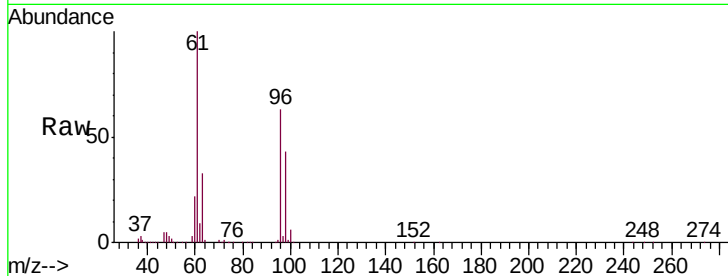


#31

cis-1,2-Dichloroethene
 Concen: 9.199 ppbv
 RT: 5.55 min Scan# 858
 Delta R.T. 0.00 min
 Lab File: VL034676.D
 Acq: 26 Feb 2020 2:27

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

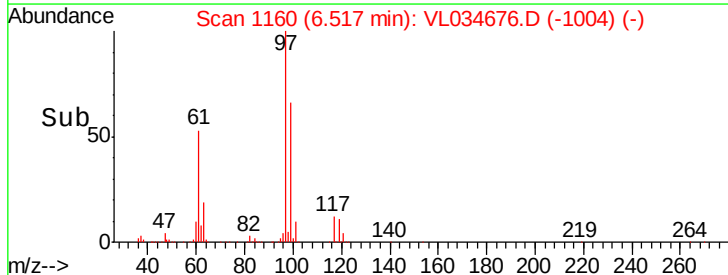
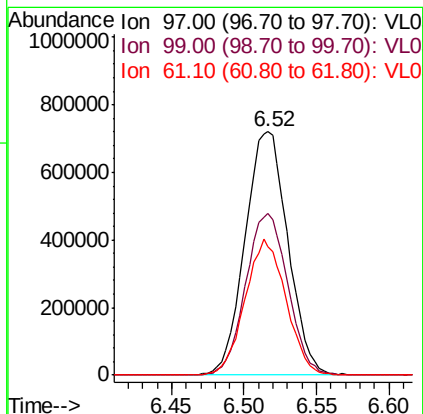
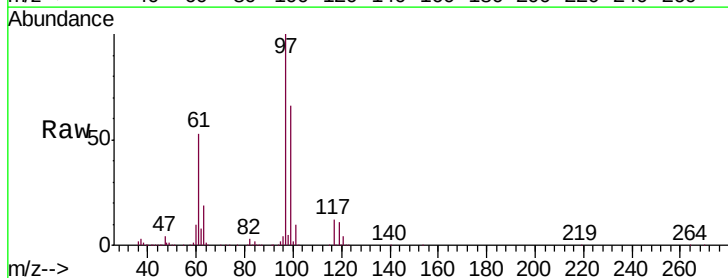
Tgt Ion: 61 Resp: 1052465
 Ion Ratio Lower Upper
 61 100
 96 62.7 50.2 75.2
 98 42.9 34.3 51.5

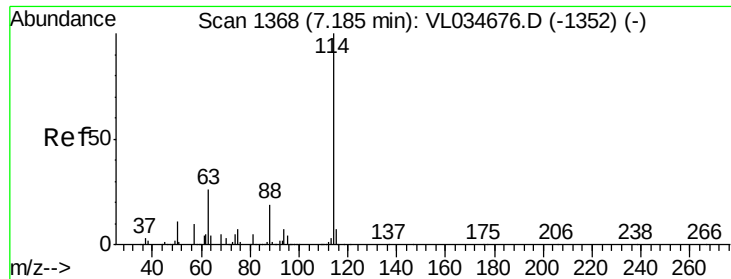


#32

1,1,1-Trichloroethane
 Concen: 8.610 ppbv
 RT: 6.52 min Scan# 1160
 Delta R.T. 0.00 min
 Lab File: VL034676.D
 Acq: 26 Feb 2020 2:27

Tgt Ion: 97 Resp: 1480732
 Ion Ratio Lower Upper
 97 100
 99 65.3 52.3 78.5
 61 53.5 42.8 64.2

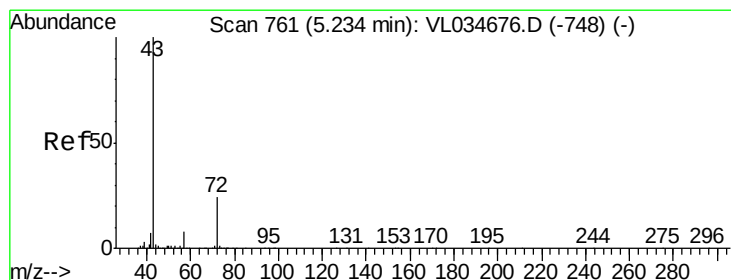
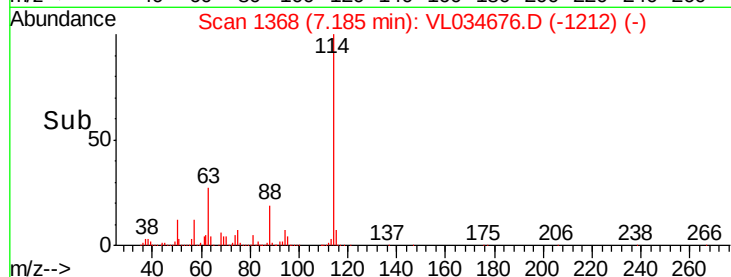
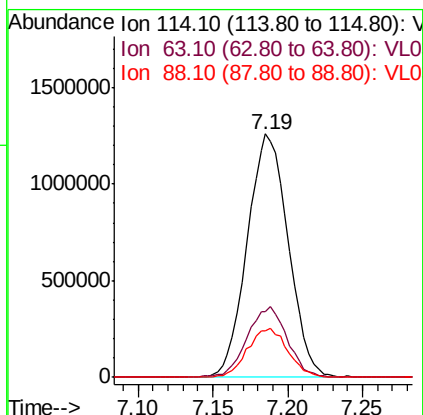
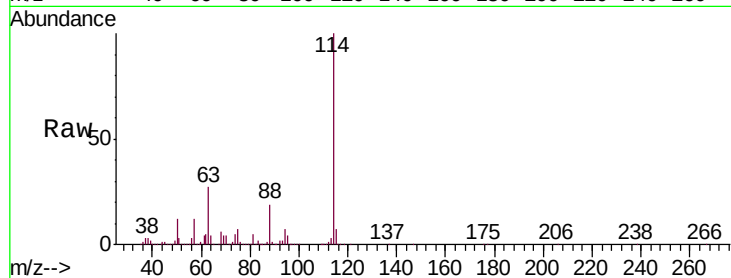




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1368
 Delta R.T. 0.00 min
 Lab File: VL034676.D
 Acq: 26 Feb 2020 2:27

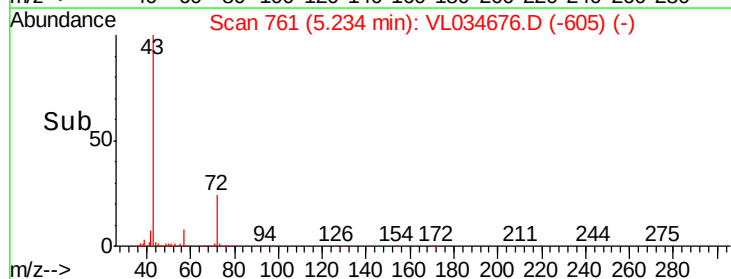
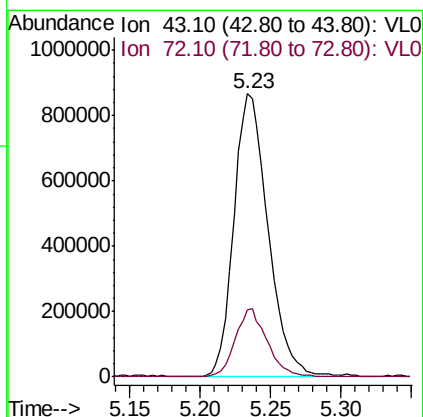
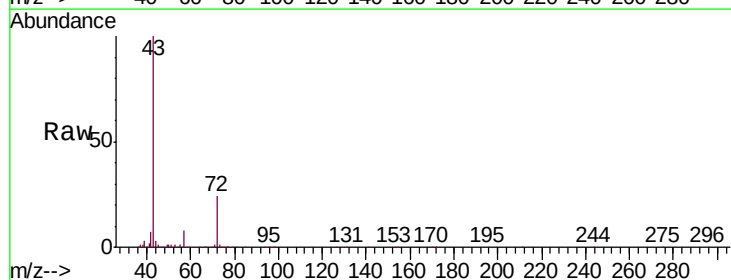
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

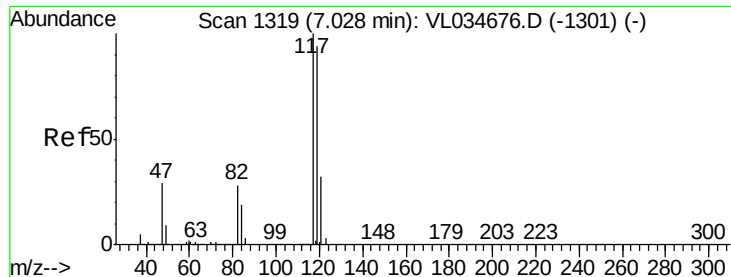
Tgt Ion: 114 Resp: 2399506
 Ion Ratio Lower Upper
 114 100
 63 28.6 22.9 34.3
 88 19.7 15.8 23.6



#34
 2-Butanone
 Concen: 8.634 ppbv
 RT: 5.23 min Scan# 761
 Delta R.T. 0.00 min
 Lab File: VL034676.D
 Acq: 26 Feb 2020 2:27

Tgt Ion: 43 Resp: 1469081
 Ion Ratio Lower Upper
 43 100
 72 22.7 18.2 27.2





#35

Carbon Tetrachloride

Concen: 8.483 ppbv

RT: 7.03 min Scan# 1319

Delta R.T. 0.00 min

Lab File: VL034676.D

Acq: 26 Feb 2020 2:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

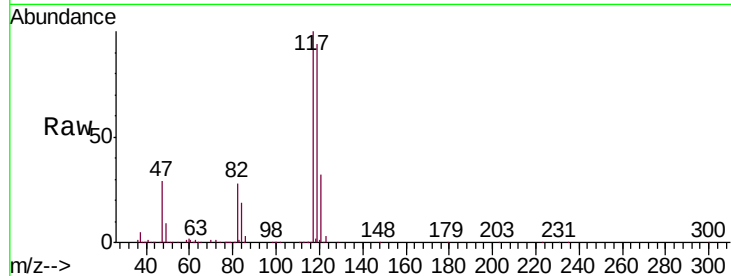
Tgt Ion:117 Resp: 1550341

Ion Ratio Lower Upper

117 100

119 94.4 75.5 113.3

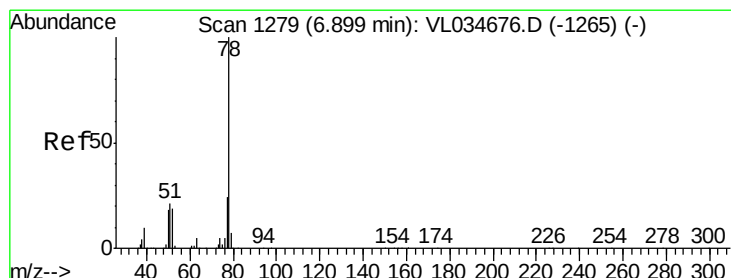
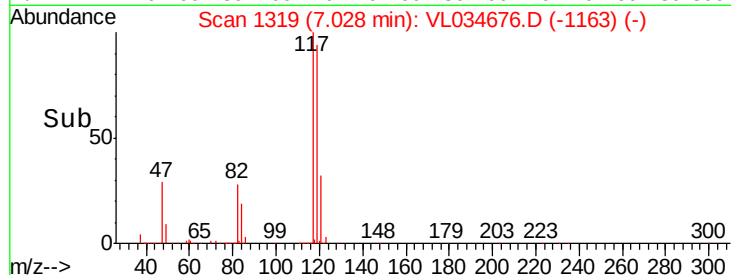
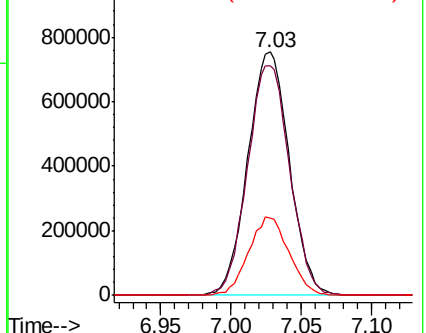
121 31.7 25.4 38.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 8.859 ppbv

RT: 6.90 min Scan# 1279

Delta R.T. 0.00 min

Lab File: VL034676.D

Acq: 26 Feb 2020 2:27

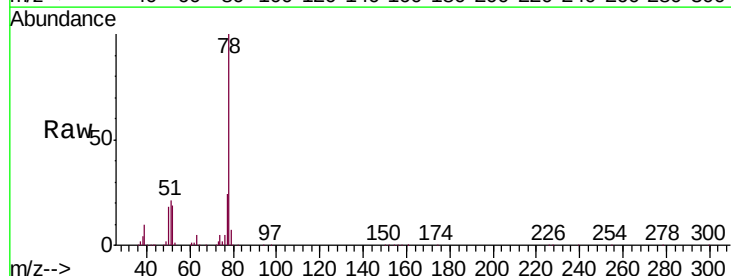
Tgt Ion: 78 Resp: 2002933

Ion Ratio Lower Upper

78 100

77 24.4 19.5 29.3

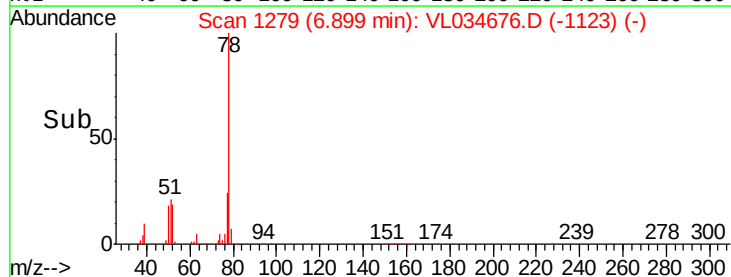
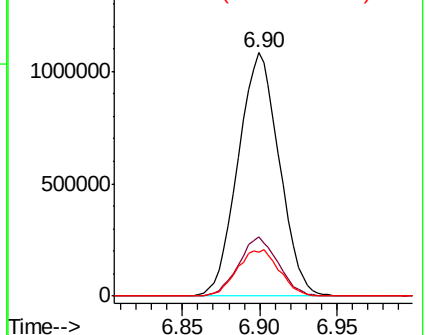
50 18.2 14.6 21.8

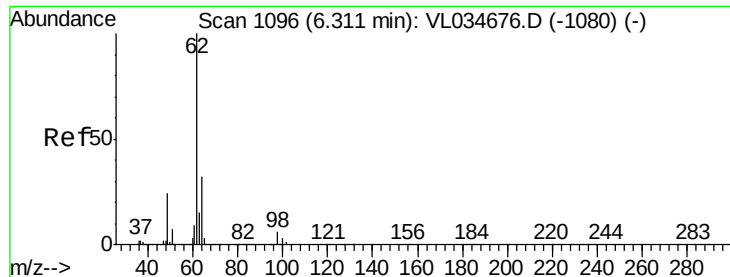


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

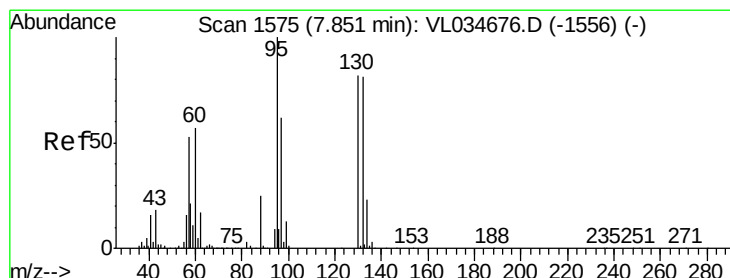
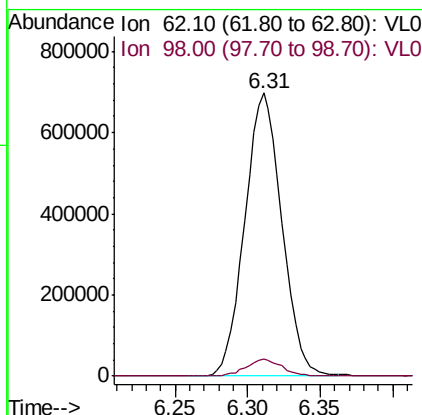
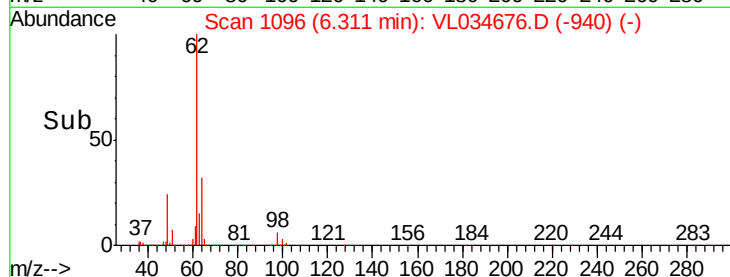
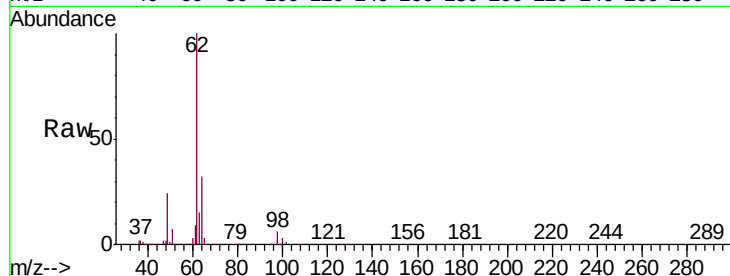




#37
 1,2-Dichloroethane
 Concen: 8.392 ppbv
 RT: 6.31 min Scan# 1096
 Delta R.T. 0.00 min
 Lab File: VL034676.D
 Acq: 26 Feb 2020 2:27

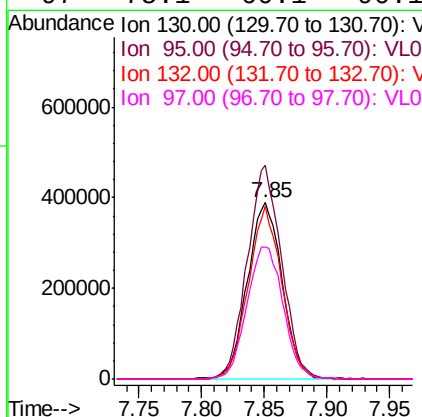
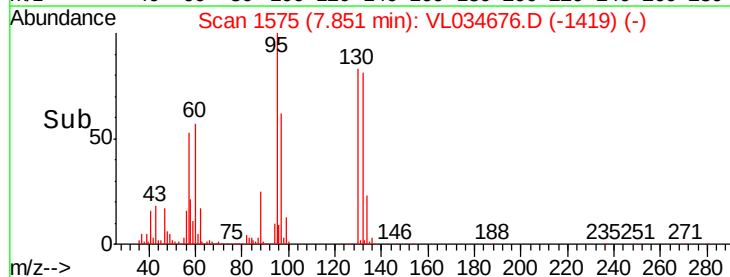
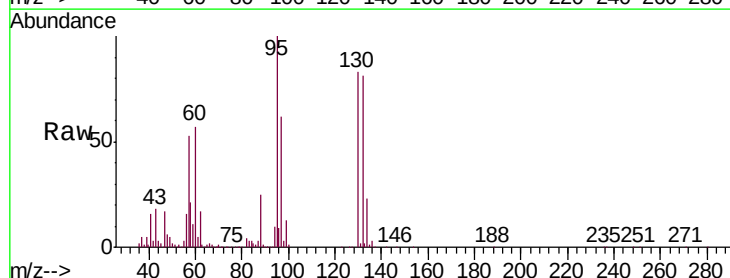
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

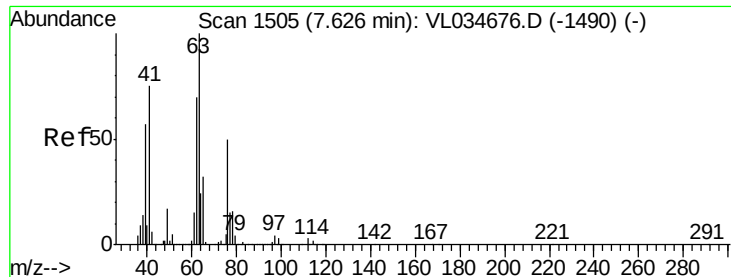
Tgt Ion: 62 Resp: 1241628
 Ion Ratio Lower Upper
 62 100
 98 5.9 4.7 7.1



#38
 Trichloroethene
 Concen: 8.699 ppbv
 RT: 7.85 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VL034676.D
 Acq: 26 Feb 2020 2:27

Tgt Ion: 130 Resp: 746561
 Ion Ratio Lower Upper
 130 100
 95 121.4 97.1 145.7
 132 97.9 78.3 117.5
 97 75.1 60.1 90.1





#39

1,2-Dichloropropane

Concen: 8.693 ppbv

RT: 7.63 min Scan# 1505

Delta R.T. 0.00 min

Lab File: VL034676.D

Acq: 26 Feb 2020 2:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

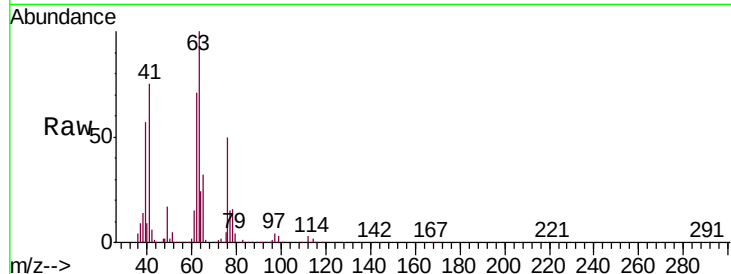
Tgt Ion: 63 Resp: 808777

Ion Ratio Lower Upper

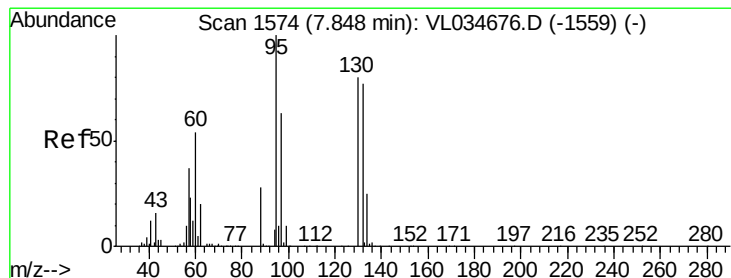
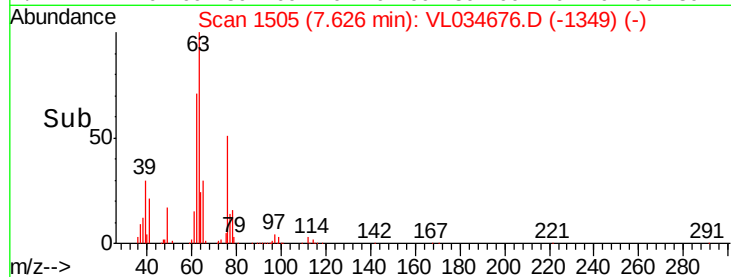
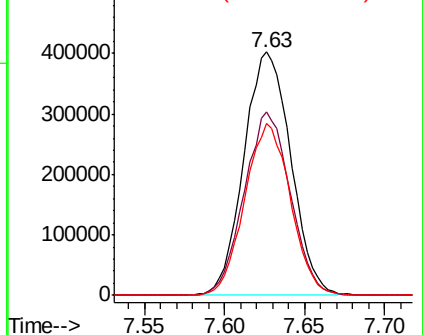
63 100

41 75.3 60.2 90.4

62 70.4 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: 8.606 ppbv

RT: 7.85 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VL034676.D

Acq: 26 Feb 2020 2:27

Tgt Ion: 88 Resp: 299105

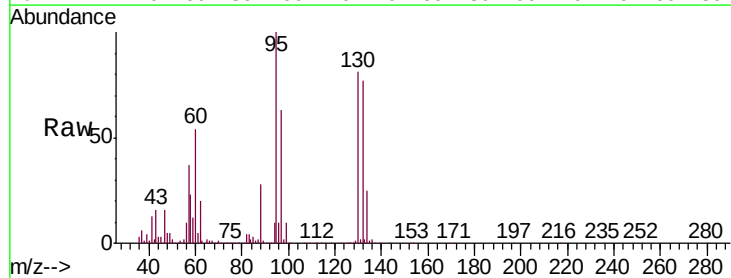
Ion Ratio Lower Upper

88 100

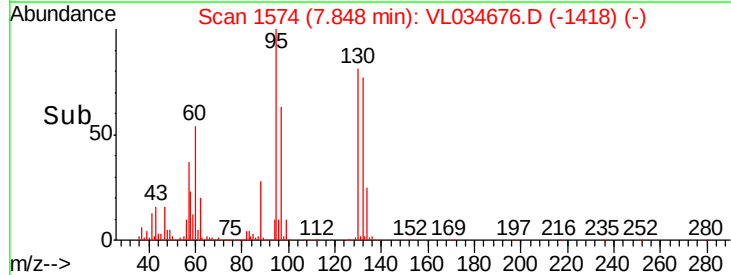
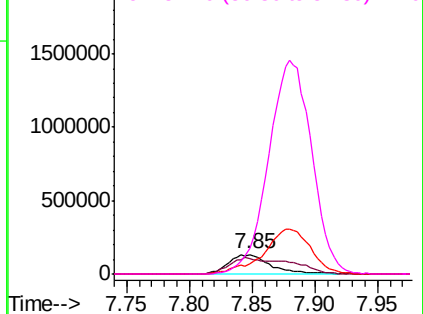
58 130.3 104.6 156.8

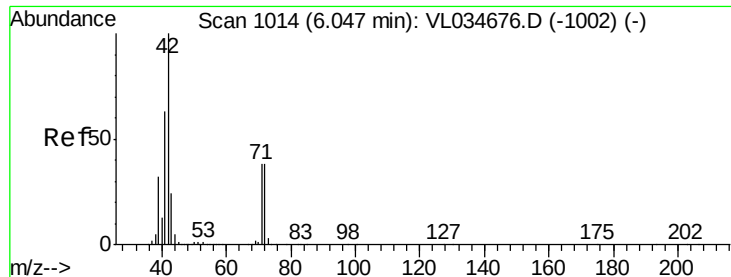
43 265.2 212.9 319.3

57 1168.3 935.2 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: 9.320 ppbv

RT: 6.05 min Scan# 1014

Delta R.T. 0.00 min

Lab File: VL034676.D

Acq: 26 Feb 2020 2:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

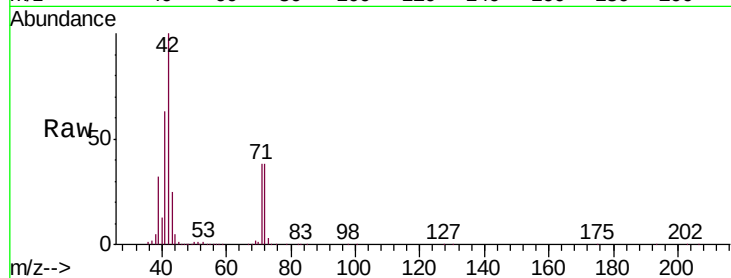
Tgt Ion: 42 Resp: 829923

Ion Ratio Lower Upper

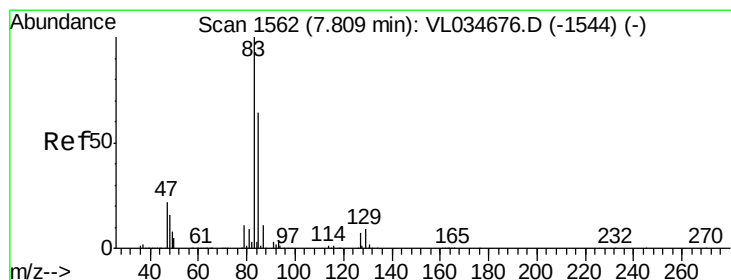
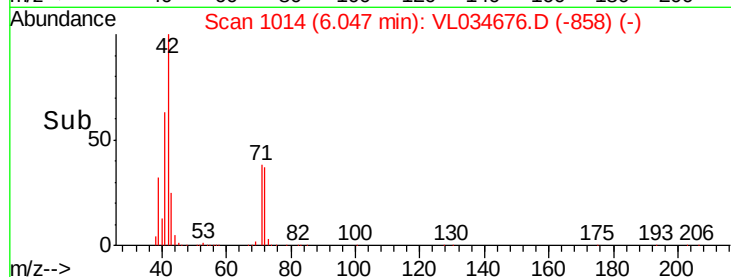
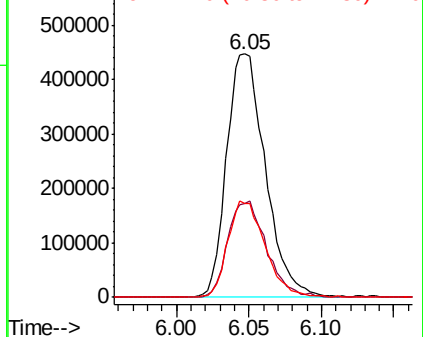
42 100

72 39.4 31.7 47.5

71 38.4 30.7 46.1



Abundance Ion 42.10 (41.80 to 42.80): VL0
Ion 72.10 (71.80 to 72.80): VL0
Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 8.764 ppbv

RT: 7.81 min Scan# 1562

Delta R.T. 0.00 min

Lab File: VL034676.D

Acq: 26 Feb 2020 2:27

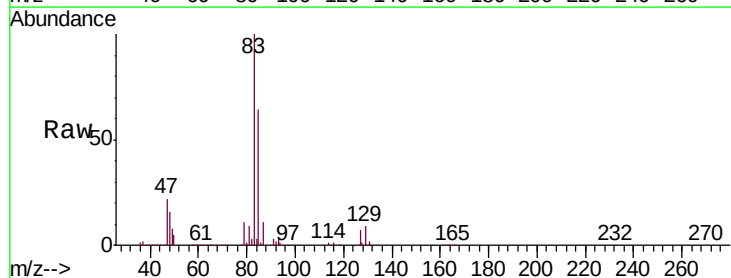
Tgt Ion: 83 Resp: 1682160

Ion Ratio Lower Upper

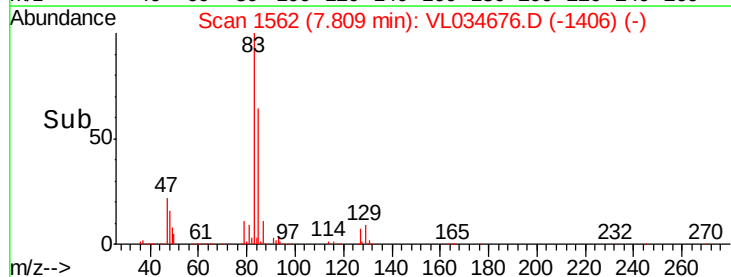
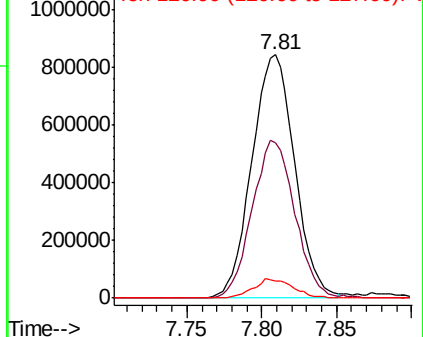
83 100

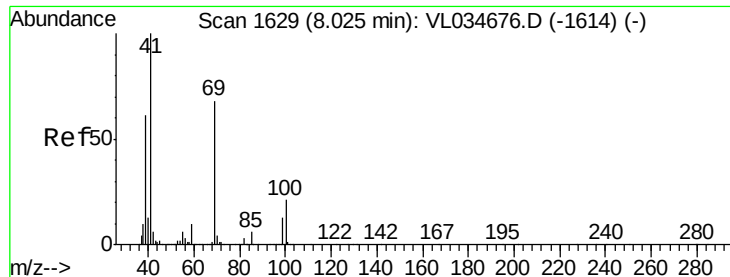
85 63.9 51.1 76.7

127 7.3 5.8 8.8



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: 10.432 ppbv

RT: 8.02 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VL034676.D

Acq: 26 Feb 2020 2:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

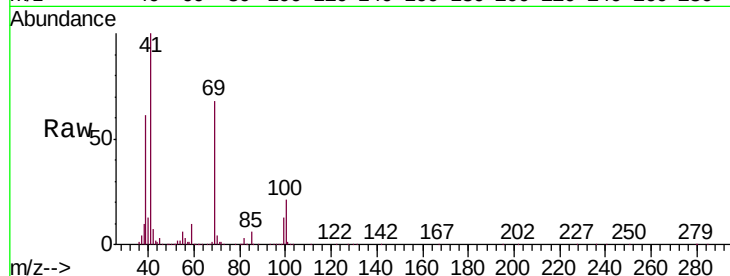
Tgt Ion: 69 Resp: 924586

Ion Ratio Lower Upper

69 100

41 147.7 118.2 177.2

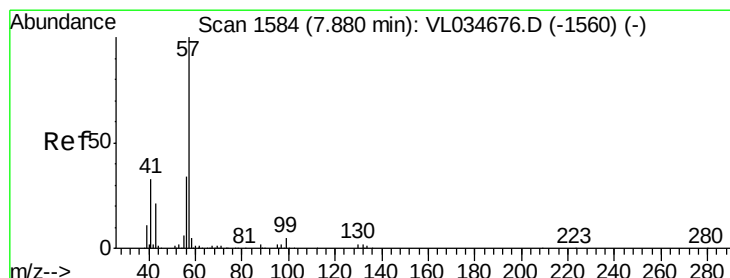
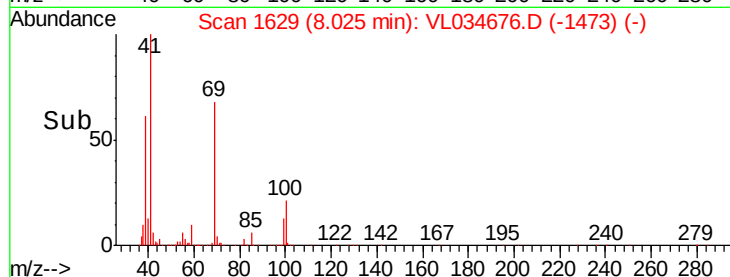
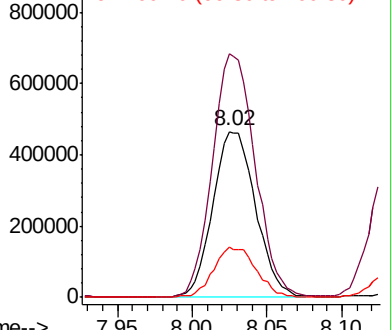
100 30.2 24.2 36.2



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: 8.584 ppbv

RT: 7.88 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VL034676.D

Acq: 26 Feb 2020 2:27

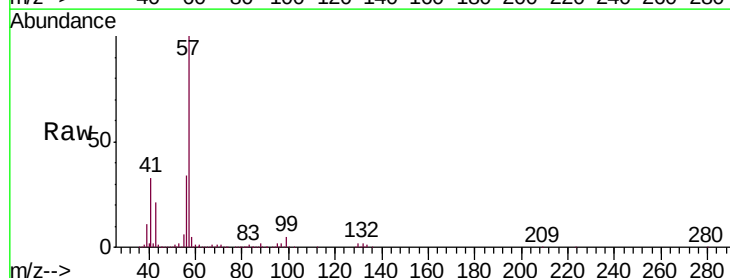
Tgt Ion: 57 Resp: 3489125

Ion Ratio Lower Upper

57 100

41 32.5 26.0 39.0

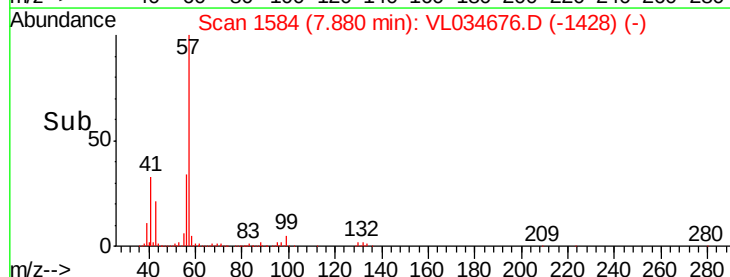
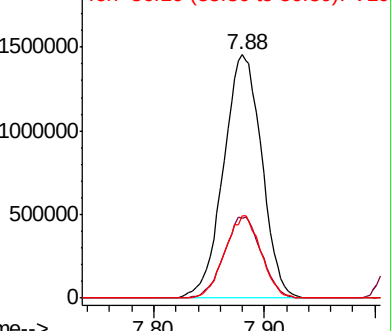
56 32.0 25.6 38.4

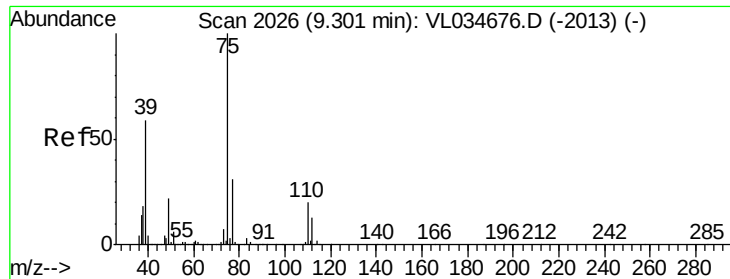


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#45

t-1,3-Dichloropropene

Concen: 10.612 ppbv

RT: 9.30 min Scan# 2026

Delta R.T. 0.00 min

Lab File: VL034676.D

Acq: 26 Feb 2020 2:27

Instrument :

MSVOA_L

ClientSampleId :

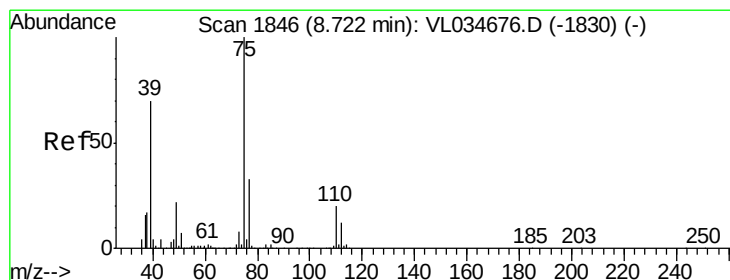
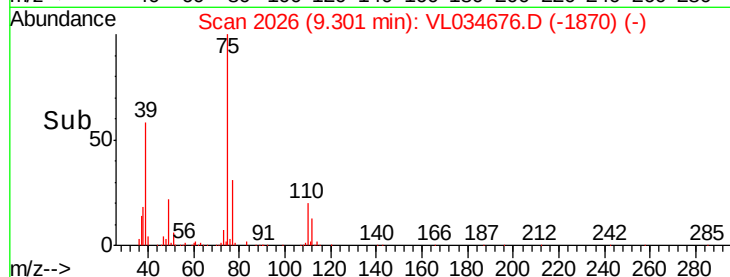
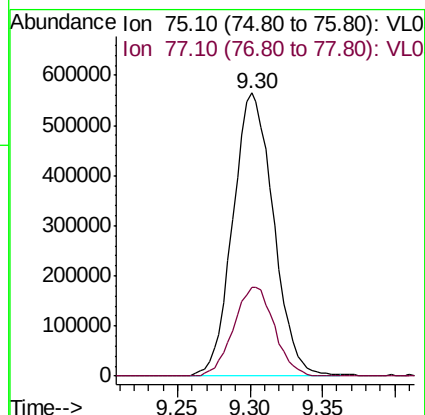
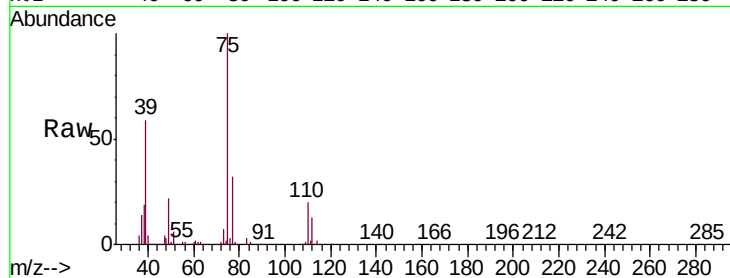
VSTDICCC010

Tgt Ion: 75 Resp: 1100938

Ion Ratio Lower Upper

75 100

77 31.6 25.3 37.9



#46

cis-1,3-Dichloropropene

Concen: 10.449 ppbv

RT: 8.72 min Scan# 1846

Delta R.T. 0.00 min

Lab File: VL034676.D

Acq: 26 Feb 2020 2:27

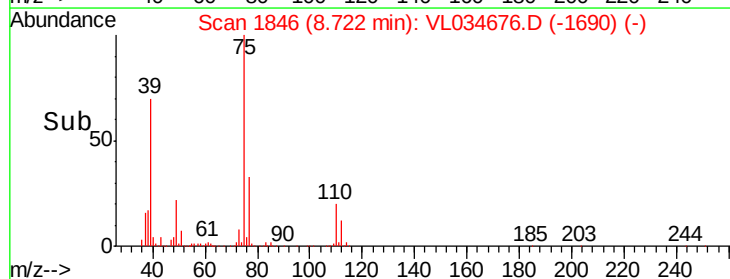
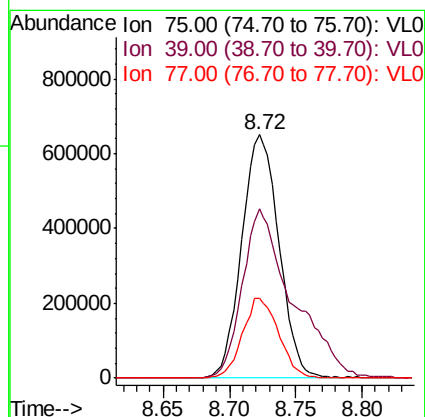
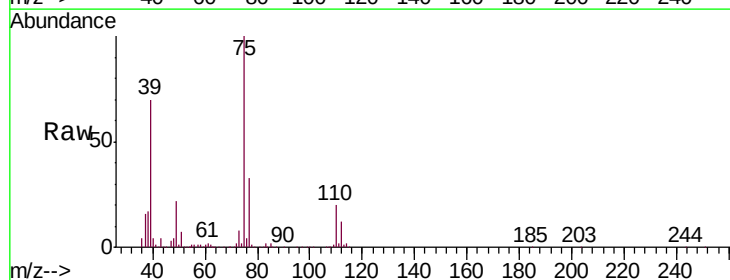
Tgt Ion: 75 Resp: 1267925

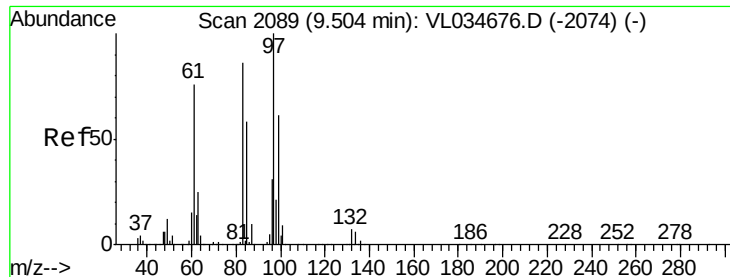
Ion Ratio Lower Upper

75 100

39 69.6 55.7 83.5

77 32.9 26.3 39.5

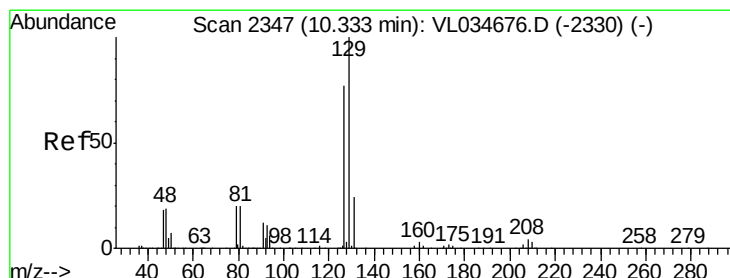
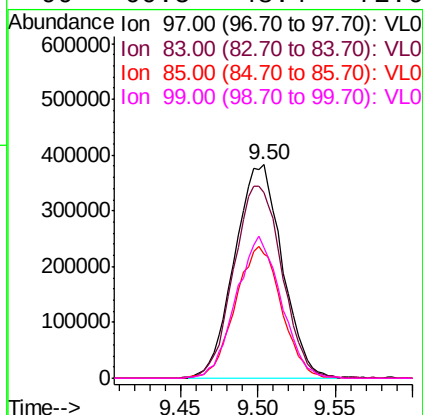
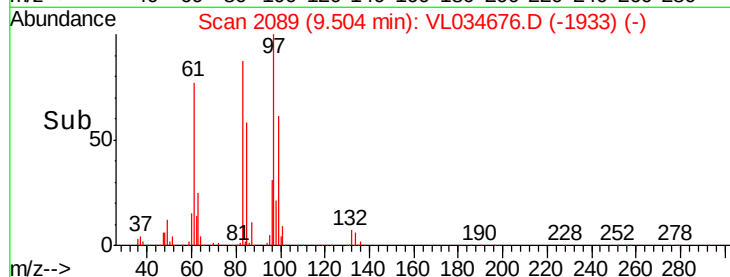
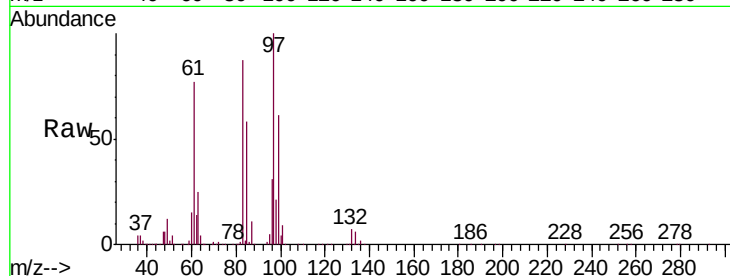




#47
 1,1,2-Trichloroethane
 Concen: 8.334 ppbv
 RT: 9.50 min Scan# 2089
 Delta R.T. 0.00 min
 Lab File: VL034676.D
 Acq: 26 Feb 2020 2:27

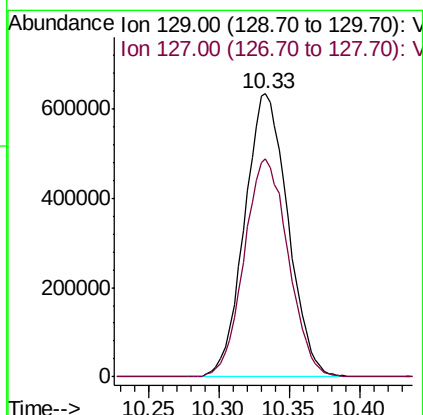
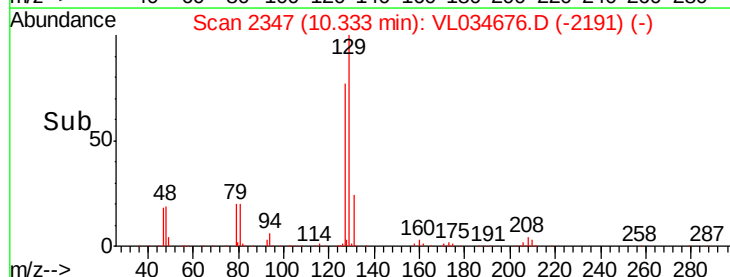
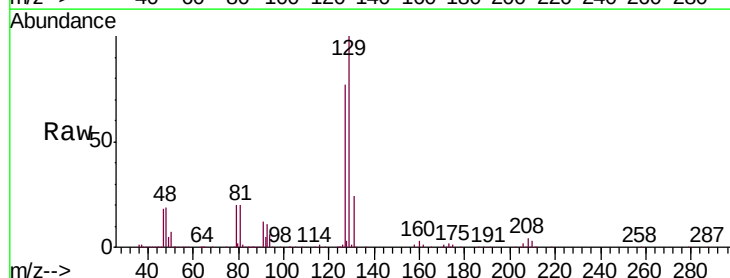
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

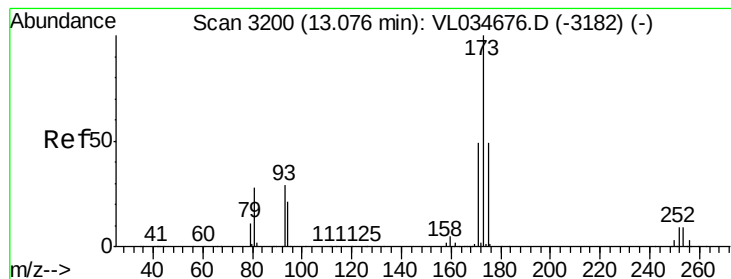
Tgt Ion: 97 Resp: 819343
 Ion Ratio Lower Upper
 97 100
 83 86.7 69.4 104.0
 85 58.0 46.4 69.6
 99 60.5 48.4 72.6



#48
 Dibromochloromethane
 Concen: 9.013 ppbv
 RT: 10.33 min Scan# 2347
 Delta R.T. 0.00 min
 Lab File: VL034676.D
 Acq: 26 Feb 2020 2:27

Tgt Ion: 129 Resp: 1360473
 Ion Ratio Lower Upper
 129 100
 127 78.5 39.3 117.8





#49

Bromoform

Concen: 9.015 ppbv

RT: 13.08 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VL034676.D

Acq: 26 Feb 2020 2:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

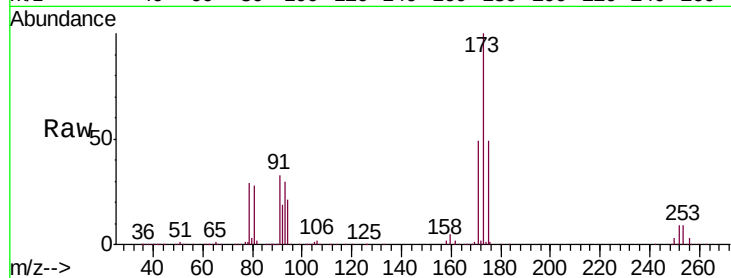
Tgt Ion:173 Resp: 1189869

Ion Ratio Lower Upper

173 100

175 48.5 38.6 58.0

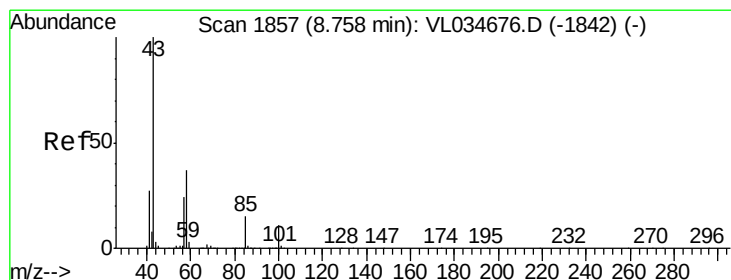
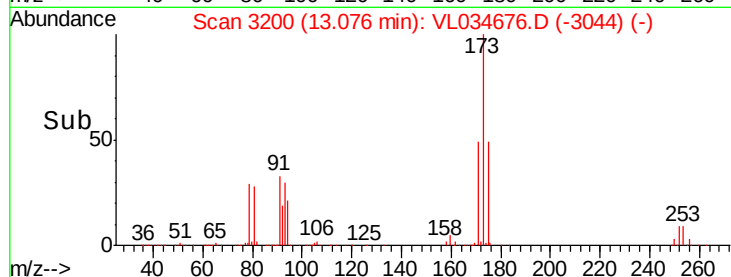
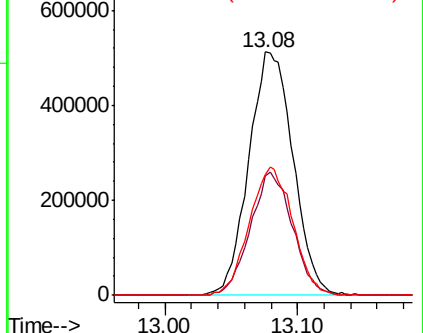
171 52.1 41.5 62.3



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: 9.031 ppbv

RT: 8.76 min Scan# 1857

Delta R.T. 0.00 min

Lab File: VL034676.D

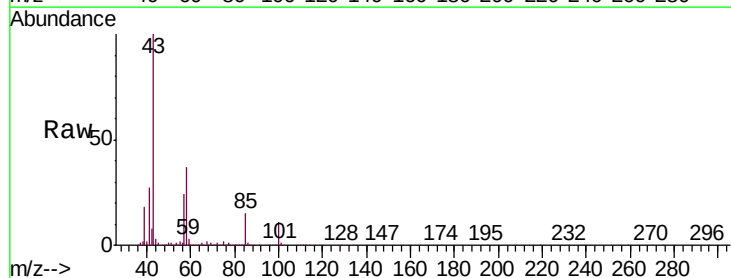
Acq: 26 Feb 2020 2:27

Tgt Ion: 43 Resp: 2182373

Ion Ratio Lower Upper

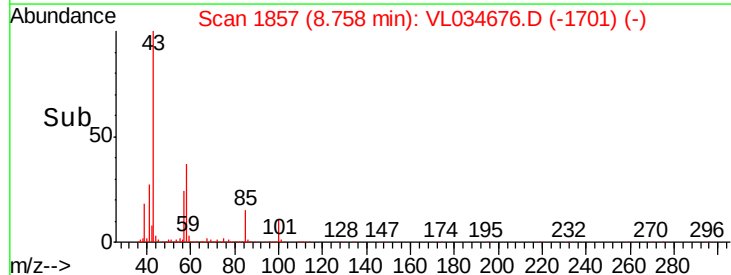
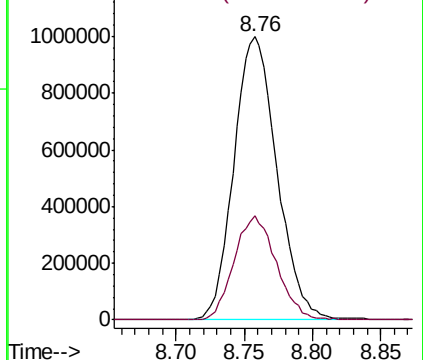
43 100

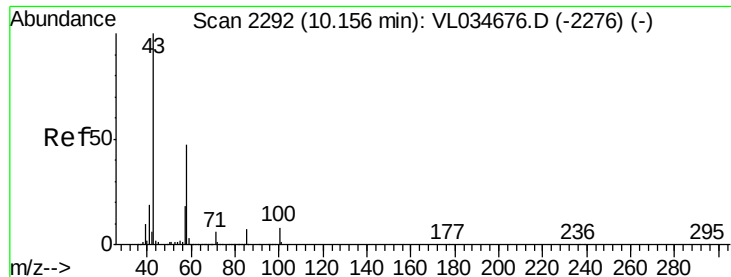
58 36.2 29.0 43.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

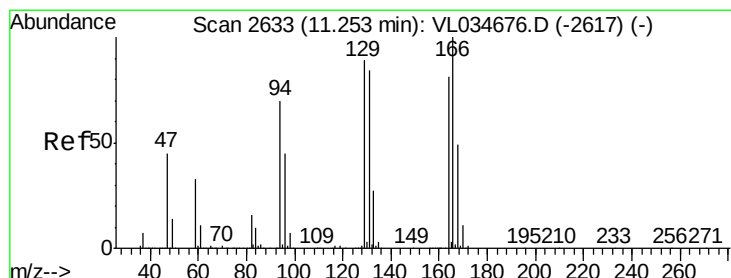
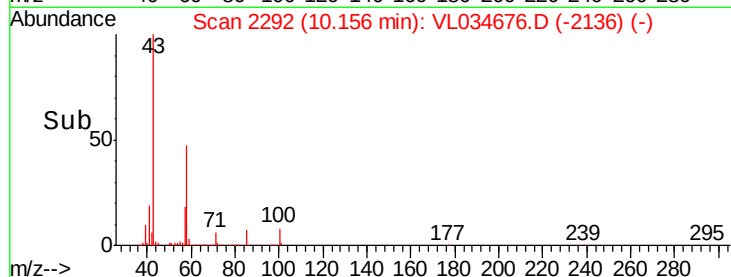
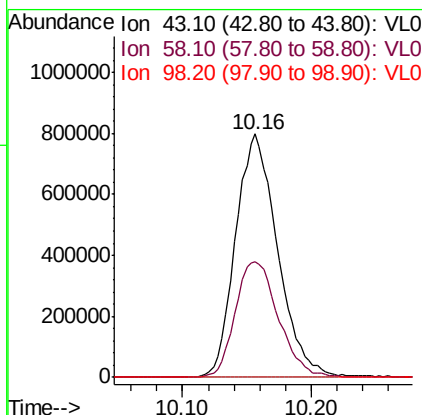
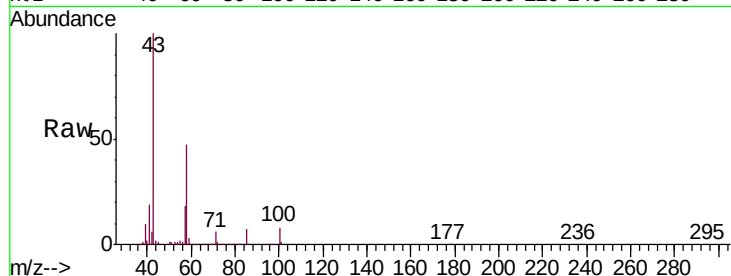




#51
2-Hexanone
Concen: 9.465 ppbv
RT: 10.16 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VL034676.D
Acq: 26 Feb 2020 2:27

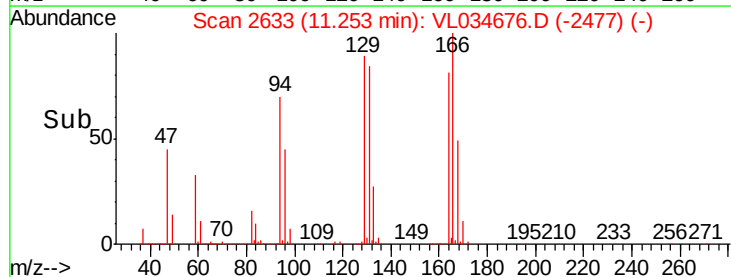
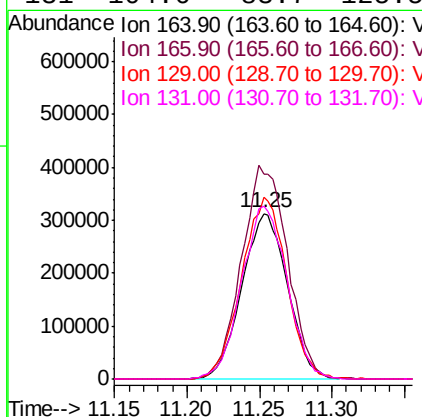
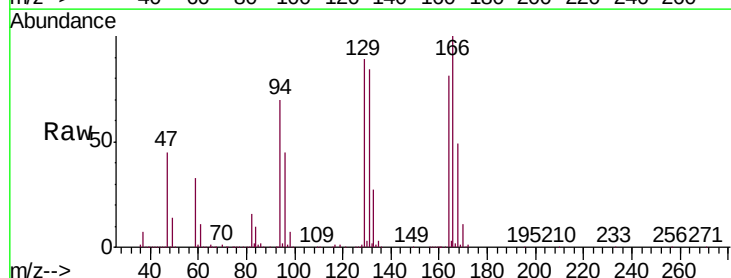
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

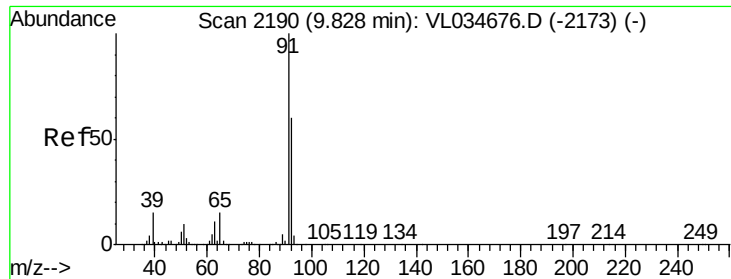
Tgt Ion: 43 Resp: 1804229
Ion Ratio Lower Upper
43 100
58 49.2 39.4 59.0
98 0.2 0.2 0.2



#52
Tetrachloroethene
Concen: 8.570 ppbv
RT: 11.25 min Scan# 2633
Delta R.T. 0.00 min
Lab File: VL034676.D
Acq: 26 Feb 2020 2:27

Tgt Ion: 164 Resp: 683634
Ion Ratio Lower Upper
164 100
166 124.0 99.2 148.8
129 110.0 88.0 132.0
131 104.6 83.7 125.5





#53

Toluene

Concen: 9.401 ppbv

RT: 9.83 min Scan# 2190

Delta R.T. 0.00 min

Lab File: VL034676.D

Acq: 26 Feb 2020 2:27

Instrument :

MSVOA_L

ClientSampleId :

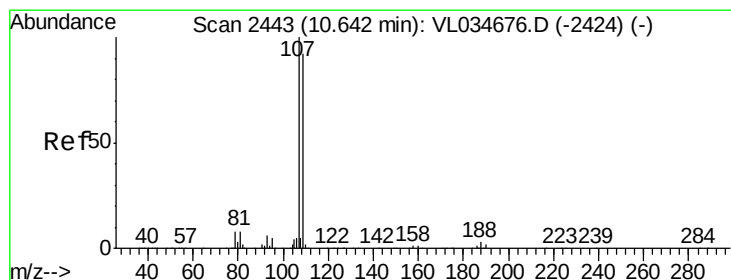
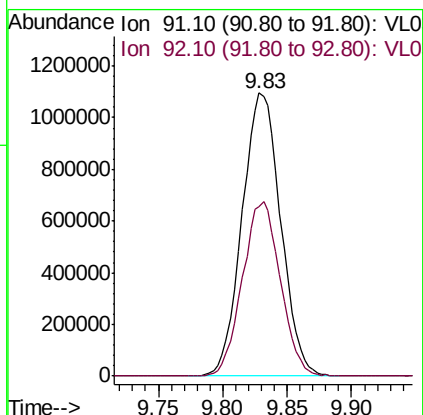
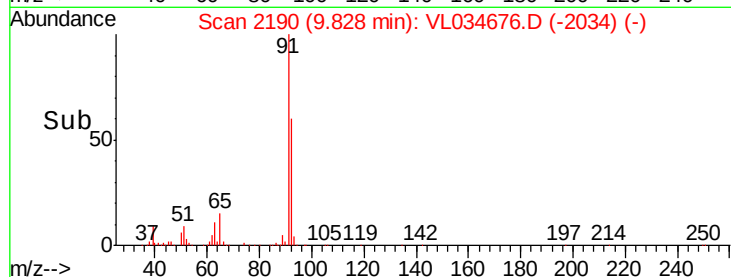
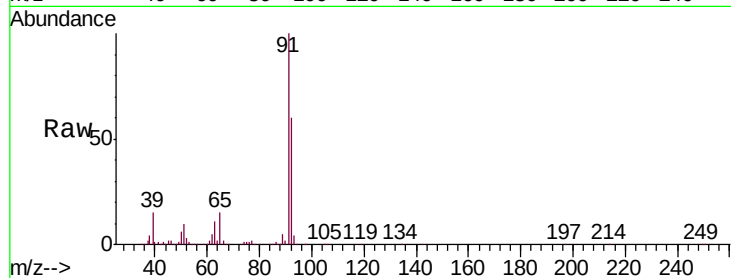
VSTDICCC010

Tgt Ion: 91 Resp: 2285814

Ion Ratio Lower Upper

91 100

92 60.6 48.5 72.7



#54

1,2-Dibromoethane

Concen: 9.135 ppbv

RT: 10.64 min Scan# 2443

Delta R.T. 0.00 min

Lab File: VL034676.D

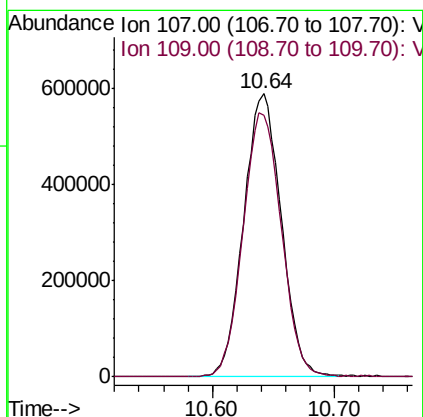
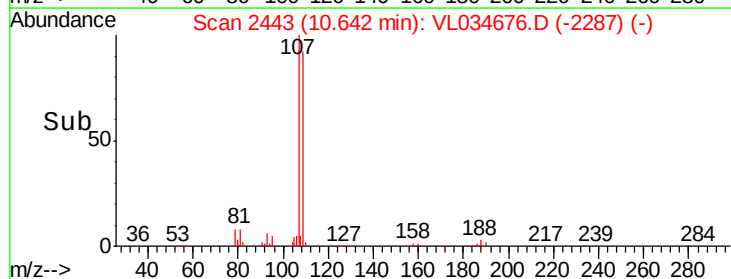
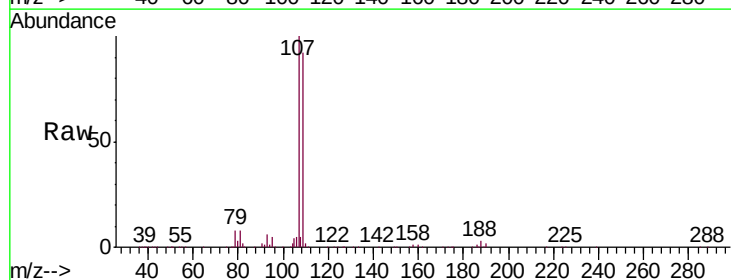
Acq: 26 Feb 2020 2:27

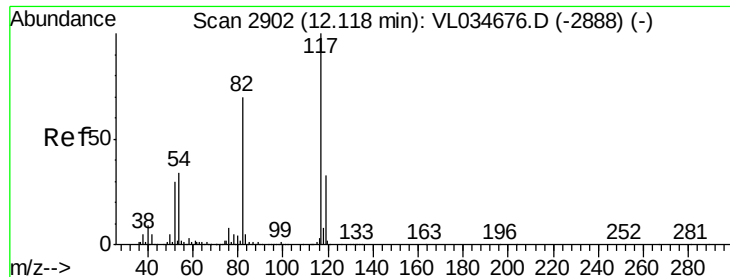
Tgt Ion: 107 Resp: 1251029

Ion Ratio Lower Upper

107 100

109 92.4 73.9 110.9

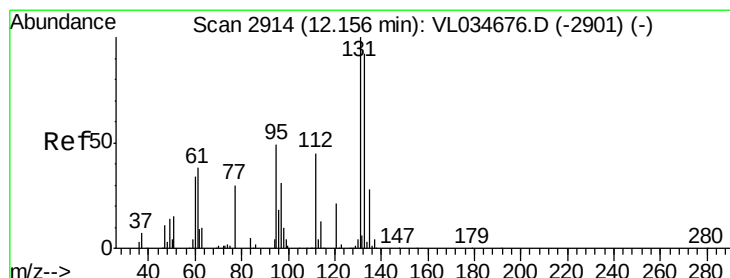
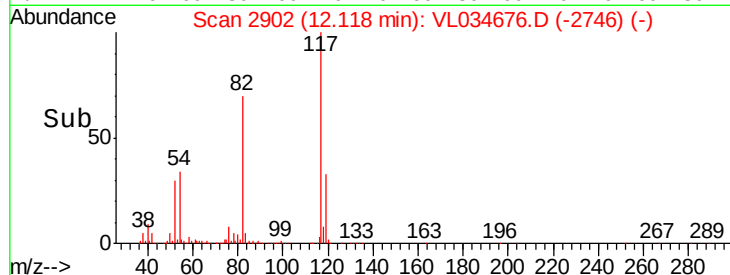
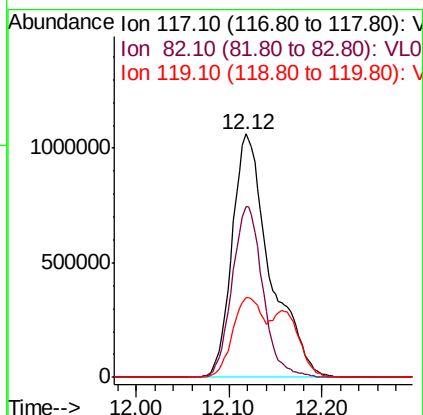
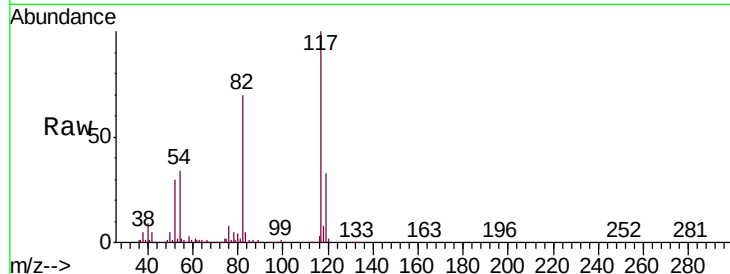




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.12 min Scan# 2902
Delta R.T. 0.00 min
Lab File: VL034676.D
Acq: 26 Feb 2020 2:27

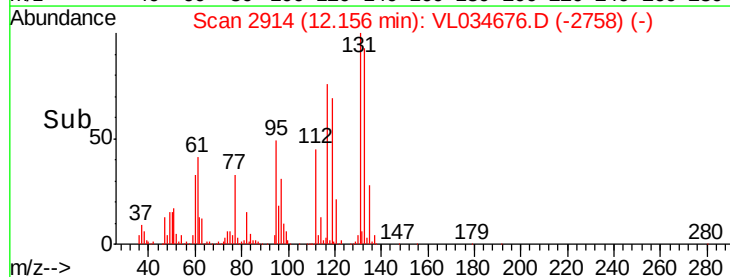
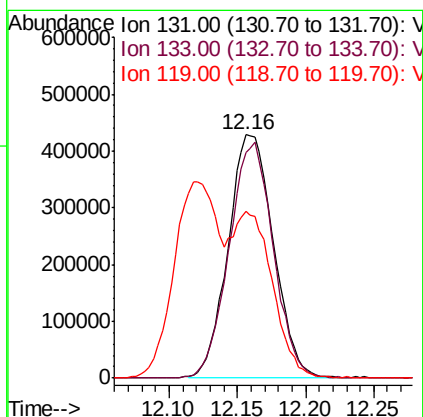
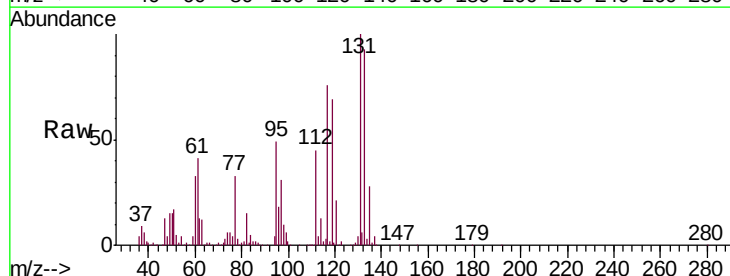
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

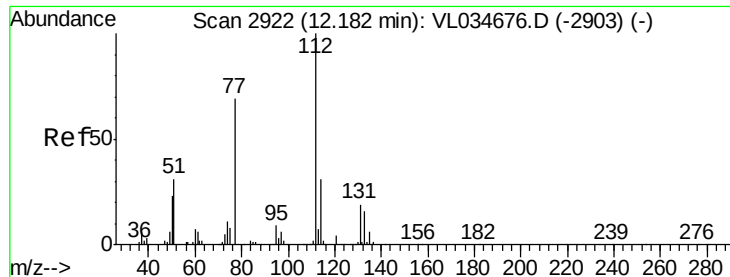
Tgt Ion:117 Resp: 3017523
Ion Ratio Lower Upper
117 100
82 57.1 54.1 81.1
119 29.1 27.6 41.4



#56
1,1,1,2-Tetrachloroethane
Concen: 7.430 ppbv
RT: 12.16 min Scan# 2914
Delta R.T. 0.00 min
Lab File: VL034676.D
Acq: 26 Feb 2020 2:27

Tgt Ion:131 Resp: 980341
Ion Ratio Lower Upper
131 100
133 95.7 76.6 114.8
119 64.1 51.3 76.9

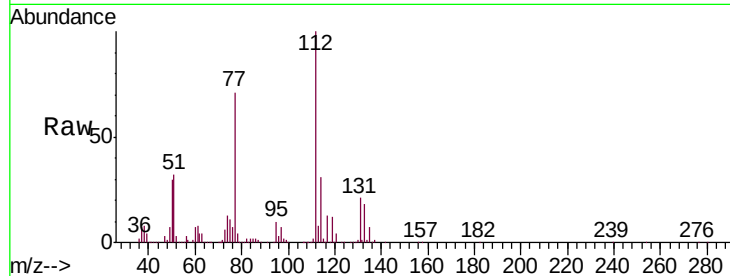




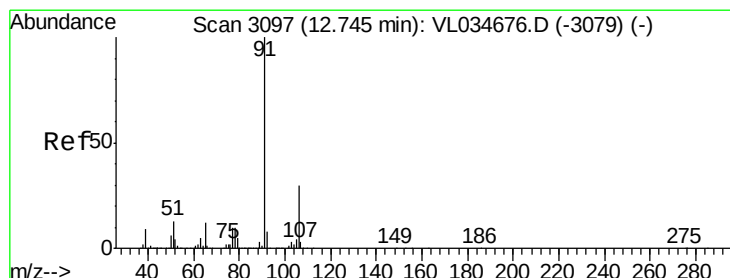
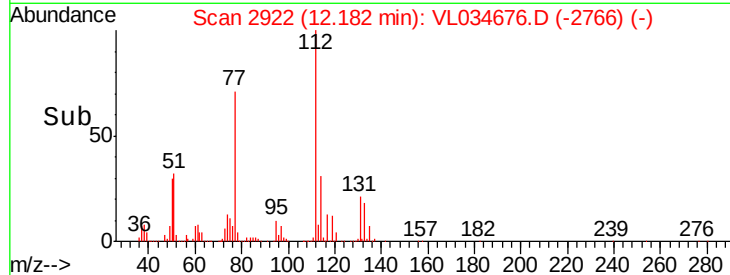
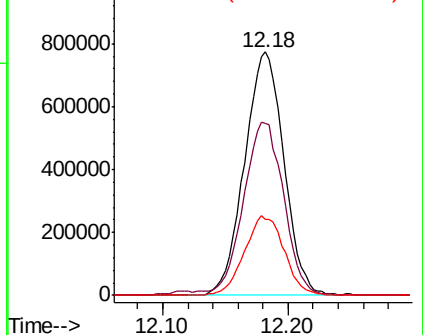
#57
Chlorobenzene
Concen: 6.781 ppbv
RT: 12.18 min Scan# 2922
Delta R.T. 0.00 min
Lab File: VL034676.D
Acq: 26 Feb 2020 2:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 112 Resp: 1690854
Ion Ratio Lower Upper
112 100
77 70.6 56.5 84.7
114 31.2 28.1 34.3

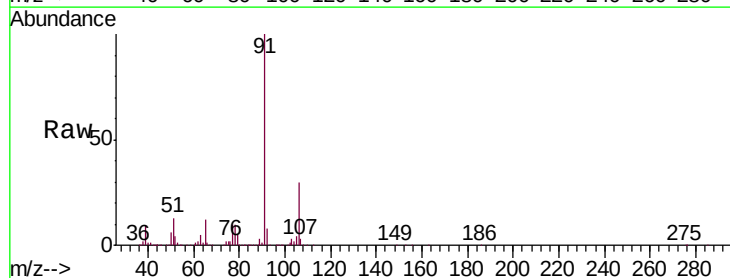


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

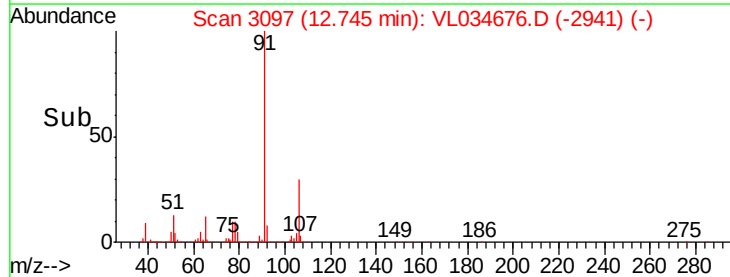
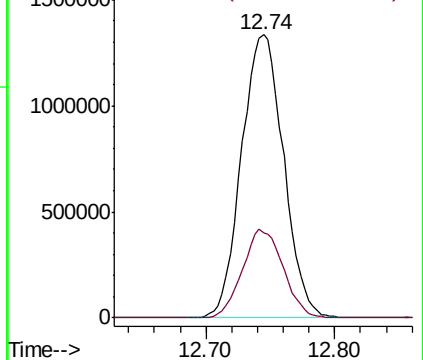


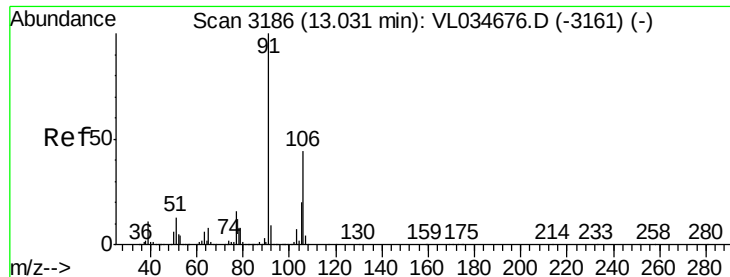
#58
Ethyl Benzene
Concen: 7.547 ppbv
RT: 12.74 min Scan# 3097
Delta R.T. 0.00 min
Lab File: VL034676.D
Acq: 26 Feb 2020 2:27

Tgt Ion: 91 Resp: 3029783
Ion Ratio Lower Upper
91 100
106 30.0 24.0 36.0



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V

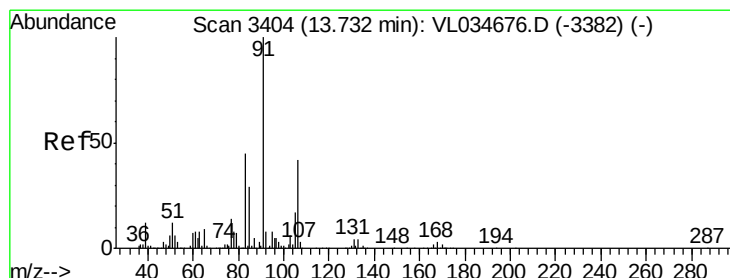
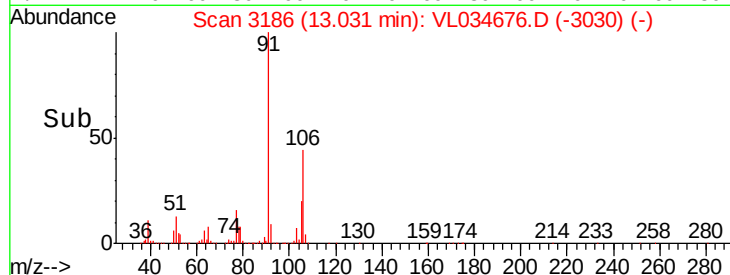
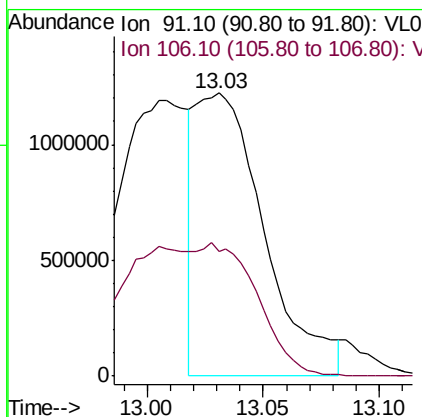
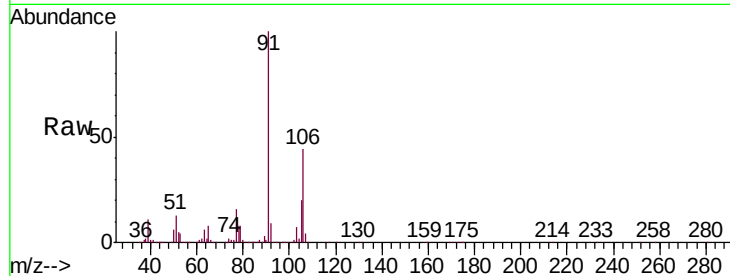




#59
m/p-Xylene
Concen: 7.093 ppbv
RT: 13.03 min Scan# 3186
Delta R.T. 0.00 min
Lab File: VL034676.D
Acq: 26 Feb 2020 2:27

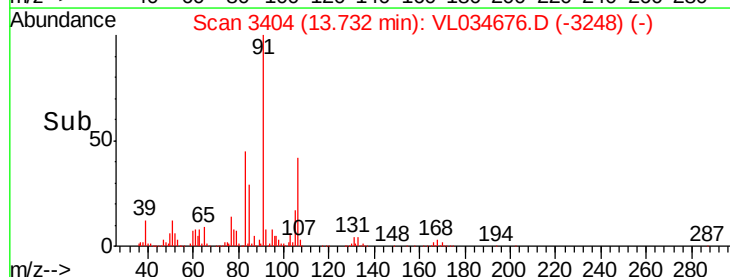
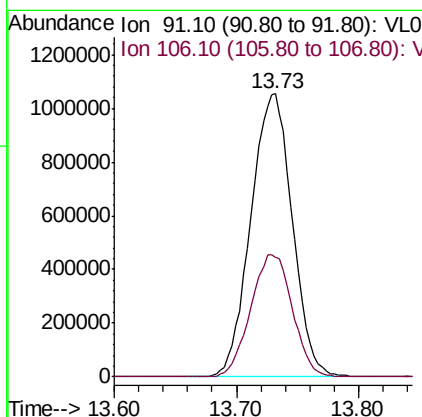
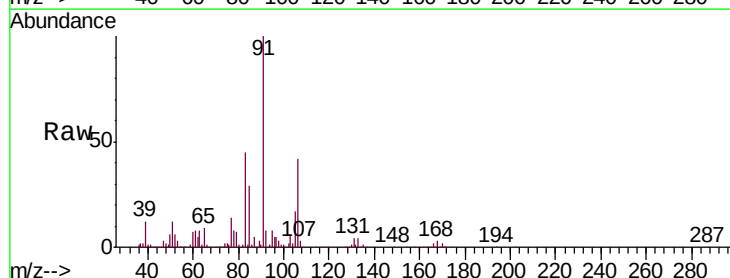
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

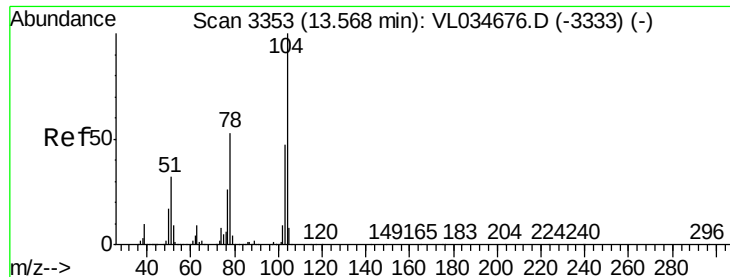
Tgt Ion: 91 Resp: 2498102
Ion Ratio Lower Upper
91 100
106 90.6 35.6 53.4#



#60
o-Xylene
Concen: 7.038 ppbv
RT: 13.73 min Scan# 3404
Delta R.T. 0.00 min
Lab File: VL034676.D
Acq: 26 Feb 2020 2:27

Tgt Ion: 91 Resp: 2476109
Ion Ratio Lower Upper
91 100
106 43.6 21.9 65.5





#61

Styrene

Concen: 7.515 ppbv

RT: 13.57 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VL034676.D

Acq: 26 Feb 2020 2:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

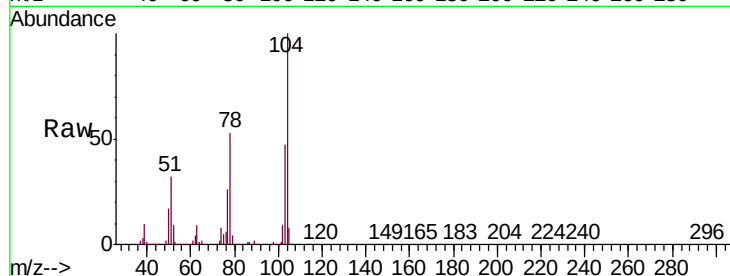
Tgt Ion:104 Resp: 1806565

Ion Ratio Lower Upper

104 100

78 55.3 44.2 66.4

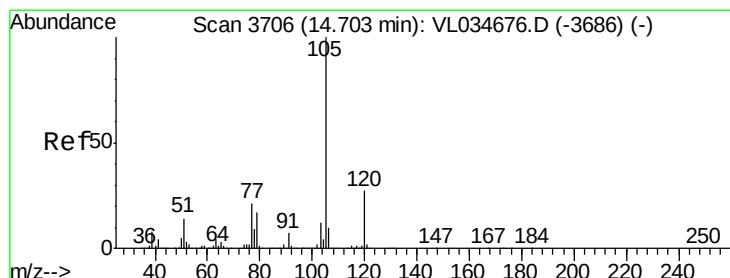
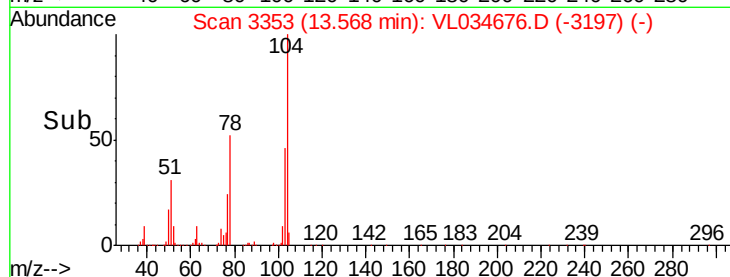
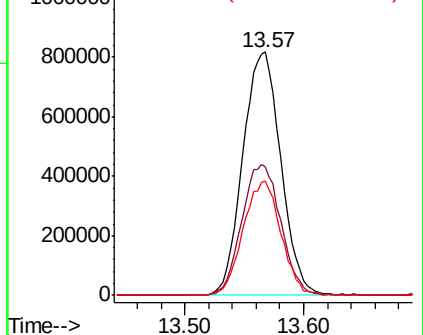
103 46.7 37.4 56.0



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: 7.734 ppbv

RT: 14.70 min Scan# 3706

Delta R.T. 0.00 min

Lab File: VL034676.D

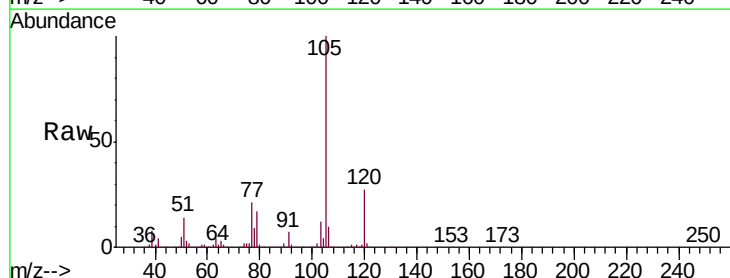
Acq: 26 Feb 2020 2:27

Tgt Ion:105 Resp: 3604792

Ion Ratio Lower Upper

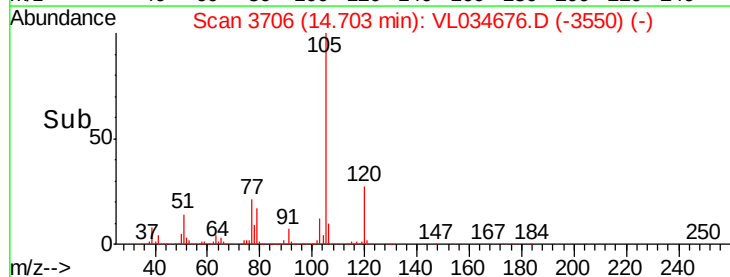
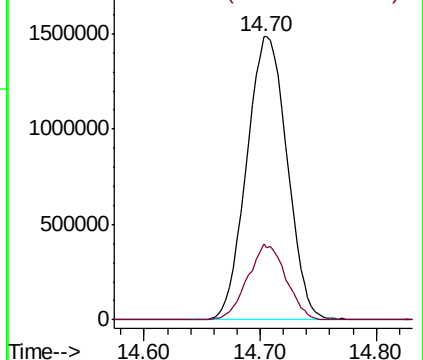
105 100

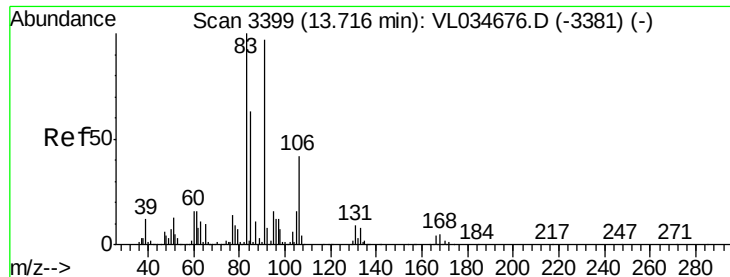
120 25.4 20.2 30.4



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: 6.316 ppbv

RT: 13.72 min Scan# 3399

Delta R.T. 0.00 min

Lab File: VL034676.D

Acq: 26 Feb 2020 2:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

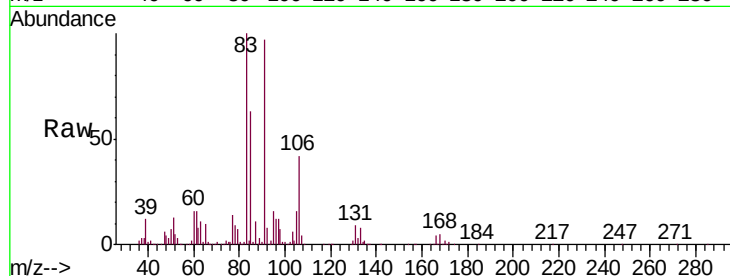
Tgt Ion: 83 Resp: 1764550

Ion Ratio Lower Upper

83 100

131 8.8 4.4 13.2

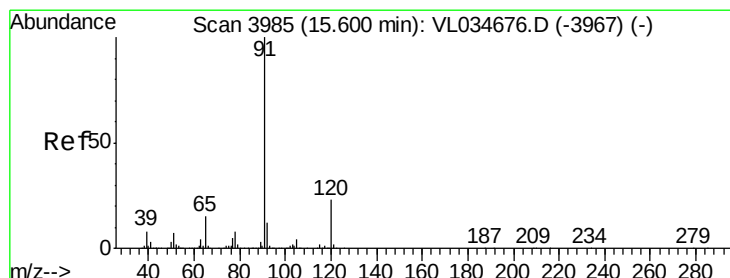
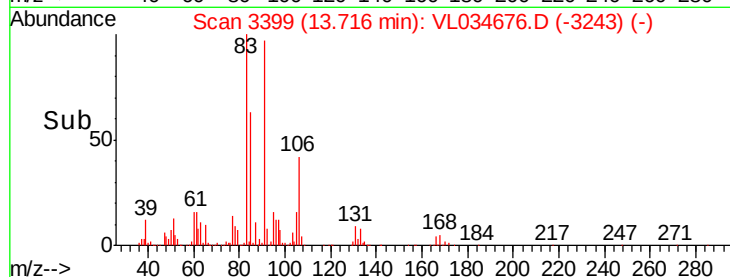
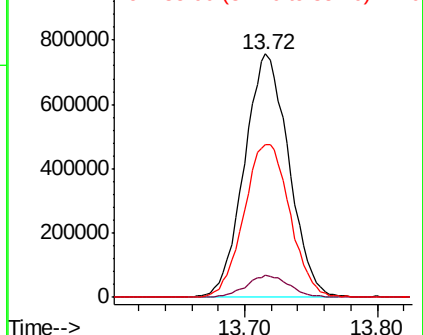
85 65.0 32.5 97.5



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: 8.091 ppbv

RT: 15.60 min Scan# 3985

Delta R.T. 0.00 min

Lab File: VL034676.D

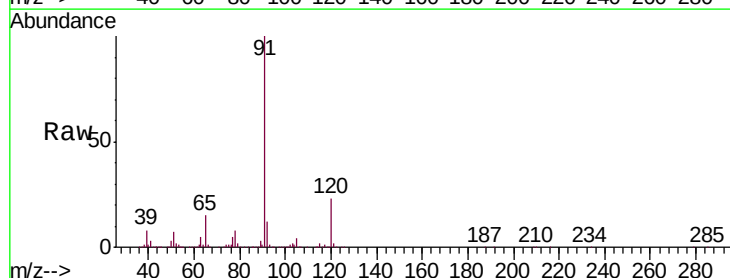
Acq: 26 Feb 2020 2:27

Tgt Ion: 120 Resp: 957100

Ion Ratio Lower Upper

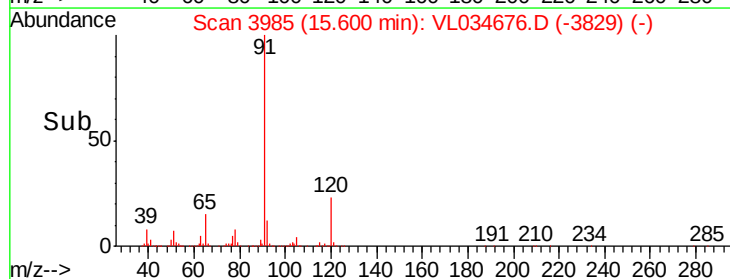
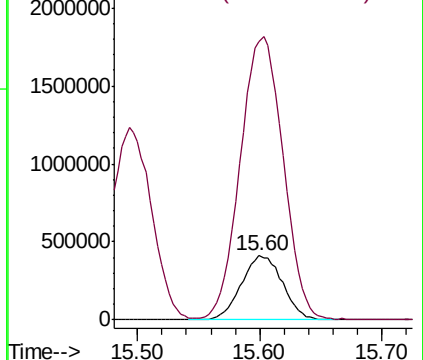
120 100

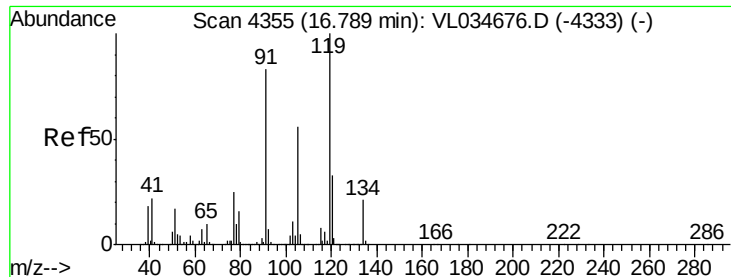
91 462.3 369.8 554.8



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0

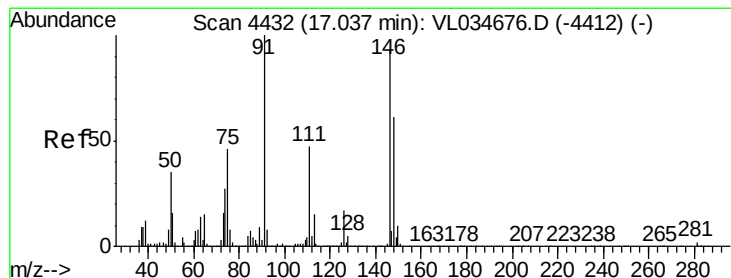
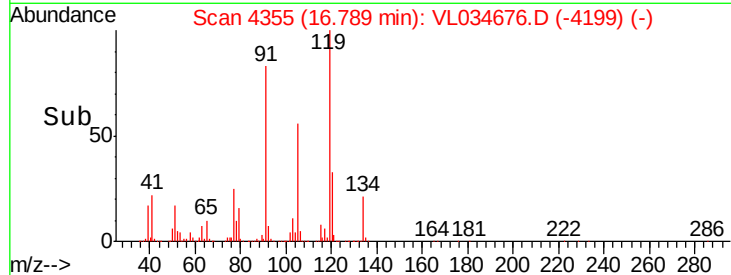
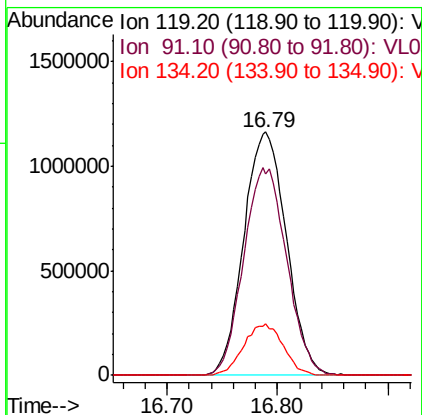
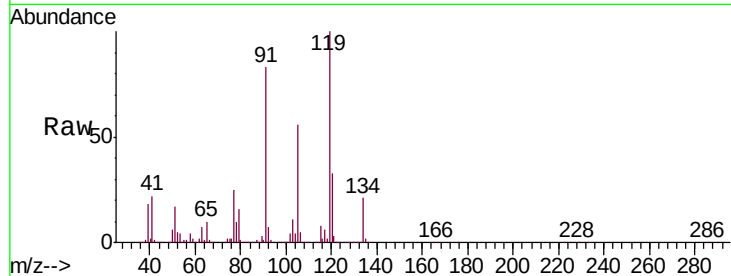




#65
 tert-Butylbenzene
 Concen: 7.670 ppbv
 RT: 16.79 min Scan# 4355
 Delta R.T. 0.00 min
 Lab File: VL034676.D
 Acq: 26 Feb 2020 2:27

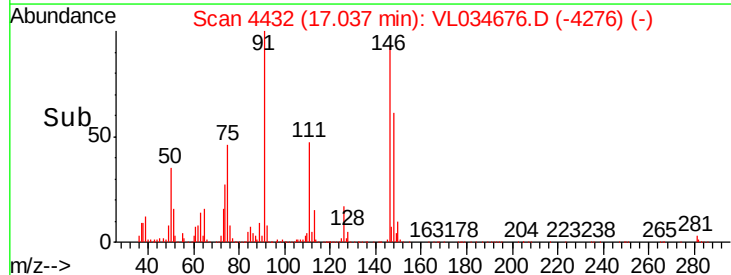
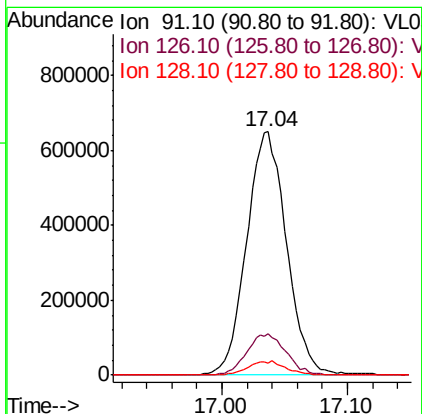
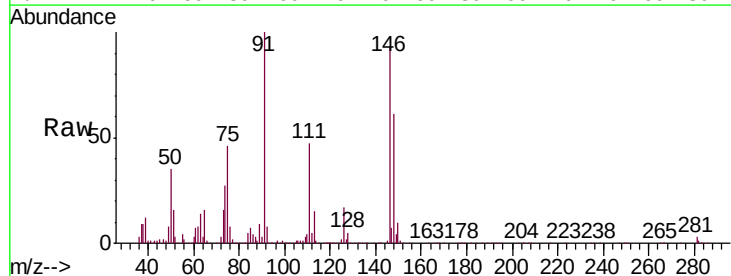
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

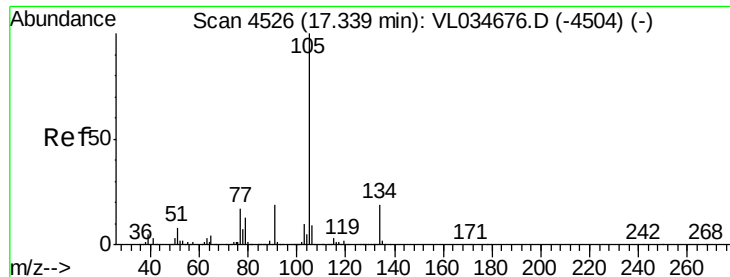
Tgt Ion: 119 Resp: 3116750
 Ion Ratio Lower Upper
 119 100
 91 86.5 69.1 103.7
 134 19.8 15.8 23.8



#66
 Benzyl Chloride
 Concen: 9.140 ppbv
 RT: 17.04 min Scan# 4432
 Delta R.T. 0.00 min
 Lab File: VL034676.D
 Acq: 26 Feb 2020 2:27

Tgt Ion: 91 Resp: 1433636
 Ion Ratio Lower Upper
 91 100
 126 16.9 13.5 20.3
 128 5.3 4.2 6.4





#67

sec-Butylbenzene

Concen: 7.644 ppbv

RT: 17.34 min Scan# 4526

Delta R.T. 0.00 min

Lab File: VL034676.D

Acq: 26 Feb 2020 2:27

Instrument :

MSVOA_L

ClientSampleId :

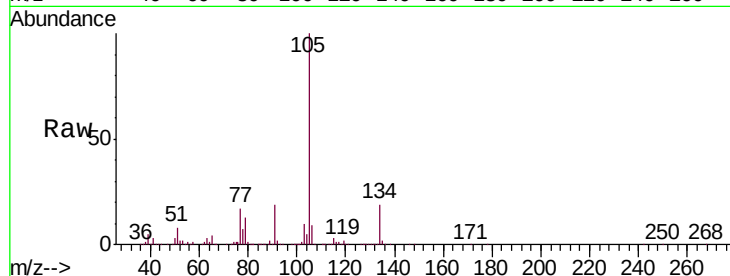
VSTDICCC010

Tgt Ion:105 Resp: 4436365

Ion Ratio Lower Upper

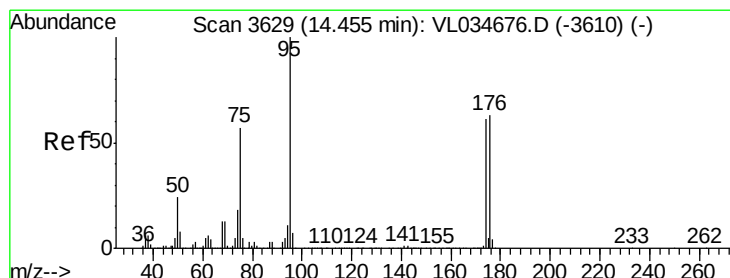
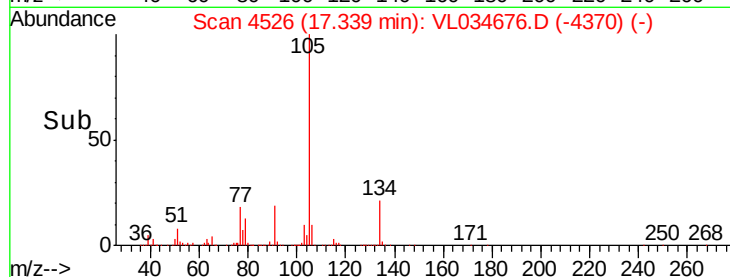
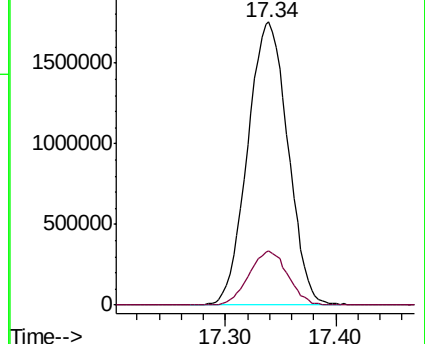
105 100

134 18.5 14.8 22.2



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: 8.169 ppbv

RT: 14.46 min Scan# 3629

Delta R.T. 0.00 min

Lab File: VL034676.D

Acq: 26 Feb 2020 2:27

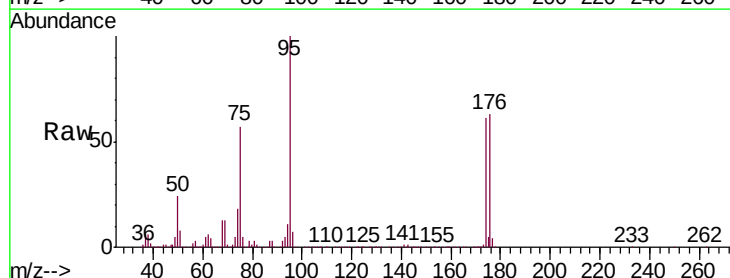
Tgt Ion: 95 Resp: 2023160

Ion Ratio Lower Upper

95 100

174 63.4 50.7 76.1

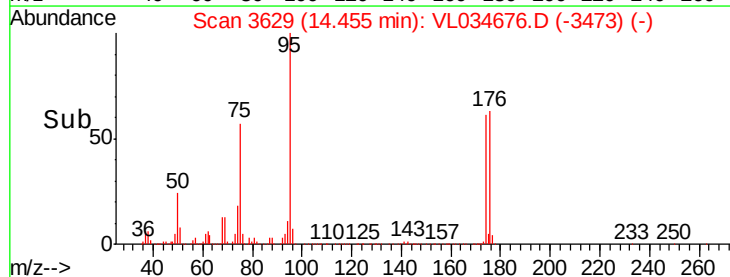
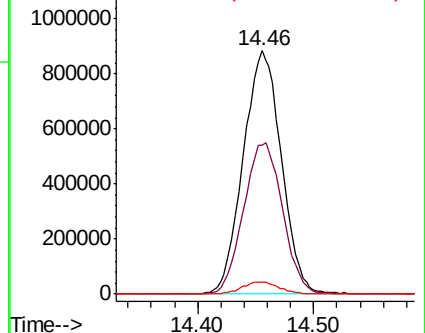
175 4.9 3.9 5.9

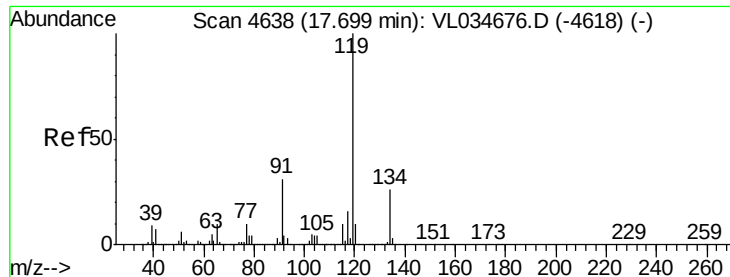


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

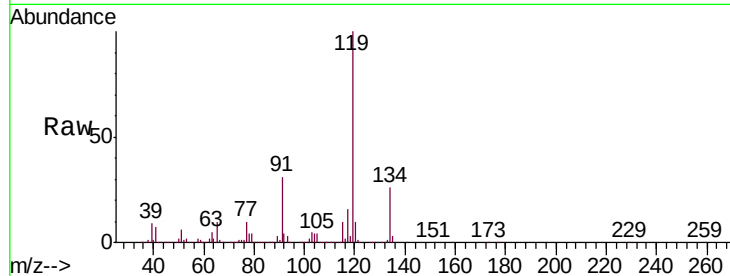




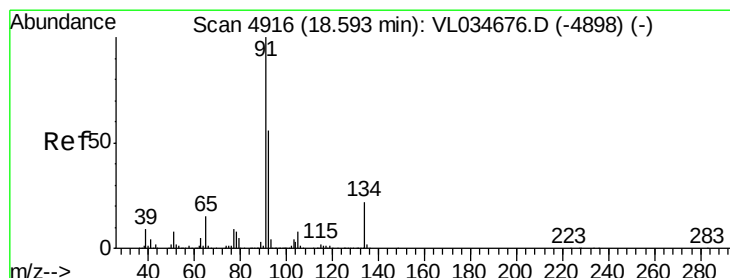
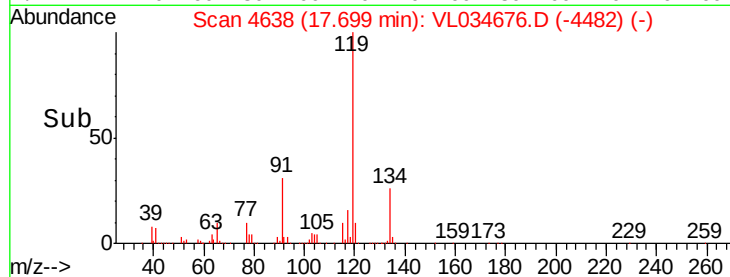
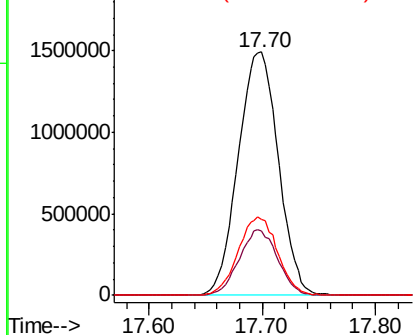
#69
 p-Isopropyltoluene
 Concen: 7.976 ppbv
 RT: 17.70 min Scan# 4638
 Delta R.T. 0.00 min
 Lab File: VL034676.D
 Acq: 26 Feb 2020 2:27

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tgt Ion: 119 Resp: 3679038
 Ion Ratio Lower Upper
 119 100
 134 25.9 20.6 31.0
 91 31.5 25.3 37.9

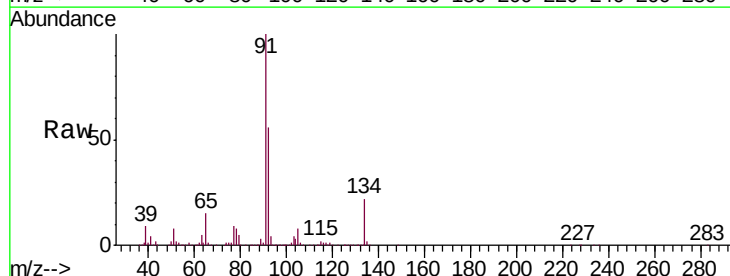


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

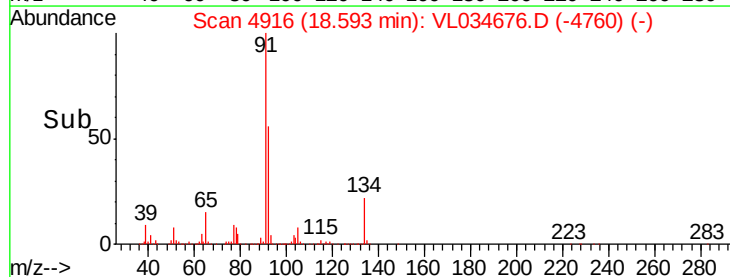
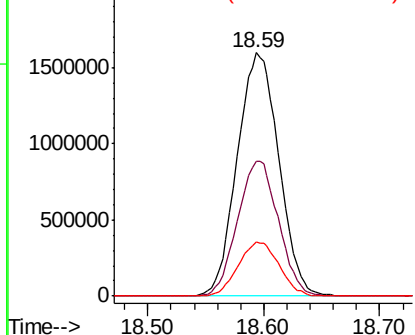


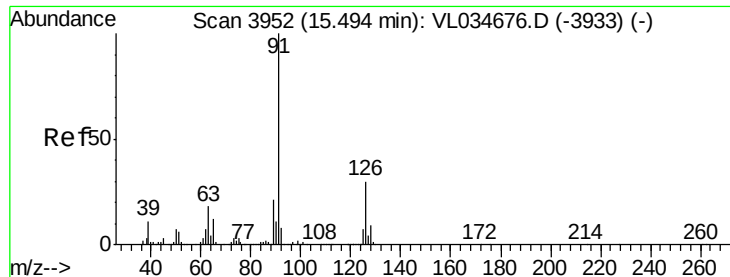
#70
 n-Butylbenzene
 Concen: 8.060 ppbv
 RT: 18.59 min Scan# 4916
 Delta R.T. 0.00 min
 Lab File: VL034676.D
 Acq: 26 Feb 2020 2:27

Tgt Ion: 91 Resp: 3979230
 Ion Ratio Lower Upper
 91 100
 92 54.7 43.8 65.6
 134 22.0 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

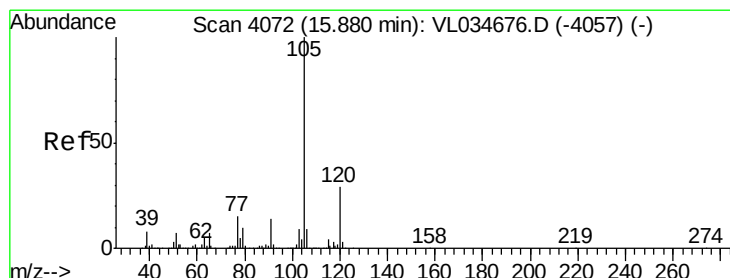
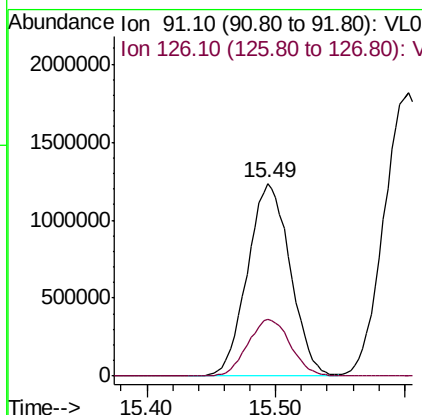
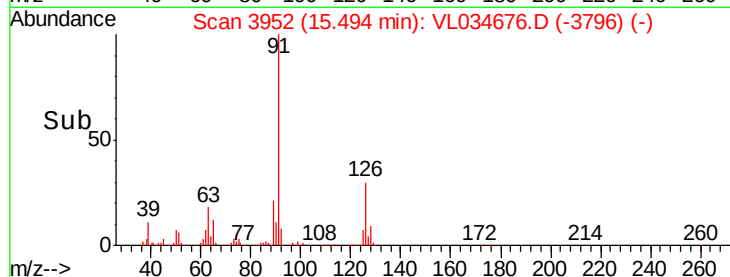
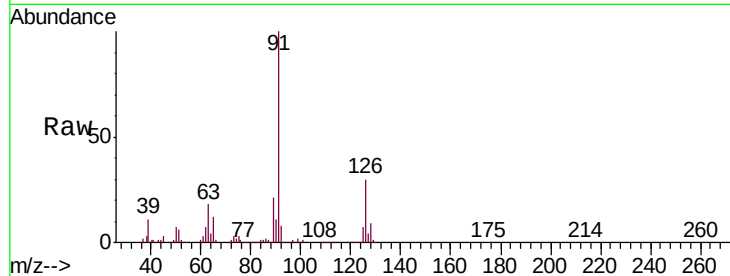




#71
2-Chlorotoluene
Concen: 7.977 ppbv
RT: 15.49 min Scan# 3952
Delta R.T. 0.00 min
Lab File: VL034676.D
Acq: 26 Feb 2020 2:27

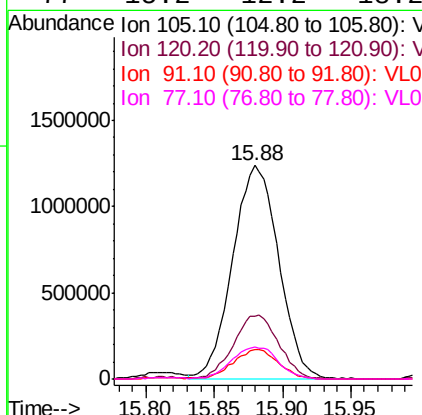
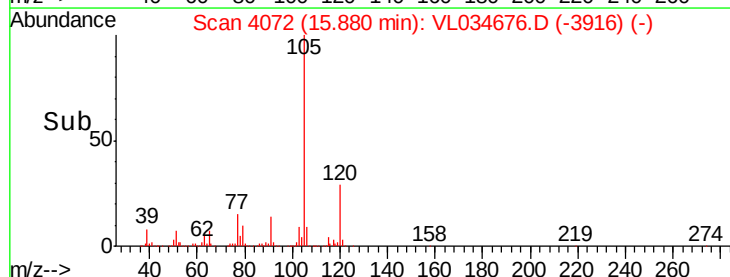
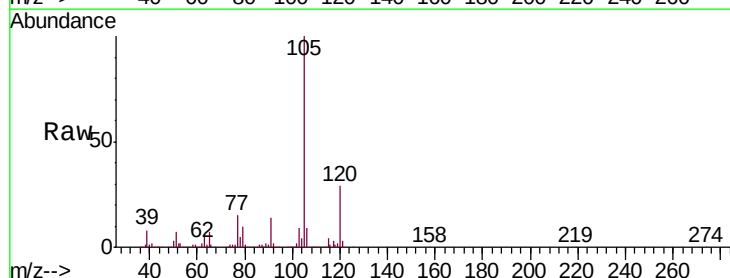
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

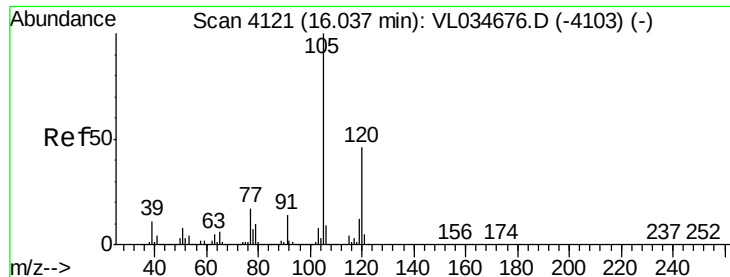
Tgt Ion: 91 Resp: 2850406
Ion Ratio Lower Upper
91 100
126 29.5 11.8 47.2



#72
4-Ethyltoluene
Concen: 7.452 ppbv
RT: 15.88 min Scan# 4072
Delta R.T. 0.00 min
Lab File: VL034676.D
Acq: 26 Feb 2020 2:27

Tgt Ion: 105 Resp: 2893467
Ion Ratio Lower Upper
105 100
120 29.6 23.7 35.5
91 13.6 10.9 16.3
77 15.2 12.2 18.2





#73

1,3,5-Trimethylbenzene

Concen: 7.413 ppbv

RT: 16.04 min Scan# 4121

Delta R.T. 0.00 min

Lab File: VL034676.D

Acq: 26 Feb 2020 2:27

Instrument :

MSVOA_L

ClientSampleId :

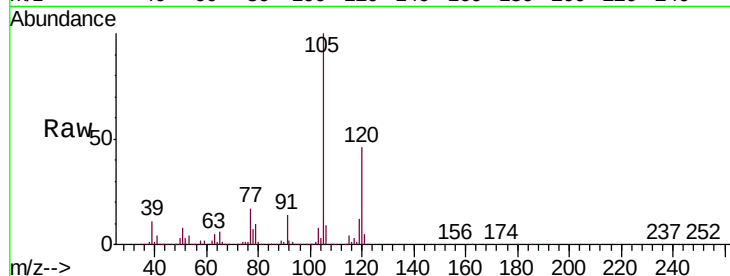
VSTDICCC010

Tgt Ion:105 Resp: 2729948

Ion Ratio Lower Upper

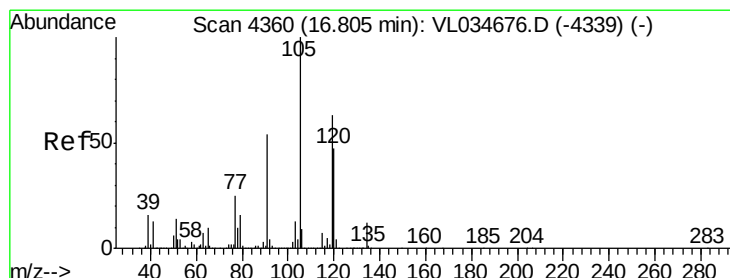
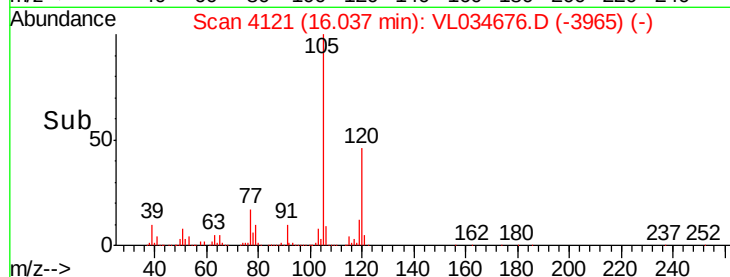
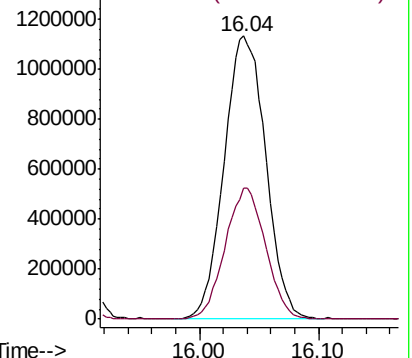
105 100

120 46.4 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: 7.044 ppbv

RT: 16.81 min Scan# 4360

Delta R.T. 0.00 min

Lab File: VL034676.D

Acq: 26 Feb 2020 2:27

Tgt Ion:105 Resp: 2795101

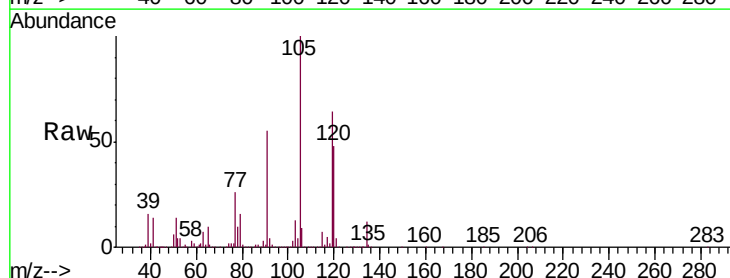
Ion Ratio Lower Upper

105 100

120 47.4 37.9 56.9

91 54.9 43.9 65.9

77 25.4 20.3 30.5

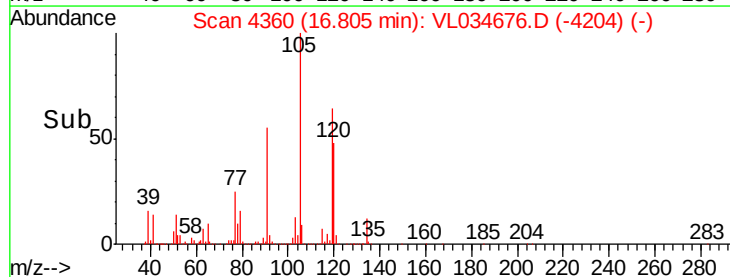
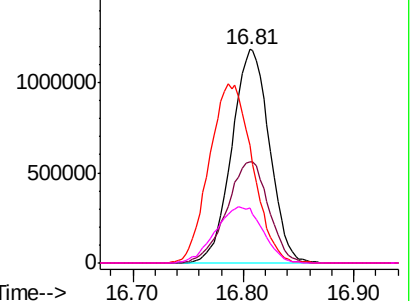


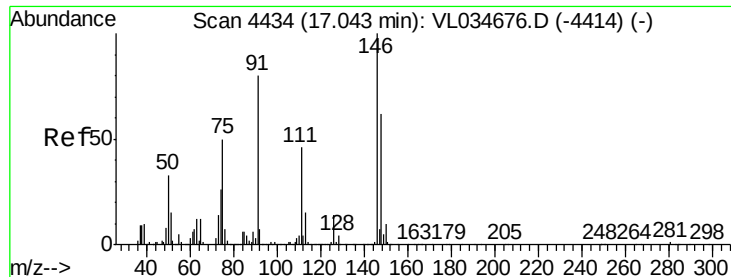
Abundance Ion 105.10 (104.80 to 105.80): V

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

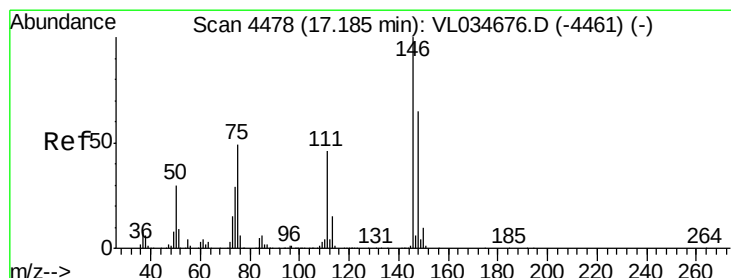
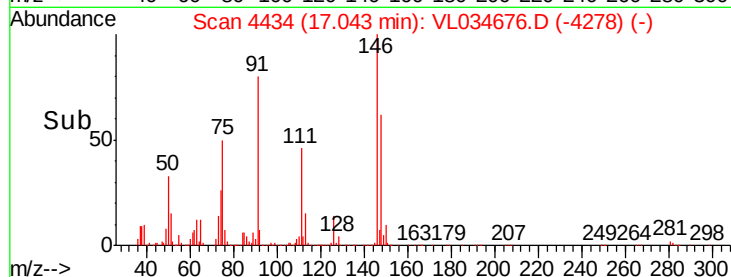
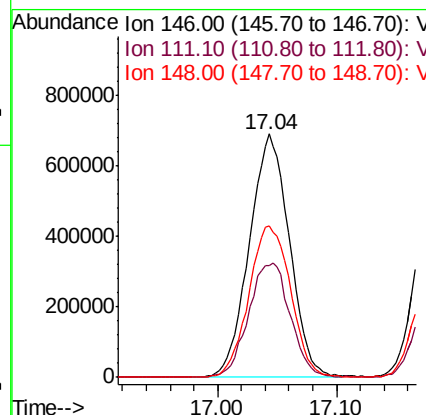
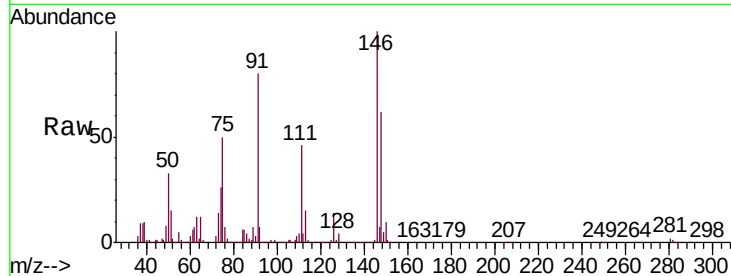




#75
 1,3-Dichlorobenzene
 Concen: 6.900 ppbv
 RT: 17.04 min Scan# 4434
 Delta R.T. 0.00 min
 Lab File: VL034676.D
 Acq: 26 Feb 2020 2:27

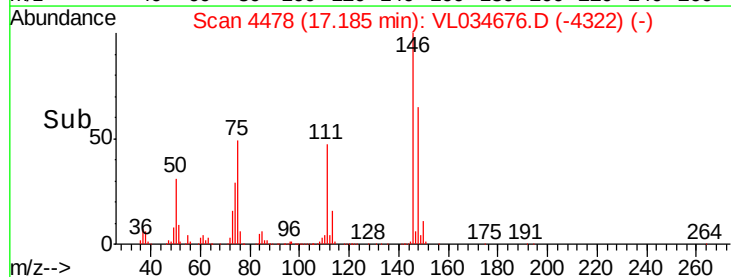
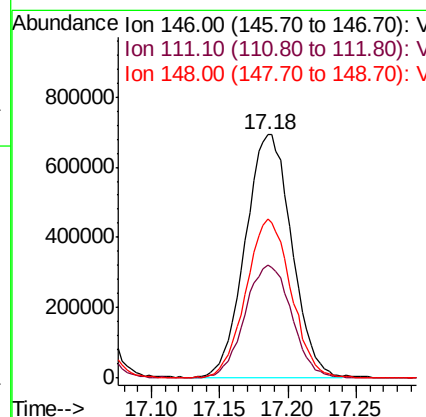
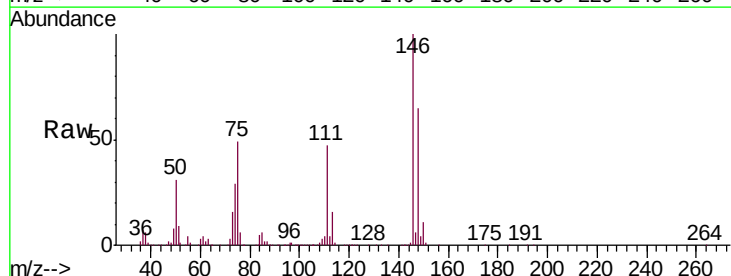
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

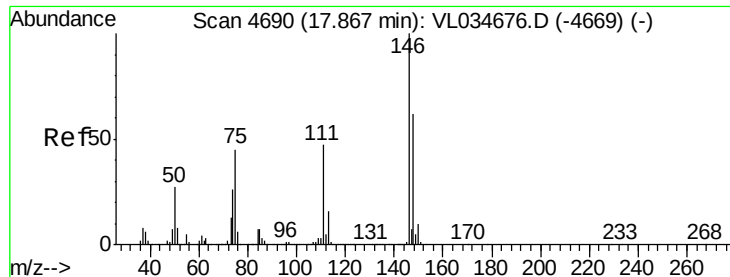
Tgt Ion:146 Resp: 1607343
 Ion Ratio Lower Upper
 146 100
 111 48.8 24.4 73.2
 148 65.0 32.5 97.4



#76
 1,4-Dichlorobenzene
 Concen: 7.132 ppbv
 RT: 17.18 min Scan# 4478
 Delta R.T. 0.00 min
 Lab File: VL034676.D
 Acq: 26 Feb 2020 2:27

Tgt Ion:146 Resp: 1639722
 Ion Ratio Lower Upper
 146 100
 111 46.8 23.4 70.0
 148 63.5 31.9 95.5

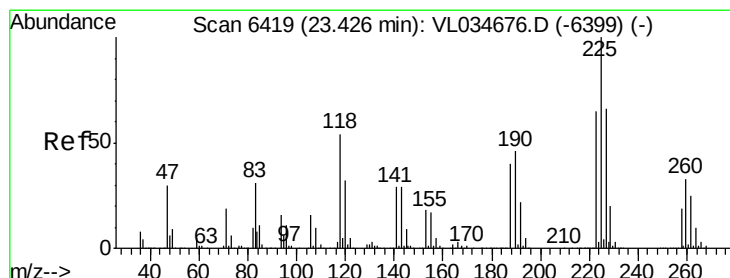
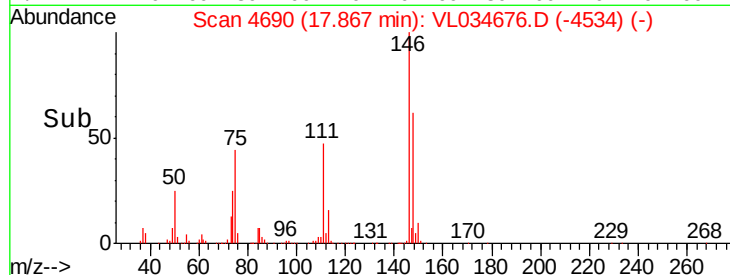
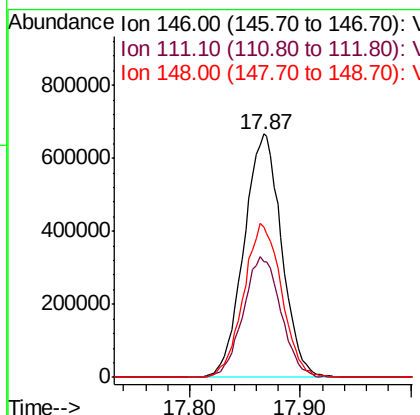
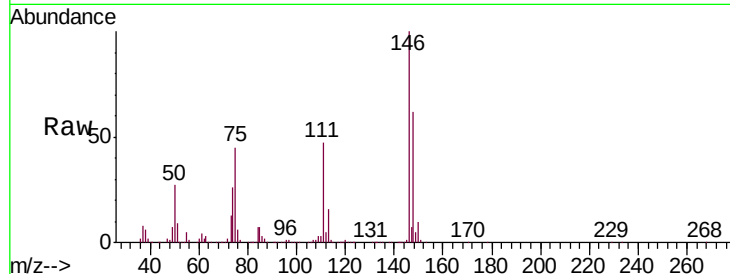




#77
 1,2-Dichlorobenzene
 Concen: 7.002 ppbv
 RT: 17.87 min Scan# 4690
 Delta R.T. 0.00 min
 Lab File: VL034676.D
 Acq: 26 Feb 2020 2:27

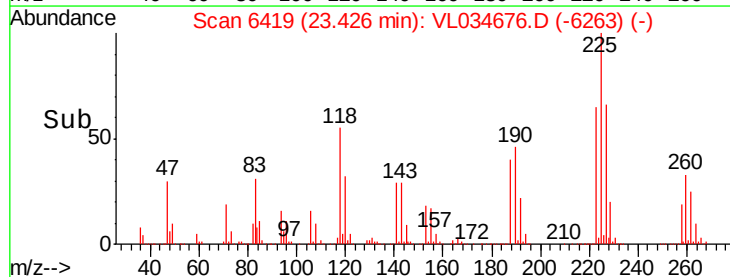
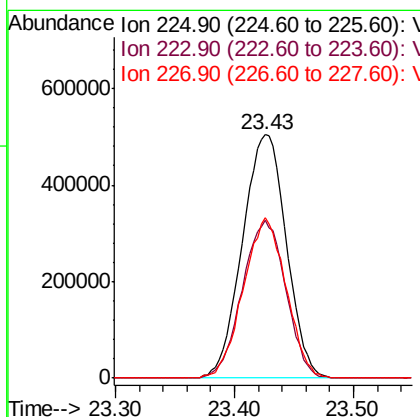
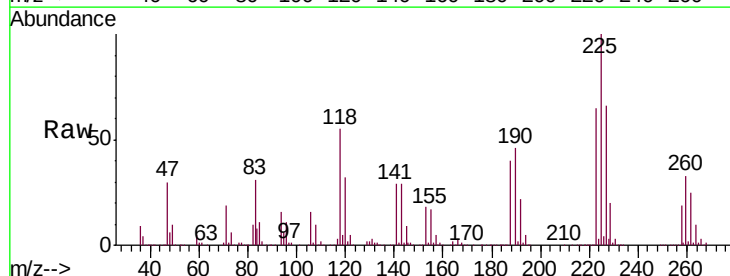
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

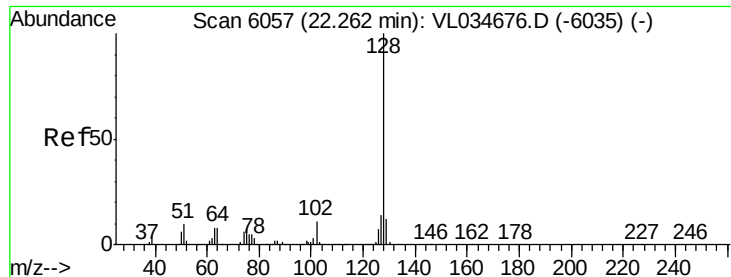
Tgt Ion:146 Resp: 1571245
 Ion Ratio Lower Upper
 146 100
 111 49.8 24.9 74.7
 148 64.0 32.0 96.0



#78
 Hexachloro-1,3-Butadiene
 Concen: 7.020 ppbv
 RT: 23.43 min Scan# 6419
 Delta R.T. 0.00 min
 Lab File: VL034676.D
 Acq: 26 Feb 2020 2:27

Tgt Ion:225 Resp: 1289723
 Ion Ratio Lower Upper
 225 100
 223 64.1 51.3 76.9
 227 64.1 51.3 76.9





#79

Naphthalene

Concen: 8.929 ppbv

RT: 22.26 min Scan# 6057

Delta R.T. 0.00 min

Lab File: VL034676.D

Acq: 26 Feb 2020 2:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

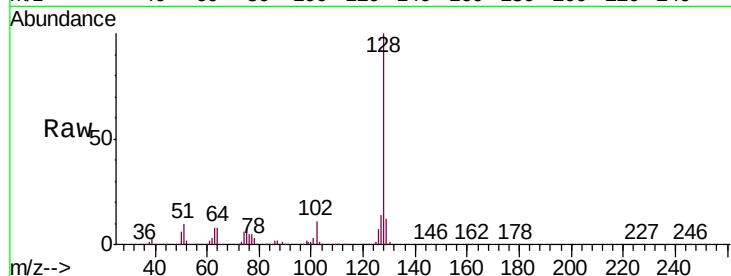
Tgt Ion:128 Resp: 2695722

Ion Ratio Lower Upper

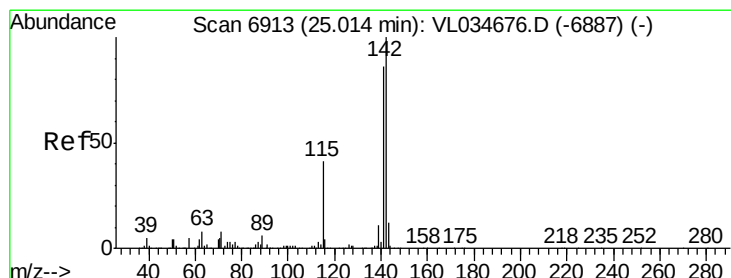
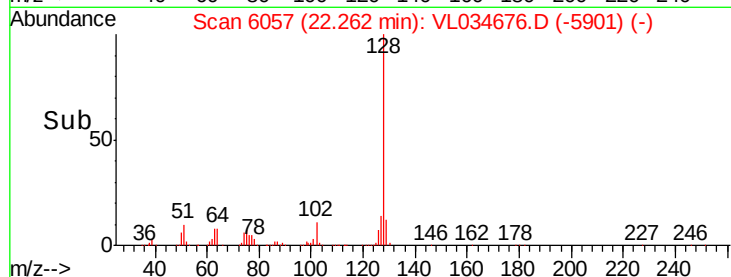
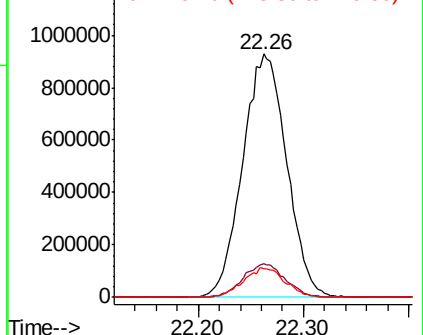
128 100

127 13.8 11.0 16.6

129 11.8 9.4 14.2



Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 11.505 ppbv

RT: 25.01 min Scan# 6913

Delta R.T. 0.00 min

Lab File: VL034676.D

Acq: 26 Feb 2020 2:27

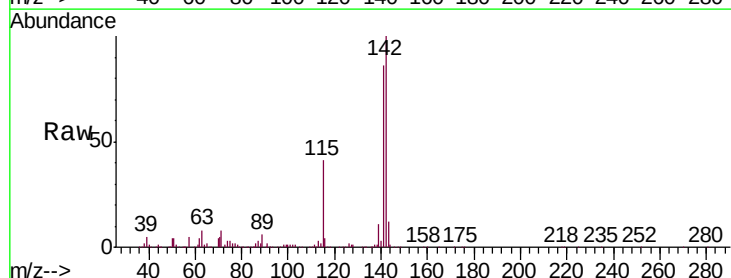
Tgt Ion:142 Resp: 732136

Ion Ratio Lower Upper

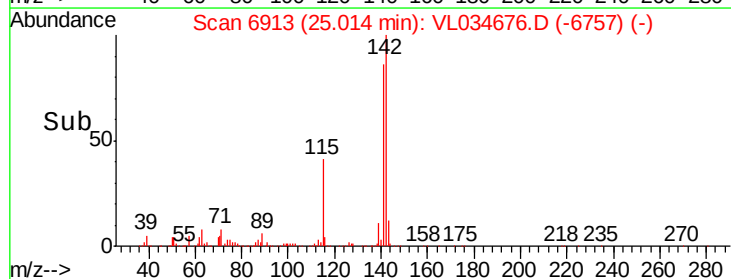
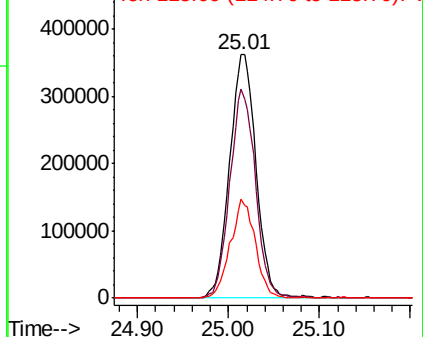
142 100

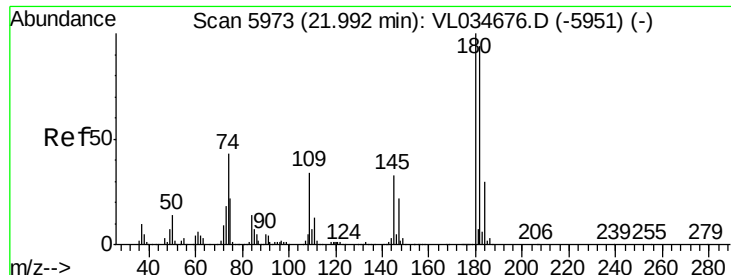
141 82.9 66.5 99.7

115 38.5 30.6 46.0



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

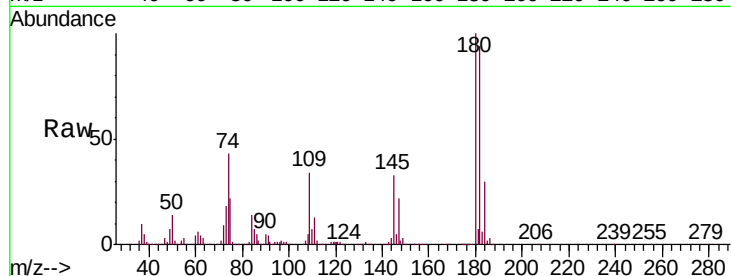




#81
 1,2,4-Trichlorobenzene
 Concen: 8.271 ppbv
 RT: 21.99 min Scan# 5973
 Delta R.T. 0.00 min
 Lab File: VL034676.D
 Acq: 26 Feb 2020 2:27

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tgt Ion:180 Resp: 1524881
 Ion Ratio Lower Upper
 180 100
 182 95.6 76.5 114.7
 184 31.5 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

