

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120320\
 Data File : VL036062.D
 Acq On : 3 Dec 2020 22:27
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Quant Time: Dec 04 04:16:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Dec 04 03:52:25 2020
 QLast Update : Fri Dec 04 03:52:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1294249	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	4586219	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	5627011	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	3411465	7.97	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	79.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	2037210	9.145	ppbv	99
3) Chlorodifluoromethane	2.97	51	1520134	10.008	ppbv	99
4) Chloromethane	3.12	50	767167	10.272	ppbv	99
5) Vinyl Chloride	3.24	62	948007	9.998	ppbv	99
6) Bromomethane	3.46	94	755212	10.254	ppbv	100
7) Chloroethane	3.54	64	357561	10.531	ppbv	98
8) Dichlorotetrafluoroethane	3.17	85	2641895	9.931	ppbv	99
9) Propene	2.99	41	593046	11.160	ppbv	99
10) Heptane	8.11	43	1647361	11.230	ppbv	100
11) Trichlorofluoromethane	3.93	101	2889717	9.634	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.47	101	2183255	9.551	ppbv	98
13) Ethanol	3.59	45	37834	3.765	ppbv #	1
14) Bromoethene	3.73	108	966423	10.372	ppbv	97
15) Acetone	3.84	43	1256844	8.974	ppbv	98
16) 1,3-Butadiene	3.31	39	612417	10.449	ppbv	98
17) tert-Butyl alcohol	4.28	59	1517558	10.501	ppbv	99
18) 1,1-Dichloroethene	4.28	96	1025326	10.137	ppbv	98
19) Isopropyl Alcohol	3.96	45	719525	10.396	ppbv	99
20) Methylene Chloride	4.33	84	866612	7.505	ppbv	96
21) Allyl Chloride	4.40	41	809974	11.538	ppbv	96
22) trans-1,2-Dichloroethene	4.87	96	1026627	10.113	ppbv	99
23) Vinyl Acetate	5.06	43	1823598	11.804	ppbv	99
24) 1,1-Dichloroethane	5.00	63	1826947	10.125	ppbv	100
25) Ethyl Acetate	5.67	43	2812742	10.261	ppbv	100
26) Hexane	5.68	57	1480393	10.074	ppbv	99
27) Carbon Disulfide	4.54	76	2313967	11.083	ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	2396183	11.038	ppbv	100
29) Chloroform	5.74	83	2725902	10.022	ppbv	98
30) Cyclohexane	7.12	84	1498111	11.423	ppbv	99
31) cis-1,2-Dichloroethene	5.54	61	1518822	11.393	ppbv	100
32) 1,1,1-Trichloroethane	6.50	97	2590450	10.402	ppbv	100
34) 2-Butanone	5.23	43	1729763	11.176	ppbv	98
35) Carbon Tetrachloride	7.01	117	2537776	10.647	ppbv	99
36) Benzene	6.88	78	3538728	11.116	ppbv	99
37) 1,2-Dichloroethane	6.30	62	1721337	10.537	ppbv	99
38) Trichloroethene	7.83	130	1569681	11.127	ppbv	97
39) 1,2-Dichloropropane	7.61	63	1265176	10.587	ppbv	97
40) 1,4-Dioxane	7.82	88	471360	11.816	ppbv	95
41) Tetrahydrofuran	6.04	42	1021017	12.481	ppbv	100
42) Bromodichloromethane	7.78	83	2883316	11.279	ppbv	97
43) Methyl Methacrylate	8.01	69	1462926	12.533	ppbv	98

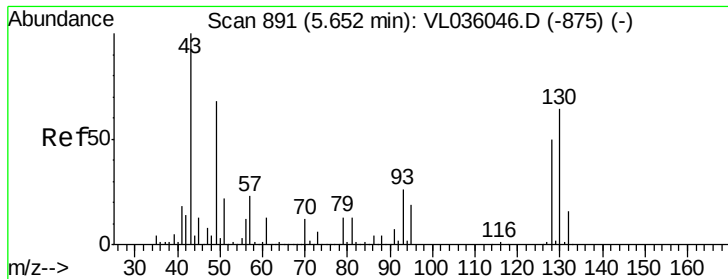
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120320\
 Data File : VL036062.D
 Acq On : 3 Dec 2020 22:27
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Quant Time: Dec 04 04:16:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Dec 04 03:52:25 2020
 QLast Update : Fri Dec 04 03:52:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	4977219	10.628	ppbv	99
45) t-1,3-Dichloropropene	9.27	75	1473898	13.504	ppbv	100
46) cis-1,3-Dichloropropene	8.69	75	1896197	13.174	ppbv	99
47) 1,1,2-Trichloroethane	9.47	97	1607877	10.595	ppbv	98
48) Dibromochloromethane	10.30	129	2485223	11.808	ppbv	100
49) Bromoform	13.03	173	1927070	12.364	ppbv	100
50) 4-Methyl-2-Pentanone	8.73	43	2704673	11.172	ppbv	99
51) 2-Hexanone	10.12	43	2146560	12.313	ppbv	98
52) Tetrachloroethene	11.22	164	1393854	11.384	ppbv	98
53) Toluene	9.80	91	4171700	11.990	ppbv	100
54) 1,2-Dibromoethane	10.60	107	2365340	11.091	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.12	131	1922420	8.366	ppbv	97
57) Chlorobenzene	12.14	112	3289331	7.942	ppbv	100
58) Ethyl Benzene	12.70	91	5248964	9.313	ppbv	98
59) m/p-Xylene	12.99	91	4654880	9.097	ppbv #	33
60) o-Xylene	13.69	91	4359033	8.472	ppbv	99
61) Styrene	13.52	104	3064647	10.424	ppbv	100
62) Isopropylbenzene	14.66	105	6320544	8.266	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.67	83	3108746	7.349	ppbv	100
64) n-propylbenzene	15.56	120	1805670	8.923	ppbv	97
65) tert-Butylbenzene	16.74	119	5466420	8.516	ppbv	100
66) Benzyl Chloride	16.99	91	1562252	10.184	ppbv	100
67) sec-Butylbenzene	17.29	105	7342701	8.340	ppbv	100
69) p-Isopropyltoluene	17.65	119	5886083	8.920	ppbv	100
70) n-Butylbenzene	18.55	91	5781986	8.782	ppbv	100
71) 2-Chlorotoluene	15.45	91	4678125	8.838	ppbv	99
72) 4-Ethyltoluene	15.83	105	4888520	9.187	ppbv	99
73) 1,3,5-Trimethylbenzene	15.99	105	4439176	8.873	ppbv	99
74) 1,2,4-Trimethylbenzene	16.76	105	4627812	8.308	ppbv	94
75) 1,3-Dichlorobenzene	16.99	146	2697580	8.086	ppbv	100
76) 1,4-Dichlorobenzene	17.13	146	2633263	8.354	ppbv	99
77) 1,2-Dichlorobenzene	17.81	146	2492467	8.097	ppbv	100
78) Hexachloro-1,3-Butadiene	23.37	225	1392632	8.202	ppbv	99
79) Naphthalene	22.19	128	2931704	11.024	ppbv	99
80) Naphthalene, 2-methyl-	24.98	142	973658	17.486	ppbv	99
81) 1,2,4-Trichlorobenzene	21.92	180	1706982	9.494	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. 0.00 min

Lab File: VL036062.D

Acq: 3 Dec 2020 22:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

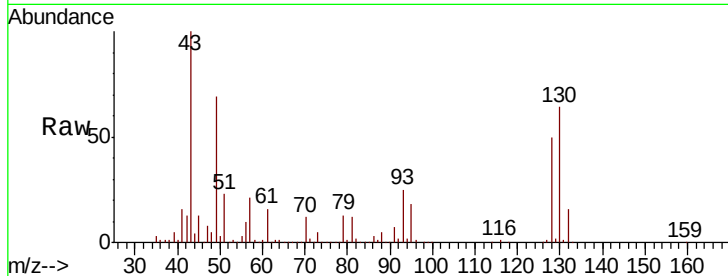
Tot Ion: 49 Resp: 1294249

Ion Ratio Lower Upper

49 100

128 76.1 38.3 114.8

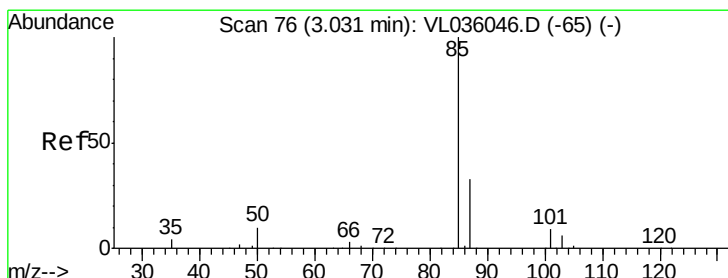
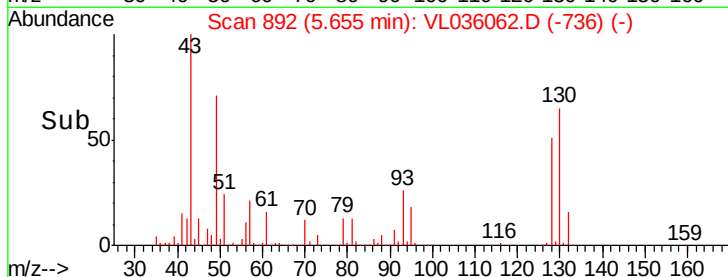
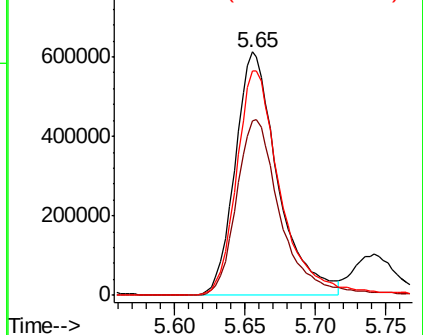
130 96.7 49.1 147.4



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: 9.145 ppbv

RT: 3.03 min Scan# 77

Delta R.T. 0.00 min

Lab File: VL036062.D

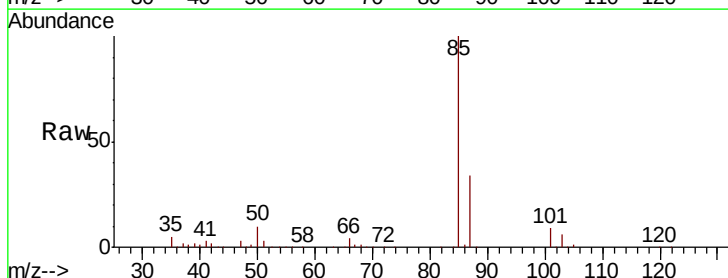
Acq: 3 Dec 2020 22:27

Tgt Ion: 85 Resp: 2037210

Ion Ratio Lower Upper

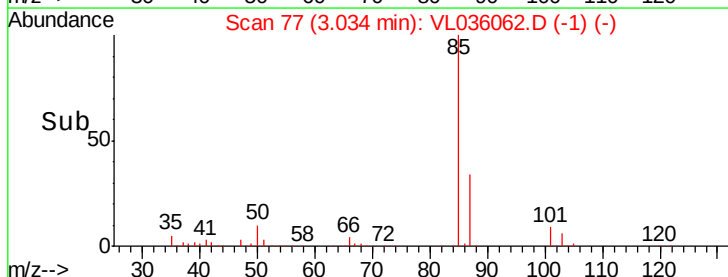
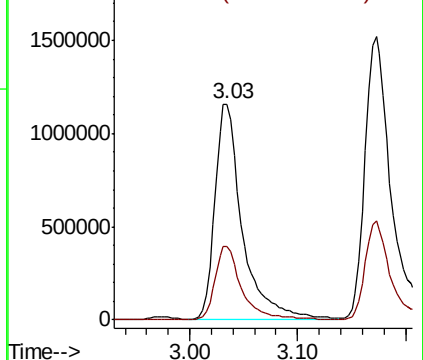
85 100

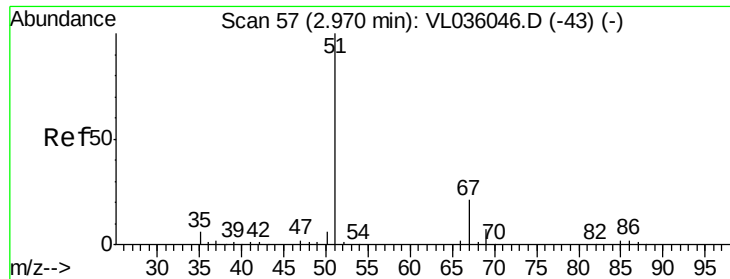
87 34.0 26.8 40.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 10.008 ppbv

RT: 2.97 min Scan# 58

Delta R.T. 0.00 min

Lab File: VL036062.D

Acq: 3 Dec 2020 22:27

Instrument :

MSVOA_L

ClientSampleId :

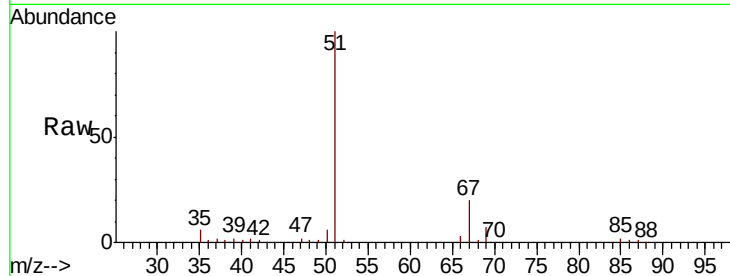
VSTDCCC010EC

Tot Ion: 51 Resp: 1520134

Ion Ratio Lower Upper

51 100

67 20.5 16.9 25.3



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

2.97

800000

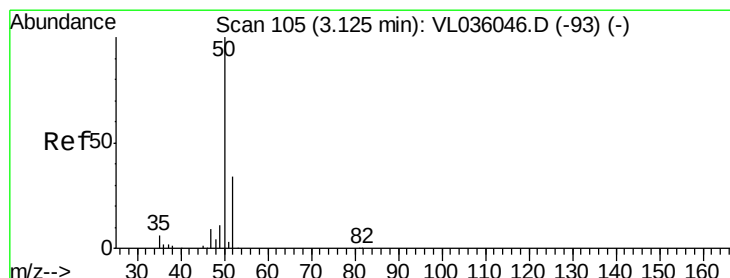
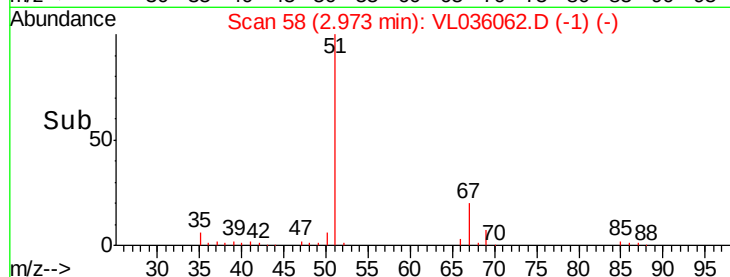
600000

400000

200000

0

Time-->



#4

Chloromethane

Concen: 10.272 ppbv

RT: 3.12 min Scan# 105

Delta R.T. -0.00 min

Lab File: VL036062.D

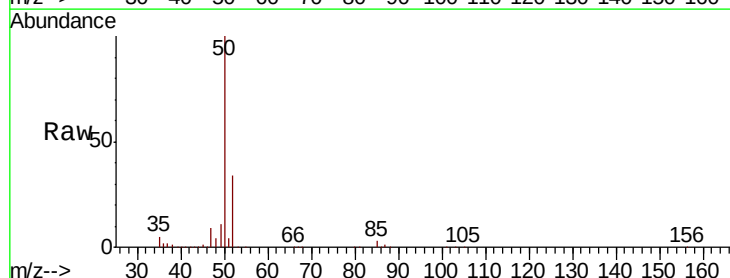
Acq: 3 Dec 2020 22:27

Tgt Ion: 50 Resp: 767167

Ion Ratio Lower Upper

50 100

52 34.2 27.6 41.4



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

3.12

500000

400000

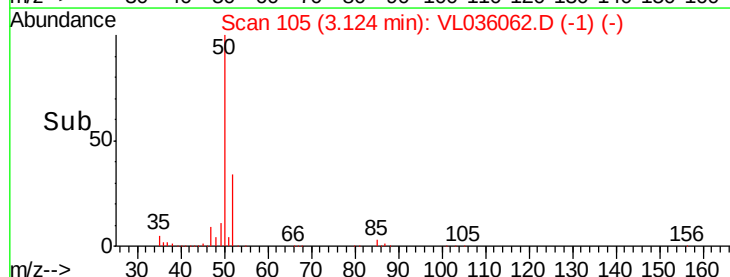
300000

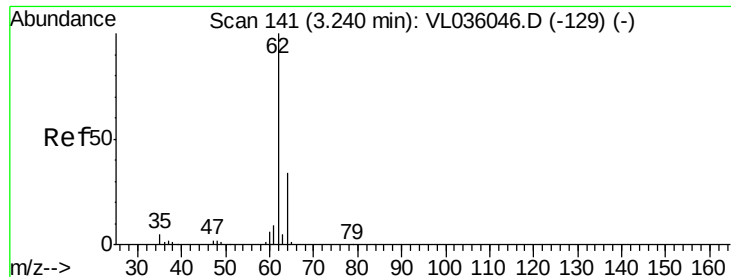
200000

100000

0

Time-->





#5

Vinyl Chloride

Concen: 9.998 ppbv

RT: 3.24 min Scan# 142

Delta R.T. 0.00 min

Lab File: VL036062.D

Acq: 3 Dec 2020 22:27

Instrument :

MSVOA_L

ClientSampleId :

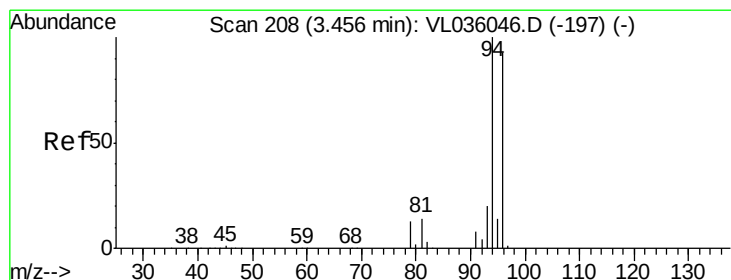
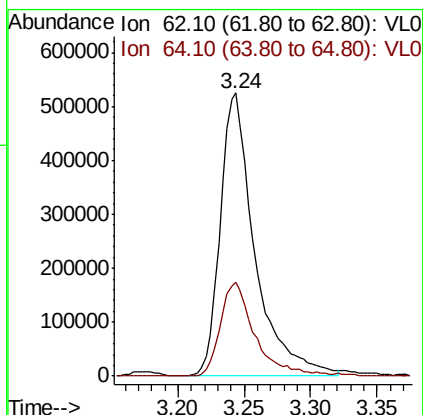
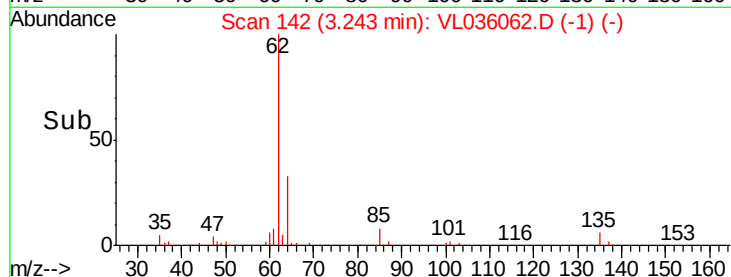
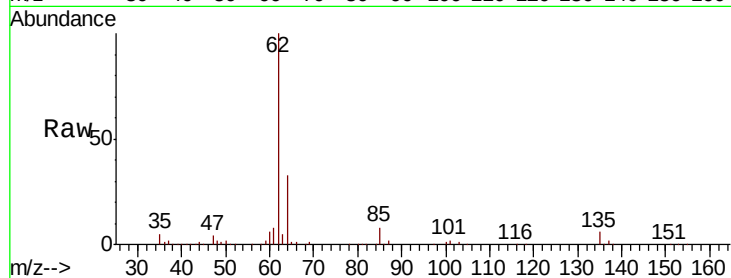
VSTDCCC010EC

Tot Ion: 62 Resp: 948007

Ion Ratio Lower Upper

62 100

64 32.9 26.8 40.2



#6

Bromomethane

Concen: 10.254 ppbv

RT: 3.46 min Scan# 209

Delta R.T. 0.00 min

Lab File: VL036062.D

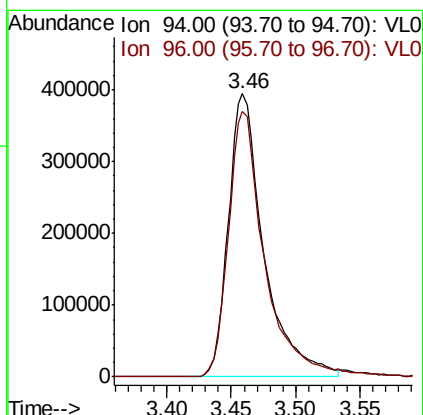
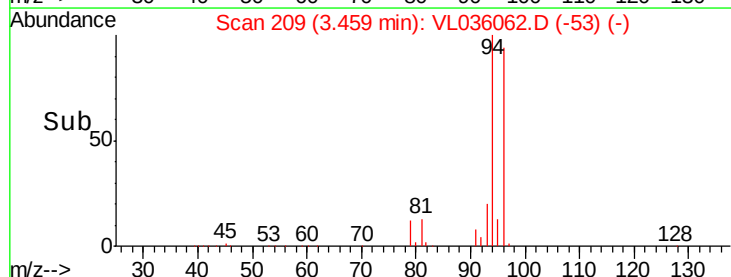
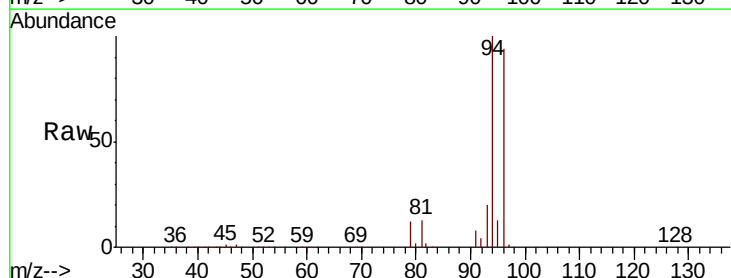
Acq: 3 Dec 2020 22:27

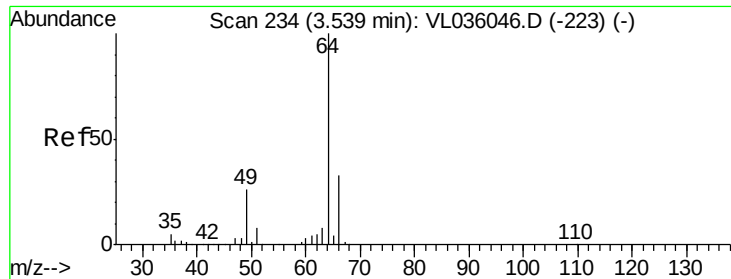
Tgt Ion: 94 Resp: 755212

Ion Ratio Lower Upper

94 100

96 94.0 74.8 112.2





#7

Chloroethane

Concen: 10.531 ppbv

RT: 3.54 min Scan# 235

Delta R.T. 0.00 min

Lab File: VL036062.D

Acq: 3 Dec 2020 22:27

Instrument :

MSVOA_L

ClientSampleId :

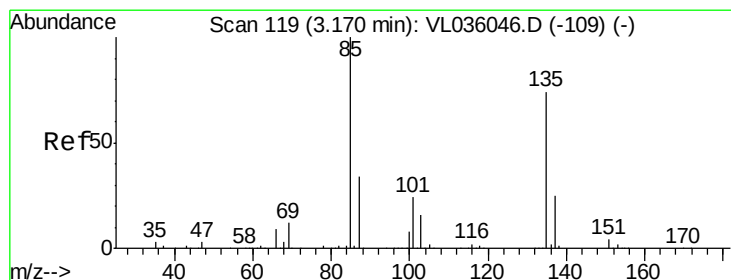
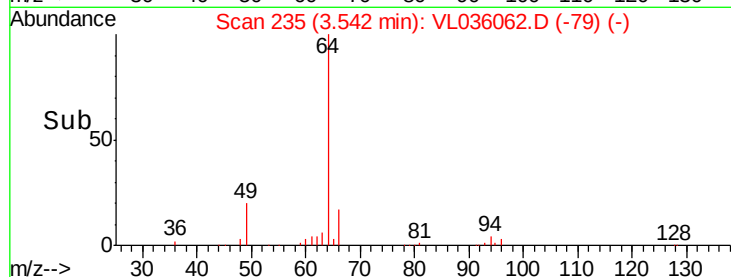
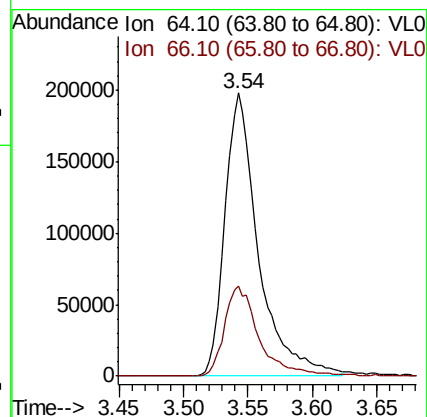
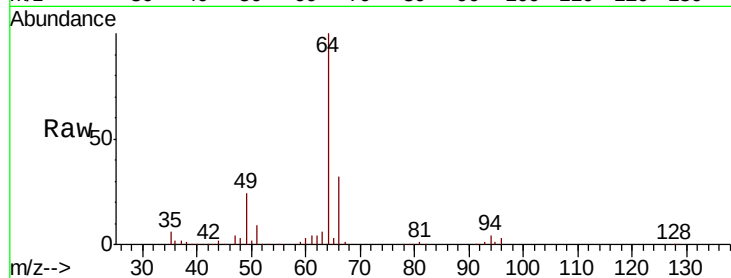
VSTDCCC010EC

Tot Ion: 64 Resp: 357561

Ion Ratio Lower Upper

64 100

66 31.6 26.1 39.1



#8

Dichlorotetrafluoroethane

Concen: 9.931 ppbv

RT: 3.17 min Scan# 120

Delta R.T. 0.00 min

Lab File: VL036062.D

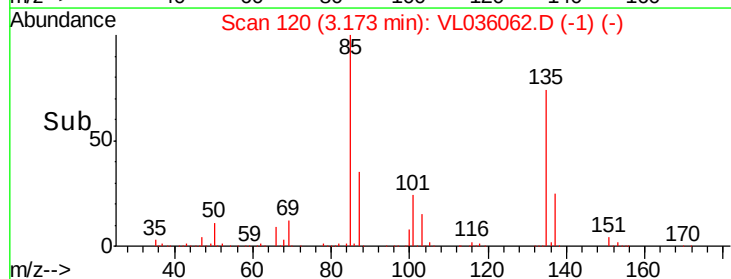
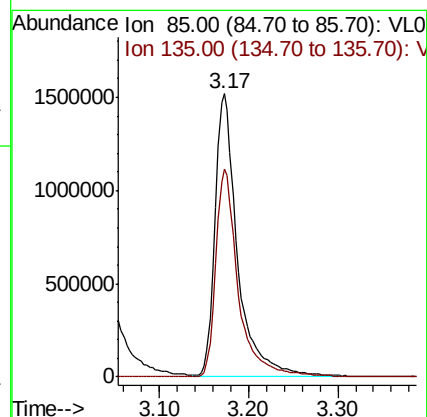
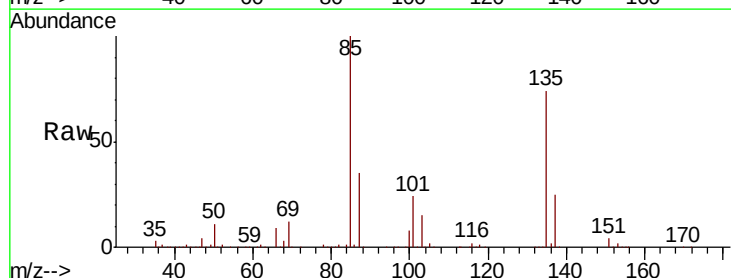
Acq: 3 Dec 2020 22:27

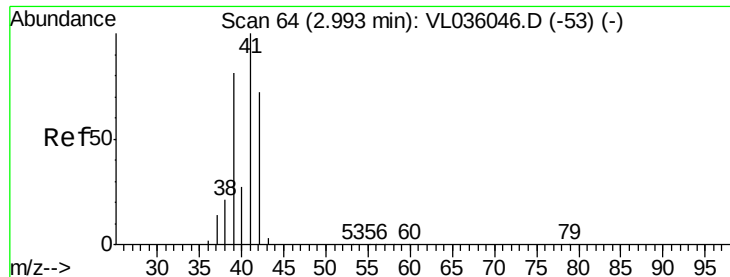
Tgt Ion: 85 Resp: 2641895

Ion Ratio Lower Upper

85 100

135 74.4 60.2 90.2





#9

Propene

Concen: 11.160 ppbv

RT: 2.99 min Scan# 64

Delta R.T. -0.00 min

Lab File: VL036062.D

Acq: 3 Dec 2020 22:27

Instrument :

MSVOA_L

ClientSampleId :

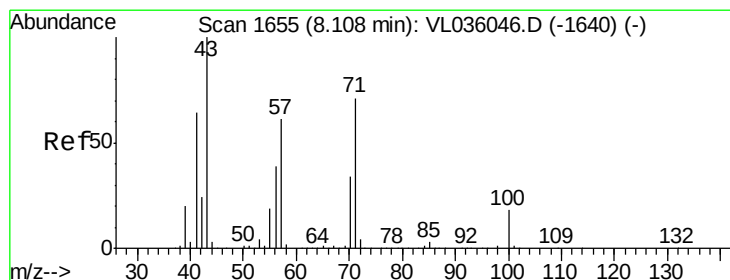
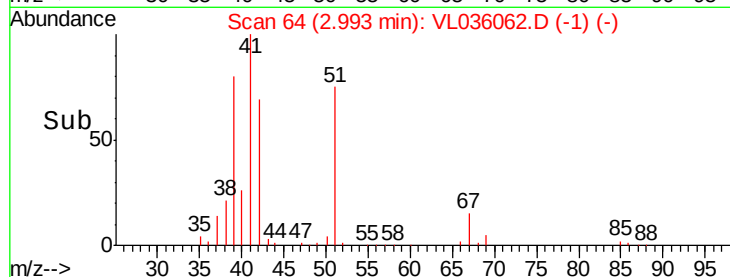
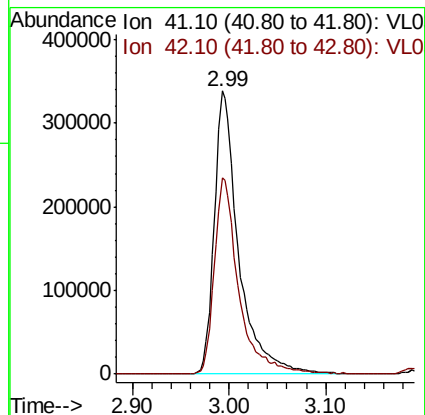
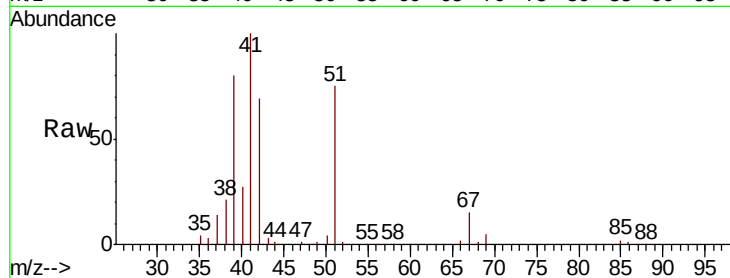
VSTDCCC010EC

Tot Ion: 41 Resp: 593046

Ion Ratio Lower Upper

41 100

42 70.0 56.9 85.3



#10

Heptane

Concen: 11.230 ppbv

RT: 8.11 min Scan# 1656

Delta R.T. 0.00 min

Lab File: VL036062.D

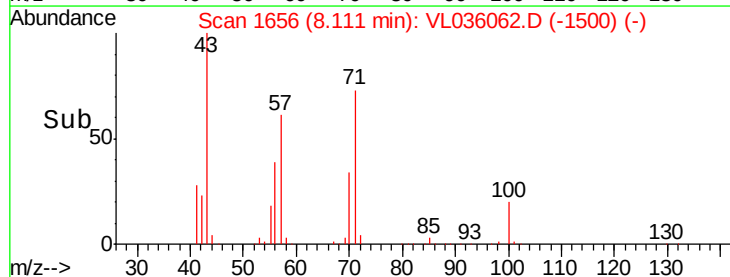
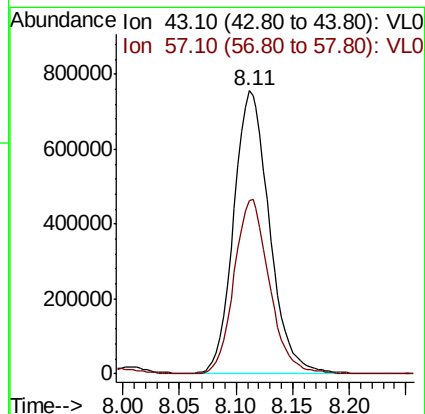
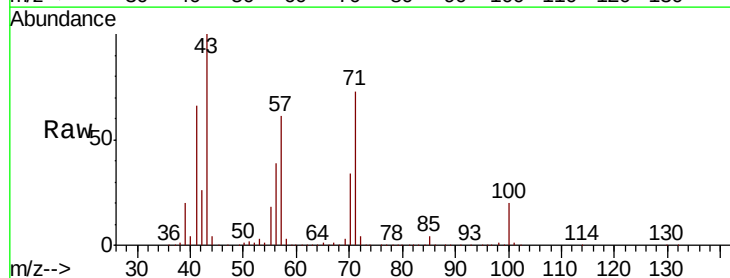
Acq: 3 Dec 2020 22:27

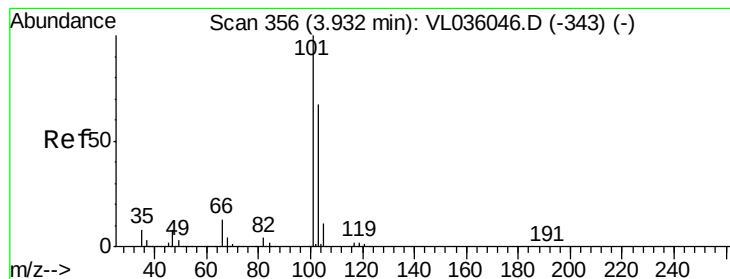
Tgt Ion: 43 Resp: 1647361

Ion Ratio Lower Upper

43 100

57 61.7 49.2 73.8





#11

Trichlorofluoromethane

Concen: 9.634 ppbv

RT: 3.93 min Scan# 357

Delta R.T. 0.00 min

Lab File: VL036062.D

Acq: 3 Dec 2020 22:27

Instrument :

MSVOA_L

ClientSampleId :

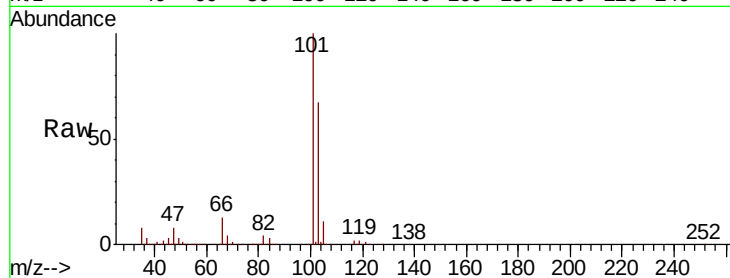
VSTDCCC010EC

Tot Ion:101 Resp: 2889717

Ion Ratio Lower Upper

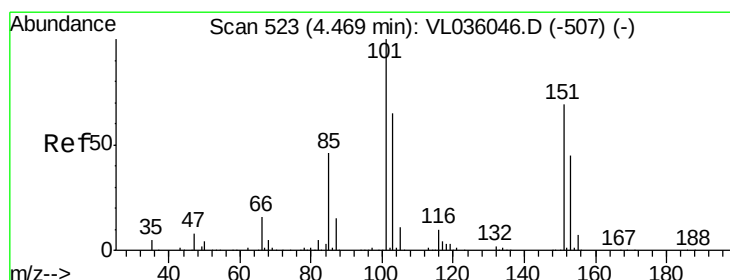
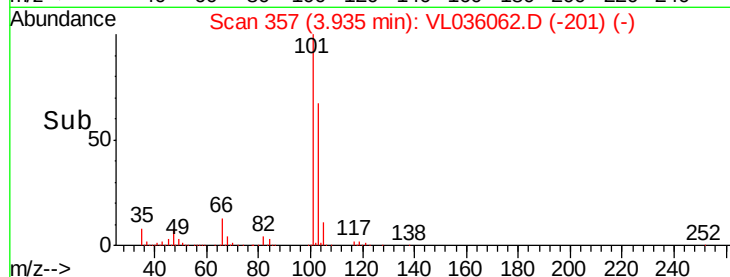
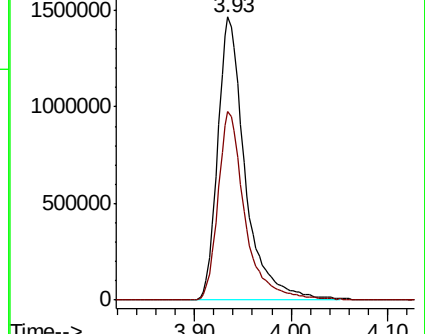
101 100

103 66.8 53.2 79.8



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: 9.551 ppbv

RT: 4.47 min Scan# 524

Delta R.T. 0.00 min

Lab File: VL036062.D

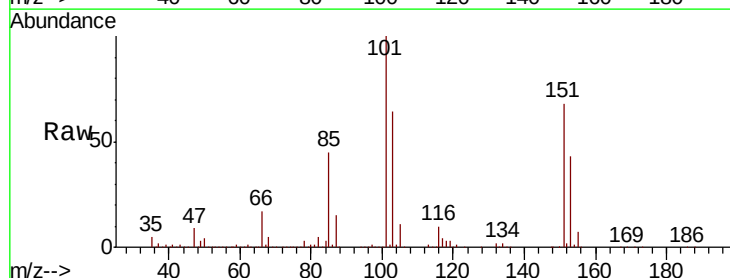
Acq: 3 Dec 2020 22:27

Tgt Ion:101 Resp: 2183255

Ion Ratio Lower Upper

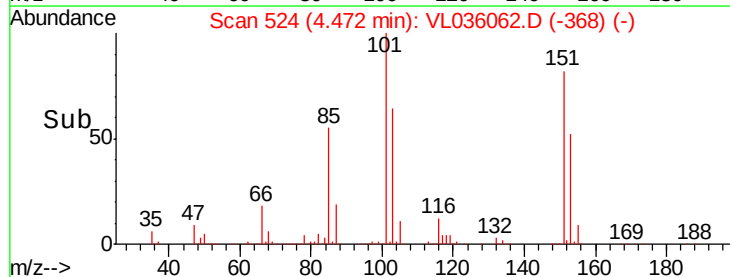
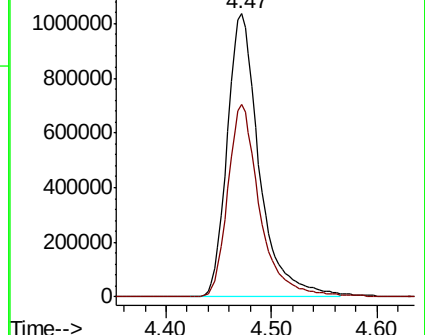
101 100

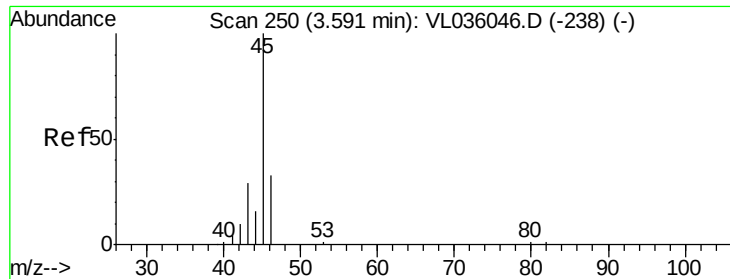
151 68.3 56.1 84.1



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 3.765 ppbv

RT: 3.59 min Scan# 250

Delta R.T. -0.00 min

Lab File: VL036062.D

Acq: 3 Dec 2020 22:27

Instrument :

MSVOA_L

ClientSampleId :

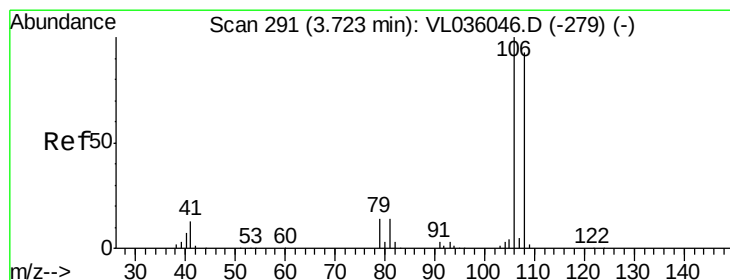
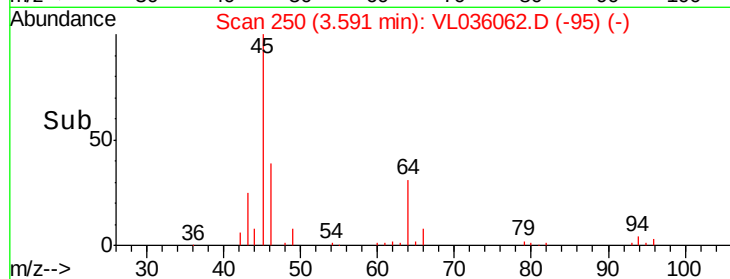
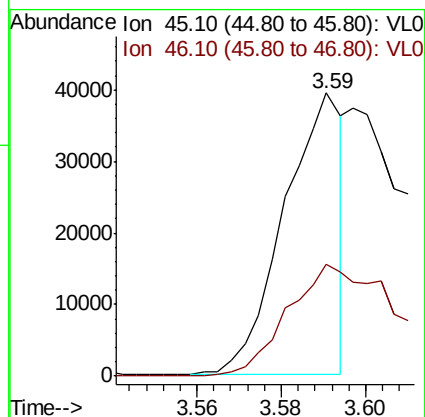
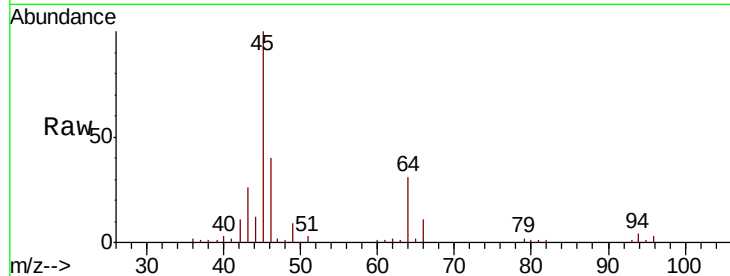
VSTDCCC010EC

Tot Ion: 45 Resp: 37834

Ion Ratio Lower Upper

45 100

46 103.8 16.0 64.2#



#14

Bromoethene

Concen: 10.372 ppbv

RT: 3.73 min Scan# 292

Delta R.T. 0.00 min

Lab File: VL036062.D

Acq: 3 Dec 2020 22:27

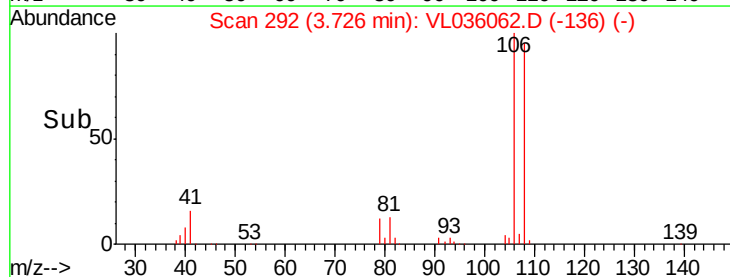
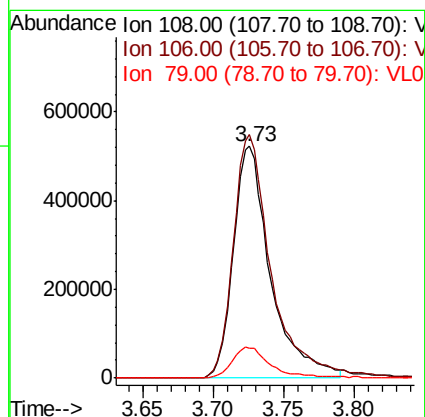
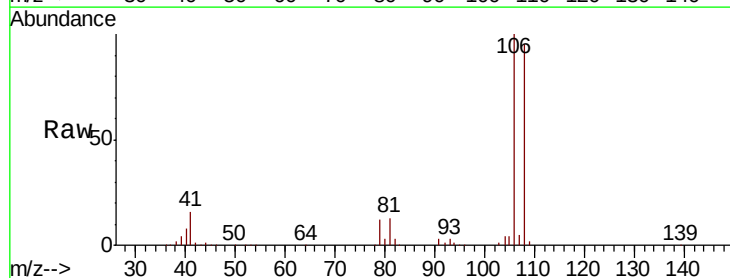
Tgt Ion:108 Resp: 966423

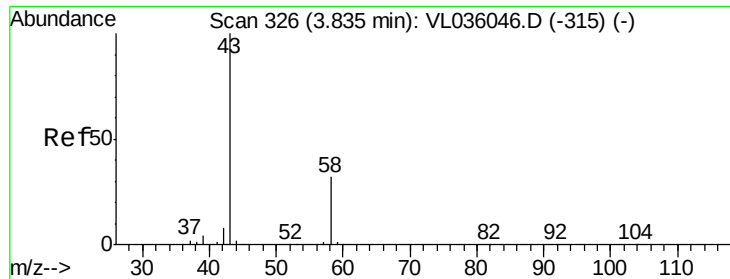
Ion Ratio Lower Upper

108 100

106 109.2 85.0 127.4

79 14.3 11.9 17.9





#15

Acetone

Concen: 8.974 ppbv

RT: 3.84 min Scan# 326

Delta R.T. -0.00 min

Lab File: VL036062.D

Acq: 3 Dec 2020 22:27

Instrument :

MSVOA_L

ClientSampleId :

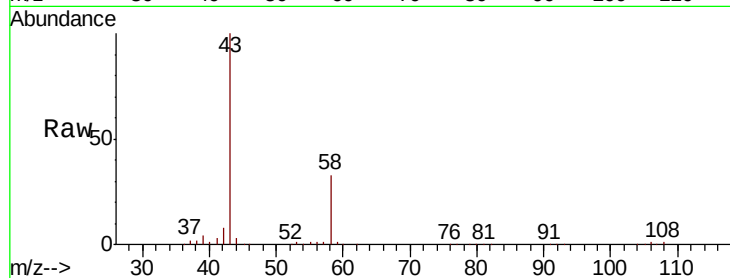
VSTDCCC010EC

Tot Ion: 43 Resp: 1256844

Ion Ratio Lower Upper

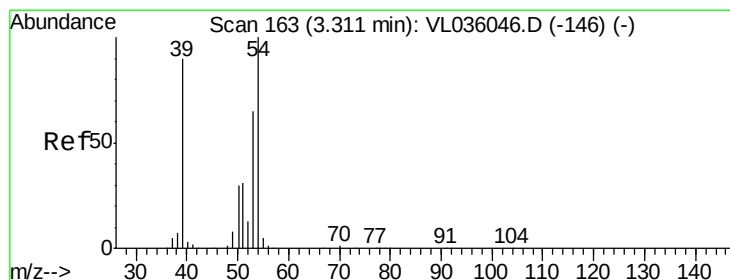
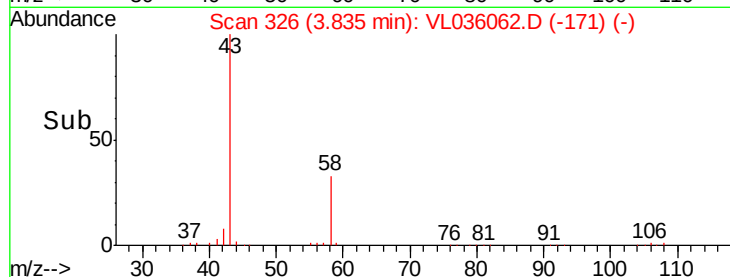
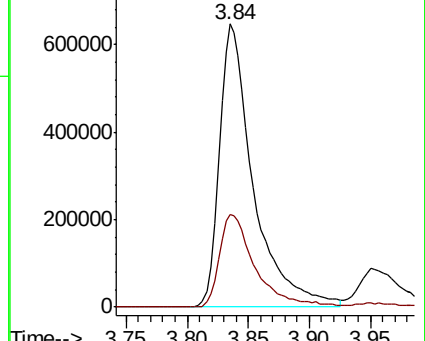
43 100

58 34.8 27.0 40.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 10.449 ppbv

RT: 3.31 min Scan# 163

Delta R.T. -0.00 min

Lab File: VL036062.D

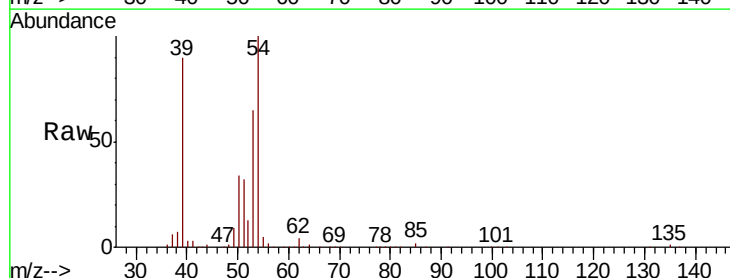
Acq: 3 Dec 2020 22:27

Tgt Ion: 39 Resp: 612417

Ion Ratio Lower Upper

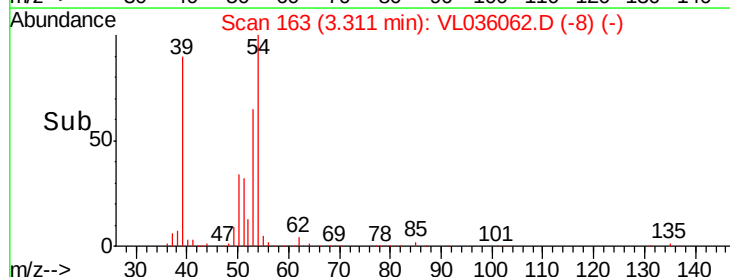
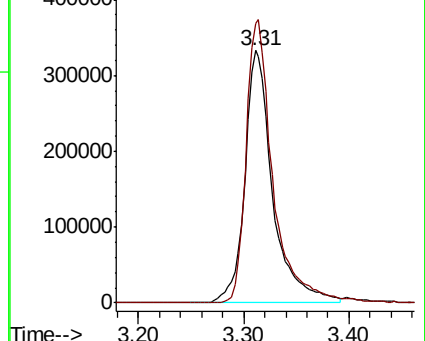
39 100

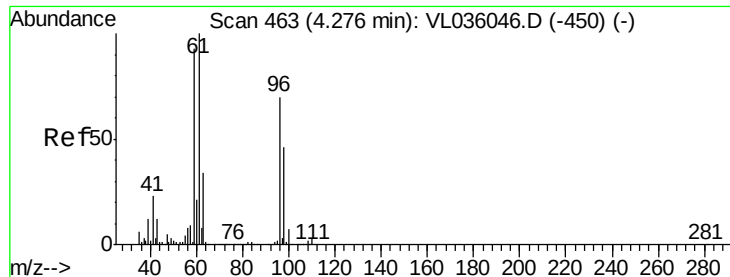
54 109.2 86.1 129.1



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

tert-Butyl alcohol

Concen: 10.501 ppbv

RT: 4.28 min Scan# 464

Delta R.T. 0.00 min

Lab File: VL036062.D

Acq: 3 Dec 2020 22:27

Instrument :

MSVOA_L

ClientSampleId :

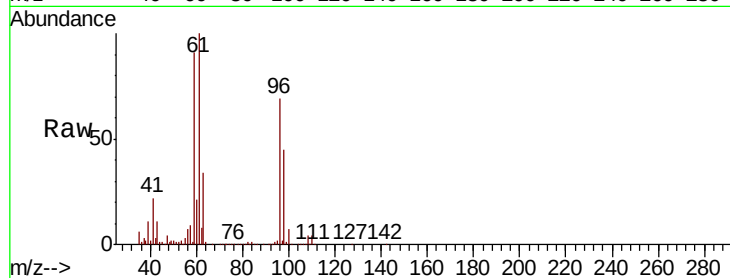
VSTDCCC010EC

Tot Ion: 59 Resp: 1517558

Ion Ratio Lower Upper

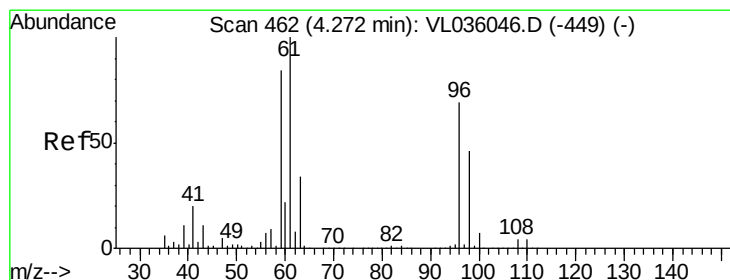
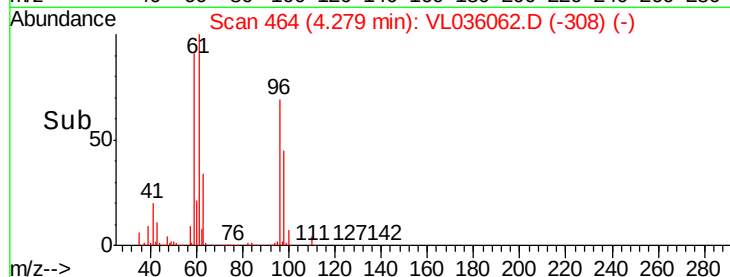
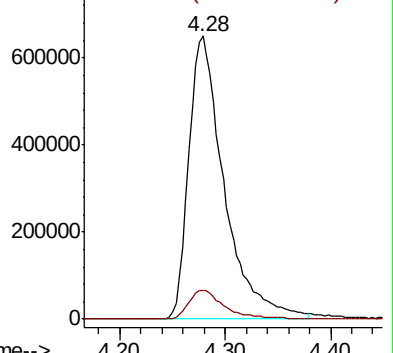
59 100

57 10.3 8.4 12.6



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#18

1,1-Dichloroethene

Concen: 10.137 ppbv

RT: 4.28 min Scan# 463

Delta R.T. 0.00 min

Lab File: VL036062.D

Acq: 3 Dec 2020 22:27

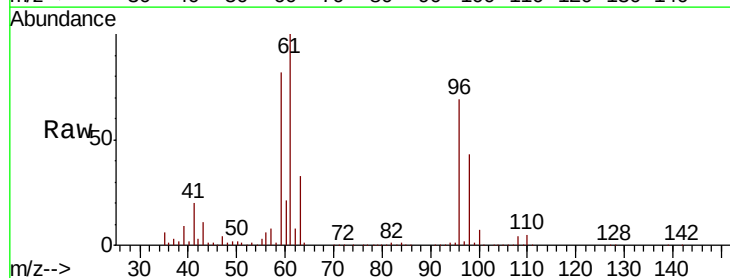
Tgt Ion: 96 Resp: 1025326

Ion Ratio Lower Upper

96 100

61 144.5 115.8 173.6

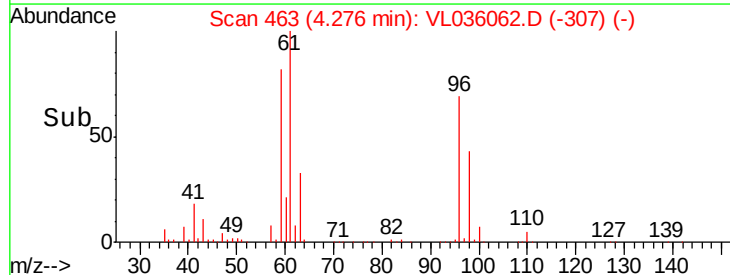
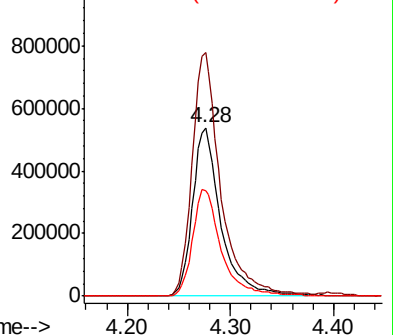
98 62.3 53.1 79.7

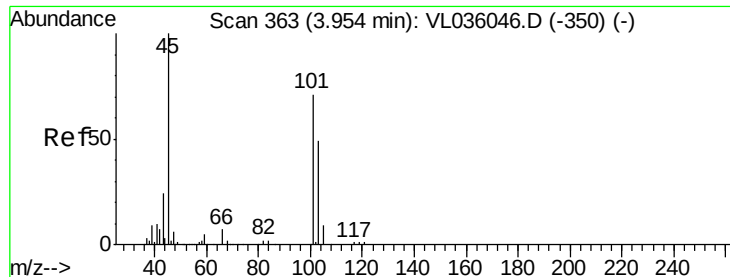


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#19

Isopropyl Alcohol

Concen: 10.396 ppbv

RT: 3.96 min Scan# 364

Delta R.T. 0.00 min

Lab File: VL036062.D

Acq: 3 Dec 2020 22:27

Instrument :

MSVOA_L

ClientSampleId :

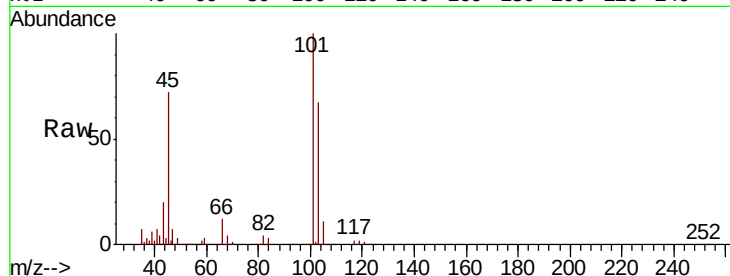
VSTDCCC010EC

Tot Ion: 45 Resp: 719525

Ion Ratio Lower Upper

45 100

58 3.9 3.4 5.0



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.96

300000

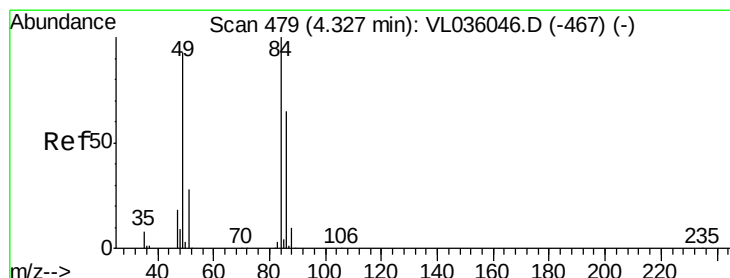
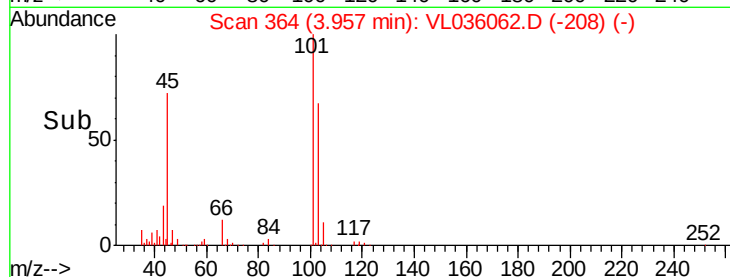
200000

100000

0

Time-->

3.90 4.00



#20

Methylene Chloride

Concen: 7.505 ppbv

RT: 4.33 min Scan# 480

Delta R.T. 0.00 min

Lab File: VL036062.D

Acq: 3 Dec 2020 22:27

Tgt Ion: 84 Resp: 866612

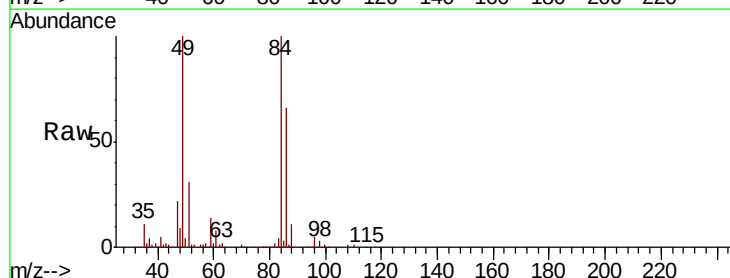
Ion Ratio Lower Upper

84 100

49 98.6 74.4 111.6

51 29.7 22.5 33.7

86 65.9 52.2 78.2



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

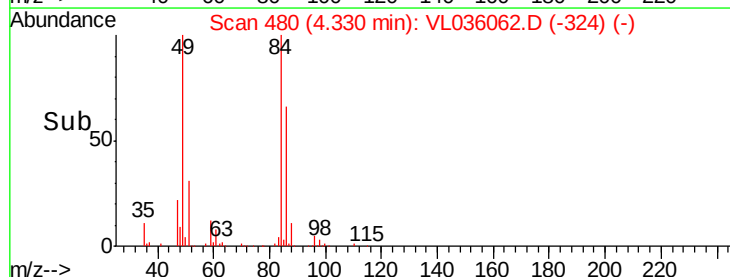
400000

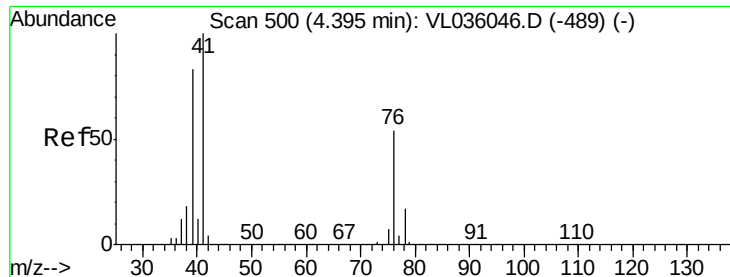
200000

0

Time-->

4.25 4.30 4.35 4.40

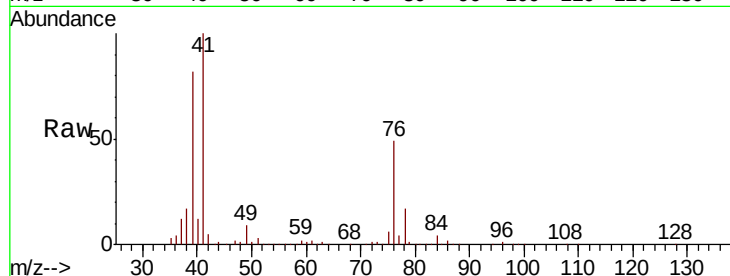




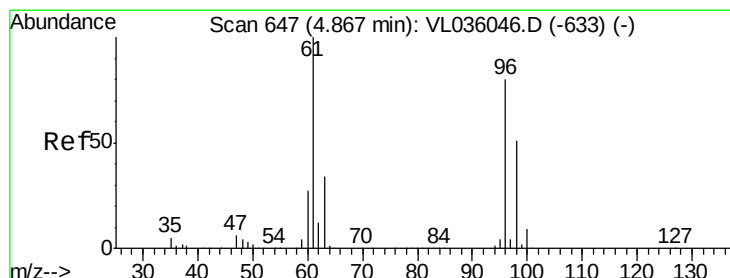
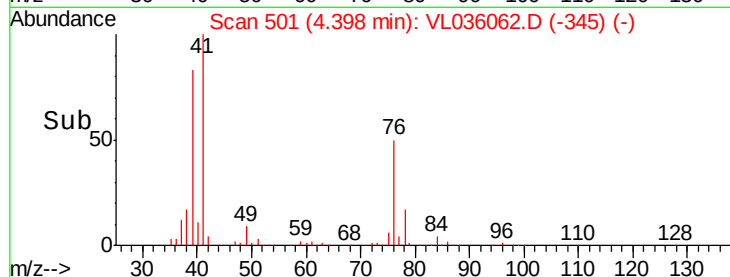
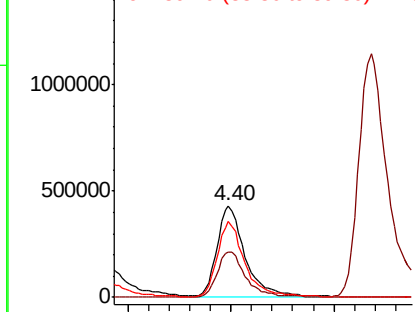
#21
Allvl Chloride
Concen: 11.538 ppbv
RT: 4.40 min Scan# 501
Delta R.T. 0.00 min
Lab File: VL036062.D
Acq: 3 Dec 2020 22:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 41 Resp: 809974
Ion Ratio Lower Upper
41 100
76 51.3 42.4 63.6
39 81.3 69.0 103.6

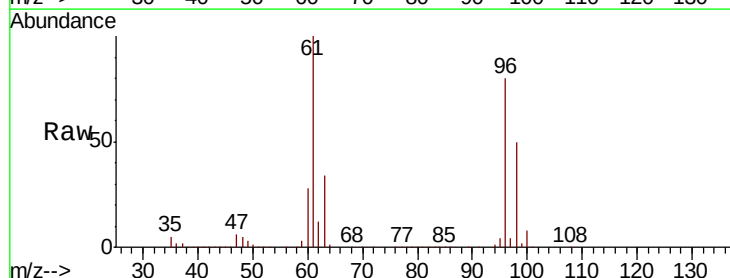


Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 76.10 (75.80 to 76.80): VL0
Ion 39.10 (38.80 to 39.80): VL0

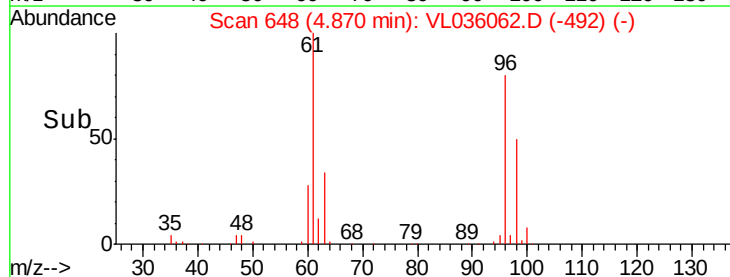
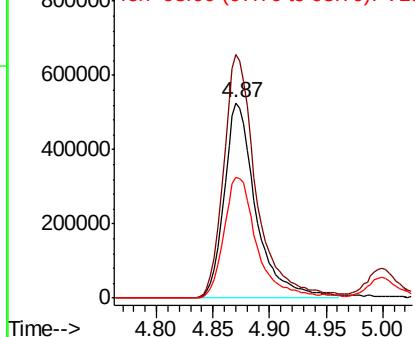


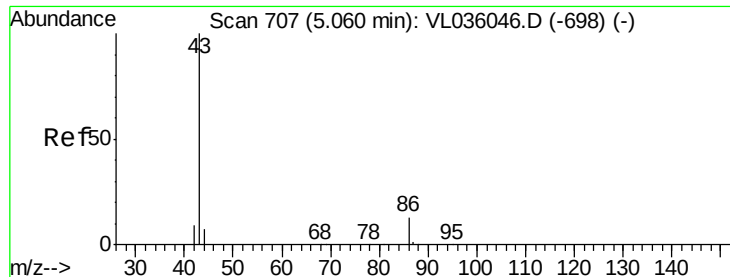
#22
trans-1,2-Dichloroethene
Concen: 10.113 ppbv
RT: 4.87 min Scan# 648
Delta R.T. 0.00 min
Lab File: VL036062.D
Acq: 3 Dec 2020 22:27

Tgt Ion: 96 Resp: 1026627
Ion Ratio Lower Upper
96 100
61 124.8 99.8 149.6
98 62.1 51.1 76.7



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





#23

Vinyl Acetate

Concen: 11.804 ppbv

RT: 5.06 min Scan# 708

Delta R.T. 0.00 min

Lab File: VL036062.D

Acq: 3 Dec 2020 22:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 1823598

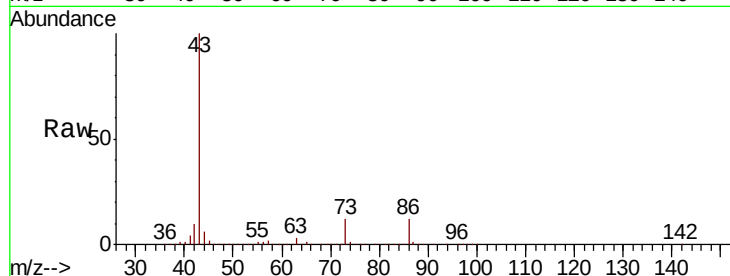
Ion Ratio Lower Upper

43 100

86 11.5 9.3 13.9

42 9.5 8.1 12.1

44 5.1 4.7 7.1

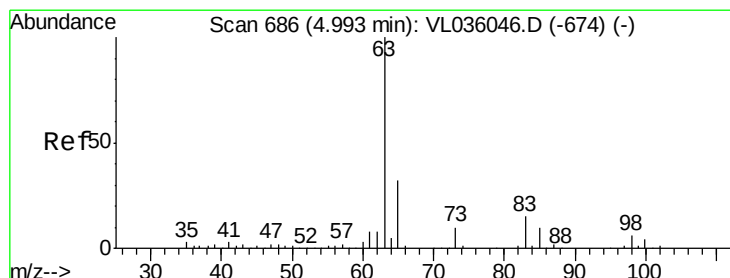
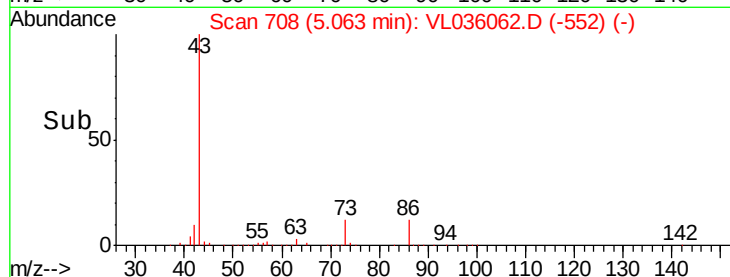
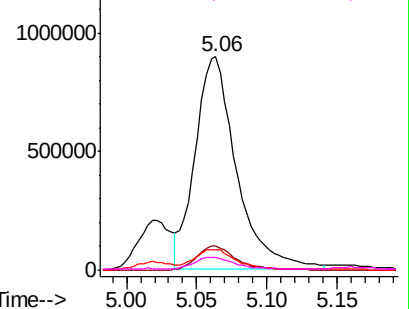


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 10.125 ppbv

RT: 5.00 min Scan# 688

Delta R.T. 0.01 min

Lab File: VL036062.D

Acq: 3 Dec 2020 22:27

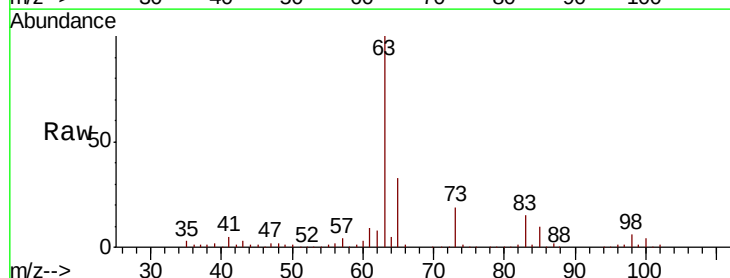
Tgt Ion: 63 Resp: 1826947

Ion Ratio Lower Upper

63 100

98 6.1 3.1 9.3

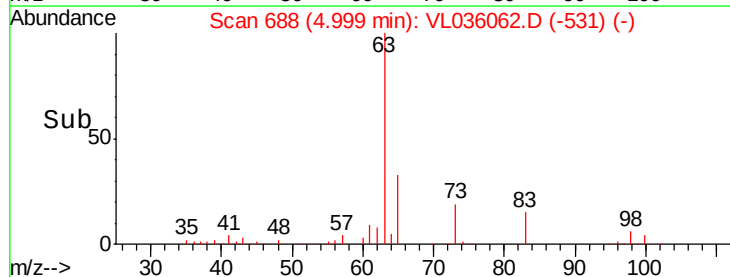
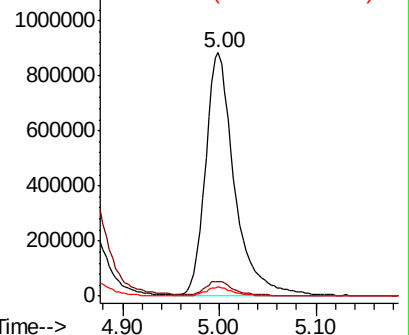
100 3.8 1.9 5.7

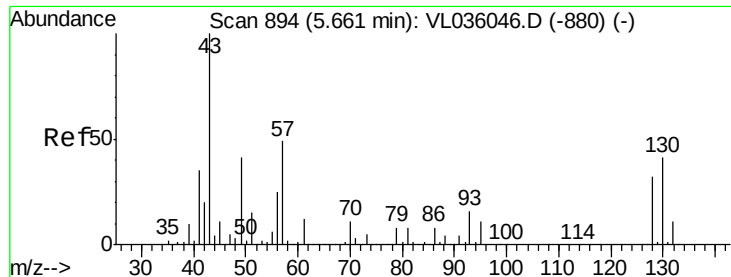


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 10.261 ppbv

RT: 5.67 min Scan# 896

Delta R.T. 0.01 min

Lab File: VL036062.D

Acq: 3 Dec 2020 22:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 2812742

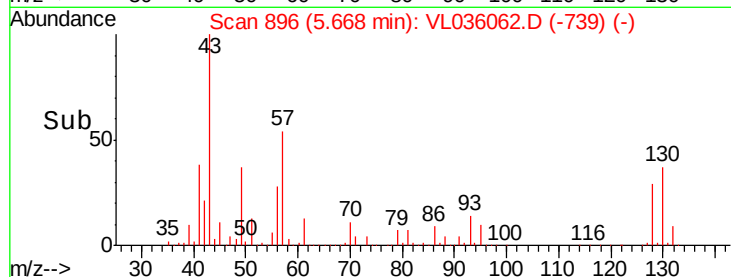
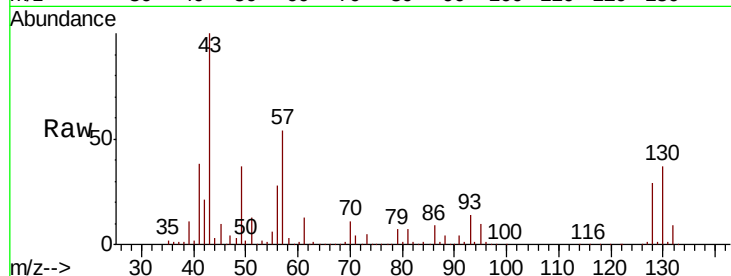
Ion Ratio Lower Upper

43 100

45 10.7 8.6 13.0

61 13.3 10.6 16.0

70 10.2 8.1 12.1

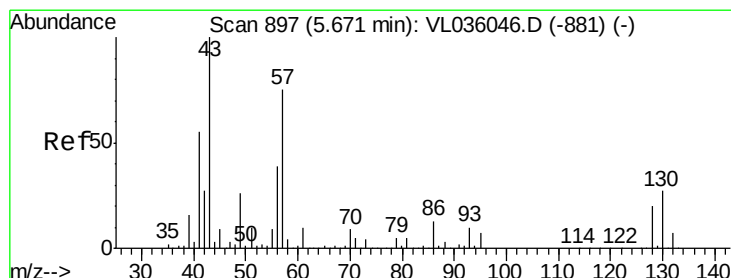
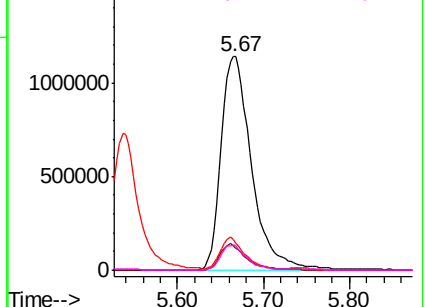


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 10.074 ppbv

RT: 5.68 min Scan# 899

Delta R.T. 0.01 min

Lab File: VL036062.D

Acq: 3 Dec 2020 22:27

Tgt Ion: 57 Resp: 1480393

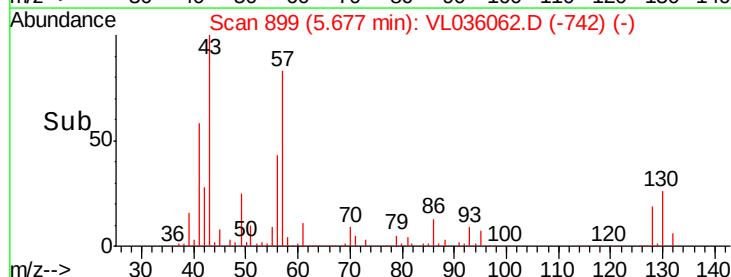
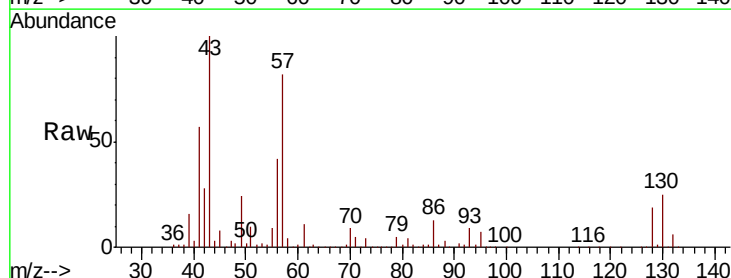
Ion Ratio Lower Upper

57 100

41 74.8 61.6 92.4

43 191.3 152.9 229.3

56 53.6 43.0 64.6

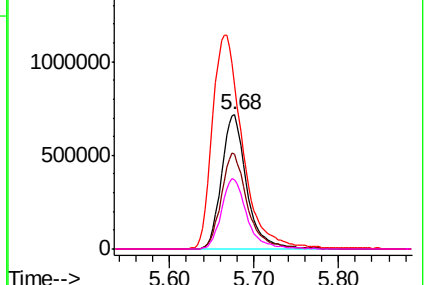


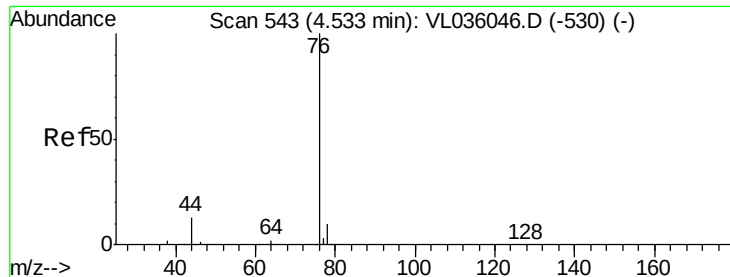
Abundance Ion 57.10 (56.80 to 57.80): VL0

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: 11.083 ppbv

RT: 4.54 min Scan# 544

Delta R.T. 0.00 min

Lab File: VL036062.D

Acq: 3 Dec 2020 22:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

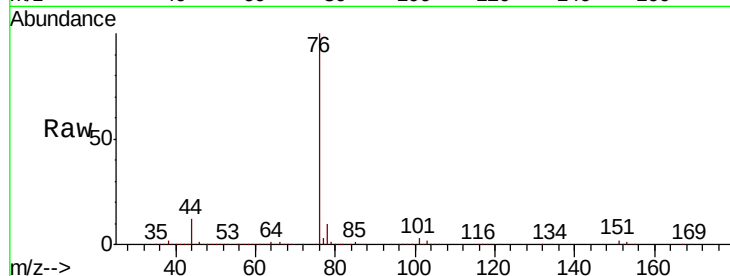
Tot Ion: 76 Resp: 2313967

Ion	Ratio	Lower	Upper
76	100		
44	12.1	9.6	14.4
78	10.0	7.7	11.5

76 100

44 12.1 9.6 14.4

78 10.0 7.7 11.5

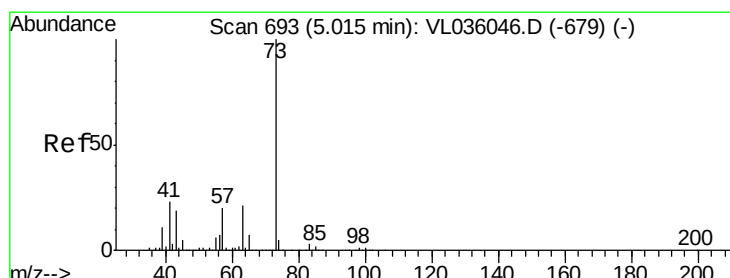
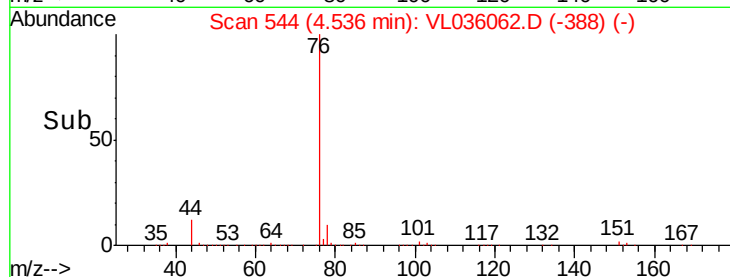
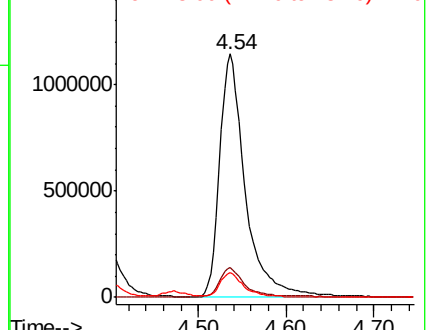


Abundance

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: 11.038 ppbv

RT: 5.02 min Scan# 695

Delta R.T. 0.01 min

Lab File: VL036062.D

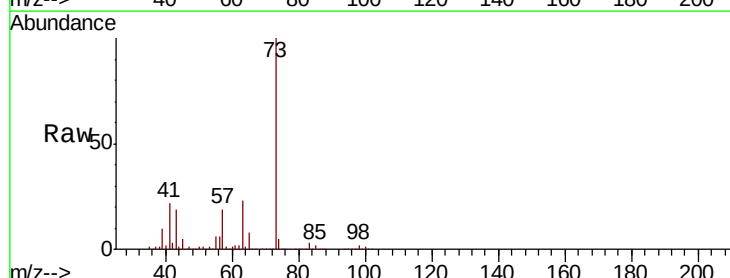
Acq: 3 Dec 2020 22:27

Tgt Ion: 73 Resp: 2396183

Ion	Ratio	Lower	Upper
73	100		
57	19.8	15.8	23.8

73 100

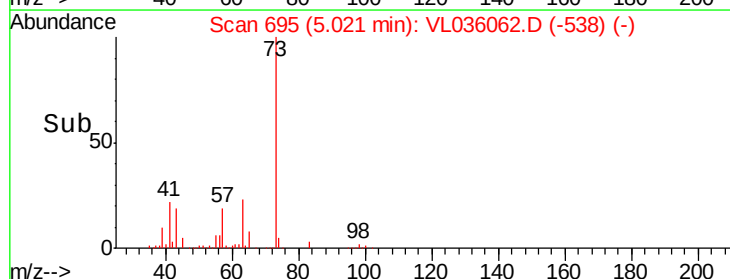
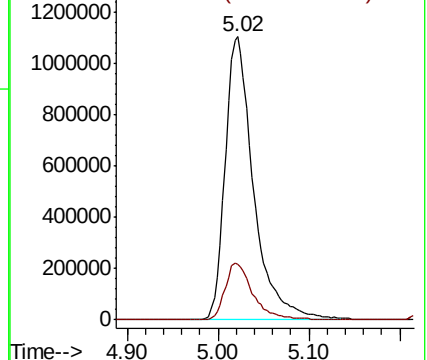
57 19.8 15.8 23.8

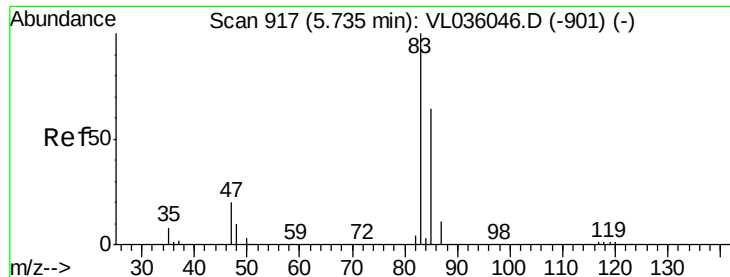


Abundance

Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

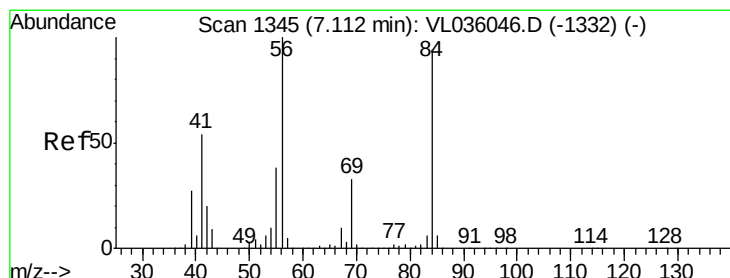
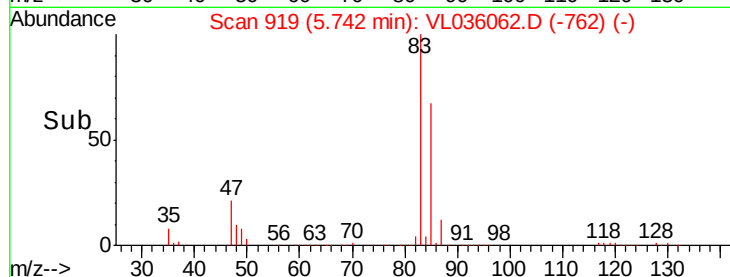
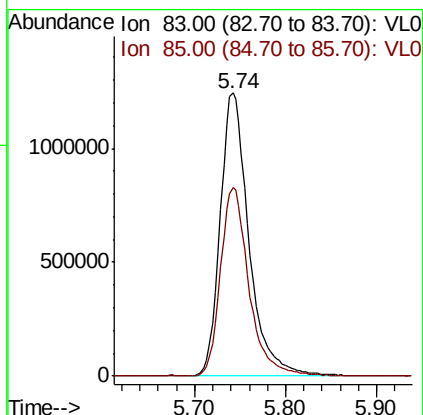
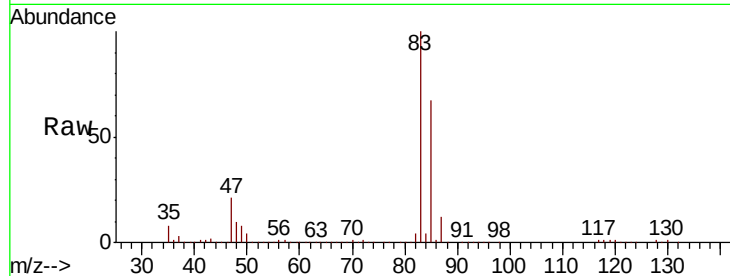




#29
Chloroform
Concen: 10.022 ppbv
RT: 5.74 min Scan# 919
Delta R.T. 0.01 min
Lab File: VL036062.D
Acq: 3 Dec 2020 22:27

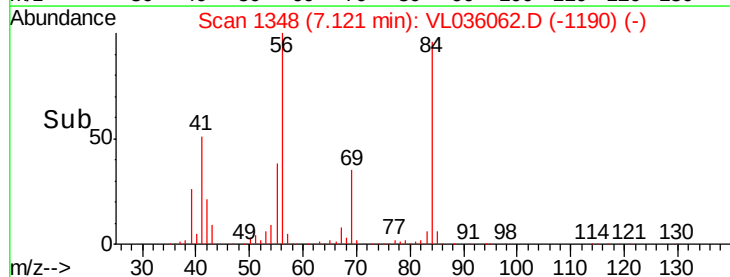
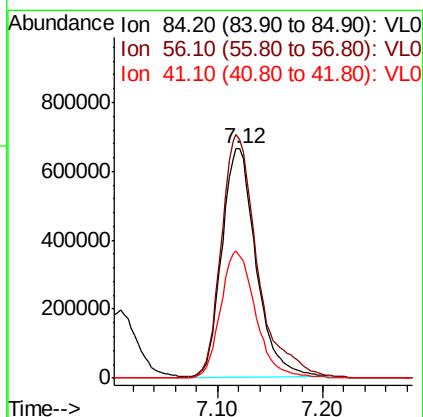
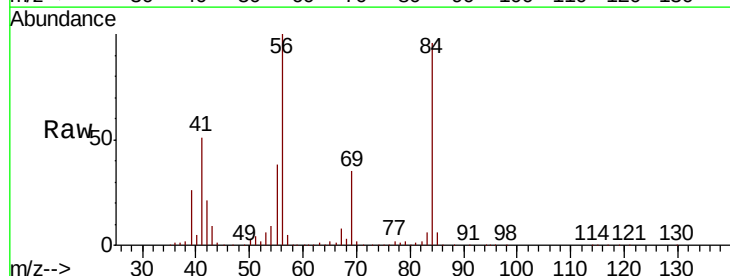
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

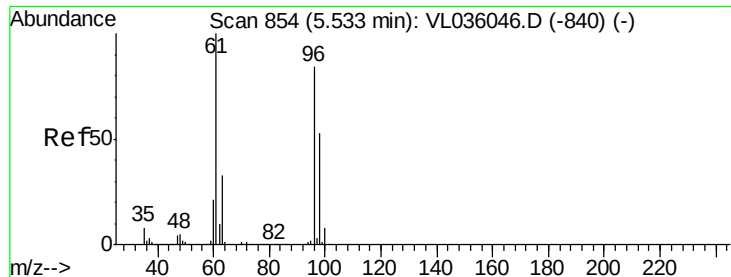
Tot Ion: 83 Resp: 2725902
Ion Ratio Lower Upper
83 100
85 66.4 51.6 77.4



#30
Cyclohexane
Concen: 11.423 ppbv
RT: 7.12 min Scan# 1348
Delta R.T. 0.01 min
Lab File: VL036062.D
Acq: 3 Dec 2020 22:27

Tgt Ion: 84 Resp: 1498111
Ion Ratio Lower Upper
84 100
56 112.7 89.9 134.9
41 56.7 46.1 69.1



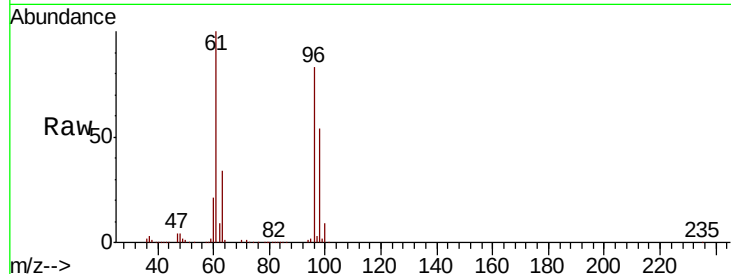


#31

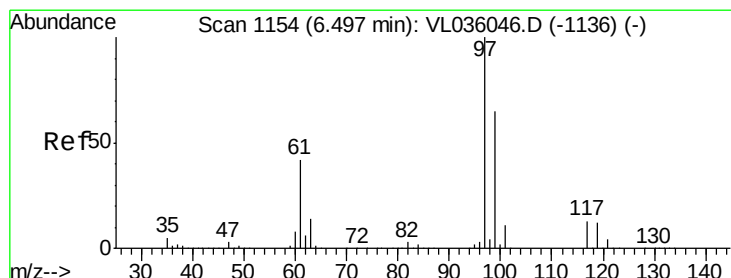
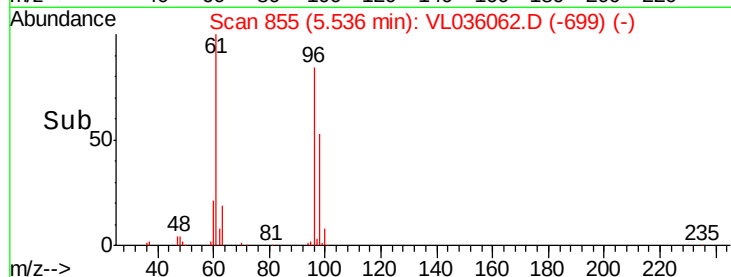
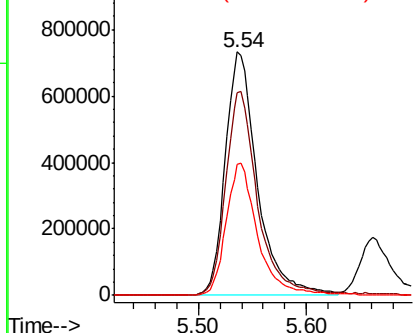
cis-1,2-Dichloroethene
 Concen: 11.393 ppbv
 RT: 5.54 min Scan# 855
 Delta R.T. 0.00 min
 Lab File: VL036062.D
 Acq: 3 Dec 2020 22:27

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 61 Resp: 1518822
 Ion Ratio Lower Upper
 61 100
 96 83.4 66.8 100.2
 98 53.7 42.6 63.8



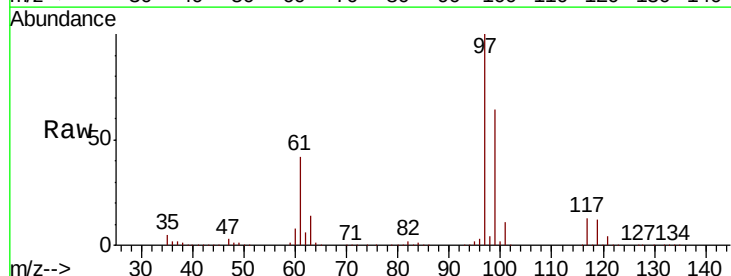
Abundance Ion 61.10 (60.80 to 61.80): VL0
 Ion 96.00 (95.70 to 96.70): VL0
 Ion 98.00 (97.70 to 98.70): VL0



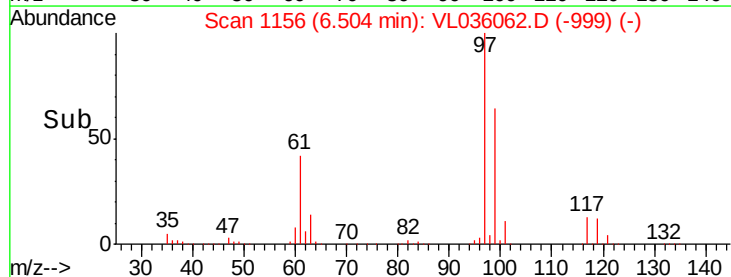
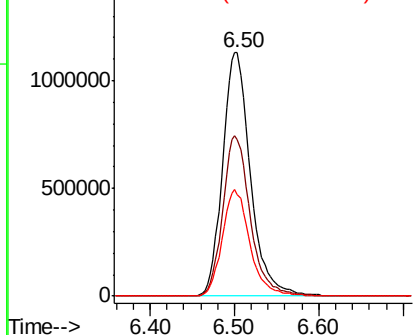
#32

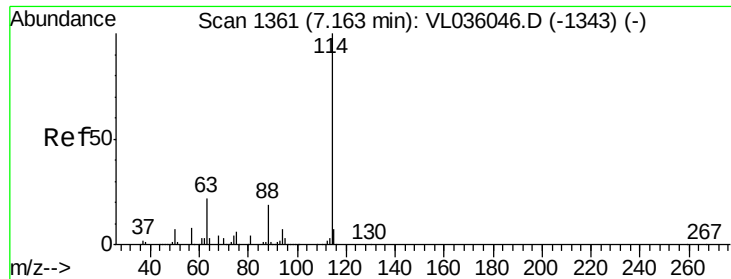
1,1,1-Trichloroethane
 Concen: 10.402 ppbv
 RT: 6.50 min Scan# 1156
 Delta R.T. 0.01 min
 Lab File: VL036062.D
 Acq: 3 Dec 2020 22:27

Tgt Ion: 97 Resp: 2590450
 Ion Ratio Lower Upper
 97 100
 99 65.3 52.4 78.6
 61 43.5 34.7 52.1



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

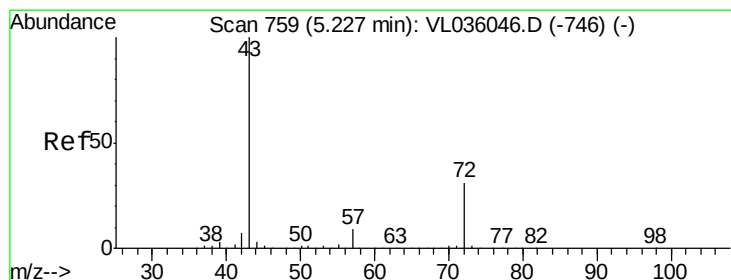
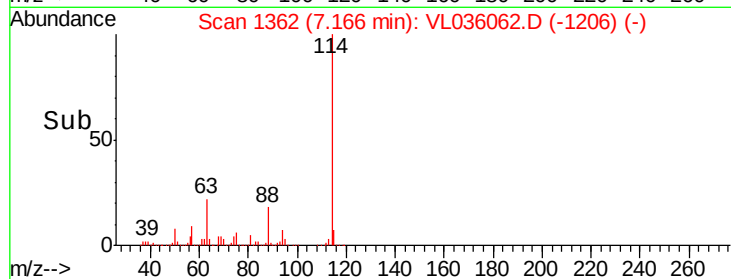
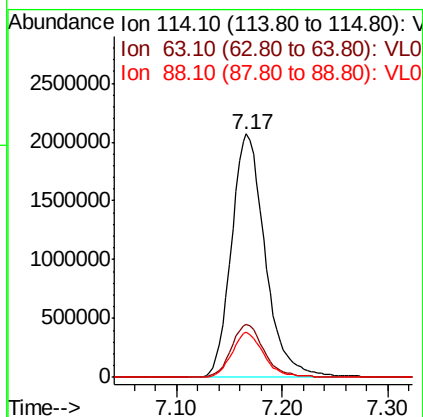
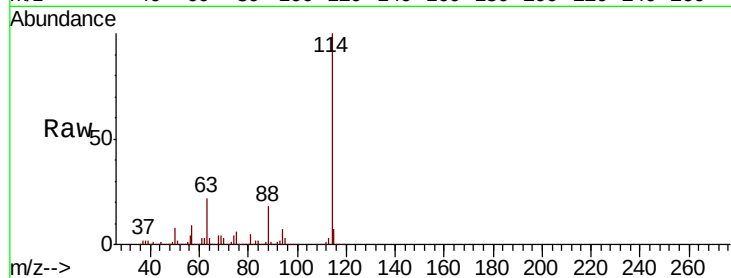




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VL036062.D
 Acq: 3 Dec 2020 22:27

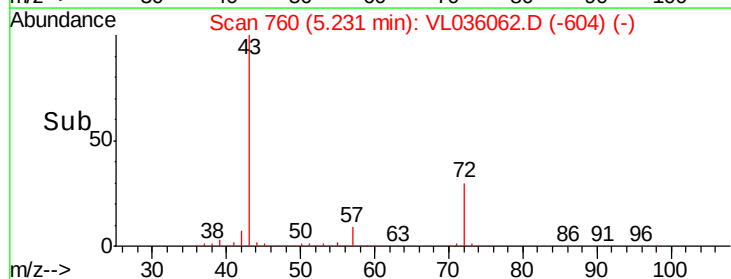
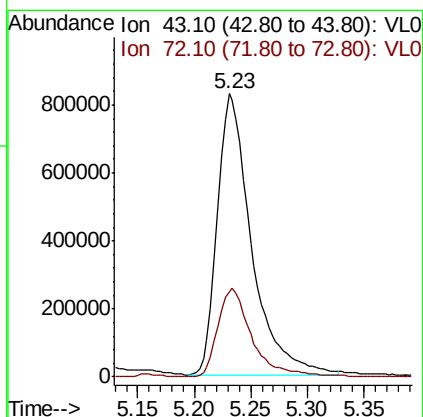
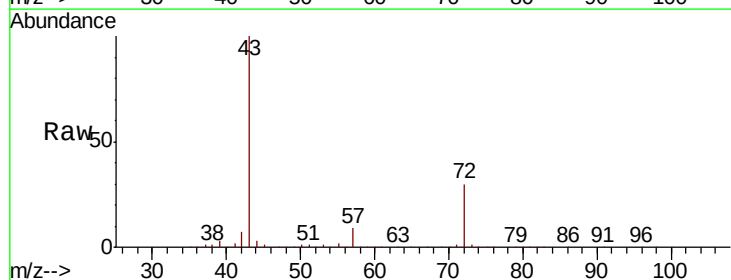
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

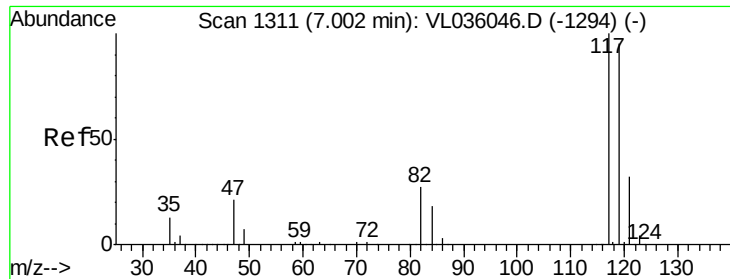
Tot Ion:114 Resp: 4586219
 Ion Ratio Lower Upper
 114 100
 63 21.5 17.2 25.8
 88 17.7 14.0 21.0



#34
 2-Butanone
 Concen: 11.176 ppbv
 RT: 5.23 min Scan# 760
 Delta R.T. 0.00 min
 Lab File: VL036062.D
 Acq: 3 Dec 2020 22:27

Tgt Ion: 43 Resp: 1729763
 Ion Ratio Lower Upper
 43 100
 72 31.6 24.5 36.7





#35

Carbon Tetrachloride

Concen: 10.647 ppbv

RT: 7.01 min Scan# 1313

Delta R.T. 0.01 min

Lab File: VL036062.D

Acq: 3 Dec 2020 22:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

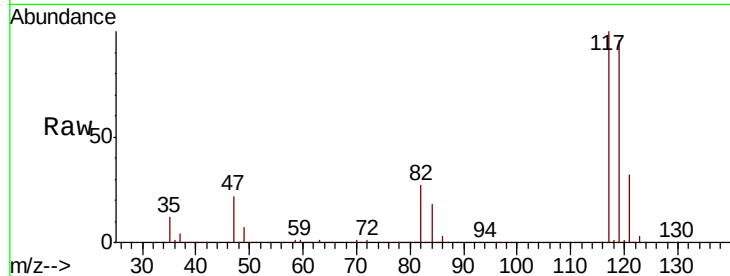
Tot Ion:117 Resp: 2537776

Ion Ratio Lower Upper

117 100

119 95.7 75.9 113.9

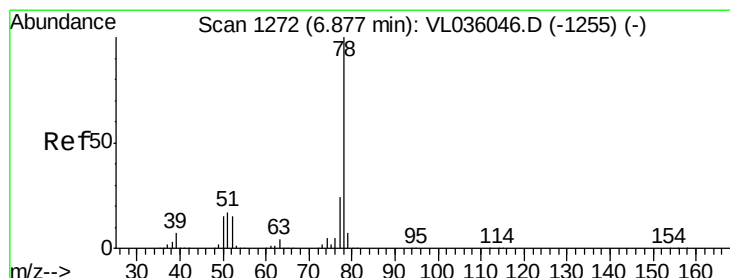
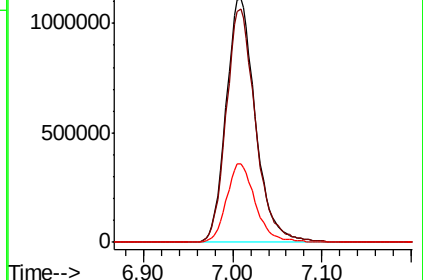
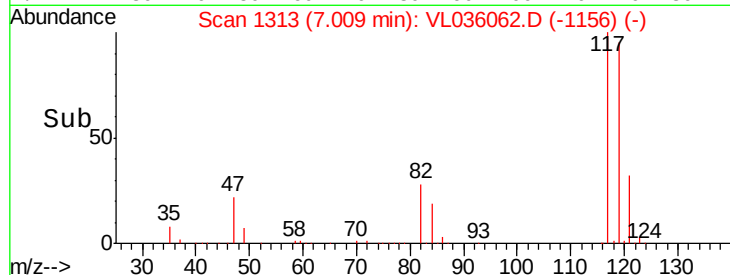
121 32.0 25.8 38.8



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: 11.116 ppbv

RT: 6.88 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VL036062.D

Acq: 3 Dec 2020 22:27

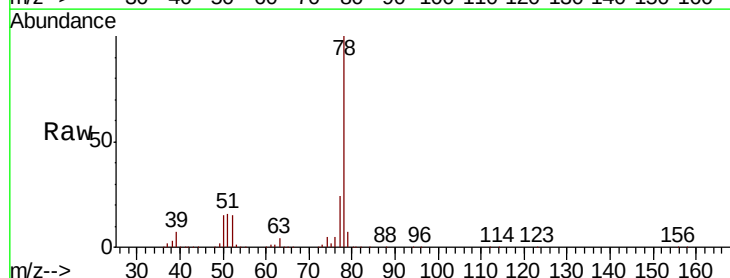
Tgt Ion: 78 Resp: 3538728

Ion Ratio Lower Upper

78 100

77 23.5 19.1 28.7

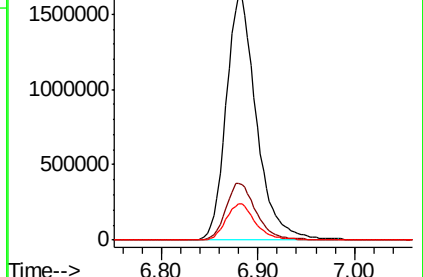
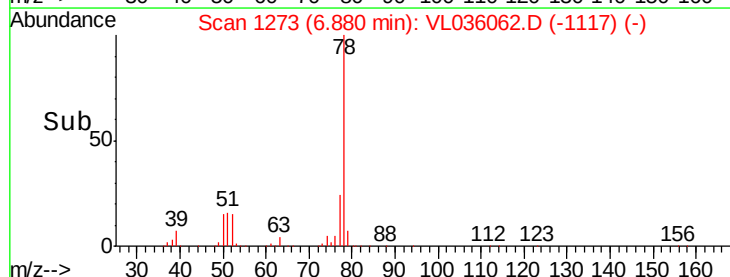
50 14.8 12.0 18.0

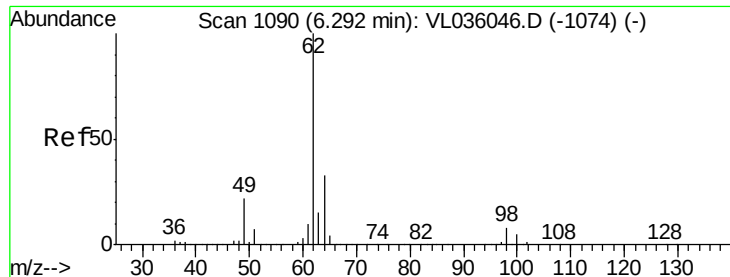


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

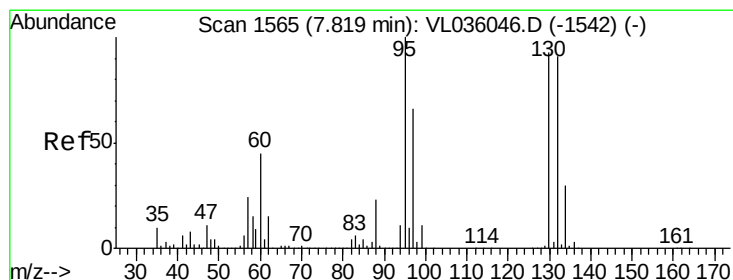
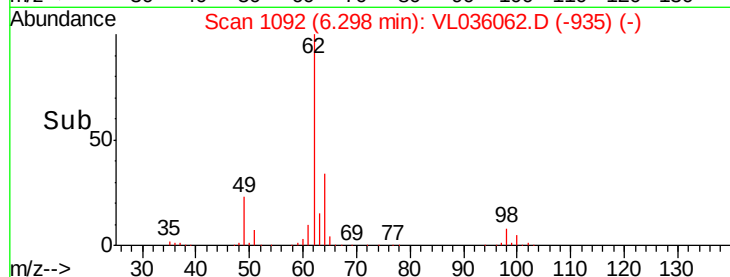
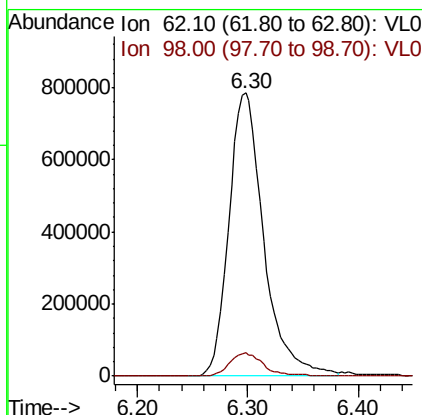
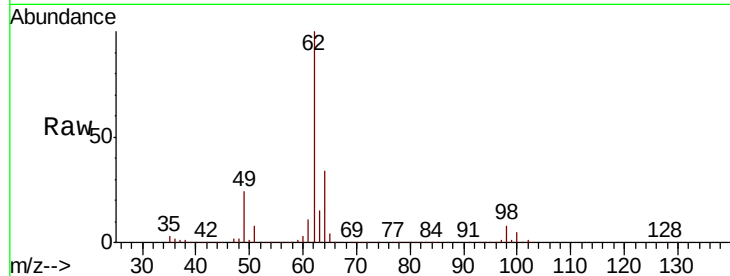




#37
 1,2-Dichloroethane
 Concen: 10.537 ppbv
 RT: 6.30 min Scan# 1092
 Delta R.T. 0.01 min
 Lab File: VL036062.D
 Acq: 3 Dec 2020 22:27

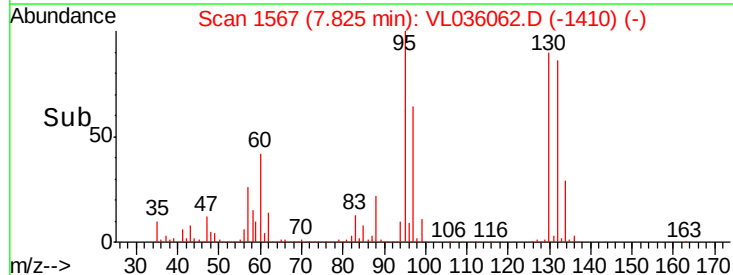
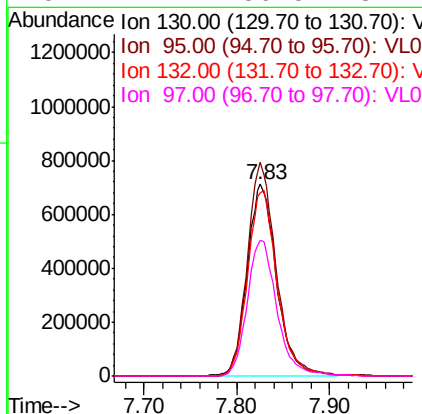
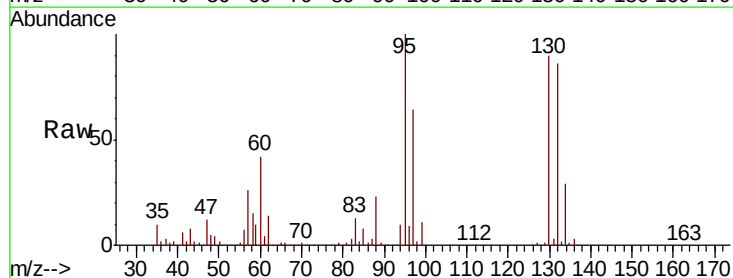
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

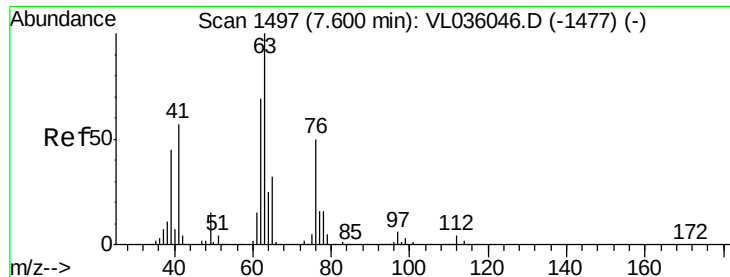
Tot Ion: 62 Resp: 1721337
 Ion Ratio Lower Upper
 62 100
 98 8.2 6.4 9.6



#38
 Trichloroethene
 Concen: 11.127 ppbv
 RT: 7.83 min Scan# 1567
 Delta R.T. 0.01 min
 Lab File: VL036062.D
 Acq: 3 Dec 2020 22:27

Tgt Ion: 130 Resp: 1569681
 Ion Ratio Lower Upper
 130 100
 95 111.6 86.1 129.1
 132 95.8 78.6 118.0
 97 71.1 56.5 84.7





#39

1,2-Dichloropropane

Concen: 10.587 ppbv

RT: 7.61 min Scan# 1499

Delta R.T. 0.01 min

Lab File: VL036062.D

Acq: 3 Dec 2020 22:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

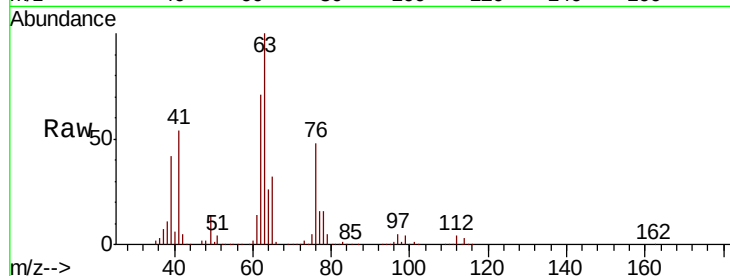
Tot Ion: 63 Resp: 1265176

Ion Ratio Lower Upper

63 100

41 53.7 45.4 68.0

62 70.6 55.3 82.9

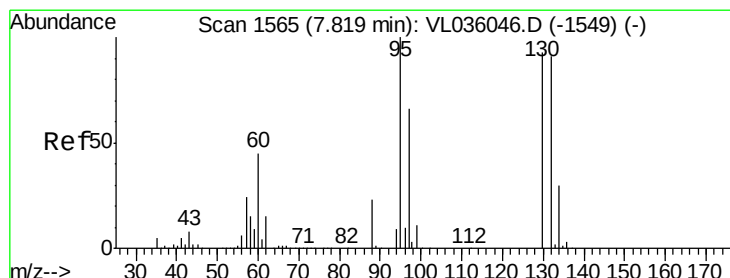
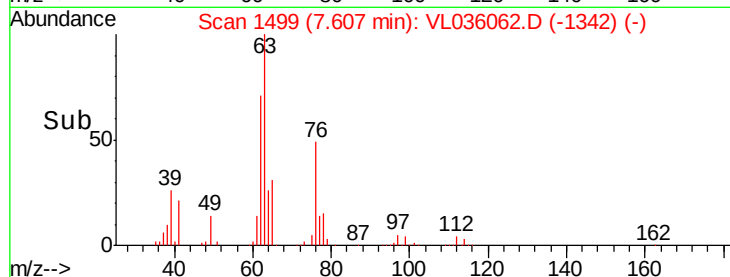
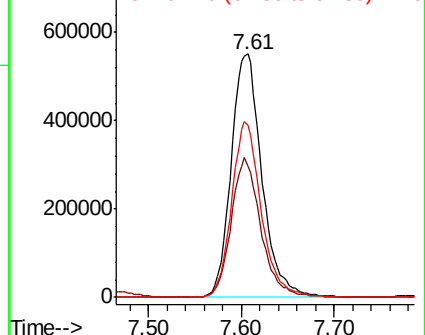


Abundance

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: 11.816 ppbv

RT: 7.82 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VL036062.D

Acq: 3 Dec 2020 22:27

Tgt Ion: 88 Resp: 471360

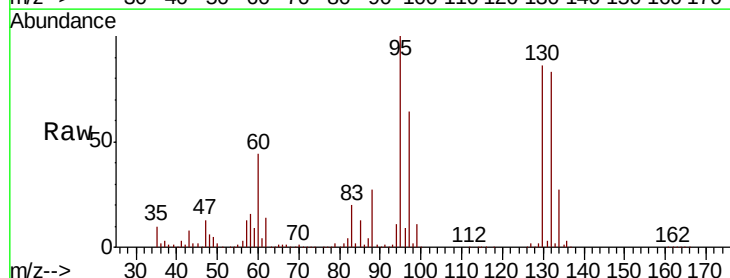
Ion Ratio Lower Upper

88 100

58 112.2 91.0 136.6

43 199.2 163.3 244.9

57 1056.0 865.6 1298.4



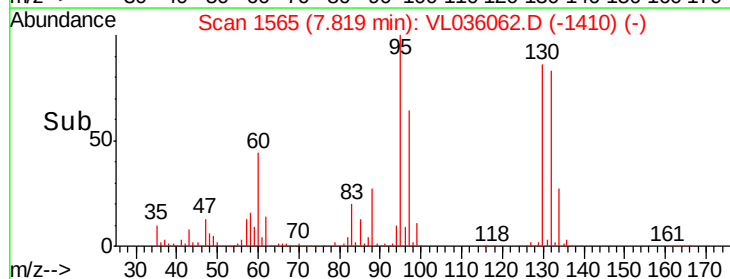
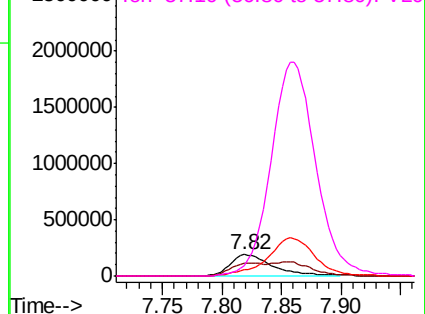
Abundance

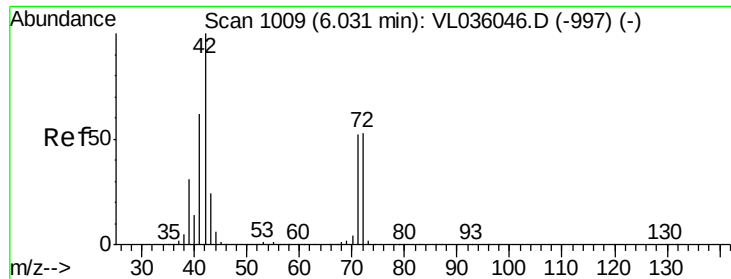
Ion 88.10 (87.80 to 88.80): VL0

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: 12.481 ppbv

RT: 6.04 min Scan# 1011

Delta R.T. 0.01 min

Lab File: VL036062.D

Acq: 3 Dec 2020 22:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

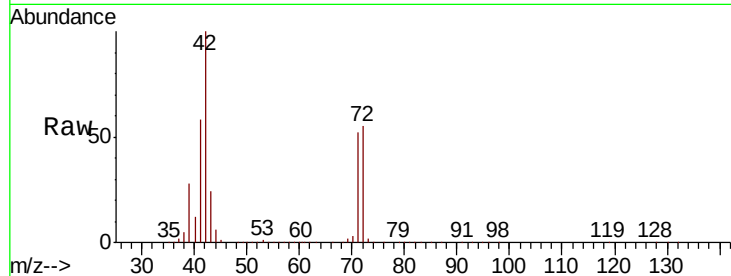
Tot Ion: 42 Resp: 1021017

Ion Ratio Lower Upper

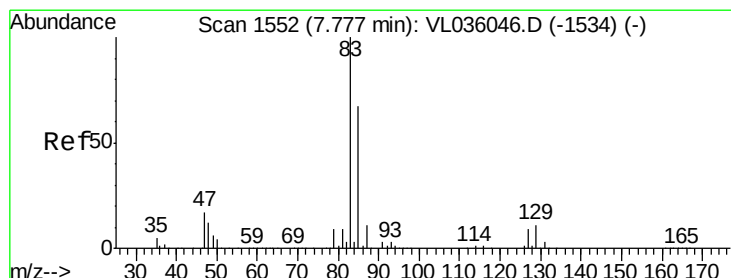
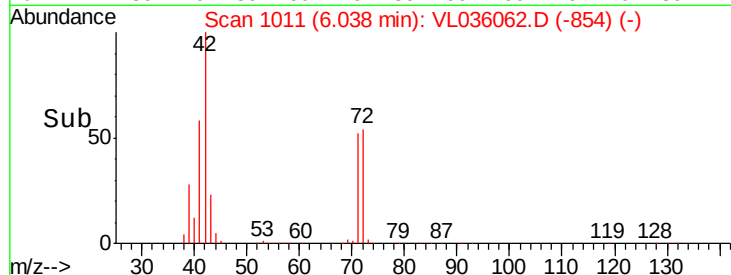
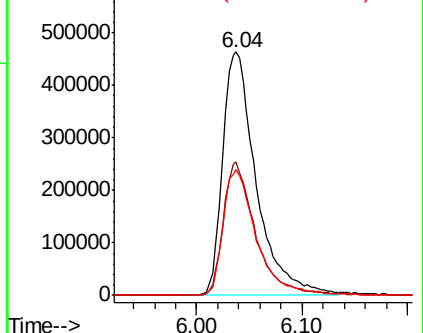
42 100

72 53.4 42.7 64.1

71 51.4 41.0 61.4



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: 11.279 ppbv

RT: 7.78 min Scan# 1554

Delta R.T. 0.01 min

Lab File: VL036062.D

Acq: 3 Dec 2020 22:27

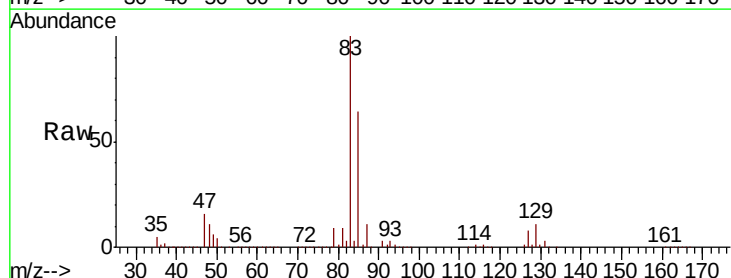
Tgt Ion: 83 Resp: 2883316

Ion Ratio Lower Upper

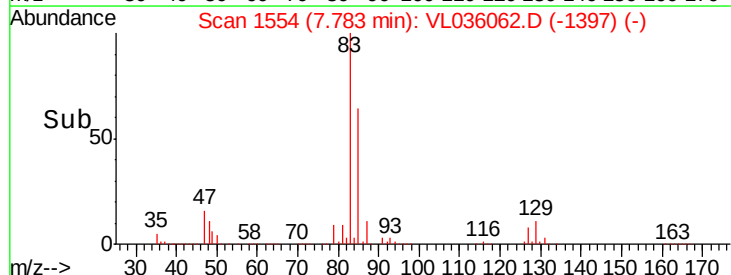
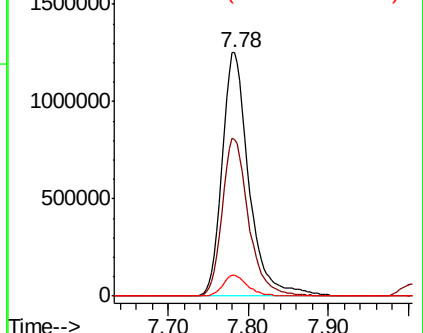
83 100

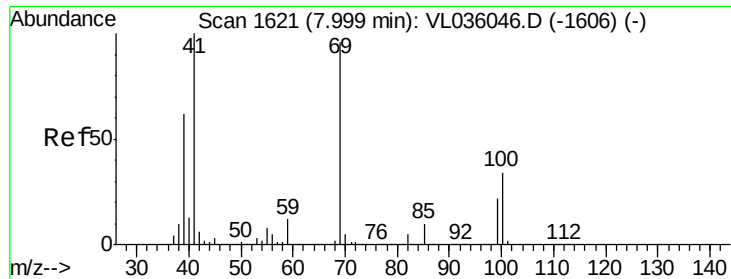
85 64.1 53.7 80.5

127 8.5 7.0 10.6



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

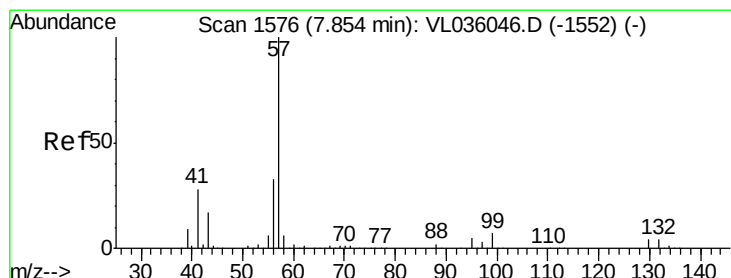
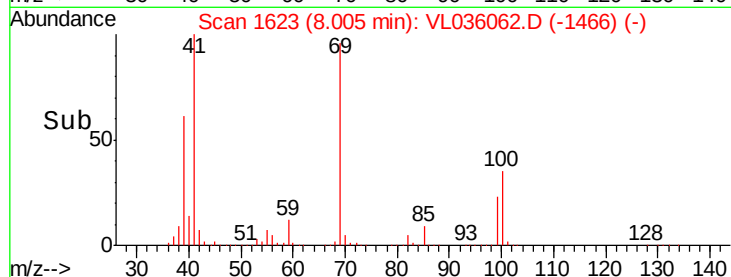
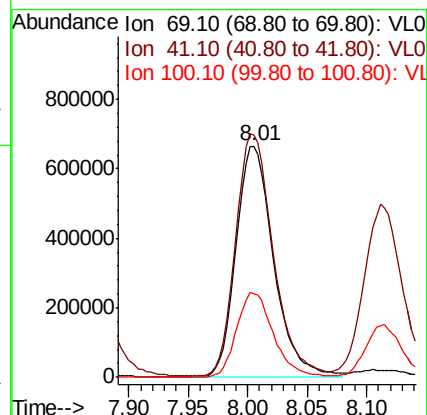
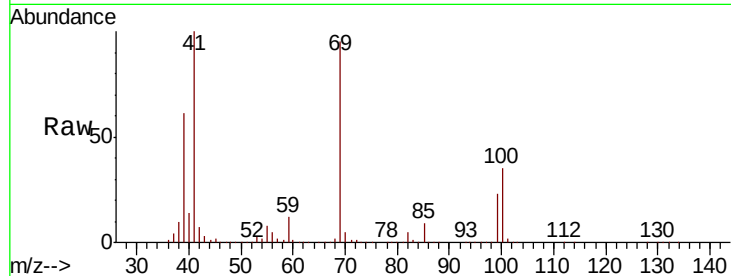




#43
Methyl Methacrylate
Concen: 12.533 ppbv
RT: 8.01 min Scan# 1623
Delta R.T. 0.01 min
Lab File: VL036062.D
Acq: 3 Dec 2020 22:27

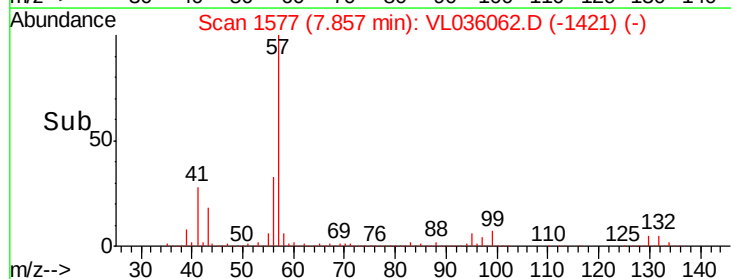
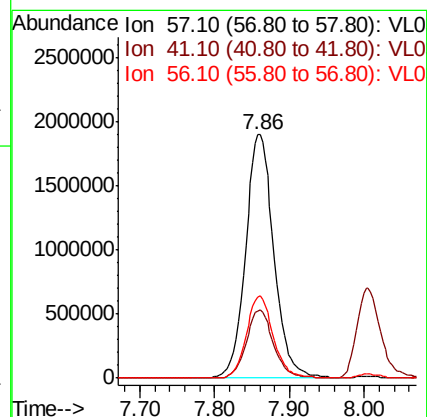
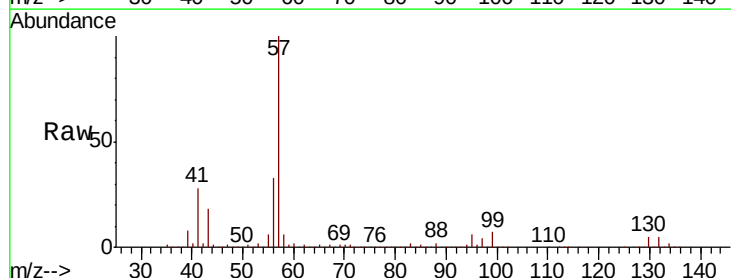
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

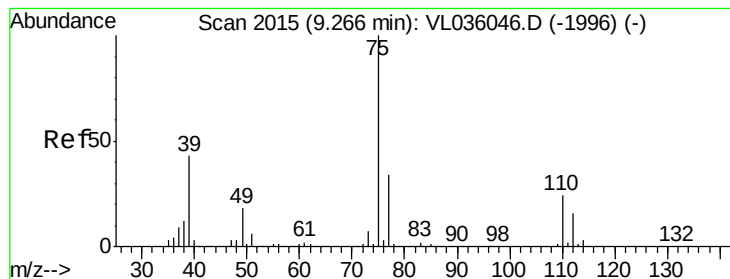
Tot Ion: 69 Resp: 1462926
Ion Ratio Lower Upper
69 100
41 105.8 86.5 129.7
100 36.0 29.0 43.6



#44
2,2,4-Trimethylpentane
Concen: 10.628 ppbv
RT: 7.86 min Scan# 1577
Delta R.T. 0.00 min
Lab File: VL036062.D
Acq: 3 Dec 2020 22:27

Tgt Ion: 57 Resp: 4977219
Ion Ratio Lower Upper
57 100
41 26.9 21.9 32.9
56 32.1 25.8 38.6





#45

t-1,3-Dichloropropene

Concen: 13.504 ppbv

RT: 9.27 min Scan# 2016

Delta R.T. 0.00 min

Lab File: VL036062.D

Acq: 3 Dec 2020 22:27

Instrument :

MSVOA_L

ClientSampleId :

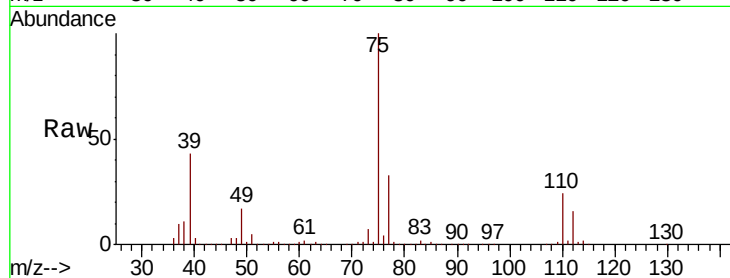
VSTDCCC010EC

Tot Ion: 75 Resp: 1473898

Ion Ratio Lower Upper

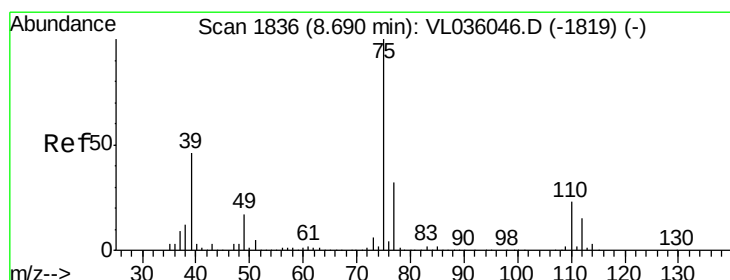
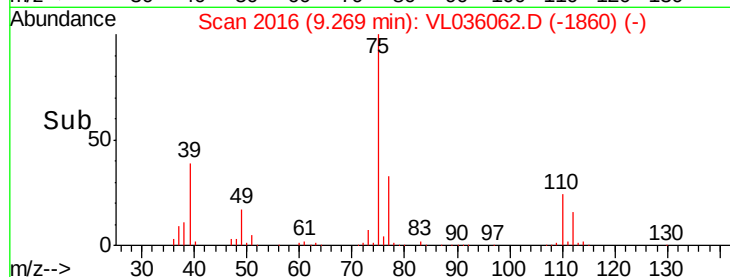
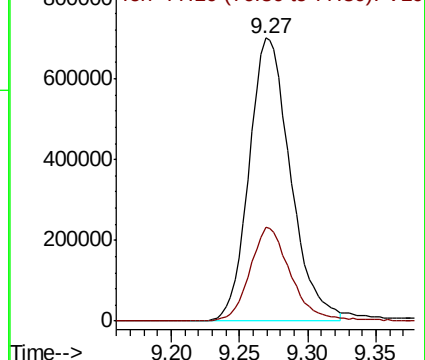
75 100

77 33.4 26.8 40.2



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#46

cis-1,3-Dichloropropene

Concen: 13.174 ppbv

RT: 8.69 min Scan# 1837

Delta R.T. 0.00 min

Lab File: VL036062.D

Acq: 3 Dec 2020 22:27

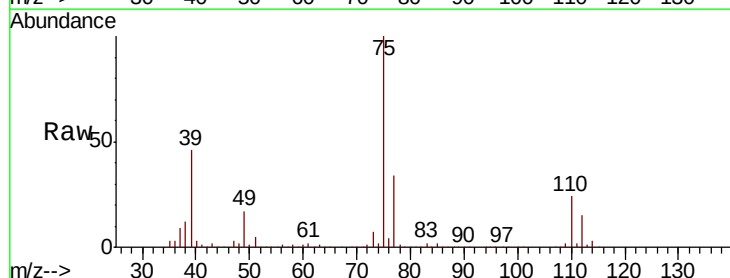
Tgt Ion: 75 Resp: 1896197

Ion Ratio Lower Upper

75 100

39 45.9 37.0 55.4

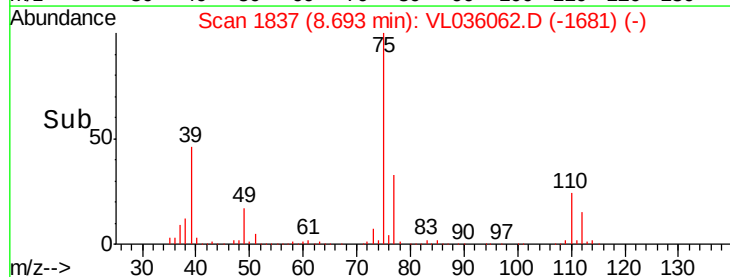
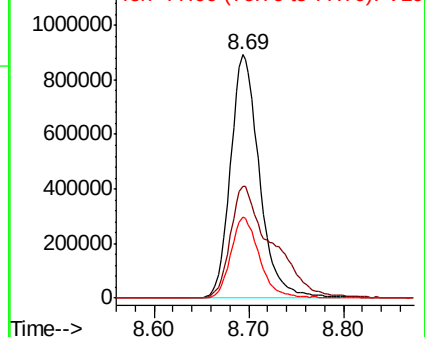
77 33.5 25.5 38.3

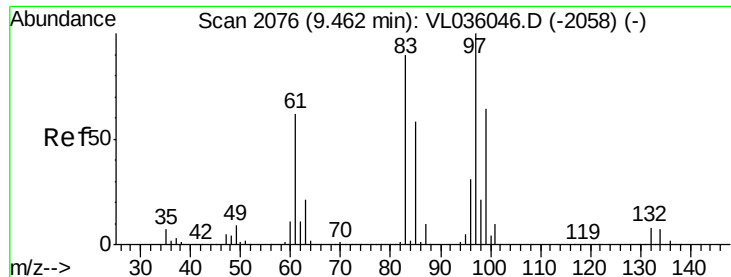


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0



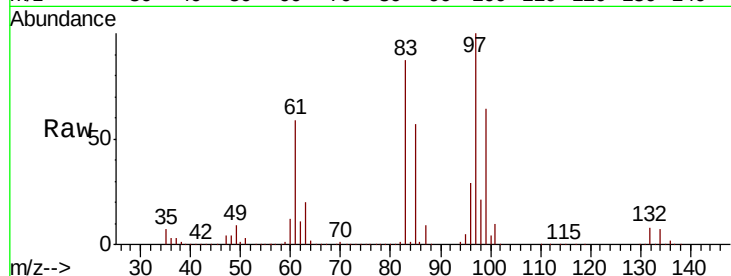


#47
 1,1,2-Trichloroethane
 Concen: 10.595 ppbv
 RT: 9.47 min Scan# 2078
 Delta R.T. 0.01 min
 Lab File: VL036062.D
 Acq: 3 Dec 2020 22:27

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 97 Resp: 1607877

Ion	Ratio	Lower	Upper
97	100		
83	87.1	72.1	108.1
85	56.7	46.6	69.8
99	64.2	51.0	76.4



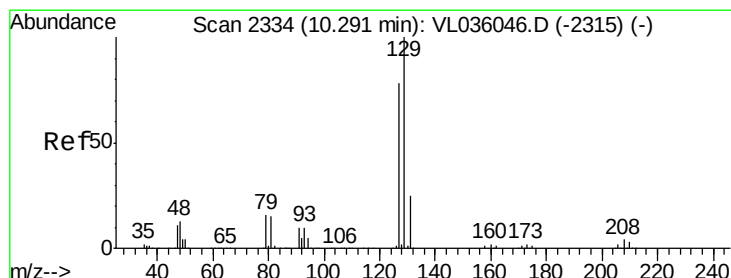
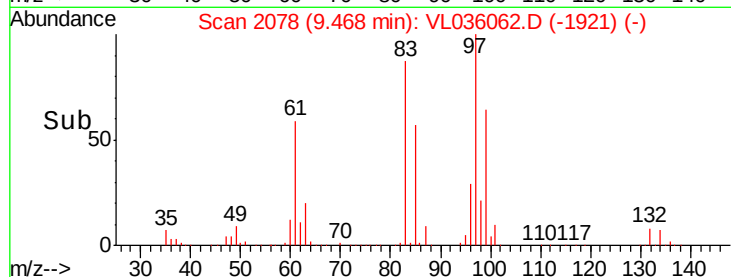
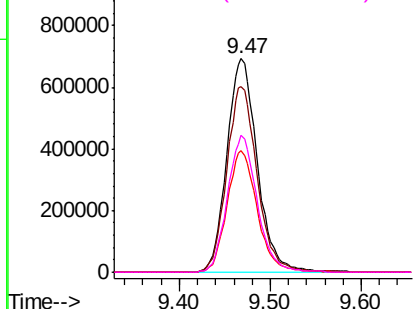
Abundance

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

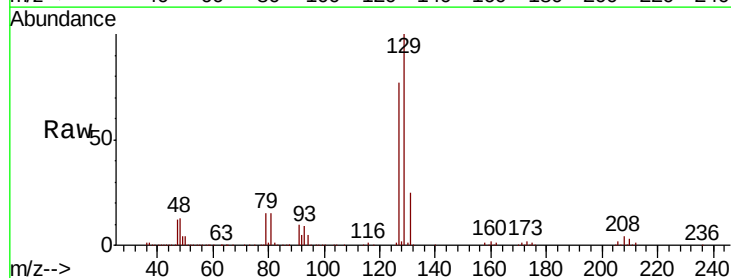
Ion 99.00 (98.70 to 99.70): VL0



#48
 Dibromochloromethane
 Concen: 11.808 ppbv
 RT: 10.30 min Scan# 2336
 Delta R.T. 0.01 min
 Lab File: VL036062.D
 Acq: 3 Dec 2020 22:27

Tgt Ion: 129 Resp: 2485223

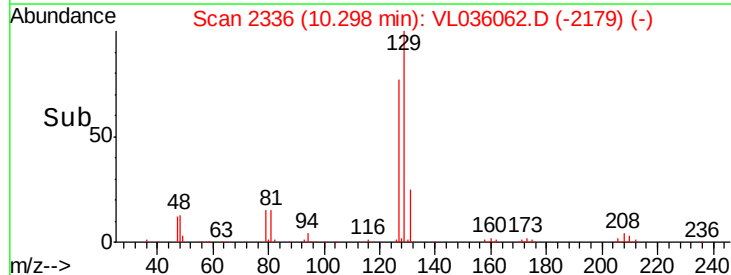
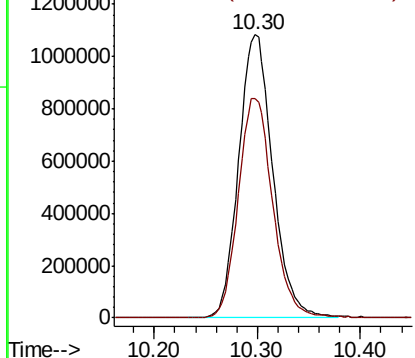
Ion	Ratio	Lower	Upper
129	100		
127	78.8	39.4	118.2

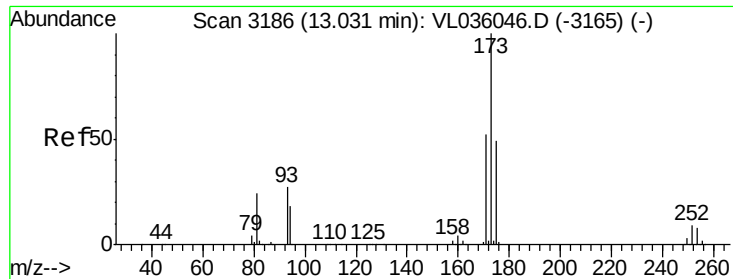


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 12.364 ppbv

RT: 13.03 min Scan# 3187

Delta R.T. 0.00 min

Lab File: VL036062.D

Acq: 3 Dec 2020 22:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

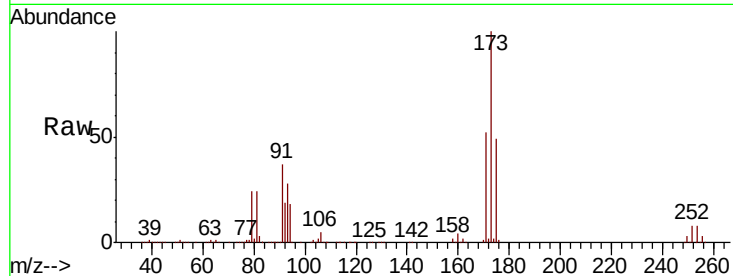
Tot Ion:173 Resp: 1927070

Ion Ratio Lower Upper

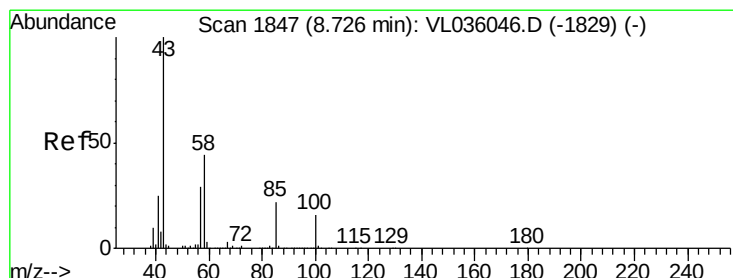
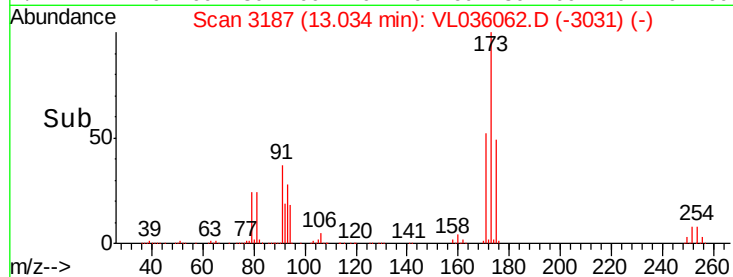
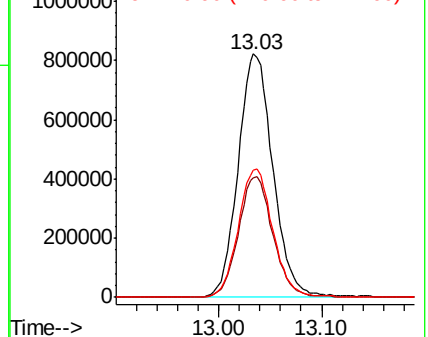
173 100

175 49.6 39.5 59.3

171 53.0 42.6 63.8



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: 11.172 ppbv

RT: 8.73 min Scan# 1849

Delta R.T. 0.01 min

Lab File: VL036062.D

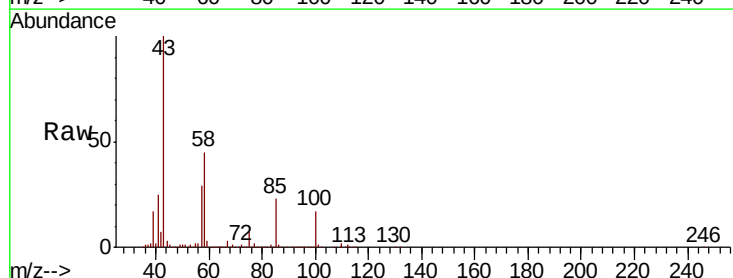
Acq: 3 Dec 2020 22:27

Tgt Ion: 43 Resp: 2704673

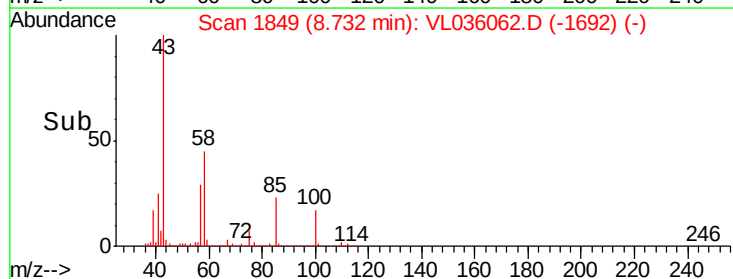
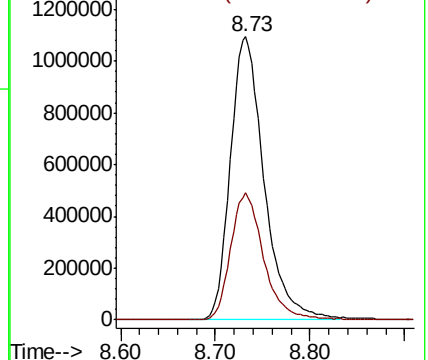
Ion Ratio Lower Upper

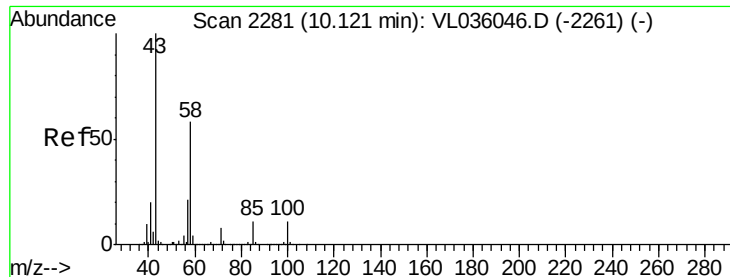
43 100

58 44.1 34.7 52.1



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0

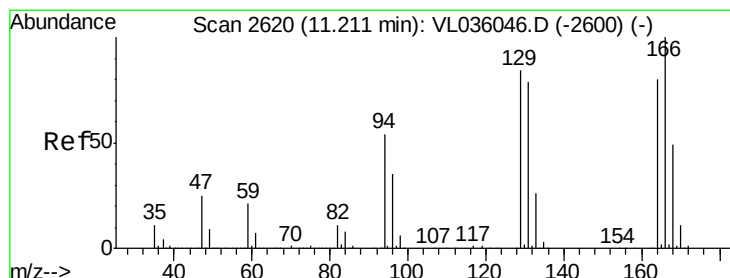
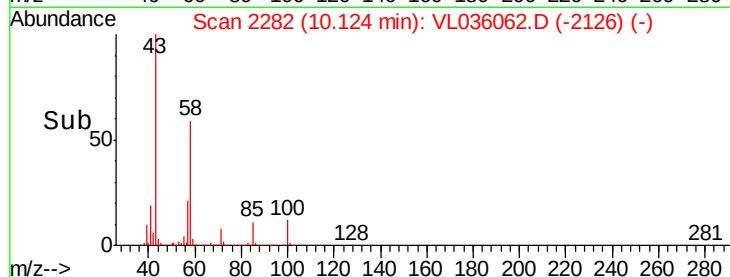
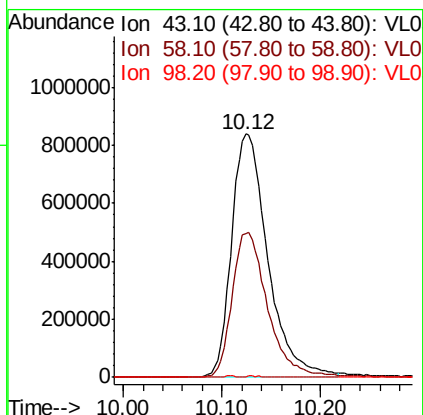
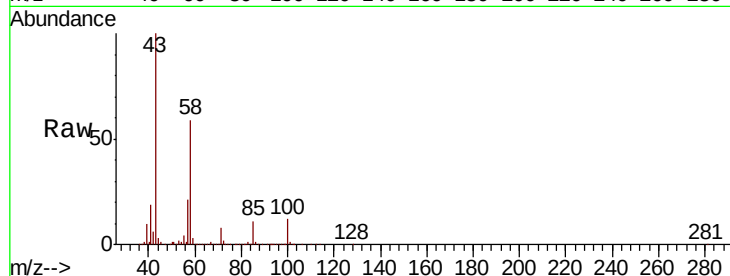




#51
2-Hexanone
Concen: 12.313 ppbv
RT: 10.12 min Scan# 2282
Delta R.T. 0.00 min
Lab File: VL036062.D
Acq: 3 Dec 2020 22:27

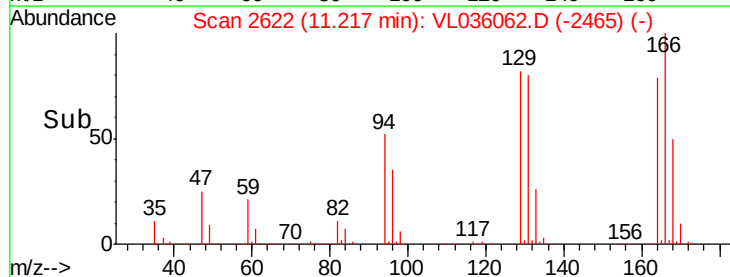
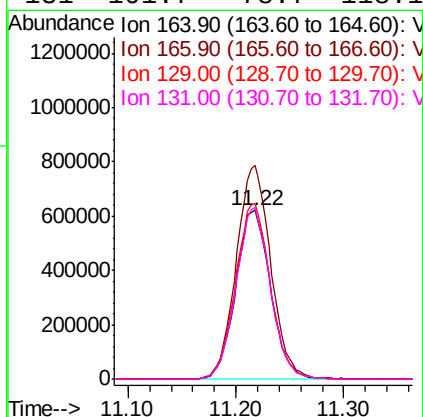
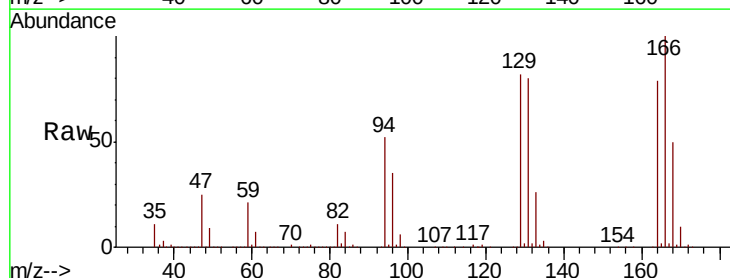
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

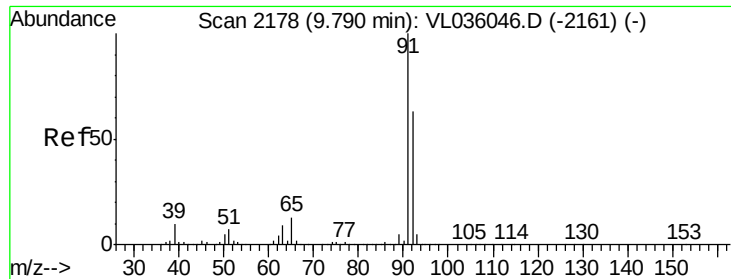
Tot Ion: 43 Resp: 2146560
Ion Ratio Lower Upper
43 100
58 58.5 45.7 68.5
98 0.8 0.8 1.2



#52
Tetrachloroethene
Concen: 11.384 ppbv
RT: 11.22 min Scan# 2622
Delta R.T. 0.01 min
Lab File: VL036062.D
Acq: 3 Dec 2020 22:27

Tgt Ion: 164 Resp: 1393854
Ion Ratio Lower Upper
164 100
166 126.8 100.2 150.2
129 104.0 83.7 125.5
131 101.7 78.7 118.1





#53

Toluene

Concen: 11.990 ppbv

RT: 9.80 min Scan# 2180

Delta R.T. 0.01 min

Lab File: VL036062.D

Acq: 3 Dec 2020 22:27

Instrument :

MSVOA_L

ClientSampleId :

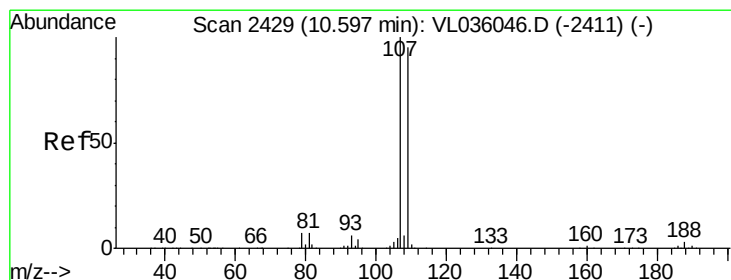
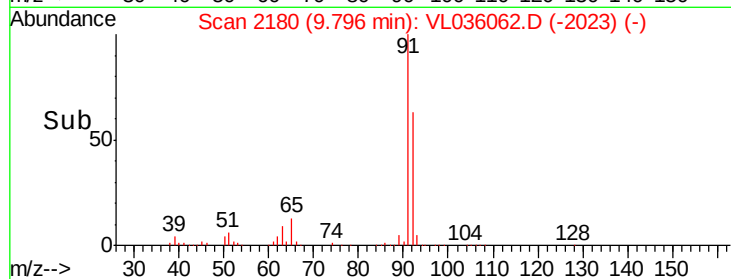
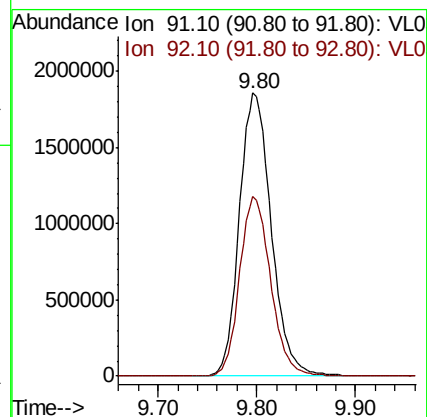
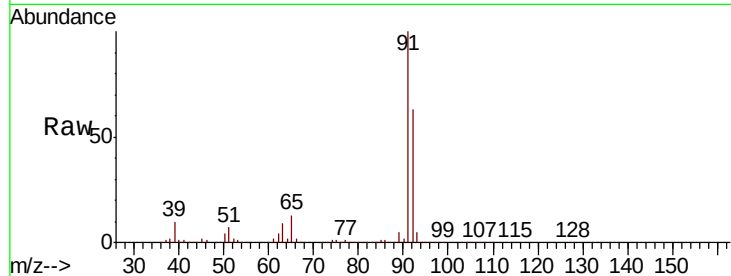
VSTDCCC010EC

Tot Ion: 91 Resp: 4171700

Ion Ratio Lower Upper

91 100

92 61.9 49.3 73.9



#54

1,2-Dibromoethane

Concen: 11.091 ppbv

RT: 10.60 min Scan# 2431

Delta R.T. 0.01 min

Lab File: VL036062.D

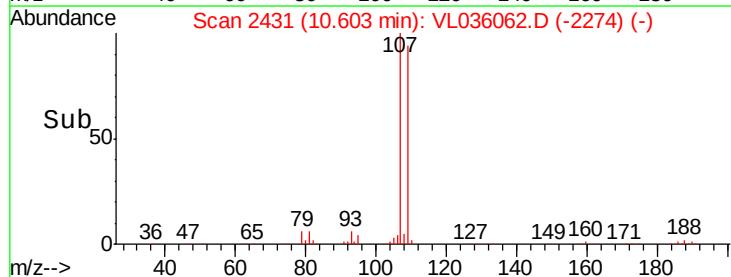
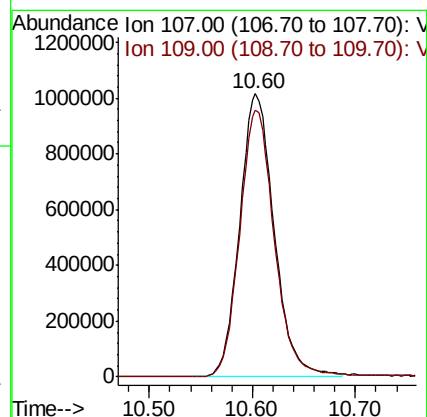
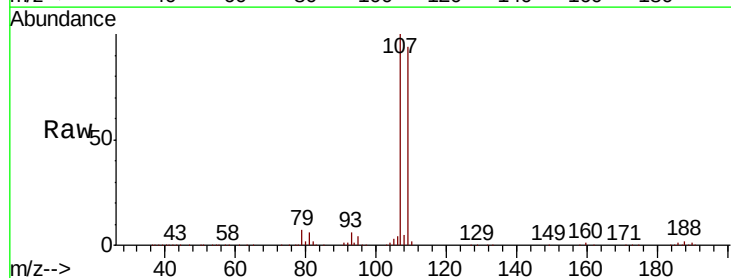
Acq: 3 Dec 2020 22:27

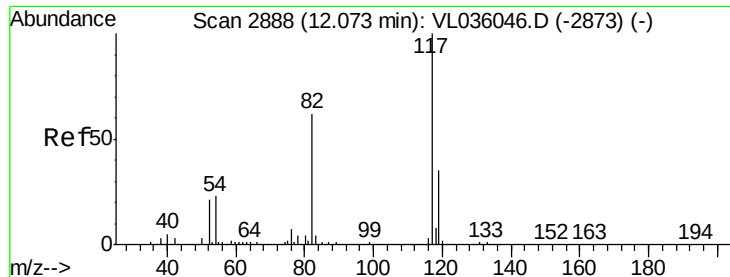
Tgt Ion: 107 Resp: 2365340

Ion Ratio Lower Upper

107 100

109 94.1 75.7 113.5

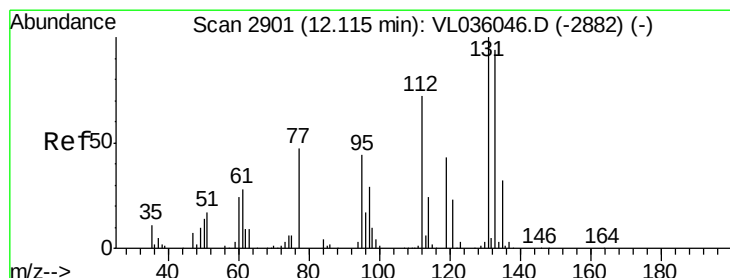
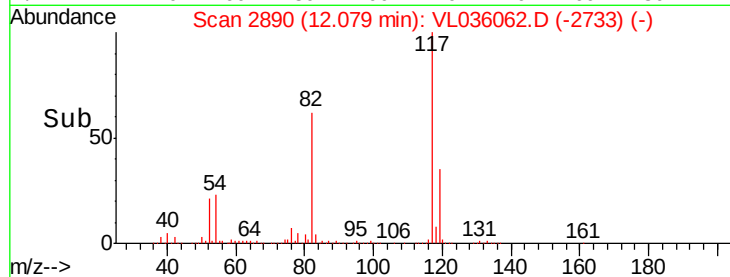
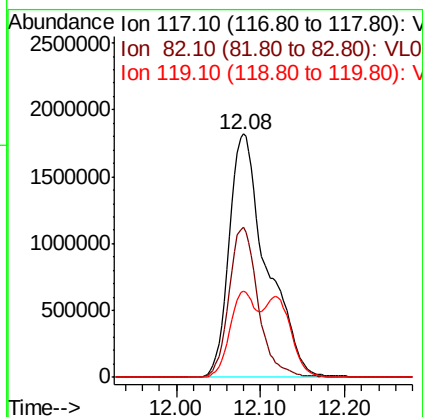
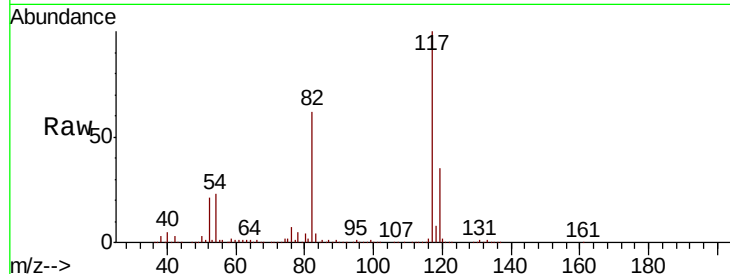




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min Scan# 2890
Delta R.T. 0.01 min
Lab File: VL036062.D
Acq: 3 Dec 2020 22:27

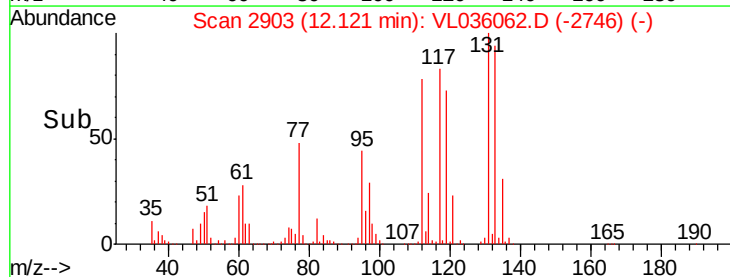
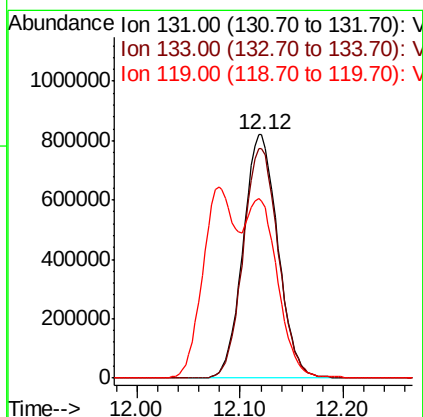
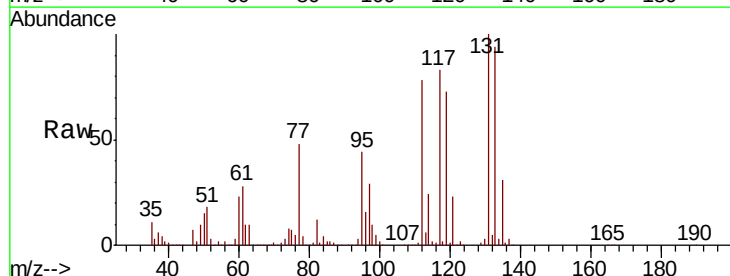
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

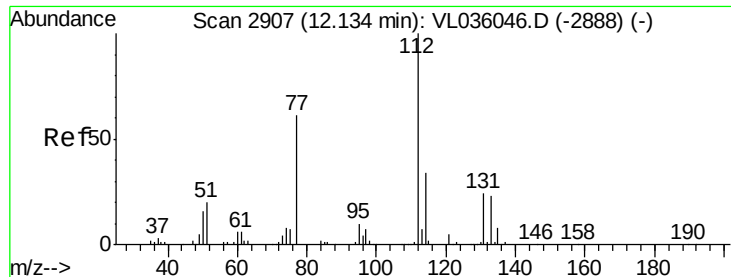
Tot Ion:117 Resp: 5627011
Ion Ratio Lower Upper
117 100
82 48.2 49.9 74.9#
119 24.8 28.7 43.1#



#56
1,1,1,2-Tetrachloroethane
Concen: 8.366 ppbv
RT: 12.12 min Scan# 2903
Delta R.T. 0.01 min
Lab File: VL036062.D
Acq: 3 Dec 2020 22:27

Tgt Ion:131 Resp: 1922420
Ion Ratio Lower Upper
131 100
133 95.7 76.1 114.1
119 66.8 49.5 74.3

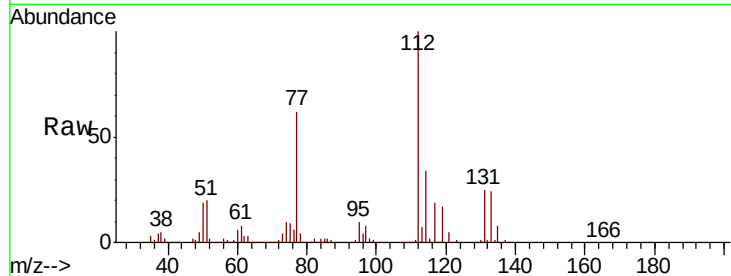




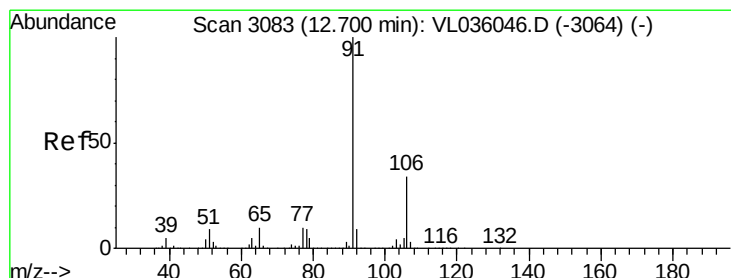
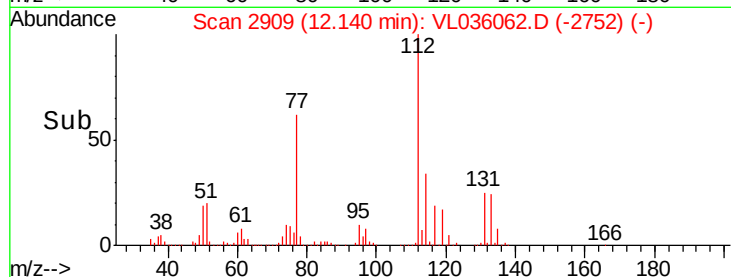
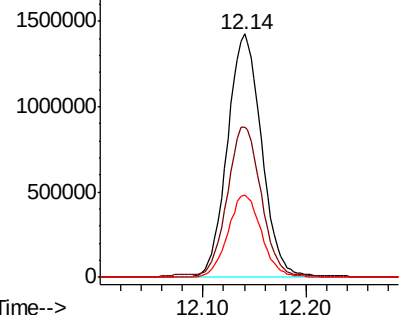
#57
Chlorobenzene
Concen: 7.942 ppbv
RT: 12.14 min Scan# 2909
Delta R.T. 0.01 min
Lab File: VL036062.D
Acq: 3 Dec 2020 22:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:112 Resp: 3289331
Ion Ratio Lower Upper
112 100
77 61.3 49.3 73.9
114 33.8 30.2 36.9

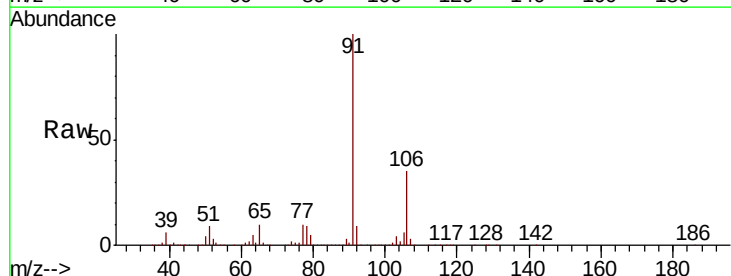


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

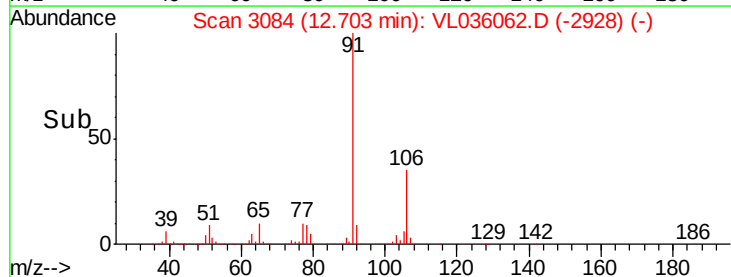
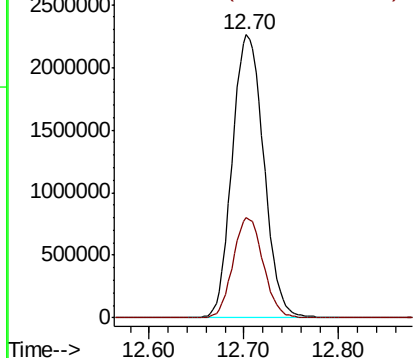


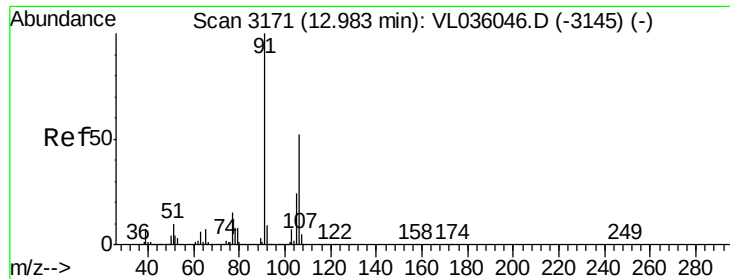
#58
Ethyl Benzene
Concen: 9.313 ppbv
RT: 12.70 min Scan# 3084
Delta R.T. 0.00 min
Lab File: VL036062.D
Acq: 3 Dec 2020 22:27

Tgt Ion: 91 Resp: 5248964
Ion Ratio Lower Upper
91 100
106 35.5 27.4 41.2



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

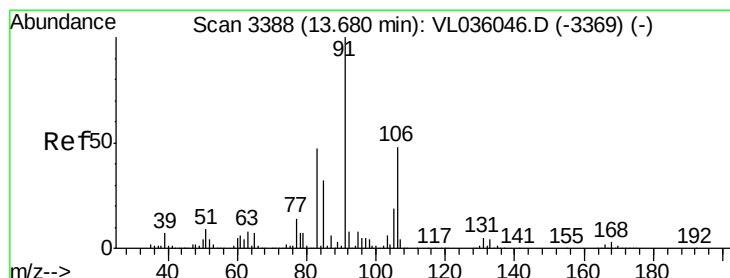
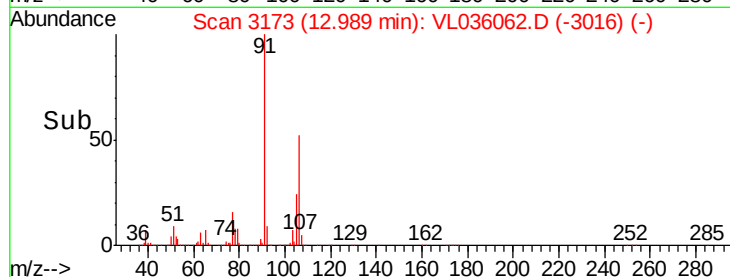
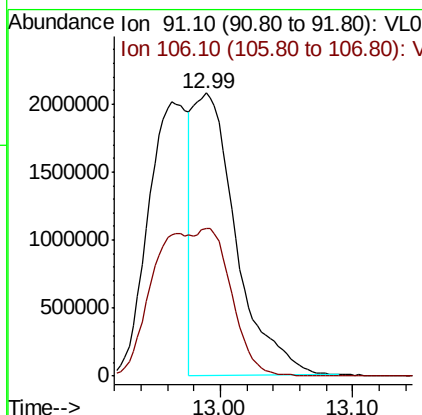
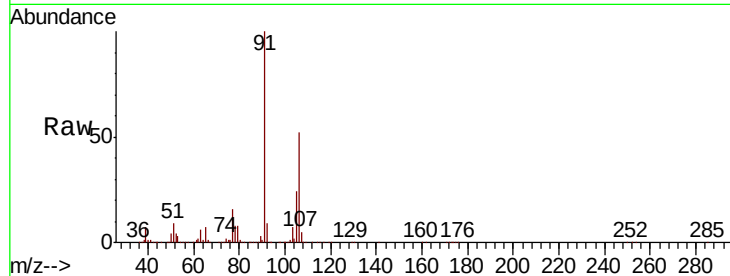




#59
m/p-Xylene
Concen: 9.097 ppbv
RT: 12.99 min Scan# 3173
Delta R.T. 0.01 min
Lab File: VL036062.D
Acq: 3 Dec 2020 22:27

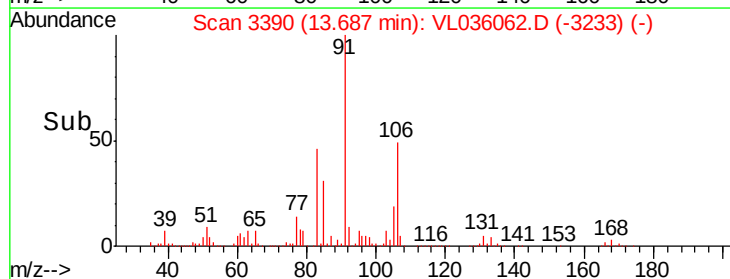
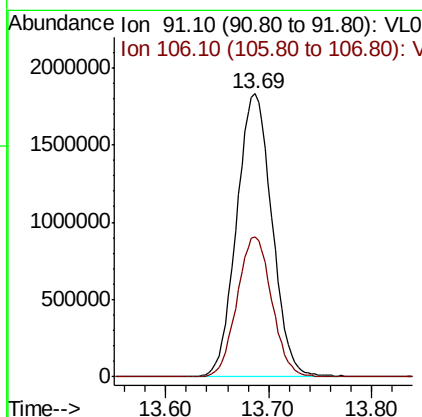
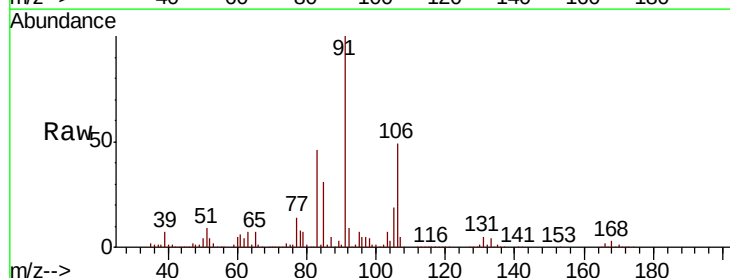
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

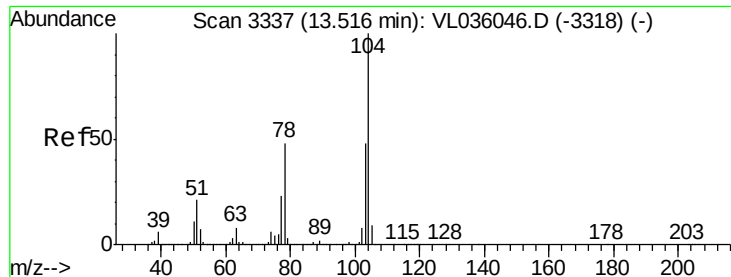
Tot Ion: 91 Resp: 4654880
Ion Ratio Lower Upper
91 100
106 93.6 38.7 58.1#



#60
o-Xylene
Concen: 8.472 ppbv
RT: 13.69 min Scan# 3390
Delta R.T. 0.01 min
Lab File: VL036062.D
Acq: 3 Dec 2020 22:27

Tgt Ion: 91 Resp: 4359033
Ion Ratio Lower Upper
91 100
106 48.8 24.1 72.3





#61

Stvrene

Concen: 10.424 ppbv

RT: 13.52 min Scan# 3339

Delta R.T. 0.01 min

Lab File: VL036062.D

Acq: 3 Dec 2020 22:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

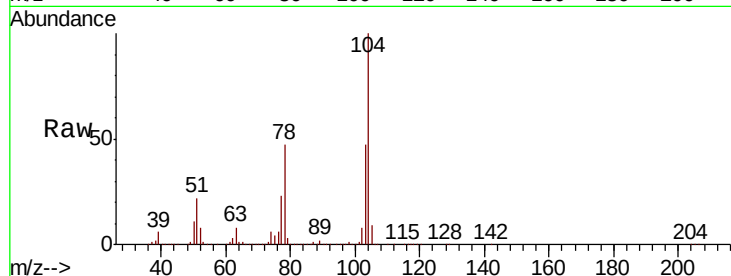
Tot Ion:104 Resp: 3064647

Ion	Ratio	Lower	Upper
104	100		
78	47.3	38.0	57.0
103	47.5	37.7	56.5

104 100

78 47.3 38.0 57.0

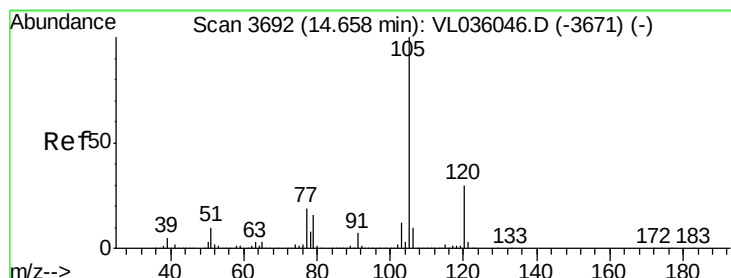
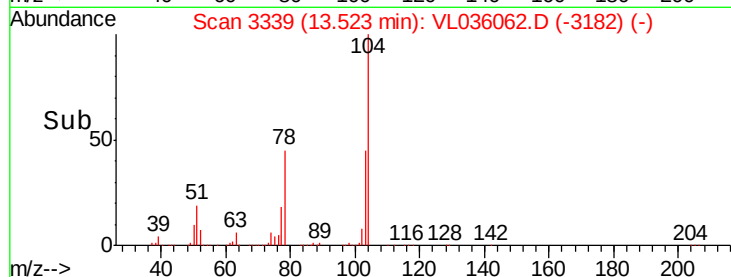
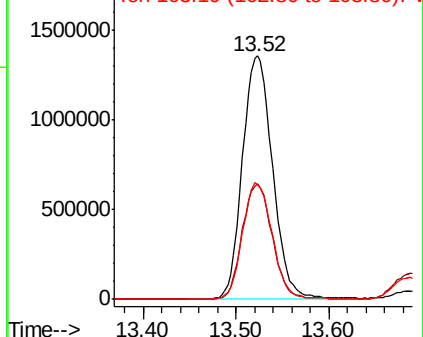
103 47.5 37.7 56.5



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 8.266 ppbv

RT: 14.66 min Scan# 3693

Delta R.T. 0.00 min

Lab File: VL036062.D

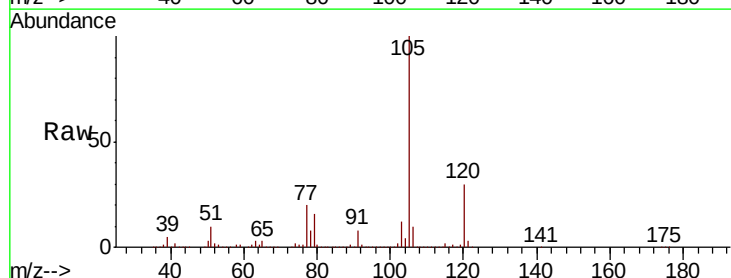
Acq: 3 Dec 2020 22:27

Tgt Ion:105 Resp: 6320544

Ion	Ratio	Lower	Upper
105	100		
120	28.8	22.6	34.0

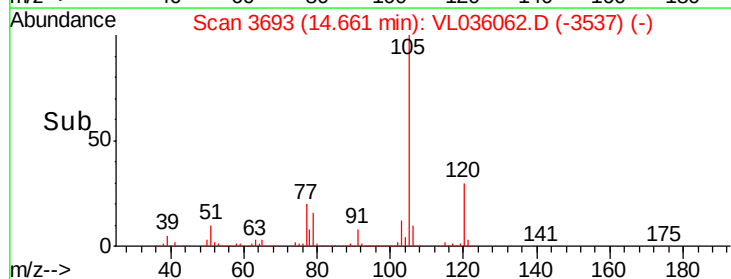
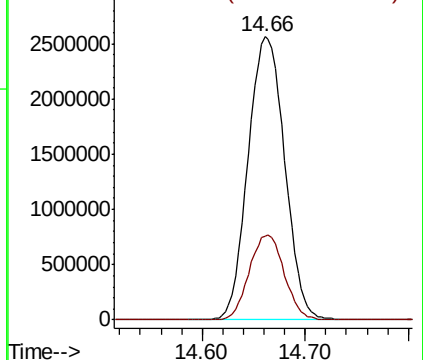
105 100

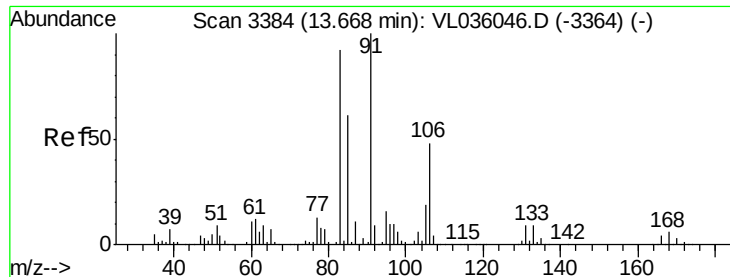
120 28.8 22.6 34.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#63

1,1,2,2-Tetrachloroethane

Concen: 7.349 ppbv

RT: 13.67 min Scan# 3385

Delta R.T. 0.00 min

Lab File: VL036062.D

Acq: 3 Dec 2020 22:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

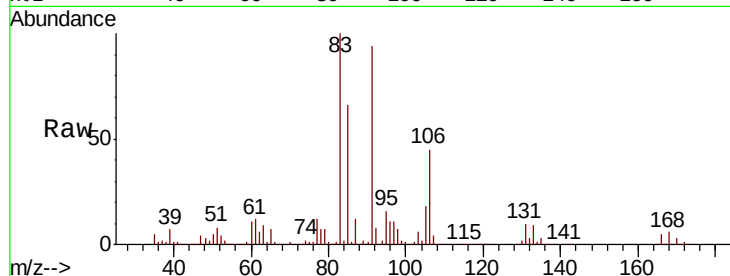
Tot Ion: 83 Resp: 3108746

Ion Ratio Lower Upper

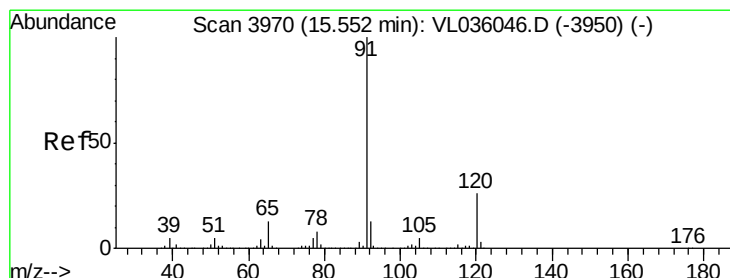
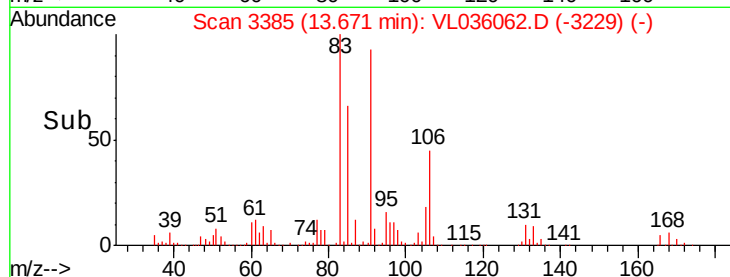
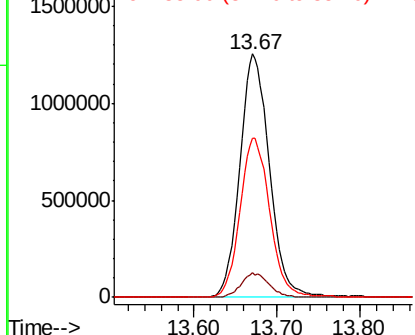
83 100

131 9.6 4.8 14.4

85 66.5 33.3 99.9



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 131.00 (130.70 to 131.70): V
Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 8.923 ppbv

RT: 15.56 min Scan# 3972

Delta R.T. 0.01 min

Lab File: VL036062.D

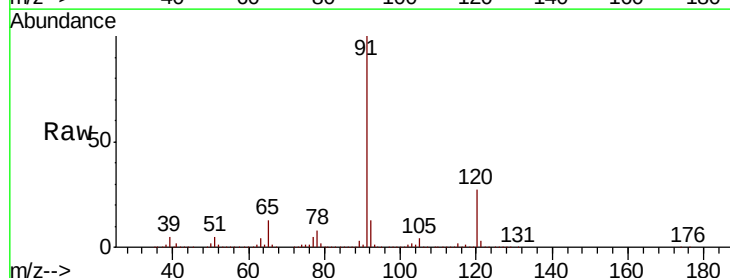
Acq: 3 Dec 2020 22:27

Tgt Ion:120 Resp: 1805670

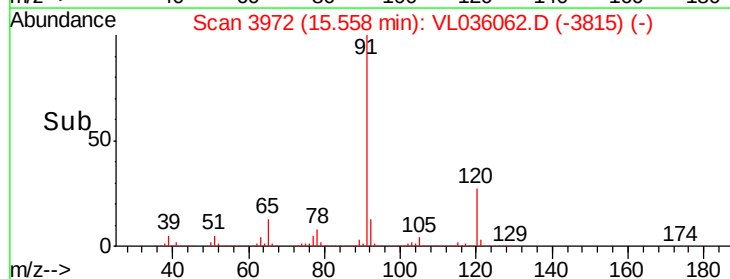
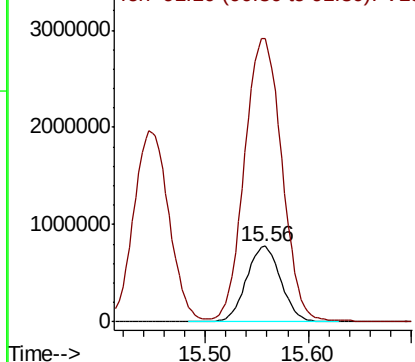
Ion Ratio Lower Upper

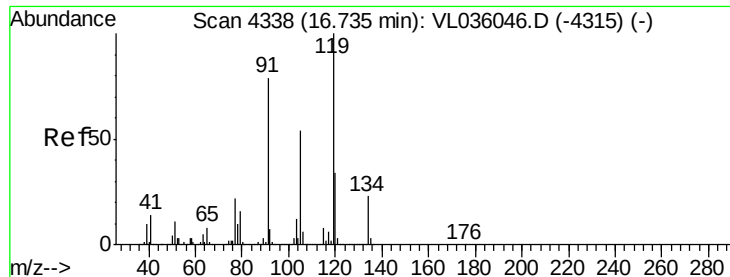
120 100

91 408.0 331.4 497.2



Abundance Ion 120.20 (119.90 to 120.90): V
Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 8.516 ppbv

RT: 16.74 min Scan# 4340

Delta R.T. 0.01 min

Lab File: VL036062.D

Acq: 3 Dec 2020 22:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

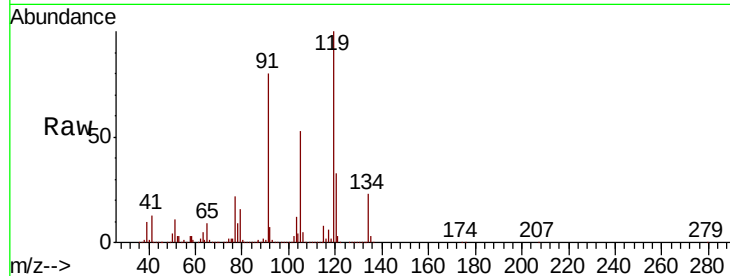
Tot Ion:119 Resp: 5466420

Ion Ratio Lower Upper

119 100

91 79.3 63.4 95.2

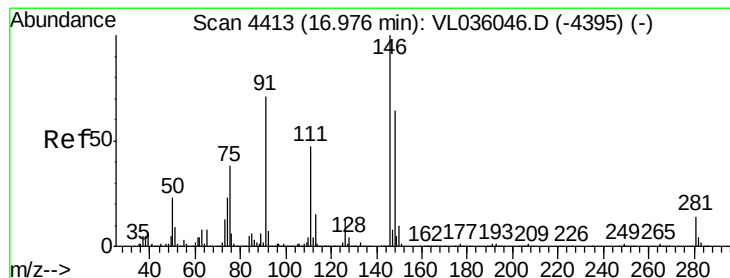
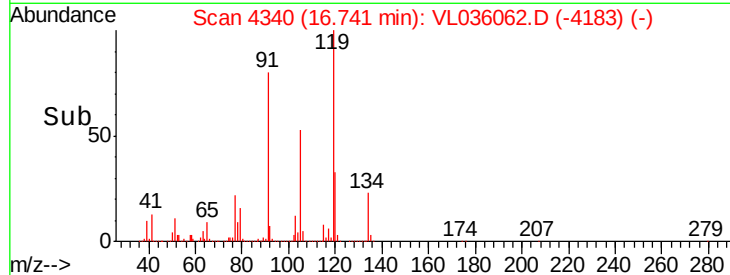
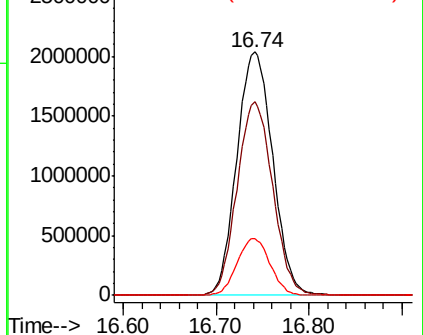
134 21.6 17.1 25.7



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 10.184 ppbv

RT: 16.99 min Scan# 4416

Delta R.T. 0.01 min

Lab File: VL036062.D

Acq: 3 Dec 2020 22:27

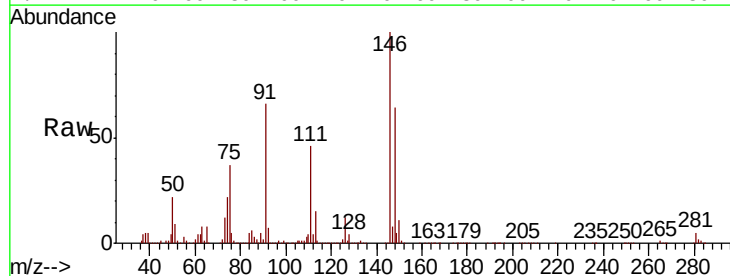
Tgt Ion: 91 Resp: 1562252

Ion Ratio Lower Upper

91 100

126 18.1 14.3 21.5

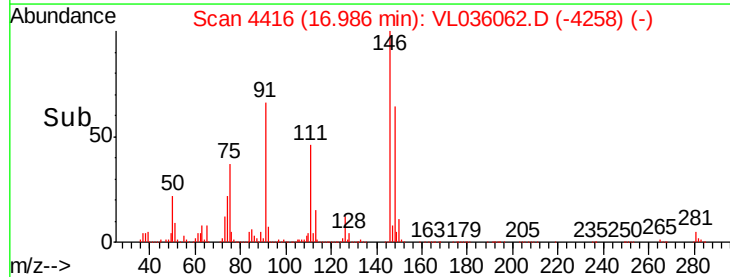
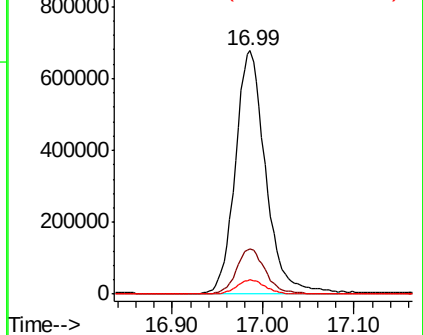
128 5.7 4.7 7.1

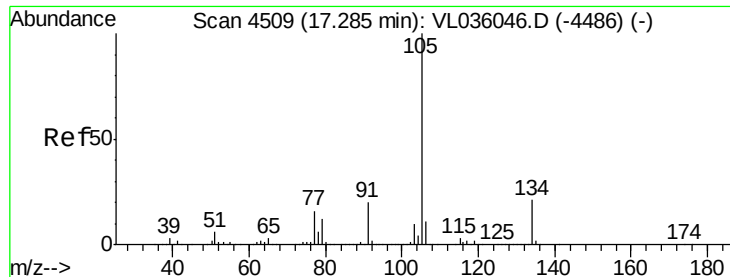


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 8.340 ppbv

RT: 17.29 min Scan# 4511

Delta R.T. 0.01 min

Lab File: VL036062.D

Acq: 3 Dec 2020 22:27

Instrument :

MSVOA_L

ClientSampleId :

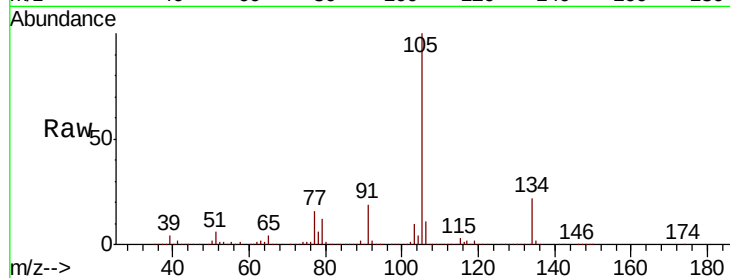
VSTDCCC010EC

Tot Ion:105 Resp: 7342701

Ion Ratio Lower Upper

105 100

134 19.9 15.8 23.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

17.29

2500000

2000000

1500000

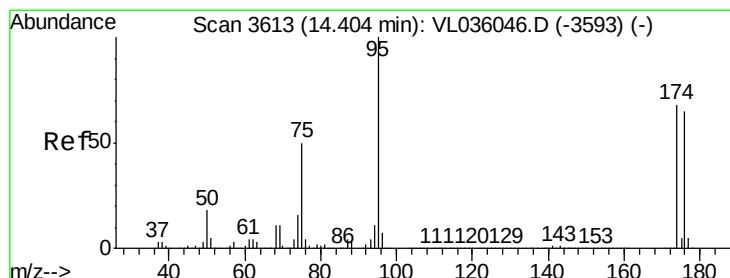
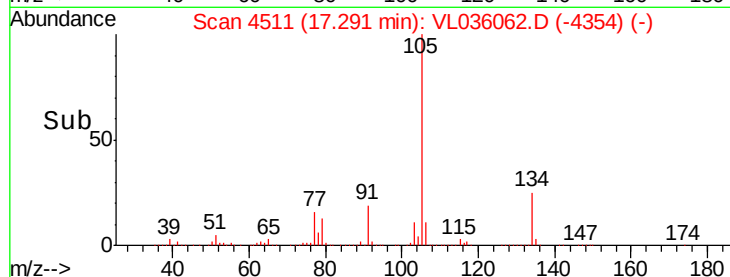
1000000

500000

0

Time-->

17.20 17.30 17.40



#68

1-Bromo-4-Fluorobenzene

Concen: 7.967 ppbv

RT: 14.41 min Scan# 3615

Delta R.T. 0.01 min

Lab File: VL036062.D

Acq: 3 Dec 2020 22:27

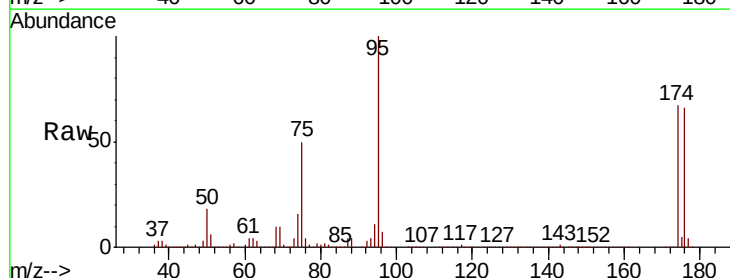
Tgt Ion: 95 Resp: 3411465

Ion Ratio Lower Upper

95 100

174 68.0 54.2 81.2

175 4.8 3.8 5.8



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

2000000

1500000

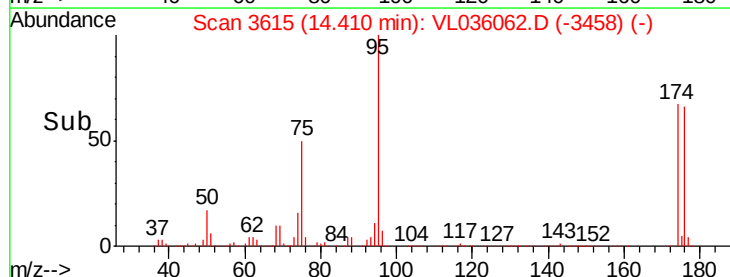
1000000

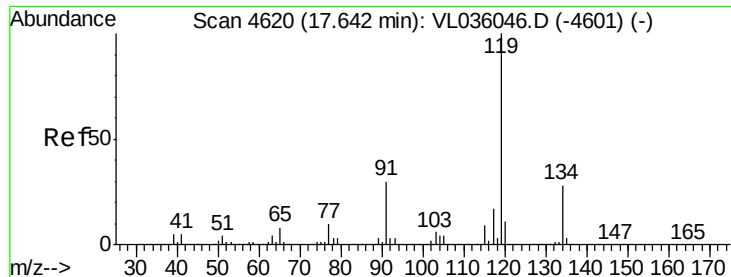
500000

0

Time-->

14.30 14.40 14.50

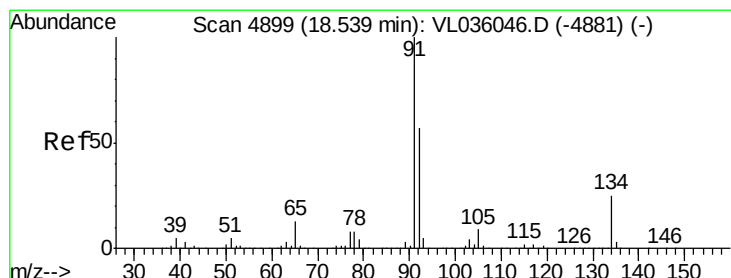
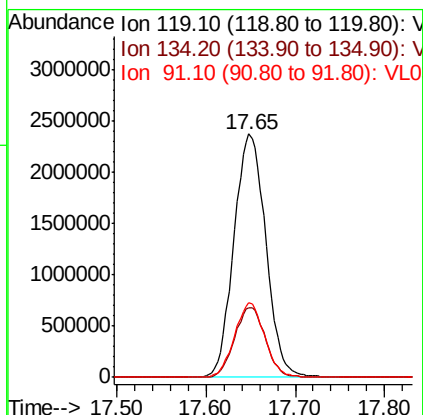
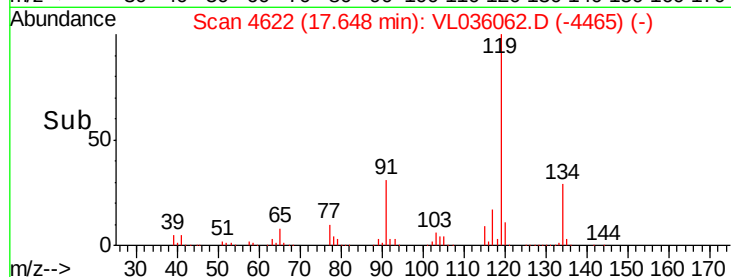
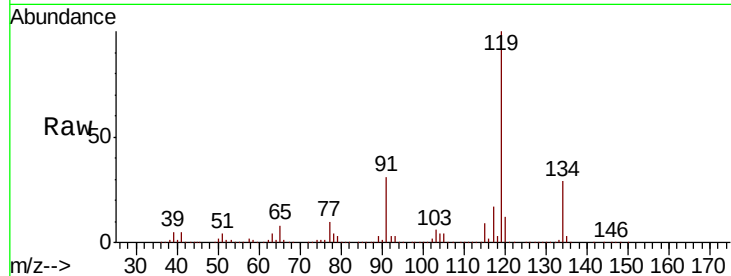




#69
 p-Isopropyltoluene
 Concen: 8.920 ppbv
 RT: 17.65 min Scan# 4622
 Delta R.T. 0.01 min
 Lab File: VL036062.D
 Acq: 3 Dec 2020 22:27

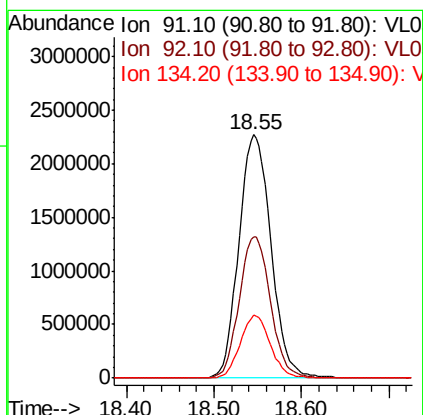
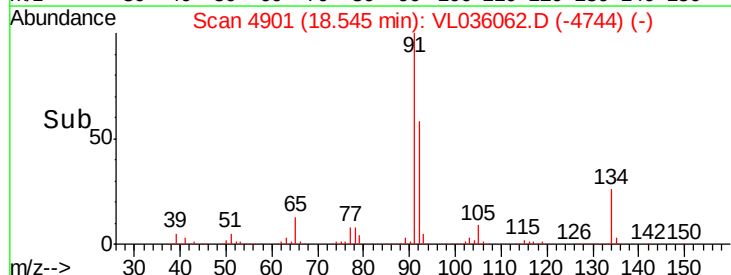
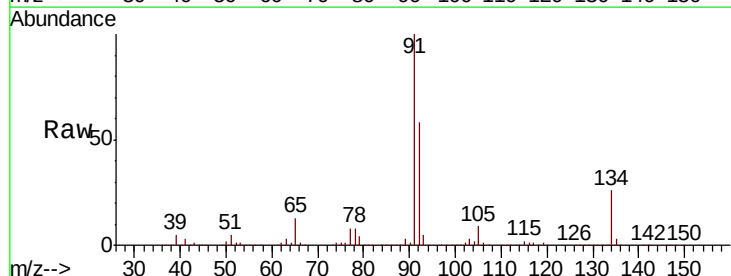
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

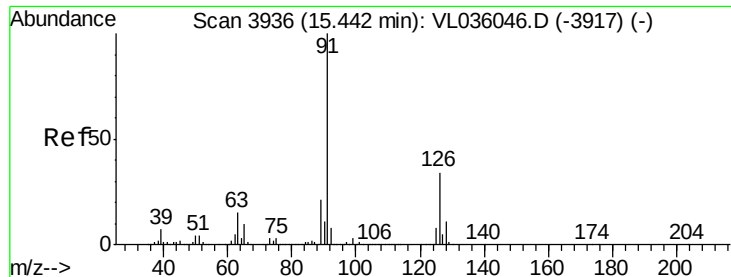
Tot Ion:119 Resp: 5886083
 Ion Ratio Lower Upper
 119 100
 134 27.9 22.2 33.2
 91 28.9 23.2 34.8



#70
 n-Butylbenzene
 Concen: 8.782 ppbv
 RT: 18.55 min Scan# 4901
 Delta R.T. 0.01 min
 Lab File: VL036062.D
 Acq: 3 Dec 2020 22:27

Tgt Ion: 91 Resp: 5781986
 Ion Ratio Lower Upper
 91 100
 92 56.8 45.2 67.8
 134 24.4 19.2 28.8





#71

2-Chlorotoluene

Concen: 8.838 ppbv

RT: 15.45 min Scan# 3937

Delta R.T. 0.00 min

Lab File: VL036062.D

Acq: 3 Dec 2020 22:27

Instrument :

MSVOA_L

ClientSampleId :

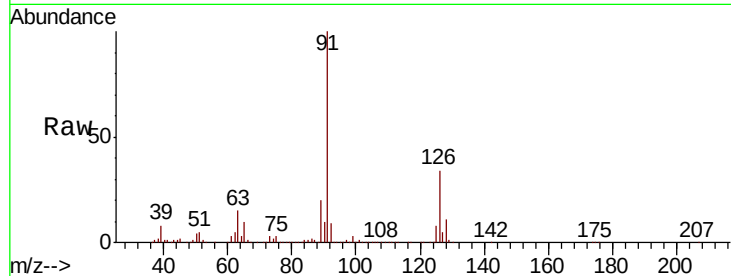
VSTDCCC010EC

Tot Ion: 91 Resp: 4678125

Ion Ratio Lower Upper

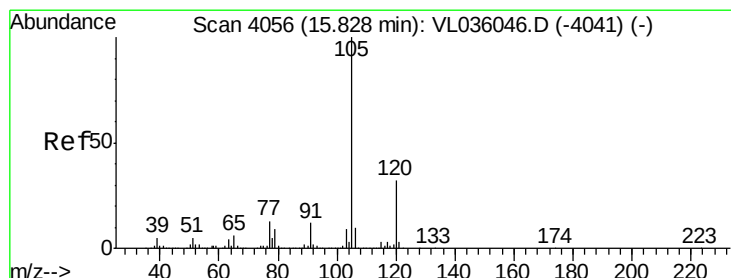
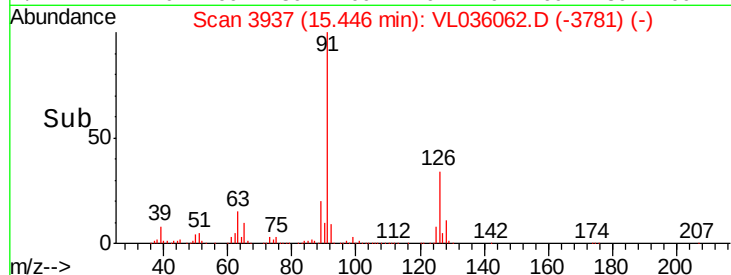
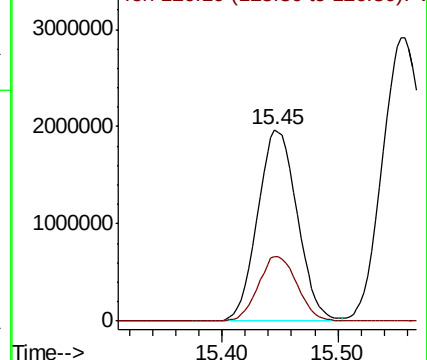
91 100

126 33.5 13.2 53.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 9.187 ppbv

RT: 15.83 min Scan# 4058

Delta R.T. 0.01 min

Lab File: VL036062.D

Acq: 3 Dec 2020 22:27

Tgt Ion:105 Resp: 4888520

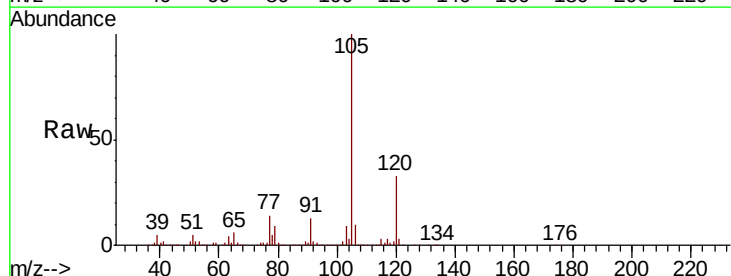
Ion Ratio Lower Upper

105 100

120 31.9 25.3 37.9

91 12.5 10.1 15.1

77 13.5 10.5 15.7

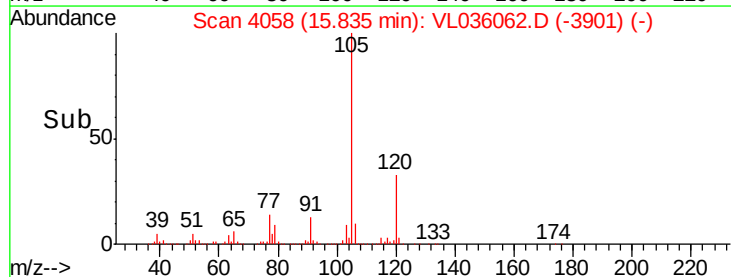
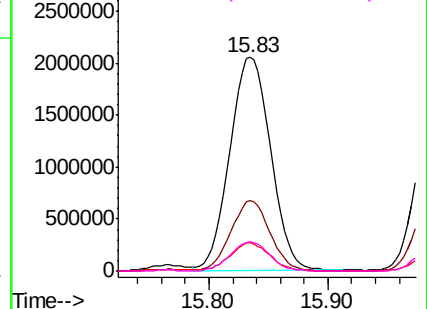


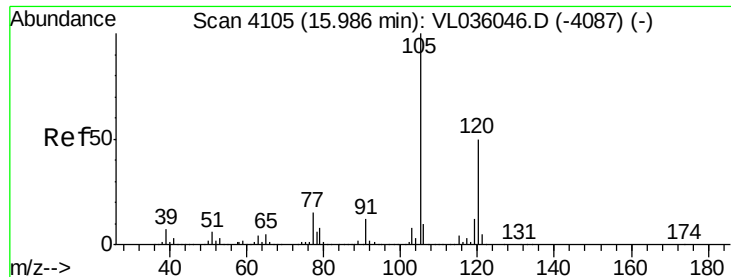
Abundance Ion 105.10 (104.80 to 105.80): V

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: 8.873 ppbv

RT: 15.99 min Scan# 4107

Delta R.T. 0.01 min

Lab File: VL036062.D

Acq: 3 Dec 2020 22:27

Instrument :

MSVOA_L

ClientSampleId :

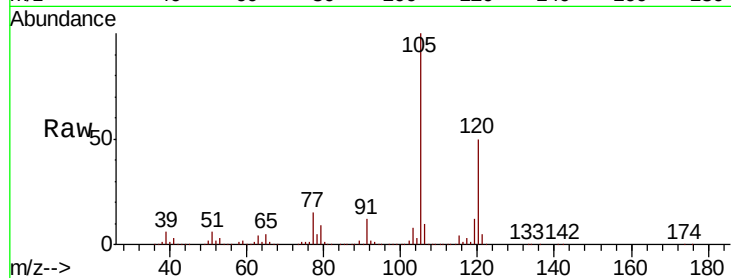
VSTDCCC010EC

Tot Ion:105 Resp: 4439176

Ion Ratio Lower Upper

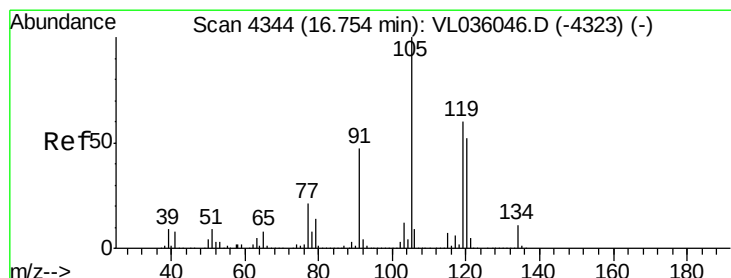
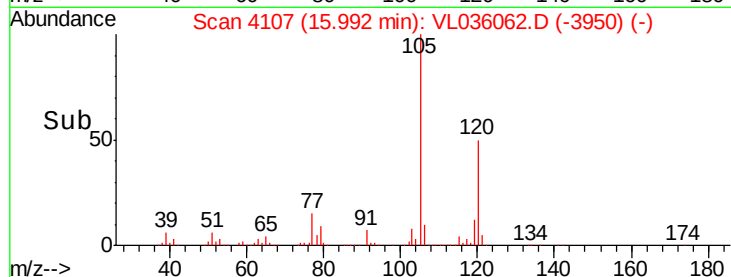
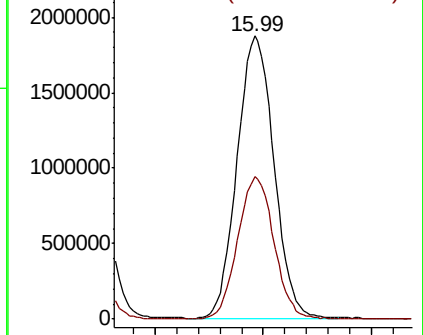
105 100

120 50.3 39.8 59.8



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: 8.308 ppbv

RT: 16.76 min Scan# 4345

Delta R.T. 0.00 min

Lab File: VL036062.D

Acq: 3 Dec 2020 22:27

Tgt Ion:105 Resp: 4627812

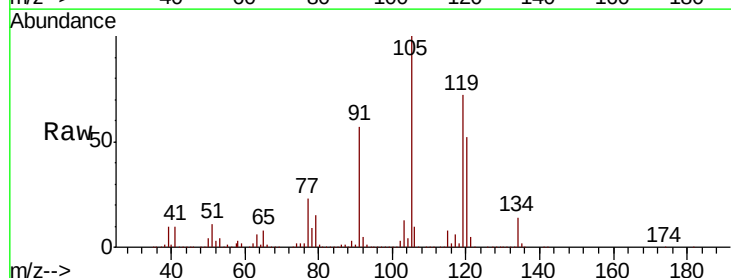
Ion Ratio Lower Upper

105 100

120 52.1 41.5 62.3

91 56.7 38.1 57.1

77 22.6 17.0 25.4

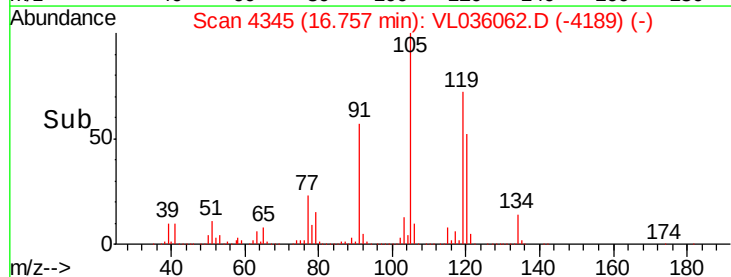
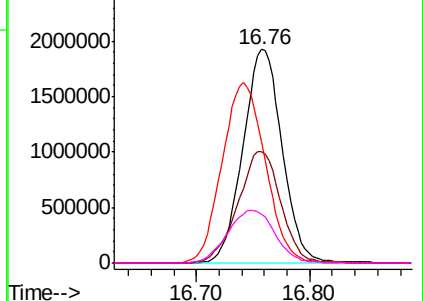


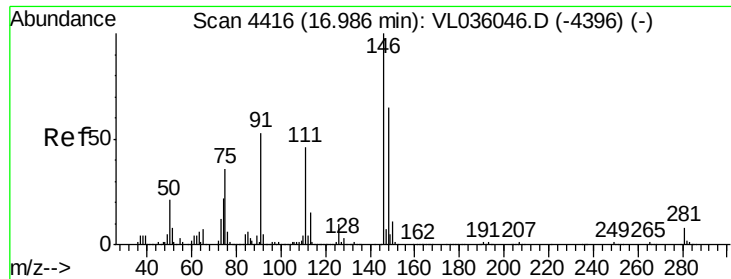
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

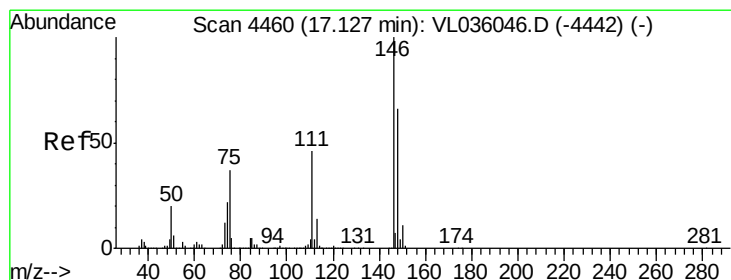
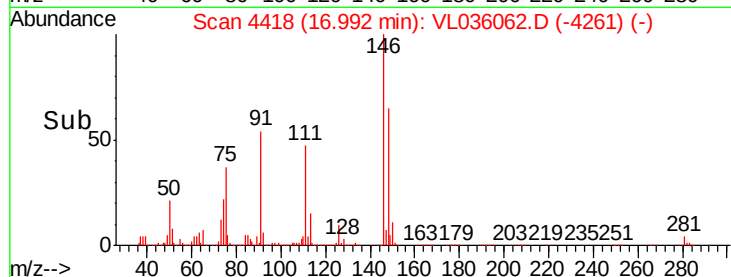
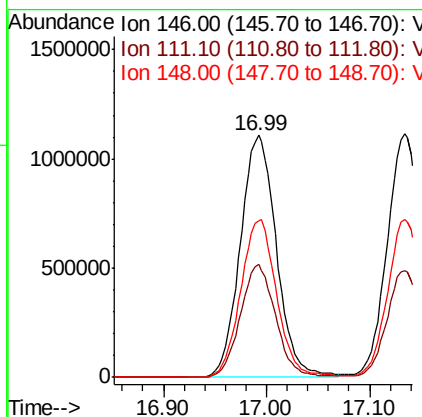
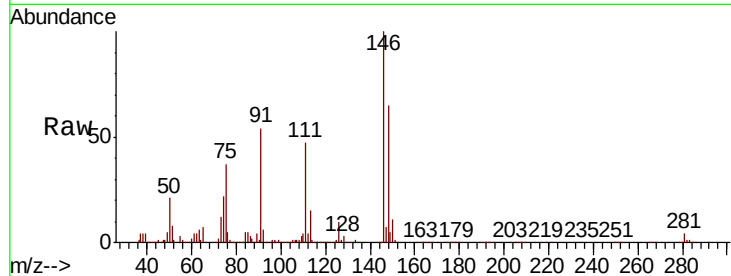




#75
 1,3-Dichlorobenzene
 Concen: 8.086 ppbv
 RT: 16.99 min Scan# 4418
 Delta R.T. 0.01 min
 Lab File: VL036062.D
 Acq: 3 Dec 2020 22:27

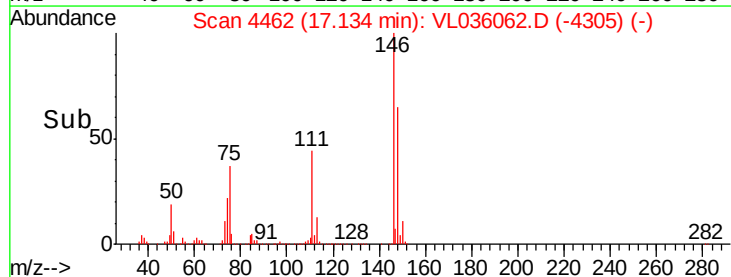
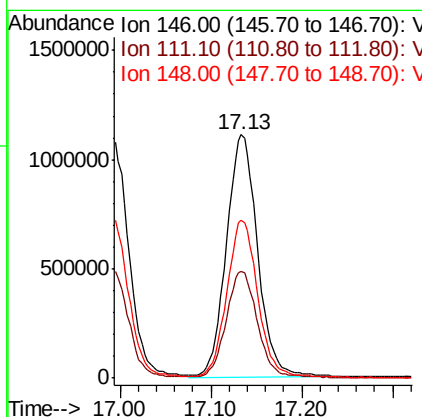
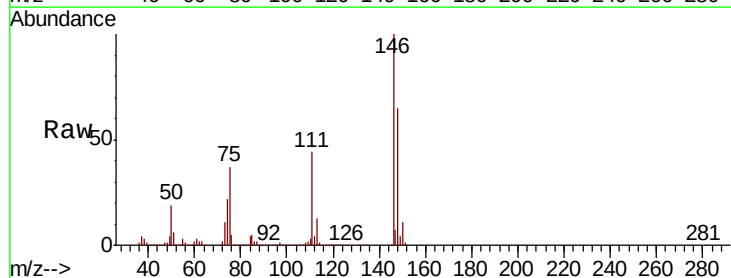
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

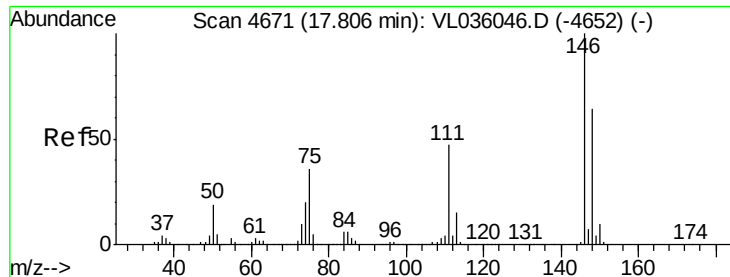
Tot Ion:146 Resp: 2697580
 Ion Ratio Lower Upper
 146 100
 111 45.8 22.9 68.7
 148 65.1 32.4 97.0



#76
 1,4-Dichlorobenzene
 Concen: 8.354 ppbv
 RT: 17.13 min Scan# 4462
 Delta R.T. 0.01 min
 Lab File: VL036062.D
 Acq: 3 Dec 2020 22:27

Tgt Ion:146 Resp: 2633263
 Ion Ratio Lower Upper
 146 100
 111 44.3 22.4 67.2
 148 65.1 33.0 98.9

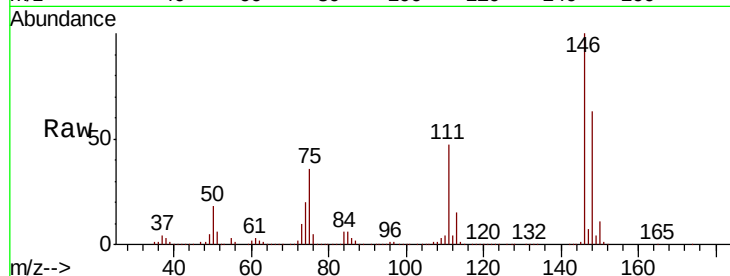




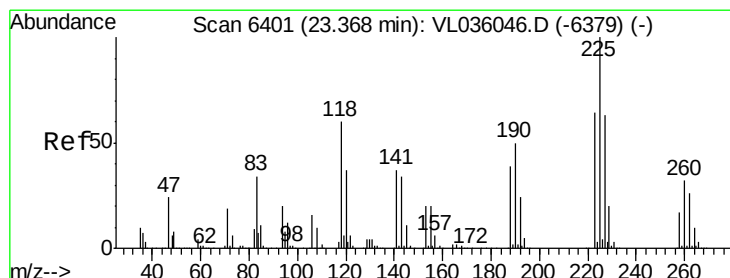
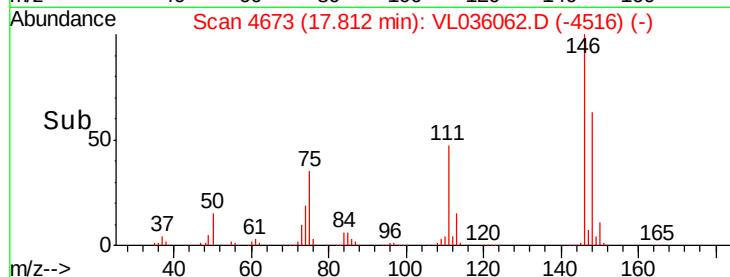
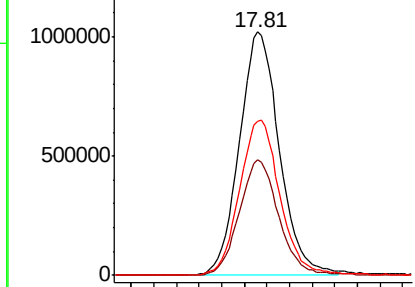
#77
 1,2-Dichlorobenzene
 Concen: 8.097 ppbv
 RT: 17.81 min Scan# 4673
 Delta R.T. 0.01 min
 Lab File: VL036062.D
 Acq: 3 Dec 2020 22:27

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:146 Resp: 2492467
 Ion Ratio Lower Upper
 146 100
 111 47.3 23.5 70.6
 148 65.0 32.5 97.5

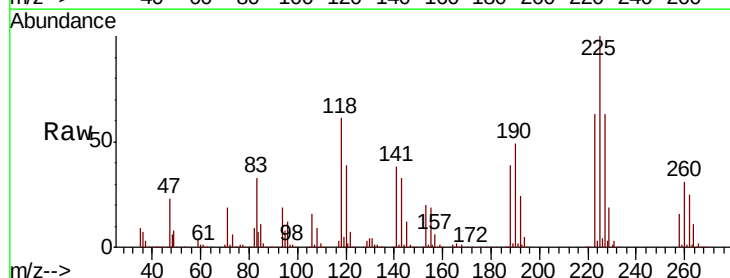


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.10 (110.80 to 111.80): V
 Ion 148.00 (147.70 to 148.70): V

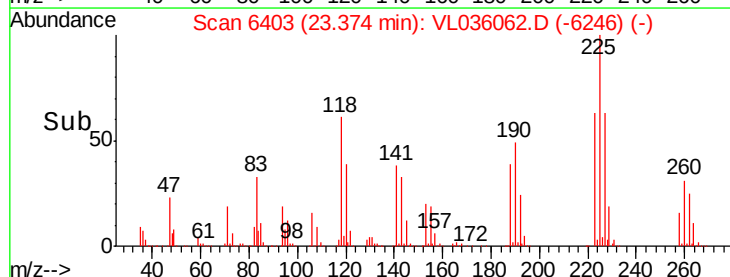
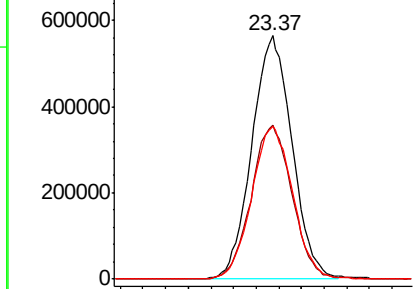


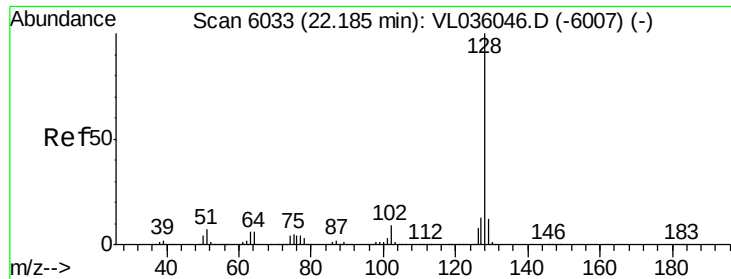
#78
 Hexachloro-1,3-Butadiene
 Concen: 8.202 ppbv
 RT: 23.37 min Scan# 6403
 Delta R.T. 0.01 min
 Lab File: VL036062.D
 Acq: 3 Dec 2020 22:27

Tgt Ion:225 Resp: 1392632
 Ion Ratio Lower Upper
 225 100
 223 64.6 51.0 76.4
 227 64.3 51.2 76.8



Abundance Ion 224.90 (224.60 to 225.60): V
 Ion 222.90 (222.60 to 223.60): V
 Ion 226.90 (226.60 to 227.60): V

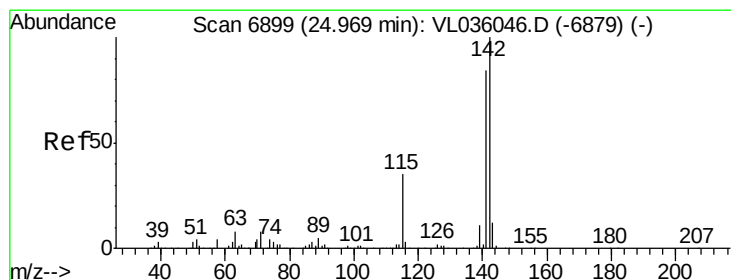
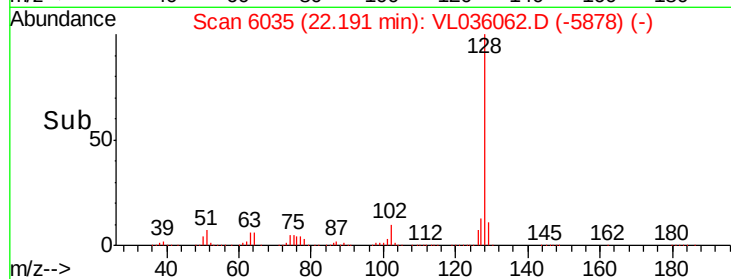
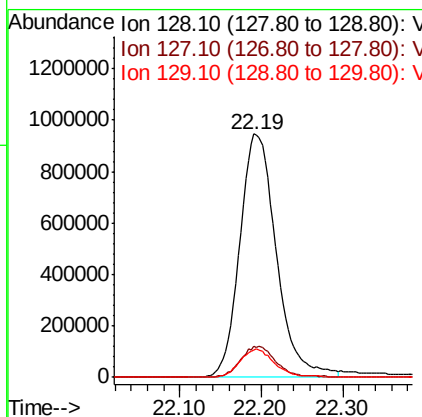
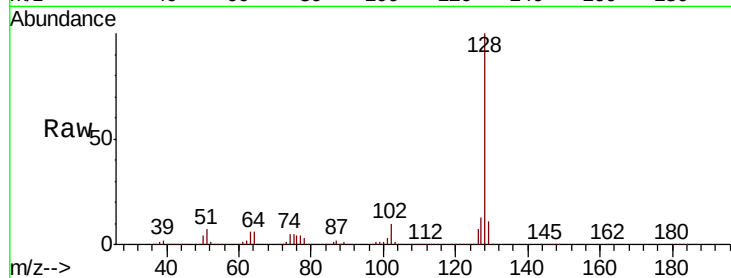




#79
Naphthalene
Concen: 11.024 ppbv
RT: 22.19 min Scan# 6035
Delta R.T. 0.01 min
Lab File: VL036062.D
Acq: 3 Dec 2020 22:27

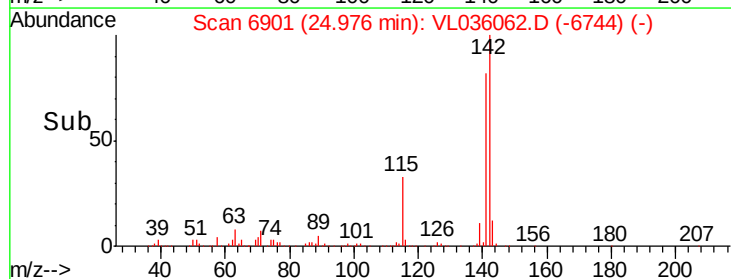
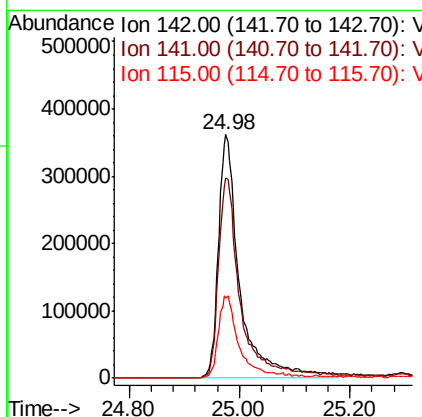
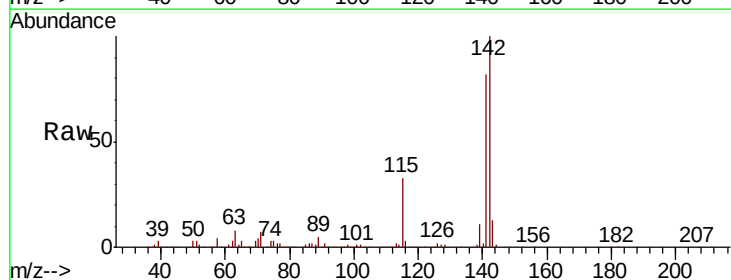
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

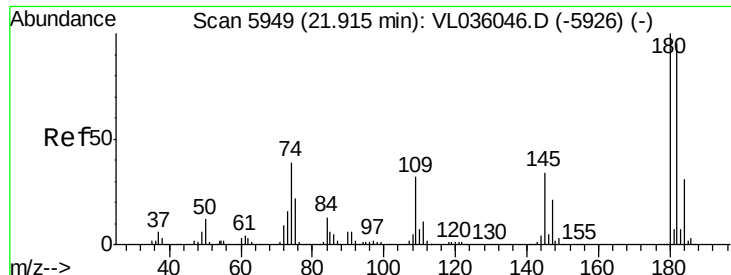
Tot Ion:128 Resp: 2931704
Ion Ratio Lower Upper
128 100
127 13.0 10.3 15.5
129 11.2 9.3 13.9



#80
Naphthalene, 2-methyl-
Concen: 17.486 ppbv
RT: 24.98 min Scan# 6901
Delta R.T. 0.01 min
Lab File: VL036062.D
Acq: 3 Dec 2020 22:27

Tgt Ion:142 Resp: 973658
Ion Ratio Lower Upper
142 100
141 84.8 68.6 103.0
115 33.6 27.9 41.9





#81
 1,2,4-Trichlorobenzene
 Concen: 9.494 ppbv
 RT: 21.92 min Scan# 5951
 Delta R.T. 0.01 min
 Lab File: VL036062.D
 Acq: 3 Dec 2020 22:27

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:180 Resp: 1706982
 Ion Ratio Lower Upper
 180 100
 182 99.1 78.5 117.7
 184 31.1 25.0 37.6

