

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL092320\
 Data File : VL035704.D
 Acq On : 23 Sep 2020 3:21
 Operator : SY/AP
 Sample : VSTDICCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Quant Time: Sep 23 05:32:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL092320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 23 05:25:46 2020
 QLast Update : Wed Sep 23 05:25:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1221464	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	4696284	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	5884158	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	3570550	8.45	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	84.50%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.05	85	1798997	8.511	ppbv 100
3) Chlorodifluoromethane	2.99	51	1209411	9.061	ppbv 100
4) Chloromethane	3.14	50	661178	9.248	ppbv 100
5) Vinyl Chloride	3.26	62	787615	8.879	ppbv 100
6) Bromomethane	3.47	94	674350	9.143	ppbv 100
7) Chloroethane	3.56	64	292429	9.366	ppbv 100
8) Dichlorotetrafluoroethane	3.19	85	2230067	8.806	ppbv 100
9) Propene	3.01	41	465958	9.066	ppbv 100
10) Heptane	8.14	43	1415183	10.085	ppbv 100
11) Trichlorofluoromethane	3.95	101	2681268	8.803	ppbv 100
12) 1,1,2-Trichlorotrifluoroet	4.49	101	2036116	8.875	ppbv 100
13) Ethanol	3.61	45	110138	8.637	ppbv 100
14) Bromoethene	3.74	108	889113	9.064	ppbv 100
15) Acetone	3.85	43	1101471	8.308	ppbv 100
16) 1,3-Butadiene	3.33	39	488896	9.793	ppbv 100
17) tert-Butyl alcohol	4.30	59	1444082	9.045	ppbv 100
18) 1,1-Dichloroethene	4.29	96	936504	9.278	ppbv 100
19) Isopropyl Alcohol	3.98	45	709878	9.096	ppbv 100
20) Methylene Chloride	4.35	84	783192	7.844	ppbv 100
21) Allyl Chloride	4.42	41	653790	10.418	ppbv 100
22) trans-1,2-Dichloroethene	4.89	96	988678	9.186	ppbv 100
23) Vinyl Acetate	5.08	43	1683546	9.852	ppbv 100
24) 1,1-Dichloroethane	5.02	63	1662914	9.396	ppbv 100
25) Ethyl Acetate	5.69	43	2285929	9.578	ppbv 100
26) Hexane	5.70	57	1277049	9.469	ppbv 100
27) Carbon Disulfide	4.56	76	2081285	10.815	ppbv 100
28) Methyl tert-Butyl Ether	5.04	73	2108264	9.192	ppbv 100
29) Chloroform	5.77	83	2530220	9.284	ppbv 100
30) Cyclohexane	7.15	84	1388117	9.764	ppbv 100
31) cis-1,2-Dichloroethene	5.56	61	1318452	9.639	ppbv 100
32) 1,1,1-Trichloroethane	6.53	97	2435247	9.240	ppbv 100
34) 2-Butanone	5.25	43	1559356	10.912	ppbv 100
35) Carbon Tetrachloride	7.03	117	2540915	10.706	ppbv 100
36) Benzene	6.91	78	3152755	10.262	ppbv 100
37) 1,2-Dichloroethane	6.32	62	1548567	10.471	ppbv 100
38) Trichloroethene	7.85	130	1601867	9.080	ppbv 100
39) 1,2-Dichloropropane	7.63	63	1094127	10.472	ppbv 100
40) 1,4-Dioxane	7.84	88	531061	10.424	ppbv 100
41) Tetrahydrofuran	6.06	42	870707	11.507	ppbv 100
42) Bromodichloromethane	7.81	83	2655430	11.133	ppbv 100
43) Methyl Methacrylate	8.03	69	1358031	11.340	ppbv 100

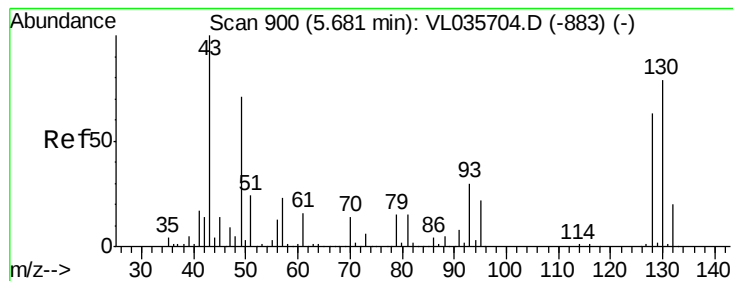
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL092320\
 Data File : VL035704.D
 Acq On : 23 Sep 2020 3:21
 Operator : SY/AP
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Quant Time: Sep 23 05:32:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL092320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 23 05:25:46 2020
 QLast Update : Wed Sep 23 05:25:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	4325675	10.560	ppbv	100
45) t-1,3-Dichloropropene	9.30	75	1514152	12.522	ppbv	100
46) cis-1,3-Dichloropropene	8.72	75	1801562	11.991	ppbv	100
47) 1,1,2-Trichloroethane	9.50	97	1556624	10.176	ppbv	100
48) Dibromochloromethane	10.33	129	2640923	11.061	ppbv	100
49) Bromoform	13.07	173	2349486	11.049	ppbv	100
50) 4-Methyl-2-Pentanone	8.76	43	2348199	11.310	ppbv	100
51) 2-Hexanone	10.15	43	2003172	11.795	ppbv	100
52) Tetrachloroethene	11.25	164	1489213	8.513	ppbv	100
53) Toluene	9.83	91	3989552	10.361	ppbv	100
54) 1,2-Dibromoethane	10.64	107	2453614	10.191	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.16	131	2027930	8.390	ppbv	98
57) Chlorobenzene	12.18	112	3395159	7.735	ppbv	100
58) Ethyl Benzene	12.74	91	5197470	8.411	ppbv	100
59) m/p-Xylene	13.02	91	4633779	8.916	ppbv #	35
60) o-Xylene	13.72	91	4413352	8.444	ppbv	100
61) Styrene	13.55	104	3443455	8.724	ppbv	100
62) Isopropylbenzene	14.70	105	6557498	7.878	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.71	83	3248851	8.032	ppbv	100
64) n-propylbenzene	15.59	120	2038869	8.090	ppbv	100
65) tert-Butylbenzene	16.78	119	6102515	7.921	ppbv	100
66) Benzyl Chloride	17.02	91	2368310	11.975	ppbv	100
67) sec-Butylbenzene	17.33	105	8142435	7.887	ppbv	100
69) p-Isopropyltoluene	17.69	119	6932326	7.724	ppbv	100
70) n-Butylbenzene	18.59	91	7018194	8.041	ppbv	100
71) 2-Chlorotoluene	15.49	91	5083590	8.351	ppbv	100
72) 4-Ethyltoluene	15.87	105	5433355	8.263	ppbv	100
73) 1,3,5-Trimethylbenzene	16.03	105	5031873	8.265	ppbv	100
74) 1,2,4-Trimethylbenzene	16.80	105	5300523	7.920	ppbv	100
75) 1,3-Dichlorobenzene	17.03	146	3509797	7.223	ppbv	100
76) 1,4-Dichlorobenzene	17.17	146	3561166	7.430	ppbv	100
77) 1,2-Dichlorobenzene	17.85	146	3437867	7.307	ppbv	100
78) Hexachloro-1,3-Butadiene	23.41	225	1924960	6.539	ppbv	100
79) Naphthalene	22.25	128	5517860	7.679	ppbv	100
80) Naphthalene, 2-methyl-	25.00	142	1796809	7.683	ppbv	100
81) 1,2,4-Trichlorobenzene	21.97	180	2777951	6.593	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 900

Delta R.T. 0.00 min

Lab File: VL035704.D

Acq: 23 Sep 2020 3:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

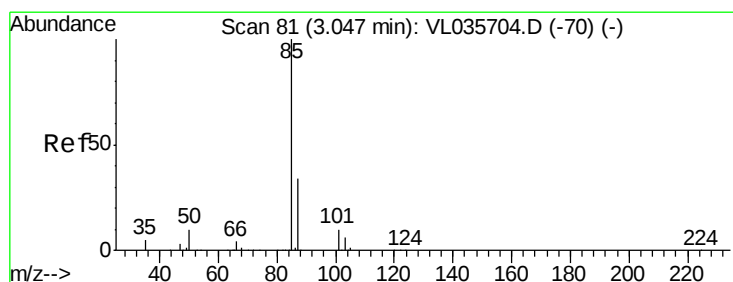
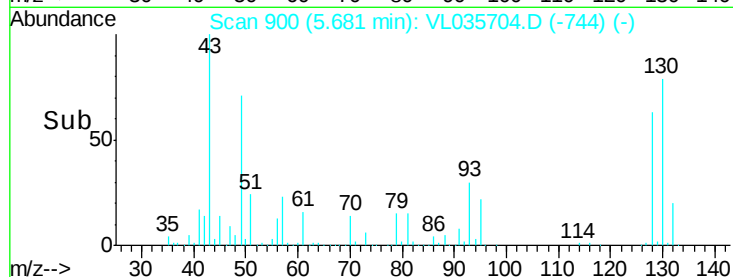
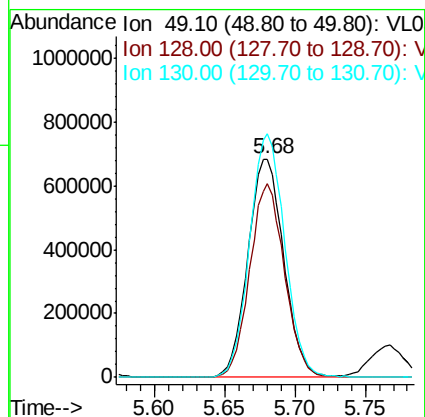
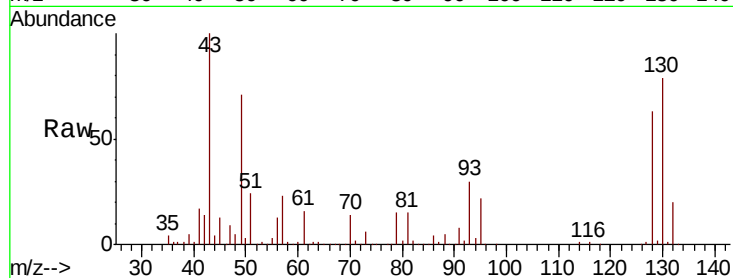
Tot Ion: 49 Resp: 1221464

Ion Ratio Lower Upper

49 100

128 86.3 43.1 129.4

130 109.8 54.9 164.7



#2

Dichlorodifluoromethane

Concen: 8.511 ppbv

RT: 3.05 min Scan# 81

Delta R.T. 0.00 min

Lab File: VL035704.D

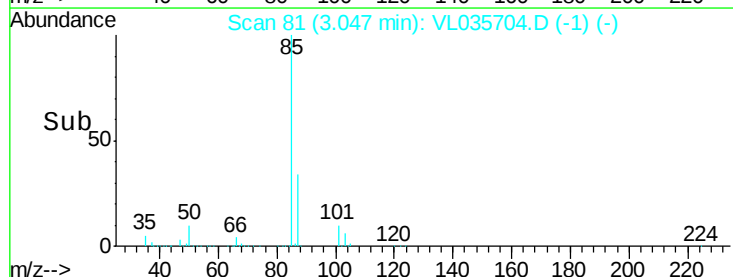
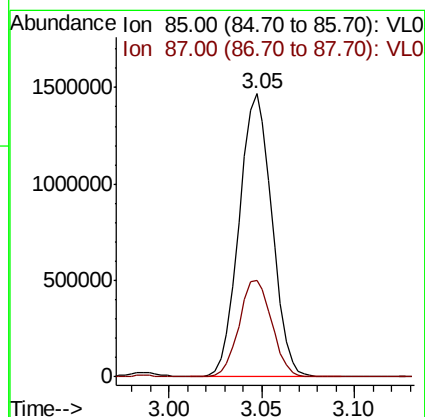
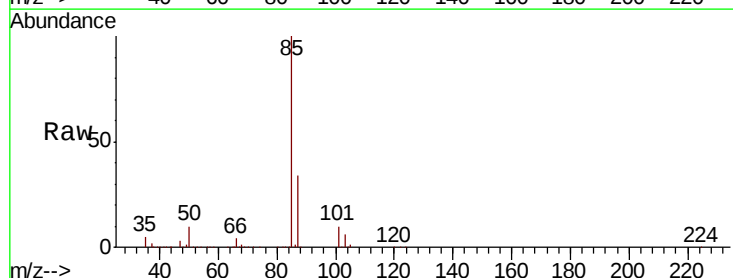
Acq: 23 Sep 2020 3:21

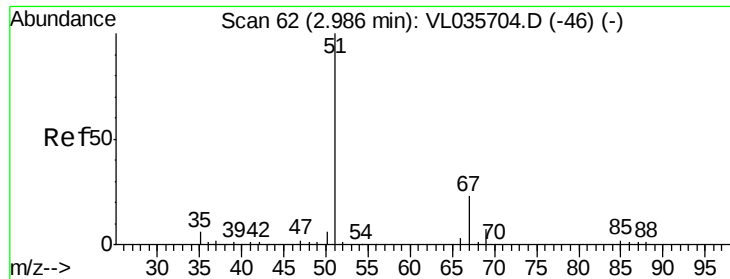
Tgt Ion: 85 Resp: 1798997

Ion Ratio Lower Upper

85 100

87 34.1 27.3 40.9





#3

Chlorodifluoromethane

Concen: 9.061 ppbv

RT: 2.99 min Scan# 62

Delta R.T. 0.00 min

Lab File: VL035704.D

Acq: 23 Sep 2020 3:21

Instrument :

MSVOA_L

ClientSampleId :

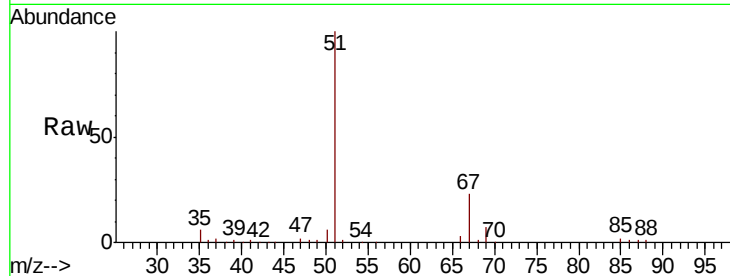
VSTDICCC010

Tot Ion: 51 Resp: 1209411

Ion Ratio Lower Upper

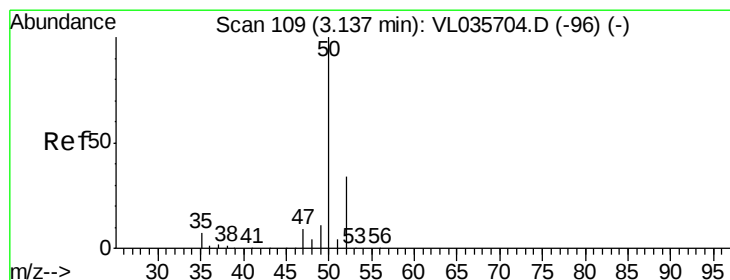
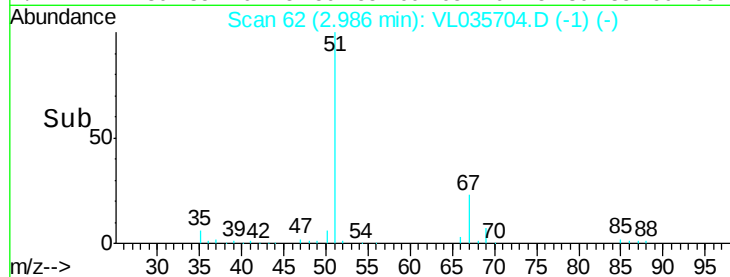
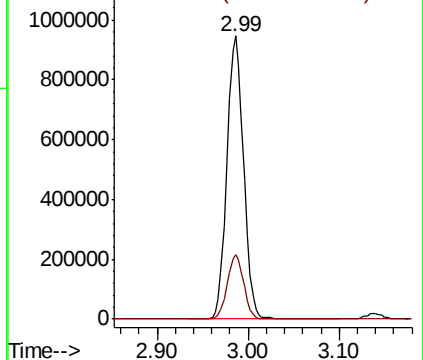
51 100

67 22.3 17.8 26.8



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.248 ppbv

RT: 3.14 min Scan# 109

Delta R.T. 0.00 min

Lab File: VL035704.D

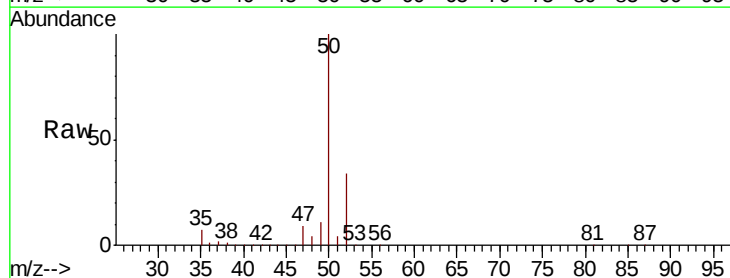
Acq: 23 Sep 2020 3:21

Tgt Ion: 50 Resp: 661178

Ion Ratio Lower Upper

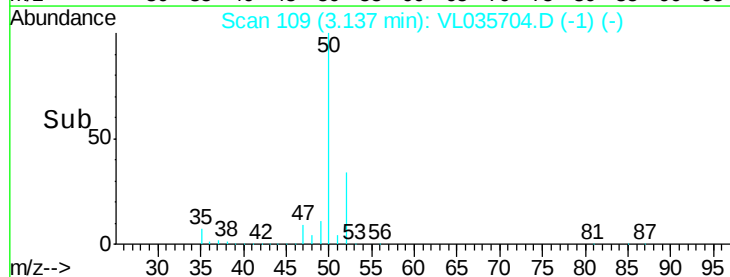
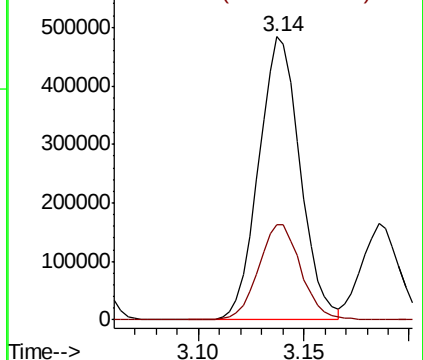
50 100

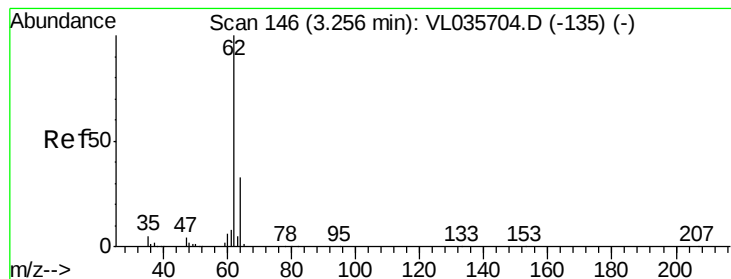
52 33.5 26.8 40.2



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 8.879 ppbv

RT: 3.26 min Scan# 146

Delta R.T. 0.00 min

Lab File: VL035704.D

Acq: 23 Sep 2020 3:21

Instrument :

MSVOA_L

ClientSampleId :

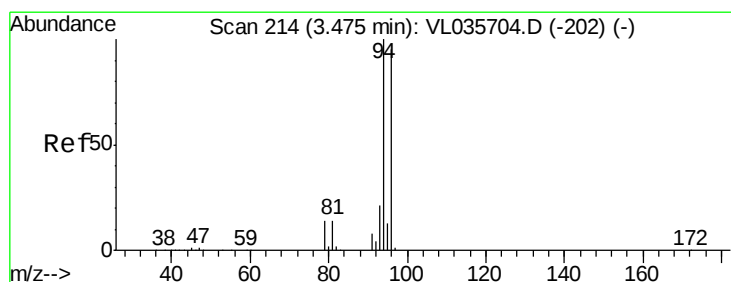
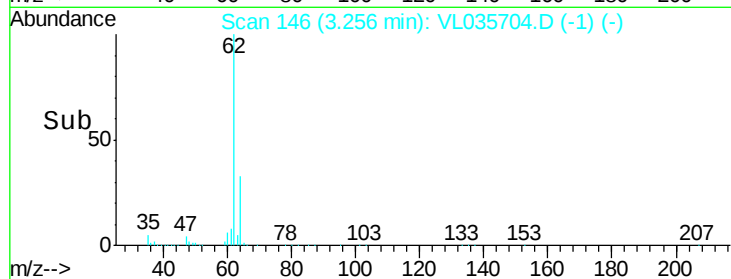
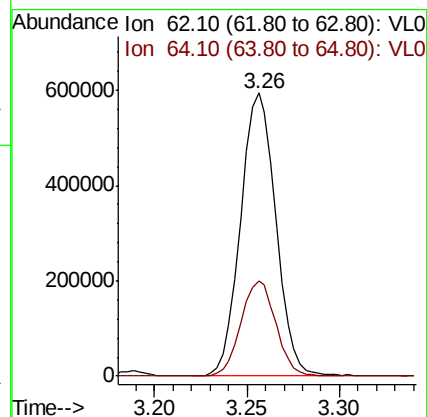
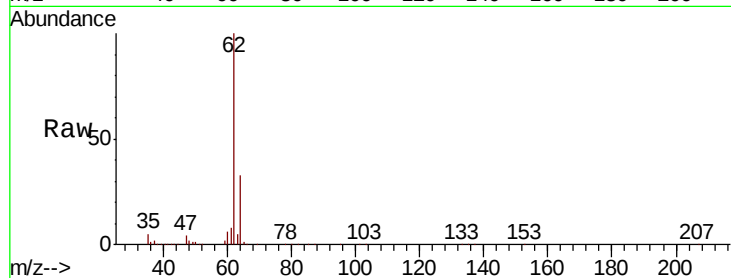
VSTDICCC010

Tot Ion: 62 Resp: 787615

Ion Ratio Lower Upper

62 100

64 33.5 26.8 40.2



#6

Bromomethane

Concen: 9.143 ppbv

RT: 3.47 min Scan# 214

Delta R.T. 0.00 min

Lab File: VL035704.D

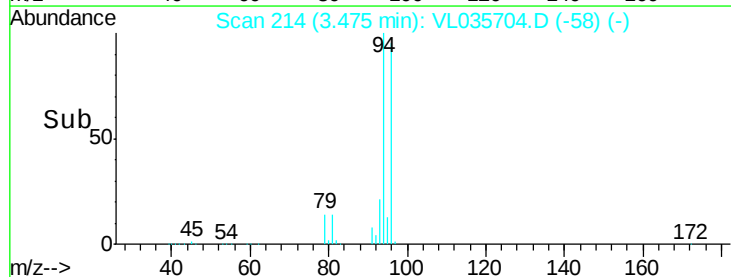
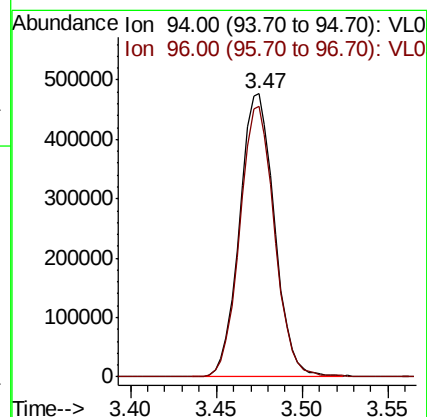
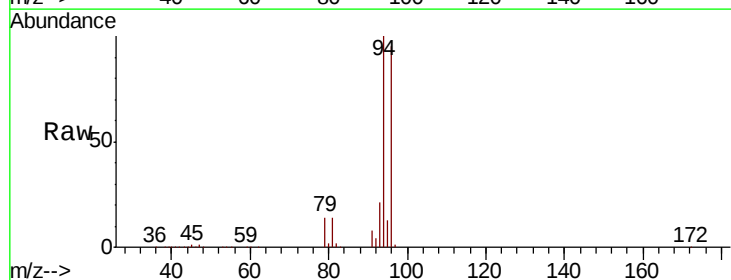
Acq: 23 Sep 2020 3:21

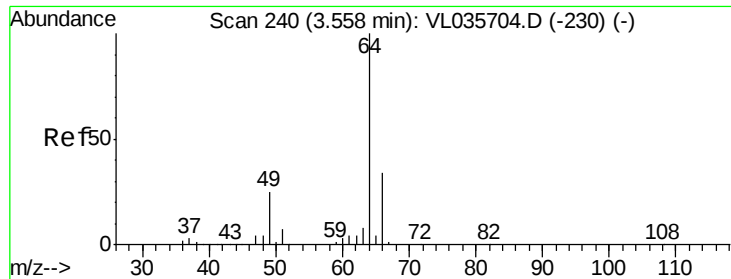
Tgt Ion: 94 Resp: 674350

Ion Ratio Lower Upper

94 100

96 95.4 76.3 114.5





#7

Chloroethane

Concen: 9.366 ppbv

RT: 3.56 min Scan# 240

Delta R.T. 0.00 min

Lab File: VL035704.D

Acq: 23 Sep 2020 3:21

Instrument :

MSVOA_L

ClientSampleId :

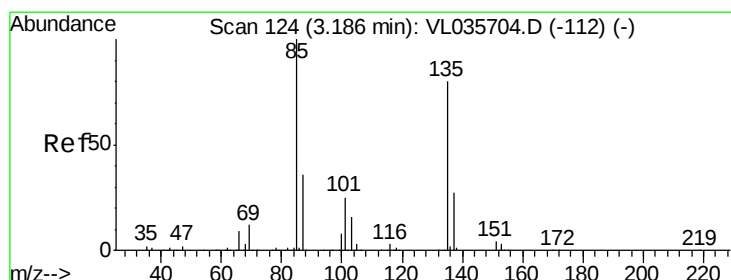
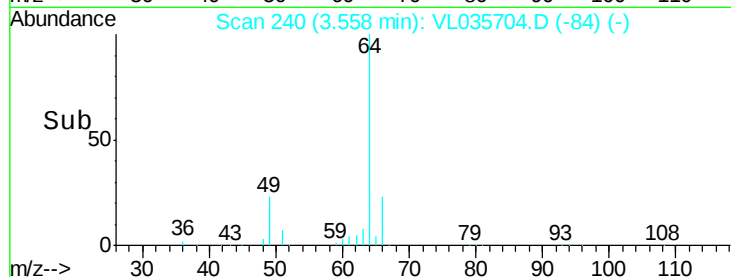
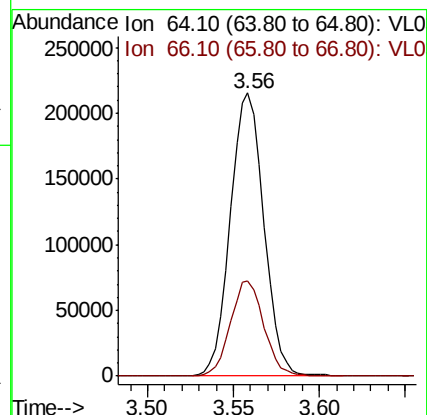
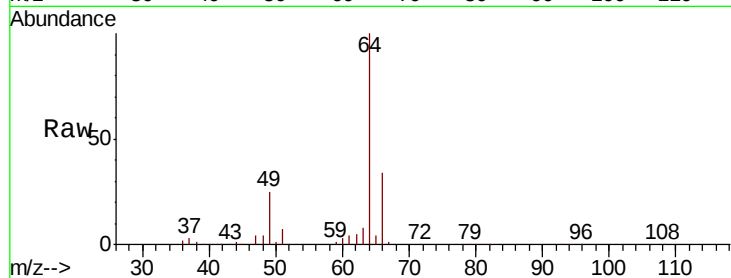
VSTDICCC010

Tot Ion: 64 Resp: 292429

Ion Ratio Lower Upper

64 100

66 33.6 26.9 40.3



#8

Dichlorotetrafluoroethane

Concen: 8.806 ppbv

RT: 3.19 min Scan# 124

Delta R.T. 0.00 min

Lab File: VL035704.D

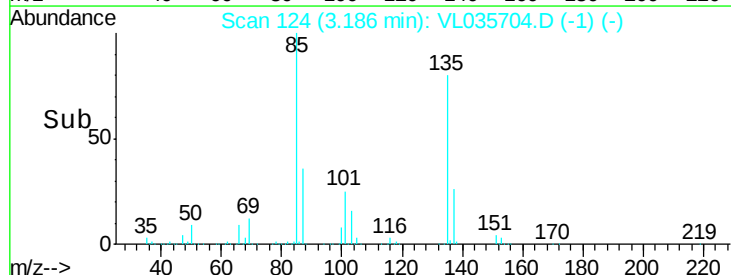
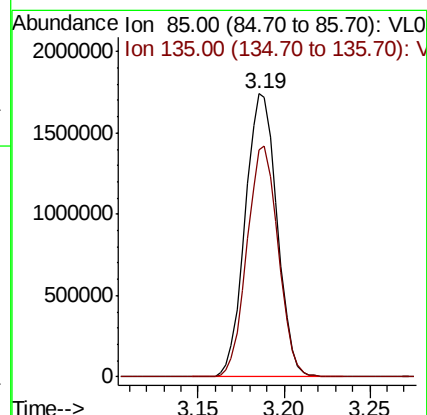
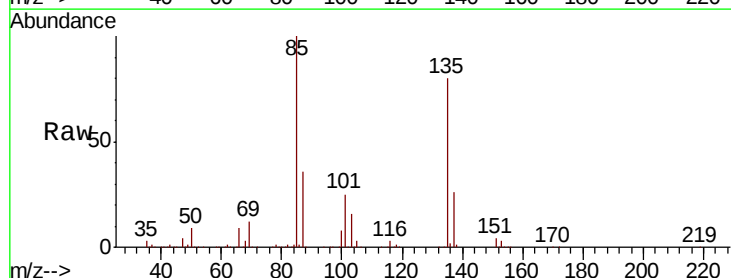
Acq: 23 Sep 2020 3:21

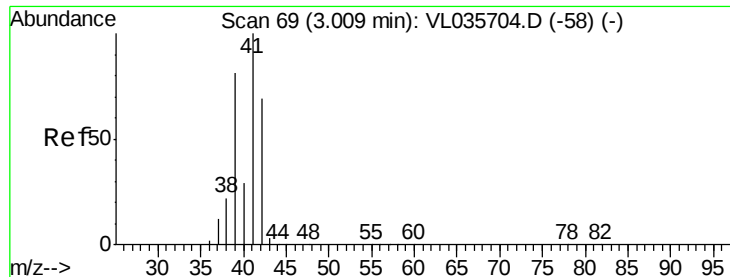
Tgt Ion: 85 Resp: 2230067

Ion Ratio Lower Upper

85 100

135 80.4 64.3 96.5





#9

Propene

Concen: 9.066 ppbv

RT: 3.01 min Scan# 69

Delta R.T. 0.00 min

Lab File: VL035704.D

Acq: 23 Sep 2020 3:21

Instrument :

MSVOA_L

ClientSampleId :

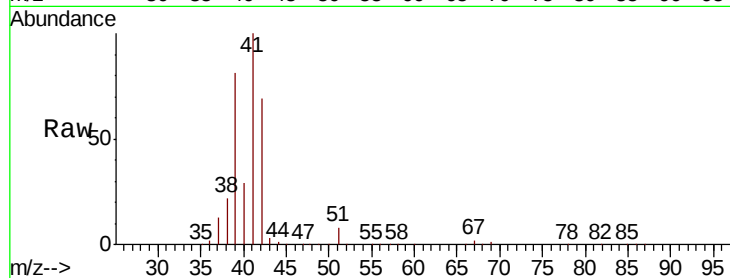
VSTDICCC010

Tot Ion: 41 Resp: 465958

Ion Ratio Lower Upper

41 100

42 70.3 56.2 84.4



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

3.01

400000

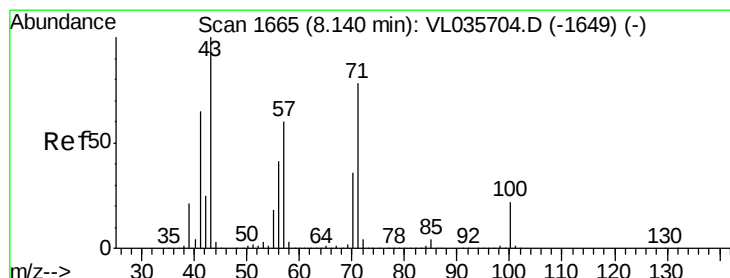
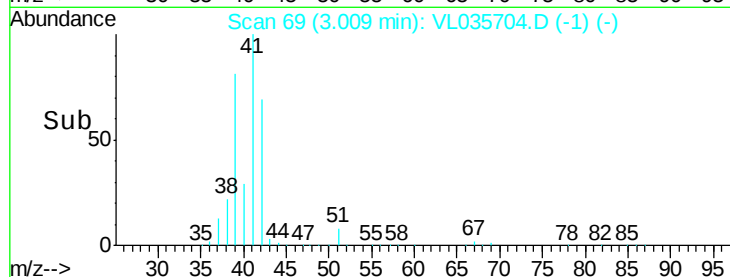
300000

200000

100000

0

Time-->



#10

Heptane

Concen: 10.085 ppbv

RT: 8.14 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VL035704.D

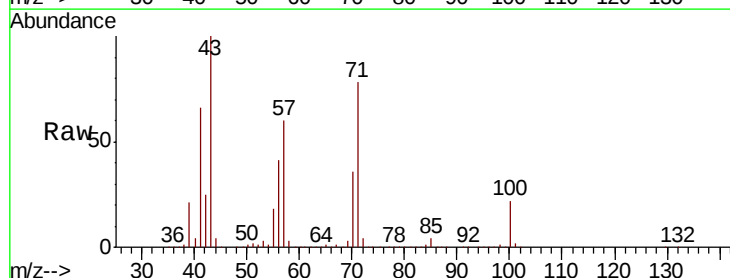
Acq: 23 Sep 2020 3:21

Tgt Ion: 43 Resp: 1415183

Ion Ratio Lower Upper

43 100

57 63.0 50.4 75.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

8.14

800000

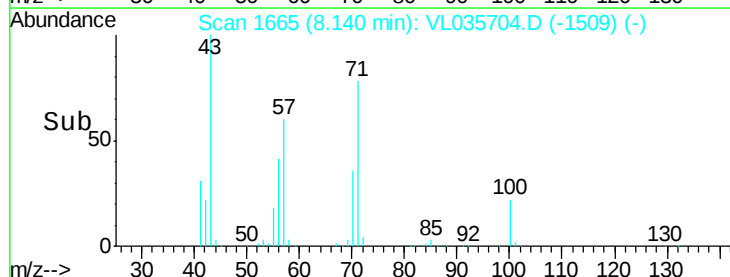
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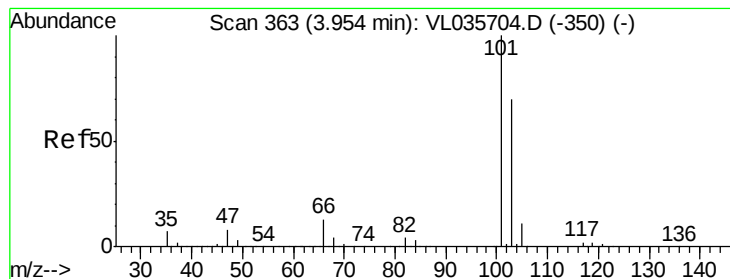
400000

200000

0

Time-->





#11

Trichlorofluoromethane

Concen: 8.803 ppbv

RT: 3.95 min Scan# 363

Delta R.T. 0.00 min

Lab File: VL035704.D

Acq: 23 Sep 2020 3:21

Instrument :

MSVOA_L

ClientSampleId :

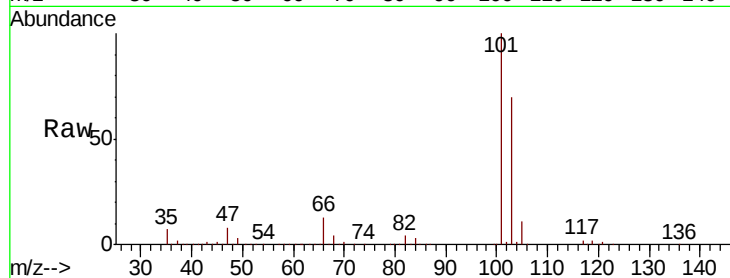
VSTDICCC010

Tot Ion:101 Resp: 2681268

Ion Ratio Lower Upper

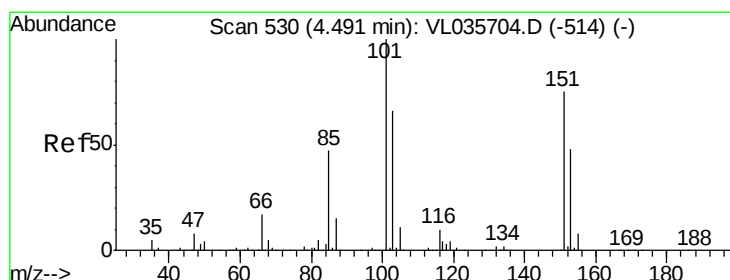
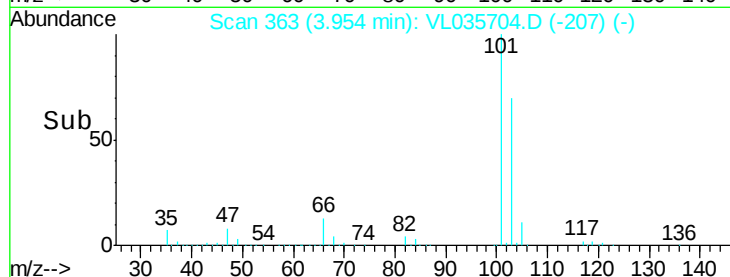
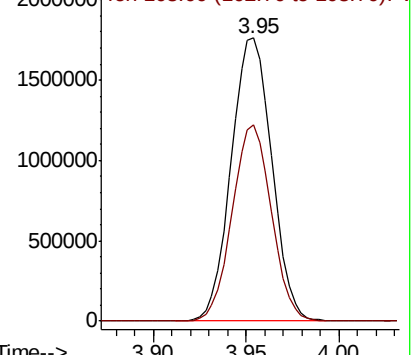
101 100

103 69.5 55.6 83.4



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: 8.875 ppbv

RT: 4.49 min Scan# 530

Delta R.T. 0.00 min

Lab File: VL035704.D

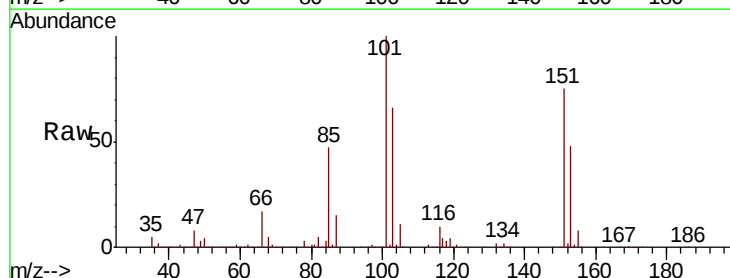
Acq: 23 Sep 2020 3:21

Tgt Ion:101 Resp: 2036116

Ion Ratio Lower Upper

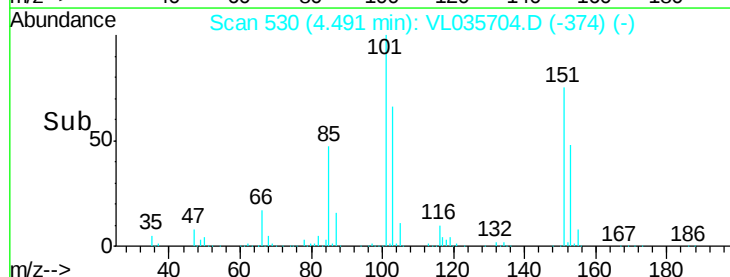
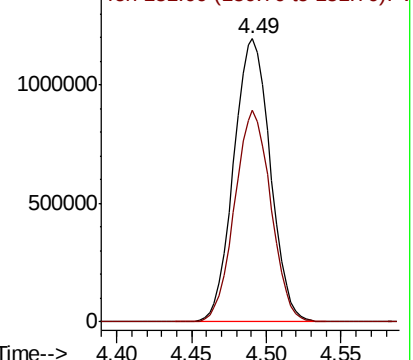
101 100

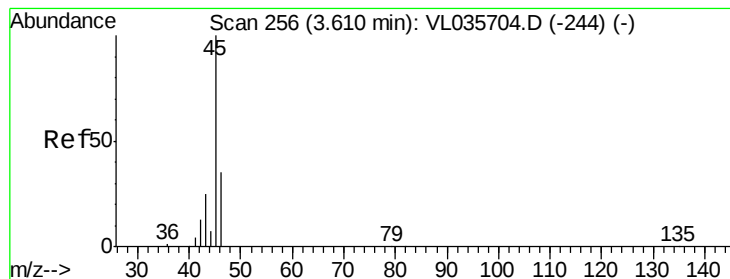
151 73.9 59.1 88.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 8.637 ppbv

RT: 3.61 min Scan# 256

Delta R.T. 0.00 min

Lab File: VL035704.D

Acq: 23 Sep 2020 3:21

Instrument :

MSVOA_L

ClientSampleId :

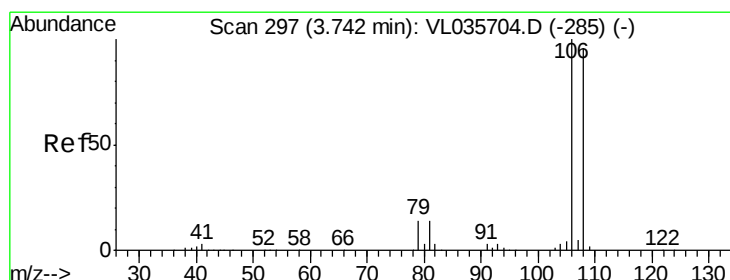
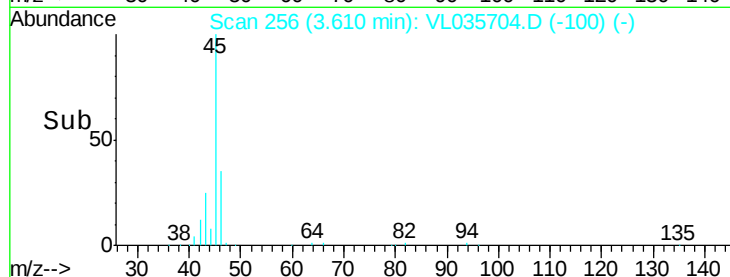
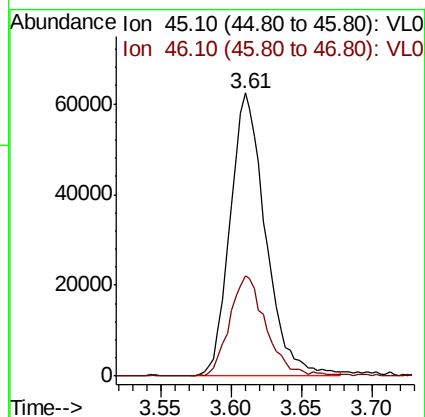
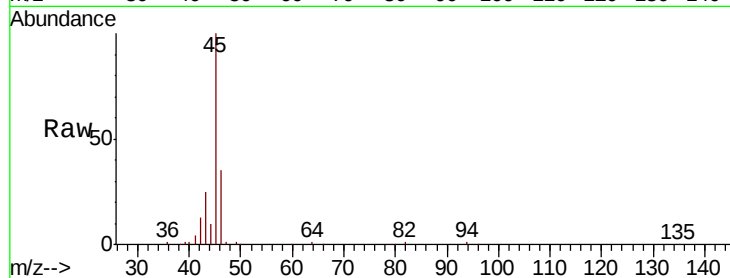
VSTDICCC010

Tot Ion: 45 Resp: 110138

Ion Ratio Lower Upper

45 100

46 36.7 14.7 58.7



#14

Bromoethene

Concen: 9.064 ppbv

RT: 3.74 min Scan# 297

Delta R.T. 0.00 min

Lab File: VL035704.D

Acq: 23 Sep 2020 3:21

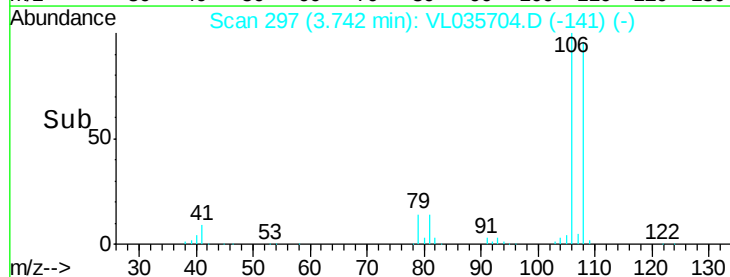
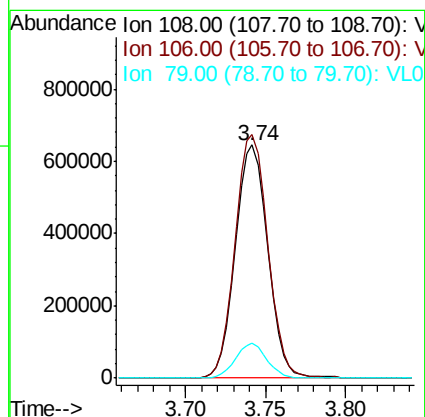
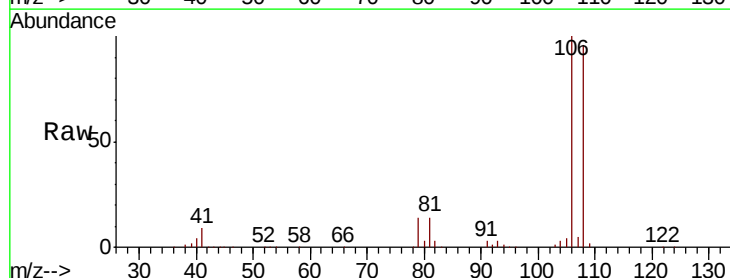
Tgt Ion: 108 Resp: 889113

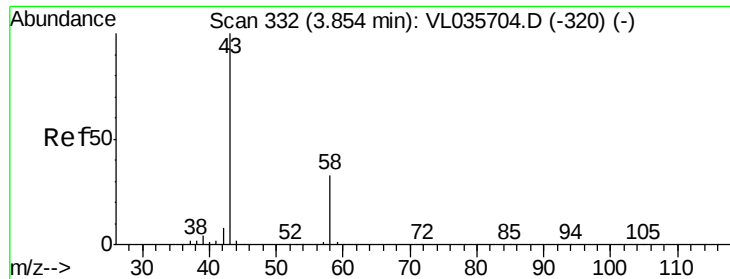
Ion Ratio Lower Upper

108 100

106 105.8 84.6 126.8

79 14.5 11.6 17.4





#15

Acetone

Concen: 8.308 ppbv

RT: 3.85 min Scan# 332

Delta R.T. 0.00 min

Lab File: VL035704.D

Acq: 23 Sep 2020 3:21

Instrument :

MSVOA_L

ClientSampleId :

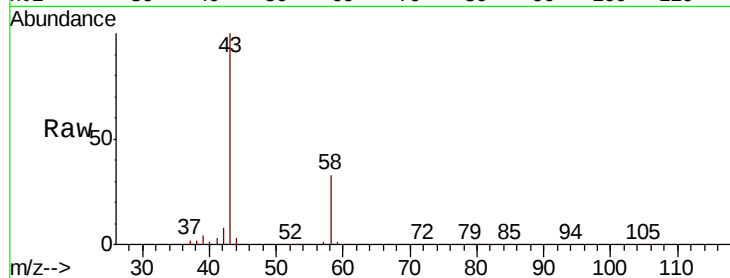
VSTDICCC010

Tot Ion: 43 Resp: 1101471

Ion Ratio Lower Upper

43 100

58 34.0 27.3 40.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.85

800000

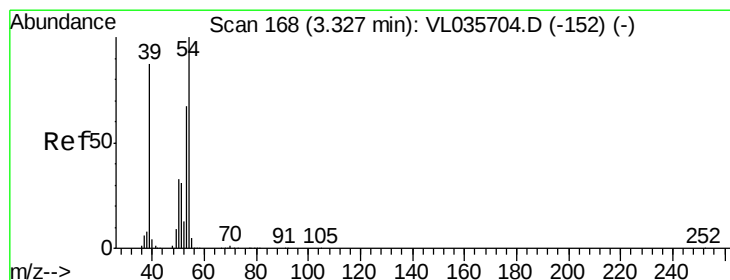
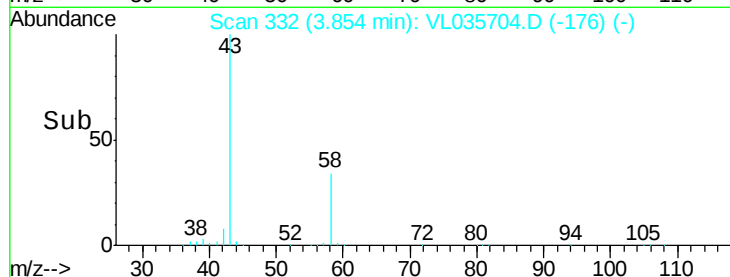
600000

400000

200000

0

Time-->



#16

1,3-Butadiene

Concen: 9.793 ppbv

RT: 3.33 min Scan# 168

Delta R.T. 0.00 min

Lab File: VL035704.D

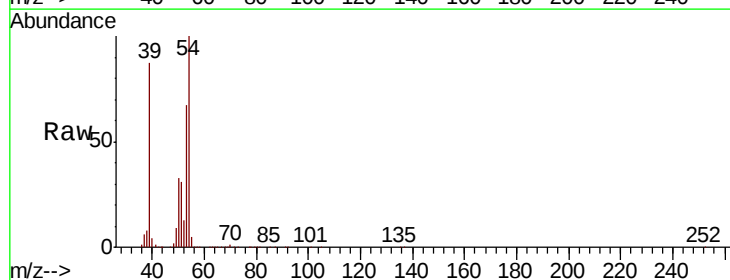
Acq: 23 Sep 2020 3:21

Tgt Ion: 39 Resp: 488896

Ion Ratio Lower Upper

39 100

54 109.2 87.4 131.0



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

500000

400000

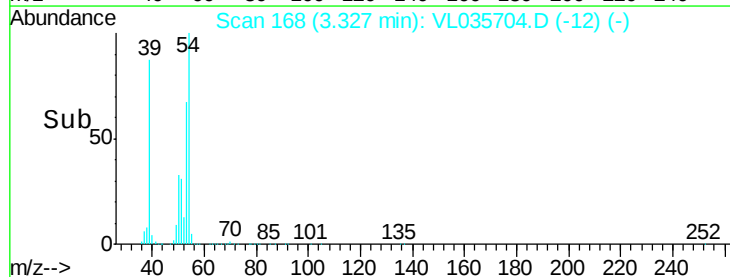
300000

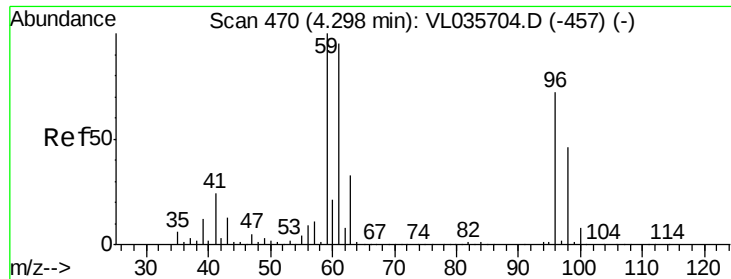
200000

100000

0

Time-->





#17

tert-Butyl alcohol
Concen: 9.045 ppbv
RT: 4.30 min Scan# 470
Delta R.T. 0.00 min
Lab File: VL035704.D
Acq: 23 Sep 2020 3:21

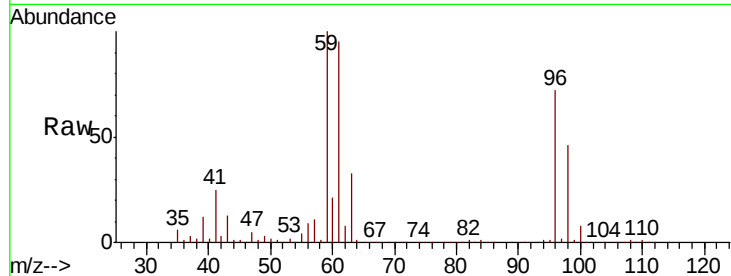
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 59 Resp: 1444082

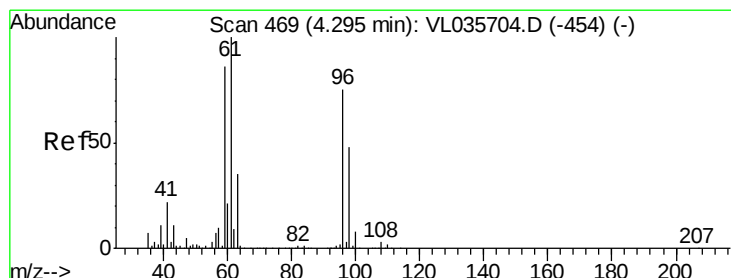
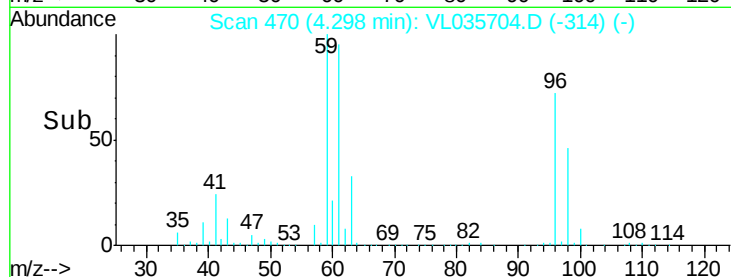
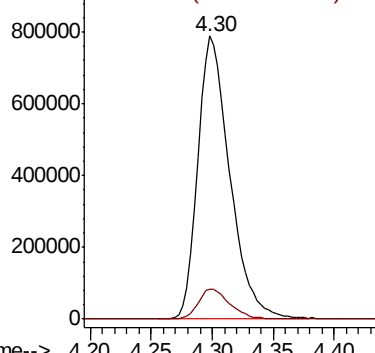
Ion Ratio Lower Upper

59 100

57 10.6 8.5 12.7



Abundance Ion 59.10 (58.80 to 59.80): VL0
Ion 57.10 (56.80 to 57.80): VL0



#18

1,1-Dichloroethene
Concen: 9.278 ppbv
RT: 4.29 min Scan# 469
Delta R.T. 0.00 min
Lab File: VL035704.D
Acq: 23 Sep 2020 3:21

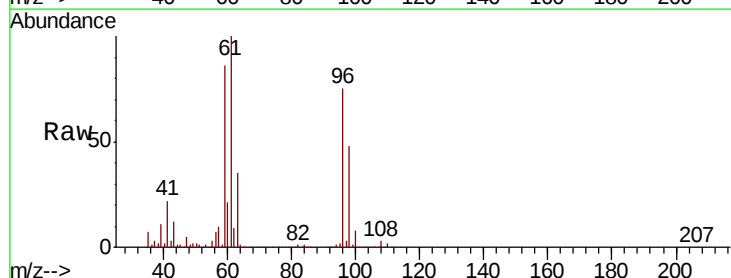
Tgt Ion: 96 Resp: 936504

Ion Ratio Lower Upper

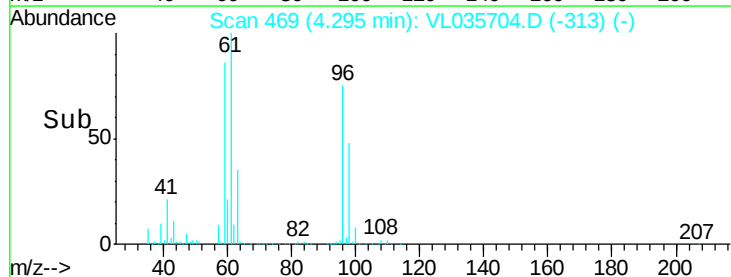
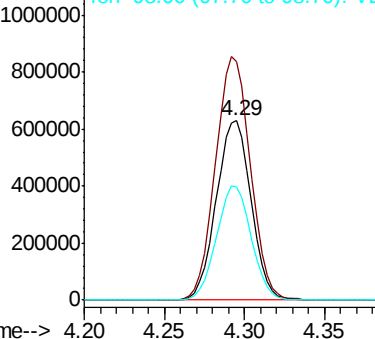
96 100

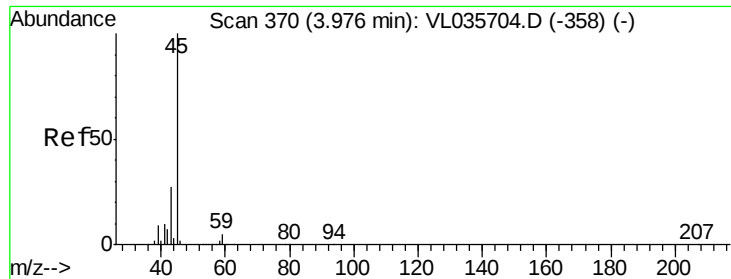
61 133.4 106.7 160.1

98 63.5 50.8 76.2



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





#19

Isopropyl Alcohol

Concen: 9.096 ppbv

RT: 3.98 min Scan# 370

Delta R.T. 0.00 min

Lab File: VL035704.D

Acq: 23 Sep 2020 3:21

Instrument :

MSVOA_L

ClientSampleId :

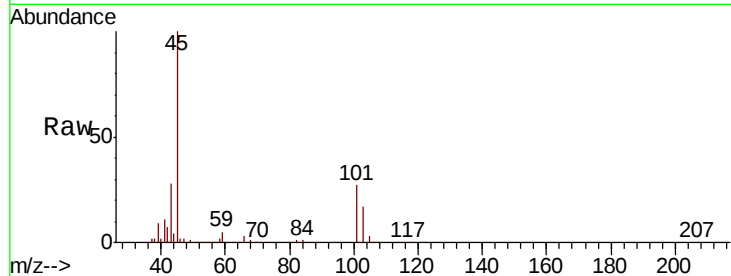
VSTDICCC010

Tot Ion: 45 Resp: 709878

Ion Ratio Lower Upper

45 100

58 3.5 2.8 4.2



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.98

400000

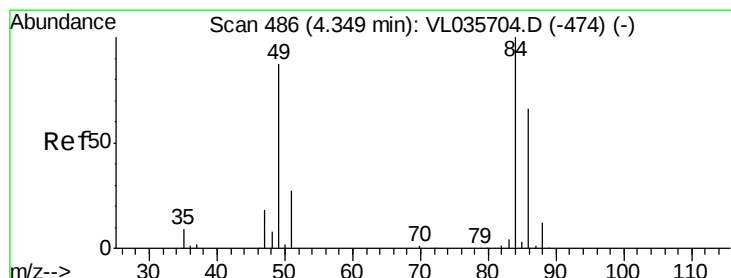
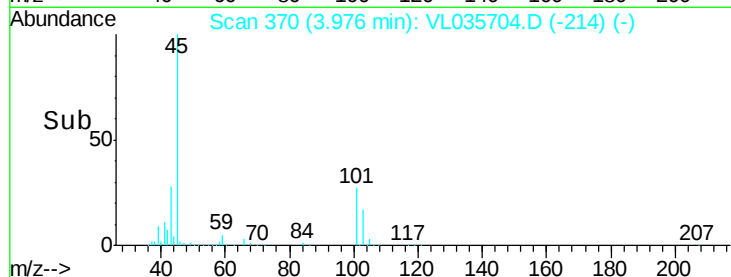
300000

200000

100000

0

Time-->



#20

Methylene Chloride

Concen: 7.844 ppbv

RT: 4.35 min Scan# 486

Delta R.T. 0.00 min

Lab File: VL035704.D

Acq: 23 Sep 2020 3:21

Tgt Ion: 84 Resp: 783192

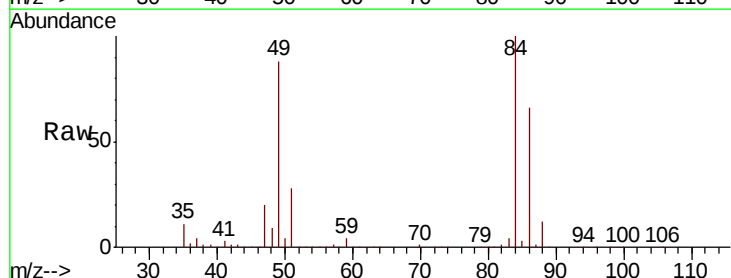
Ion Ratio Lower Upper

84 100

49 87.2 69.8 104.6

51 27.3 21.8 32.8

86 65.7 52.6 78.8



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

800000

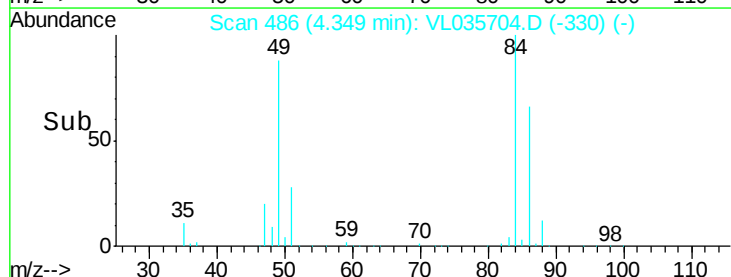
600000

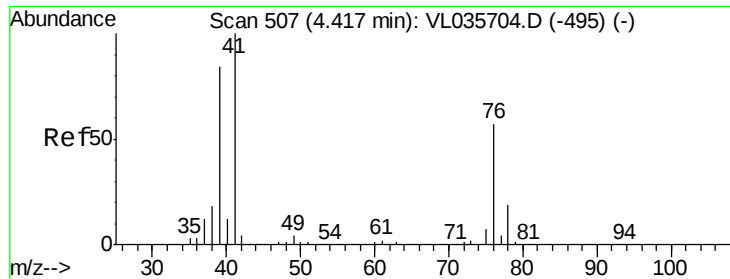
400000

200000

0

Time-->

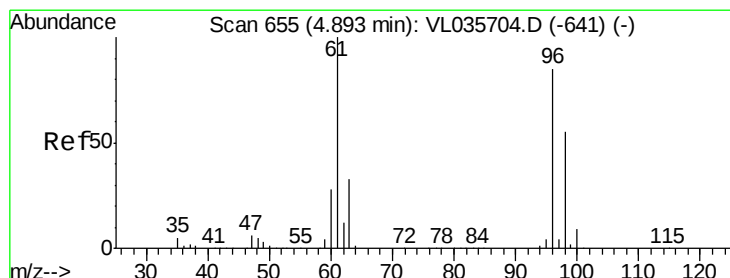
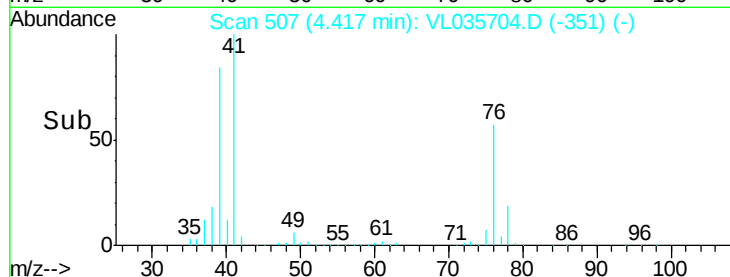
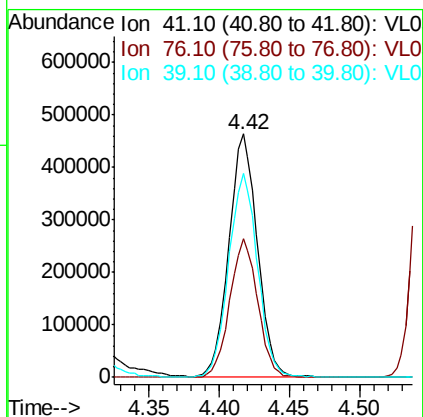
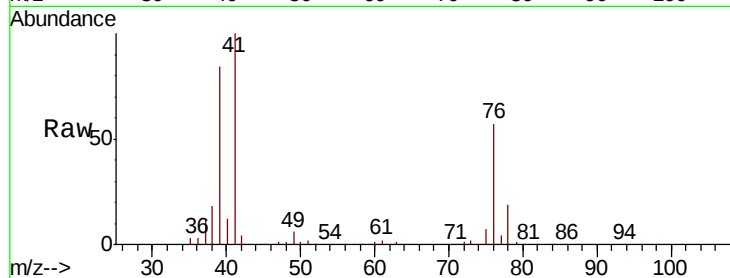




#21
Allvl Chloride
Concen: 10.418 ppbv
RT: 4.42 min Scan# 507
Delta R.T. 0.00 min
Lab File: VL035704.D
Acq: 23 Sep 2020 3:21

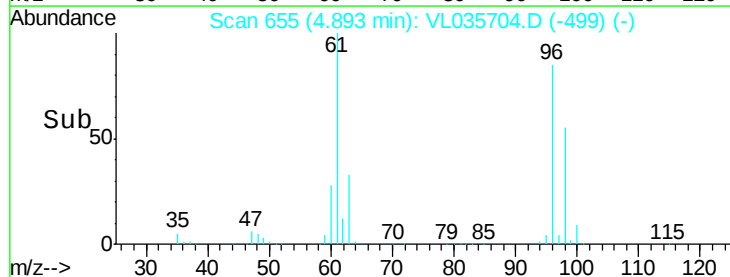
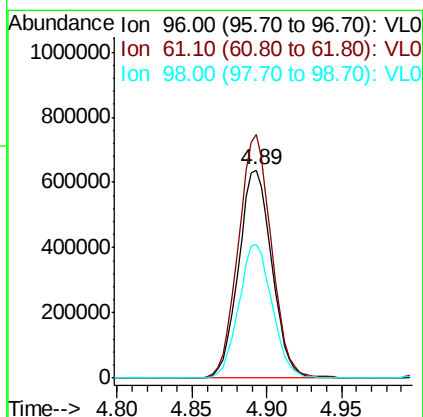
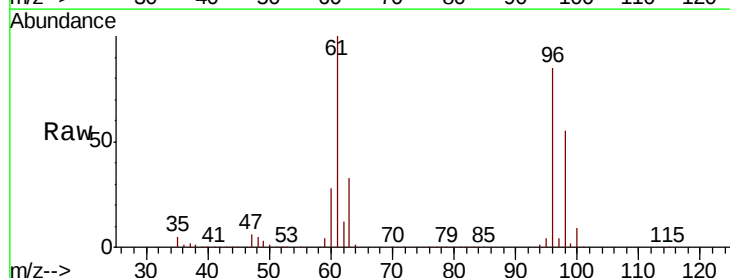
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

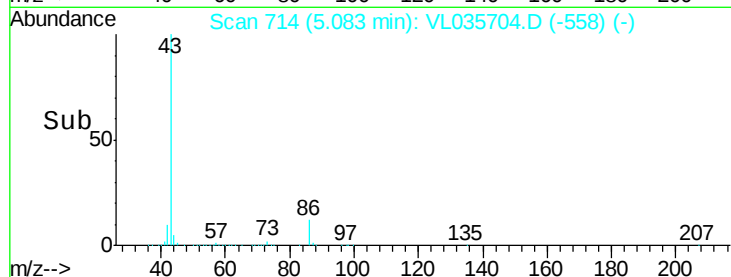
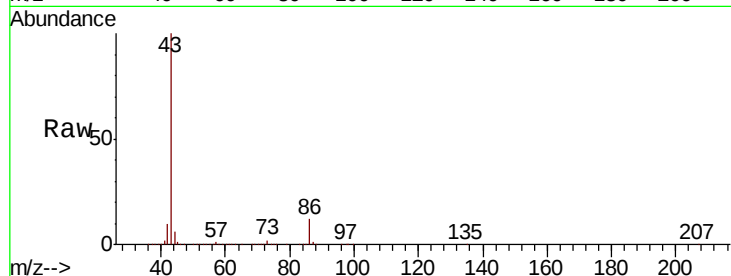
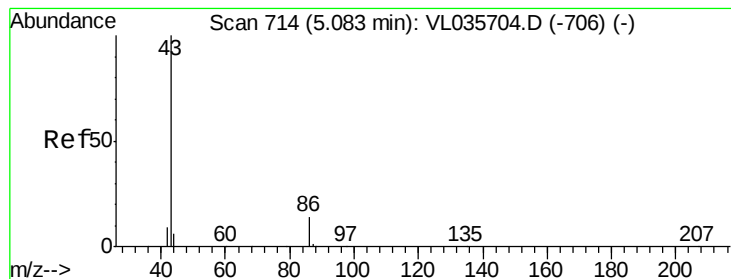
Tot Ion: 41 Resp: 653790
Ion Ratio Lower Upper
41 100
76 56.0 44.8 67.2
39 85.3 68.4 102.6



#22
trans-1,2-Dichloroethene
Concen: 9.186 ppbv
RT: 4.89 min Scan# 655
Delta R.T. 0.00 min
Lab File: VL035704.D
Acq: 23 Sep 2020 3:21

Tgt Ion: 96 Resp: 988678
Ion Ratio Lower Upper
96 100
61 117.1 93.7 140.5
98 64.0 51.2 76.8





#23

Vinyl Acetate

Concen: 9.852 ppbv

RT: 5.08 min Scan# 714

Delta R.T. 0.00 min

Lab File: VL035704.D

Acq: 23 Sep 2020 3:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 43 Resp: 1683546

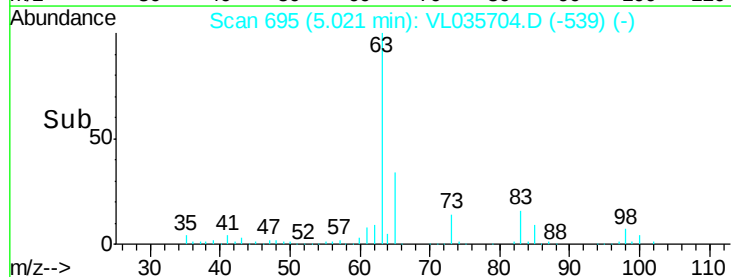
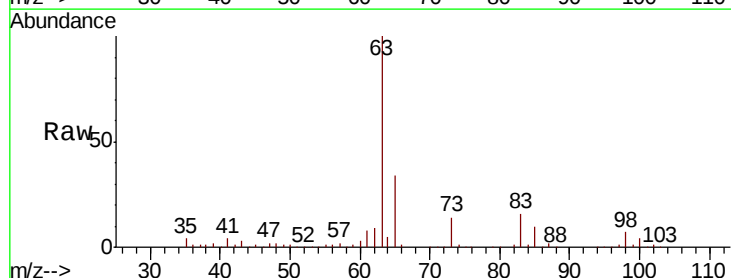
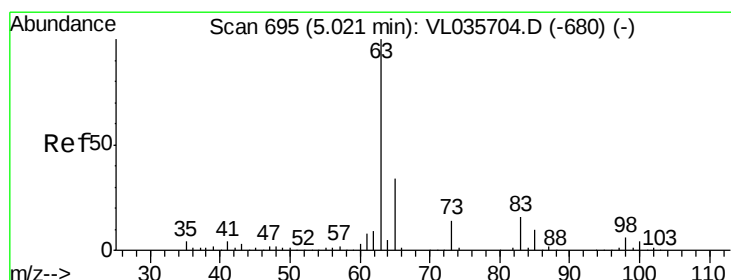
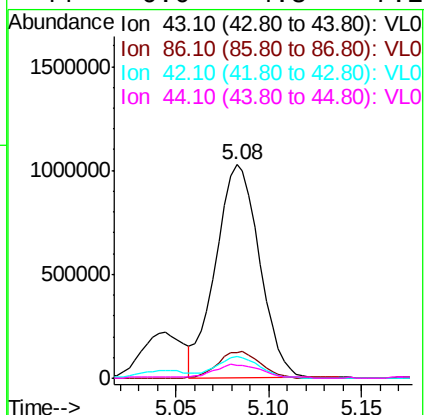
Ion Ratio Lower Upper

43 100

86 12.1 9.7 14.5

42 9.9 7.9 11.9

44 6.0 4.8 7.2



#24

1,1-Dichloroethane

Concen: 9.396 ppbv

RT: 5.02 min Scan# 695

Delta R.T. 0.00 min

Lab File: VL035704.D

Acq: 23 Sep 2020 3:21

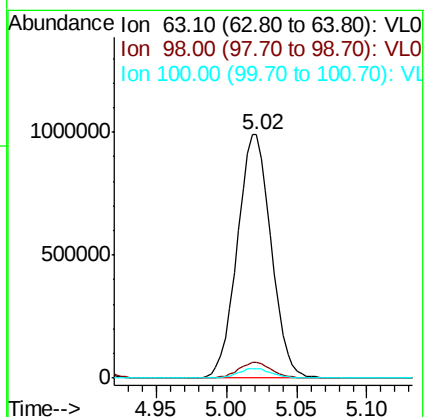
Tgt Ion: 63 Resp: 1662914

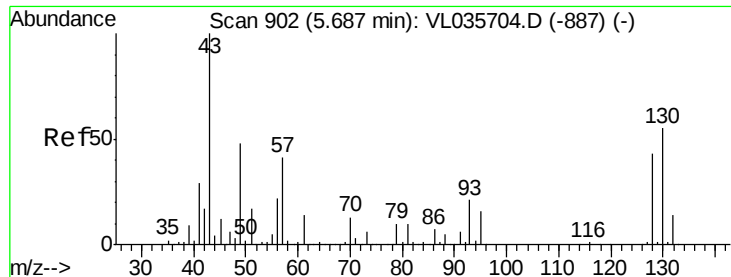
Ion Ratio Lower Upper

63 100

98 6.5 3.3 9.8

100 3.9 2.0 5.8





#25

Ethyl Acetate

Concen: 9.578 ppbv

RT: 5.69 min Scan# 902

Delta R.T. 0.00 min

Lab File: VL035704.D

Acq: 23 Sep 2020 3:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 43 Resp: 2285929

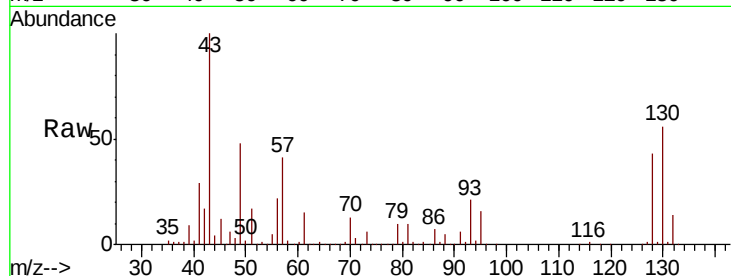
Ion Ratio Lower Upper

43 100

45 10.6 8.6 12.8

61 12.9 10.4 15.6

70 11.1 8.9 13.3

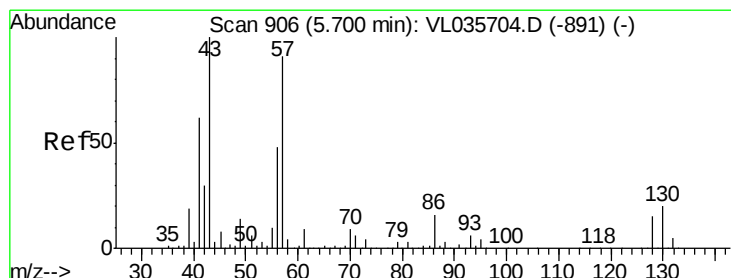
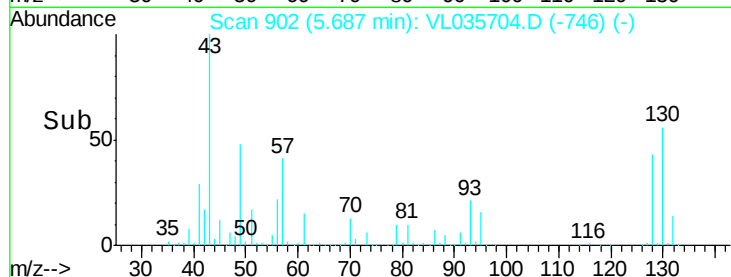
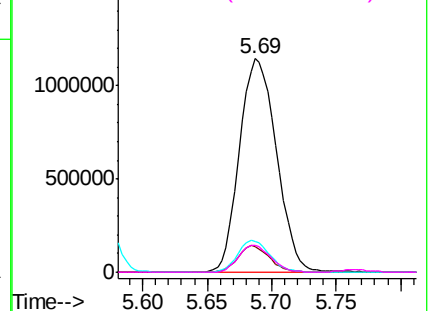


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.469 ppbv

RT: 5.70 min Scan# 906

Delta R.T. 0.00 min

Lab File: VL035704.D

Acq: 23 Sep 2020 3:21

Tgt Ion: 57 Resp: 1277049

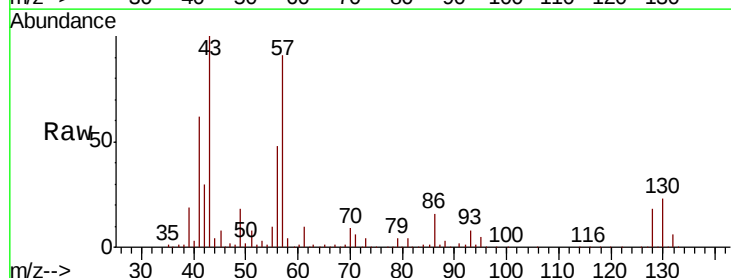
Ion Ratio Lower Upper

57 100

41 72.5 57.9 86.9

43 179.7 143.8 215.6

56 53.8 43.0 64.6

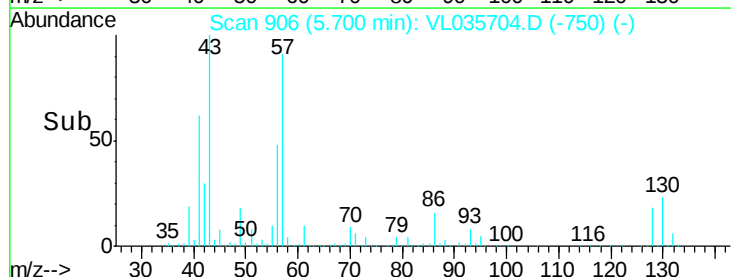
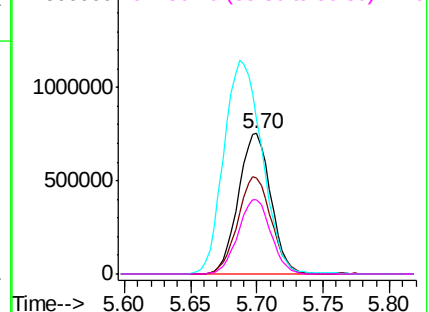


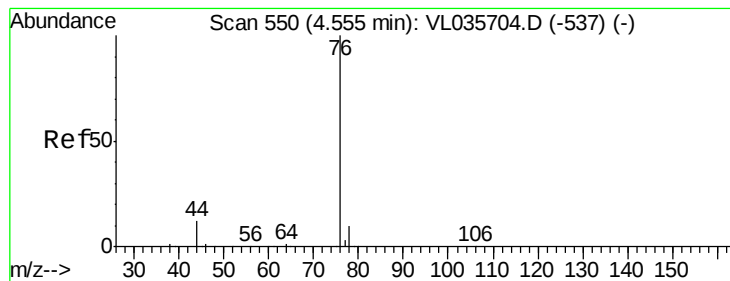
Abundance Ion 57.10 (56.80 to 57.80): VL0

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: 10.815 ppbv

RT: 4.56 min Scan# 550

Delta R.T. 0.00 min

Lab File: VL035704.D

Acq: 23 Sep 2020 3:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

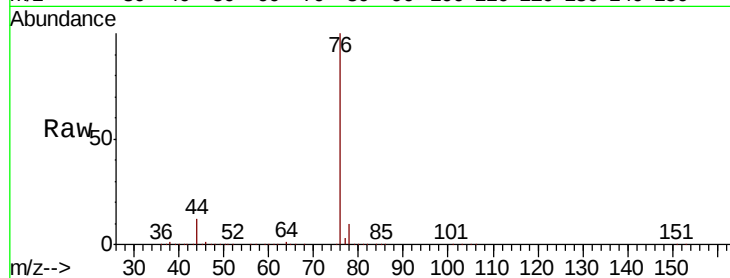
Tot Ion: 76 Resp: 2081285

Ion Ratio Lower Upper

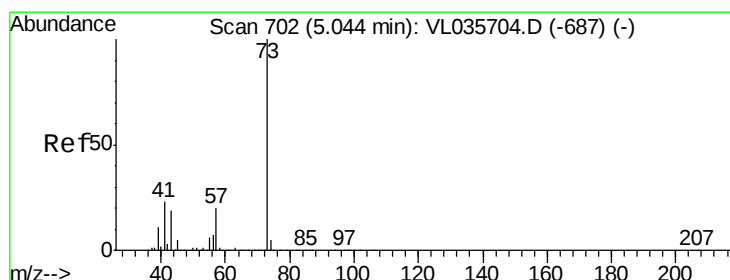
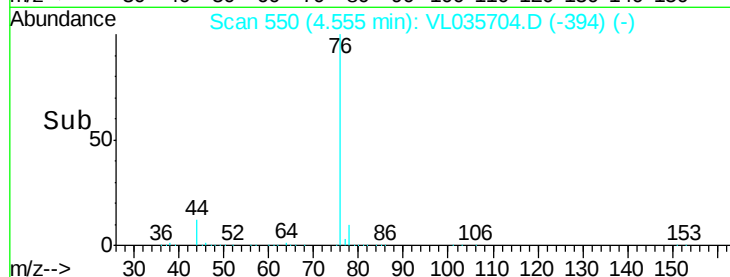
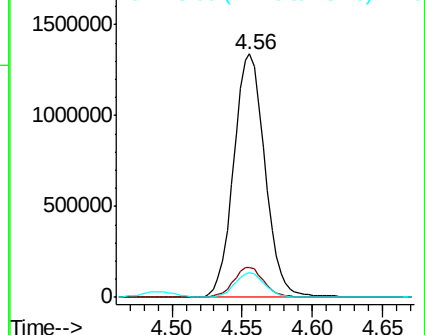
76 100

44 12.0 9.7 14.5

78 9.7 7.8 11.8



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: 9.192 ppbv

RT: 5.04 min Scan# 702

Delta R.T. 0.00 min

Lab File: VL035704.D

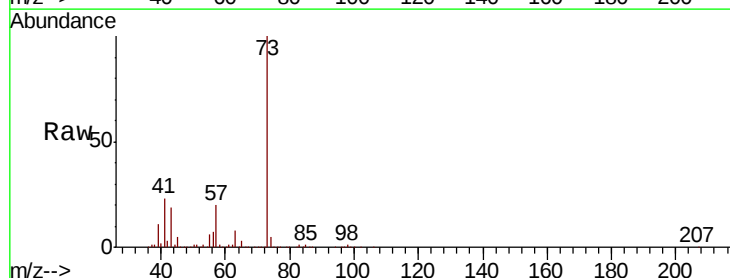
Acq: 23 Sep 2020 3:21

Tgt Ion: 73 Resp: 2108264

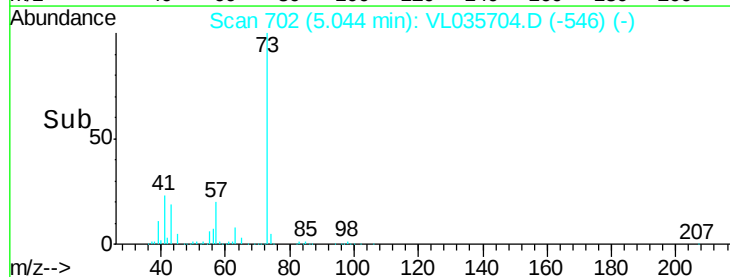
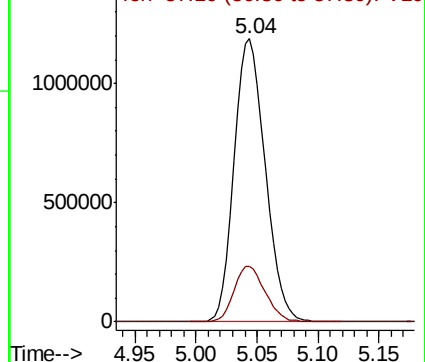
Ion Ratio Lower Upper

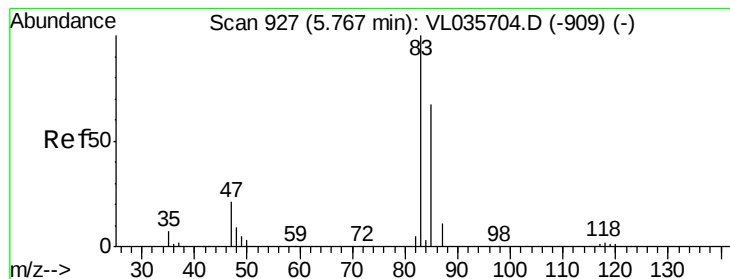
73 100

57 19.6 15.6 23.4



Abundance Ion 73.10 (72.80 to 73.80): VL0
Ion 57.10 (56.80 to 57.80): VL0

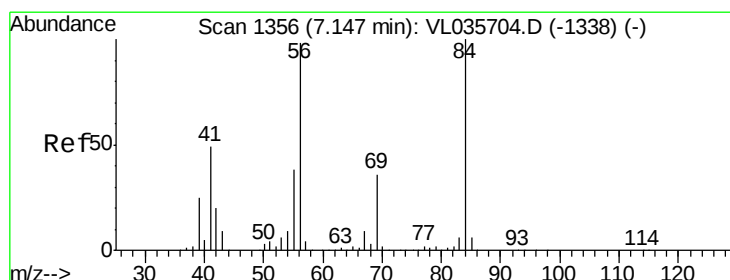
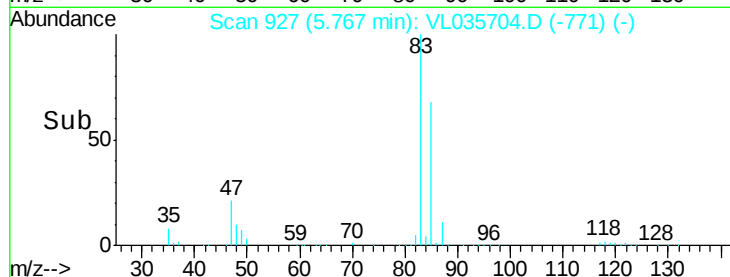
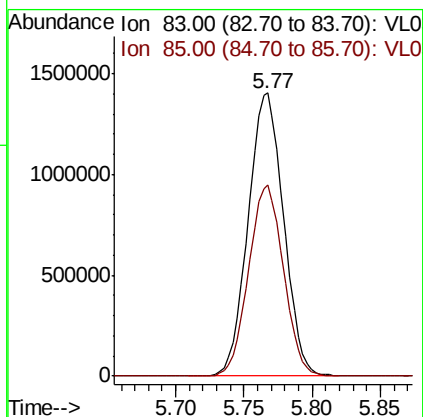
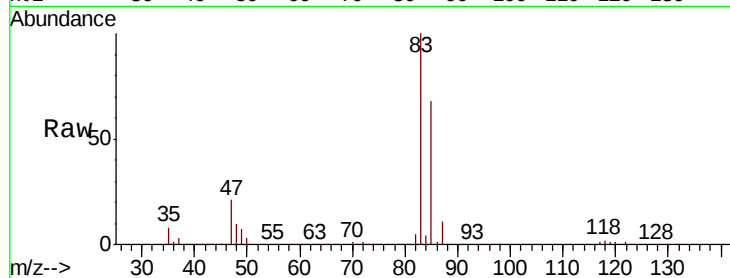




#29
Chloroform
Concen: 9.284 ppbv
RT: 5.77 min Scan# 927
Delta R.T. 0.00 min
Lab File: VL035704.D
Acq: 23 Sep 2020 3:21

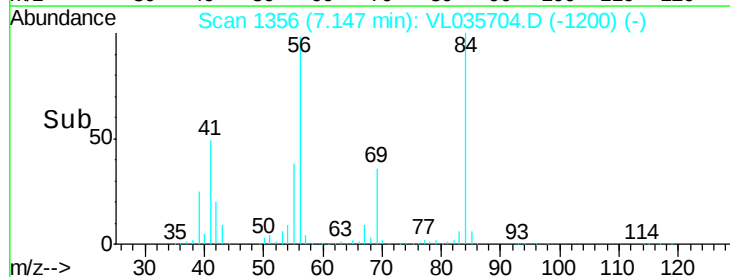
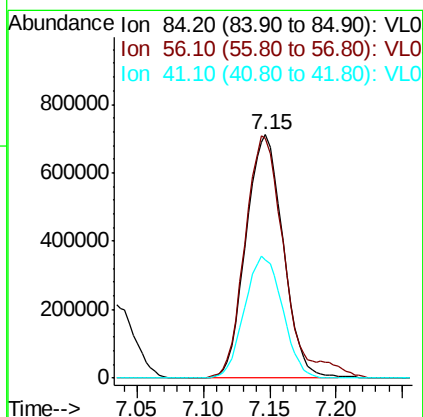
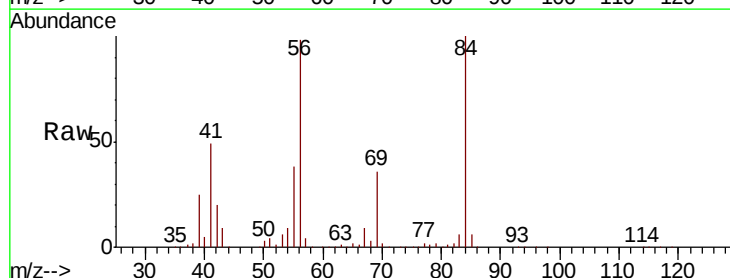
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

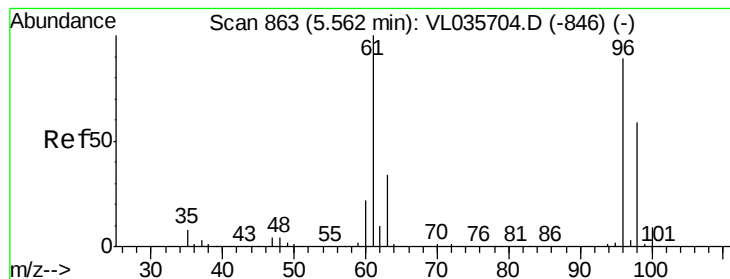
Tot Ion: 83 Resp: 2530220
Ion Ratio Lower Upper
83 100
85 67.5 54.0 81.0



#30
Cyclohexane
Concen: 9.764 ppbv
RT: 7.15 min Scan# 1356
Delta R.T. 0.00 min
Lab File: VL035704.D
Acq: 23 Sep 2020 3:21

Tgt Ion: 84 Resp: 1388117
Ion Ratio Lower Upper
84 100
56 105.9 84.6 127.0
41 51.4 41.1 61.7





#31

cis-1,2-Dichloroethene

Concen: 9.639 ppbv

RT: 5.56 min Scan# 863

Delta R.T. 0.00 min

Lab File: VL035704.D

Acq: 23 Sep 2020 3:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

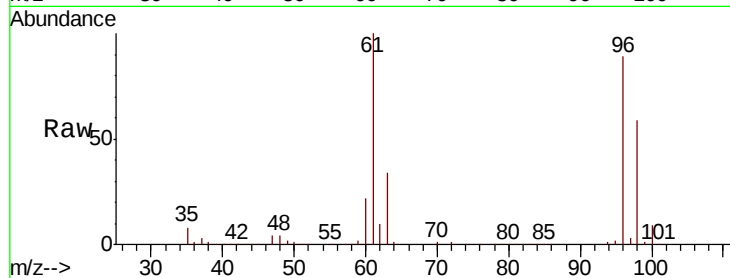
Tot Ion: 61 Resp: 1318452

Ion Ratio Lower Upper

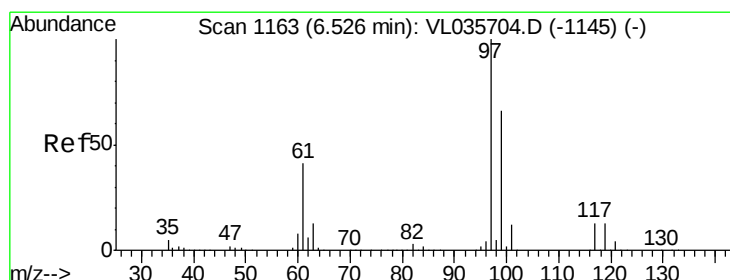
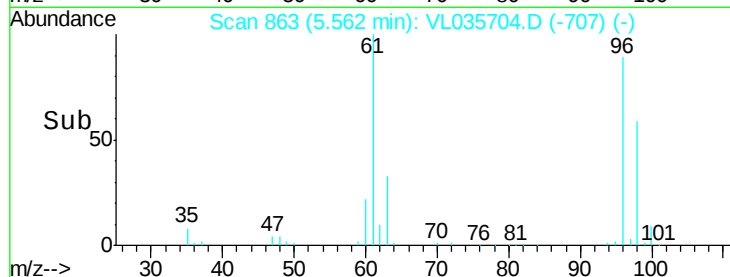
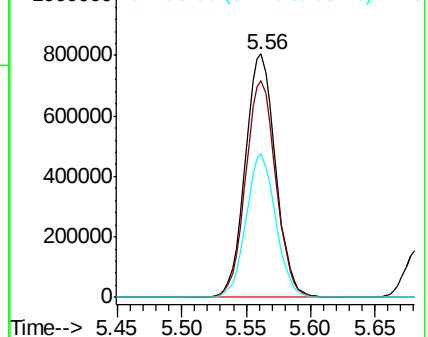
61 100

96 89.3 71.4 107.2

98 59.3 47.4 71.2



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: 9.240 ppbv

RT: 6.53 min Scan# 1163

Delta R.T. 0.00 min

Lab File: VL035704.D

Acq: 23 Sep 2020 3:21

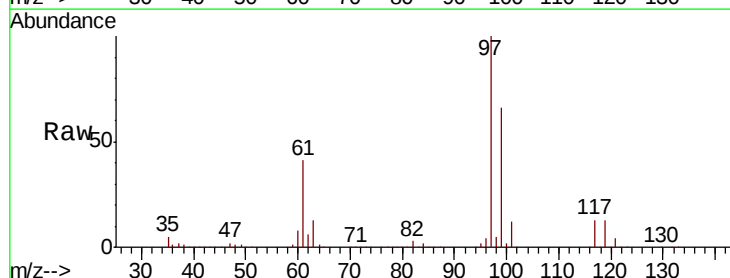
Tgt Ion: 97 Resp: 2435247

Ion Ratio Lower Upper

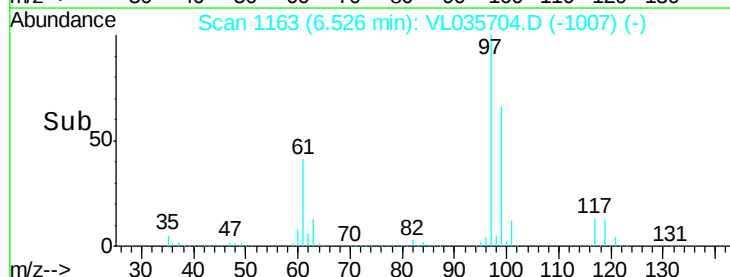
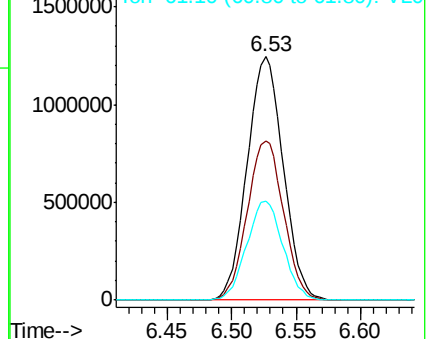
97 100

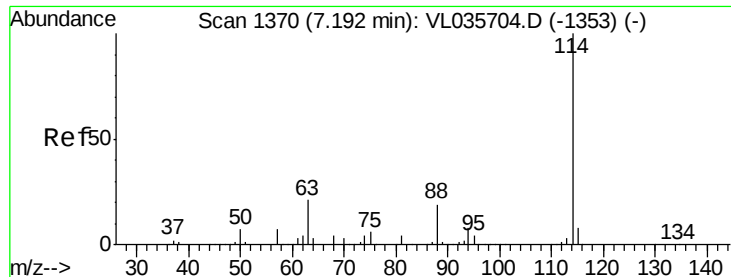
99 65.9 52.7 79.1

61 40.9 32.7 49.1



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

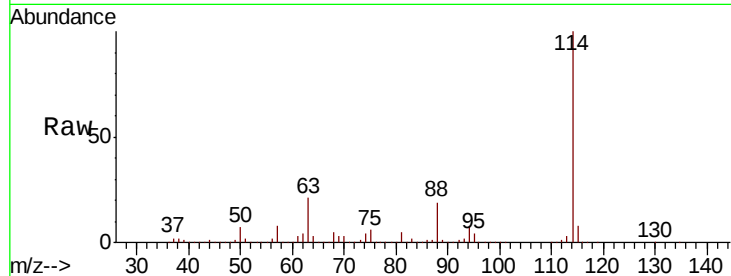




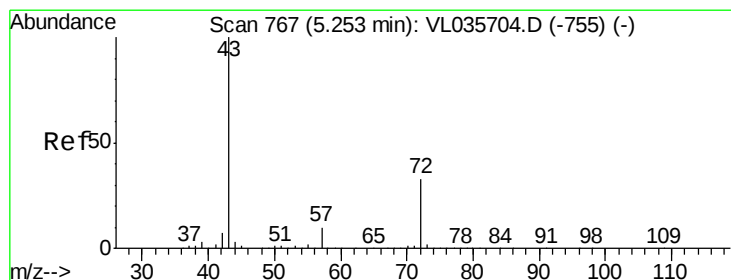
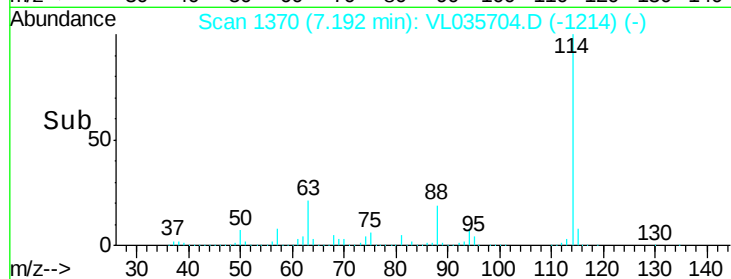
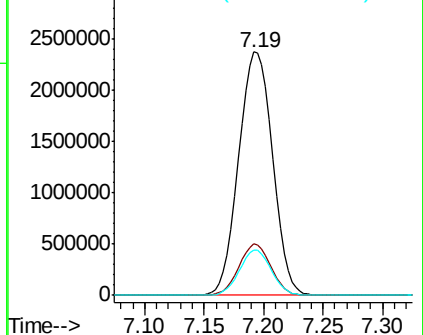
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1370
 Delta R.T. 0.00 min
 Lab File: VL035704.D
 Acq: 23 Sep 2020 3:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion:114 Resp: 4696284
 Ion Ratio Lower Upper
 114 100
 63 20.0 16.1 24.1
 88 17.6 14.1 21.1

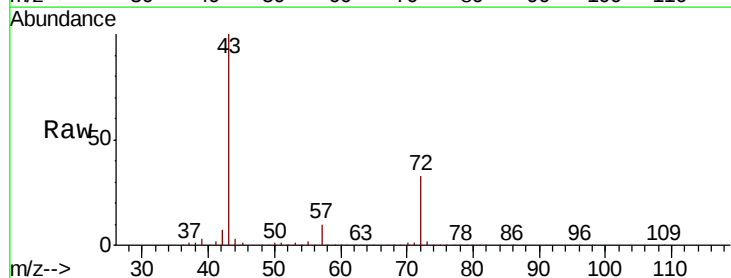


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

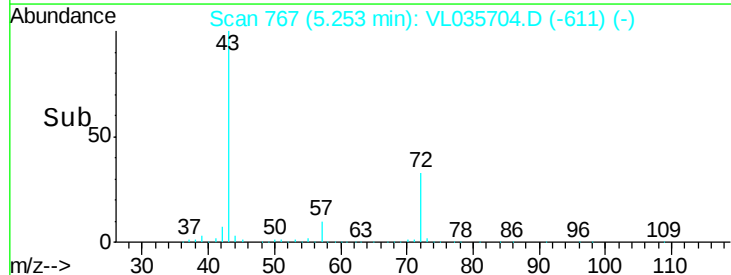
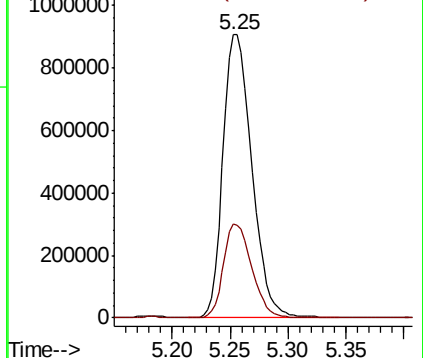


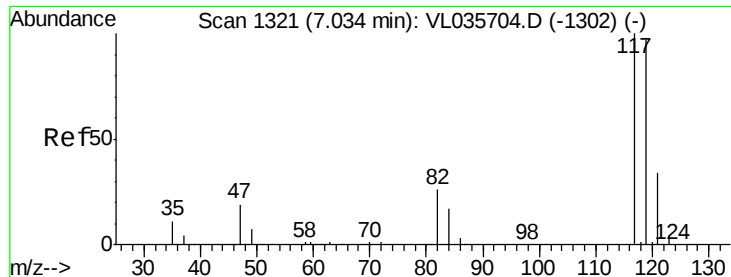
#34
 2-Butanone
 Concen: 10.912 ppbv
 RT: 5.25 min Scan# 767
 Delta R.T. 0.00 min
 Lab File: VL035704.D
 Acq: 23 Sep 2020 3:21

Tgt Ion: 43 Resp: 1559356
 Ion Ratio Lower Upper
 43 100
 72 32.6 26.1 39.1



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0

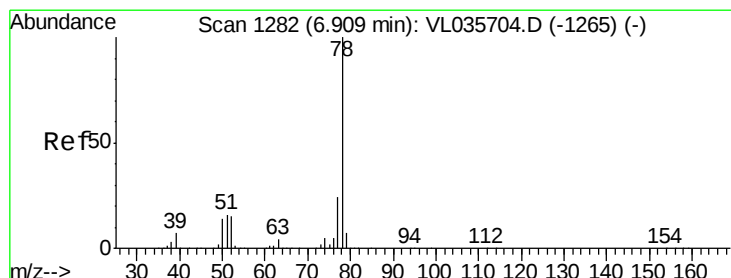
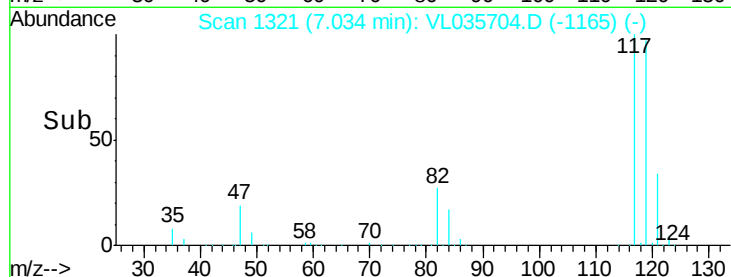
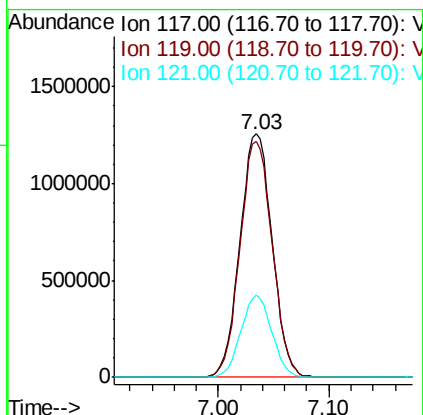
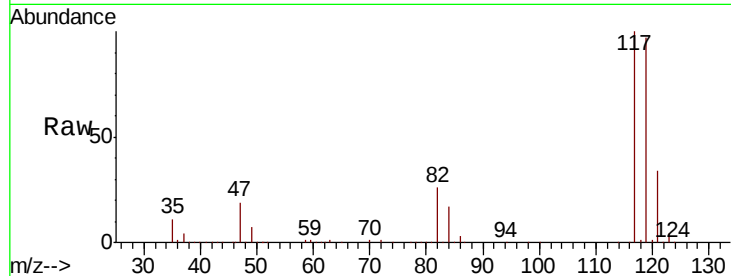




#35
Carbon Tetrachloride
Concen: 10.706 ppbv
RT: 7.03 min Scan# 1321
Delta R.T. 0.00 min
Lab File: VL035704.D
Acq: 23 Sep 2020 3:21

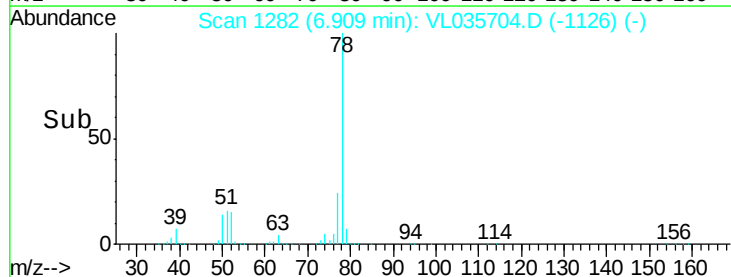
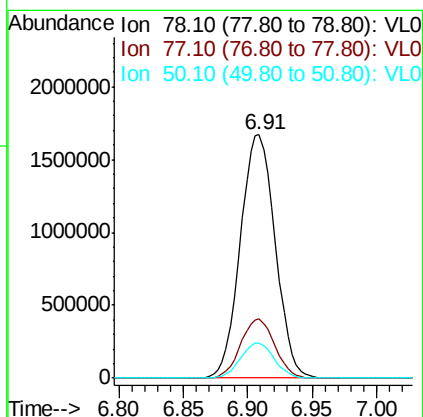
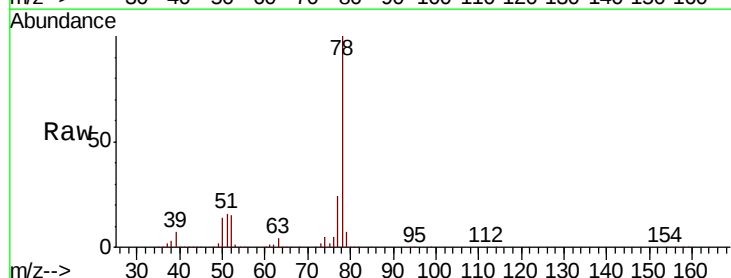
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

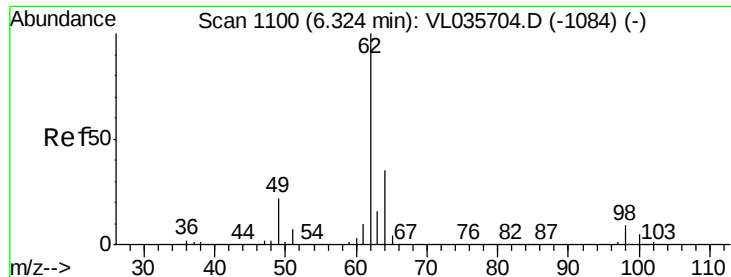
Tot Ion:117 Resp: 2540915
Ion Ratio Lower Upper
117 100
119 97.1 77.7 116.5
121 33.6 26.9 40.3



#36
Benzene
Concen: 10.262 ppbv
RT: 6.91 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VL035704.D
Acq: 23 Sep 2020 3:21

Tgt Ion: 78 Resp: 3152755
Ion Ratio Lower Upper
78 100
77 24.1 19.3 28.9
50 14.5 11.6 17.4

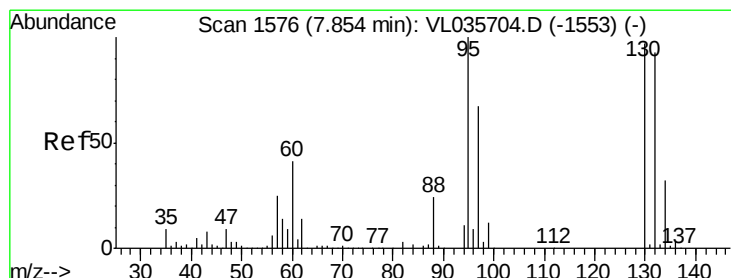
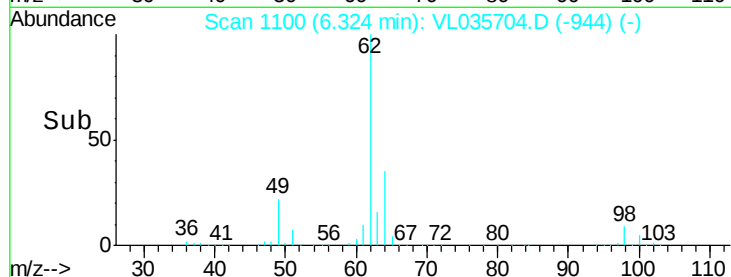
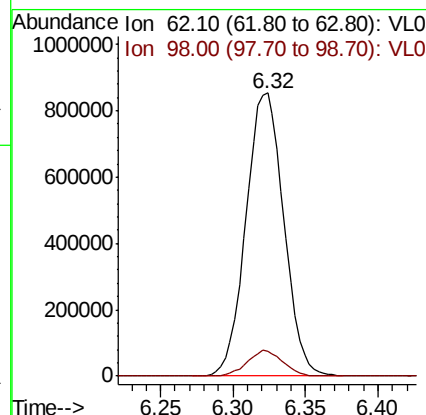
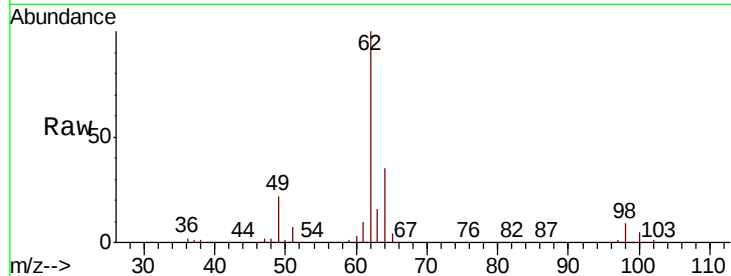




#37
 1,2-Dichloroethane
 Concen: 10.471 ppbv
 RT: 6.32 min Scan# 1100
 Delta R.T. 0.00 min
 Lab File: VL035704.D
 Acq: 23 Sep 2020 3:21

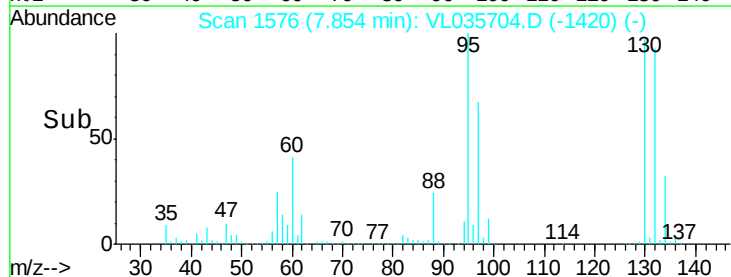
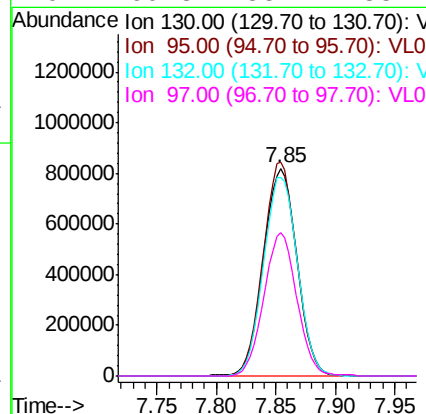
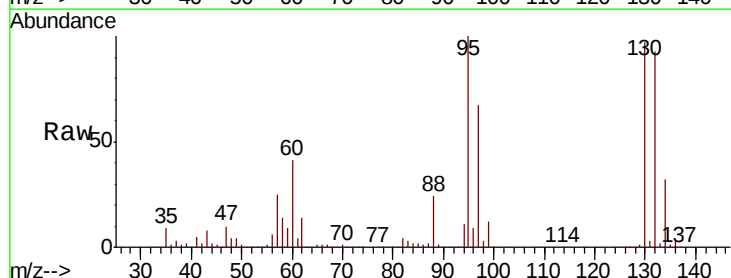
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

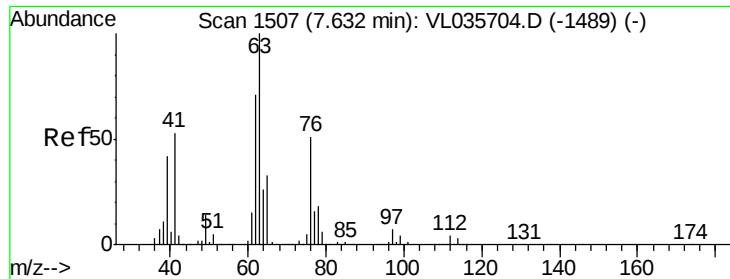
Tot Ion: 62 Resp: 1548567
 Ion Ratio Lower Upper
 62 100
 98 8.6 6.9 10.3



#38
 Trichloroethene
 Concen: 9.080 ppbv
 RT: 7.85 min Scan# 1576
 Delta R.T. 0.00 min
 Lab File: VL035704.D
 Acq: 23 Sep 2020 3:21

Tgt Ion:130 Resp: 1601867
 Ion Ratio Lower Upper
 130 100
 95 103.0 82.4 123.6
 132 96.0 76.8 115.2
 97 69.3 55.4 83.2



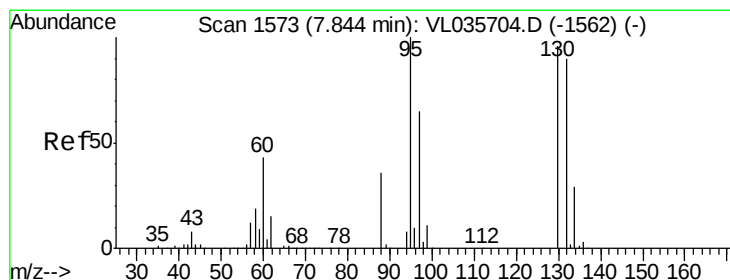
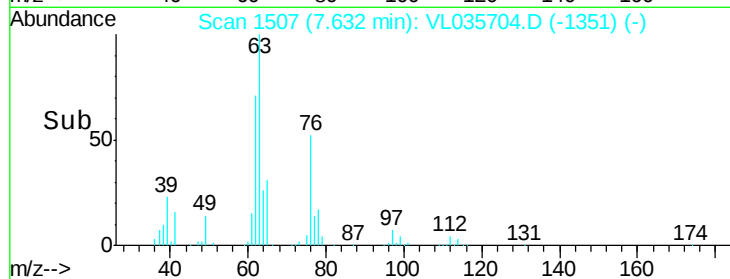
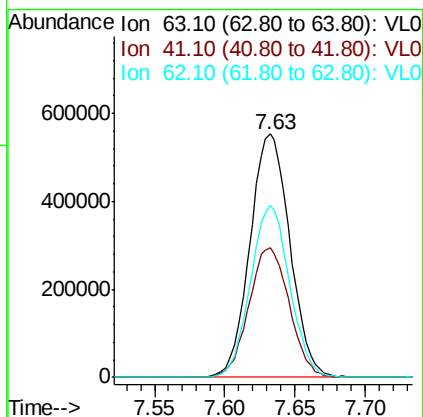
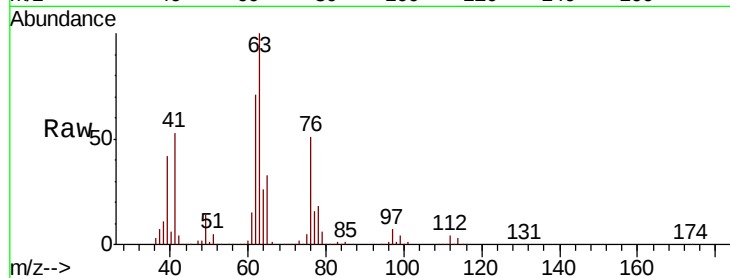


#39
 1,2-Dichloropropane
 Concen: 10.472 ppbv
 RT: 7.63 min Scan# 1507
 Delta R.T. 0.00 min
 Lab File: VL035704.D
 Acq: 23 Sep 2020 3:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion: 63 Resp: 1094127

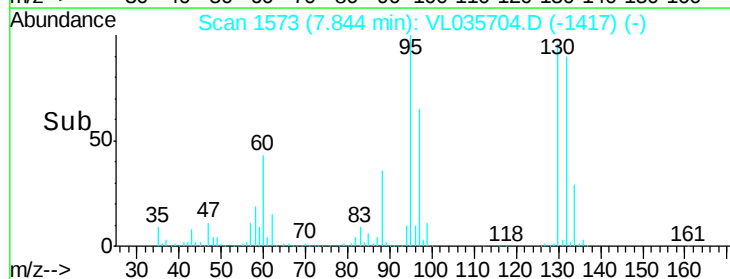
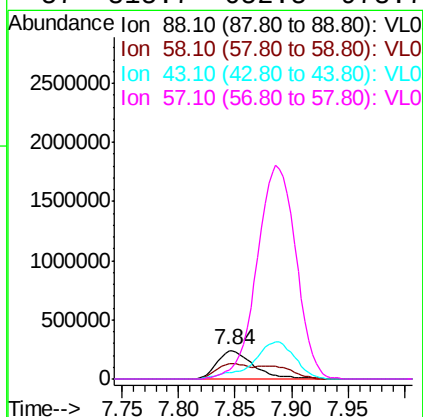
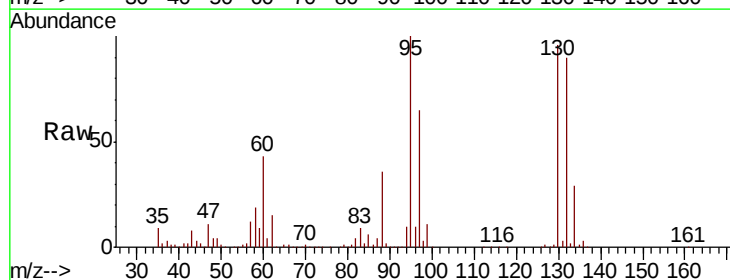
Ion	Ratio	Lower	Upper
63	100		
41	53.2	42.6	63.8
62	70.6	56.5	84.7

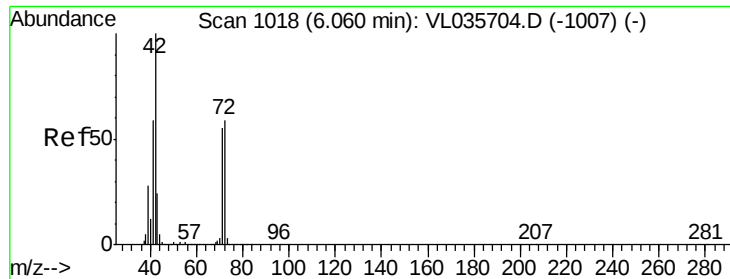


#40
 1,4-Dioxane
 Concen: 10.424 ppbv
 RT: 7.84 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VL035704.D
 Acq: 23 Sep 2020 3:21

Tgt Ion: 88 Resp: 531061

Ion	Ratio	Lower	Upper
88	100		
58	95.3	76.2	114.4
43	153.2	123.4	185.2
57	815.7	652.5	978.7

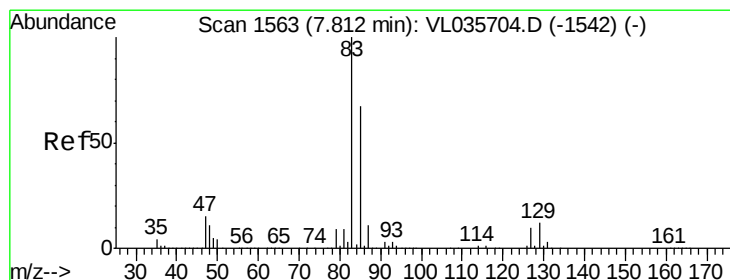
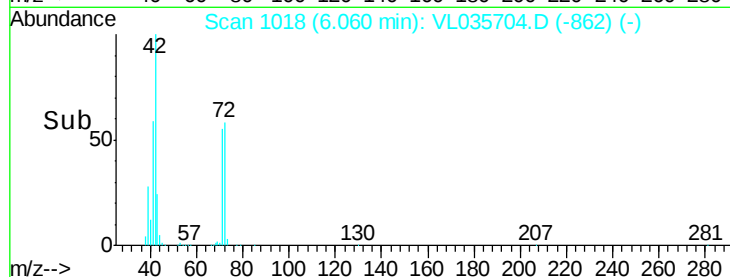
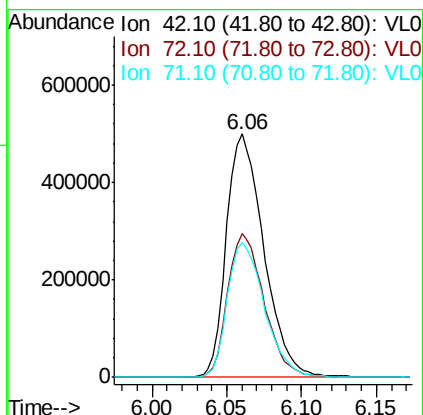
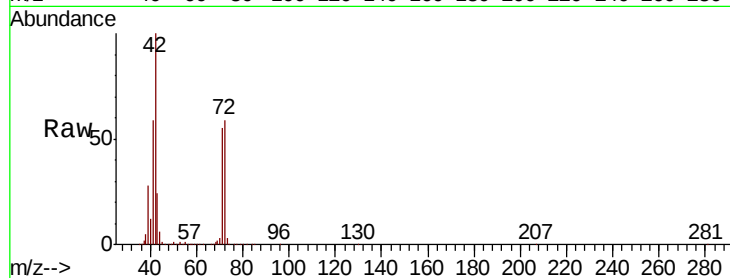




#41
Tetrahydrofuran
Concen: 11.507 ppbv
RT: 6.06 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VL035704.D
Acq: 23 Sep 2020 3:21

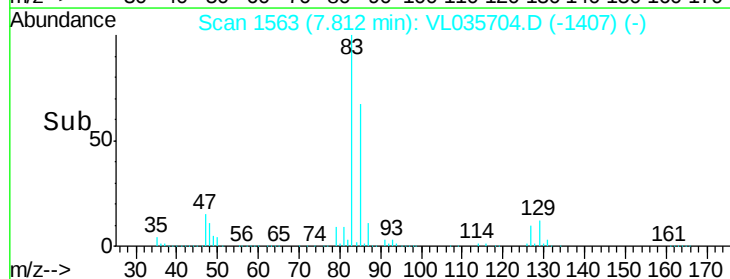
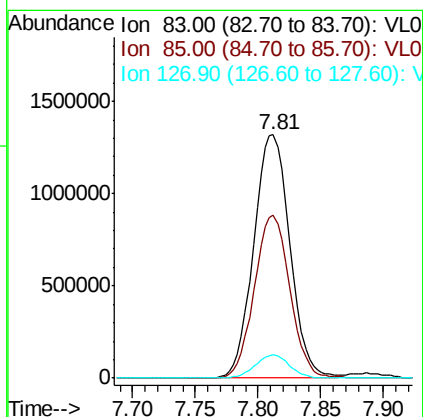
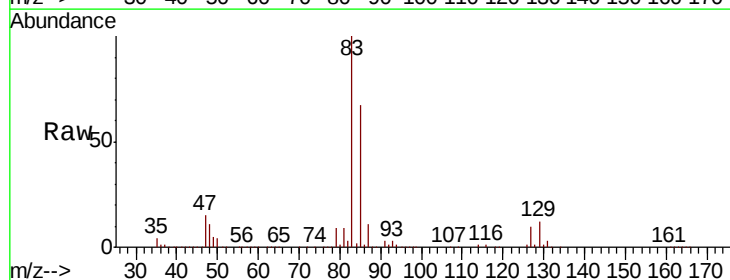
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

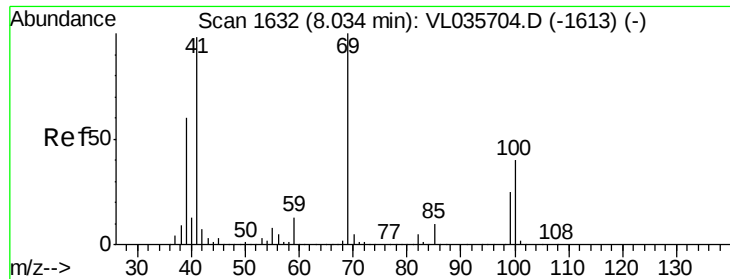
Tot Ion: 42 Resp: 870707
Ion Ratio Lower Upper
42 100
72 57.8 46.2 69.4
71 55.3 44.2 66.4



#42
Bromodichloromethane
Concen: 11.133 ppbv
RT: 7.81 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VL035704.D
Acq: 23 Sep 2020 3:21

Tgt Ion: 83 Resp: 2655430
Ion Ratio Lower Upper
83 100
85 66.7 53.4 80.0
127 9.7 7.8 11.6

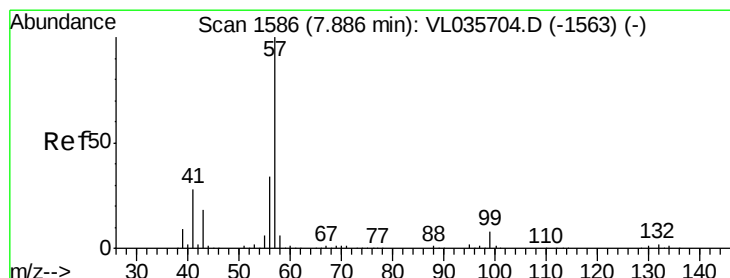
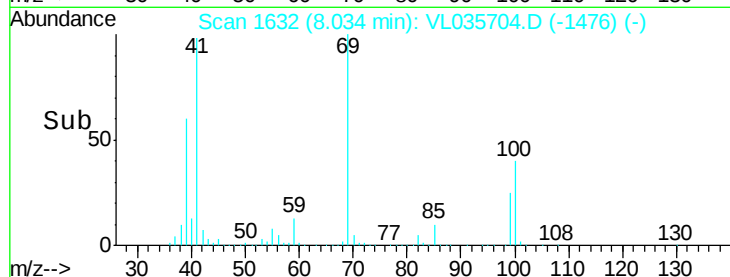
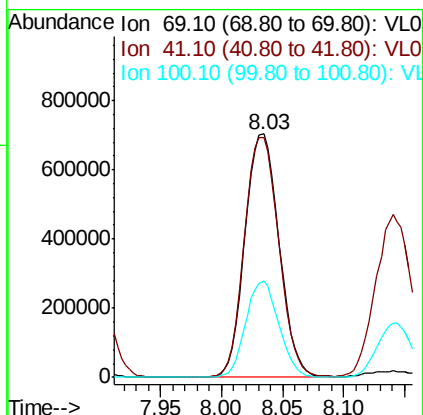
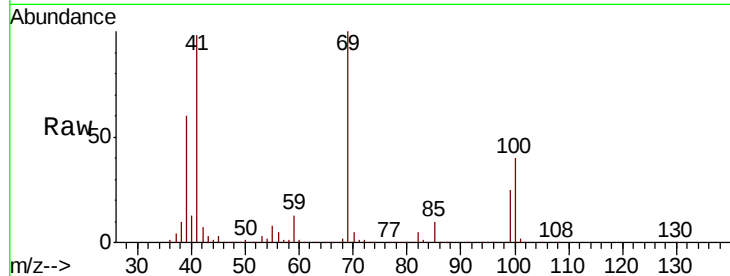




#43
Methvl Methacrilate
Concen: 11.340 ppbv
RT: 8.03 min Scan# 1632
Delta R.T. 0.00 min
Lab File: VL035704.D
Acq: 23 Sep 2020 3:21

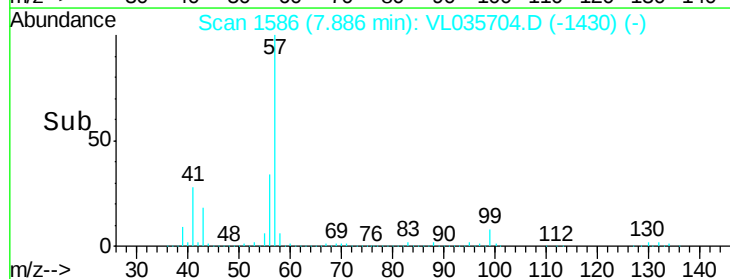
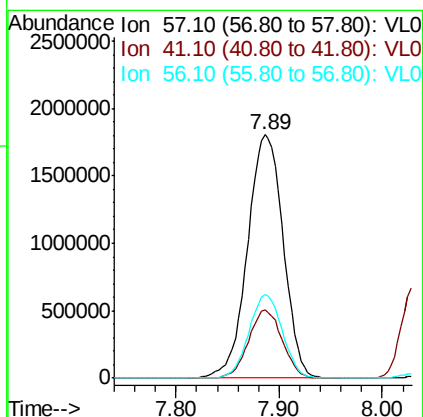
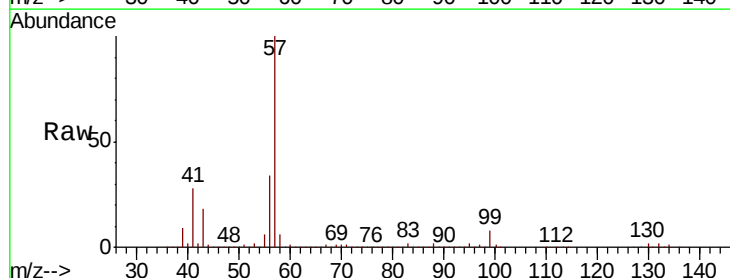
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

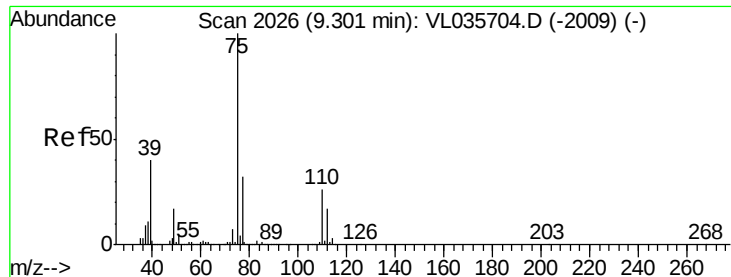
Tot Ion: 69 Resp: 1358031
Ion Ratio Lower Upper
69 100
41 99.7 79.8 119.6
100 38.3 30.6 46.0



#44
2,2,4-Trimethylpentane
Concen: 10.560 ppbv
RT: 7.89 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VL035704.D
Acq: 23 Sep 2020 3:21

Tgt Ion: 57 Resp: 4325675
Ion Ratio Lower Upper
57 100
41 26.5 21.2 31.8
56 32.3 25.8 38.8

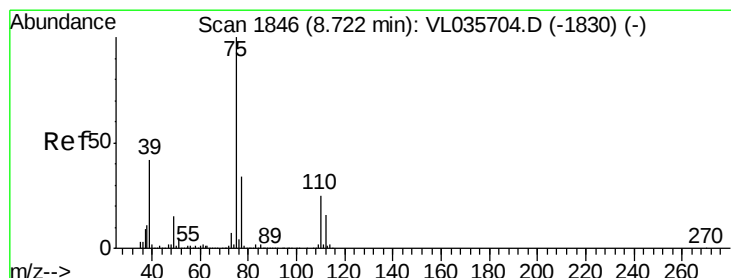
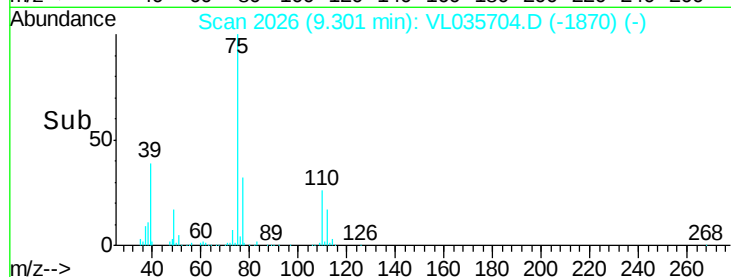
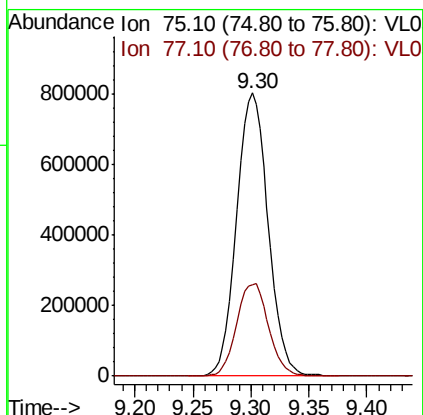
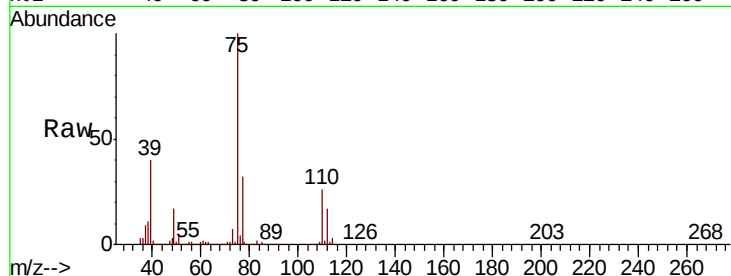




#45
 t-1,3-Dichloropropene
 Concen: 12.522 ppbv
 RT: 9.30 min Scan# 2026
 Delta R.T. 0.00 min
 Lab File: VL035704.D
 Acq: 23 Sep 2020 3:21

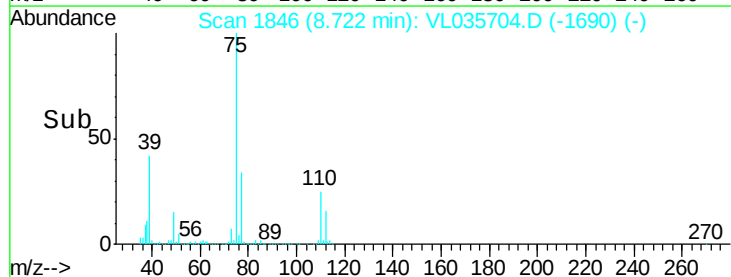
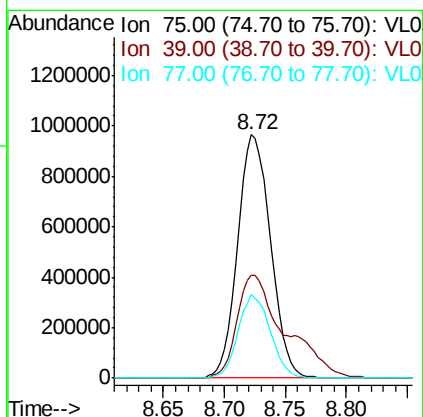
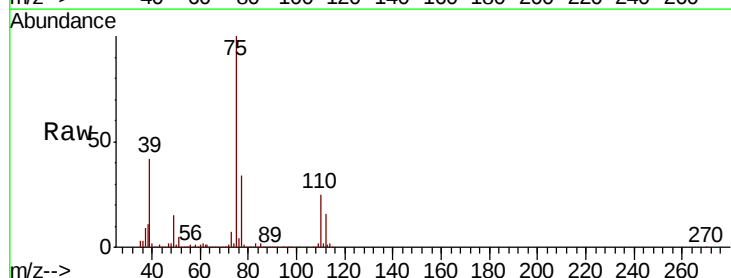
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

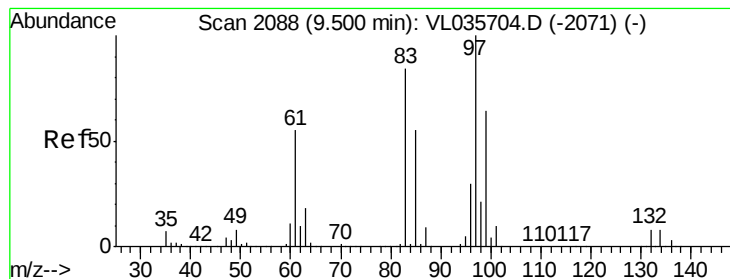
Tot Ion: 75 Resp: 1514152
 Ion Ratio Lower Upper
 75 100
 77 32.4 25.9 38.9



#46
 cis-1,3-Dichloropropene
 Concen: 11.991 ppbv
 RT: 8.72 min Scan# 1846
 Delta R.T. 0.00 min
 Lab File: VL035704.D
 Acq: 23 Sep 2020 3:21

Tgt Ion: 75 Resp: 1801562
 Ion Ratio Lower Upper
 75 100
 39 42.4 33.9 50.9
 77 34.2 27.4 41.0





#47

1,1,2-Trichloroethane

Concen: 10.176 ppbv

RT: 9.50 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VL035704.D

Acq: 23 Sep 2020 3:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 97 Resp: 1556624

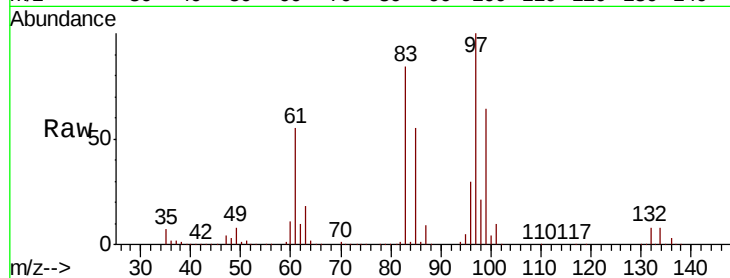
Ion Ratio Lower Upper

97 100

83 83.9 67.1 100.7

85 54.9 43.9 65.9

99 64.1 51.3 76.9

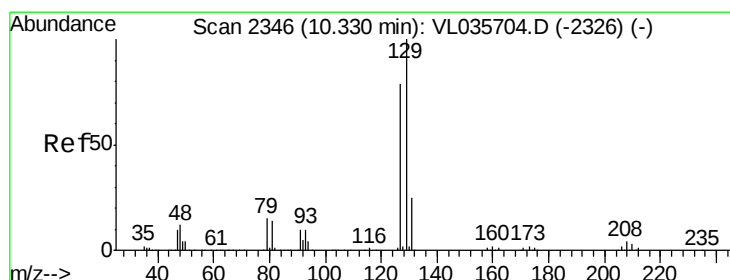
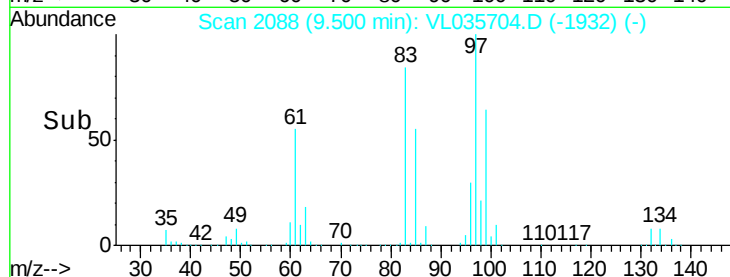
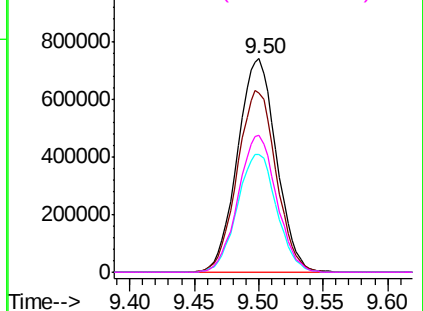


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 11.061 ppbv

RT: 10.33 min Scan# 2346

Delta R.T. 0.00 min

Lab File: VL035704.D

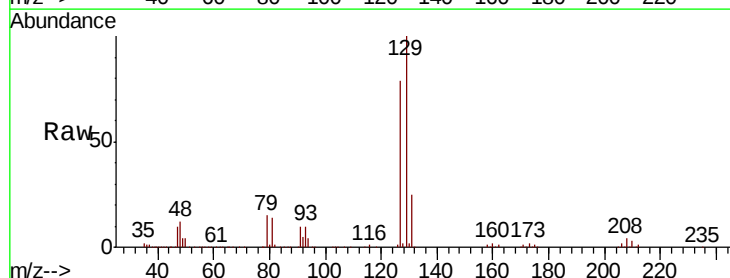
Acq: 23 Sep 2020 3:21

Tgt Ion: 129 Resp: 2640923

Ion Ratio Lower Upper

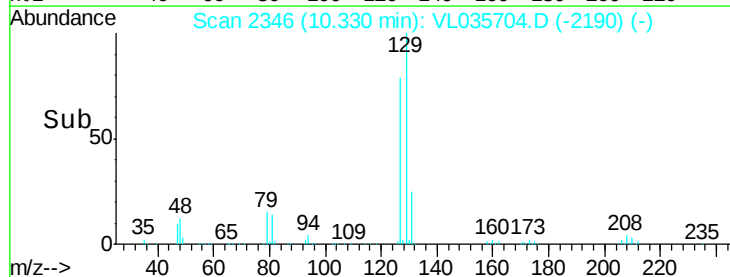
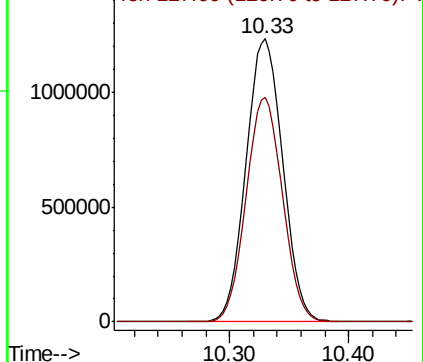
129 100

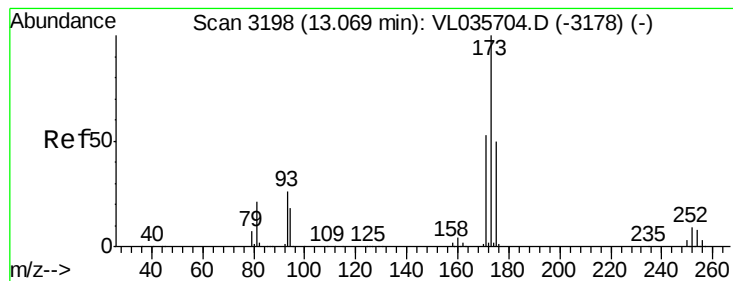
127 78.8 39.4 118.1



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 11.049 ppbv

RT: 13.07 min Scan# 3198

Delta R.T. 0.00 min

Lab File: VL035704.D

Acq: 23 Sep 2020 3:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

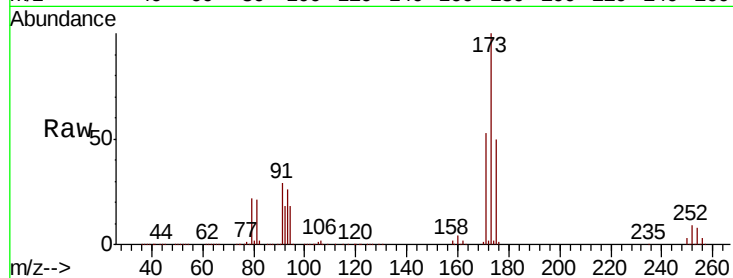
Tot Ion:173 Resp: 2349486

Ion Ratio Lower Upper

173 100

175 49.9 39.8 59.6

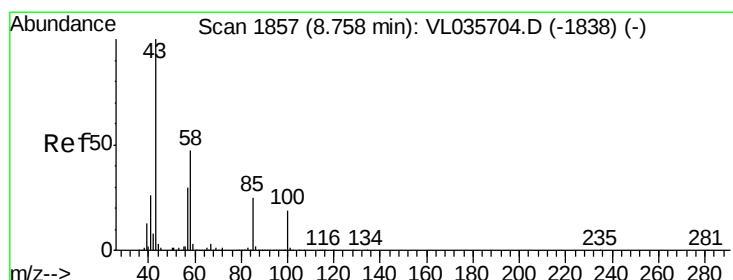
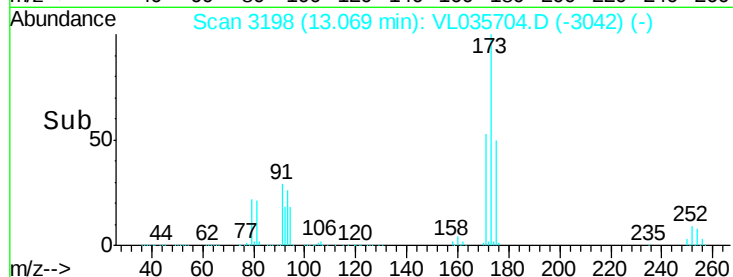
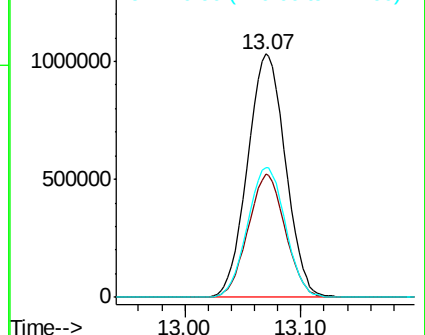
171 53.5 42.8 64.2



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: 11.310 ppbv

RT: 8.76 min Scan# 1857

Delta R.T. 0.00 min

Lab File: VL035704.D

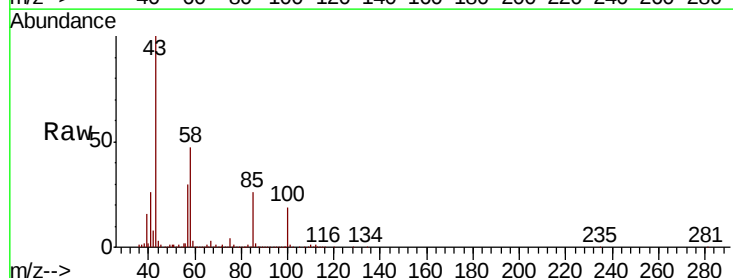
Acq: 23 Sep 2020 3:21

Tgt Ion: 43 Resp: 2348199

Ion Ratio Lower Upper

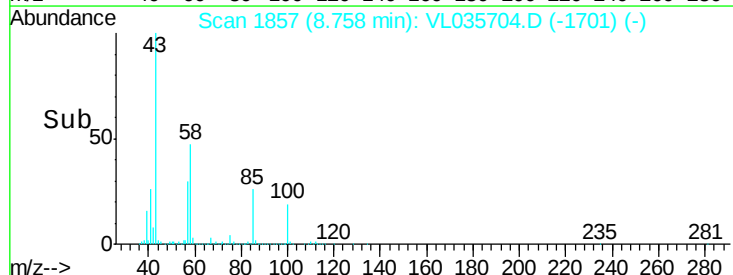
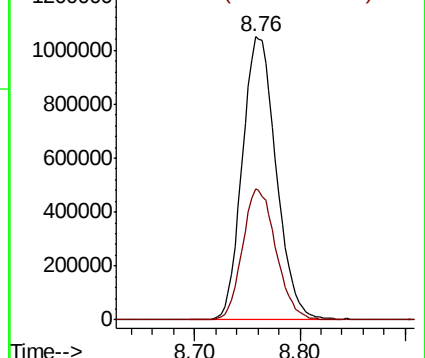
43 100

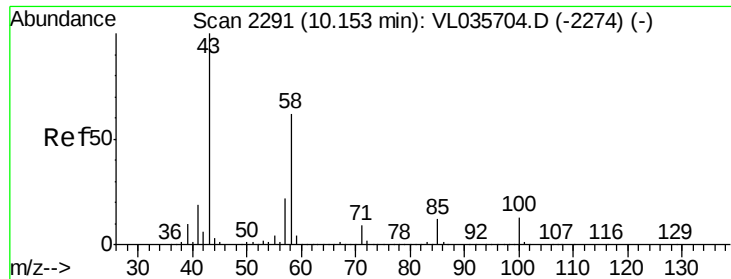
58 45.7 36.6 54.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 11.795 ppbv

RT: 10.15 min Scan# 2291

Delta R.T. 0.00 min

Lab File: VL035704.D

Acq: 23 Sep 2020 3:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

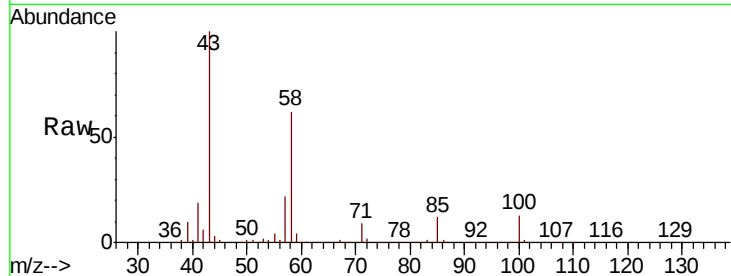
Tot Ion: 43 Resp: 2003172

Ion Ratio Lower Upper

43 100

58 60.8 48.7 73.1

98 0.9 0.7 1.1

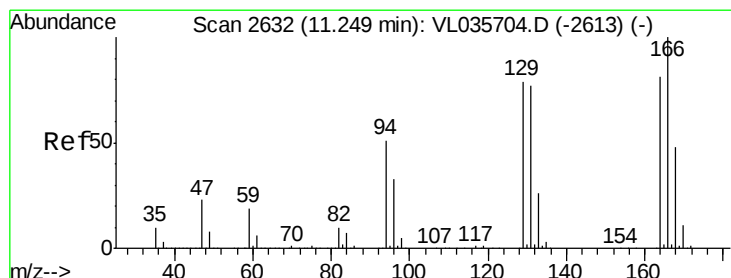
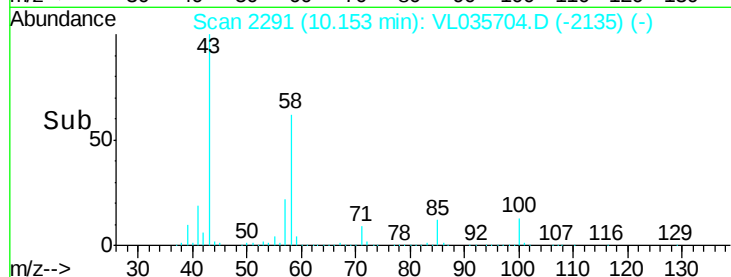
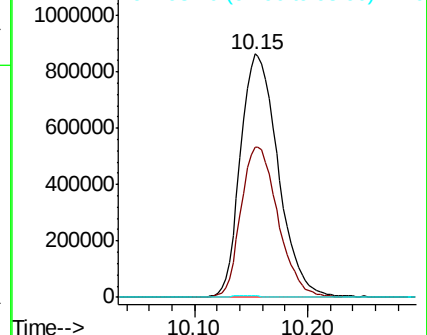


Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 8.513 ppbv

RT: 11.25 min Scan# 2632

Delta R.T. 0.00 min

Lab File: VL035704.D

Acq: 23 Sep 2020 3:21

Tgt Ion:164 Resp: 1489213

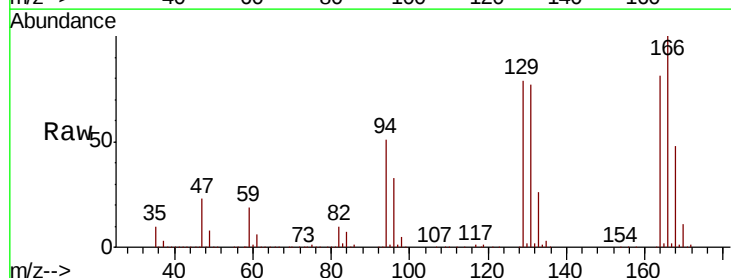
Ion Ratio Lower Upper

164 100

166 123.4 98.7 148.1

129 98.0 78.4 117.6

131 95.2 76.2 114.2



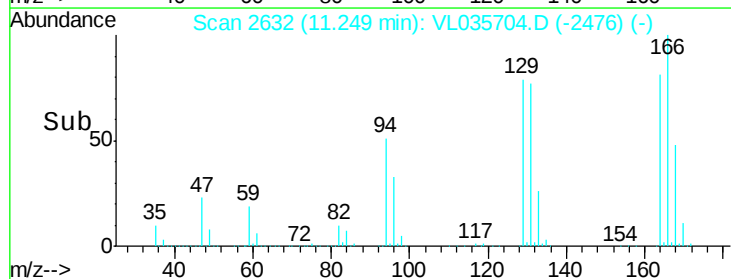
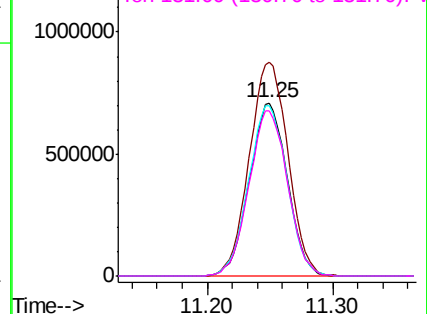
Abundance

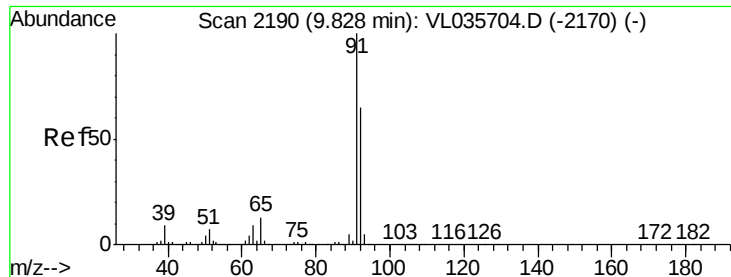
Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 10.361 ppbv

RT: 9.83 min Scan# 2190

Delta R.T. 0.00 min

Lab File: VL035704.D

Acq: 23 Sep 2020 3:21

Instrument :

MSVOA_L

ClientSampleId :

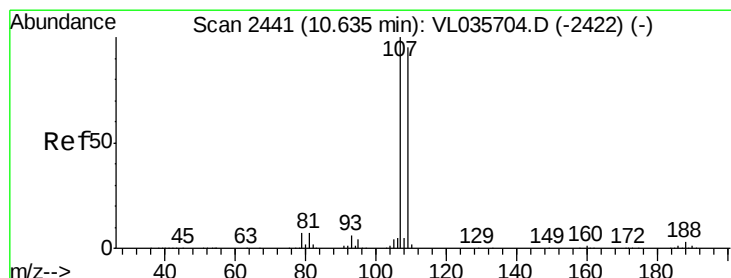
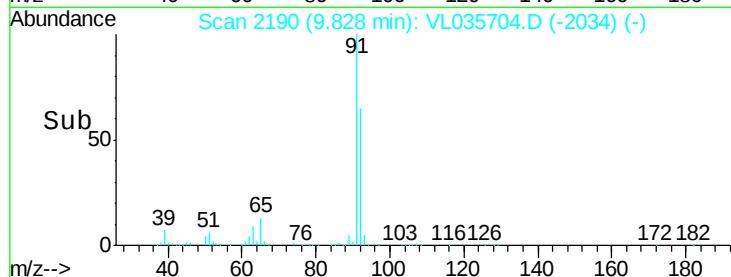
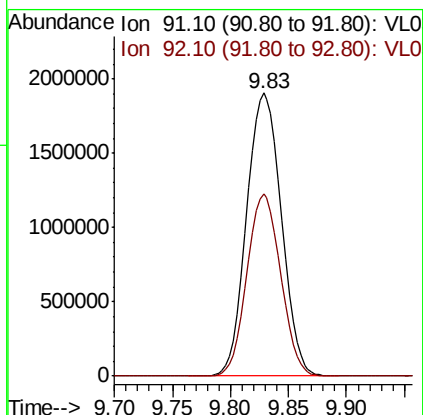
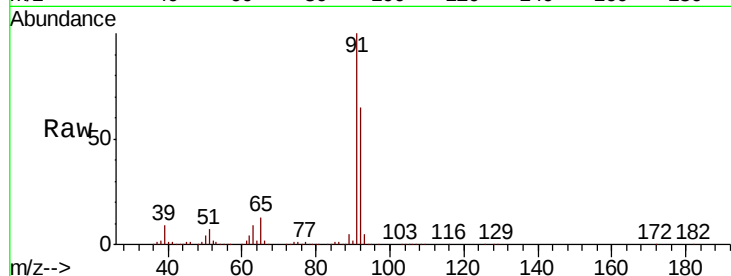
VSTDICCC010

Tot Ion: 91 Resp: 3989552

Ion Ratio Lower Upper

91 100

92 62.5 50.0 75.0



#54

1,2-Dibromoethane

Concen: 10.191 ppbv

RT: 10.64 min Scan# 2441

Delta R.T. 0.00 min

Lab File: VL035704.D

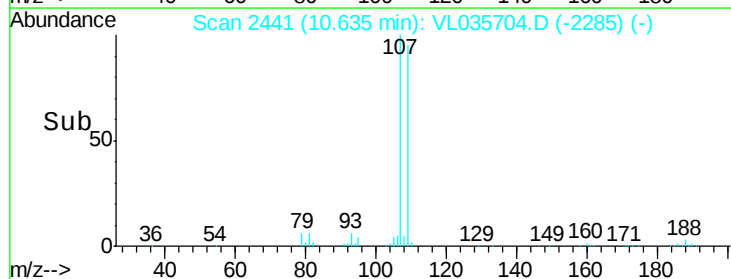
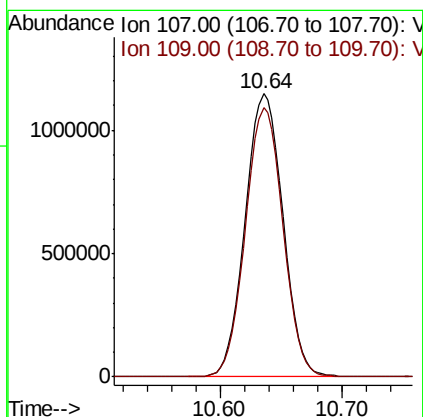
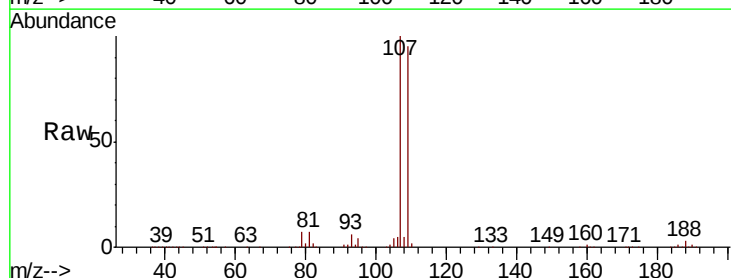
Acq: 23 Sep 2020 3:21

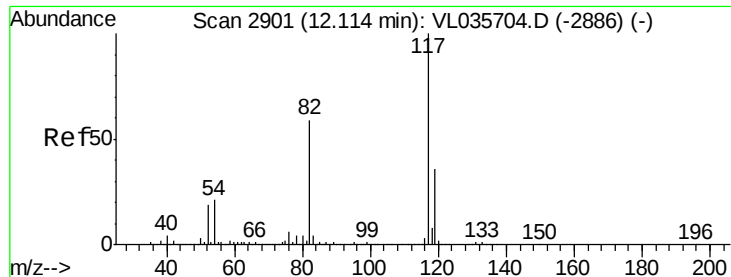
Tgt Ion: 107 Resp: 2453614

Ion Ratio Lower Upper

107 100

109 95.0 76.0 114.0

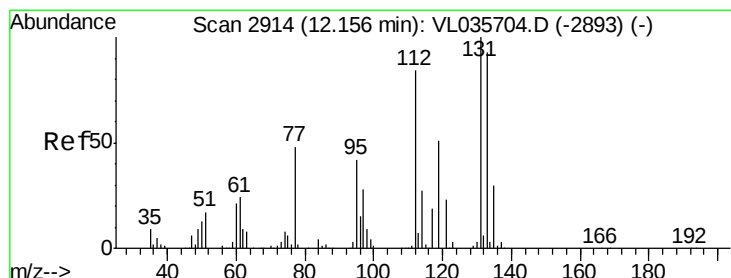
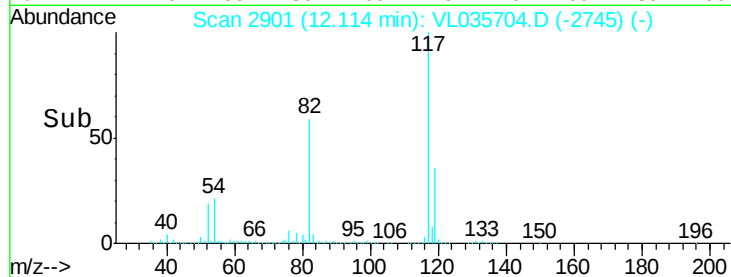
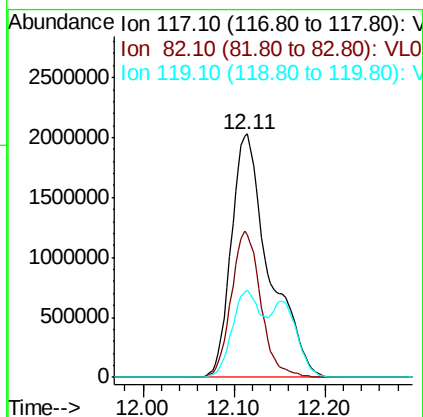
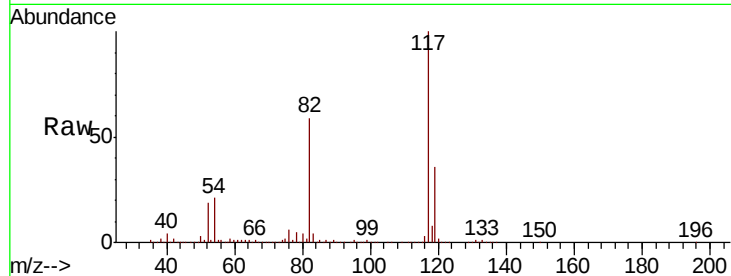




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2901
Delta R.T. 0.00 min
Lab File: VL035704.D
Acq: 23 Sep 2020 3:21

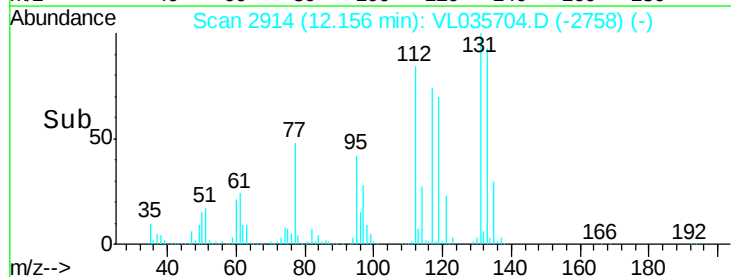
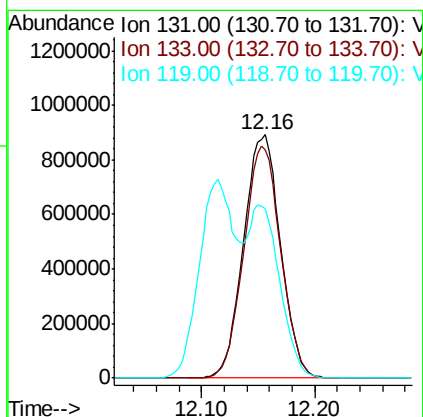
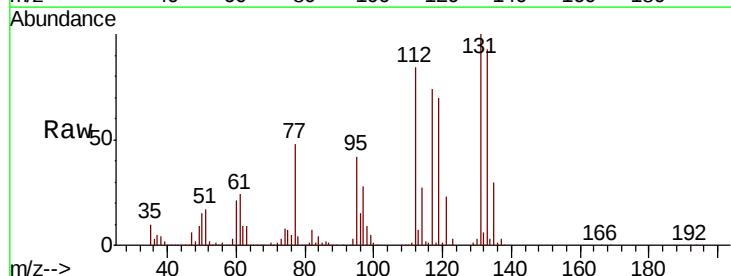
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

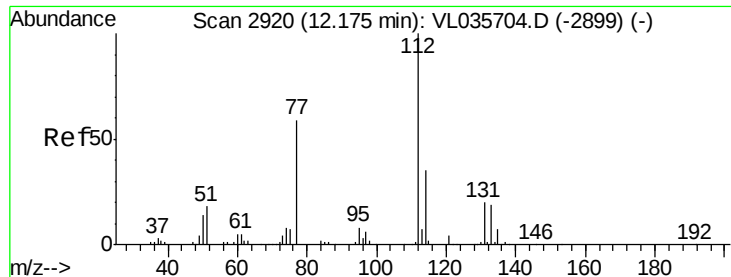
Tot Ion:117 Resp: 5884158
Ion Ratio Lower Upper
117 100
82 46.8 46.1 69.1
119 26.7 28.0 42.0#



#56
1,1,1,2-Tetrachloroethane
Concen: 8.390 ppbv
RT: 12.16 min Scan# 2914
Delta R.T. 0.00 min
Lab File: VL035704.D
Acq: 23 Sep 2020 3:21

Tgt Ion:131 Resp: 2027930
Ion Ratio Lower Upper
131 100
133 95.3 76.2 114.4
119 60.9 52.4 78.6

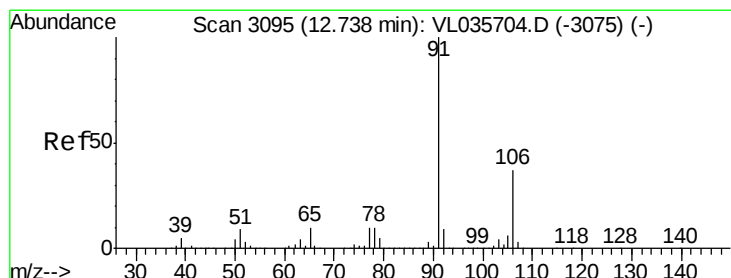
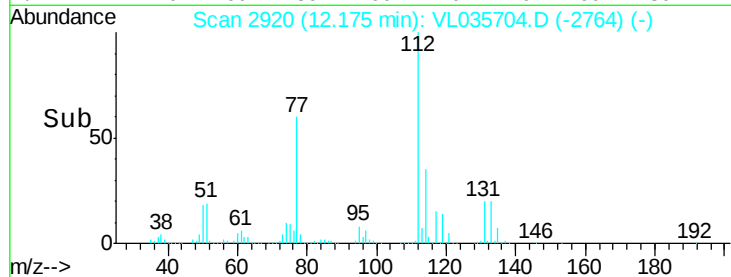
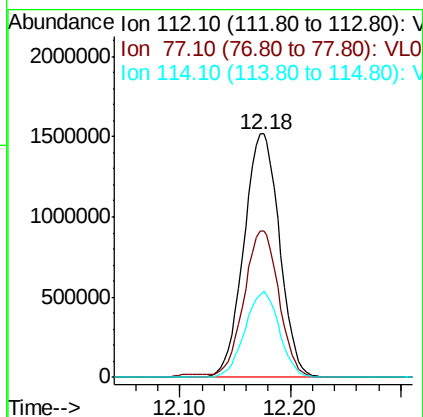
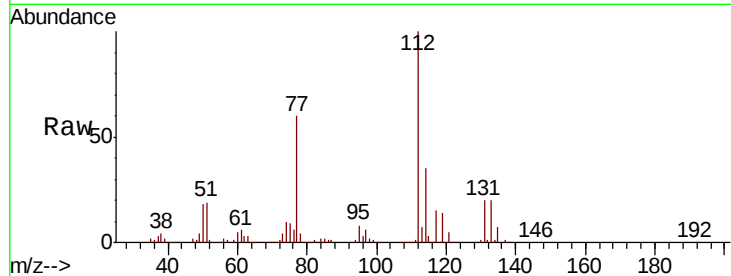




#57
Chlorobenzene
Concen: 7.735 ppbv
RT: 12.18 min Scan# 2920
Delta R.T. 0.00 min
Lab File: VL035704.D
Acq: 23 Sep 2020 3:21

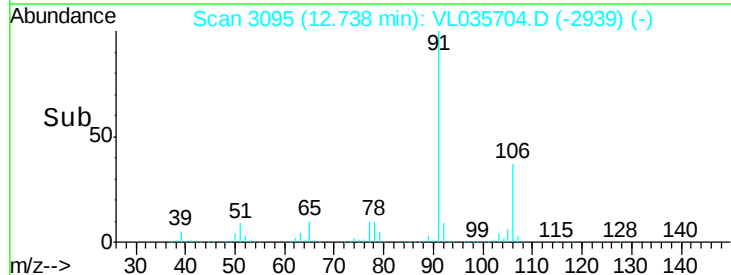
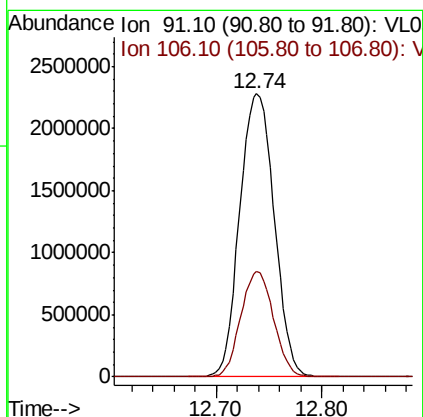
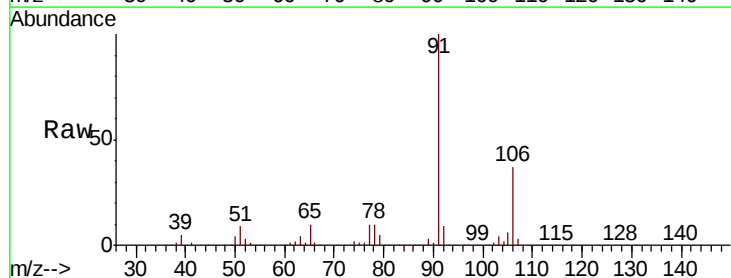
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

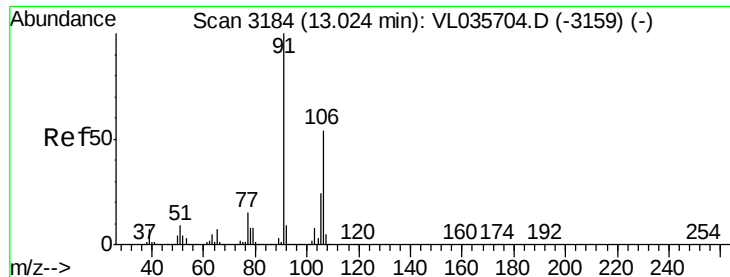
Tot Ion:112 Resp: 3395159
Ion Ratio Lower Upper
112 100
77 60.2 48.2 72.2
114 35.5 31.9 39.1



#58
Ethyl Benzene
Concen: 8.411 ppbv
RT: 12.74 min Scan# 3095
Delta R.T. 0.00 min
Lab File: VL035704.D
Acq: 23 Sep 2020 3:21

Tgt Ion: 91 Resp: 5197470
Ion Ratio Lower Upper
91 100
106 37.1 29.7 44.5

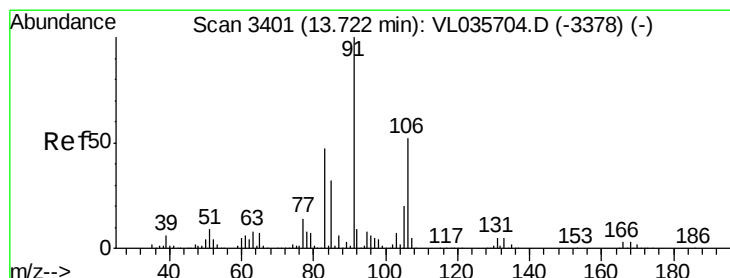
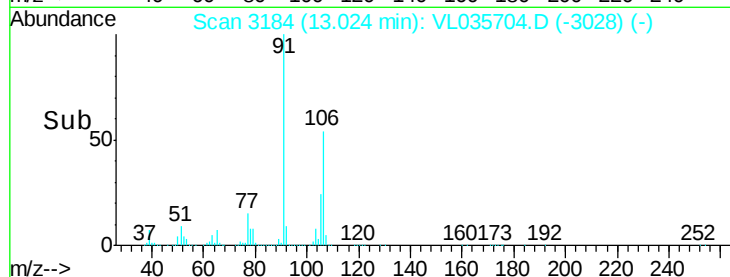
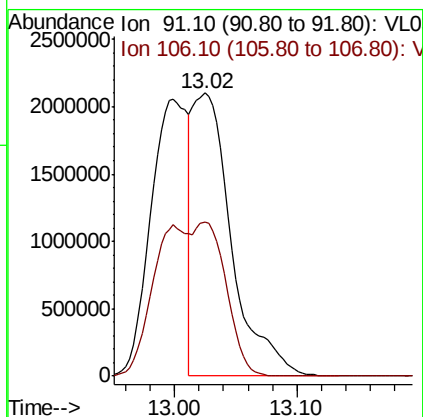
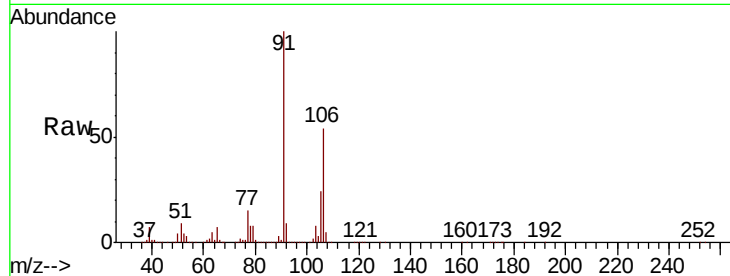




#59
m/p-Xylene
Concen: 8.916 ppbv
RT: 13.02 min Scan# 3184
Delta R.T. 0.00 min
Lab File: VL035704.D
Acq: 23 Sep 2020 3:21

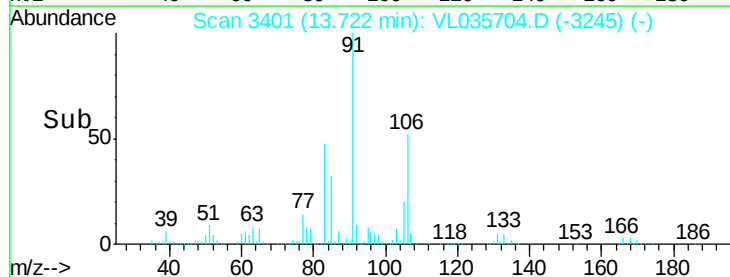
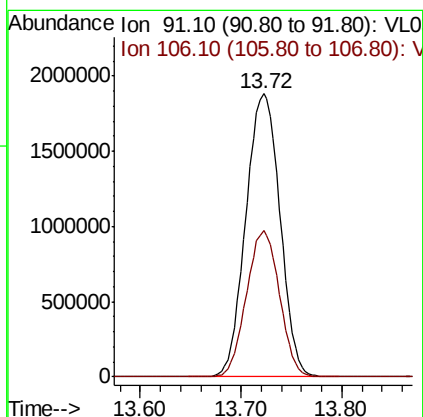
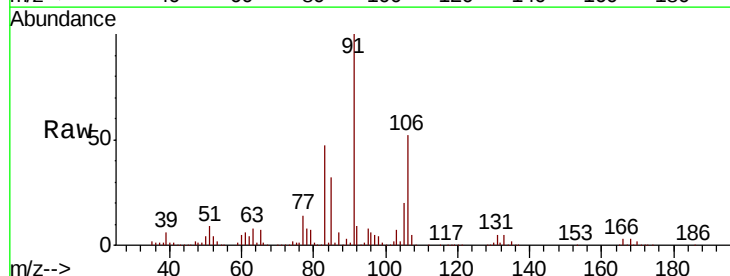
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

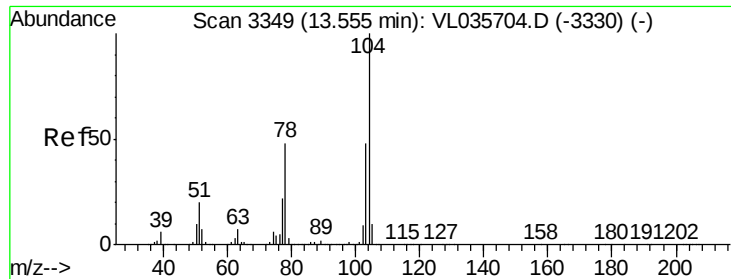
Tot Ion: 91 Resp: 4633779
Ion Ratio Lower Upper
91 100
106 97.0 41.4 62.0#



#60
o-Xylene
Concen: 8.444 ppbv
RT: 13.72 min Scan# 3401
Delta R.T. 0.00 min
Lab File: VL035704.D
Acq: 23 Sep 2020 3:21

Tgt Ion: 91 Resp: 4413352
Ion Ratio Lower Upper
91 100
106 50.0 25.0 75.0

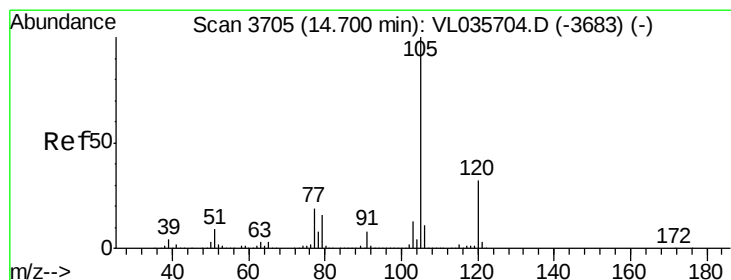
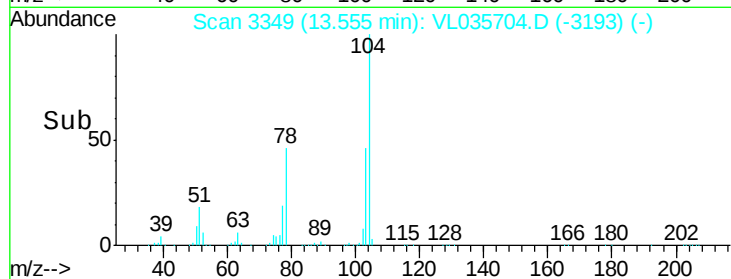
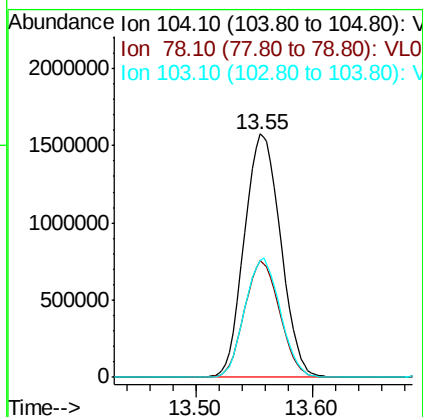
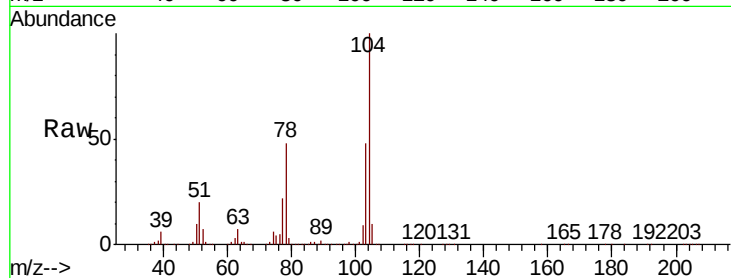




#61
Stvrene
Concen: 8.724 ppbv
RT: 13.55 min Scan# 3349
Delta R.T. 0.00 min
Lab File: VL035704.D
Acq: 23 Sep 2020 3:21

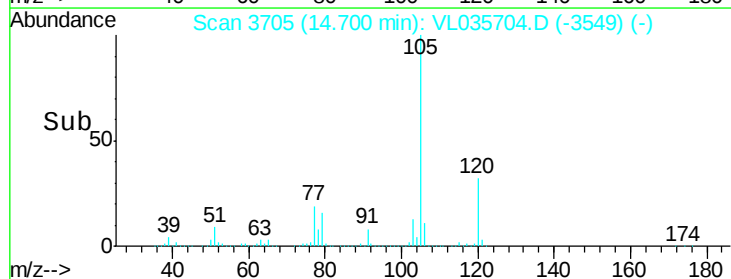
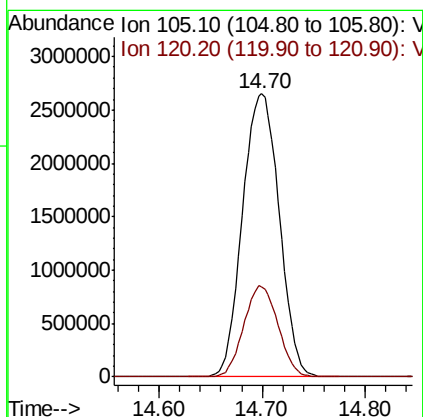
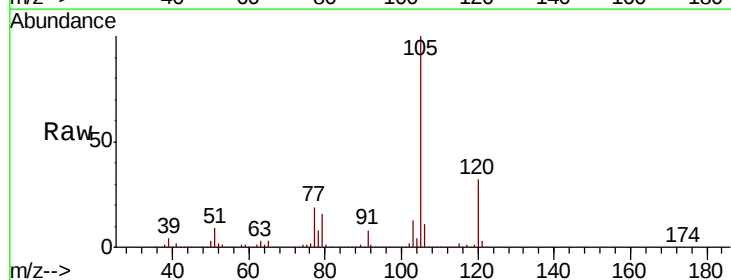
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

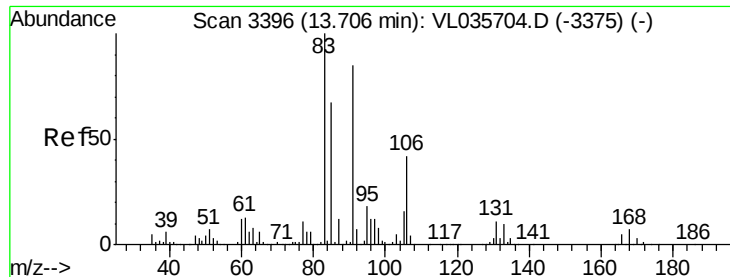
Tot Ion:104 Resp: 3443455
Ion Ratio Lower Upper
104 100
78 46.5 37.2 55.8
103 47.7 38.2 57.2



#62
Isopropylbenzene
Concen: 7.878 ppbv
RT: 14.70 min Scan# 3705
Delta R.T. 0.00 min
Lab File: VL035704.D
Acq: 23 Sep 2020 3:21

Tgt Ion:105 Resp: 6557498
Ion Ratio Lower Upper
105 100
120 30.1 24.1 36.1

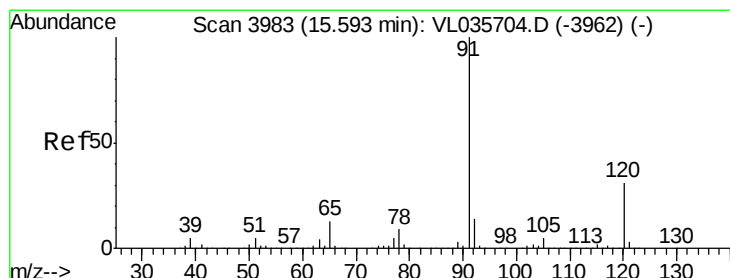
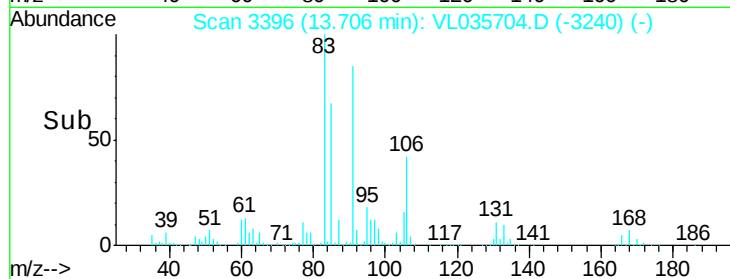
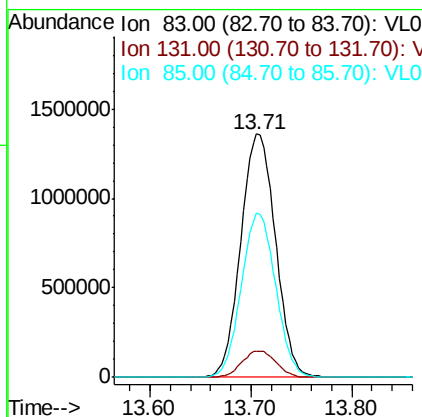
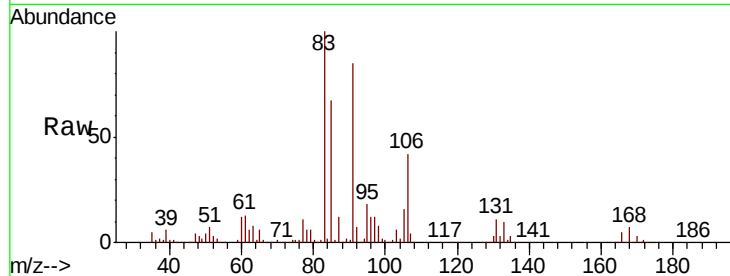




#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.032 ppbv
 RT: 13.71 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VL035704.D
 Acq: 23 Sep 2020 3:21

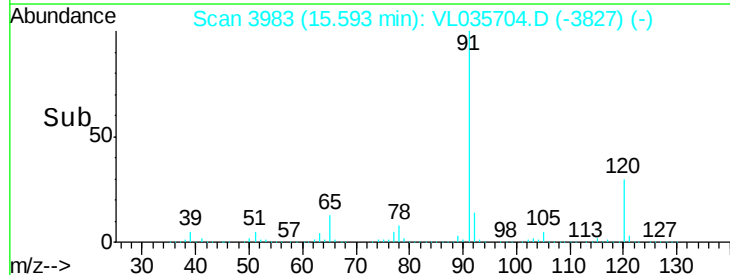
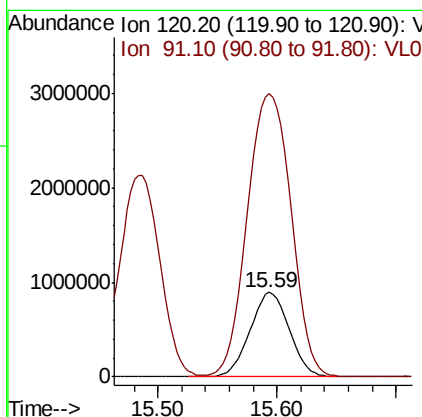
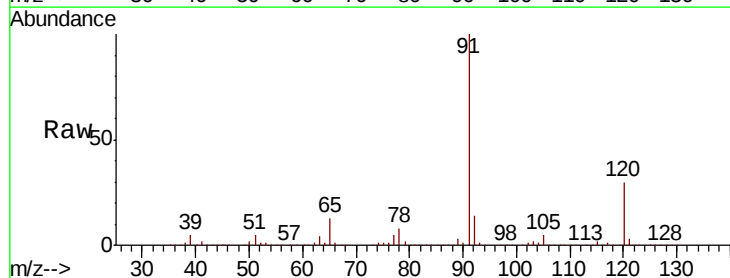
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

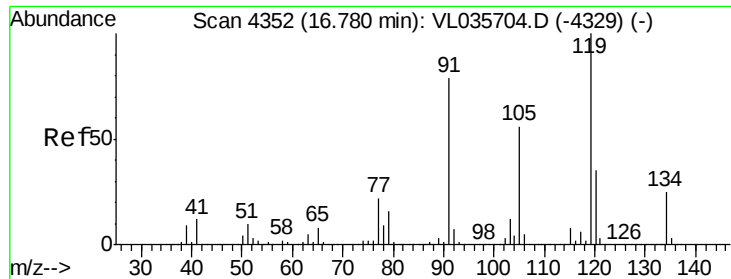
Tot Ion: 83 Resp: 3248851
 Ion Ratio Lower Upper
 83 100
 131 10.6 5.3 16.1
 85 66.7 33.4 100.2



#64
 n-propylbenzene
 Concen: 8.090 ppbv
 RT: 15.59 min Scan# 3983
 Delta R.T. 0.00 min
 Lab File: VL035704.D
 Acq: 23 Sep 2020 3:21

Tgt Ion:120 Resp: 2038869
 Ion Ratio Lower Upper
 120 100
 91 375.7 300.4 450.6

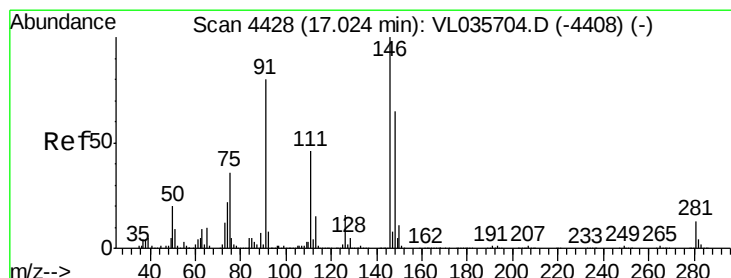
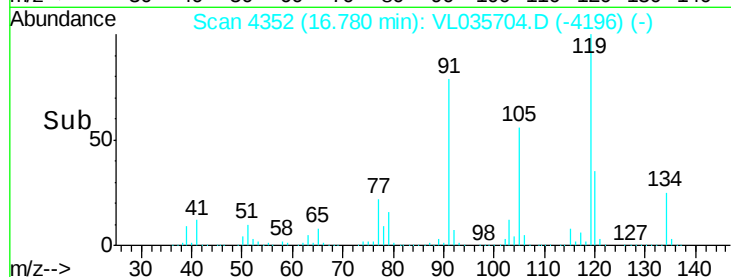
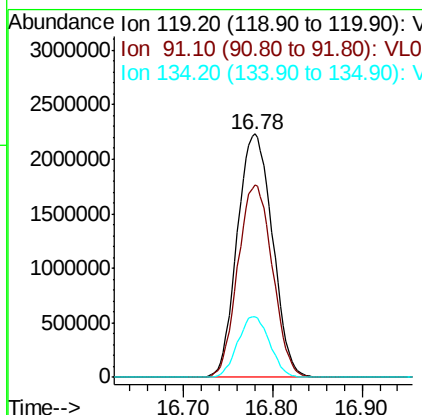
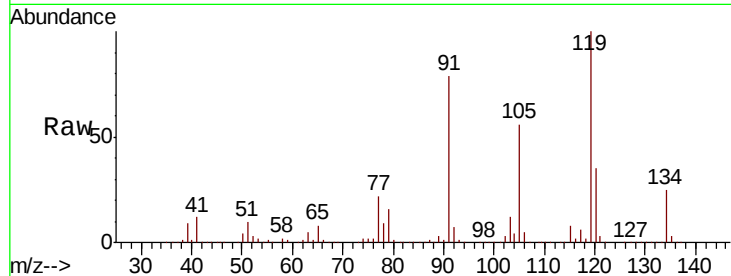




#65
 tert-Butylbenzene
 Concen: 7.921 ppbv
 RT: 16.78 min Scan# 4352
 Delta R.T. 0.00 min
 Lab File: VL035704.D
 Acq: 23 Sep 2020 3:21

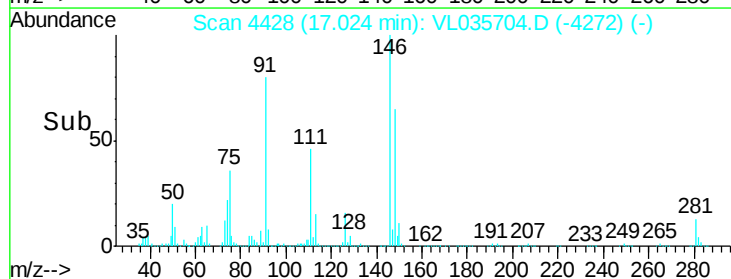
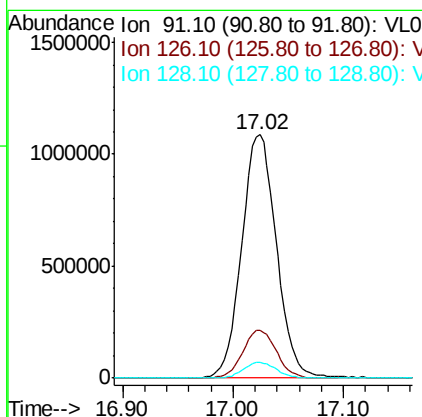
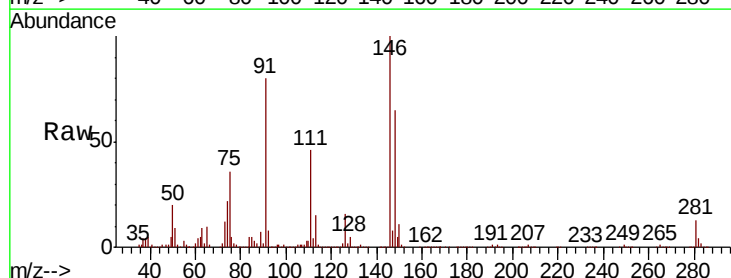
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

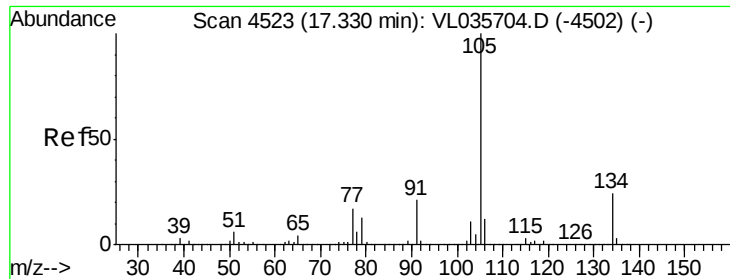
Tot Ion:119 Resp: 6102515
 Ion Ratio Lower Upper
 119 100
 91 78.0 62.4 93.6
 134 22.7 18.2 27.2



#66
 Benzyl Chloride
 Concen: 11.975 ppbv
 RT: 17.02 min Scan# 4428
 Delta R.T. 0.00 min
 Lab File: VL035704.D
 Acq: 23 Sep 2020 3:21

Tgt Ion: 91 Resp: 2368310
 Ion Ratio Lower Upper
 91 100
 126 19.1 15.3 22.9
 128 6.2 5.0 7.4

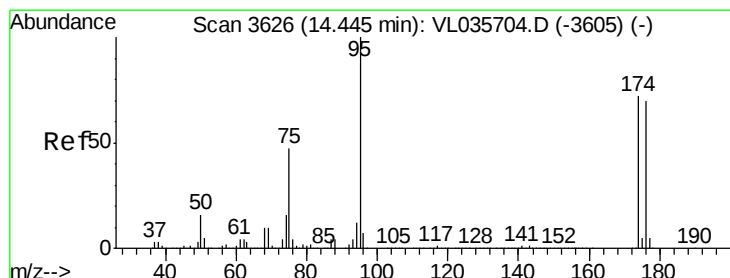
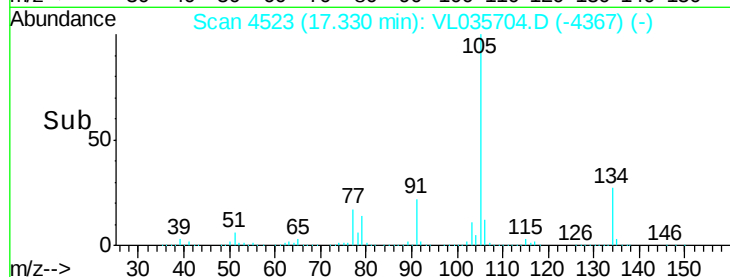
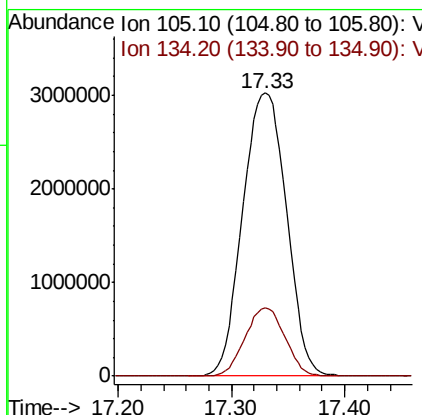
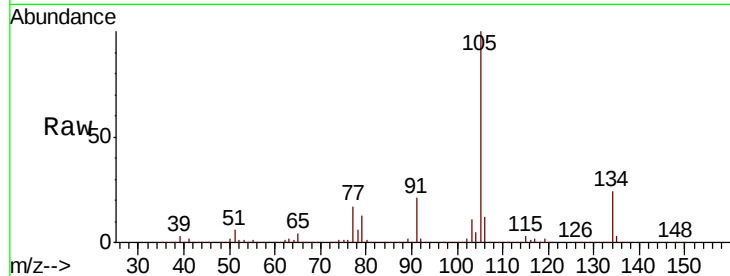




#67
 sec-Butylbenzene
 Concen: 7.887 ppbv
 RT: 17.33 min Scan# 4523
 Delta R.T. 0.00 min
 Lab File: VL035704.D
 Acq: 23 Sep 2020 3:21

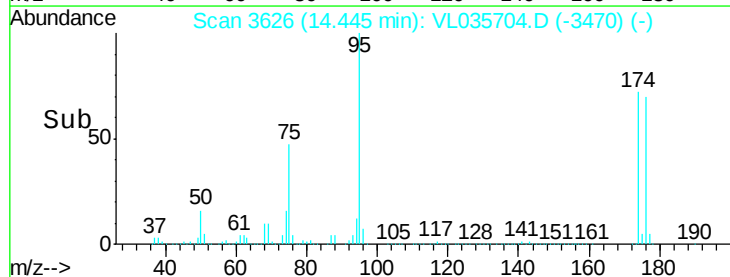
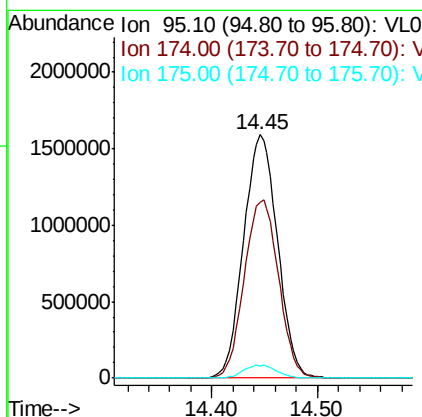
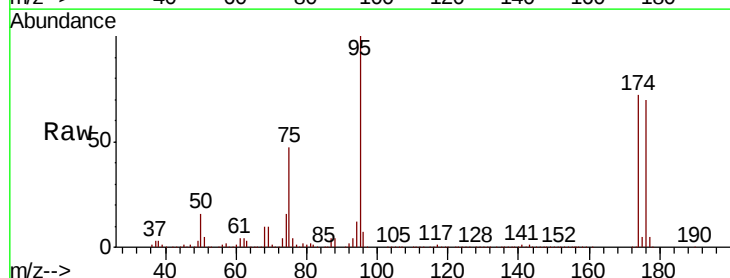
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

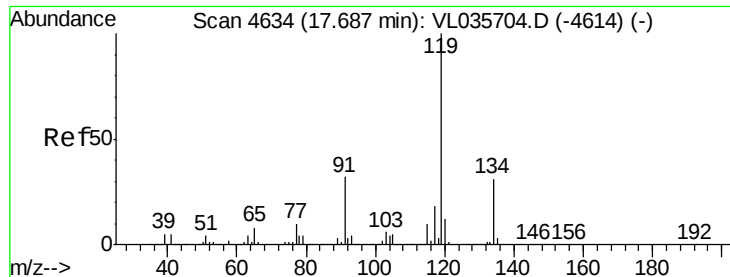
Tot Ion:105 Resp: 8142435
 Ion Ratio Lower Upper
 105 100
 134 22.0 17.6 26.4



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.445 ppbv
 RT: 14.45 min Scan# 3626
 Delta R.T. 0.00 min
 Lab File: VL035704.D
 Acq: 23 Sep 2020 3:21

Tgt Ion: 95 Resp: 3570550
 Ion Ratio Lower Upper
 95 100
 174 74.4 59.6 89.4
 175 5.3 4.2 6.4

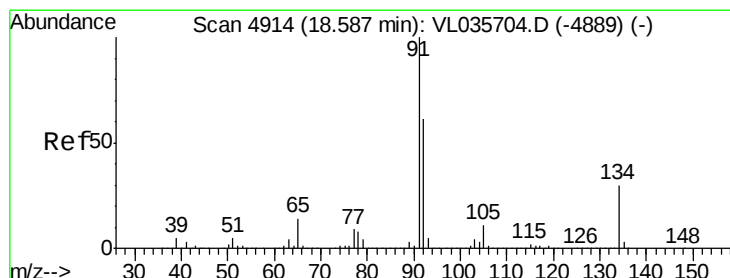
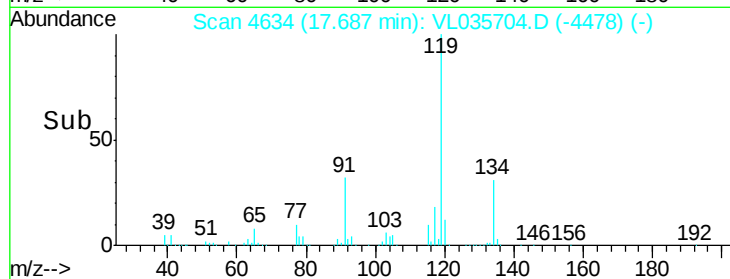
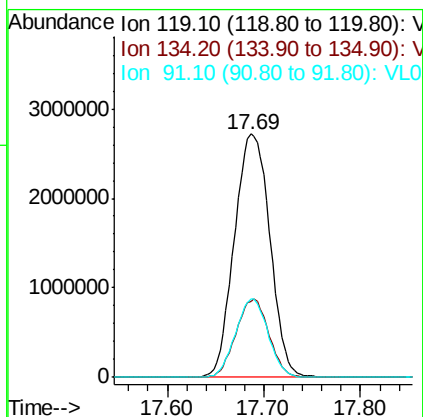
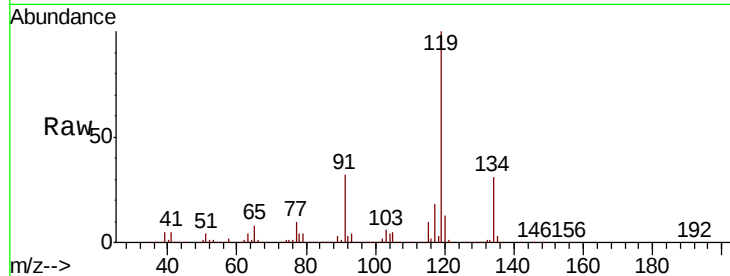




#69
 p-Isopropyltoluene
 Concen: 7.724 ppbv
 RT: 17.69 min Scan# 4634
 Delta R.T. 0.00 min
 Lab File: VL035704.D
 Acq: 23 Sep 2020 3:21

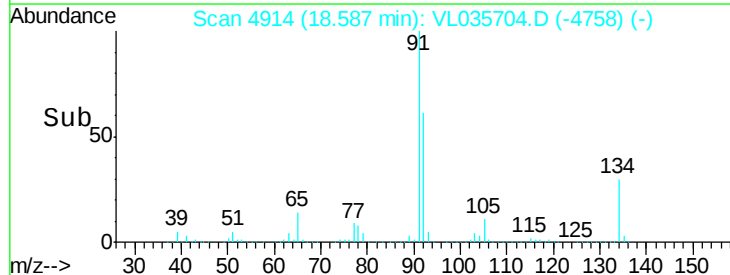
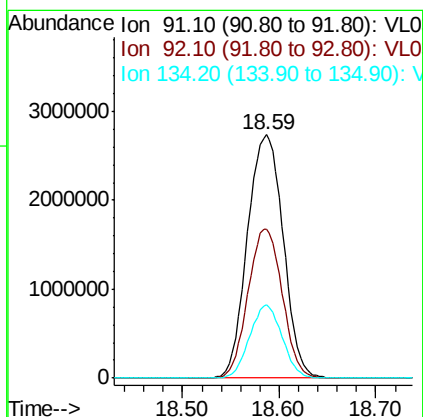
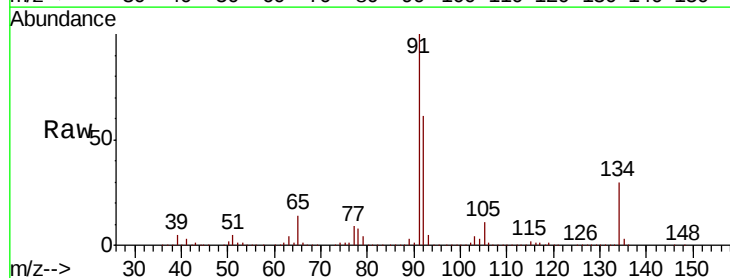
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

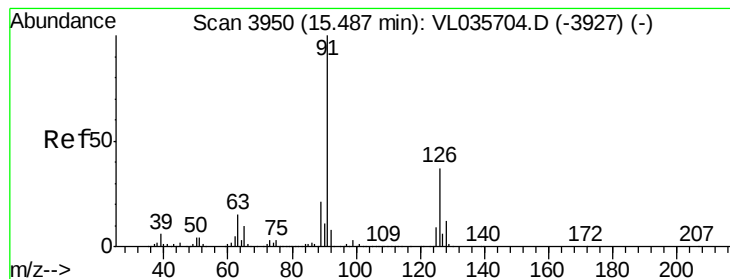
Tot Ion: 119 Resp: 6932326
 Ion Ratio Lower Upper
 119 100
 134 29.9 23.9 35.9
 91 29.7 23.8 35.6



#70
 n-Butylbenzene
 Concen: 8.041 ppbv
 RT: 18.59 min Scan# 4914
 Delta R.T. 0.00 min
 Lab File: VL035704.D
 Acq: 23 Sep 2020 3:21

Tgt Ion: 91 Resp: 7018194
 Ion Ratio Lower Upper
 91 100
 92 58.7 47.0 70.4
 134 27.4 21.9 32.9





#71

2-Chlorotoluene

Concen: 8.351 ppbv

RT: 15.49 min Scan# 3950

Delta R.T. 0.00 min

Lab File: VL035704.D

Acq: 23 Sep 2020 3:21

Instrument :

MSVOA_L

ClientSampleId :

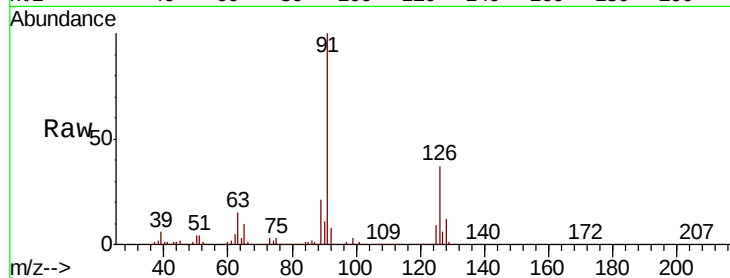
VSTDICCC010

Tot Ion: 91 Resp: 5083590

Ion Ratio Lower Upper

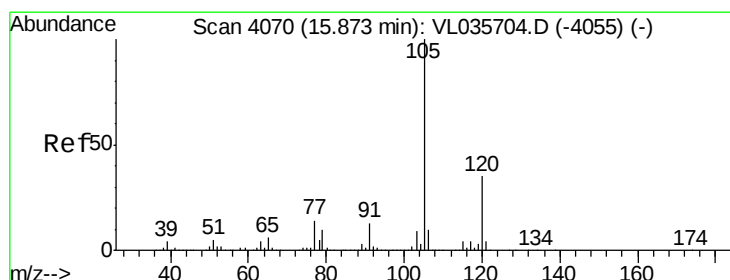
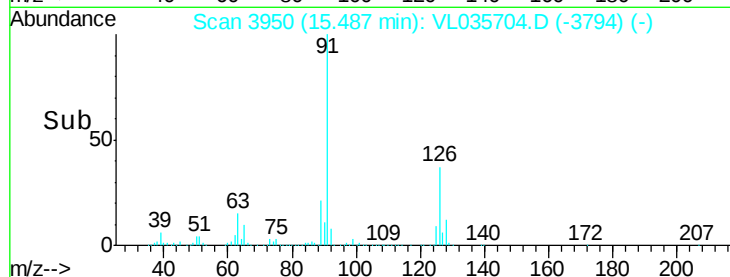
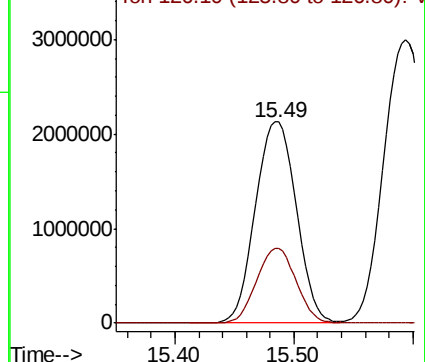
91 100

126 35.9 14.4 57.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 8.263 ppbv

RT: 15.87 min Scan# 4070

Delta R.T. 0.00 min

Lab File: VL035704.D

Acq: 23 Sep 2020 3:21

Tgt Ion:105 Resp: 5433355

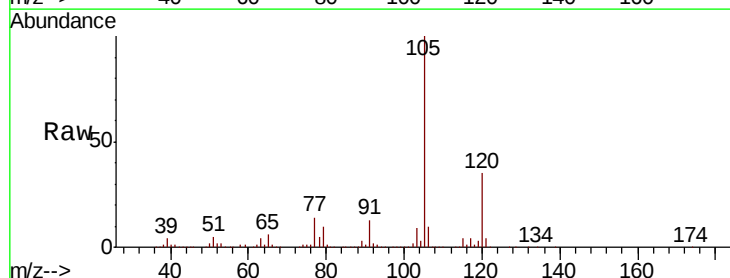
Ion Ratio Lower Upper

105 100

120 33.1 26.5 39.7

91 12.6 10.2 15.2

77 13.0 10.3 15.5

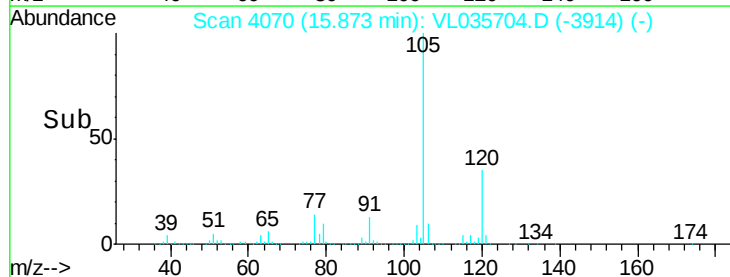
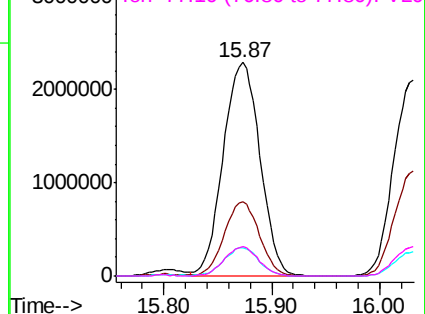


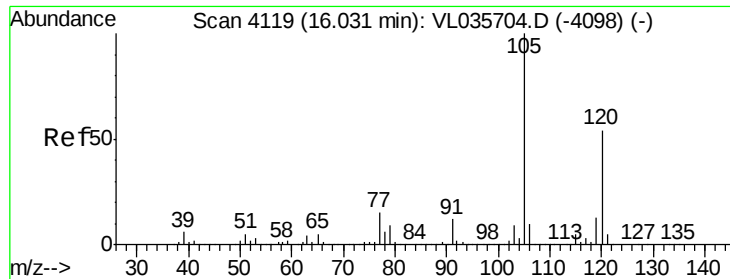
Abundance Ion 105.10 (104.80 to 105.80): V

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

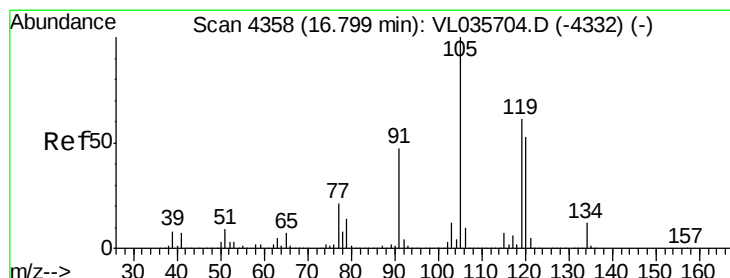
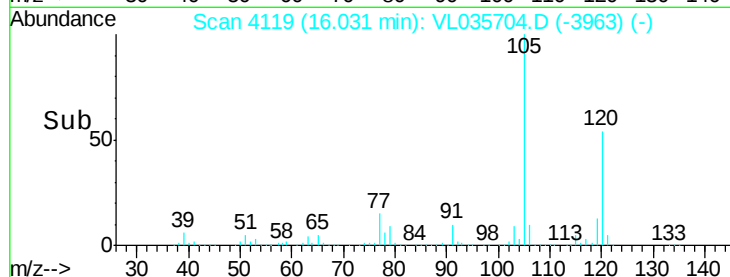
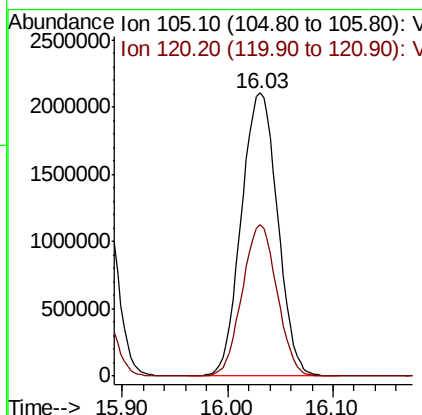
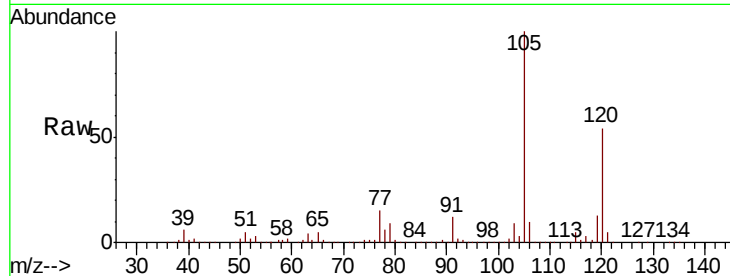




#73
 1,3,5-Trimethylbenzene
 Concen: 8.265 ppbv
 RT: 16.03 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VL035704.D
 Acq: 23 Sep 2020 3:21

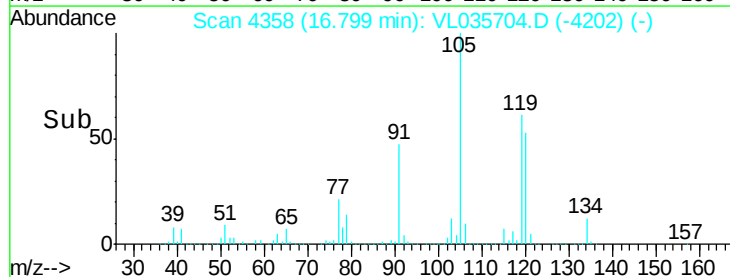
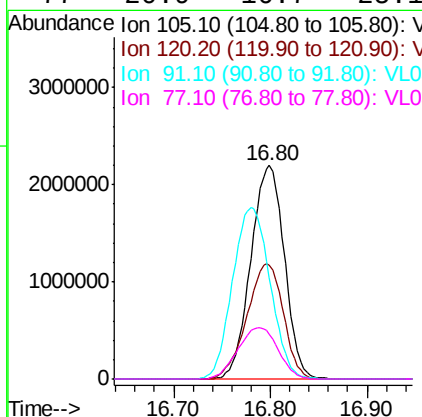
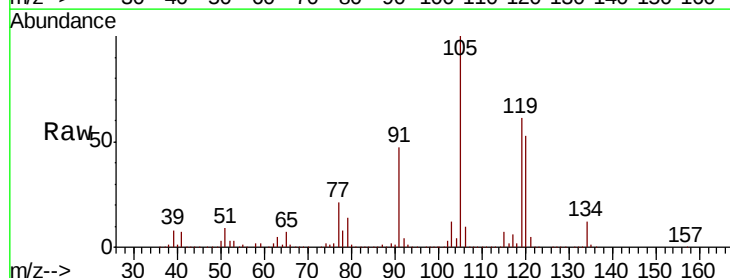
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

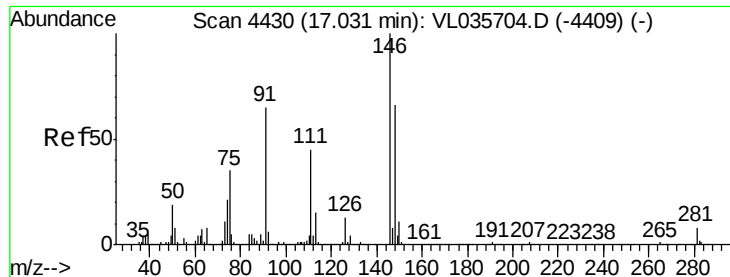
Tot Ion:105 Resp: 5031873
 Ion Ratio Lower Upper
 105 100
 120 53.7 43.0 64.4



#74
 1,2,4-Trimethylbenzene
 Concen: 7.920 ppbv
 RT: 16.80 min Scan# 4358
 Delta R.T. 0.00 min
 Lab File: VL035704.D
 Acq: 23 Sep 2020 3:21

Tgt Ion:105 Resp: 5300523
 Ion Ratio Lower Upper
 105 100
 120 53.1 42.5 63.7
 91 47.1 37.7 56.5
 77 20.9 16.7 25.1

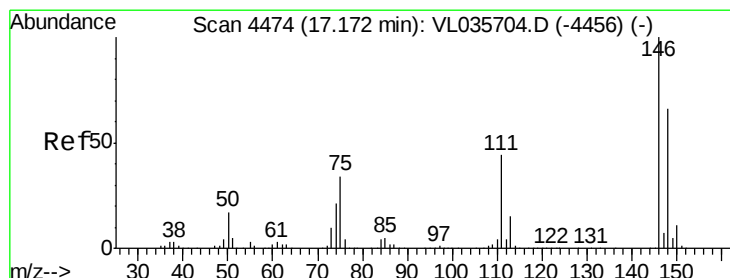
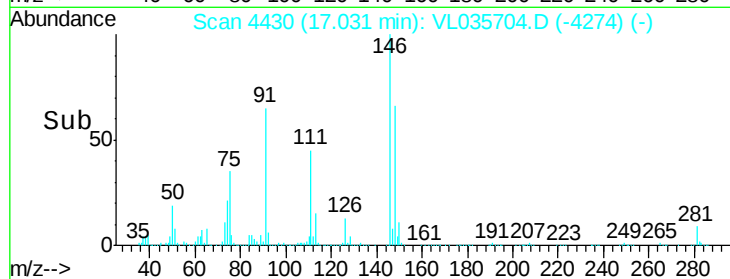
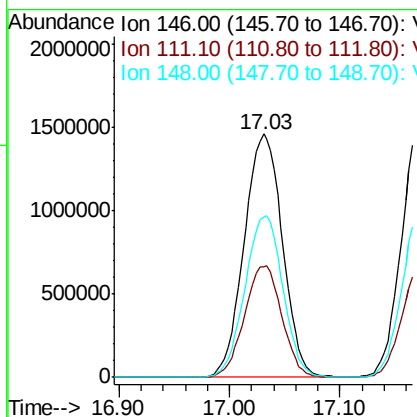
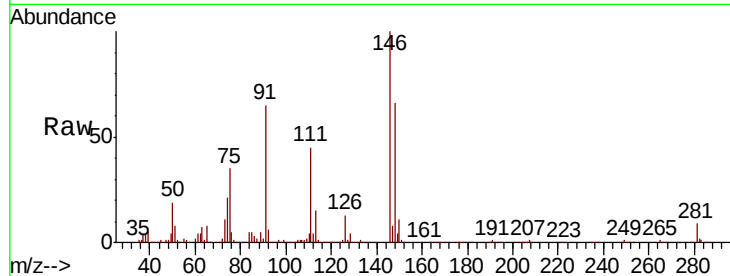




#75
 1,3-Dichlorobenzene
 Concen: 7.223 ppbv
 RT: 17.03 min Scan# 4430
 Delta R.T. 0.00 min
 Lab File: VL035704.D
 Acq: 23 Sep 2020 3:21

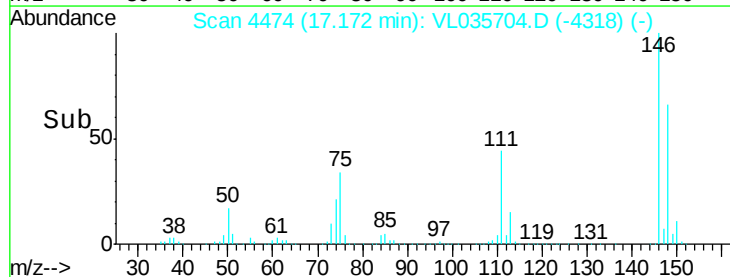
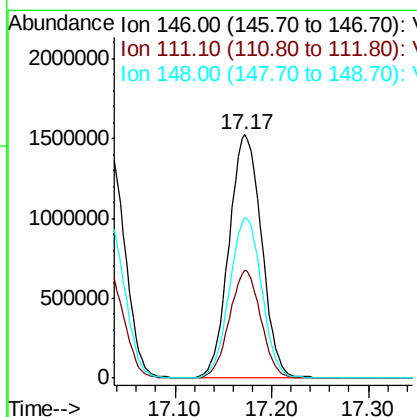
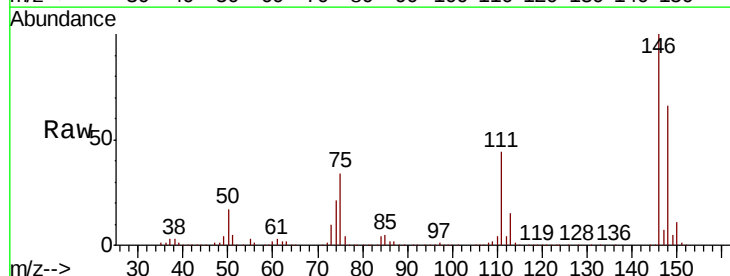
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

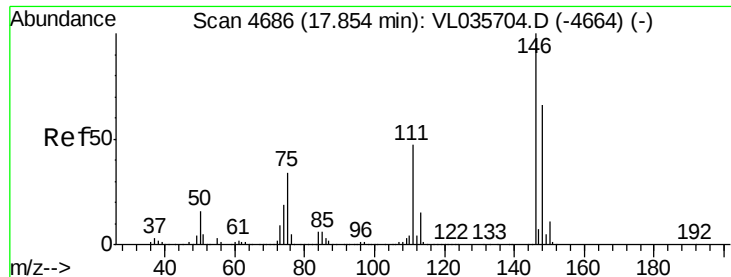
Tot Ion:146 Resp: 3509797
 Ion Ratio Lower Upper
 146 100
 111 44.7 22.4 67.0
 148 66.0 33.0 99.0



#76
 1,4-Dichlorobenzene
 Concen: 7.430 ppbv
 RT: 17.17 min Scan# 4474
 Delta R.T. 0.00 min
 Lab File: VL035704.D
 Acq: 23 Sep 2020 3:21

Tgt Ion:146 Resp: 3561166
 Ion Ratio Lower Upper
 146 100
 111 43.0 21.4 64.3
 148 65.3 32.6 98.0



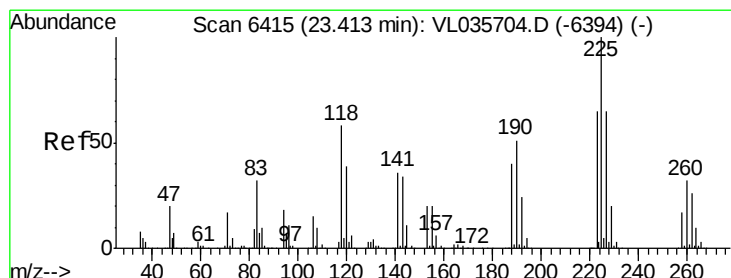
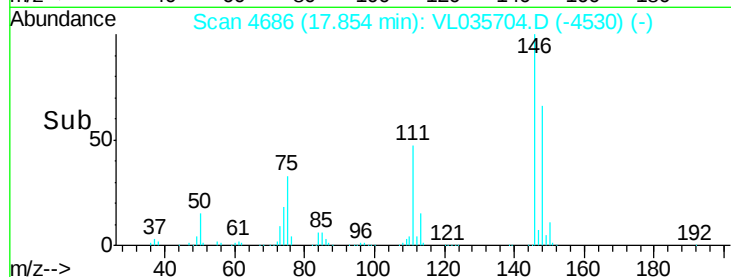
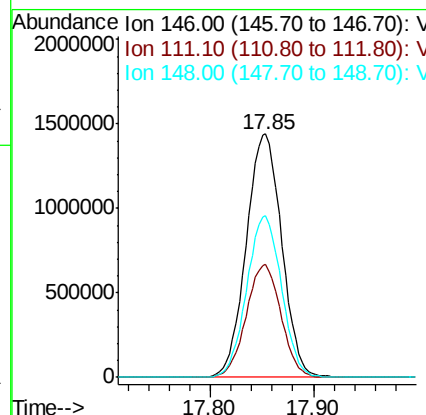
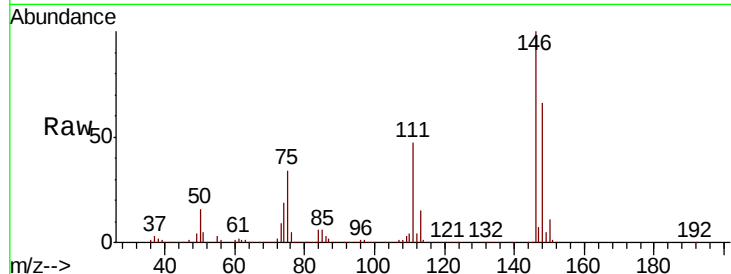


#77
 1,2-Dichlorobenzene
 Concen: 7.307 ppbv
 RT: 17.85 min Scan# 4686
 Delta R.T. 0.00 min
 Lab File: VL035704.D
 Acq: 23 Sep 2020 3:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion:146 Resp: 3437867

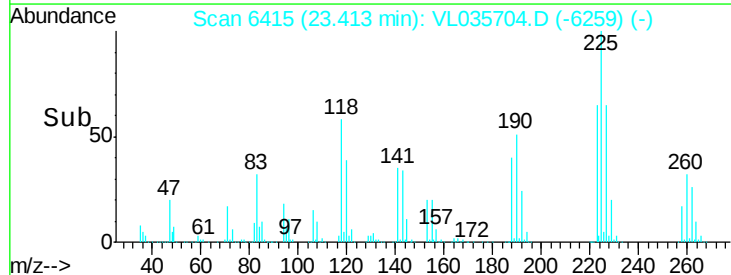
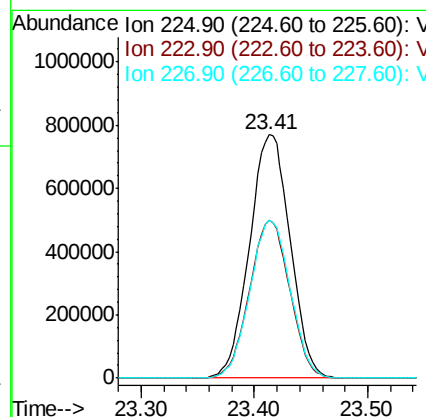
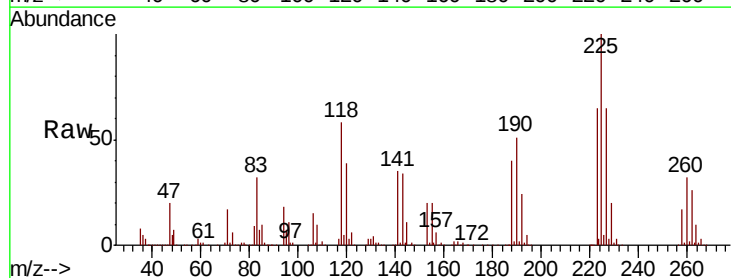
Ion	Ratio	Lower	Upper
146	100		
111	45.7	22.9	68.5
148	65.3	32.6	98.0

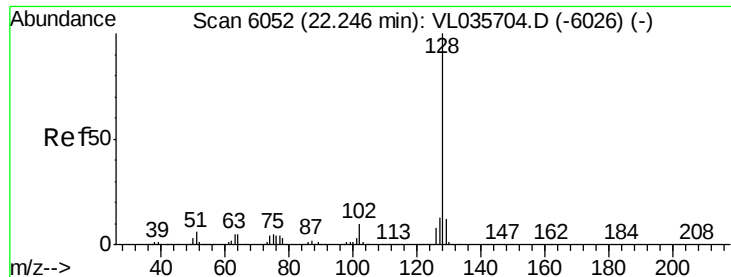


#78
 Hexachloro-1,3-Butadiene
 Concen: 6.539 ppbv
 RT: 23.41 min Scan# 6415
 Delta R.T. 0.00 min
 Lab File: VL035704.D
 Acq: 23 Sep 2020 3:21

Tgt Ion:225 Resp: 1924960

Ion	Ratio	Lower	Upper
225	100		
223	64.1	51.3	76.9
227	64.5	51.6	77.4





#79

Naphthalene

Concen: 7.679 ppbv

RT: 22.25 min Scan# 6052

Delta R.T. 0.00 min

Lab File: VL035704.D

Acq: 23 Sep 2020 3:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

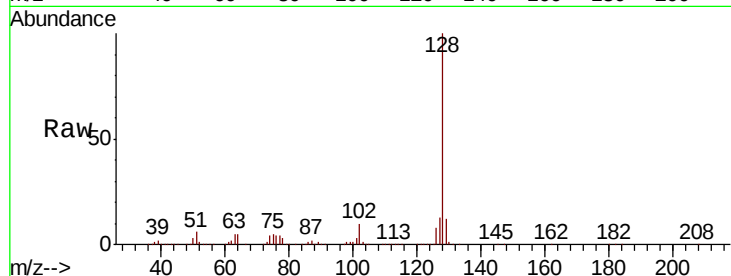
Tot Ion:128 Resp: 5517860

Ion Ratio Lower Upper

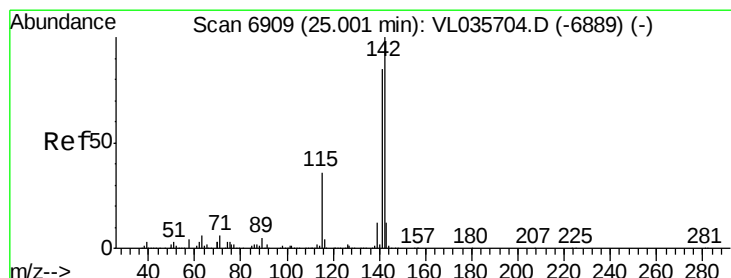
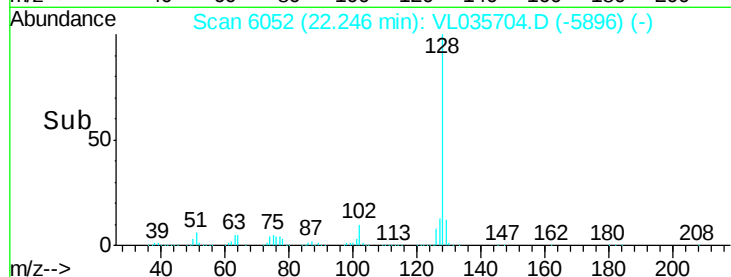
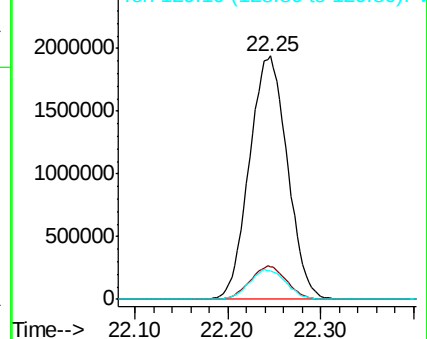
128 100

127 13.2 10.6 15.8

129 11.7 9.4 14.0



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: 7.683 ppbv

RT: 25.00 min Scan# 6909

Delta R.T. 0.00 min

Lab File: VL035704.D

Acq: 23 Sep 2020 3:21

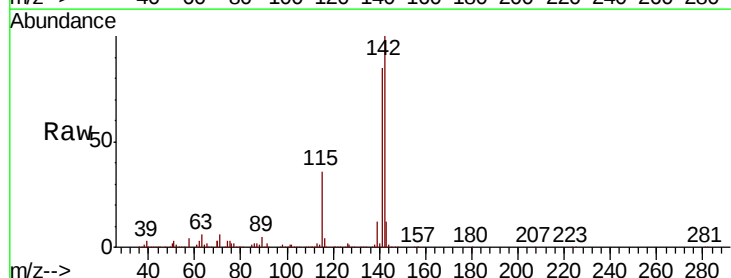
Tgt Ion:142 Resp: 1796809

Ion Ratio Lower Upper

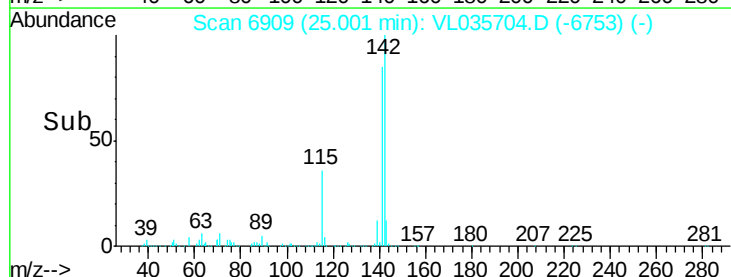
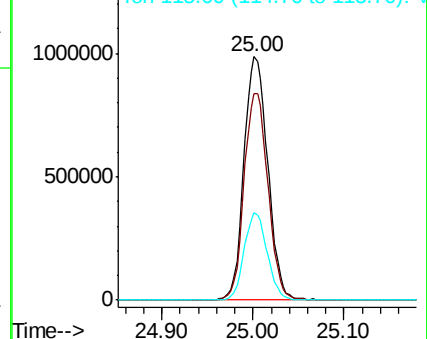
142 100

141 85.5 68.2 102.4

115 34.8 27.8 41.6



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





#81

1,2,4-Trichlorobenzene

Concen: 6.593 ppbv

RT: 21.97 min Scan# 5967

Delta R.T. 0.00 min

Lab File: VL035704.D

Acq: 23 Sep 2020 3:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

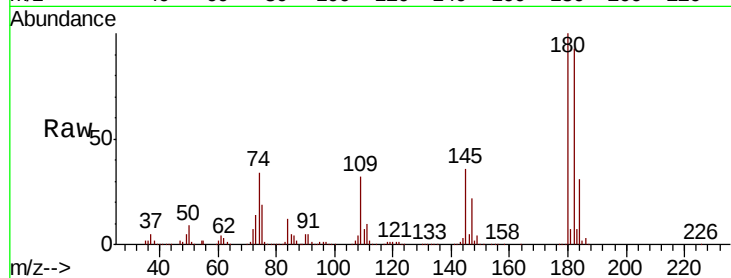
Tot Ion:180 Resp: 2777951

Ion Ratio Lower Upper

180 100

182 95.2 76.2 114.2

184 30.8 24.6 37.0



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

