

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL092320\
 Data File : VL035713.D
 Acq On : 23 Sep 2020 10:25
 Operator : SY/AP
 Sample : VL0923ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0923ABS01

Quant Time: Sep 24 08:24:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL092320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 23 07:38:05 2020
 QLast Update : Wed Sep 23 07:38:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1203372	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	4617624	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	5781016	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	3510012	8.10	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	81.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.04	85	1890987	9.577 ppbv	99
3) Chlorodifluoromethane	2.99	51	1239688	9.576 ppbv	99
4) Chloromethane	3.14	50	670386	9.640 ppbv	97
5) Vinyl Chloride	3.26	62	801999	9.750 ppbv	100
6) Bromomethane	3.47	94	670503	9.643 ppbv	99
7) Chloroethane	3.56	64	293478	9.728 ppbv	99
8) Dichlorotetrafluoroethane	3.19	85	2231956	9.320 ppbv	100
9) Propene	3.01	41	475284	10.111 ppbv	100
10) Heptane	8.14	43	1394843	10.644 ppbv	99
11) Trichlorofluoromethane	3.95	101	2629166	9.332 ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1984472	9.449 ppbv	100
13) Ethanol	3.61	45	108210	9.335 ppbv	97
14) Bromoethene	3.74	108	880157	9.949 ppbv	100
15) Acetone	3.85	43	1065714	8.230 ppbv	100
16) 1,3-Butadiene	3.32	39	498422	10.522 ppbv	99
17) tert-Butyl alcohol	4.30	59	1560425	11.063 ppbv	100
18) 1,1-Dichloroethene	4.29	96	918755	9.992 ppbv	99
19) Isopropyl Alcohol	3.97	45	775021	11.003 ppbv	99
20) Methylene Chloride	4.35	84	759032	7.980 ppbv	97
21) Allyl Chloride	4.41	41	652732	10.400 ppbv	99
22) trans-1,2-Dichloroethene	4.89	96	965639	9.940 ppbv	98
23) Vinyl Acetate	5.08	43	1711560	10.792 ppbv	100
24) 1,1-Dichloroethane	5.02	63	1665410	9.641 ppbv	100
25) Ethyl Acetate	5.68	43	2264728	9.720 ppbv	100
26) Hexane	5.70	57	1268340	9.934 ppbv	100
27) Carbon Disulfide	4.55	76	2031614	10.676 ppbv	100
28) Methyl tert-Butyl Ether	5.04	73	2170782	10.726 ppbv	99
29) Chloroform	5.76	83	2496391	9.628 ppbv	100
30) Cyclohexane	7.14	84	1376508	10.927 ppbv	100
31) cis-1,2-Dichloroethene	5.56	61	1336452	10.843 ppbv	97
32) 1,1,1-Trichloroethane	6.52	97	2415047	10.566 ppbv	100
34) 2-Butanone	5.25	43	1545852	10.121 ppbv	100
35) Carbon Tetrachloride	7.03	117	2490155	10.343 ppbv	99
36) Benzene	6.91	78	3142351	10.444 ppbv	100
37) 1,2-Dichloroethane	6.32	62	1543203	9.841 ppbv	100
38) Trichloroethene	7.85	130	1576141	10.501 ppbv	98
39) 1,2-Dichloropropane	7.63	63	1096031	10.050 ppbv	99
40) 1,4-Dioxane	7.84	88	532235	10.671 ppbv	98
41) Tetrahydrofuran	6.06	42	872004	11.333 ppbv	100
42) Bromodichloromethane	7.81	83	2597149	10.281 ppbv	100
43) Methyl Methacrylate	8.03	69	1332472	11.135 ppbv	99

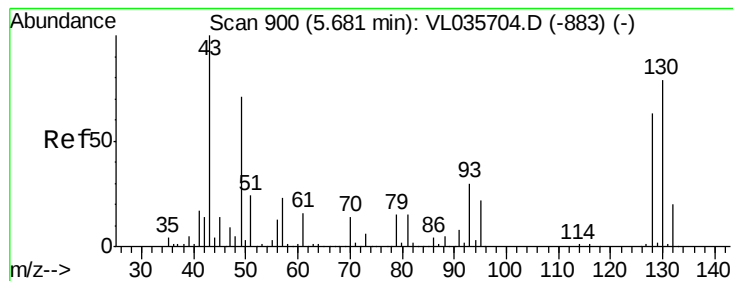
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL092320\
 Data File : VL035713.D
 Acq On : 23 Sep 2020 10:25
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	4286333	9.928	ppbv	100
45) t-1,3-Dichloropropene	9.30	75	1479244	12.244	ppbv	97
46) cis-1,3-Dichloropropene	8.72	75	1782689	11.970	ppbv	99
47) 1,1,2-Trichloroethane	9.49	97	1532196	9.809	ppbv	99
48) Dibromochloromethane	10.33	129	2559002	10.764	ppbv	100
49) Bromoform	13.07	173	2267145	11.239	ppbv	100
50) 4-Methyl-2-Pentanone	8.76	43	2310466	10.357	ppbv	100
51) 2-Hexanone	10.15	43	1930614	10.742	ppbv	100
52) Tetrachloroethene	11.25	164	1463766	10.116	ppbv	100
53) Toluene	9.83	91	3936546	11.095	ppbv	100
54) 1,2-Dibromoethane	10.63	107	2386872	10.204	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.15	131	1984057	8.185	ppbv	96
57) Chlorobenzene	12.17	112	3312853	7.587	ppbv	99
58) Ethyl Benzene	12.74	91	5097421	8.785	ppbv	98
59) m/p-Xylene	13.02	91	4943254	9.755	ppbv #	48
60) o-Xylene	13.72	91	4273688	8.338	ppbv	100
61) Styrene	13.55	104	3333775	9.406	ppbv	100
62) Isopropylbenzene	14.70	105	6407131	8.059	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.70	83	3112173	7.404	ppbv	100
64) n-propylbenzene	15.59	120	1964579	8.443	ppbv	99
65) tert-Butylbenzene	16.78	119	5873818	8.126	ppbv	100
66) Benzyl Chloride	17.02	91	2101894	9.597	ppbv	99
67) sec-Butylbenzene	17.33	105	7869911	7.884	ppbv	100
69) p-Isopropyltoluene	17.69	119	6611181	8.141	ppbv	99
70) n-Butylbenzene	18.58	91	6566713	7.852	ppbv	100
71) 2-Chlorotoluene	15.48	91	4899093	8.448	ppbv	100
72) 4-Ethyltoluene	15.87	105	5214369	8.587	ppbv	100
73) 1,3,5-Trimethylbenzene	16.03	105	4835540	8.427	ppbv	99
74) 1,2,4-Trimethylbenzene	16.80	105	5035381	7.785	ppbv	97
75) 1,3-Dichlorobenzene	17.03	146	3328466	7.537	ppbv	99
76) 1,4-Dichlorobenzene	17.17	146	3311473	7.845	ppbv	99
77) 1,2-Dichlorobenzene	17.85	146	3243065	7.775	ppbv	100
78) Hexachloro-1,3-Butadiene	23.41	225	1738311	7.554	ppbv	100
79) Naphthalene	22.24	128	4843823	7.851	ppbv	99
80) Naphthalene, 2-methyl-	25.00	142	1266152	8.701	ppbv	99
81) 1,2,4-Trichlorobenzene	21.97	180	2513290	7.861	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 899

Delta R.T. -0.00 min

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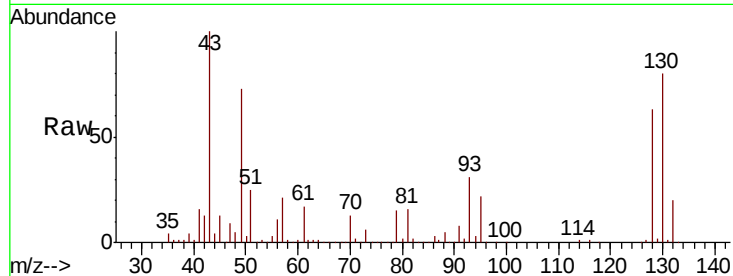
Tot Ion: 49 Resp: 1203372

Ion Ratio Lower Upper

49 100

128 85.1 43.1 129.4

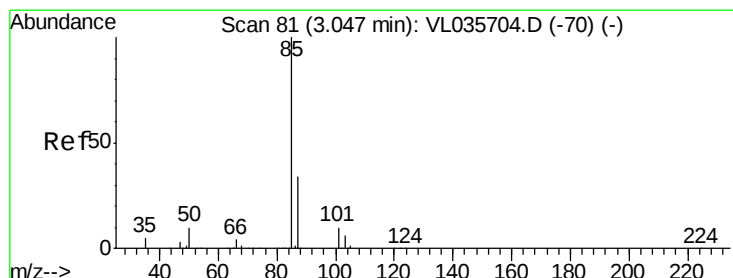
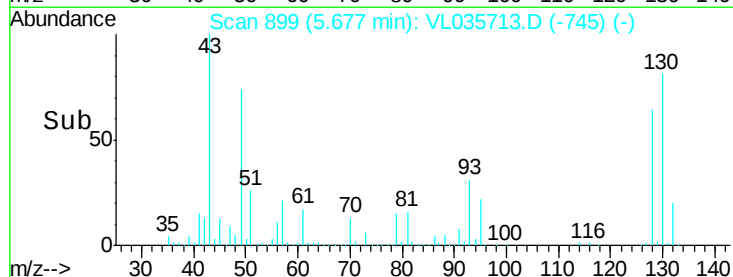
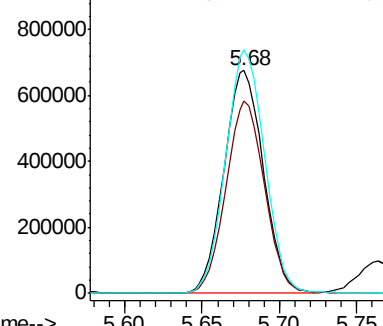
130 108.5 54.9 164.7



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: 9.577 ppbv

RT: 3.04 min Scan# 80

Delta R.T. -0.00 min

Lab File: VL035713.D

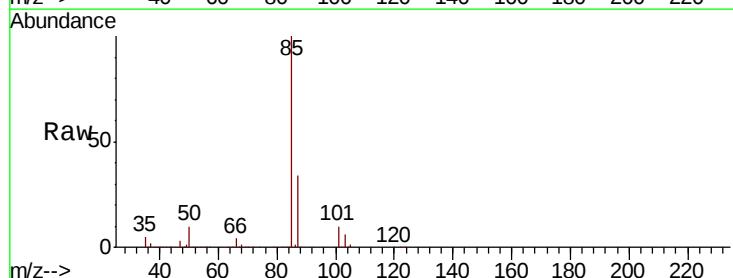
Acq: 23 Sep 2020 10:25

Tgt Ion: 85 Resp: 1890987

Ion Ratio Lower Upper

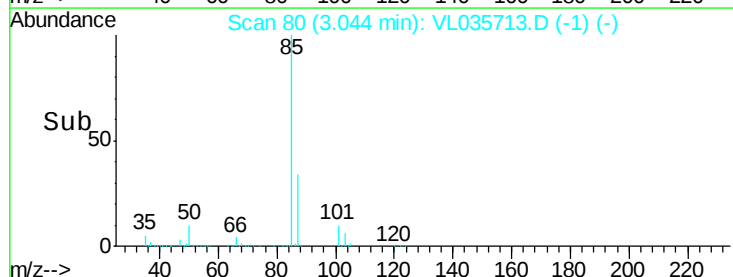
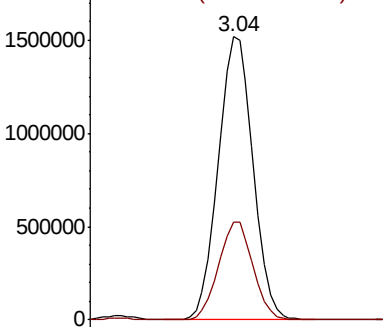
85 100

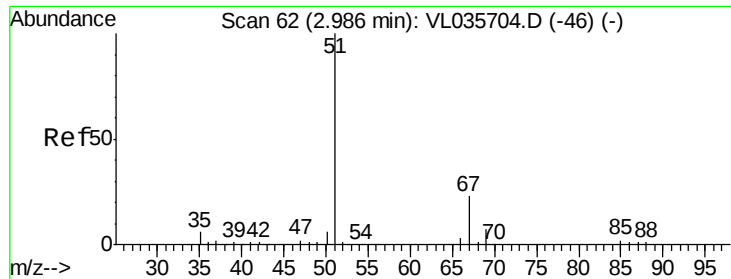
87 34.5 27.3 40.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

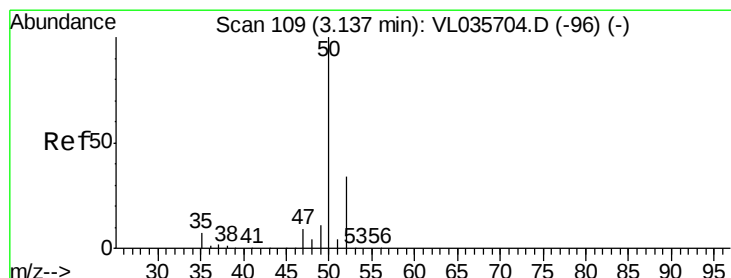
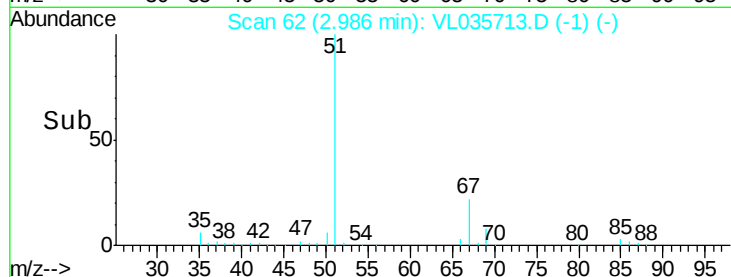
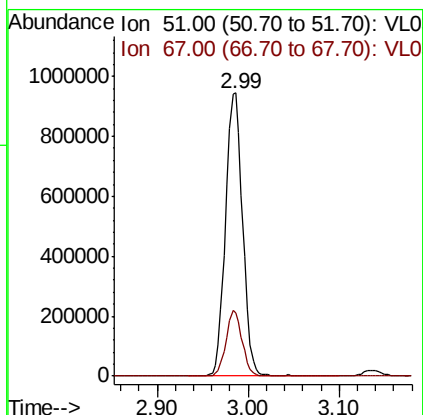
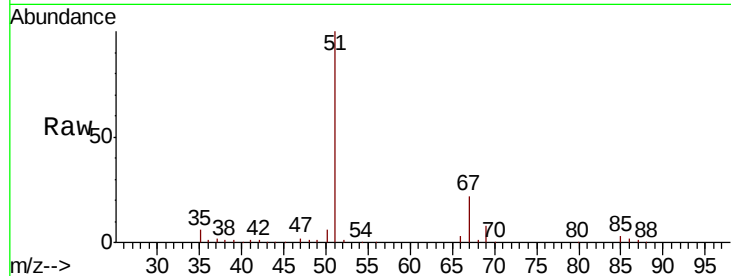




#3
Chlorodifluoromethane
Concen: 9.576 ppbv
RT: 2.99 min Scan# 62
Delta R.T. -0.00 min
Lab File: VL035713.D
Acq: 23 Sep 2020 10:25

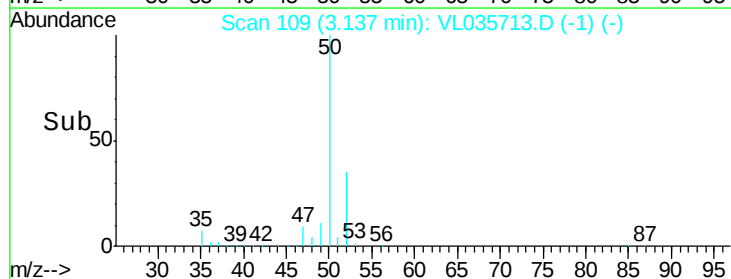
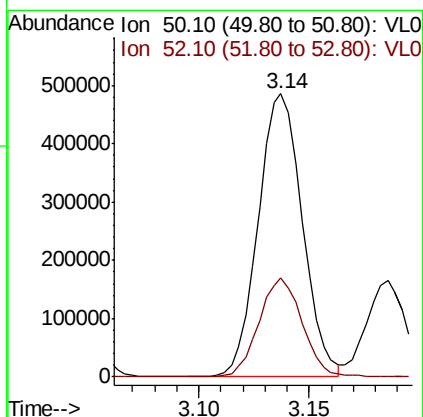
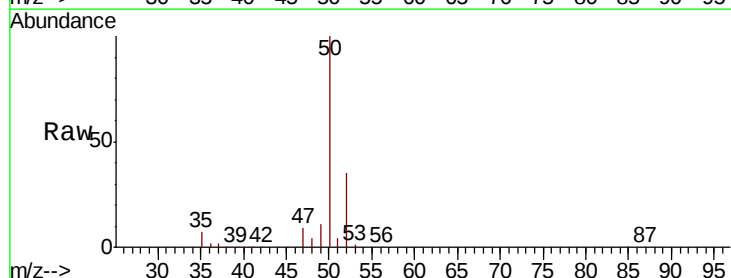
Instrument :
MSVOA_L
ClientSampleId :
VL0923ABS01

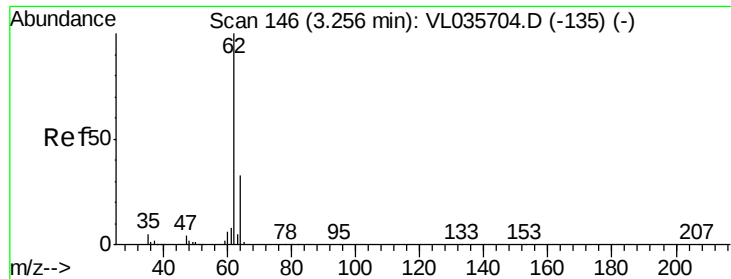
Tot Ion: 51 Resp: 1239688
Ion Ratio Lower Upper
51 100
67 21.7 17.8 26.8



#4
Chloromethane
Concen: 9.640 ppbv
RT: 3.14 min Scan# 109
Delta R.T. -0.00 min
Lab File: VL035713.D
Acq: 23 Sep 2020 10:25

Tgt Ion: 50 Resp: 670386
Ion Ratio Lower Upper
50 100
52 35.2 26.8 40.2





#5

Vinyl Chloride

Concen: 9.750 ppbv

RT: 3.26 min Scan# 146

Delta R.T. -0.00 min

Lab File: VL035713.D

Acq: 23 Sep 2020 10:25

Instrument :

MSVOA_L

ClientSampleId :

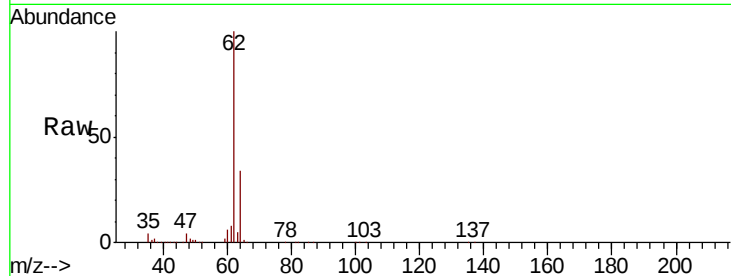
VL0923ABS01

Tot Ion: 62 Resp: 801999

Ion Ratio Lower Upper

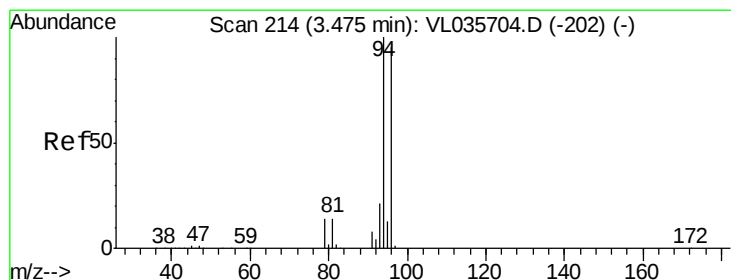
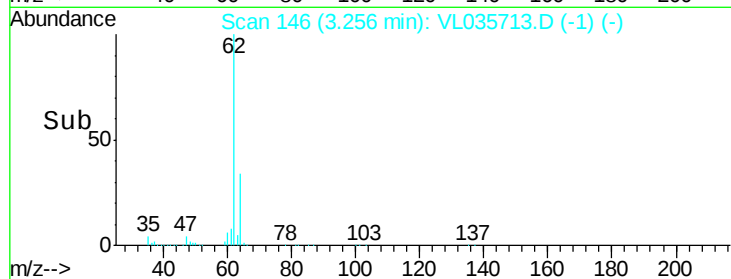
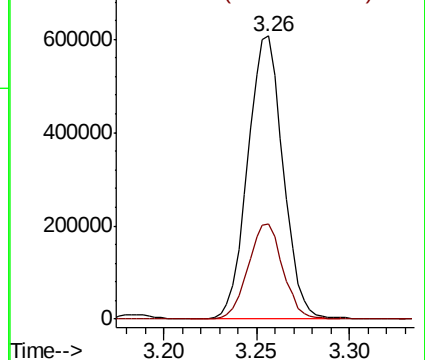
62 100

64 33.7 26.8 40.2



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.643 ppbv

RT: 3.47 min Scan# 213

Delta R.T. -0.00 min

Lab File: VL035713.D

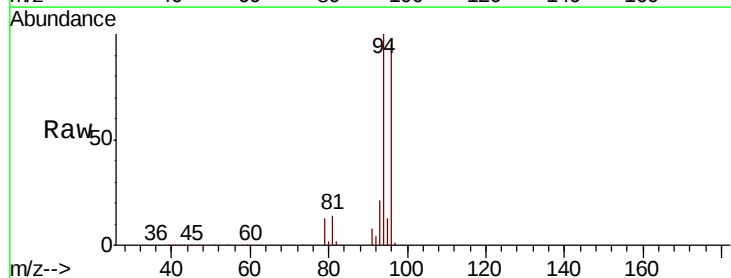
Acq: 23 Sep 2020 10:25

Tgt Ion: 94 Resp: 670503

Ion Ratio Lower Upper

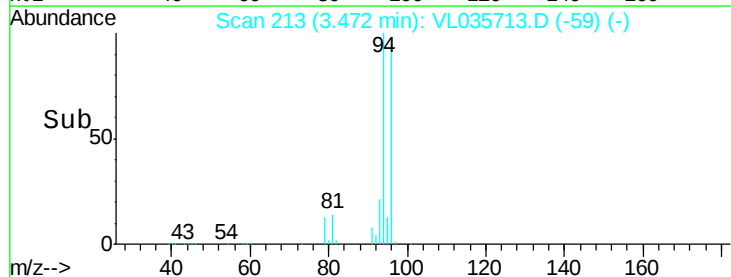
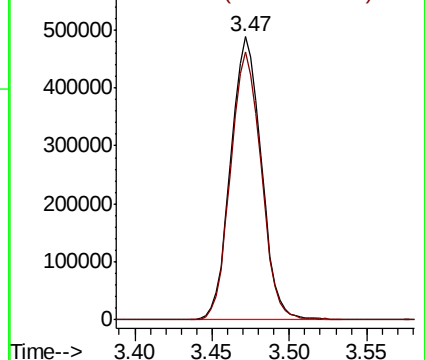
94 100

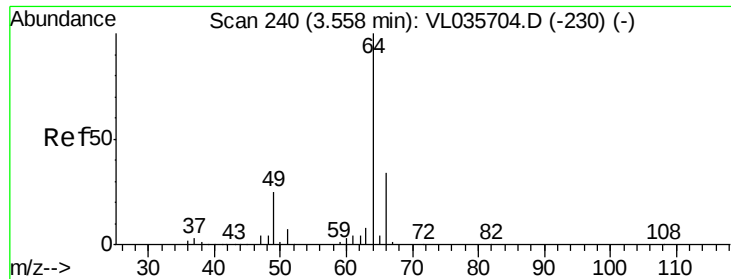
96 94.5 76.3 114.5



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.728 ppbv

RT: 3.56 min Scan# 239

Delta R.T. -0.00 min

Lab File: VL035713.D

Acq: 23 Sep 2020 10:25

Instrument :

MSVOA_L

ClientSampleId :

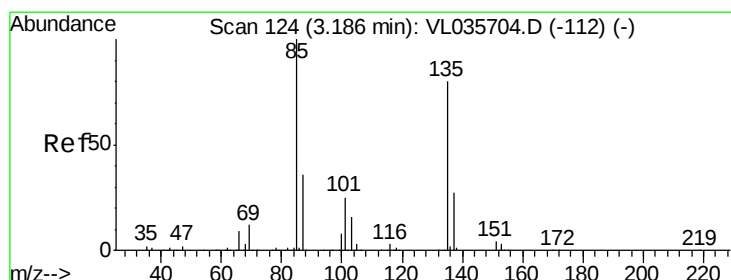
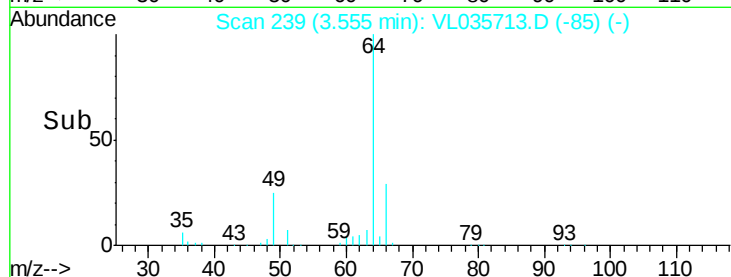
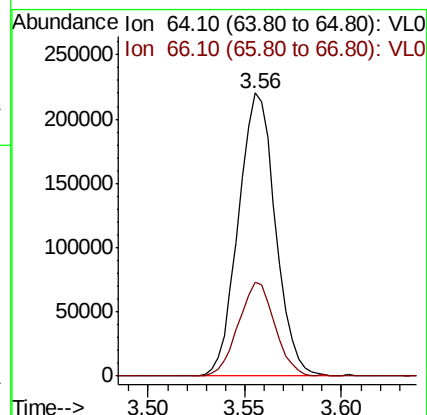
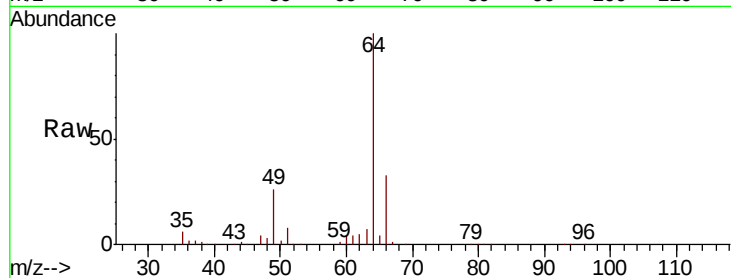
VL0923ABS01

Tot Ion: 64 Resp: 293478

Ion Ratio Lower Upper

64 100

66 33.0 26.9 40.3



#8

Dichlorotetrafluoroethane

Concen: 9.320 ppbv

RT: 3.19 min Scan# 124

Delta R.T. -0.00 min

Lab File: VL035713.D

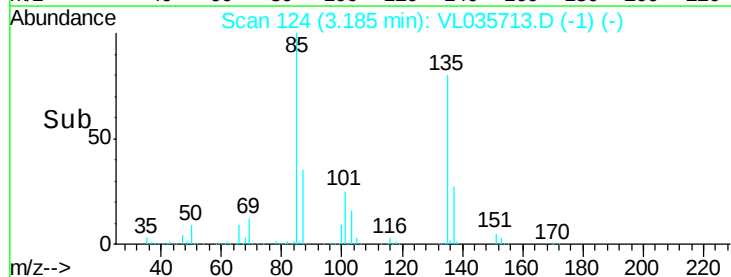
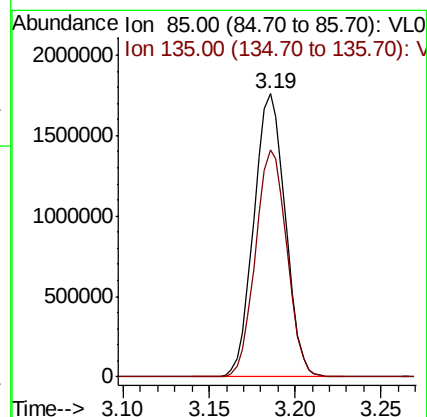
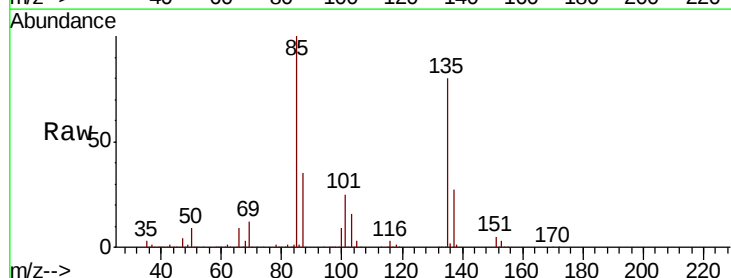
Acq: 23 Sep 2020 10:25

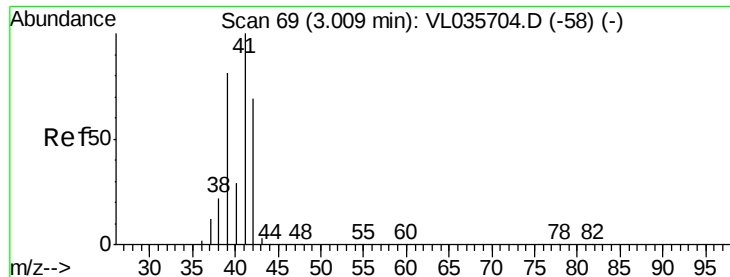
Tgt Ion: 85 Resp: 2231956

Ion Ratio Lower Upper

85 100

135 80.3 64.3 96.5





#9

Propene

Concen: 10.111 ppbv

RT: 3.01 min Scan# 68

Delta R.T. -0.00 min

Lab File: VL035713.D

Acq: 23 Sep 2020 10:25

Instrument :

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ClientSampleId :

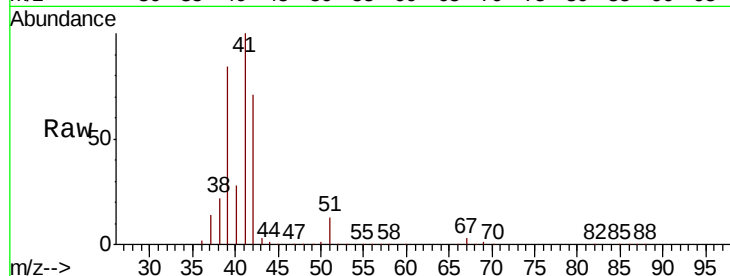
VL0923ABS01

Tot Ion: 41 Resp: 475284

Ion Ratio Lower Upper

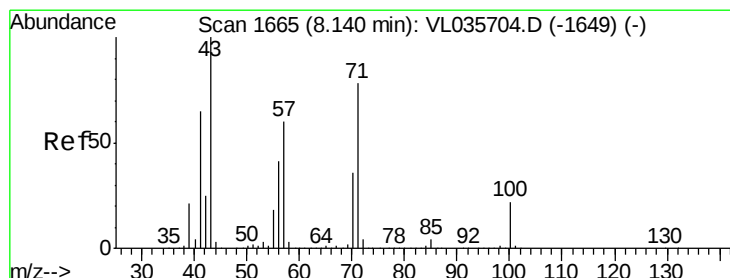
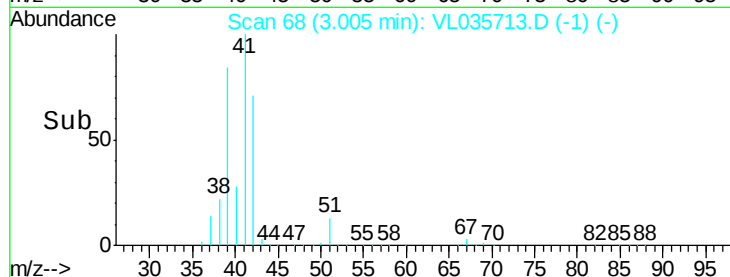
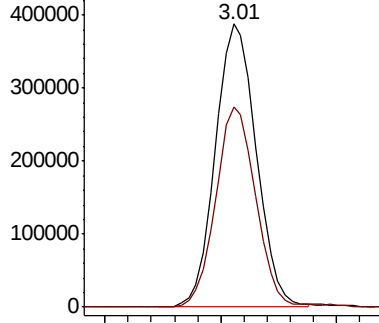
41 100

42 70.0 56.2 84.4



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 10.644 ppbv

RT: 8.14 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VL035713.D

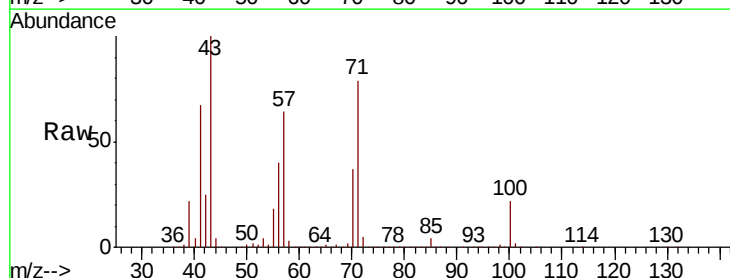
Acq: 23 Sep 2020 10:25

Tgt Ion: 43 Resp: 1394843

Ion Ratio Lower Upper

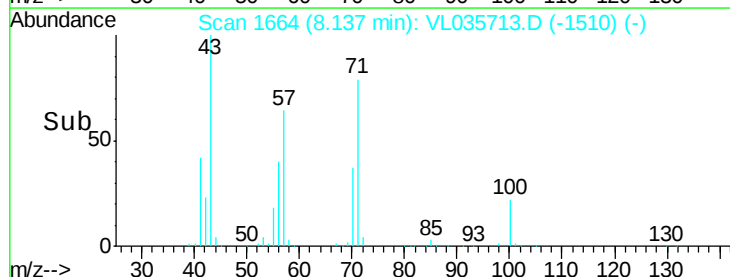
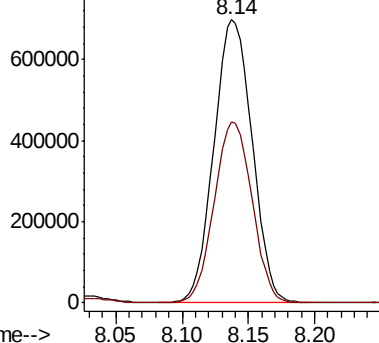
43 100

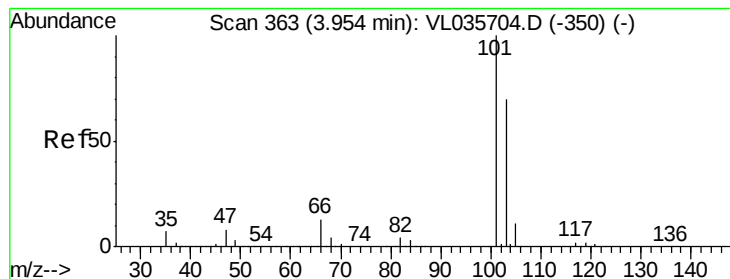
57 63.7 50.4 75.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#11

Trichlorofluoromethane

Concen: 9.332 ppbv

RT: 3.95 min Scan# 362

Delta R.T. -0.00 min

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ClientSampleId :

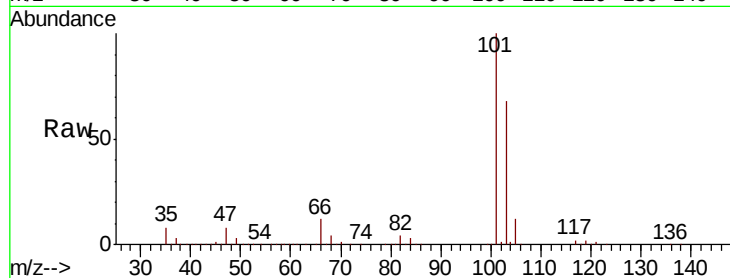
VL0923ABS01

Tot Ion:101 Resp: 2629166

Ion Ratio Lower Upper

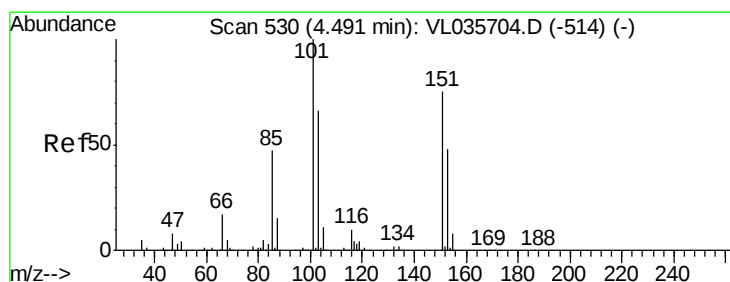
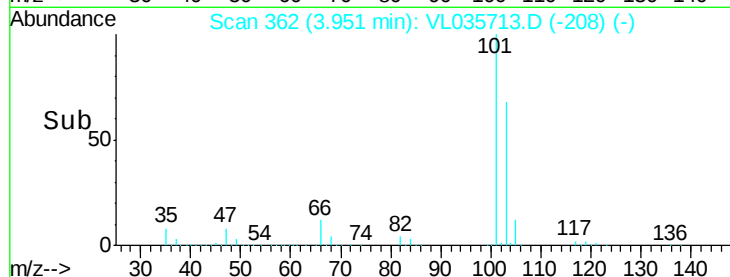
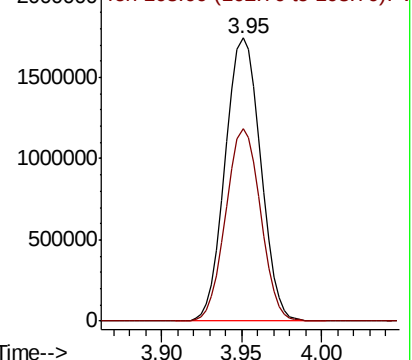
101 100

103 68.1 55.6 83.4



Abundance Ion 101.00 (100.70 to 101.70): V

2000000 Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.449 ppbv

RT: 4.49 min Scan# 529

Delta R.T. -0.00 min

Lab File: VL035713.D

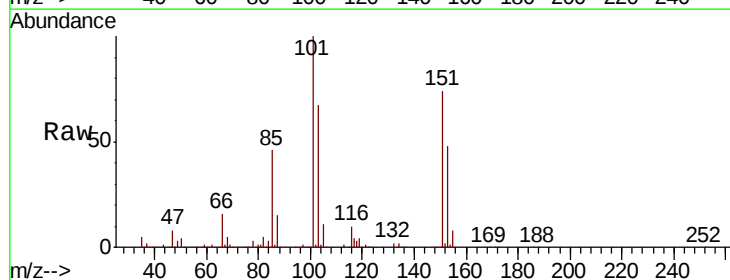
Acq: 23 Sep 2020 10:25

Tgt Ion:101 Resp: 1984472

Ion Ratio Lower Upper

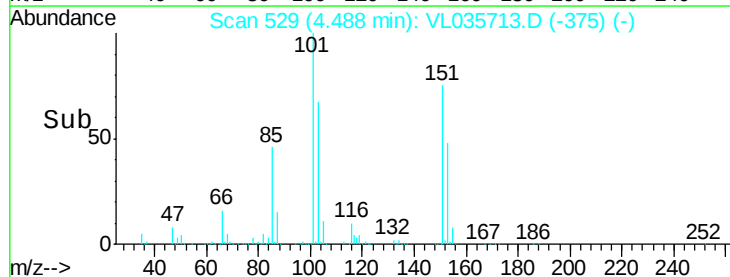
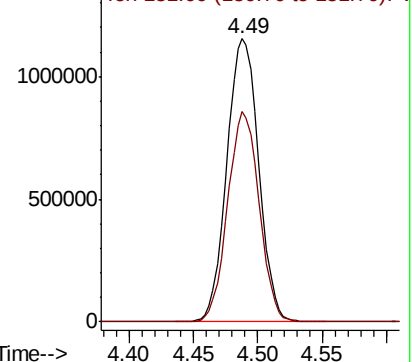
101 100

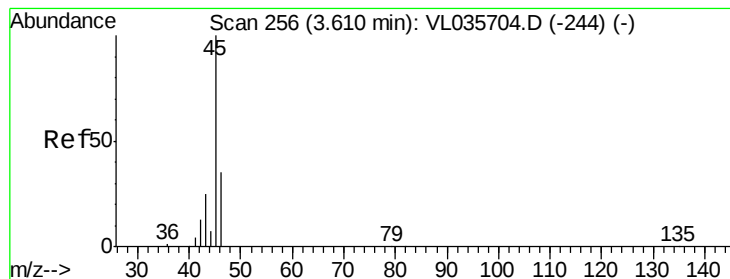
151 73.7 59.1 88.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 9.335 ppbv

RT: 3.61 min Scan# 256

Delta R.T. -0.00 min

Lab File: VL035713.D

Acq: 23 Sep 2020 10:25

Instrument :

MSVOA_L

ClientSampleId :

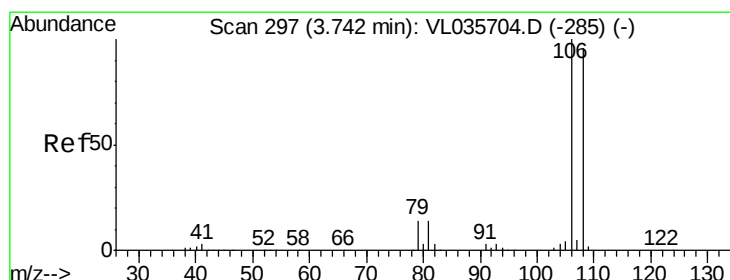
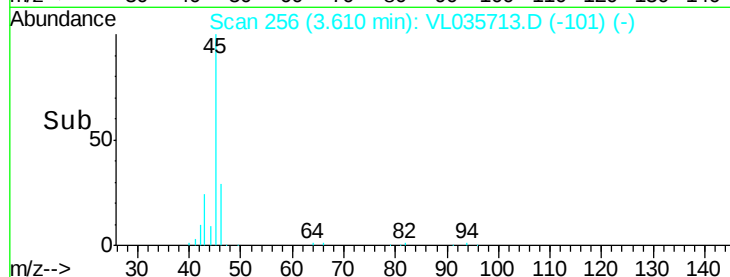
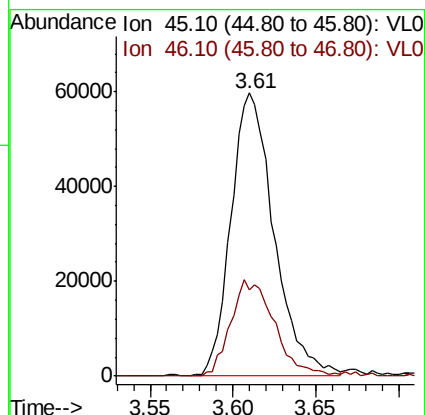
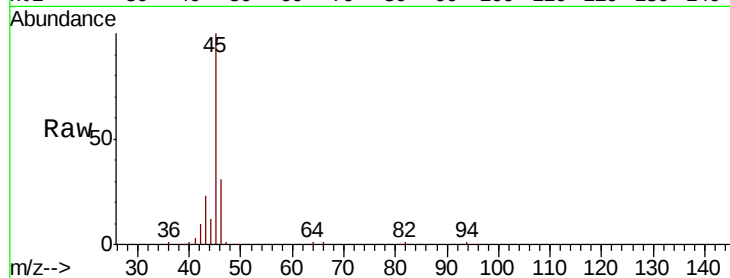
VL0923ABS01

Tot Ion: 45 Resp: 108210

Ion Ratio Lower Upper

45 100

46 35.0 14.7 58.7



#14

Bromoethene

Concen: 9.949 ppbv

RT: 3.74 min Scan# 296

Delta R.T. -0.00 min

Lab File: VL035713.D

Acq: 23 Sep 2020 10:25

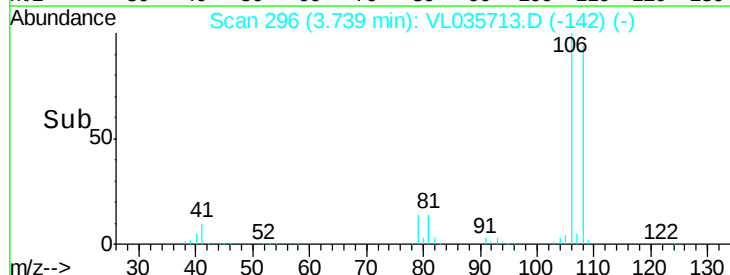
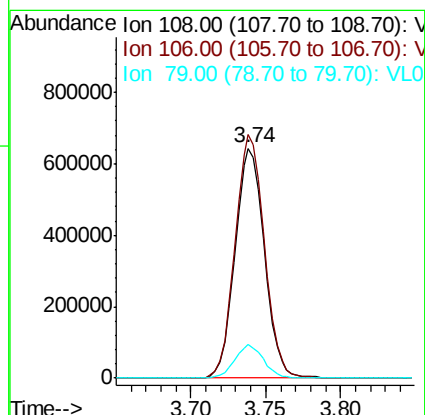
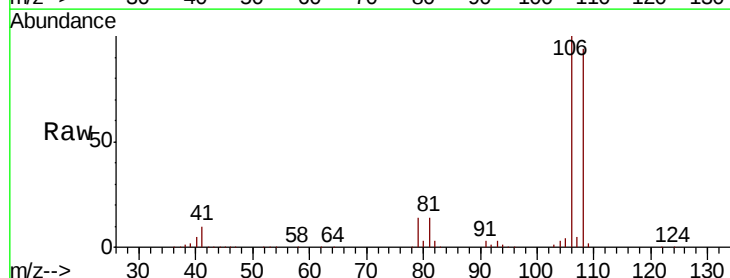
Tgt Ion: 108 Resp: 880157

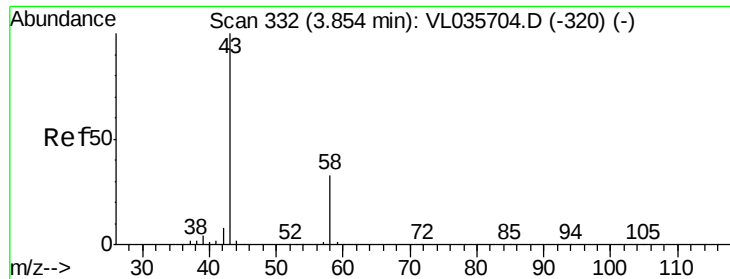
Ion Ratio Lower Upper

108 100

106 106.1 84.6 126.8

79 14.4 11.6 17.4





#15

Acetone

Concen: 8.230 ppbv

RT: 3.85 min Scan# 331

Delta R.T. -0.00 min

Lab File: VL035713.D

Acq: 23 Sep 2020 10:25

Instrument :

MSVOA_L

ClientSampleId :

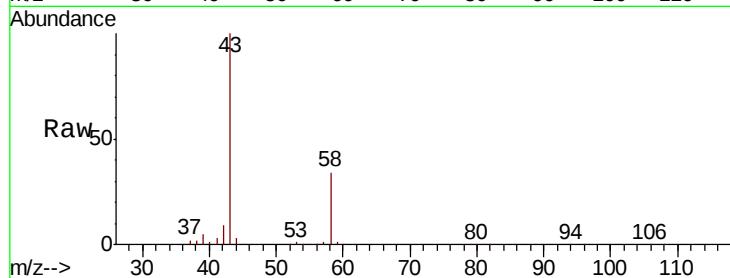
VL0923ABS01

Tot Ion: 43 Resp: 1065714

Ion Ratio Lower Upper

43 100

58 34.2 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

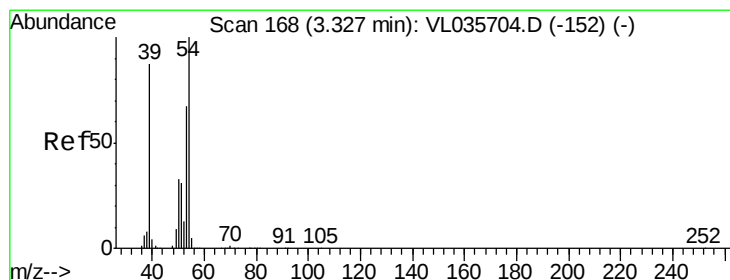
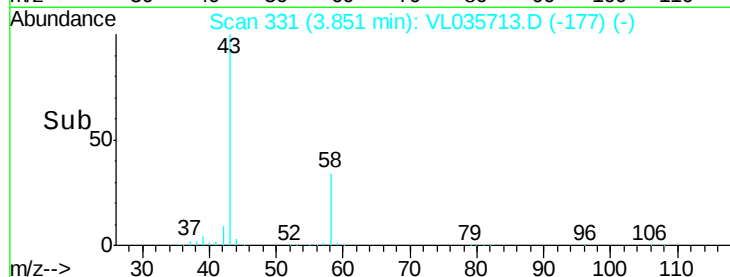
400000

200000

0

3.80 3.85 3.90 3.95

Time-->



#16

1,3-Butadiene

Concen: 10.522 ppbv

RT: 3.32 min Scan# 167

Delta R.T. -0.00 min

Lab File: VL035713.D

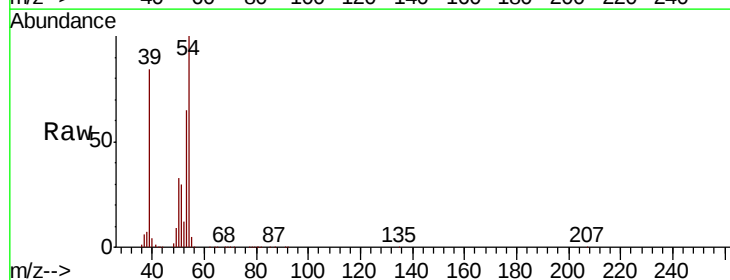
Acq: 23 Sep 2020 10:25

Tgt Ion: 39 Resp: 498422

Ion Ratio Lower Upper

39 100

54 110.2 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

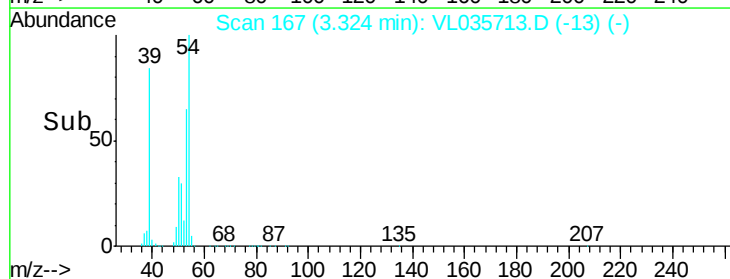
200000

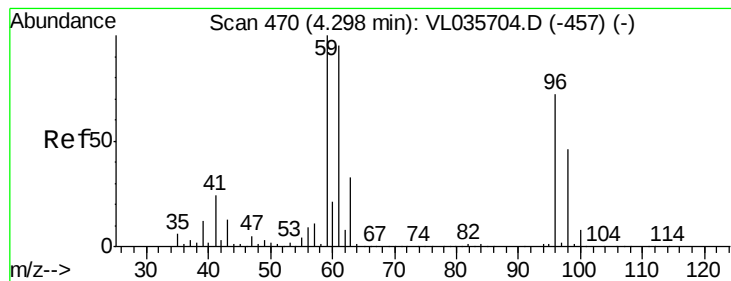
100000

0

3.25 3.30 3.35 3.40

Time-->





#17

tert-Butyl alcohol

Concen: 11.063 ppbv

RT: 4.30 min Scan# 470

Delta R.T. -0.00 min

Lab File: VL035713.D

Acq: 23 Sep 2020 10:25

Instrument :

MSVOA_L

ClientSampleId :

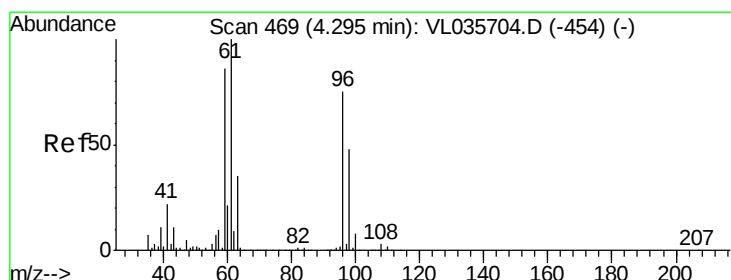
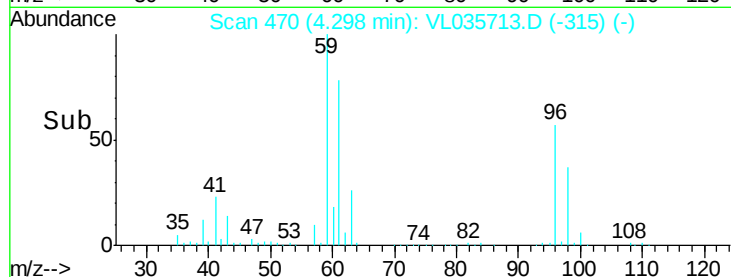
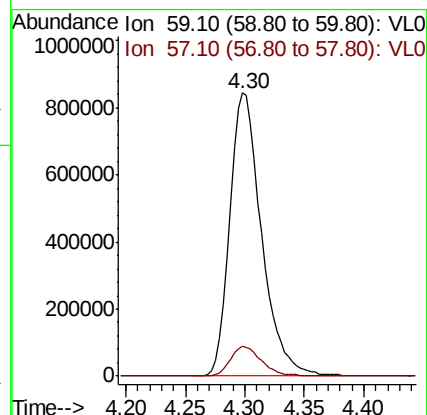
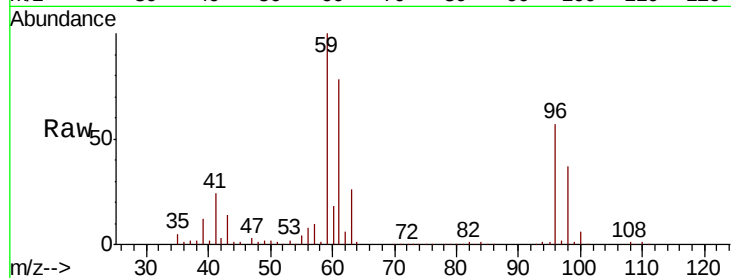
VL0923ABS01

Tot Ion: 59 Resp: 1560425

Ion Ratio Lower Upper

59 100

57 10.4 8.5 12.7



#18

1,1-Dichloroethene

Concen: 9.992 ppbv

RT: 4.29 min Scan# 468

Delta R.T. -0.00 min

Lab File: VL035713.D

Acq: 23 Sep 2020 10:25

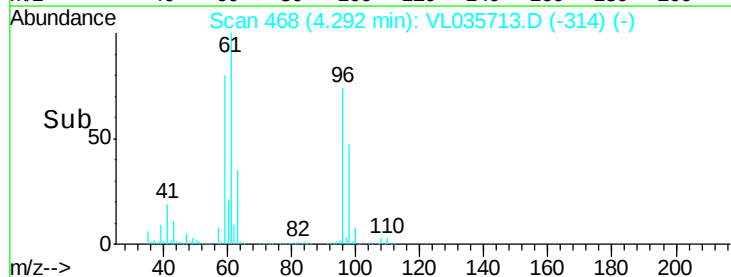
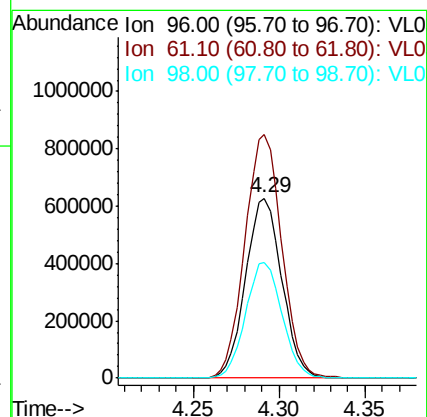
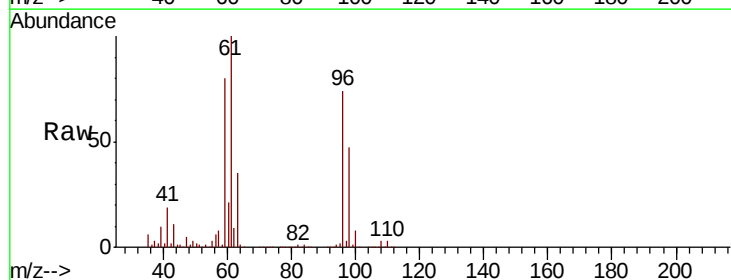
Tgt Ion: 96 Resp: 918755

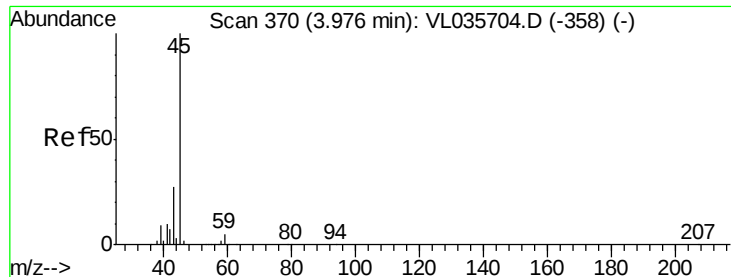
Ion Ratio Lower Upper

96 100

61 135.2 106.7 160.1

98 64.0 50.8 76.2





#19

Isopropyl Alcohol

Concen: 11.003 ppbv

RT: 3.97 min Scan# 369

Delta R.T. -0.00 min

Lab File: VL035713.D

Acq: 23 Sep 2020 10:25

Instrument :

MSVOA_L

ClientSampleId :

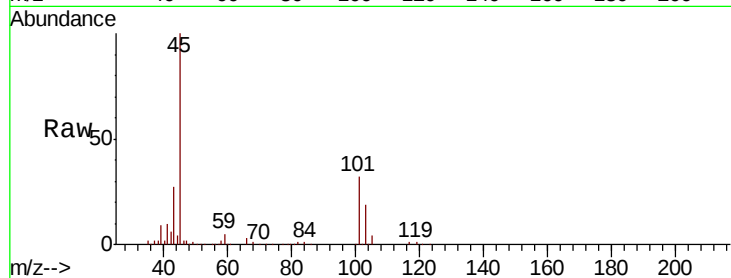
VL0923ABS01

Tot Ion: 45 Resp: 775021

Ion Ratio Lower Upper

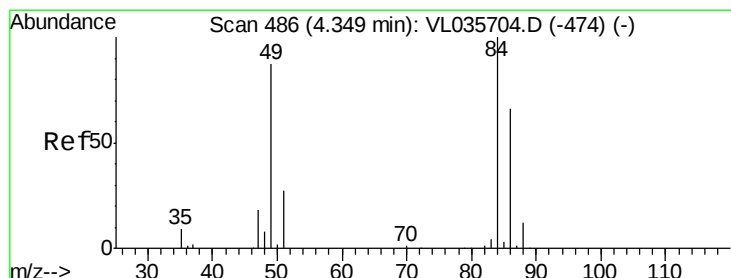
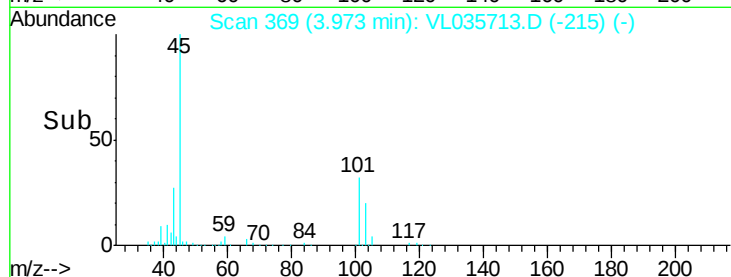
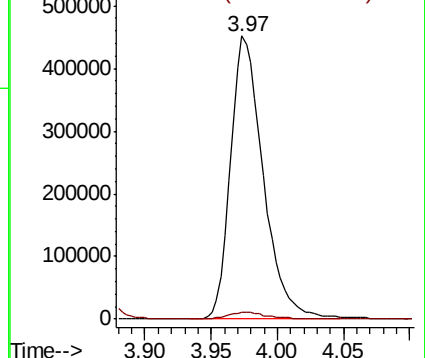
45 100

58 3.1 2.8 4.2



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 7.980 ppbv

RT: 4.35 min Scan# 485

Delta R.T. -0.00 min

Lab File: VL035713.D

Acq: 23 Sep 2020 10:25

Tgt Ion: 84 Resp: 759032

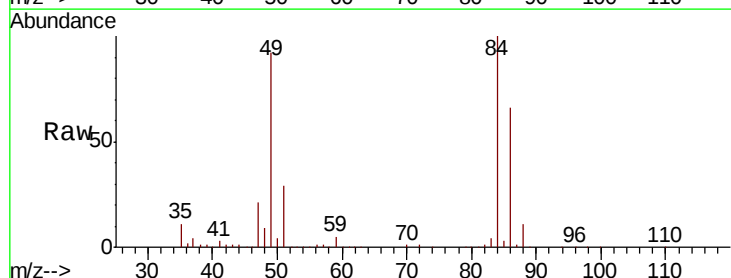
Ion Ratio Lower Upper

84 100

49 91.2 69.8 104.6

51 29.2 21.8 32.8

86 65.7 52.6 78.8

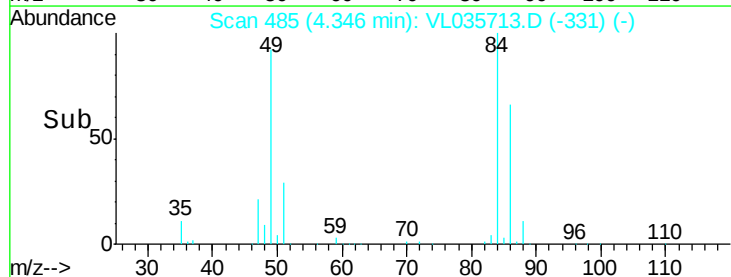
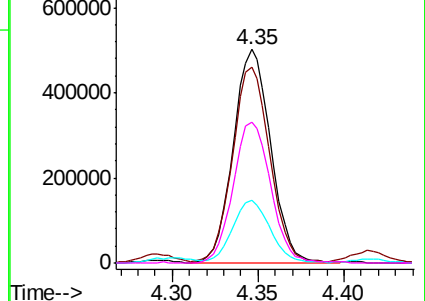


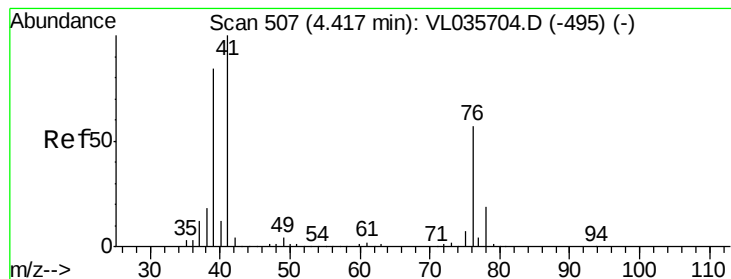
Abundance Ion 84.00 (83.70 to 84.70): VL0

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





#21

Allvl Chloride

Concen: 10.400 ppbv

RT: 4.41 min Scan# 506

Delta R.T. -0.00 min

Lab File: VL035713.D

Acq: 23 Sep 2020 10:25

Instrument :

MSVOA_L

ClientSampleId :

VL0923ABS01

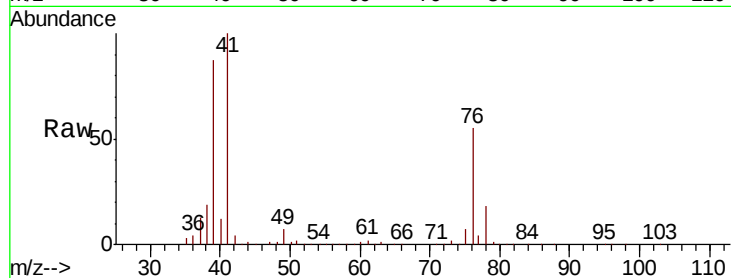
Tot Ion: 41 Resp: 652732

Ion Ratio Lower Upper

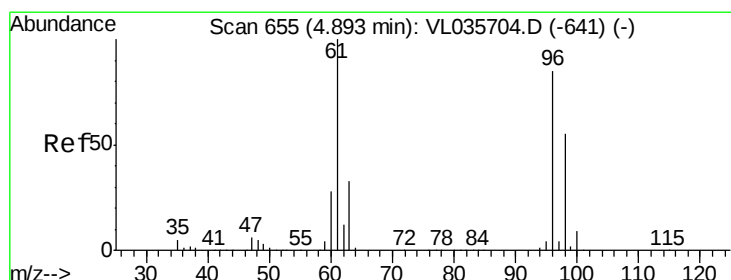
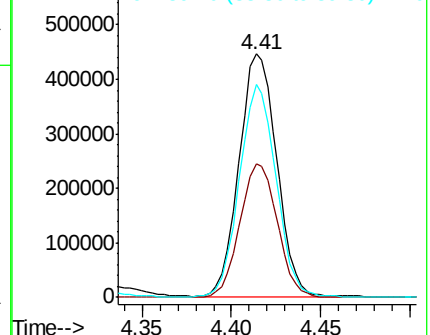
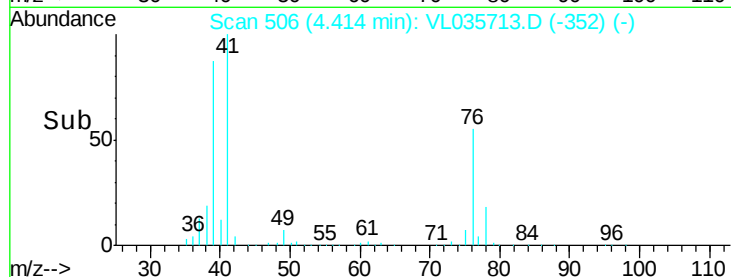
41 100

76 55.1 44.8 67.2

39 86.0 68.4 102.6



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: 9.940 ppbv

RT: 4.89 min Scan# 654

Delta R.T. -0.00 min

Lab File: VL035713.D

Acq: 23 Sep 2020 10:25

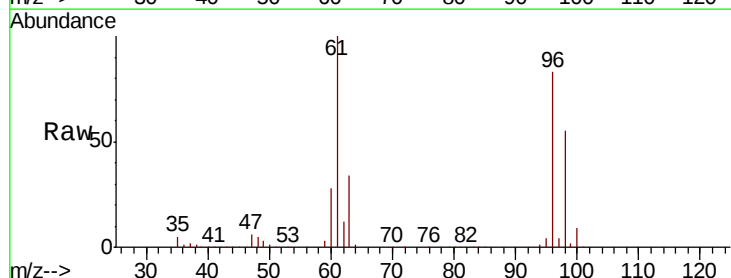
Tgt Ion: 96 Resp: 965639

Ion Ratio Lower Upper

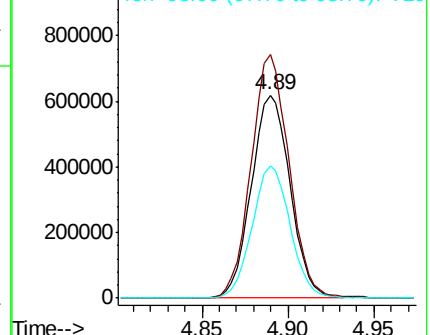
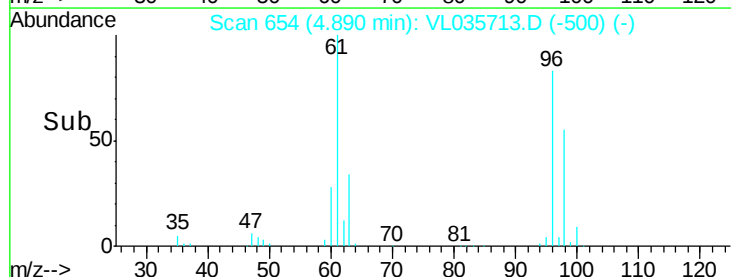
96 100

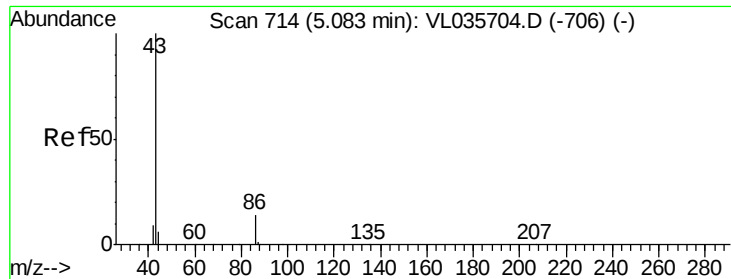
61 120.1 93.7 140.5

98 65.4 51.2 76.8



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: 10.792 ppbv

RT: 5.08 min Scan# 713

Delta R.T. -0.00 min

Lab File: VL035713.D

Acq: 23 Sep 2020 10:25

Instrument :

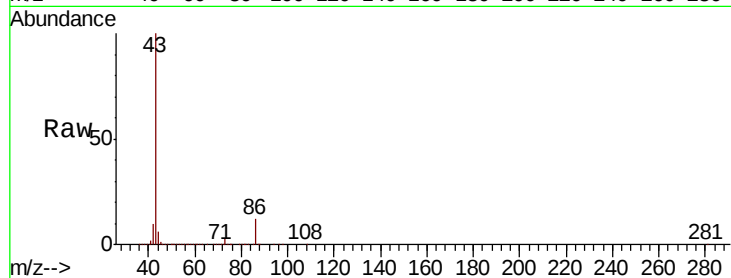
MSVOA_L

ClientSampleId :

VL0923ABS01

Tot Ion: 43 Resp: 1711560

Ion	Ratio	Lower	Upper
43	100		
86	12.2	9.7	14.5
42	9.9	7.9	11.9
44	6.1	4.8	7.2

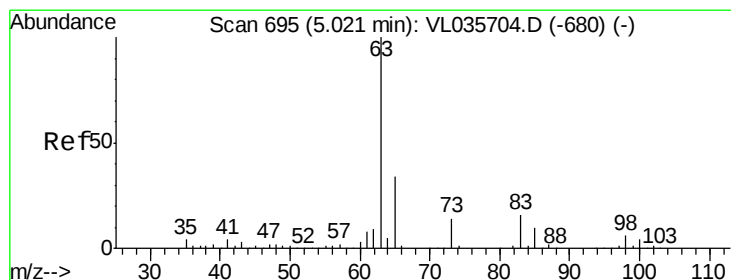
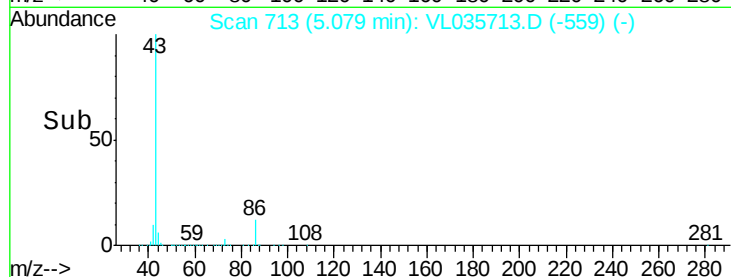
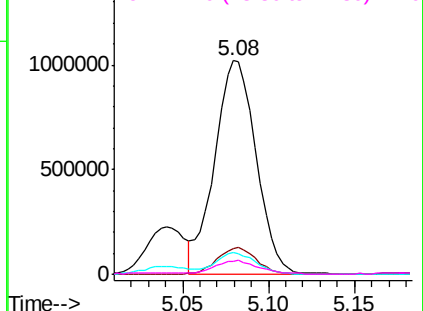


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 9.641 ppbv

RT: 5.02 min Scan# 694

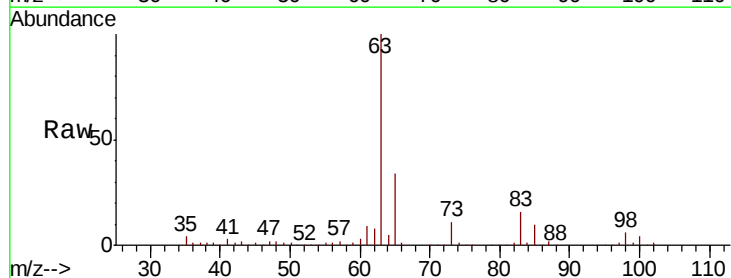
Delta R.T. -0.00 min

Lab File: VL035713.D

Acq: 23 Sep 2020 10:25

Tgt Ion: 63 Resp: 1665410

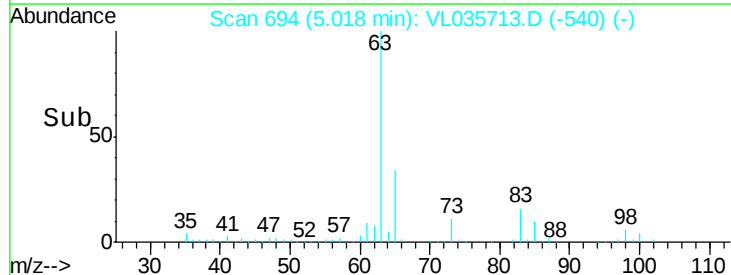
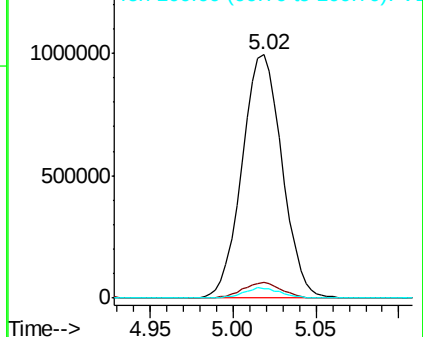
Ion	Ratio	Lower	Upper
63	100		
98	6.3	3.3	9.8
100	3.8	2.0	5.8

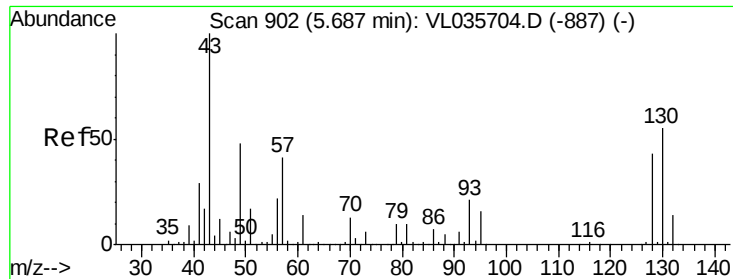


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



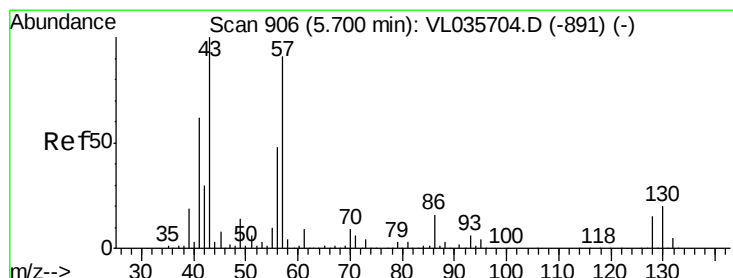
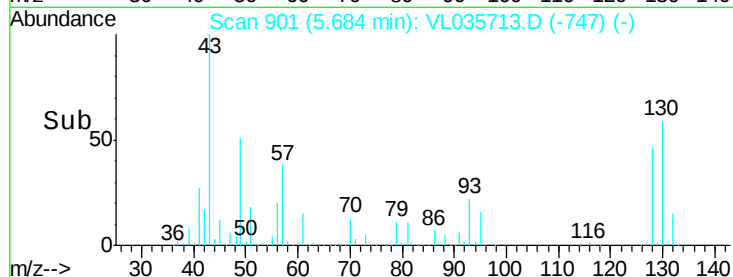
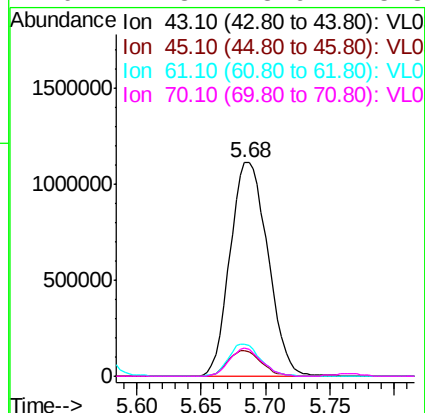
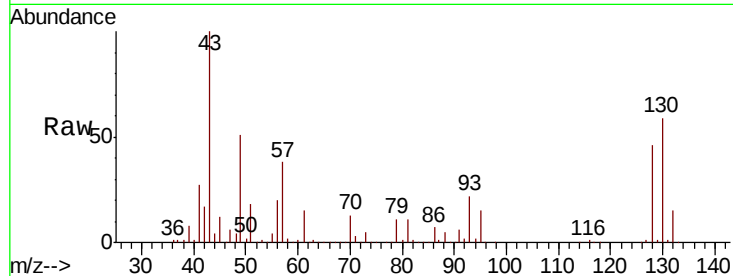


#25
Ethyl Acetate
Concen: 9.720 ppbv
RT: 5.68 min Scan# 901
Delta R.T. -0.00 min
Lab File: VL035713.D
Acq: 23 Sep 2020 10:25

Instrument :
MSVOA_L
ClientSampleId :
VL0923ABS01

Tot Ion: 43 Resp: 2264728

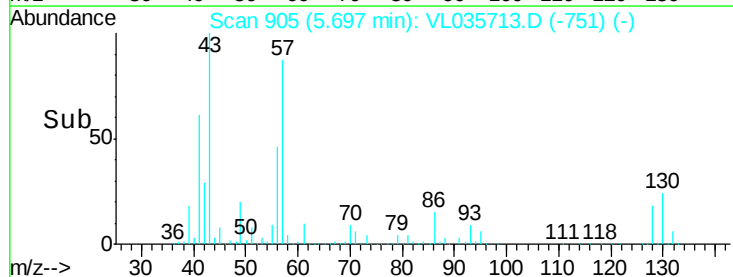
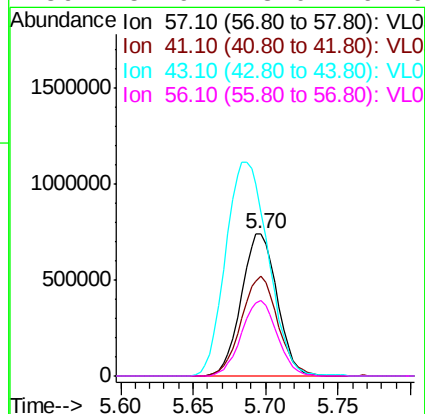
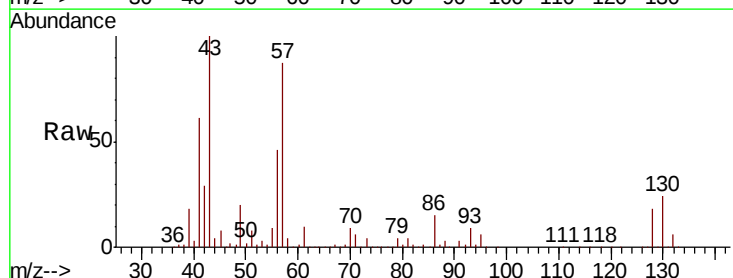
Ion	Ratio	Lower	Upper
43	100		
45	10.8	8.6	12.8
61	13.1	10.4	15.6
70	11.3	8.9	13.3

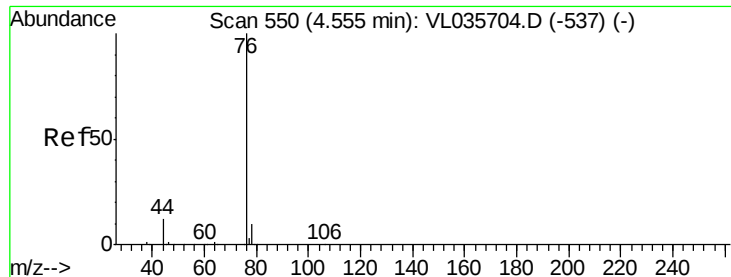


#26
Hexane
Concen: 9.934 ppbv
RT: 5.70 min Scan# 905
Delta R.T. -0.00 min
Lab File: VL035713.D
Acq: 23 Sep 2020 10:25

Tgt Ion: 57 Resp: 1268340

Ion	Ratio	Lower	Upper
57	100		
41	72.0	57.9	86.9
43	179.7	143.8	215.6
56	52.9	43.0	64.6





#27

Carbon Disulfide

Concen: 10.676 ppbv

RT: 4.55 min Scan# 549

Delta R.T. -0.00 min

Lab File: VL035713.D

Acq: 23 Sep 2020 10:25

Instrument :

MSVOA_L

ClientSampleId :

VL0923ABS01

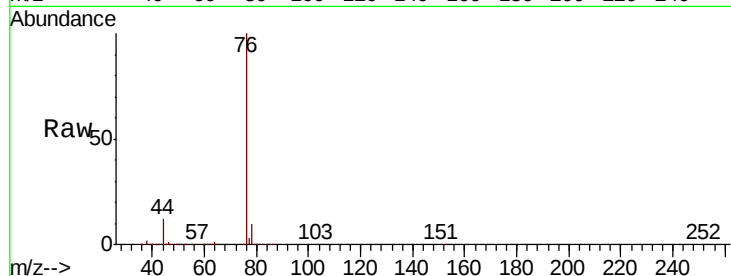
Tot Ion: 76 Resp: 2031614

Ion Ratio Lower Upper

76 100

44 11.9 9.7 14.5

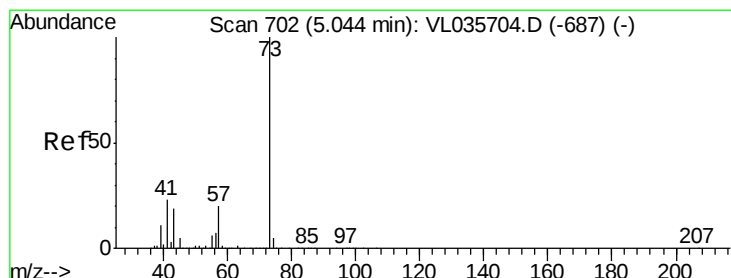
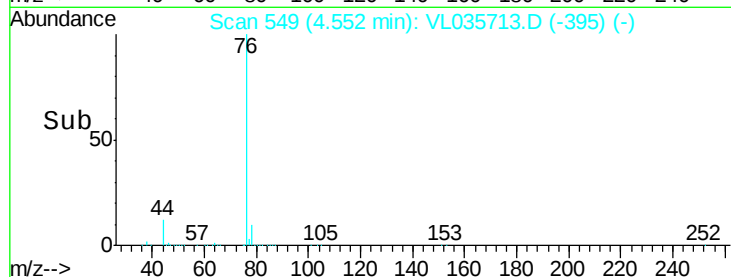
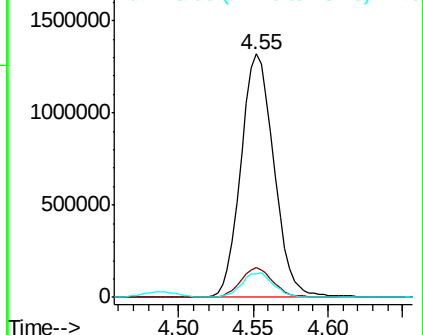
78 9.8 7.8 11.8



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: 10.726 ppbv

RT: 5.04 min Scan# 701

Delta R.T. -0.00 min

Lab File: VL035713.D

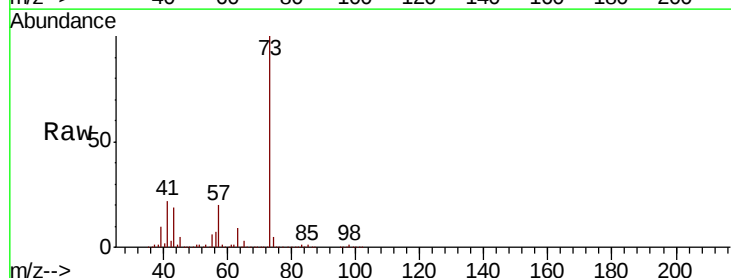
Acq: 23 Sep 2020 10:25

Tgt Ion: 73 Resp: 2170782

Ion Ratio Lower Upper

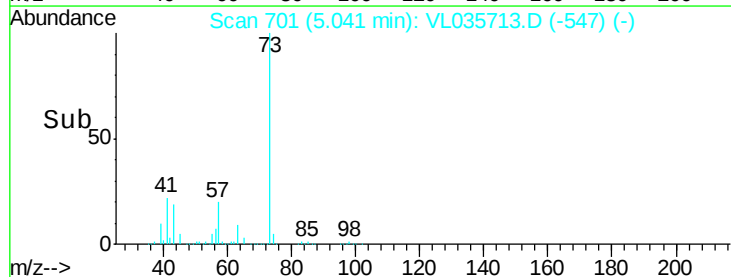
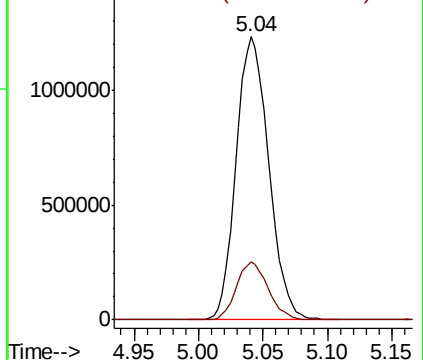
73 100

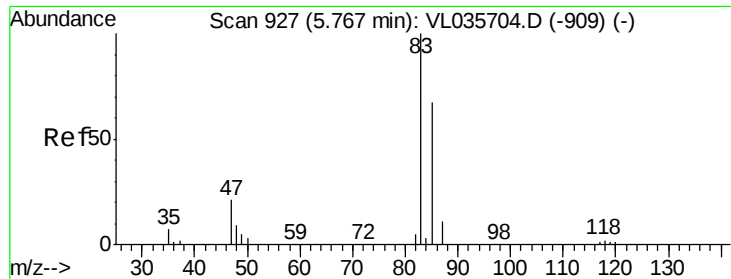
57 20.0 15.6 23.4



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

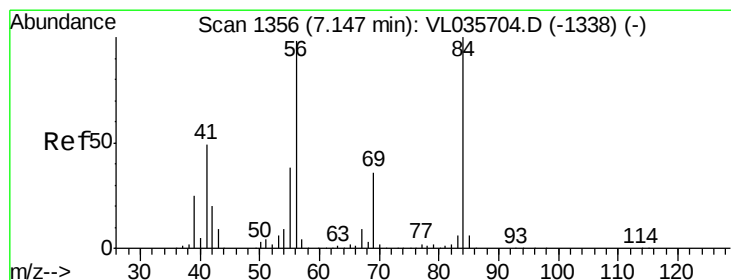
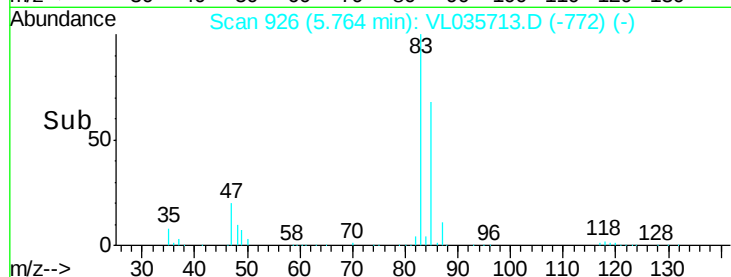
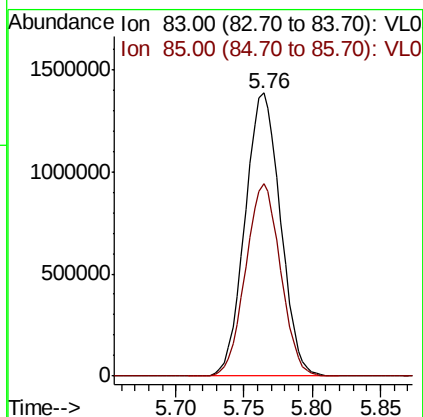
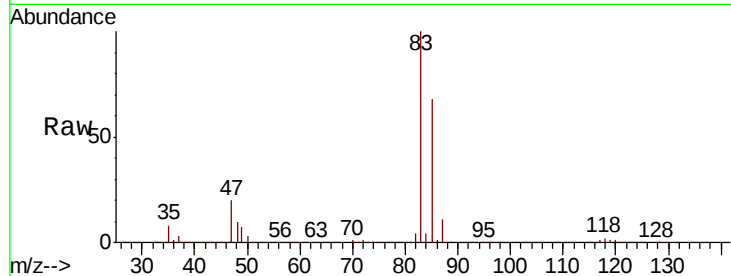




#29
Chloroform
Concen: 9.628 ppbv
RT: 5.76 min Scan# 926
Delta R.T. -0.00 min
Lab File: VL035713.D
Acq: 23 Sep 2020 10:25

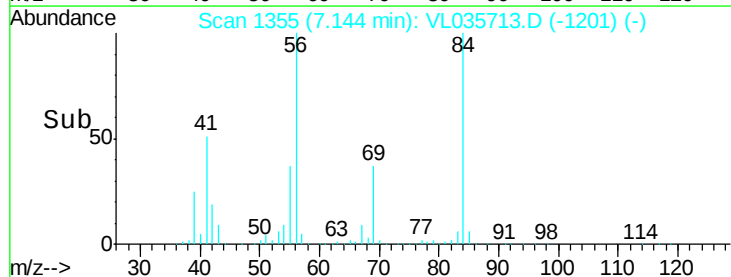
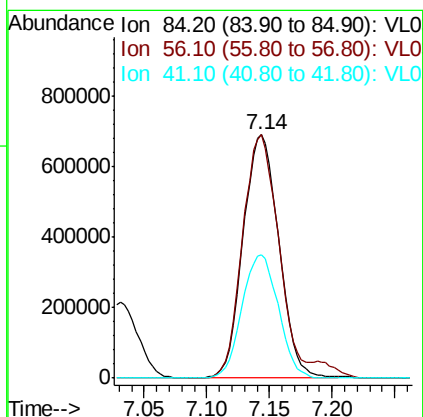
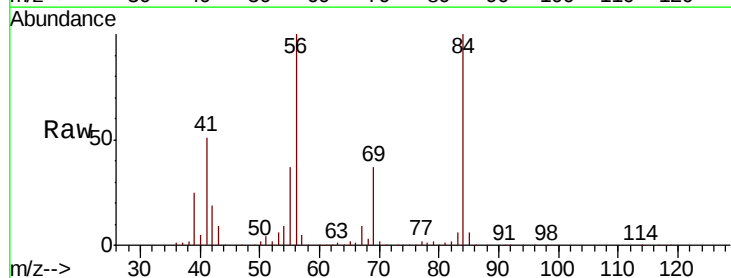
Instrument :
MSVOA_L
ClientSampleId :
VL0923ABS01

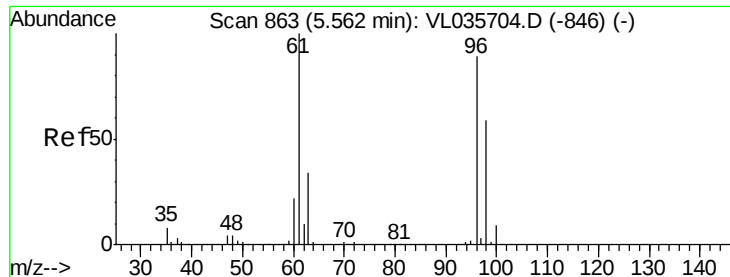
Tot Ion: 83 Resp: 2496391
Ion Ratio Lower Upper
83 100
85 67.8 54.0 81.0



#30
Cyclohexane
Concen: 10.927 ppbv
RT: 7.14 min Scan# 1355
Delta R.T. -0.00 min
Lab File: VL035713.D
Acq: 23 Sep 2020 10:25

Tgt Ion: 84 Resp: 1376508
Ion Ratio Lower Upper
84 100
56 105.3 84.6 127.0
41 51.5 41.1 61.7



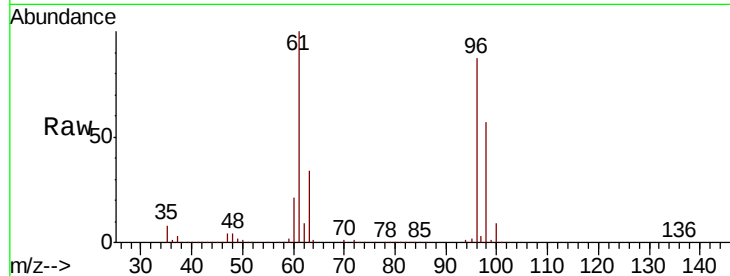


#31

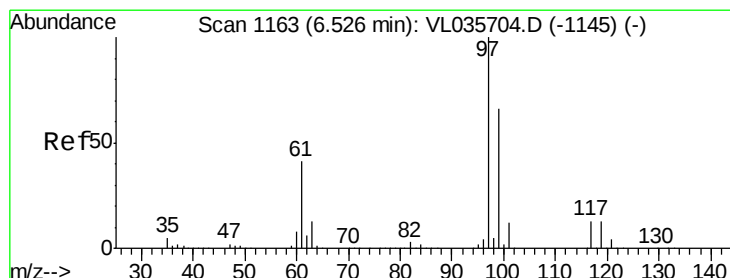
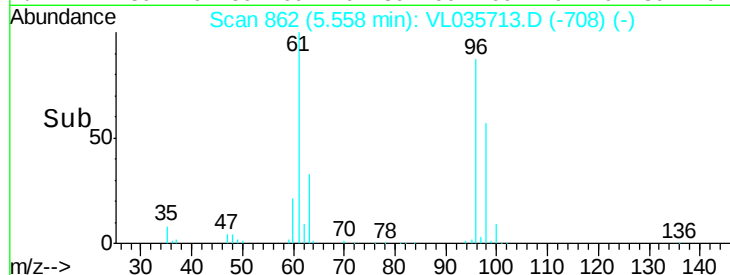
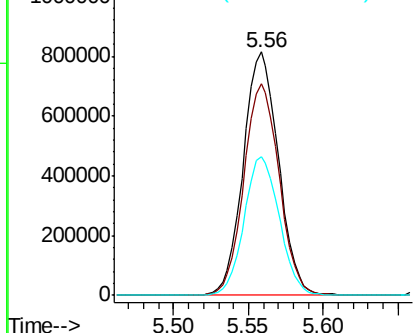
cis-1,2-Dichloroethene
 Concen: 10.843 ppbv
 RT: 5.56 min Scan# 862
 Delta R.T. -0.00 min
 Lab File: VL035713.D
 Acq: 23 Sep 2020 10:25

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0923ABS01

Tot Ion: 61 Resp: 1336452
 Ion Ratio Lower Upper
 61 100
 96 86.8 71.4 107.2
 98 57.1 47.4 71.2



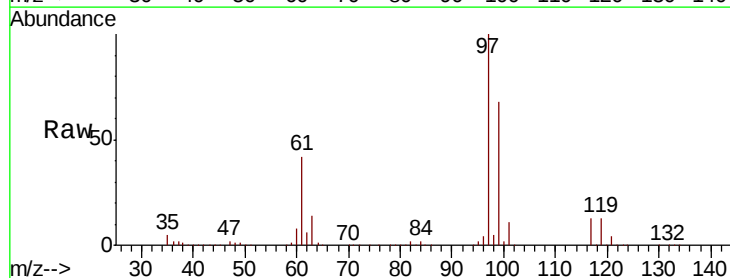
Abundance Ion 61.10 (60.80 to 61.80): VL0
 Ion 96.00 (95.70 to 96.70): VL0
 Ion 98.00 (97.70 to 98.70): VL0



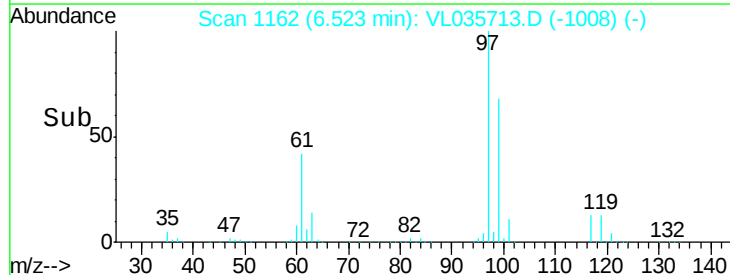
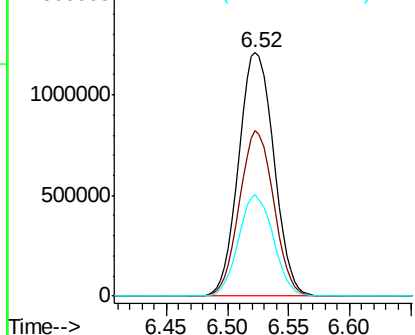
#32

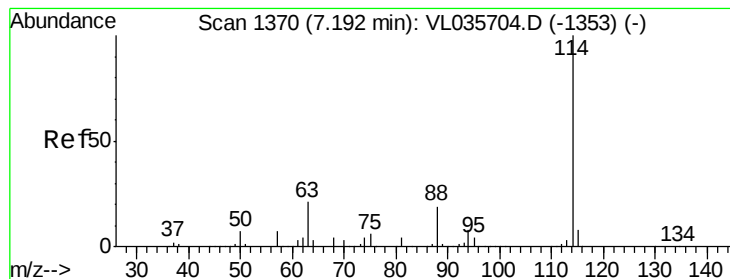
1,1,1-Trichloroethane
 Concen: 10.566 ppbv
 RT: 6.52 min Scan# 1162
 Delta R.T. -0.00 min
 Lab File: VL035713.D
 Acq: 23 Sep 2020 10:25

Tgt Ion: 97 Resp: 2415047
 Ion Ratio Lower Upper
 97 100
 99 66.2 52.7 79.1
 61 41.0 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: VL035713.D

Acq: 23 Sep 2020 10:25

Instrument :

MSVOA_L

ClientSampleId :

VL0923ABS01

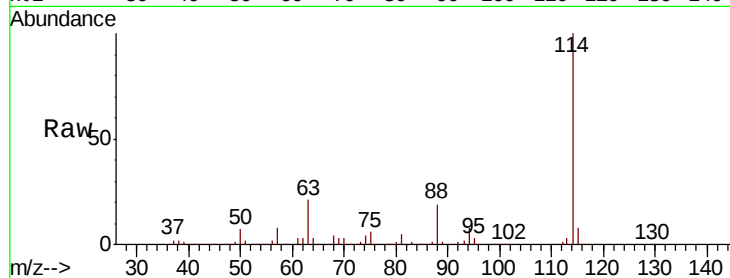
Tot Ion:114 Resp: 4617624

Ion Ratio Lower Upper

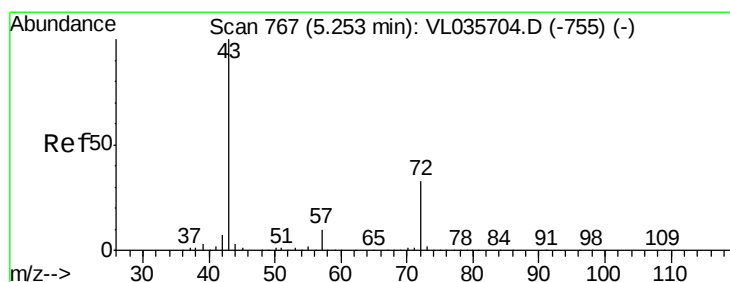
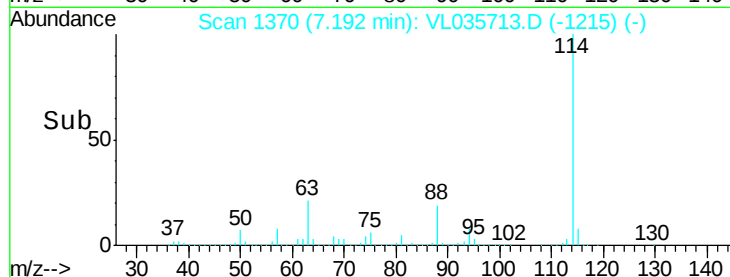
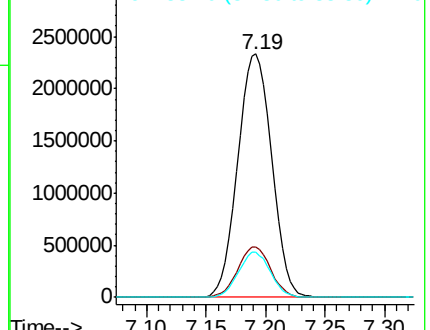
114 100

63 20.2 16.1 24.1

88 17.5 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: 10.121 ppbv

RT: 5.25 min Scan# 767

Delta R.T. -0.00 min

Lab File: VL035713.D

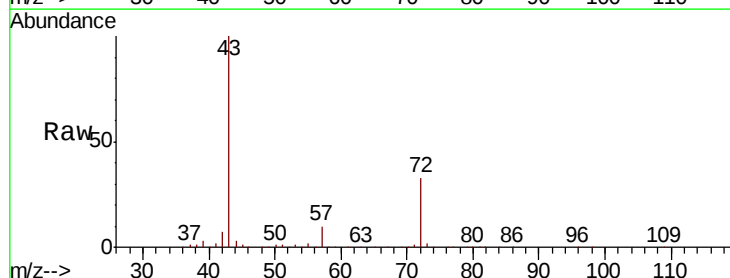
Acq: 23 Sep 2020 10:25

Tgt Ion: 43 Resp: 1545852

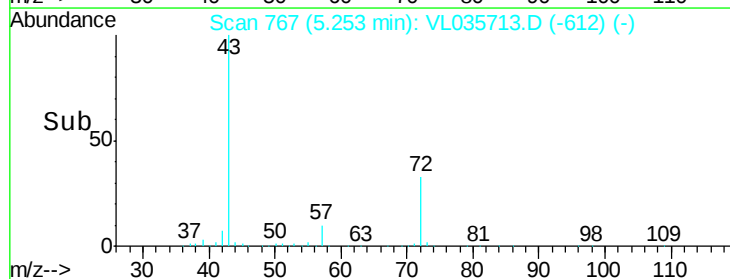
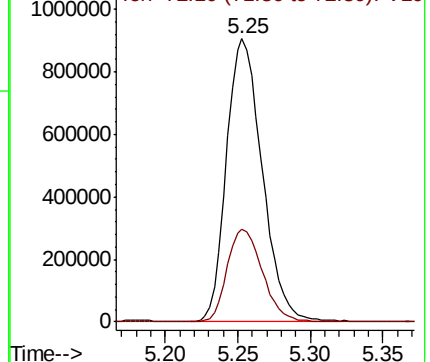
Ion Ratio Lower Upper

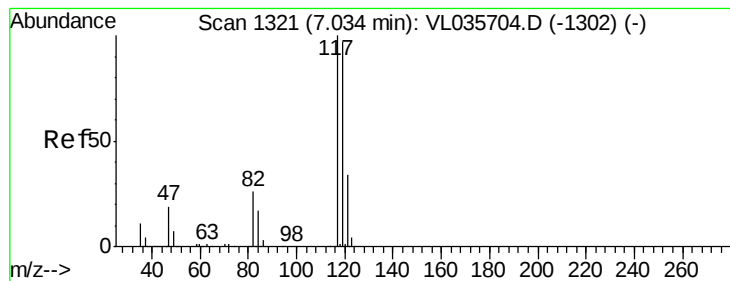
43 100

72 32.7 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: 10.343 ppbv

RT: 7.03 min Scan# 1320

Delta R.T. -0.00 min

Lab File: VL035713.D

Acq: 23 Sep 2020 10:25

Instrument :

MSVOA_L

ClientSampleId :

VL0923ABS01

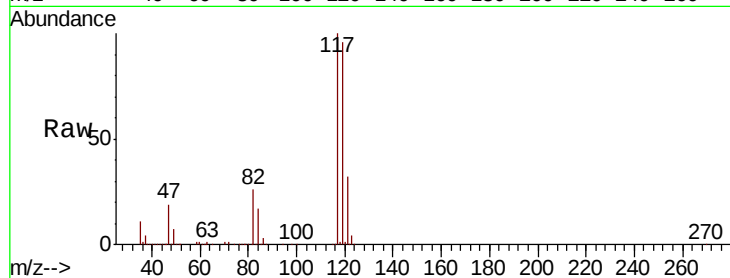
Tot Ion:117 Resp: 2490155

Ion Ratio Lower Upper

117 100

119 96.3 77.7 116.5

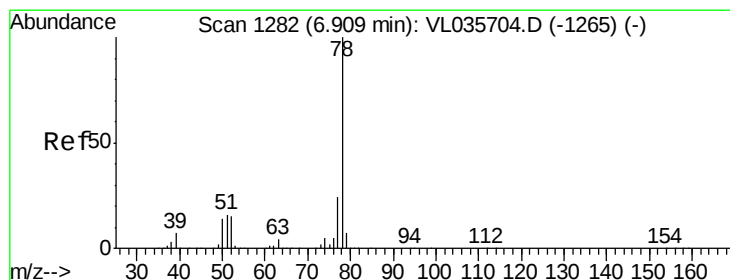
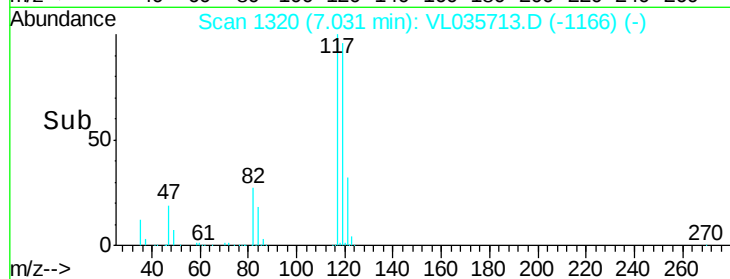
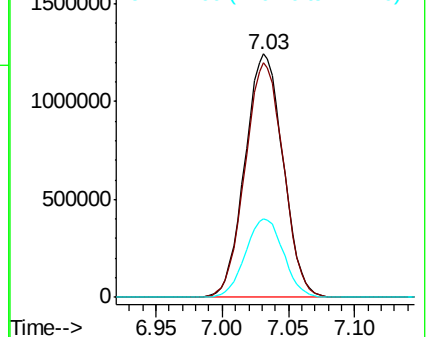
121 32.4 26.9 40.3



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: 10.444 ppbv

RT: 6.91 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VL035713.D

Acq: 23 Sep 2020 10:25

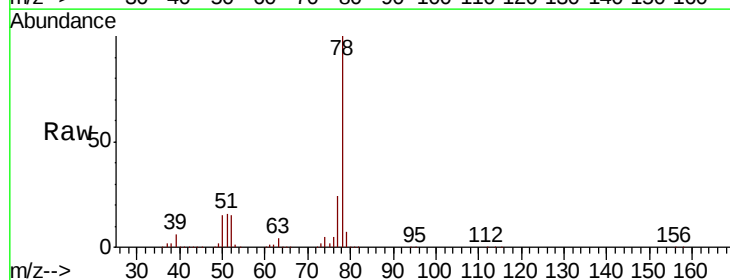
Tgt Ion: 78 Resp: 3142351

Ion Ratio Lower Upper

78 100

77 24.0 19.3 28.9

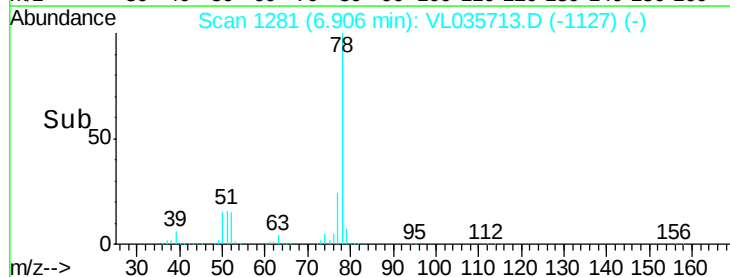
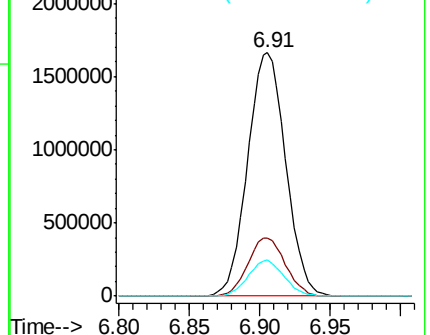
50 14.6 11.6 17.4

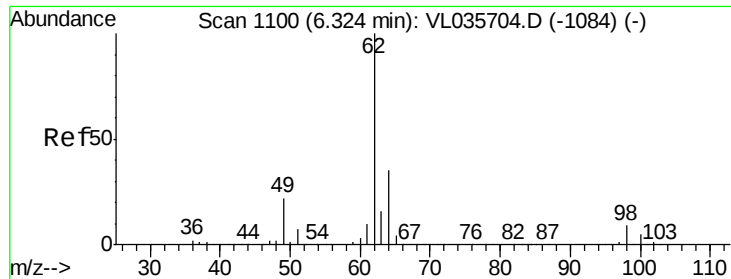


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

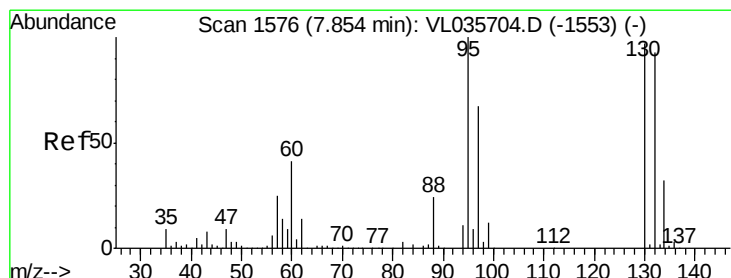
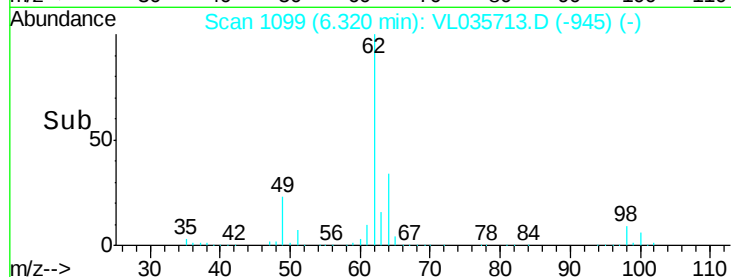
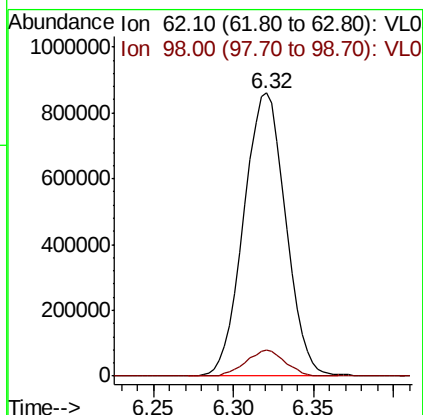
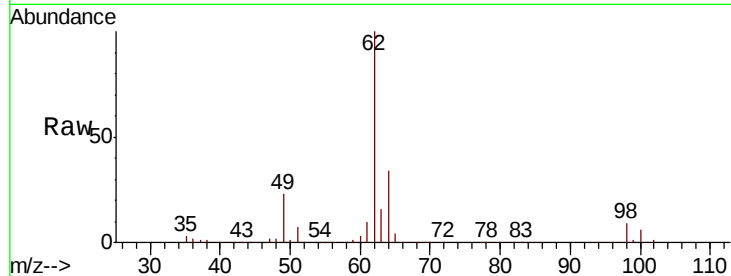




#37
 1,2-Dichloroethane
 Concen: 9.841 ppbv
 RT: 6.32 min Scan# 1099
 Delta R.T. -0.00 min
 Lab File: VL035713.D
 Acq: 23 Sep 2020 10:25

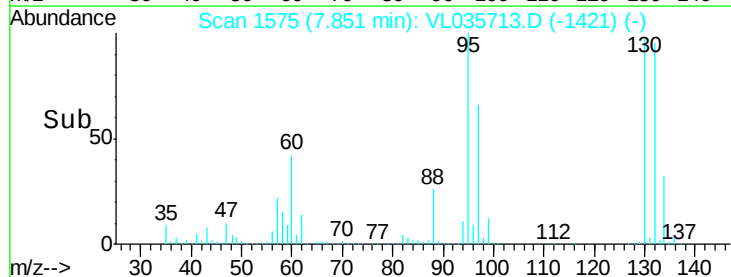
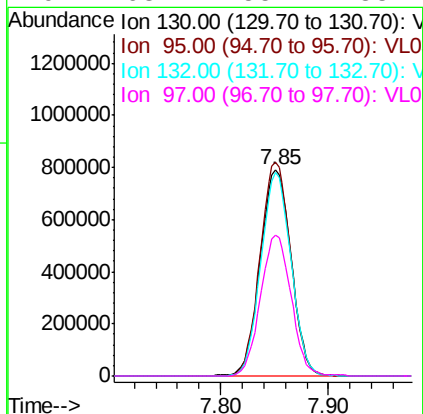
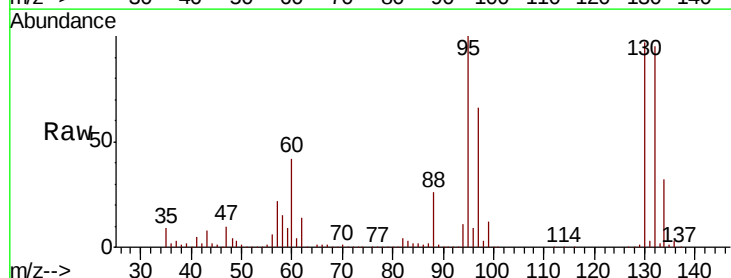
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0923ABS01

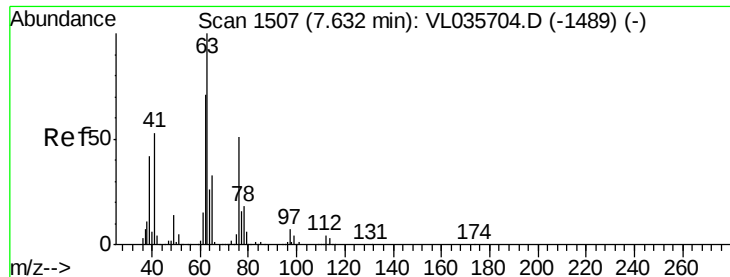
Tot Ion: 62 Resp: 1543203
 Ion Ratio Lower Upper
 62 100
 98 8.8 6.9 10.3



#38
 Trichloroethene
 Concen: 10.501 ppbv
 RT: 7.85 min Scan# 1575
 Delta R.T. -0.00 min
 Lab File: VL035713.D
 Acq: 23 Sep 2020 10:25

Tgt Ion:130 Resp: 1576141
 Ion Ratio Lower Upper
 130 100
 95 103.4 82.4 123.6
 132 98.7 76.8 115.2
 97 68.1 55.4 83.2





#39

1,2-Dichloropropane

Concen: 10.050 ppbv

RT: 7.63 min Scan# 1506

Delta R.T. -0.00 min

Lab File: VL035713.D

Acq: 23 Sep 2020 10:25

Instrument :

MSVOA_L

ClientSampleId :

VL0923ABS01

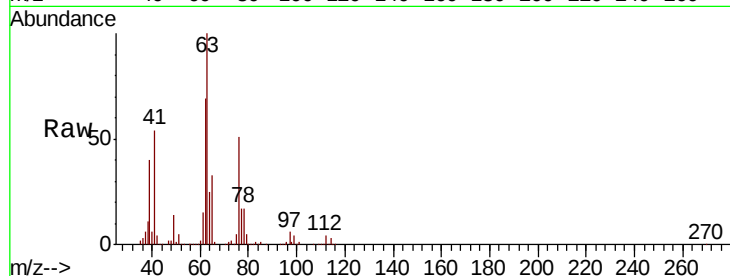
Tot Ion: 63 Resp: 1096031

Ion Ratio Lower Upper

63 100

41 53.5 42.6 63.8

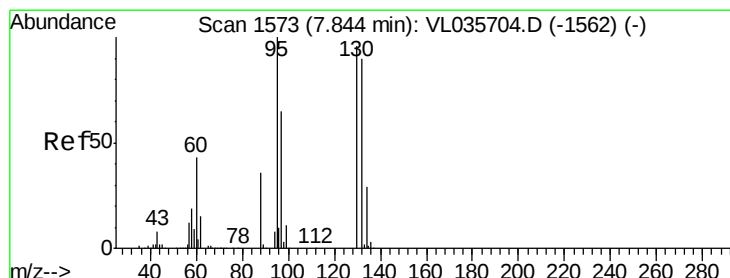
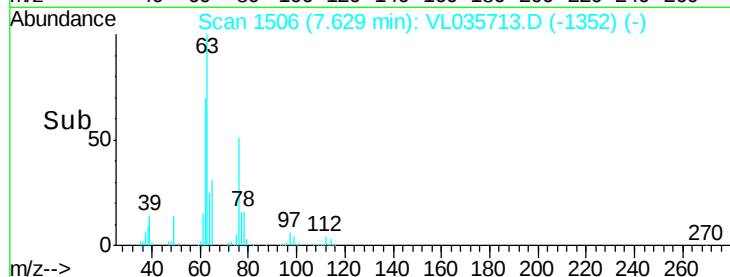
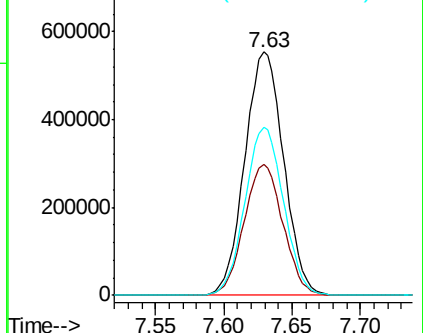
62 69.1 56.5 84.7



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: 10.671 ppbv

RT: 7.84 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VL035713.D

Acq: 23 Sep 2020 10:25

Tgt Ion: 88 Resp: 532235

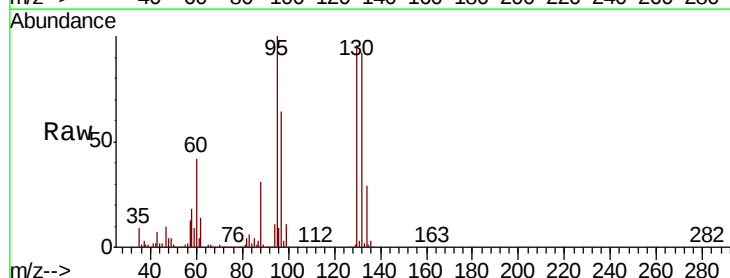
Ion Ratio Lower Upper

88 100

58 96.1 76.2 114.4

43 152.7 123.4 185.2

57 807.7 652.5 978.7

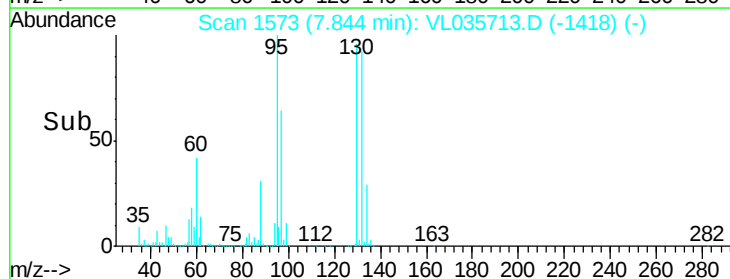
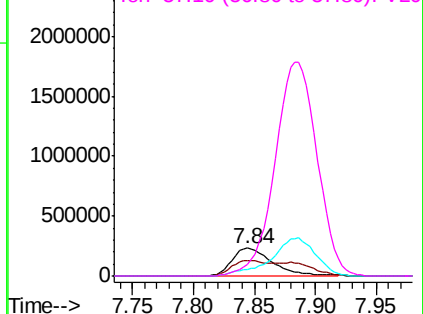


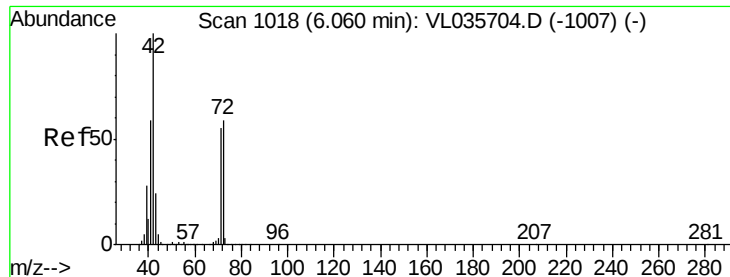
Abundance Ion 88.10 (87.80 to 88.80): VL0

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: 11.333 ppbv

RT: 6.06 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VL035713.D

Acq: 23 Sep 2020 10:25

Instrument :

MSVOA_L

ClientSampleId :

VL0923ABS01

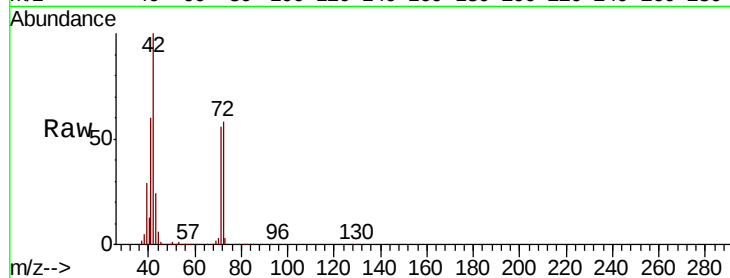
Tot Ion: 42 Resp: 872004

Ion Ratio Lower Upper

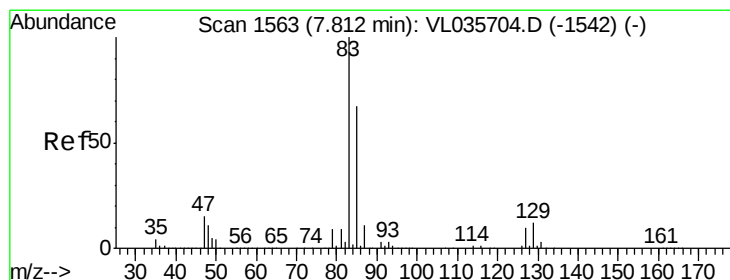
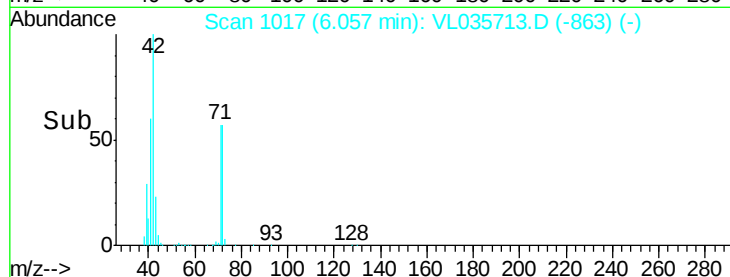
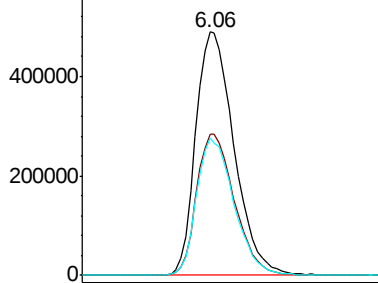
42 100

72 57.7 46.2 69.4

71 55.2 44.2 66.4



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: 10.281 ppbv

RT: 7.81 min Scan# 1561

Delta R.T. -0.01 min

Lab File: VL035713.D

Acq: 23 Sep 2020 10:25

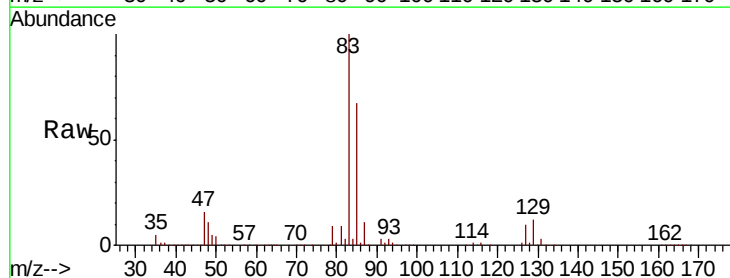
Tgt Ion: 83 Resp: 2597149

Ion Ratio Lower Upper

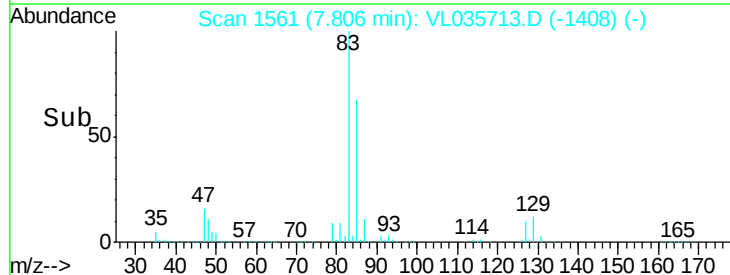
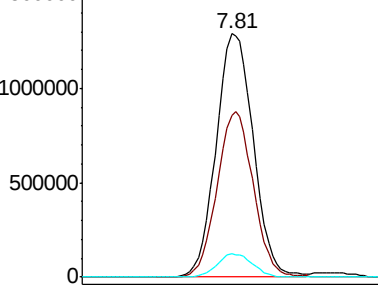
83 100

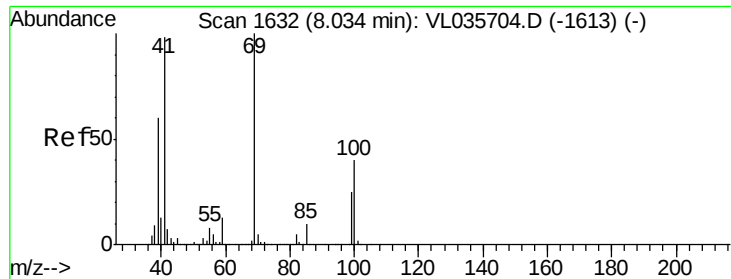
85 66.5 53.4 80.0

127 9.5 7.8 11.6



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

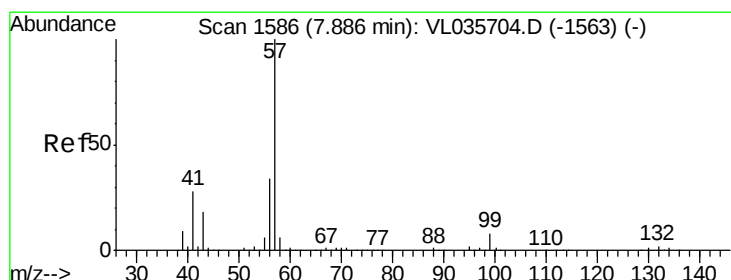
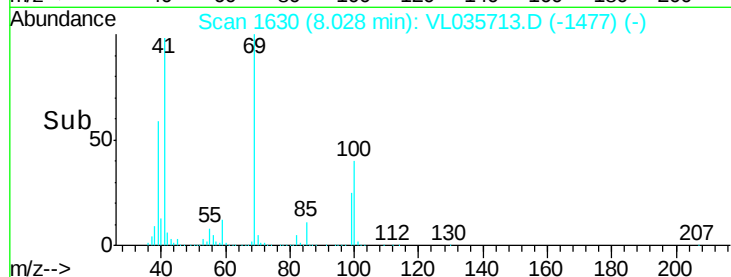
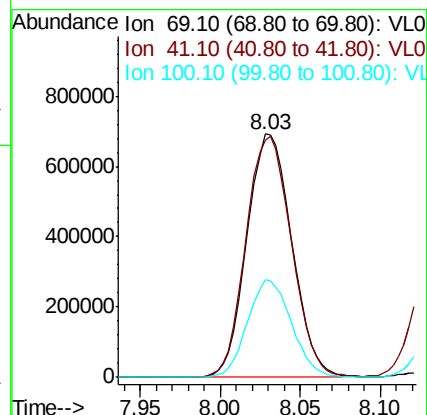
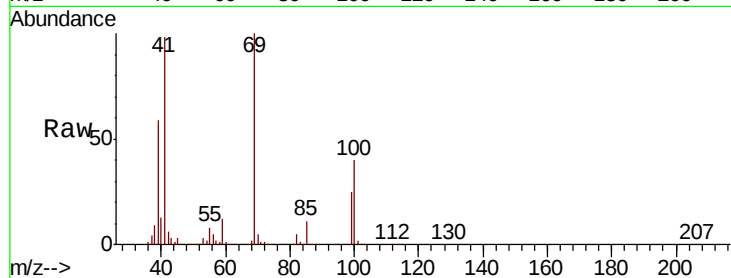




#43
Methvl Methacrylate
Concen: 11.135 ppbv
RT: 8.03 min Scan# 1630
Delta R.T. -0.01 min
Lab File: VL035713.D
Acq: 23 Sep 2020 10:25

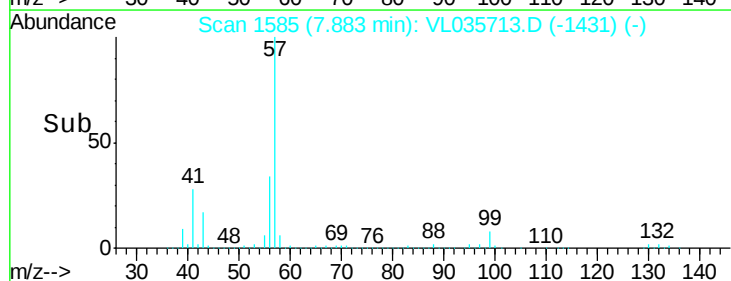
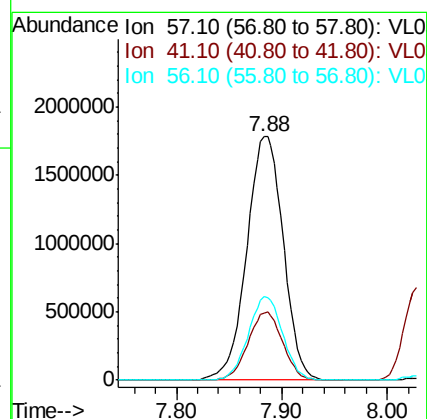
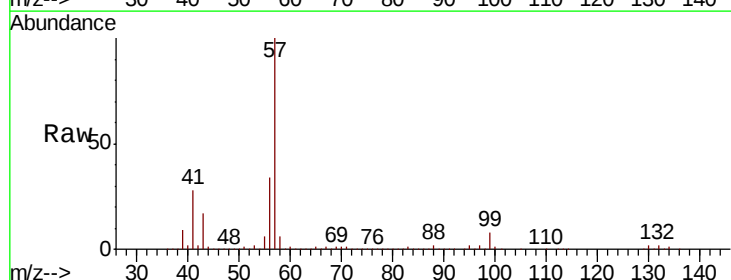
Instrument :
MSVOA_L
ClientSampleId :
VL0923ABS01

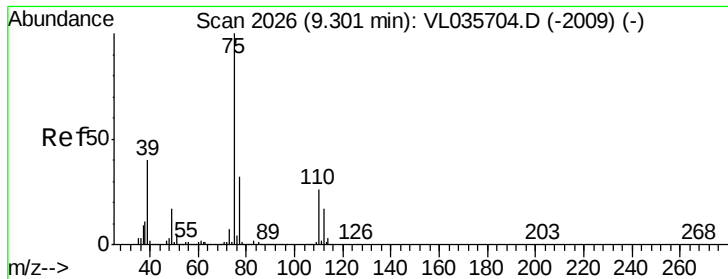
Tot Ion: 69 Resp: 1332472
Ion Ratio Lower Upper
69 100
41 100.2 79.8 119.6
100 39.2 30.6 46.0



#44
2,2,4-Trimethylpentane
Concen: 9.928 ppbv
RT: 7.88 min Scan# 1585
Delta R.T. -0.00 min
Lab File: VL035713.D
Acq: 23 Sep 2020 10:25

Tgt Ion: 57 Resp: 4286333
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: 12.244 ppbv

RT: 9.30 min Scan# 2025

Delta R.T. -0.00 min

Lab File: VL035713.D

Acq: 23 Sep 2020 10:25

Instrument :

MSVOA_L

ClientSampleId :

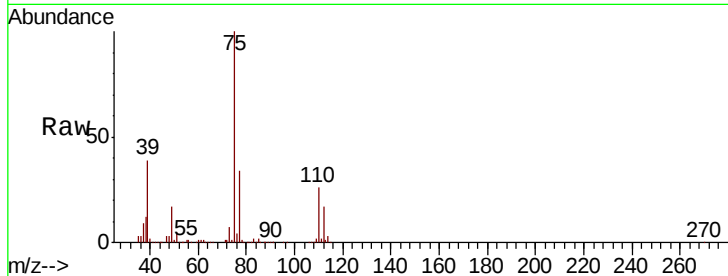
VL0923ABS01

Tot Ion: 75 Resp: 1479244

Ion Ratio Lower Upper

75 100

77 34.1 25.9 38.9



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

9.30

800000

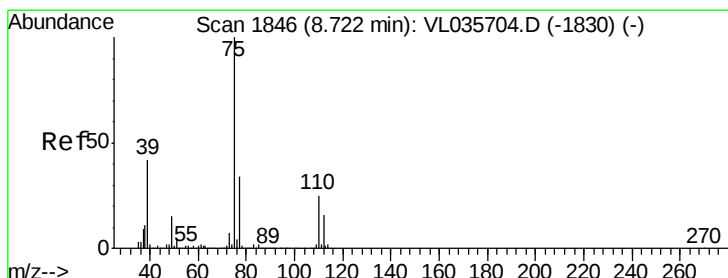
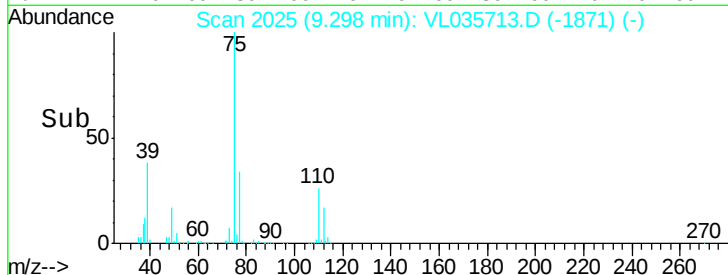
600000

400000

200000

0

Time-->



#46

cis-1,3-Dichloropropene

Concen: 11.970 ppbv

RT: 8.72 min Scan# 1845

Delta R.T. -0.00 min

Lab File: VL035713.D

Acq: 23 Sep 2020 10:25

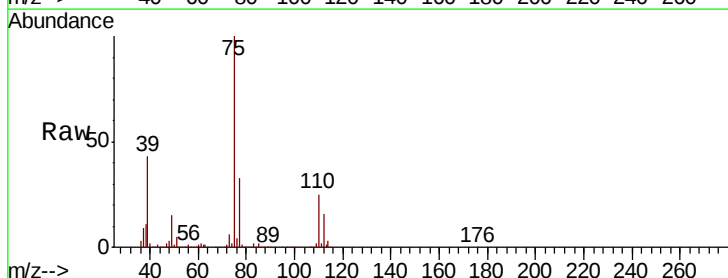
Tgt Ion: 75 Resp: 1782689

Ion Ratio Lower Upper

75 100

39 43.3 33.9 50.9

77 33.4 27.4 41.0



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

1200000

1000000

800000

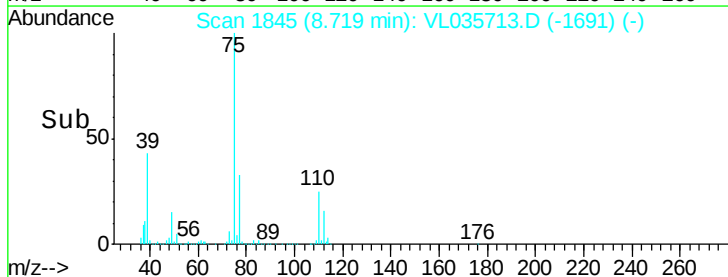
600000

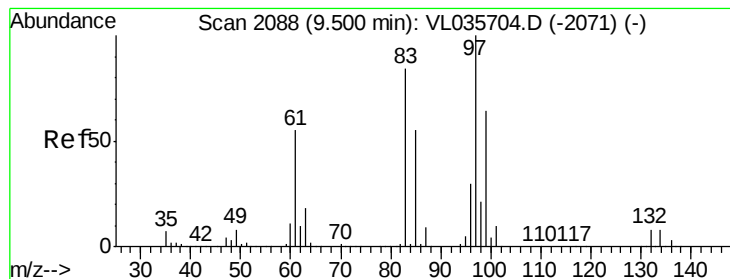
400000

200000

0

Time-->





#47

1,1,2-Trichloroethane

Concen: 9.809 ppbv

RT: 9.49 min Scan# 2086

Delta R.T. -0.01 min

Lab File: VL035713.D

Acq: 23 Sep 2020 10:25

Instrument :

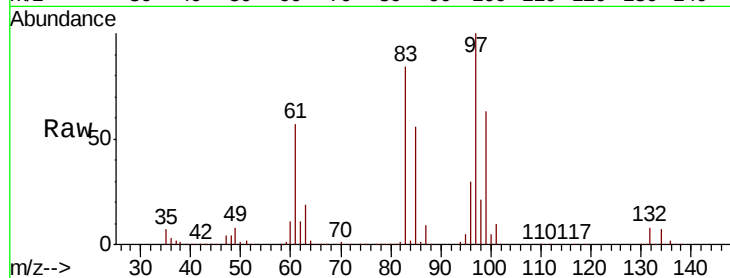
MSVOA_L

ClientSampleId :

VL0923ABS01

Tot Ion: 97 Resp: 1532196

Ion	Ratio	Lower	Upper
97	100		
83	83.7	67.1	100.7
85	55.8	43.9	65.9
99	62.8	51.3	76.9

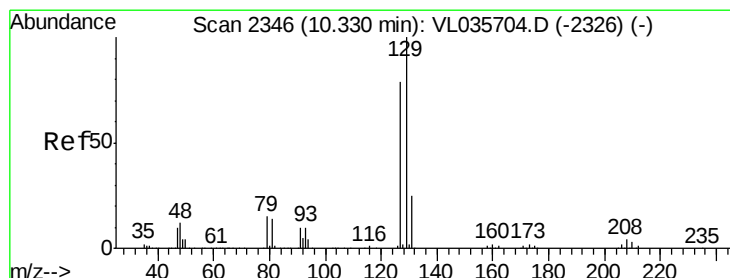
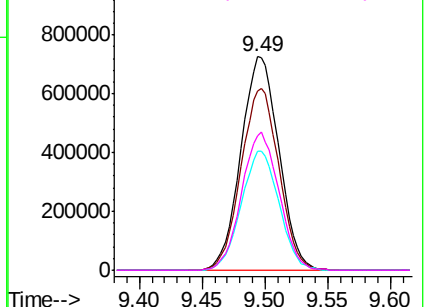
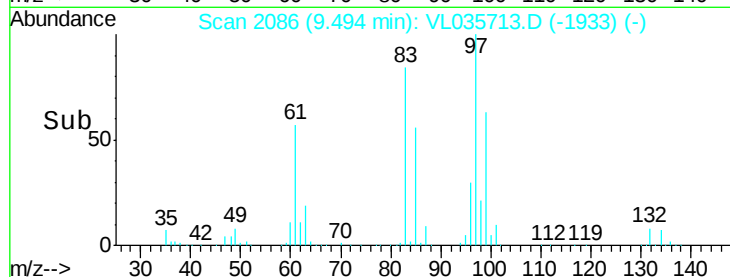


Abundance Ion 97.00 (96.70 to 97.70): VL0

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: 10.764 ppbv

RT: 10.33 min Scan# 2345

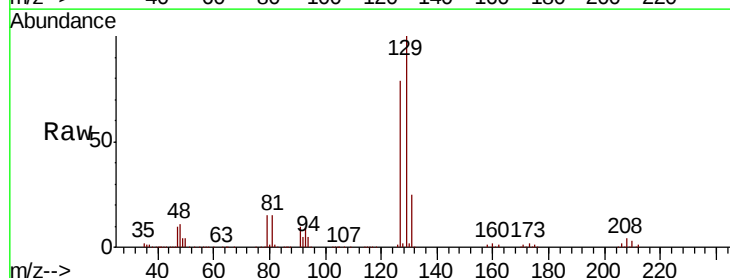
Delta R.T. -0.00 min

Lab File: VL035713.D

Acq: 23 Sep 2020 10:25

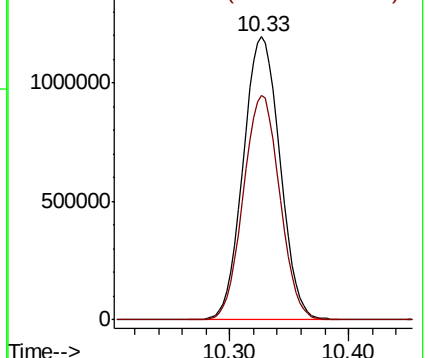
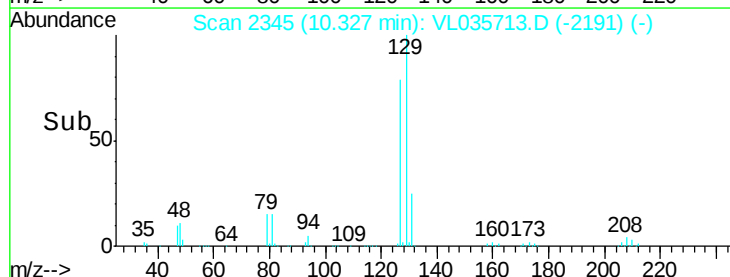
Tgt Ion: 129 Resp: 2559002

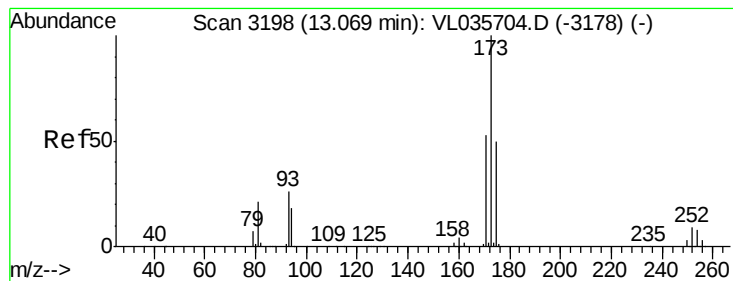
Ion	Ratio	Lower	Upper
129	100		
127	78.8	39.4	118.1



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 11.239 ppbv

RT: 13.07 min Scan# 3197

Delta R.T. -0.00 min

Lab File: VL035713.D

Acq: 23 Sep 2020 10:25

Instrument :

MSVOA_L

ClientSampleId :

VL0923ABS01

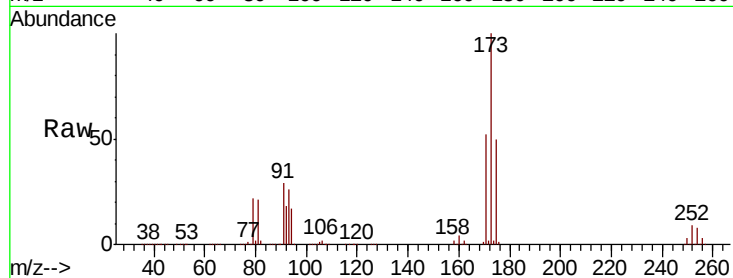
Tot Ion:173 Resp: 2267145

Ion Ratio Lower Upper

173 100

175 49.8 39.8 59.6

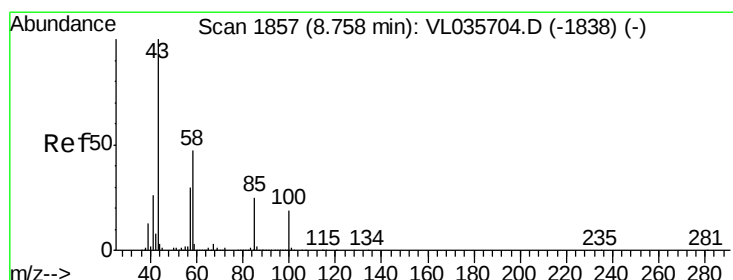
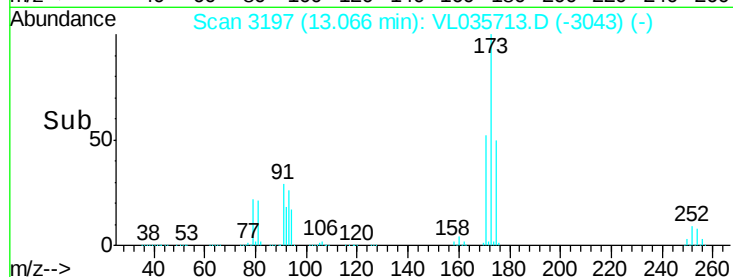
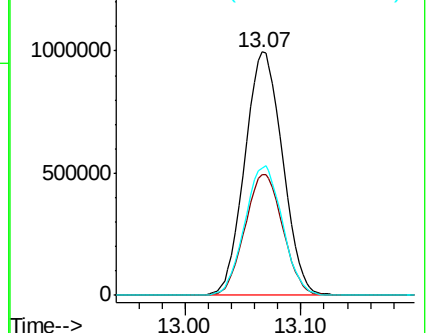
171 53.1 42.8 64.2



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: 10.357 ppbv

RT: 8.76 min Scan# 1857

Delta R.T. -0.00 min

Lab File: VL035713.D

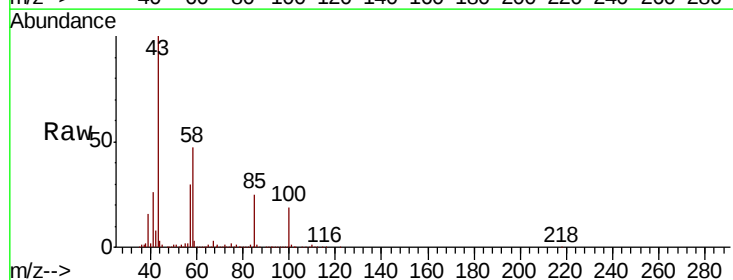
Acq: 23 Sep 2020 10:25

Tgt Ion: 43 Resp: 2310466

Ion Ratio Lower Upper

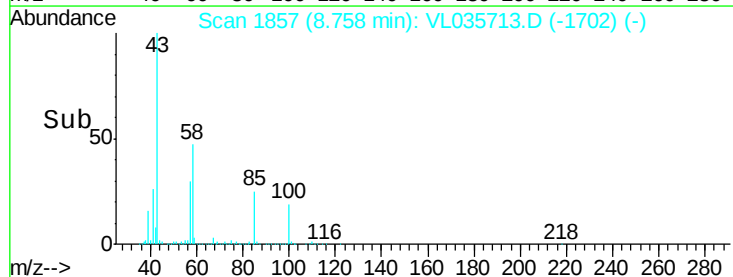
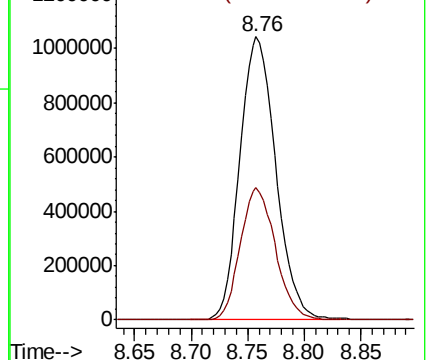
43 100

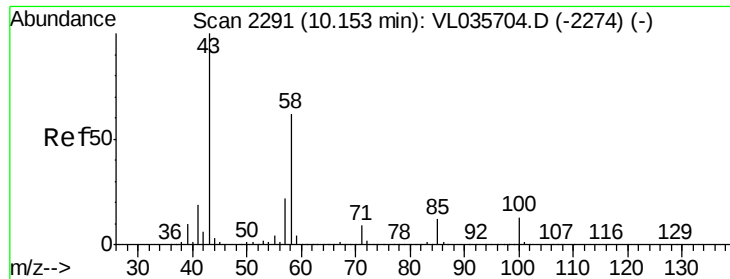
58 45.7 36.6 54.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 10.742 ppbv

RT: 10.15 min Scan# 2291

Delta R.T. -0.00 min

Lab File: VL035713.D

Acq: 23 Sep 2020 10:25

Instrument :

MSVOA_L

ClientSampleId :

VL0923ABS01

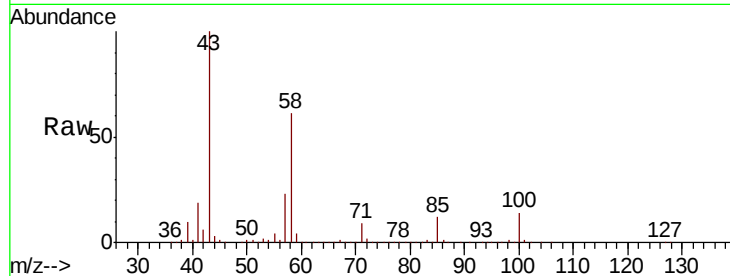
Tot Ion: 43 Resp: 1930614

Ion Ratio Lower Upper

43 100

58 61.1 48.7 73.1

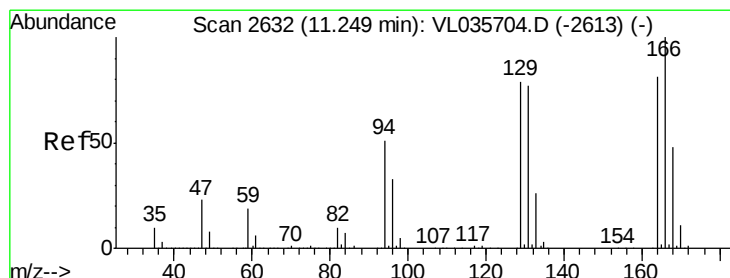
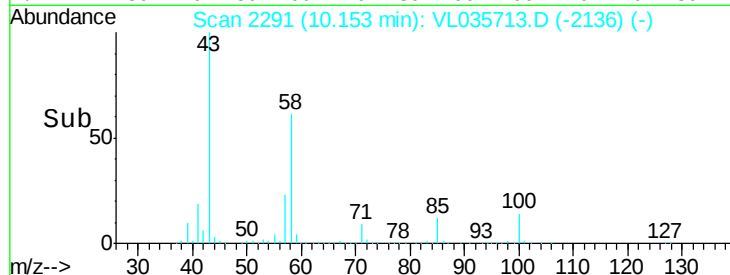
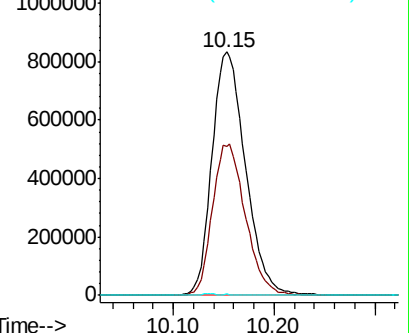
98 0.8 0.7 1.1



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: 10.116 ppbv

RT: 11.25 min Scan# 2631

Delta R.T. -0.00 min

Lab File: VL035713.D

Acq: 23 Sep 2020 10:25

Tgt Ion:164 Resp: 1463766

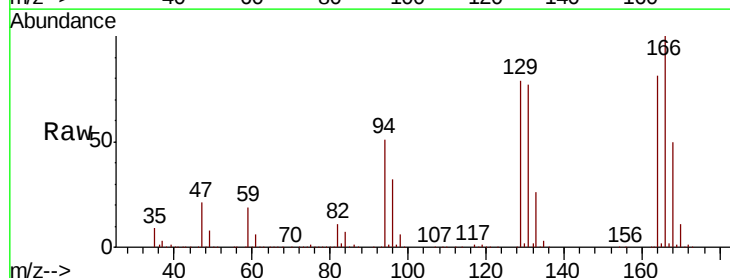
Ion Ratio Lower Upper

164 100

166 123.5 98.7 148.1

129 98.1 78.4 117.6

131 95.7 76.2 114.2

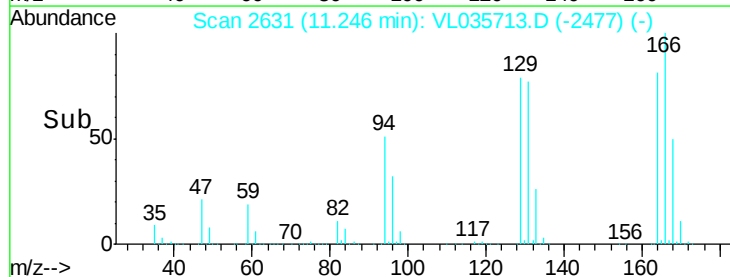
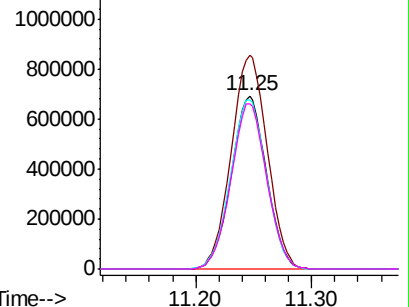


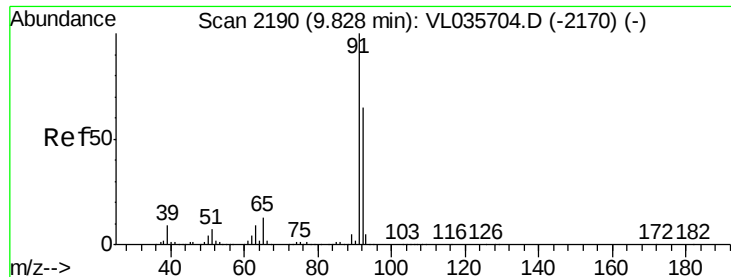
Abundance Ion 163.90 (163.60 to 164.60): V

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: 11.095 ppbv

RT: 9.83 min Scan# 2189

Delta R.T. -0.00 min

Lab File: VL035713.D

Acq: 23 Sep 2020 10:25

Instrument :

MSVOA_L

ClientSampleId :

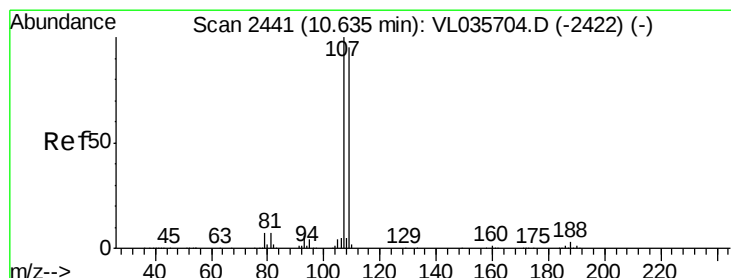
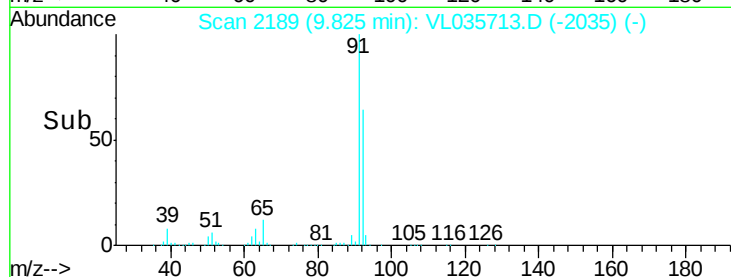
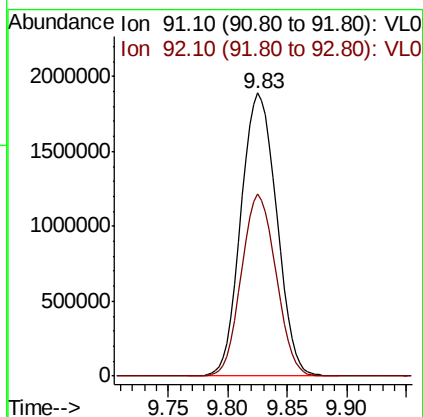
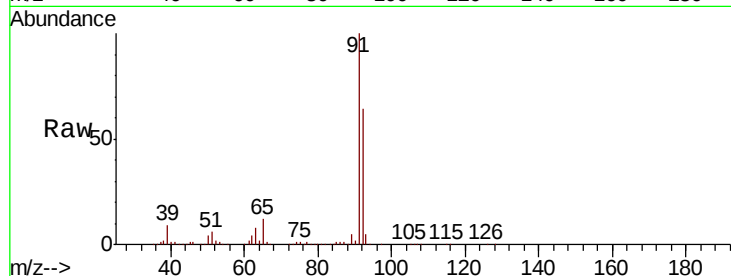
VL0923ABS01

Tot Ion: 91 Resp: 3936546

Ion Ratio Lower Upper

91 100

92 62.5 50.0 75.0



#54

1,2-Dibromoethane

Concen: 10.204 ppbv

RT: 10.63 min Scan# 2440

Delta R.T. -0.00 min

Lab File: VL035713.D

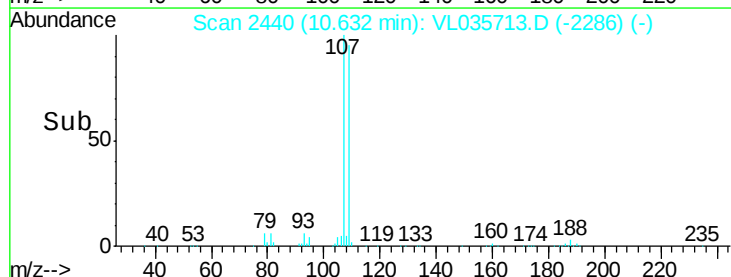
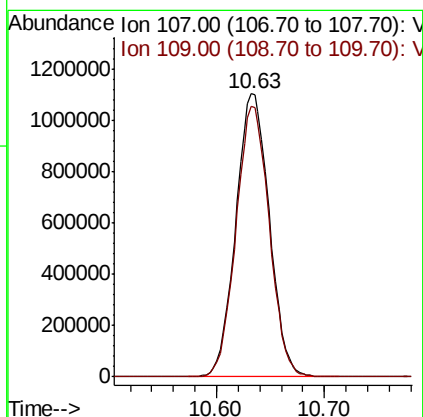
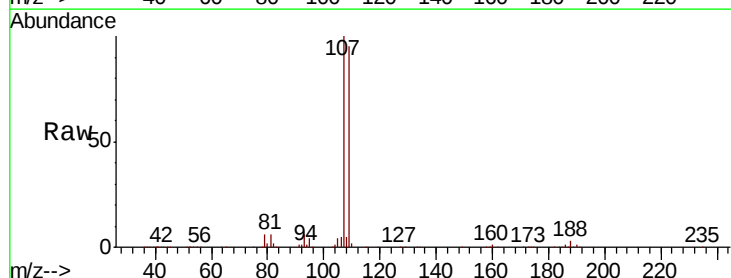
Acq: 23 Sep 2020 10:25

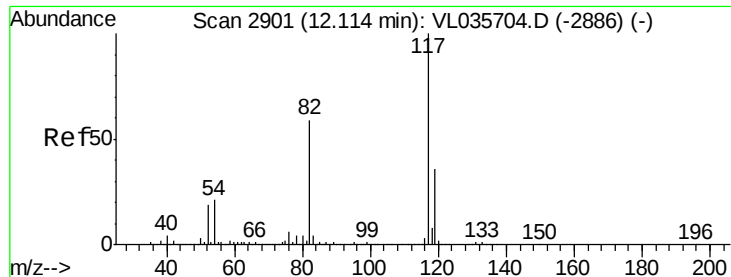
Tgt Ion: 107 Resp: 2386872

Ion Ratio Lower Upper

107 100

109 95.4 76.0 114.0

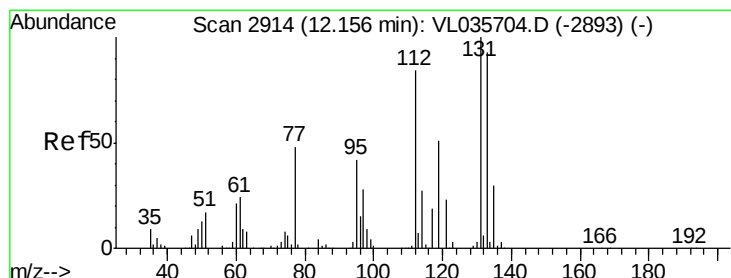
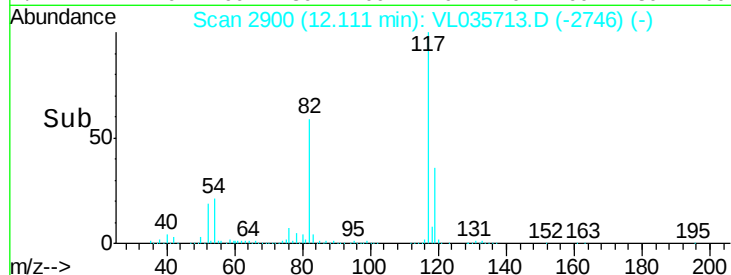
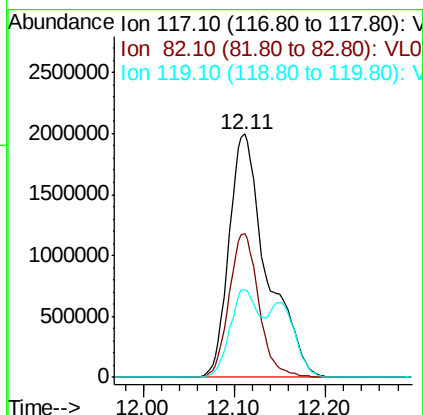
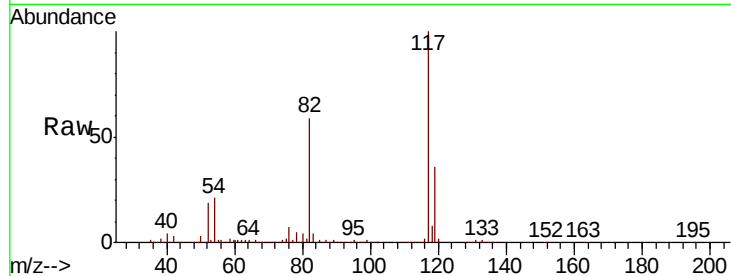




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2900
Delta R.T. -0.00 min
Lab File: VL035713.D
Acq: 23 Sep 2020 10:25

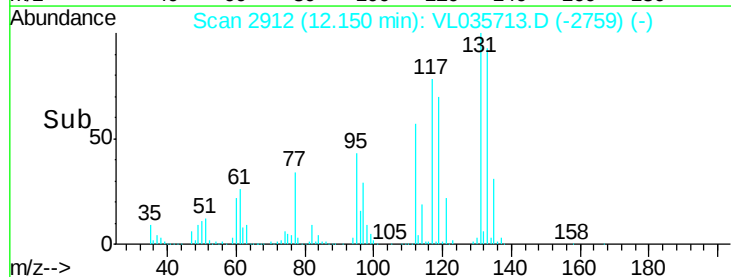
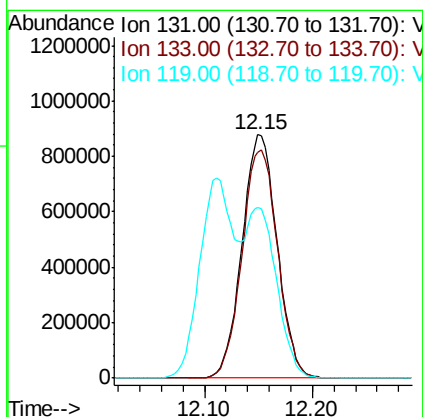
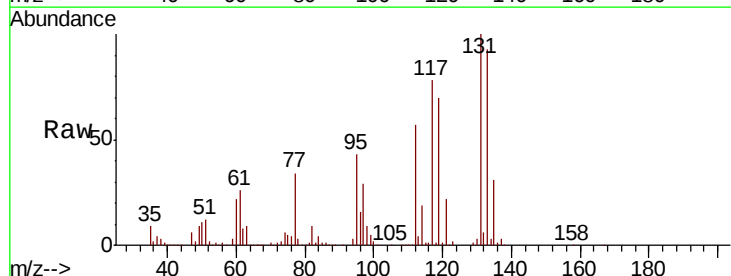
Instrument :
MSVOA_L
ClientSampleId :
VL0923ABS01

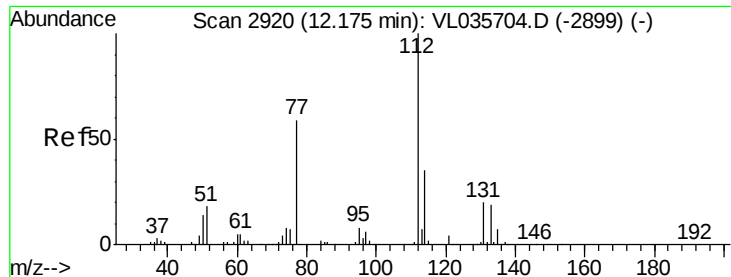
Tot Ion:117 Resp: 5781016
Ion Ratio Lower Upper
117 100
82 46.7 46.1 69.1
119 28.2 28.0 42.0



#56
1,1,1,2-Tetrachloroethane
Concen: 8.185 ppbv
RT: 12.15 min Scan# 2912
Delta R.T. -0.01 min
Lab File: VL035713.D
Acq: 23 Sep 2020 10:25

Tgt Ion:131 Resp: 1984057
Ion Ratio Lower Upper
131 100
133 95.4 76.2 114.4
119 57.5 52.4 78.6

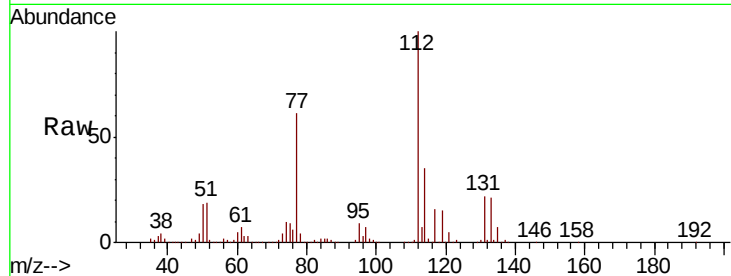




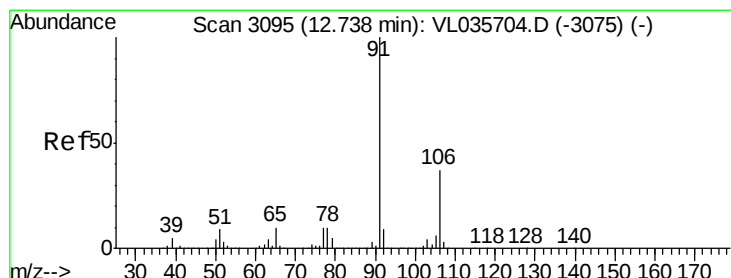
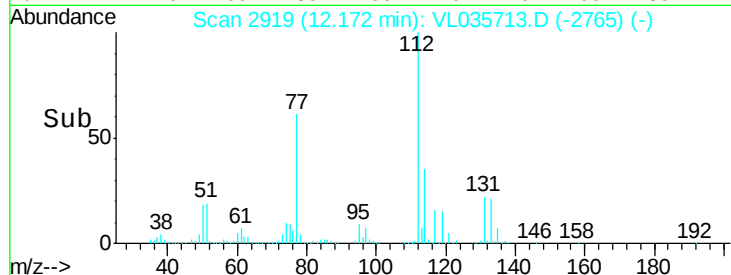
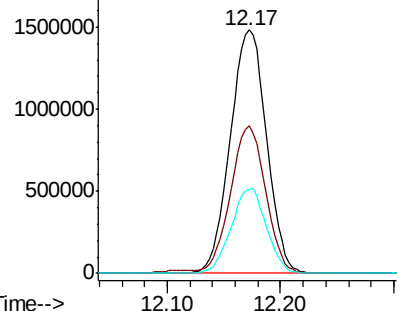
#57
Chlorobenzene
Concen: 7.587 ppbv
RT: 12.17 min Scan# 2919
Delta R.T. -0.00 min
Lab File: VL035713.D
Acq: 23 Sep 2020 10:25

Instrument :
MSVOA_L
ClientSampleId :
VL0923ABS01

Tot Ion:112 Resp: 3312853
Ion Ratio Lower Upper
112 100
77 60.4 48.2 72.2
114 34.5 31.9 39.1

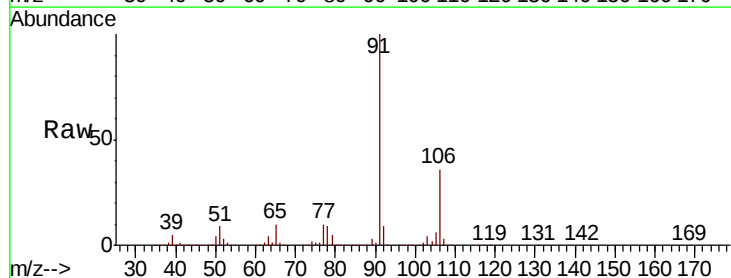


Abundance Ion 112.10 (111.80 to 112.80): V
2000000 Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

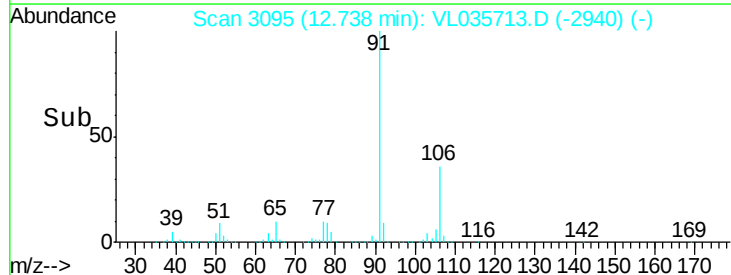
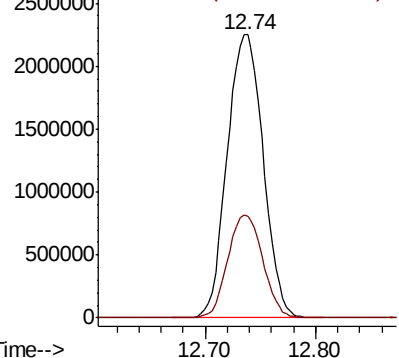


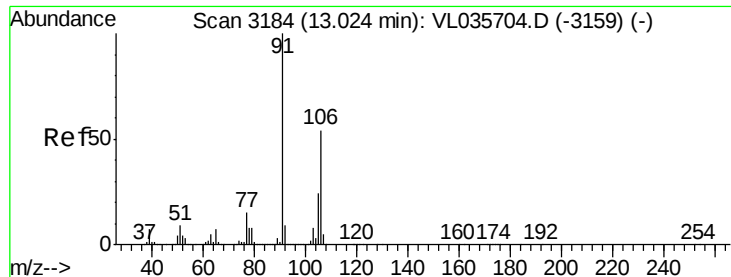
#58
Ethyl Benzene
Concen: 8.785 ppbv
RT: 12.74 min Scan# 3095
Delta R.T. -0.00 min
Lab File: VL035713.D
Acq: 23 Sep 2020 10:25

Tgt Ion: 91 Resp: 5097421
Ion Ratio Lower Upper
91 100
106 36.1 29.7 44.5



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





#59

m/p-Xylene

Concen: 9.755 ppbv

RT: 13.02 min Scan# 3183

Delta R.T. -0.00 min

Lab File: VL035713.D

Acq: 23 Sep 2020 10:25

Instrument :

MSVOA_L

ClientSampleId :

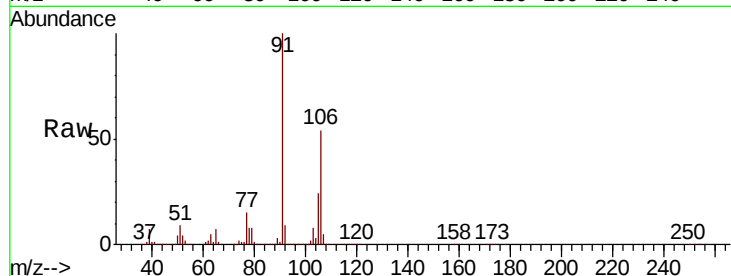
VL0923ABS01

Tot Ion: 91 Resp: 4943254

Ion Ratio Lower Upper

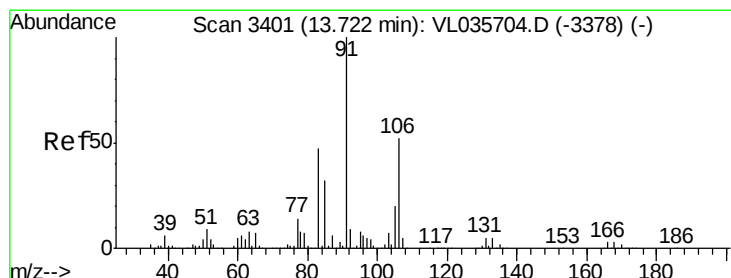
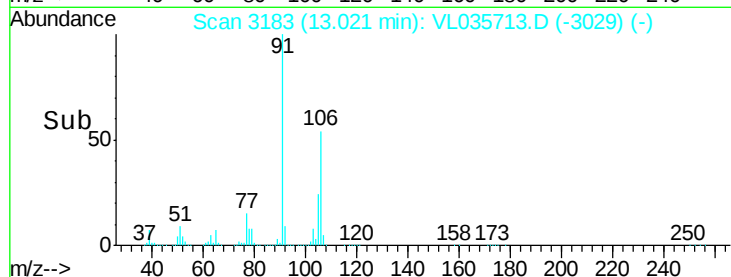
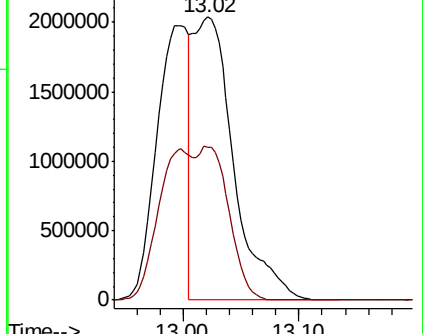
91 100

106 88.4 41.4 62.0#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#60

o-Xylene

Concen: 8.338 ppbv

RT: 13.72 min Scan# 3400

Delta R.T. -0.00 min

Lab File: VL035713.D

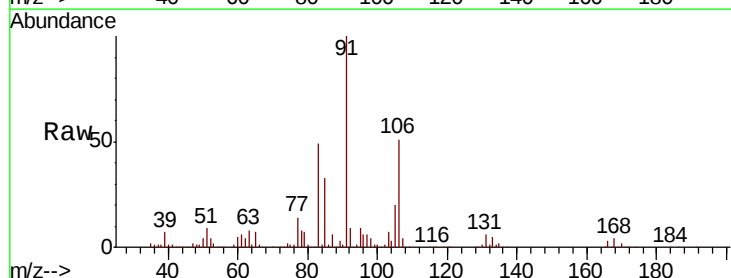
Acq: 23 Sep 2020 10:25

Tgt Ion: 91 Resp: 4273688

Ion Ratio Lower Upper

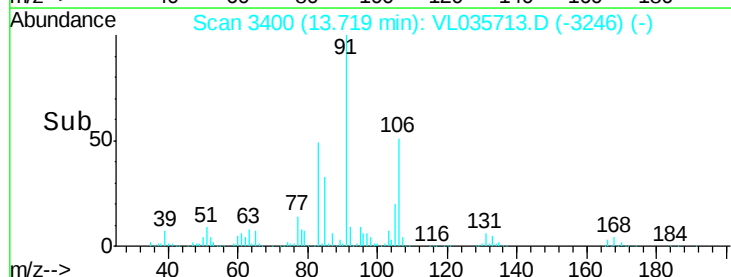
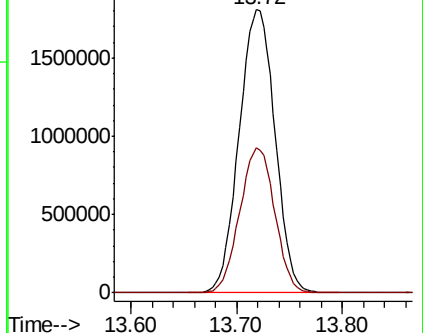
91 100

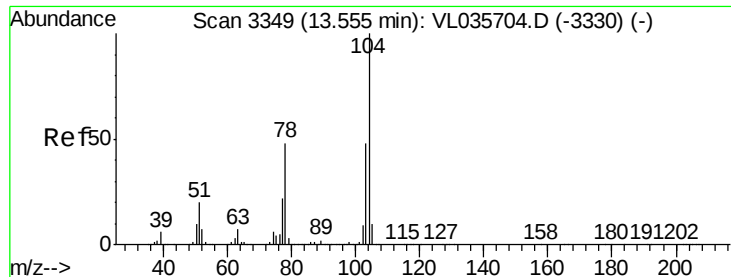
106 50.1 25.0 75.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#61

Stvrene

Concen: 9.406 ppbv

RT: 13.55 min Scan# 3348

Delta R.T. -0.00 min

Lab File: VL035713.D

Acq: 23 Sep 2020 10:25

Instrument :

MSVOA_L

ClientSampleId :

VL0923ABS01

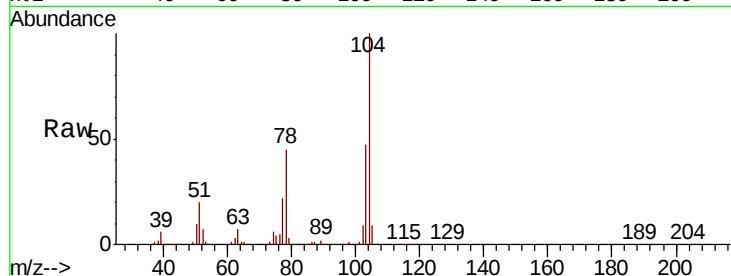
Tot Ion:104 Resp: 3333775

Ion Ratio Lower Upper

104 100

78 46.1 37.2 55.8

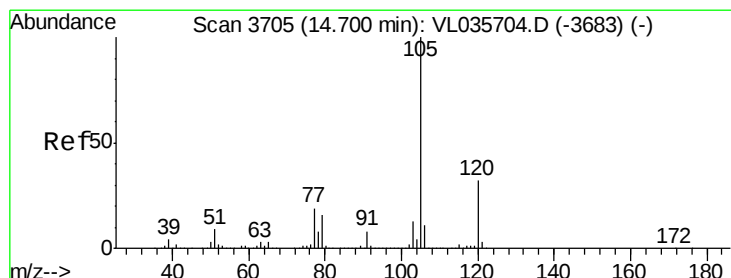
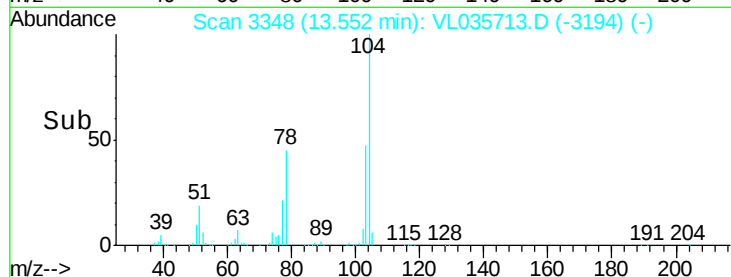
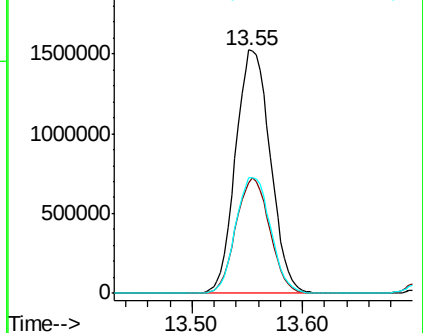
103 47.7 38.2 57.2



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VLO

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 8.059 ppbv

RT: 14.70 min Scan# 3704

Delta R.T. -0.00 min

Lab File: VL035713.D

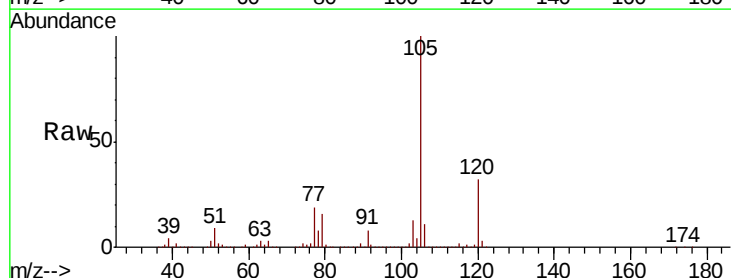
Acq: 23 Sep 2020 10:25

Tgt Ion:105 Resp: 6407131

Ion Ratio Lower Upper

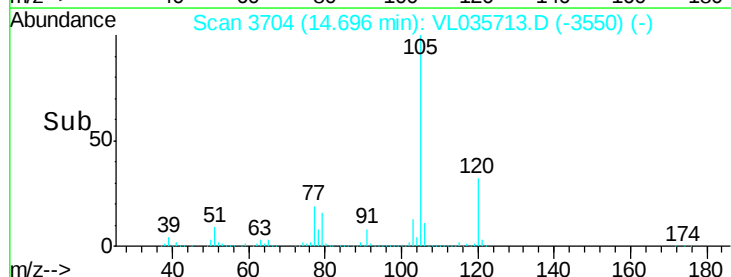
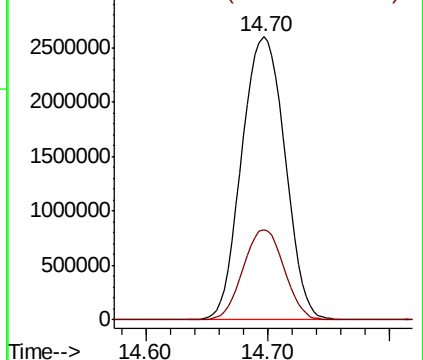
105 100

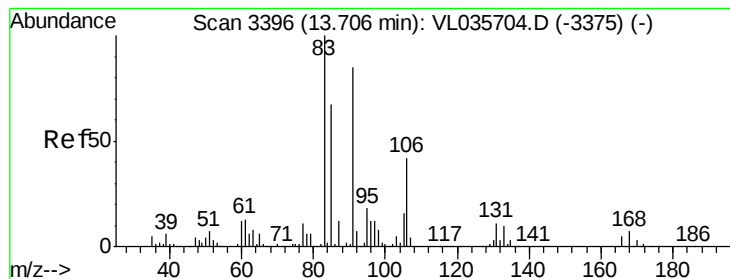
120 30.1 24.1 36.1



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: 7.404 ppbv

RT: 13.70 min Scan# 3395

Delta R.T. -0.00 min

Lab File: VL035713.D

Acq: 23 Sep 2020 10:25

Instrument :

MSVOA_L

ClientSampleId :

VL0923ABS01

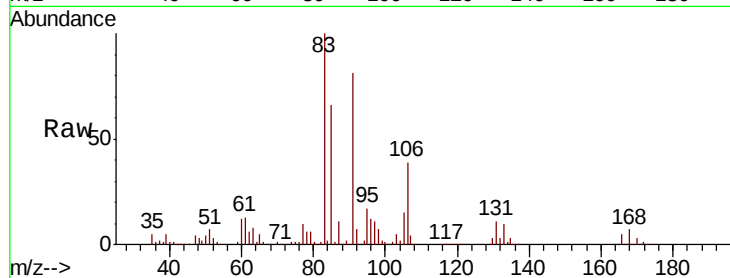
Tot Ion: 83 Resp: 3112173

Ion Ratio Lower Upper

83 100

131 10.6 5.3 16.1

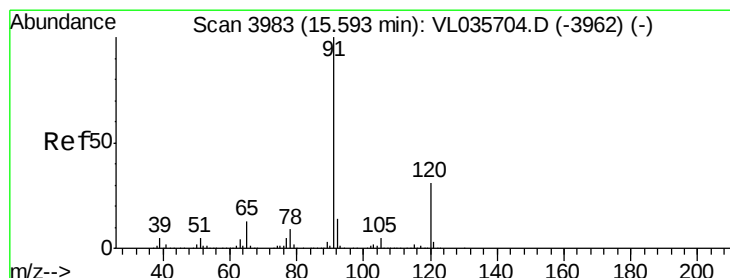
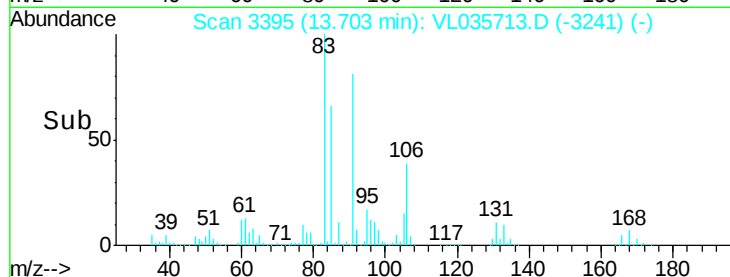
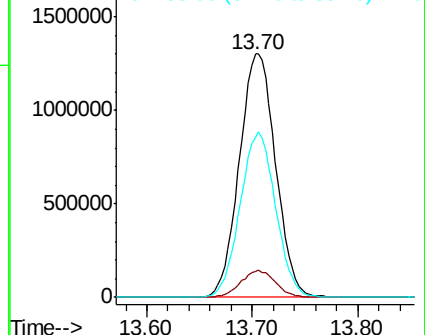
85 66.6 33.4 100.2



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: 8.443 ppbv

RT: 15.59 min Scan# 3982

Delta R.T. -0.00 min

Lab File: VL035713.D

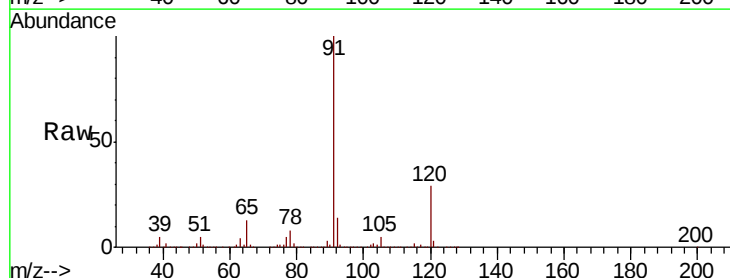
Acq: 23 Sep 2020 10:25

Tgt Ion:120 Resp: 1964579

Ion Ratio Lower Upper

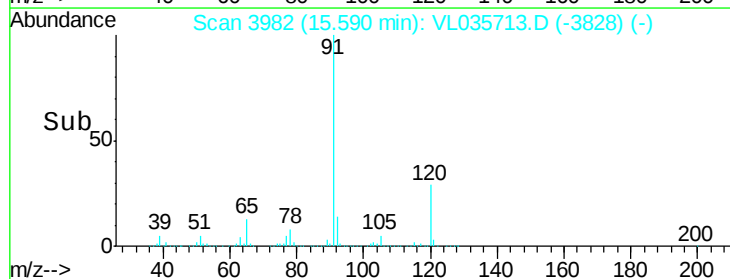
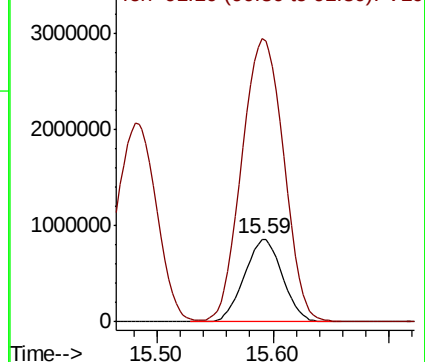
120 100

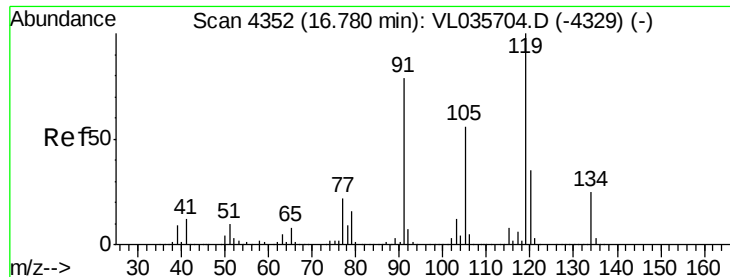
91 378.1 300.4 450.6



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

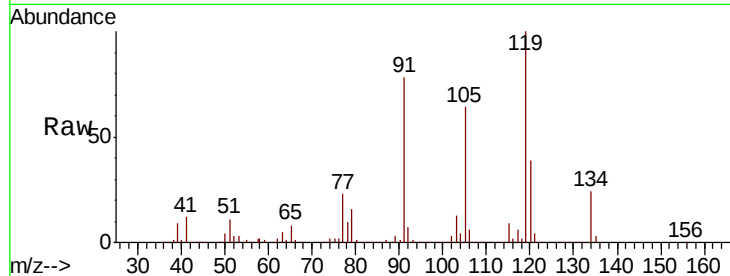




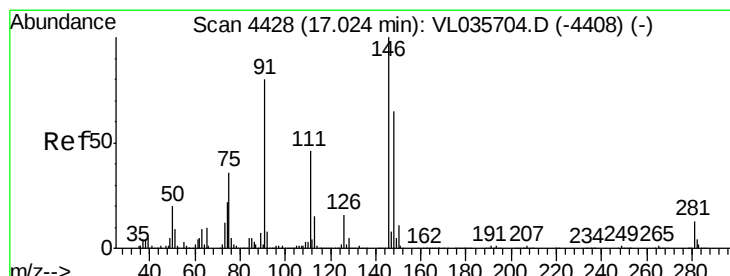
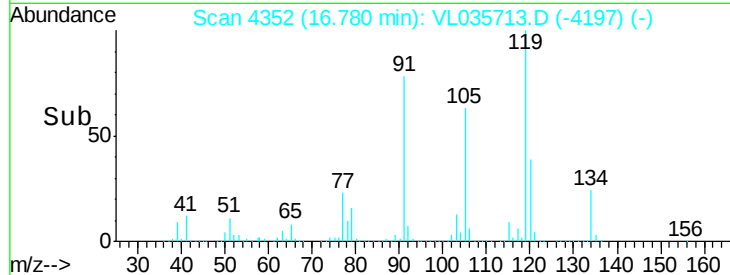
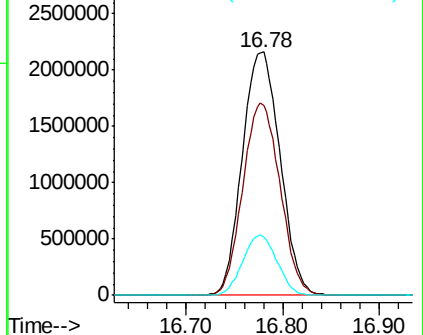
#65
 tert-Butylbenzene
 Concen: 8.126 ppbv
 RT: 16.78 min Scan# 4352
 Delta R.T. -0.00 min
 Lab File: VL035713.D
 Acq: 23 Sep 2020 10:25

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0923ABS01

Tot Ion:119 Resp: 5873818
 Ion Ratio Lower Upper
 119 100
 91 77.8 62.4 93.6
 134 22.5 18.2 27.2

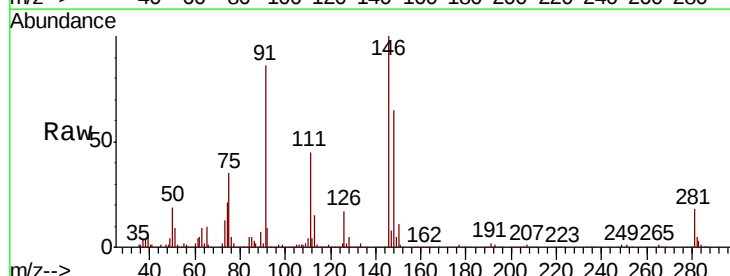


Abundance Ion 119.20 (118.90 to 119.90): V
 Ion 91.10 (90.80 to 91.80): VL0
 Ion 134.20 (133.90 to 134.90): V

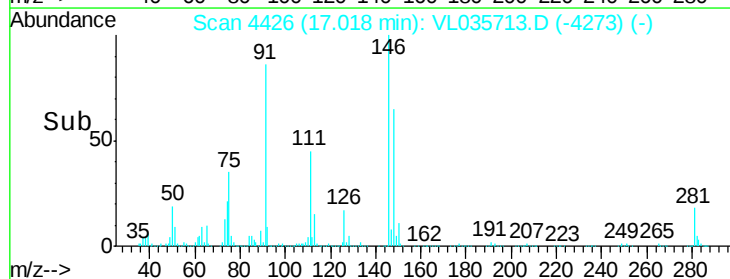
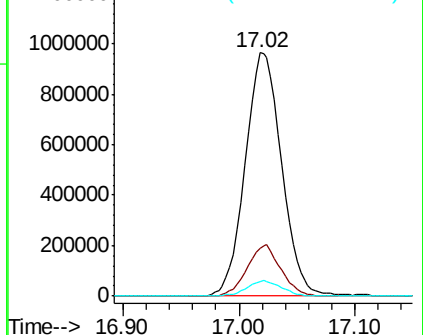


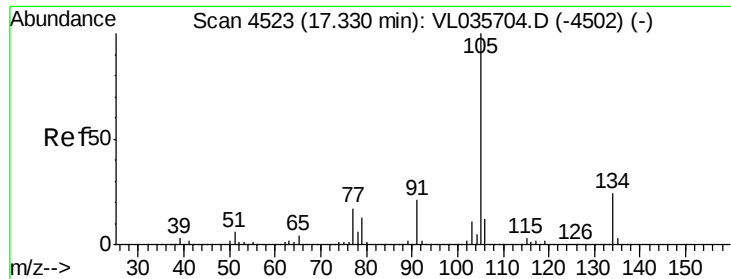
#66
 Benzyl Chloride
 Concen: 9.597 ppbv
 RT: 17.02 min Scan# 4426
 Delta R.T. -0.01 min
 Lab File: VL035713.D
 Acq: 23 Sep 2020 10:25

Tgt Ion: 91 Resp: 2101894
 Ion Ratio Lower Upper
 91 100
 126 19.5 15.3 22.9
 128 6.1 5.0 7.4



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

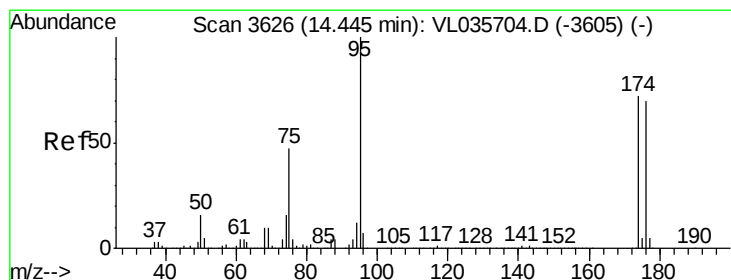
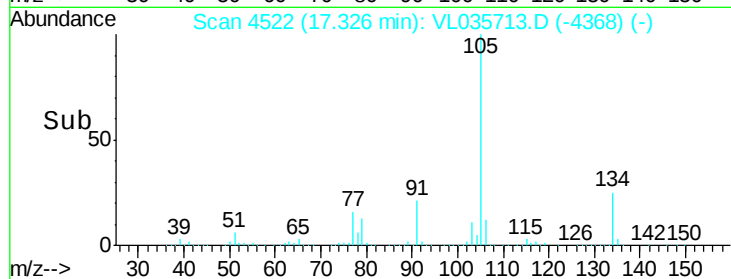
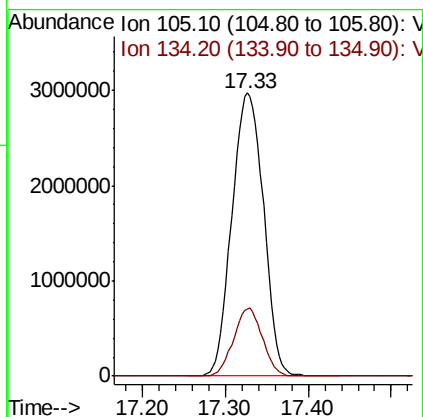
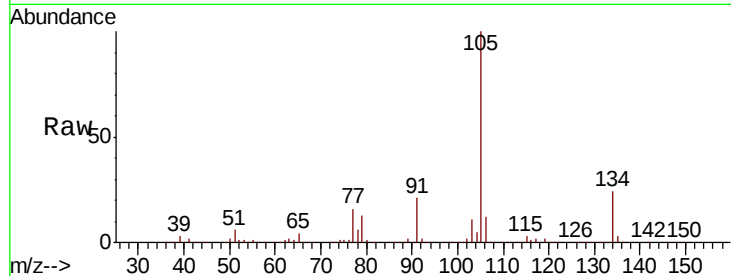




#67
 sec-Butylbenzene
 Concen: 7.884 ppbv
 RT: 17.33 min Scan# 4522
 Delta R.T. -0.00 min
 Lab File: VL035713.D
 Acq: 23 Sep 2020 10:25

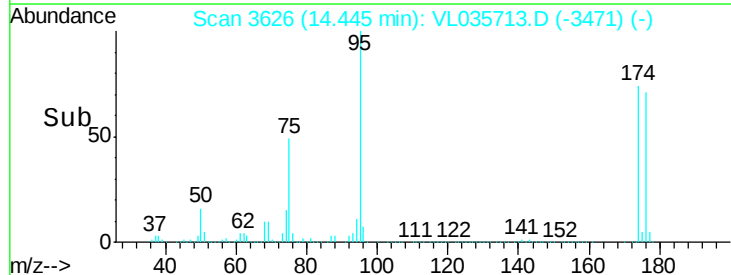
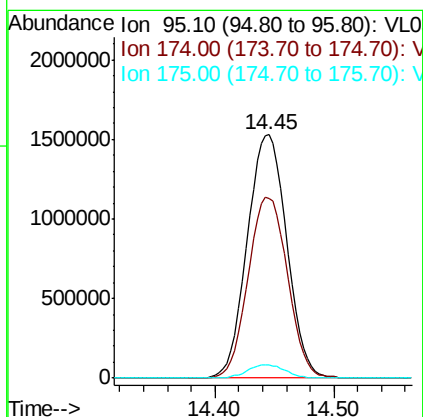
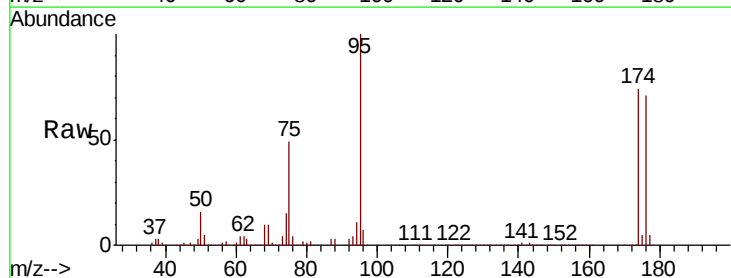
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0923ABS01

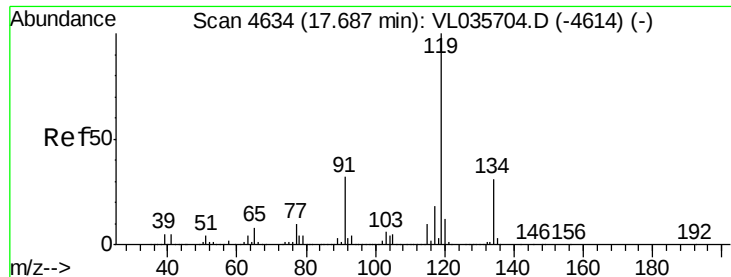
Tot Ion:105 Resp: 7869911
 Ion Ratio Lower Upper
 105 100
 134 21.9 17.6 26.4



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.103 ppbv
 RT: 14.45 min Scan# 3626
 Delta R.T. -0.00 min
 Lab File: VL035713.D
 Acq: 23 Sep 2020 10:25

Tgt Ion: 95 Resp: 3510012
 Ion Ratio Lower Upper
 95 100
 174 74.6 59.6 89.4
 175 5.3 4.2 6.4

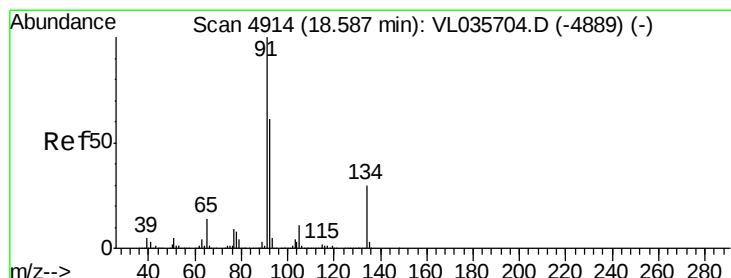
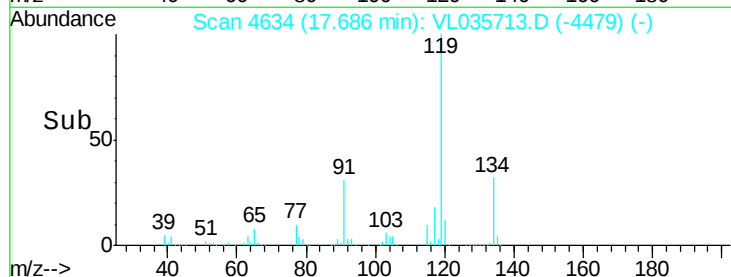
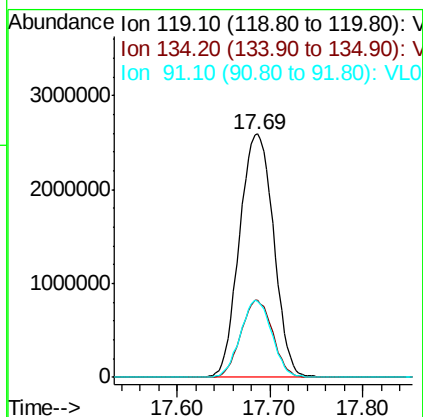
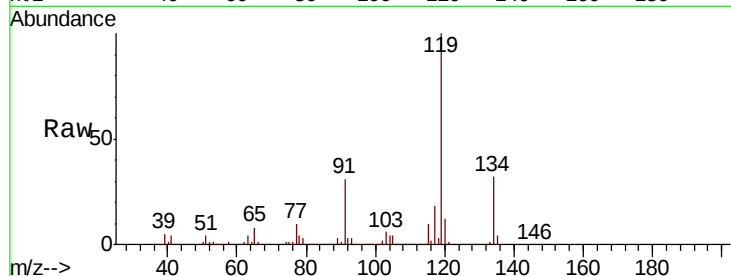




#69
p-Isopropyltoluene
Concen: 8.141 ppbv
RT: 17.69 min Scan# 4634
Delta R.T. -0.00 min
Lab File: VL035713.D
Acq: 23 Sep 2020 10:25

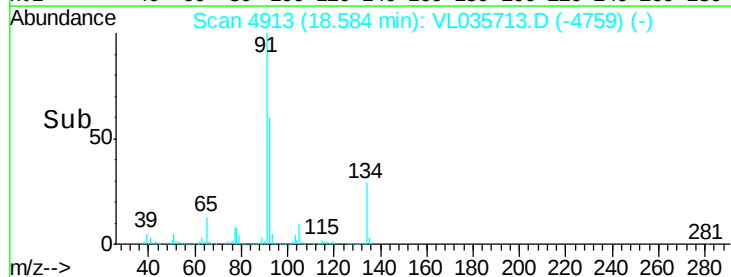
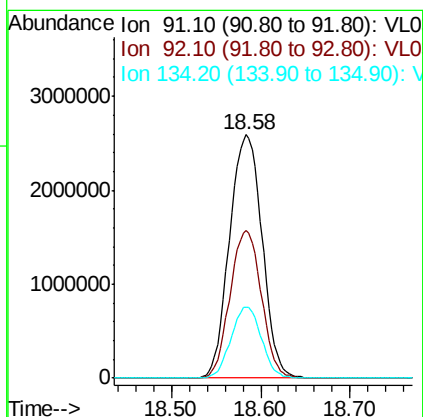
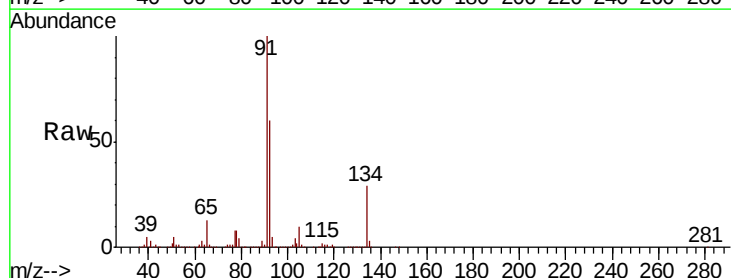
Instrument :
MSVOA_L
ClientSampleId :
VL0923ABS01

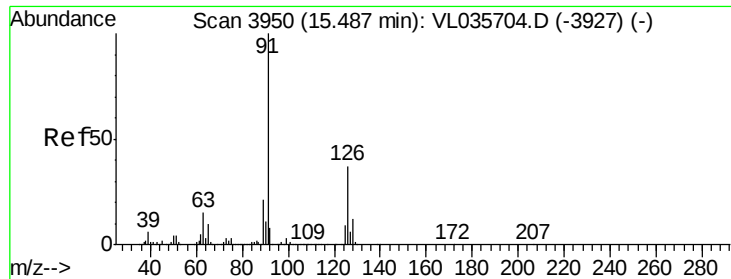
Tot Ion:119 Resp: 6611181
Ion Ratio Lower Upper
119 100
134 29.7 23.9 35.9
91 29.3 23.8 35.6



#70
n-Butylbenzene
Concen: 7.852 ppbv
RT: 18.58 min Scan# 4913
Delta R.T. -0.00 min
Lab File: VL035713.D
Acq: 23 Sep 2020 10:25

Tgt Ion: 91 Resp: 6566713
Ion Ratio Lower Upper
91 100
92 58.3 47.0 70.4
134 27.3 21.9 32.9

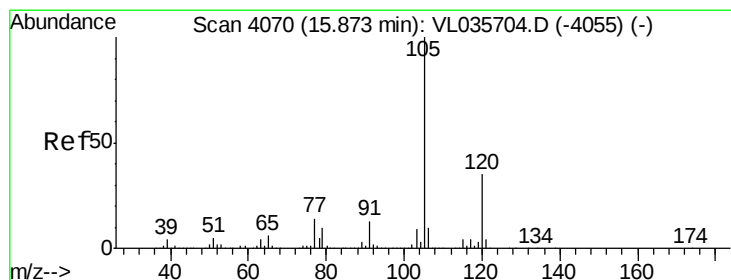
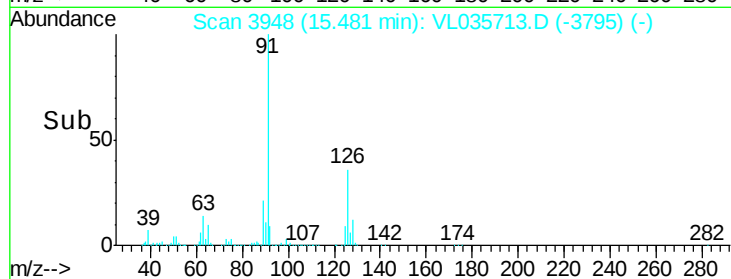
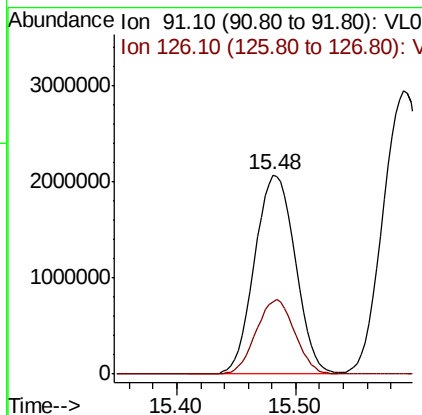
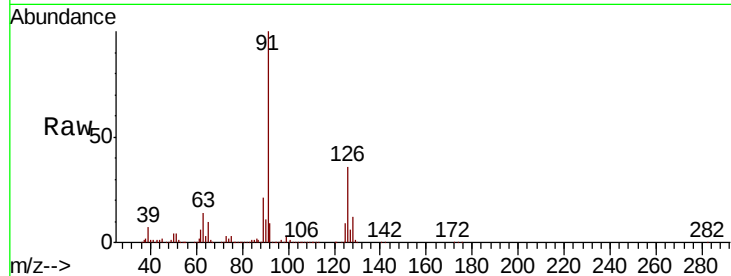




#71
 2-Chlorotoluene
 Concen: 8.448 ppbv
 RT: 15.48 min Scan# 3948
 Delta R.T. -0.01 min
 Lab File: VL035713.D
 Acq: 23 Sep 2020 10:25

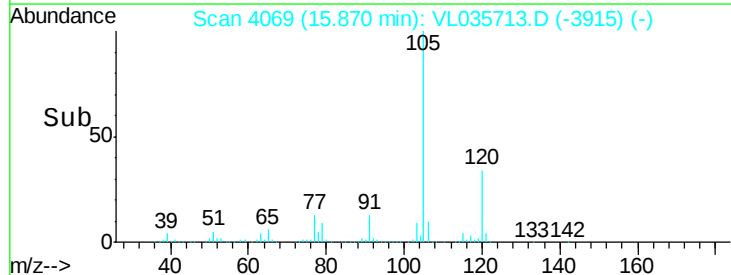
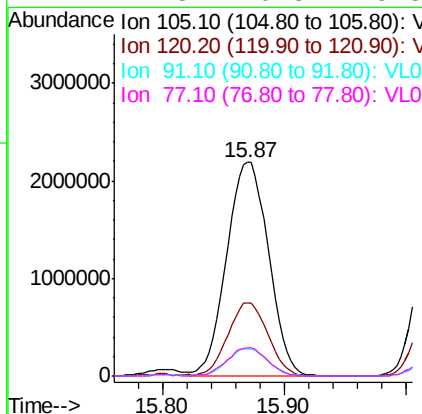
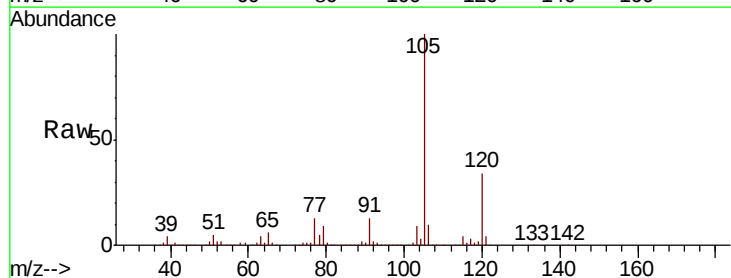
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0923ABS01

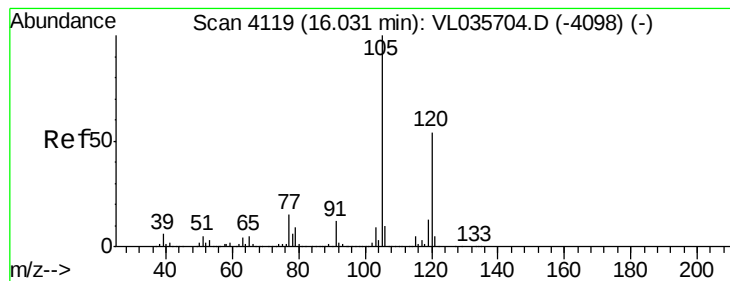
Tot Ion: 91 Resp: 4899093
 Ion Ratio Lower Upper
 91 100
 126 35.7 14.4 57.4



#72
 4-Ethyltoluene
 Concen: 8.587 ppbv
 RT: 15.87 min Scan# 4069
 Delta R.T. -0.00 min
 Lab File: VL035713.D
 Acq: 23 Sep 2020 10:25

Tgt Ion:105 Resp: 5214369
 Ion Ratio Lower Upper
 105 100
 120 32.8 26.5 39.7
 91 12.5 10.2 15.2
 77 12.8 10.3 15.5





#73

1,3,5-Trimethylbenzene

Concen: 8.427 ppbv

RT: 16.03 min Scan# 4118

Delta R.T. -0.00 min

Lab File: VL035713.D

Acq: 23 Sep 2020 10:25

Instrument :

MSVOA_L

ClientSampleId :

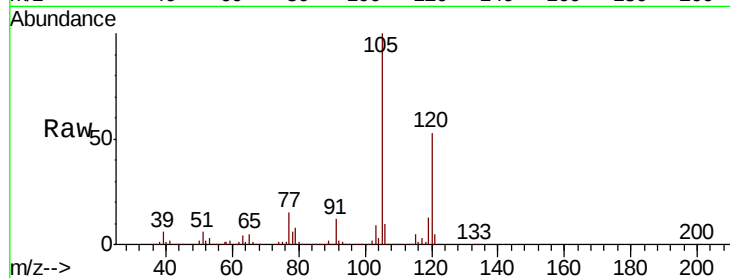
VL0923ABS01

Tot Ion:105 Resp: 4835540

Ion Ratio Lower Upper

105 100

120 52.8 43.0 64.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

16.03

2000000

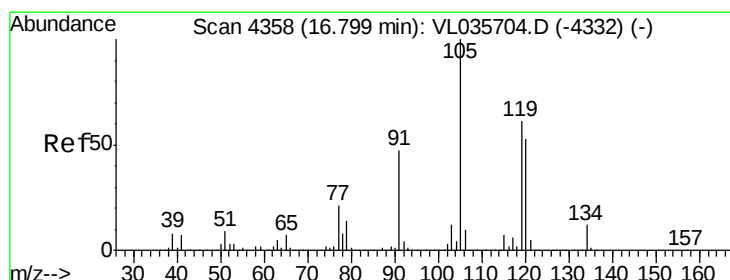
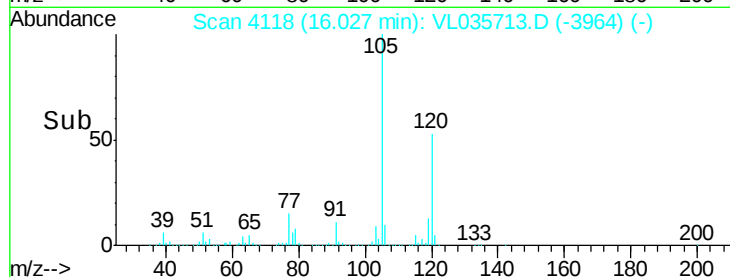
1500000

1000000

500000

0

Time--> 15.90 16.00 16.10



#74

1,2,4-Trimethylbenzene

Concen: 7.785 ppbv

RT: 16.80 min Scan# 4357

Delta R.T. -0.00 min

Lab File: VL035713.D

Acq: 23 Sep 2020 10:25

Tgt Ion:105 Resp: 5035381

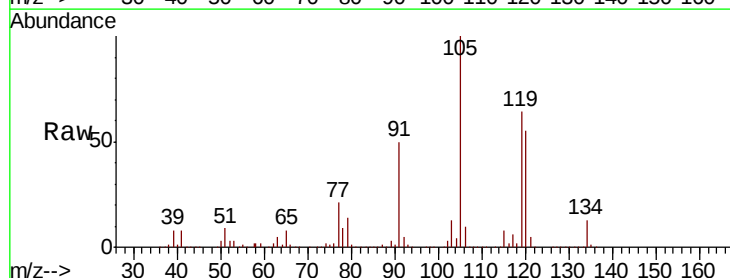
Ion Ratio Lower Upper

105 100

120 54.8 42.5 63.7

91 50.1 37.7 56.5

77 21.3 16.7 25.1



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): V

Ion 77.10 (76.80 to 77.80): V

3000000

2500000

2000000

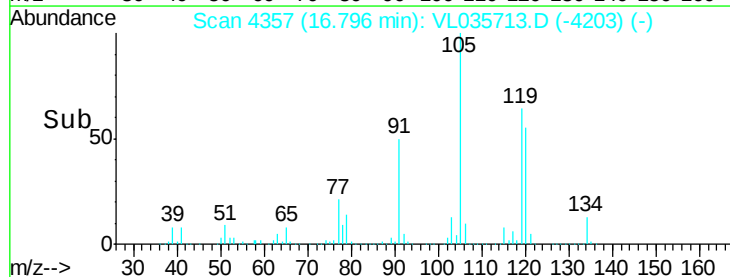
1500000

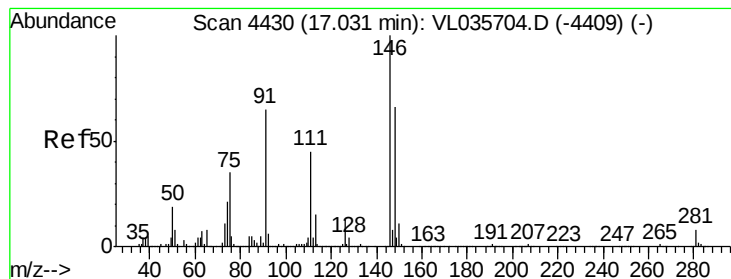
1000000

500000

0

Time--> 16.70 16.80 16.90





#75

1,3-Dichlorobenzene

Concen: 7.537 ppbv

RT: 17.03 min Scan# 4429

Delta R.T. -0.00 min

Lab File: VL035713.D

Acq: 23 Sep 2020 10:25

Instrument :

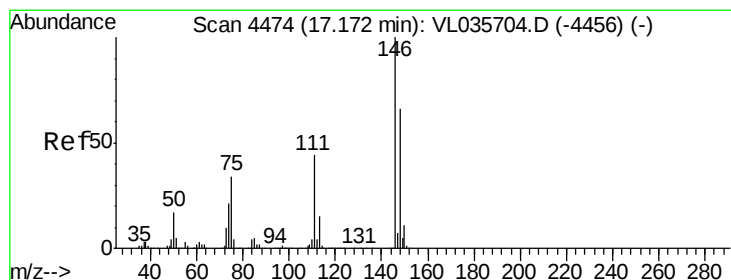
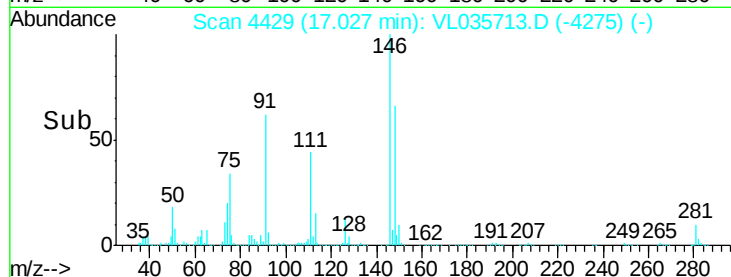
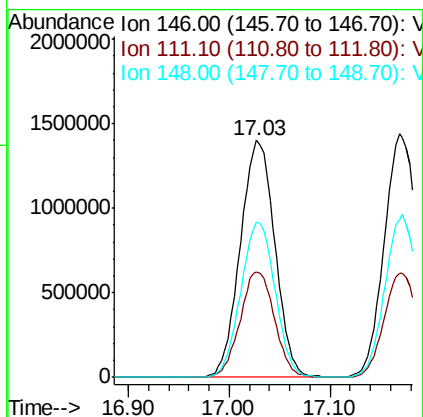
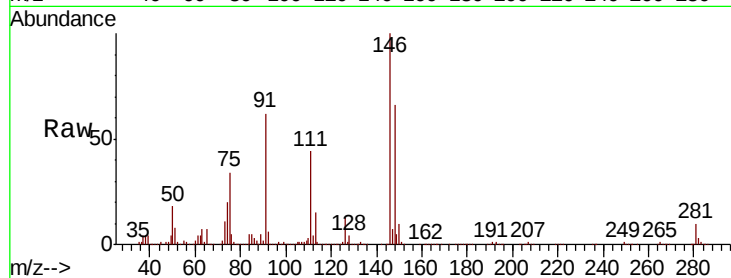
MSVOA_L

ClientSampleId :

VL0923ABS01

Tot Ion:146 Resp: 3328466

Ion	Ratio	Lower	Upper
146	100		
111	44.2	22.4	67.0
148	65.1	33.0	99.0



#76

1,4-Dichlorobenzene

Concen: 7.845 ppbv

RT: 17.17 min Scan# 4473

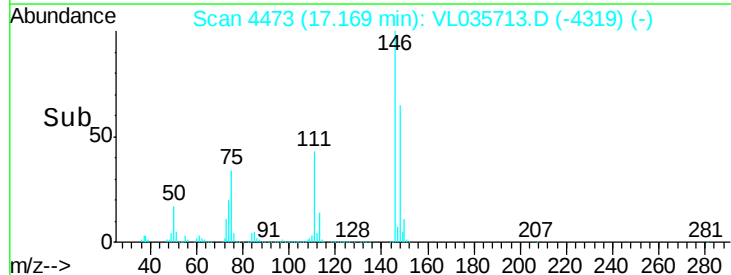
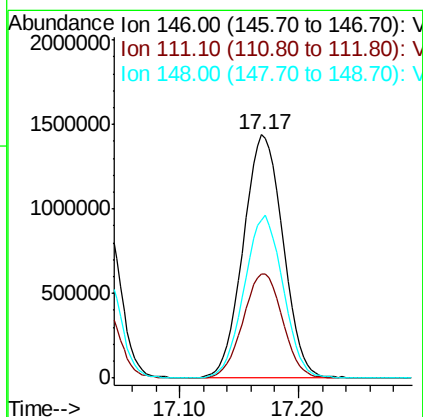
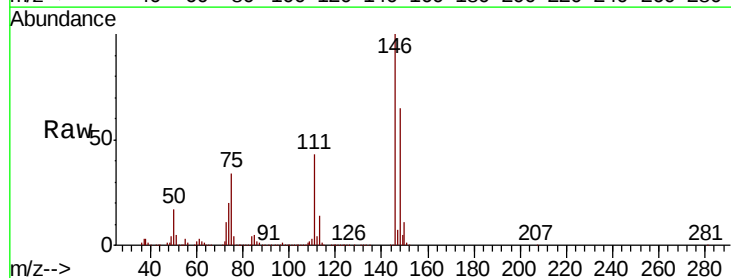
Delta R.T. -0.00 min

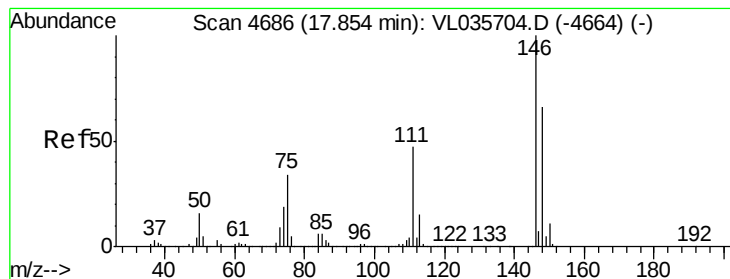
Lab File: VL035713.D

Acq: 23 Sep 2020 10:25

Tgt Ion:146 Resp: 3311473

Ion	Ratio	Lower	Upper
146	100		
111	43.1	21.4	64.3
148	66.0	32.6	98.0





#77

1,2-Dichlorobenzene

Concen: 7.775 ppbv

RT: 17.85 min Scan# 4684

Delta R.T. -0.01 min

Lab File: VL035713.D

Acq: 23 Sep 2020 10:25

Instrument :

MSVOA_L

ClientSampleId :

VL0923ABS01

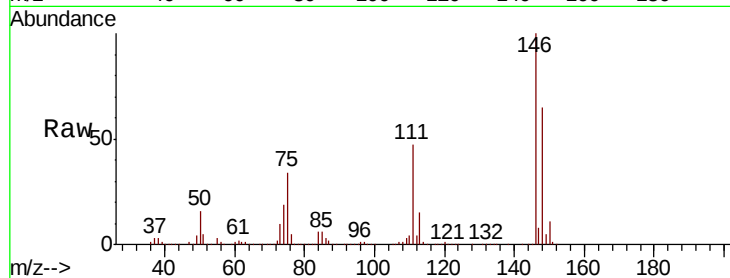
Tot Ion:146 Resp: 3243065

Ion Ratio Lower Upper

146 100

111 45.4 22.9 68.5

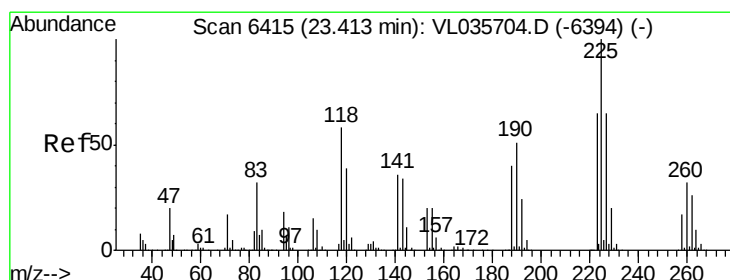
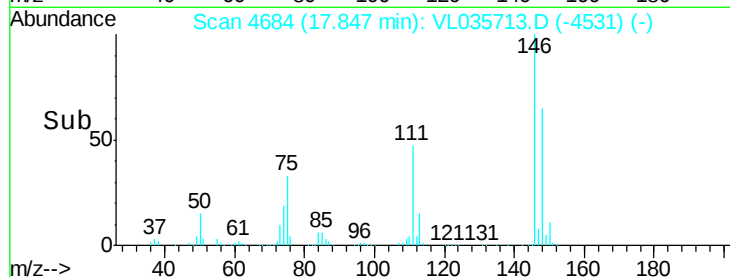
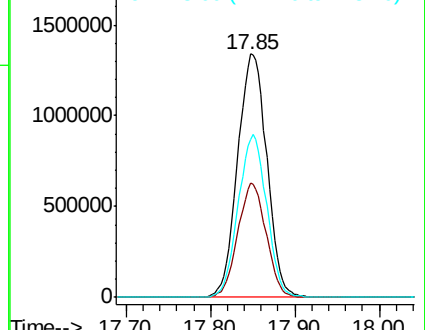
148 65.2 32.6 98.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 7.554 ppbv

RT: 23.41 min Scan# 6415

Delta R.T. -0.00 min

Lab File: VL035713.D

Acq: 23 Sep 2020 10:25

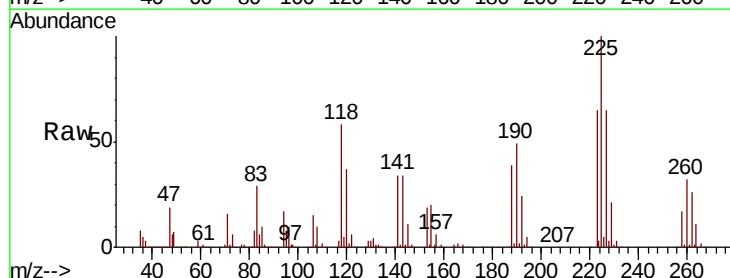
Tgt Ion:225 Resp: 1738311

Ion Ratio Lower Upper

225 100

223 64.3 51.3 76.9

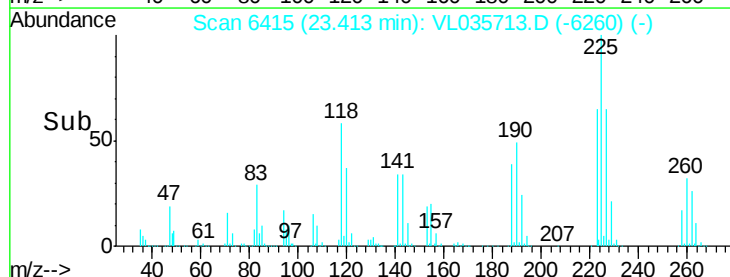
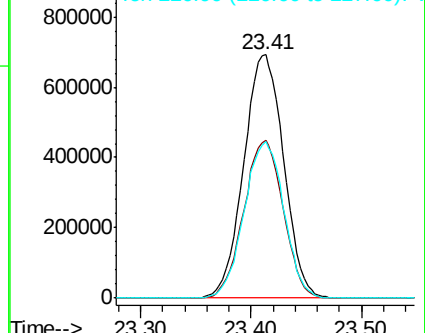
227 64.0 51.6 77.4

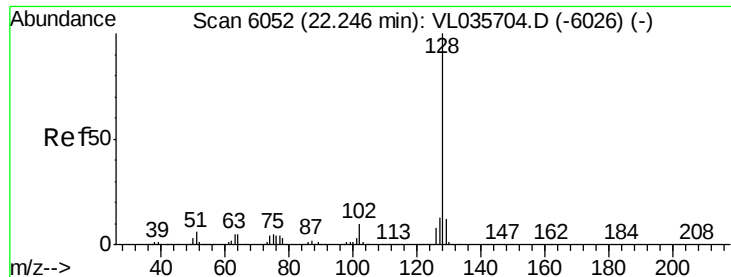


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 7.851 ppbv

RT: 22.24 min Scan# 6050

Delta R.T. -0.01 min

Lab File: VL035713.D

Acq: 23 Sep 2020 10:25

Instrument :

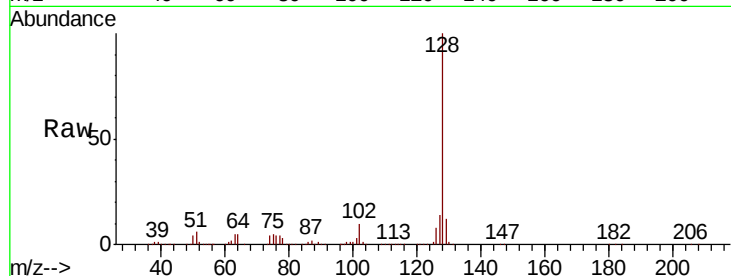
MSVOA_L

ClientSampleId :

VL0923ABS01

Tot Ion:128 Resp: 4843823

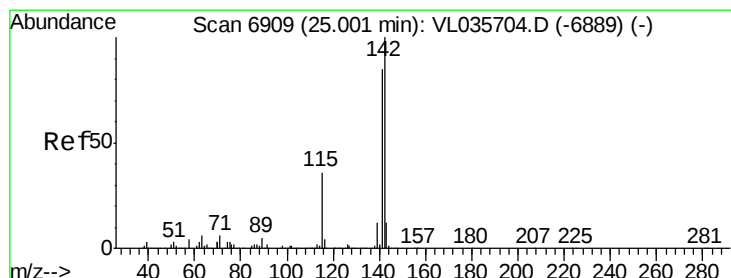
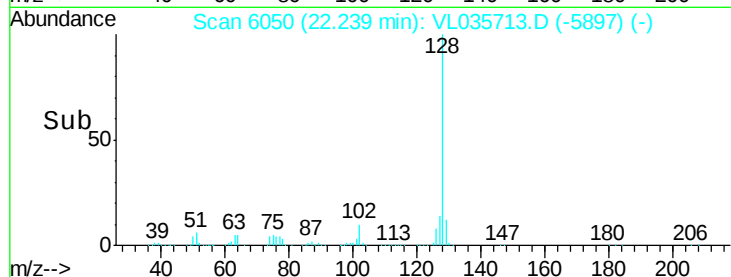
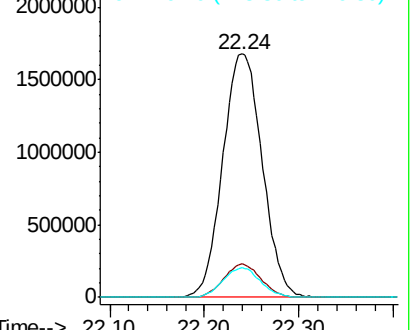
Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.6	15.8
129	12.3	9.4	14.0



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: 8.701 ppbv

RT: 25.00 min Scan# 6909

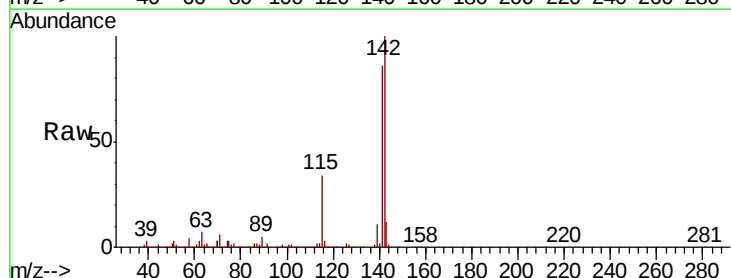
Delta R.T. -0.00 min

Lab File: VL035713.D

Acq: 23 Sep 2020 10:25

Tgt Ion:142 Resp: 1266152

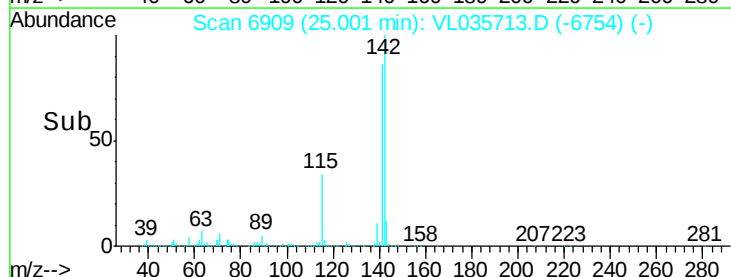
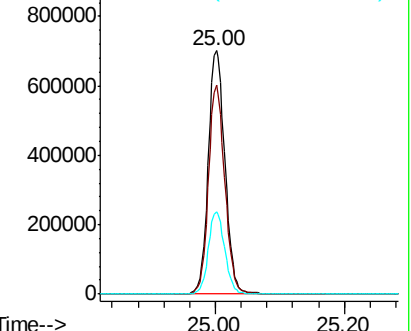
Ion	Ratio	Lower	Upper
142	100		
141	84.4	68.2	102.4
115	33.5	27.8	41.6



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: 7.861 ppbv

RT: 21.97 min Scan# 5966

Delta R.T. -0.00 min

Lab File: VL035713.D

Acq: 23 Sep 2020 10:25

Instrument :

MSVOA_L

ClientSampleId :

VL0923ABS01

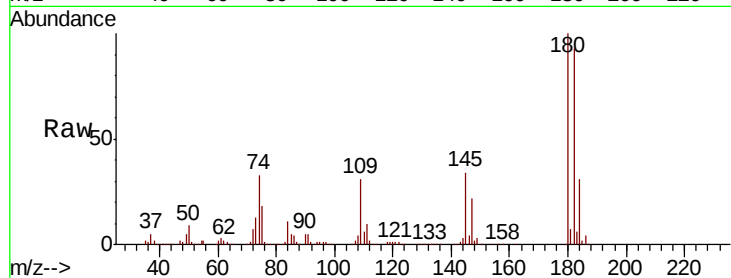
Tot Ion:180 Resp: 2513290

Ion Ratio Lower Upper

180 100

182 95.1 76.2 114.2

184 31.0 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

