

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL072320\
 Data File : VL035231.D
 Acq On : 23 Jul 2020 17:20
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jul 24 05:57:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL070820AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 08 07:05:23 2020
 QLast Update : Wed Jul 08 07:05:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1325338	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3150605	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	3039749	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	2475495	10.02	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.20%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.01	85	1362432	7.335	ppbv 99
3) Chlorodifluoromethane	2.94	51	1379424	9.423	ppbv 100
4) Chloromethane	3.10	50	800043	9.696	ppbv 98
5) Vinyl Chloride	3.21	62	812624	9.217	ppbv 100
6) Bromomethane	3.43	94	512432	10.240	ppbv 93
7) Chloroethane	3.52	64	305397	9.798	ppbv 91
8) Dichlorotetrafluoroethane	3.14	85	1888232	9.275	ppbv 100
9) Propene	2.97	41	546411	9.876	ppbv 99
10) Heptane	8.13	43	1620452	11.409	ppbv 99
11) Trichlorofluoromethane	3.92	101	2062526	9.833	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1432234	9.723	ppbv 99
13) Ethanol	3.57	45	137981	7.833	ppbv 98
14) Bromoethene	3.70	108	626283	10.331	ppbv 99
15) Acetone	3.82	43	1579224	8.801	ppbv 99
16) 1,3-Butadiene	3.29	39	730459	10.606	ppbv 99
17) tert-Butyl alcohol	4.26	59	1705121	10.740	ppbv 99
18) 1,1-Dichloroethene	4.26	96	669926	10.272	ppbv 98
19) Isopropyl Alcohol	3.93	45	1111997	10.273	ppbv 100
20) Methylene Chloride	4.32	84	635680	8.142	ppbv 98
21) Allyl Chloride	4.38	41	1056825	10.119	ppbv 99
22) trans-1,2-Dichloroethene	4.86	96	661668	10.162	ppbv 97
23) Vinyl Acetate	5.05	43	2003048	10.313	ppbv 99
24) 1,1-Dichloroethane	4.99	63	1641088	9.839	ppbv 99
25) Ethyl Acetate	5.66	43	2831427	10.169	ppbv 99
26) Hexane	5.67	57	1298076	10.573	ppbv 98
27) Carbon Disulfide	4.52	76	1765921	10.301	ppbv 99
28) Methyl tert-Butyl Ether	5.01	73	1946668	10.407	ppbv 100
29) Chloroform	5.74	83	2065241	10.034	ppbv 95
30) Cyclohexane	7.13	84	1065111	11.725	ppbv 99
31) cis-1,2-Dichloroethene	5.54	61	1247375	10.741	ppbv 97
32) 1,1,1-Trichloroethane	6.51	97	2034721	9.864	ppbv 99
34) 2-Butanone	5.23	43	1737150	10.330	ppbv 99
35) Carbon Tetrachloride	7.02	117	2111127	10.323	ppbv 97
36) Benzene	6.89	78	2469882	10.832	ppbv 99
37) 1,2-Dichloroethane	6.30	62	1578008	10.312	ppbv 100
38) Trichloroethene	7.85	130	1014290	10.916	ppbv 96
39) 1,2-Dichloropropane	7.62	63	976816	10.772	ppbv 99
40) 1,4-Dioxane	7.83	88	389723	10.795	ppbv 94
41) Tetrahydrofuran	6.04	42	941850	11.194	ppbv 99
42) Bromodichloromethane	7.80	83	2192705	10.730	ppbv 97
43) Methyl Methacrylate	8.02	69	1155267	11.985	ppbv 97

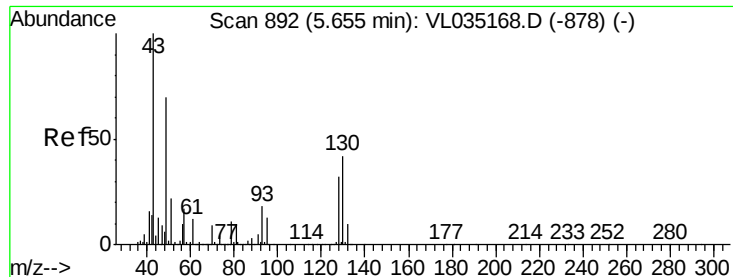
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL072320\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	4354661	11.064	ppbv	100
45) t-1,3-Dichloropropene	9.30	75	1289089	12.729	ppbv	100
46) cis-1,3-Dichloropropene	8.72	75	1511109	12.587	ppbv	96
47) 1,1,2-Trichloroethane	9.49	97	1078642	10.867	ppbv	97
48) Dibromochloromethane	10.33	129	1824476	11.297	ppbv	98
49) Bromoform	13.08	173	1627163	11.518	ppbv	100
50) 4-Methyl-2-Pentanone	8.75	43	2721442	11.276	ppbv	100
51) 2-Hexanone	10.15	43	2186320	11.880	ppbv #	100
52) Tetrachloroethene	11.25	164	905001	10.626	ppbv	97
53) Toluene	9.83	91	2910697	12.095	ppbv	99
54) 1,2-Dibromoethane	10.64	107	1636111	11.107	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.16	131	1416551	10.518	ppbv	93
57) Chlorobenzene	12.18	112	2311049	10.315	ppbv	95
58) Ethyl Benzene	12.74	91	3988789	11.872	ppbv	99
59) m/p-Xylene	13.03	91	2995372	10.003	ppbv #	11
60) o-Xylene	13.73	91	3342946	11.189	ppbv	100
61) Styrene	13.56	104	2367513	12.824	ppbv	99
62) Isopropylbenzene	14.70	105	4946997	11.171	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.71	83	2429712	9.732	ppbv	99
64) n-propylbenzene	15.60	120	1333629	11.658	ppbv	96
65) tert-Butylbenzene	16.79	119	4438928	11.161	ppbv	100
66) Benzyl Chloride	17.03	91	1776455	12.537	ppbv	99
67) sec-Butylbenzene	17.34	105	6304028	10.872	ppbv	100
69) p-Isopropyltoluene	17.70	119	5193350	11.428	ppbv	100
70) n-Butylbenzene	18.60	91	5404891	11.217	ppbv	99
71) 2-Chlorotoluene	15.49	91	3843243	11.470	ppbv	100
72) 4-Ethyltoluene	15.88	105	3931919	11.680	ppbv	99
73) 1,3,5-Trimethylbenzene	16.04	105	3713274	11.439	ppbv	99
74) 1,2,4-Trimethylbenzene	16.81	105	3909302	10.898	ppbv	98
75) 1,3-Dichlorobenzene	17.04	146	2251869	9.912	ppbv	99
76) 1,4-Dichlorobenzene	17.18	146	2240602	10.613	ppbv	99
77) 1,2-Dichlorobenzene	17.86	146	2157581	10.548	ppbv	99
78) Hexachloro-1,3-Butadiene	23.43	225	1572367	9.728	ppbv	99
79) Naphthalene	22.26	128	3255762	14.026	ppbv	99
80) Naphthalene, 2-methyl-	25.02	142	1223733	22.318	ppbv	99
81) 1,2,4-Trichlorobenzene	21.99	180	1789739	12.170	ppbv	98

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 893

Delta R.T. 0.00 min

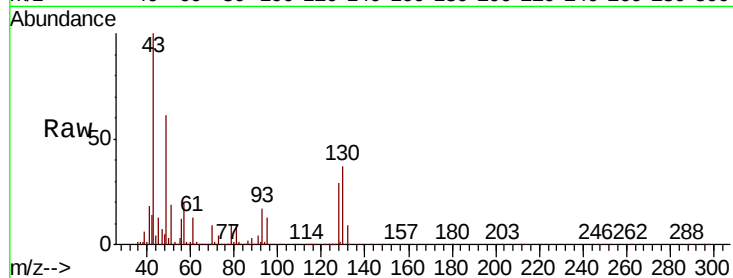
Lab File: VL035231.D

Acq: 23 Jul 2020 17:20

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 49 Resp: 1325338

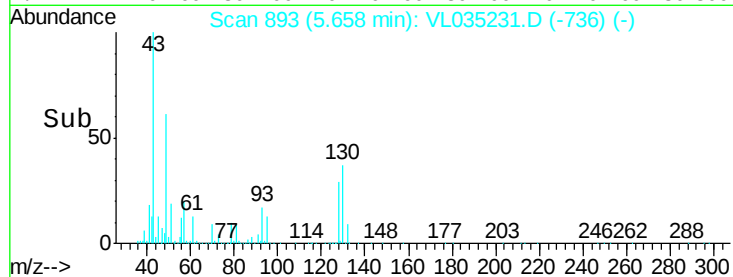
Ion	Ratio	Lower	Upper
49	100		
128	47.2	23.8	71.4
130	61.0	29.9	89.8



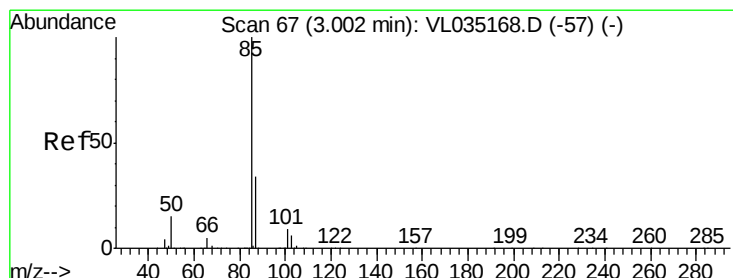
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



Time-->



#2

Dichlorodifluoromethane

Concen: 7.335 ppbv

RT: 3.01 min Scan# 68

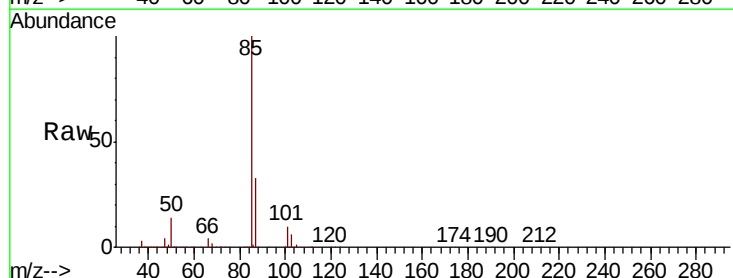
Delta R.T. 0.00 min

Lab File: VL035231.D

Acq: 23 Jul 2020 17:20

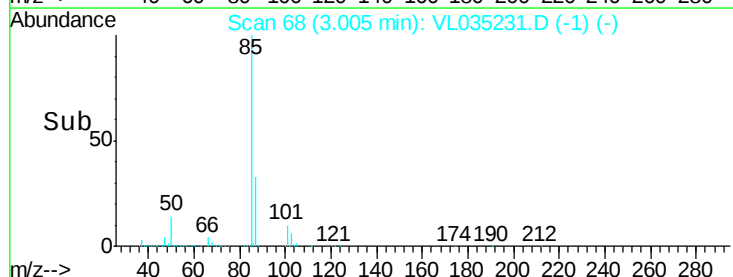
Tgt Ion: 85 Resp: 1362432

Ion	Ratio	Lower	Upper
85	100		
87	33.1	27.0	40.6

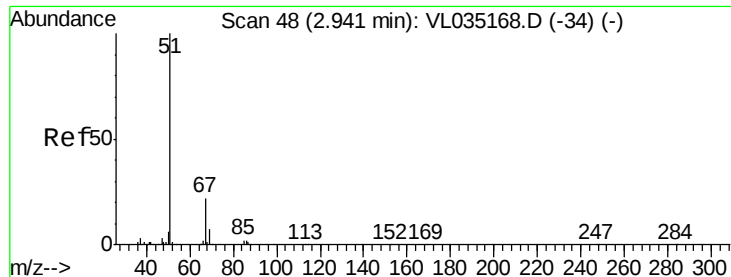


Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0



Time-->



#3

Chlorodifluoromethane

Concen: 9.423 ppbv

RT: 2.94 min Scan# 49

Delta R.T. 0.00 min

Lab File: VL035231.D

Acq: 23 Jul 2020 17:20

Instrument :

MSVOA_L

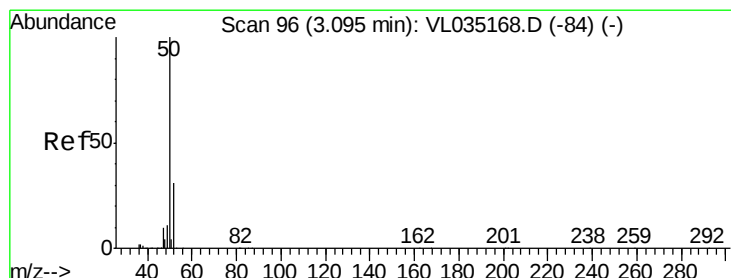
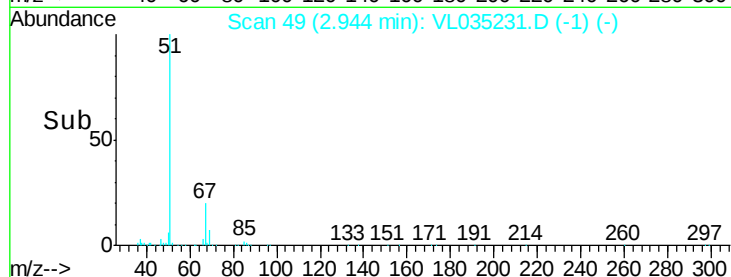
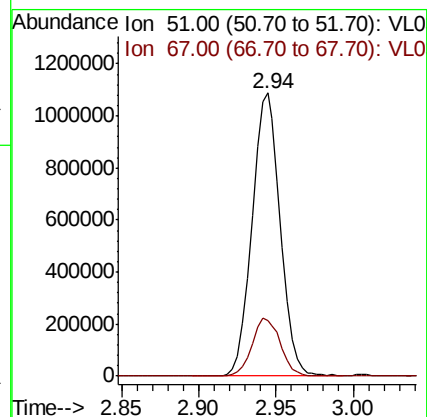
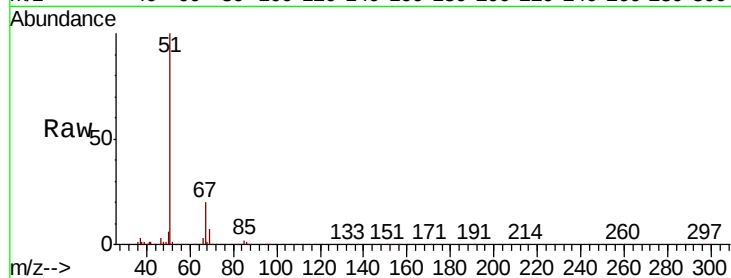
ClientSampleId :

Tot Ion: 51 Resp: 1379424

Ion Ratio Lower Upper

51 100

67 20.7 16.6 24.8



#4

Chloromethane

Concen: 9.696 ppbv

RT: 3.10 min Scan# 96

Delta R.T. 0.00 min

Lab File: VL035231.D

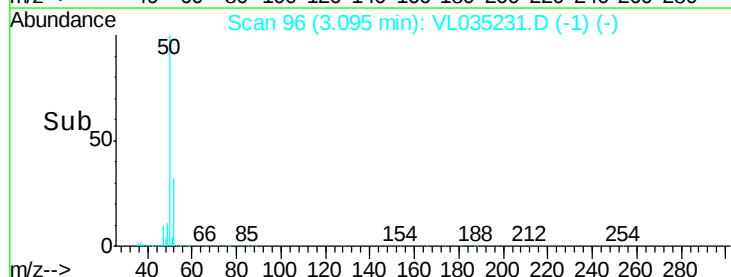
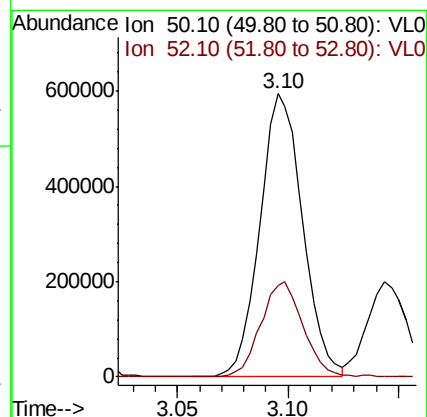
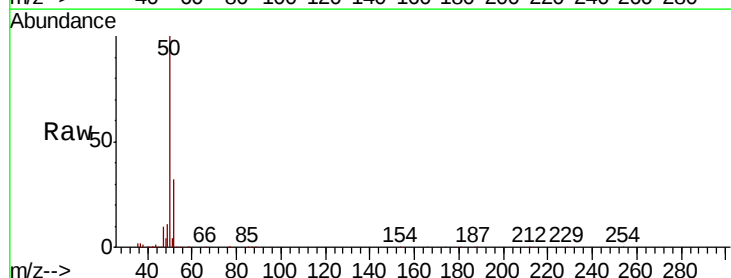
Acq: 23 Jul 2020 17:20

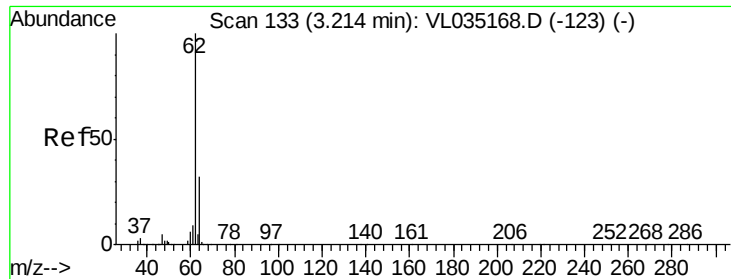
Tgt Ion: 50 Resp: 800043

Ion Ratio Lower Upper

50 100

52 32.2 25.0 37.6





#5

Vinyl Chloride

Concen: 9.217 ppbv

RT: 3.21 min Scan# 133

Delta R.T. 0.00 min

Lab File: VL035231.D

Acq: 23 Jul 2020 17:20

Instrument :

MSVOA_L

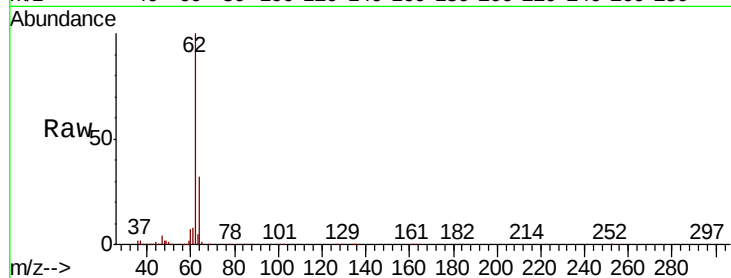
ClientSampleId :

Tot Ion: 62 Resp: 812624

Ion Ratio Lower Upper

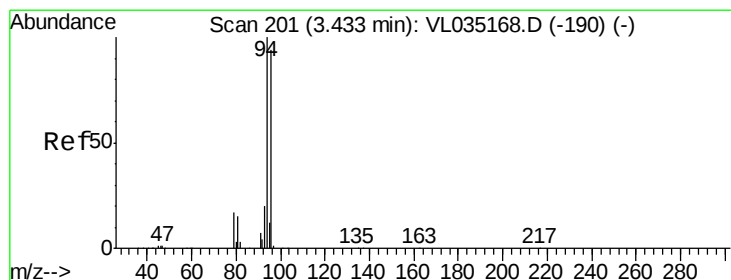
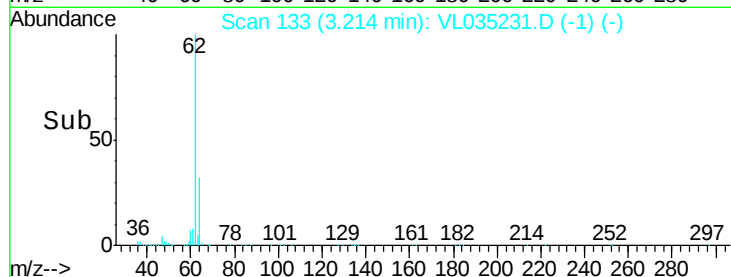
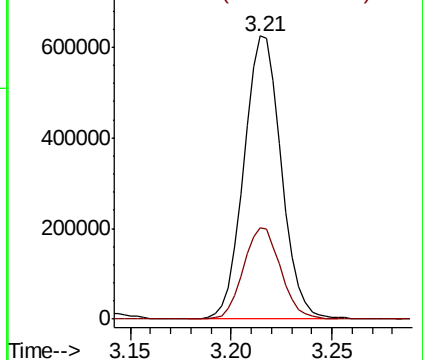
62 100

64 32.3 25.9 38.9



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 10.240 ppbv

RT: 3.43 min Scan# 201

Delta R.T. 0.00 min

Lab File: VL035231.D

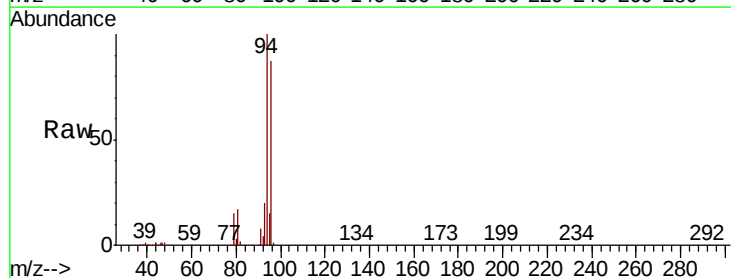
Acq: 23 Jul 2020 17:20

Tgt Ion: 94 Resp: 512432

Ion Ratio Lower Upper

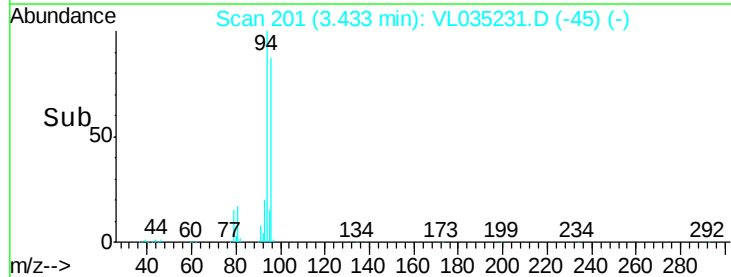
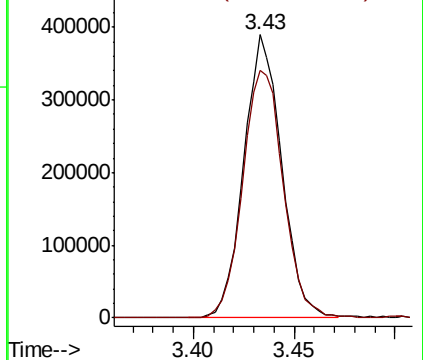
94 100

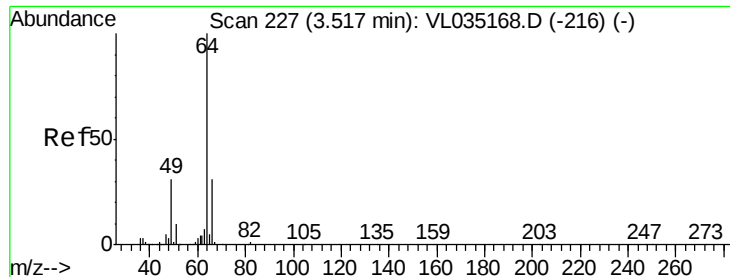
96 87.2 74.8 112.2



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.798 ppbv

RT: 3.52 min Scan# 228

Delta R.T. 0.00 min

Lab File: VL035231.D

Acq: 23 Jul 2020 17:20

Instrument :

MSVOA_L

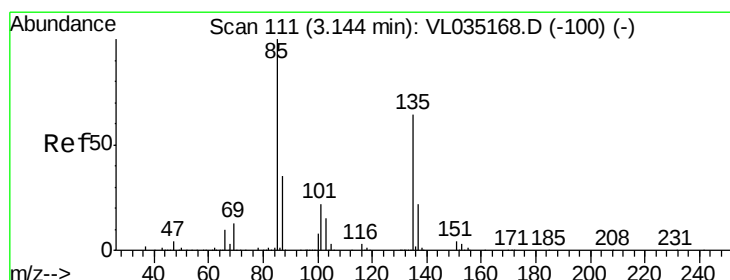
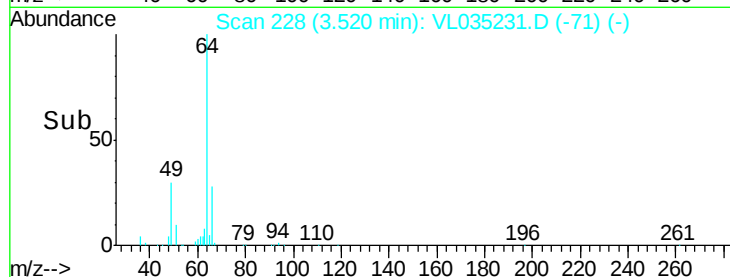
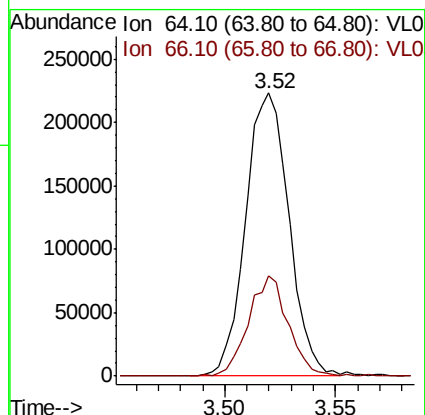
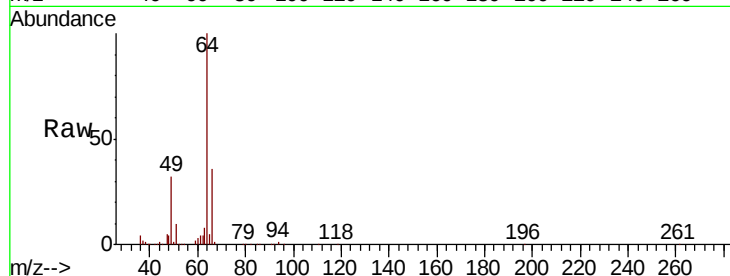
ClientSampleId :

Tot Ion: 64 Resp: 305397

Ion Ratio Lower Upper

64 100

66 35.6 24.6 36.8



#8

Dichlorotetrafluoroethane

Concen: 9.275 ppbv

RT: 3.14 min Scan# 111

Delta R.T. 0.00 min

Lab File: VL035231.D

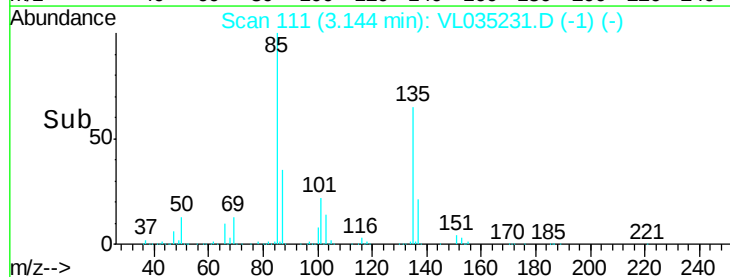
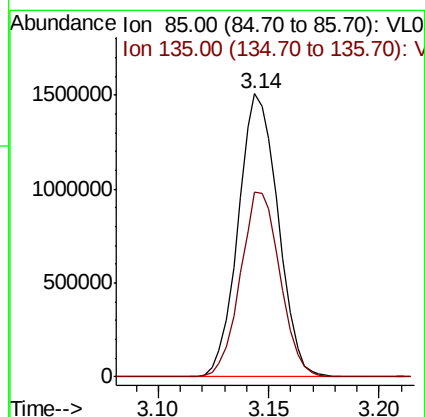
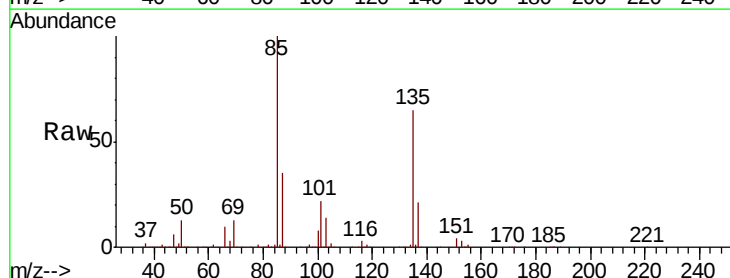
Acq: 23 Jul 2020 17:20

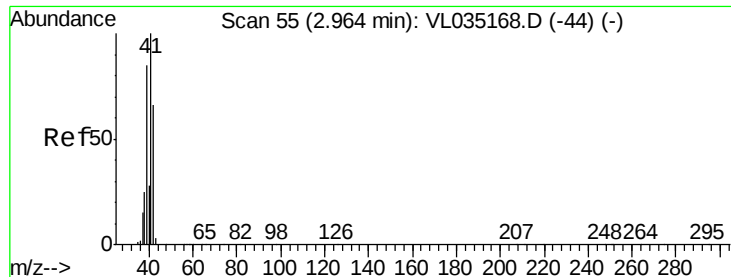
Tgt Ion: 85 Resp: 1888232

Ion Ratio Lower Upper

85 100

135 65.4 52.1 78.1





#9

Propene

Concen: 9.876 ppbv

RT: 2.97 min Scan# 56

Delta R.T. 0.00 min

Lab File: VL035231.D

Acq: 23 Jul 2020 17:20

Instrument :

MSVOA_L

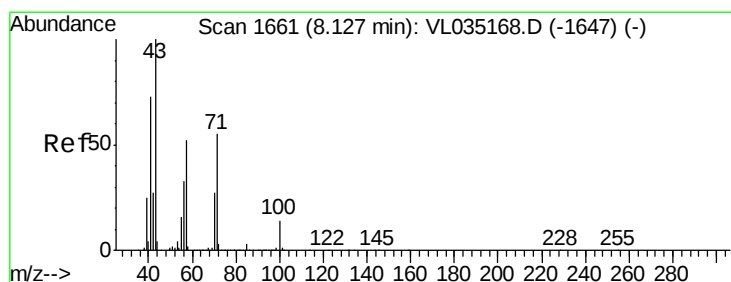
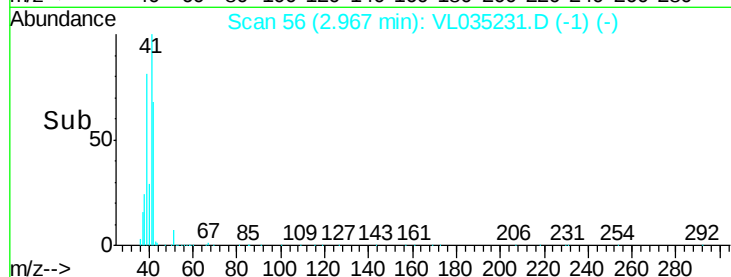
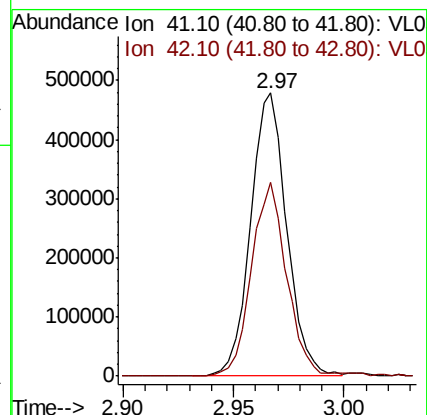
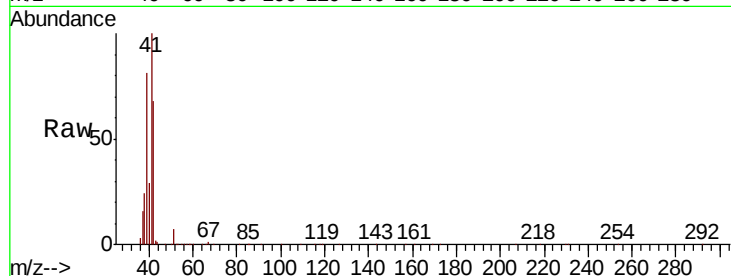
ClientSampleId :

Tot Ion: 41 Resp: 546411

Ion Ratio Lower Upper

41 100

42 67.7 54.6 81.8



#10

Heptane

Concen: 11.409 ppbv

RT: 8.13 min Scan# 1662

Delta R.T. 0.00 min

Lab File: VL035231.D

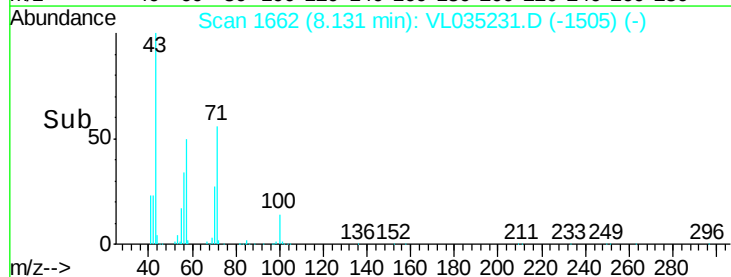
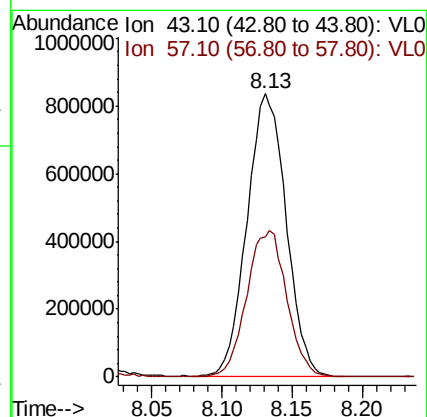
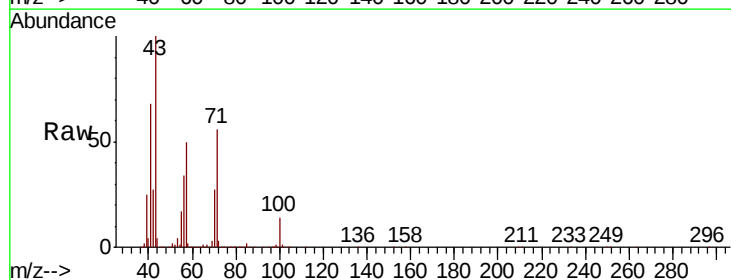
Acq: 23 Jul 2020 17:20

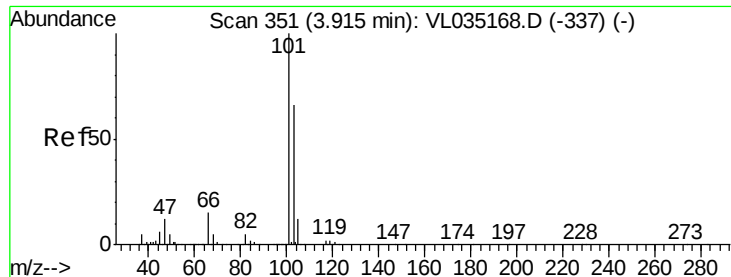
Tgt Ion: 43 Resp: 1620452

Ion Ratio Lower Upper

43 100

57 53.1 41.8 62.6

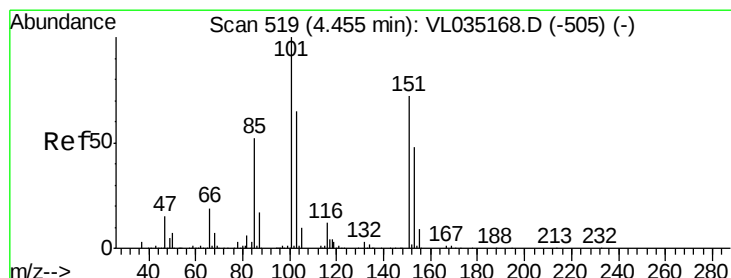
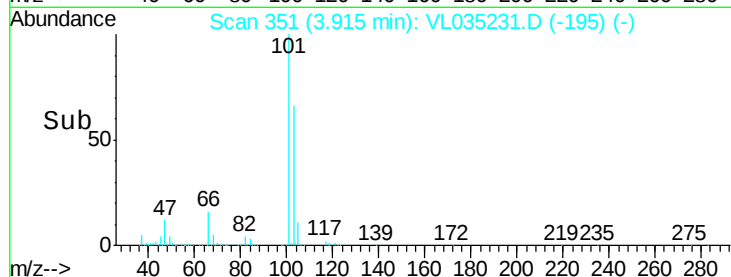
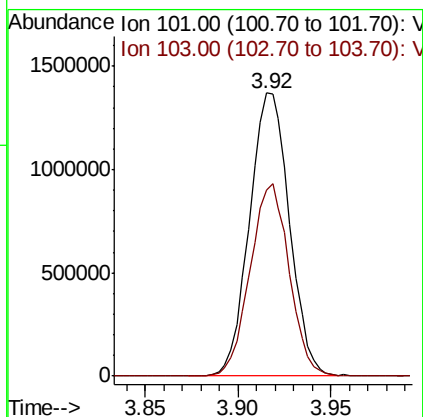
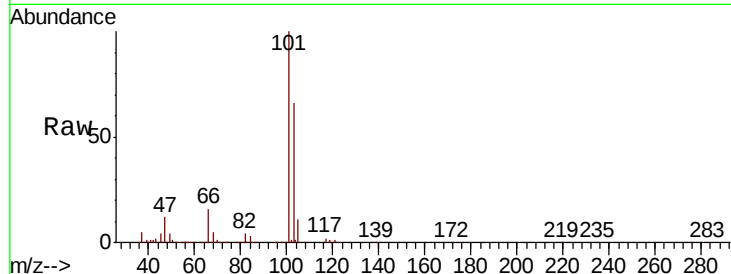




#11
 Trichlorofluoromethane
 Concen: 9.833 ppbv
 RT: 3.92 min Scan# 351
 Delta R.T. 0.00 min
 Lab File: VL035231.D
 Acq: 23 Jul 2020 17:20

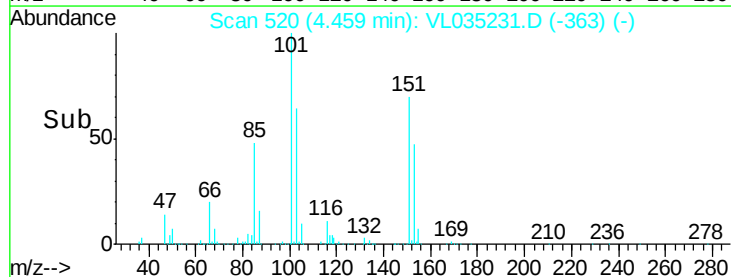
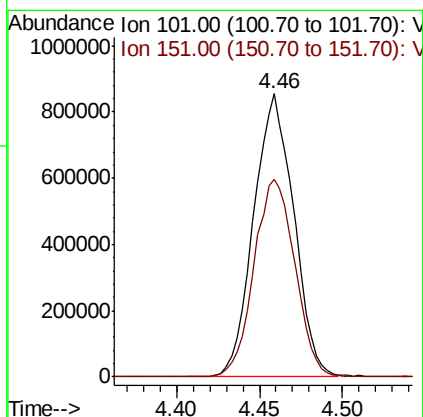
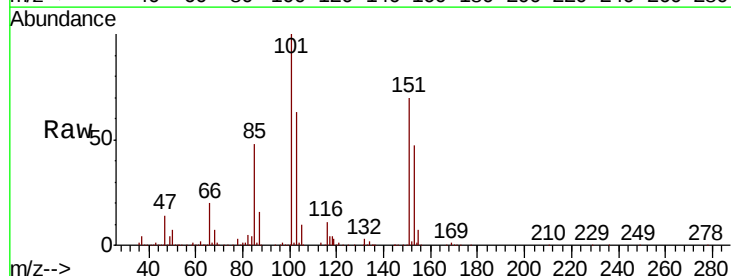
Instrument :
 MSVOA_L
 ClientSampleId :

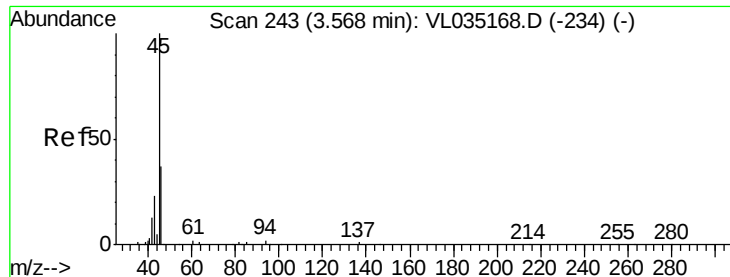
Tot Ion:101 Resp: 2062526
 Ion Ratio Lower Upper
 101 100
 103 65.7 53.1 79.7



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.723 ppbv
 RT: 4.46 min Scan# 520
 Delta R.T. 0.00 min
 Lab File: VL035231.D
 Acq: 23 Jul 2020 17:20

Tgt Ion:101 Resp: 1432234
 Ion Ratio Lower Upper
 101 100
 151 71.6 57.0 85.4





#13

Ethanol

Concen: 7.833 ppbv

RT: 3.57 min Scan# 243

Delta R.T. 0.00 min

Lab File: VL035231.D

Acq: 23 Jul 2020 17:20

Instrument :

MSVOA_L

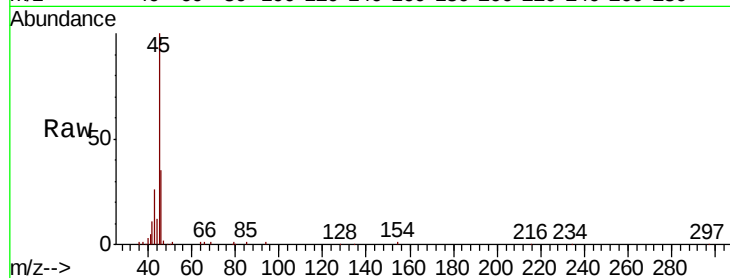
ClientSampleId :

Tot Ion: 45 Resp: 137981

Ion Ratio Lower Upper

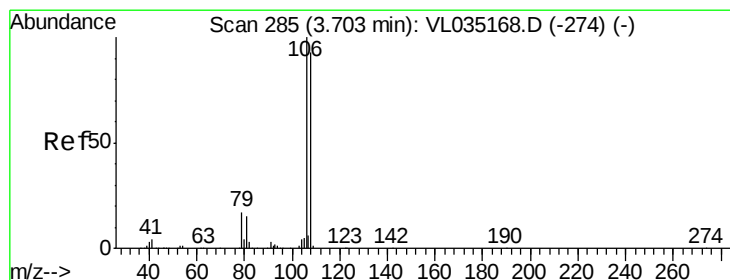
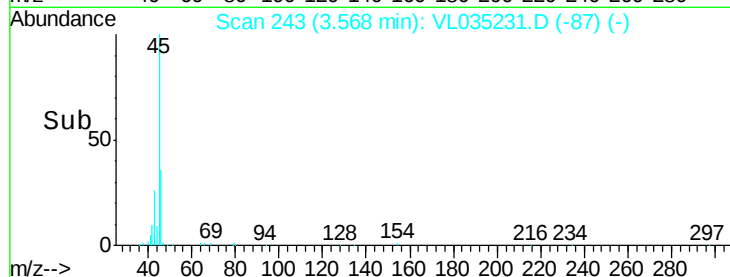
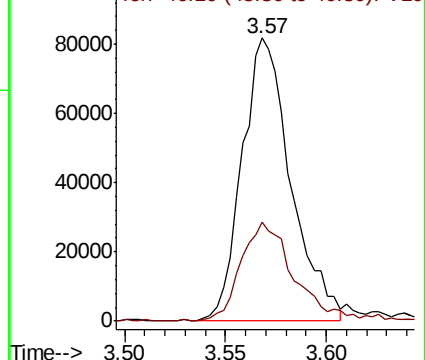
45 100

46 39.2 16.2 65.0



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#14

Bromoethene

Concen: 10.331 ppbv

RT: 3.70 min Scan# 285

Delta R.T. 0.00 min

Lab File: VL035231.D

Acq: 23 Jul 2020 17:20

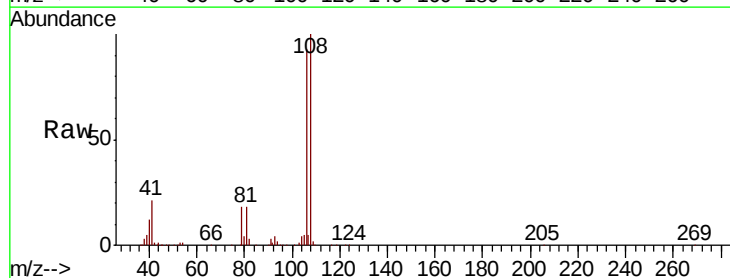
Tgt Ion: 108 Resp: 626283

Ion Ratio Lower Upper

108 100

106 106.6 86.2 129.2

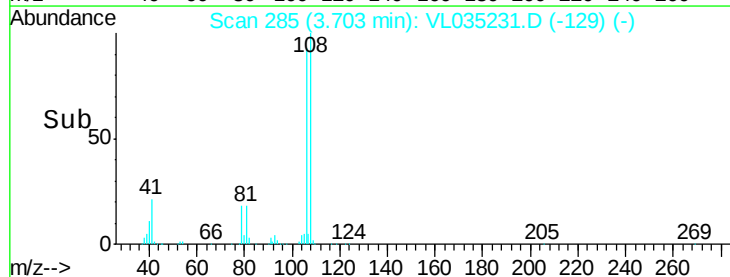
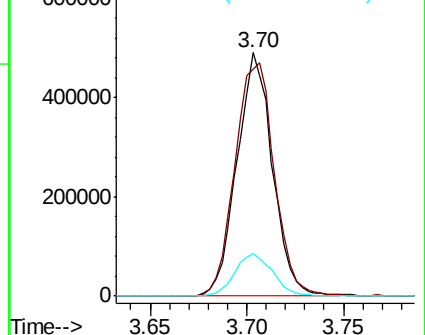
79 18.6 15.0 22.6

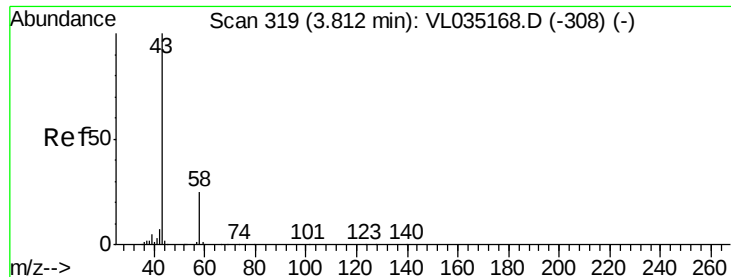


Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0





#15

Acetone

Concen: 8.801 ppbv

RT: 3.82 min Scan# 320

Delta R.T. 0.00 min

Lab File: VL035231.D

Acq: 23 Jul 2020 17:20

Instrument :

MSVOA_L

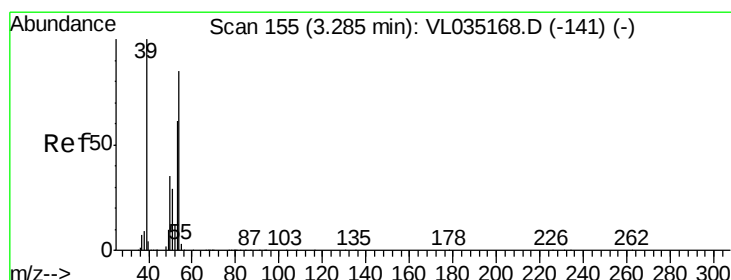
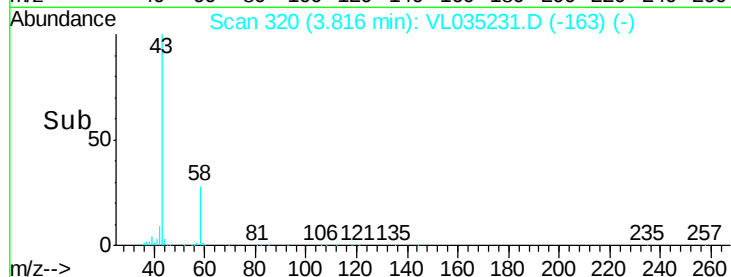
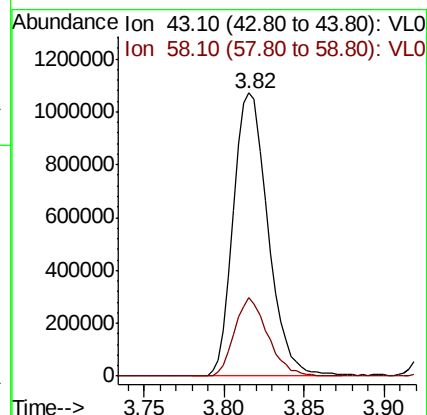
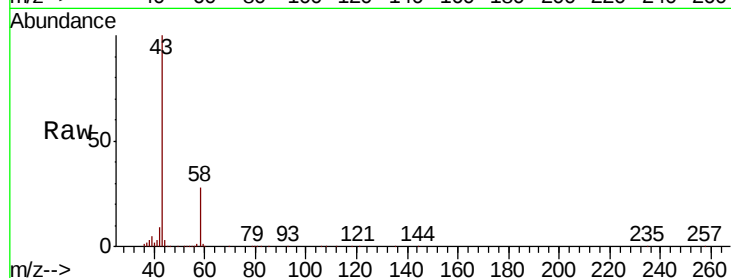
ClientSampleId :

Tot Ion: 43 Resp: 1579224

Ion Ratio Lower Upper

43 100

58 26.9 21.3 31.9



#16

1,3-Butadiene

Concen: 10.606 ppbv

RT: 3.29 min Scan# 156

Delta R.T. 0.00 min

Lab File: VL035231.D

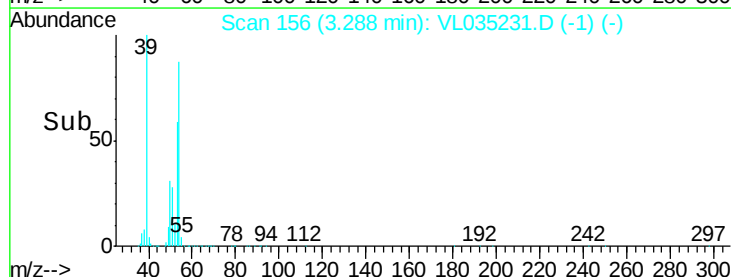
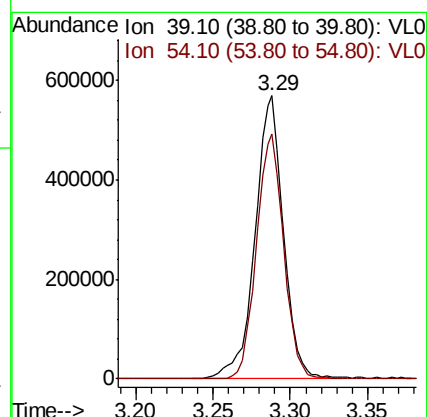
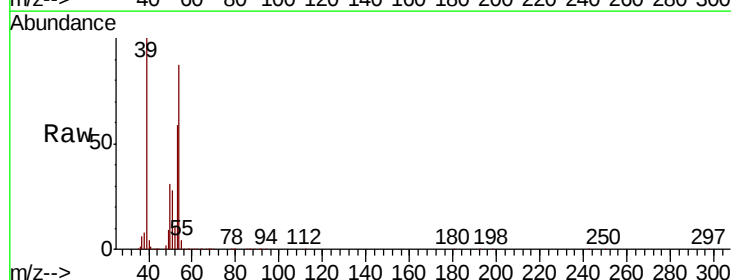
Acq: 23 Jul 2020 17:20

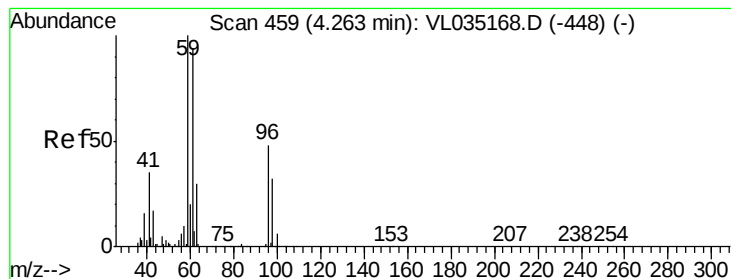
Tgt Ion: 39 Resp: 730459

Ion Ratio Lower Upper

39 100

54 83.3 67.2 100.8



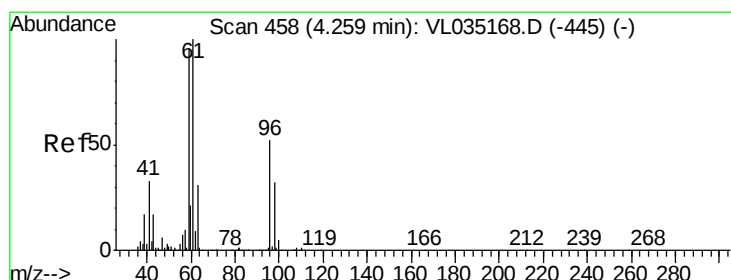
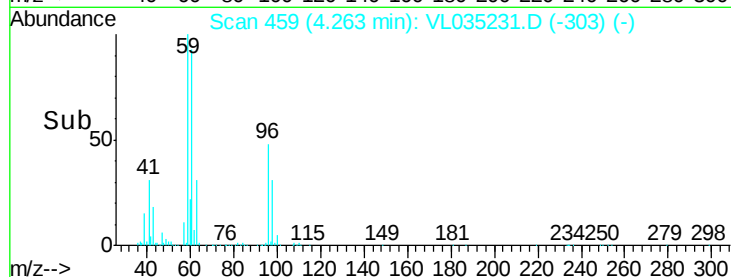
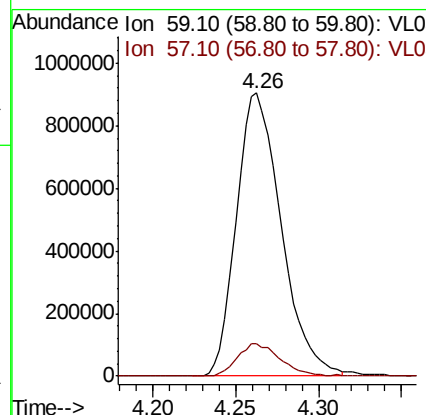
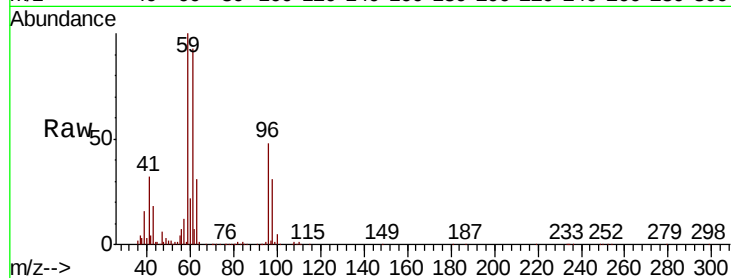


#17

tert-Butyl alcohol
Concen: 10.740 ppbv
RT: 4.26 min Scan# 459
Delta R.T. 0.00 min
Lab File: VL035231.D
Acq: 23 Jul 2020 17:20

Instrument :
MSVOA_L
ClientSampled :

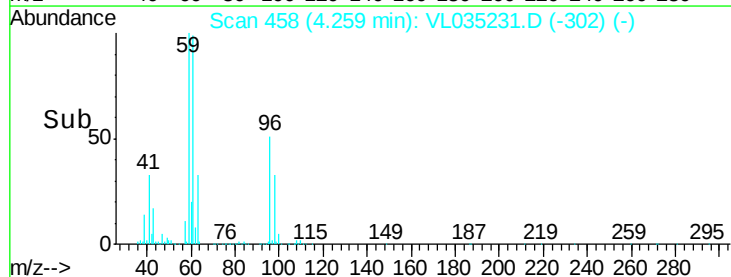
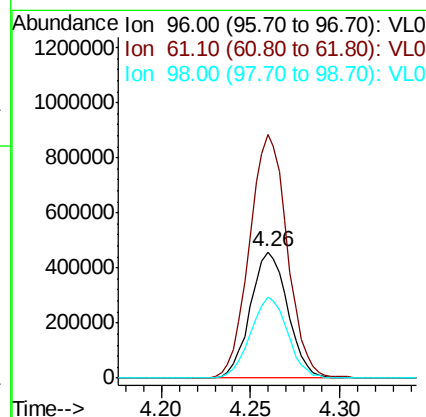
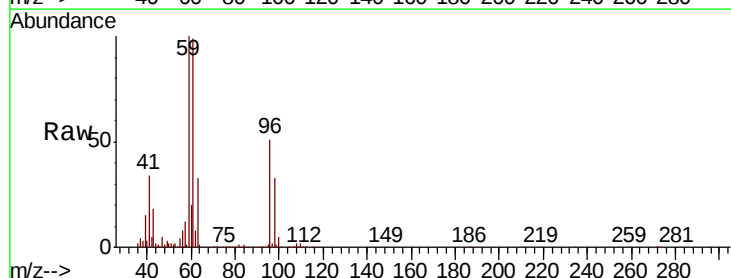
Tot Ion: 59 Resp: 1705121
Ion Ratio Lower Upper
59 100
57 11.2 8.6 12.8

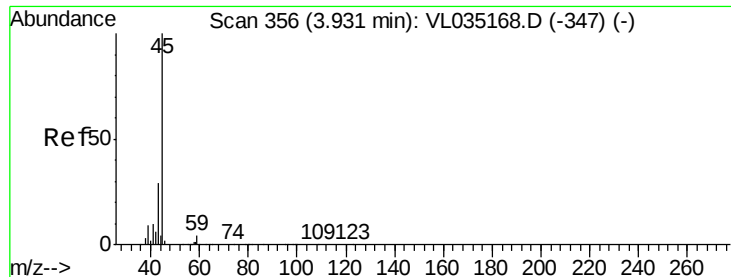


#18

1,1-Dichloroethene
Concen: 10.272 ppbv
RT: 4.26 min Scan# 458
Delta R.T. 0.00 min
Lab File: VL035231.D
Acq: 23 Jul 2020 17:20

Tgt Ion: 96 Resp: 669926
Ion Ratio Lower Upper
96 100
61 192.9 152.9 229.3
98 64.2 48.7 73.1



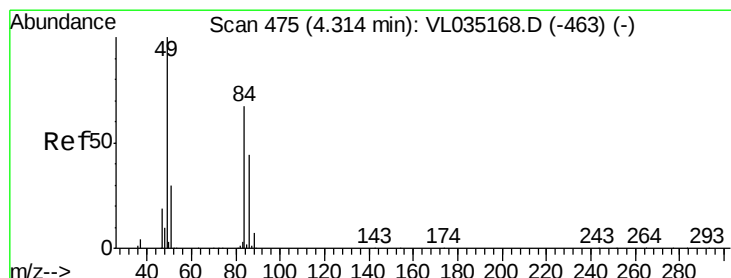
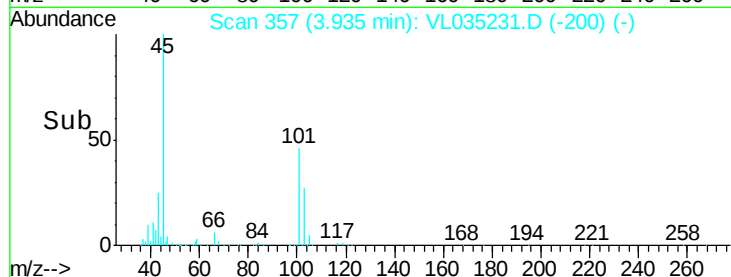
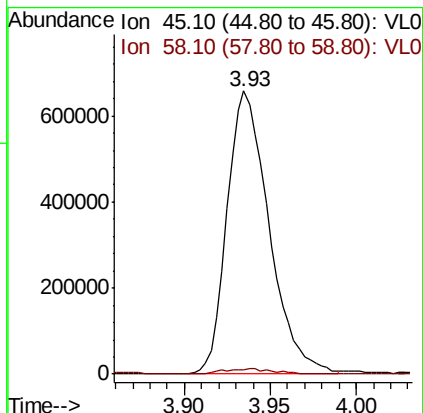
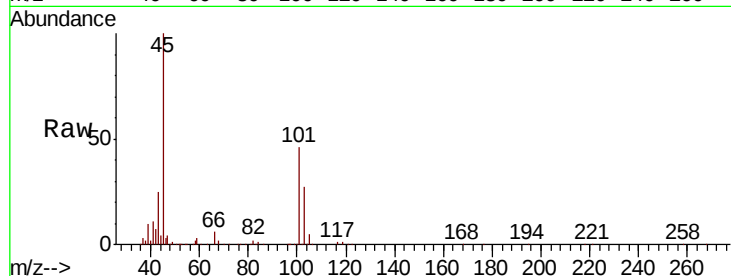


#19

Isopropyl Alcohol
 Concen: 10.273 ppbv
 RT: 3.93 min Scan# 357
 Delta R.T. 0.00 min
 Lab File: VL035231.D
 Acq: 23 Jul 2020 17:20

Instrument :
 MSVOA_L
 ClientSampleId :

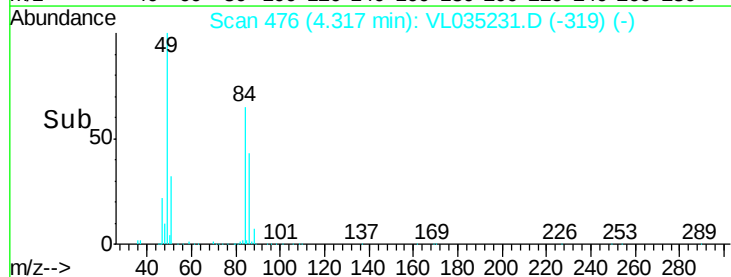
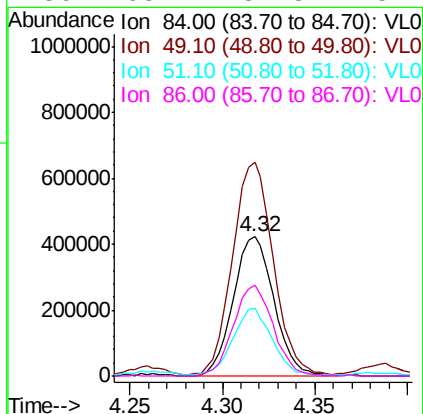
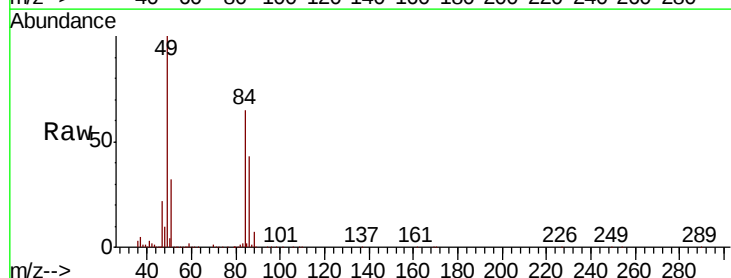
Tot Ion: 45 Resp: 1111997
 Ion Ratio Lower Upper
 45 100
 58 2.6 2.1 3.1

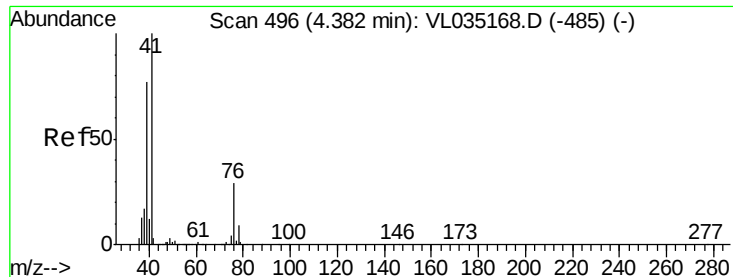


#20

Methylene Chloride
 Concen: 8.142 ppbv
 RT: 4.32 min Scan# 476
 Delta R.T. 0.00 min
 Lab File: VL035231.D
 Acq: 23 Jul 2020 17:20

Tgt Ion: 84 Resp: 635680
 Ion Ratio Lower Upper
 84 100
 49 152.8 119.4 179.0
 51 47.8 36.6 55.0
 86 65.2 52.5 78.7





#21

Allvl Chloride

Concen: 10.119 ppbv

RT: 4.38 min Scan# 497

Delta R.T. 0.00 min

Lab File: VL035231.D

Acq: 23 Jul 2020 17:20

Instrument :
MSVOA_L
ClientSampled :

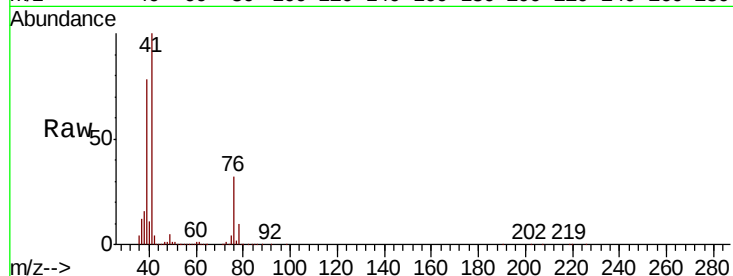
Tot Ion: 41 Resp: 1056825

Ion Ratio Lower Upper

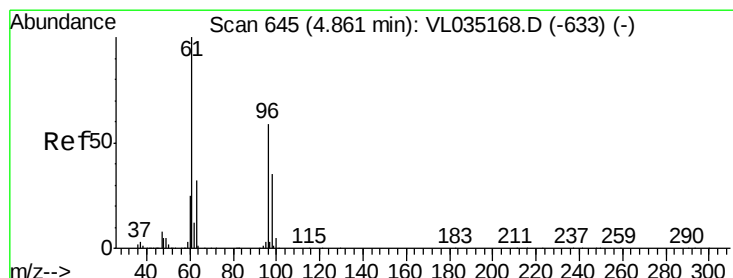
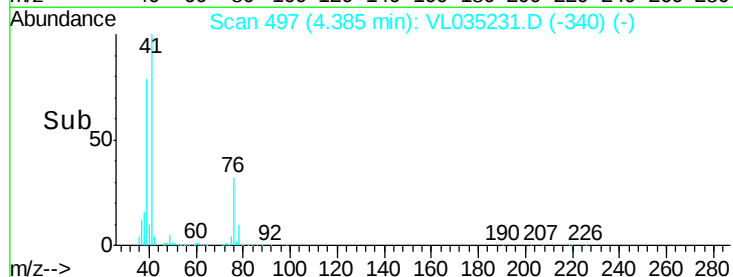
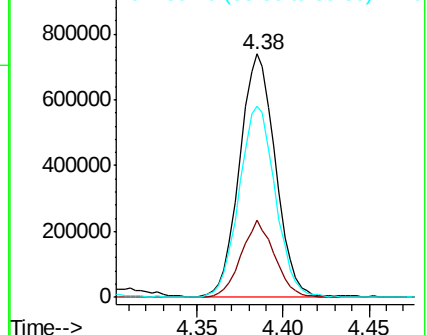
41 100

76 29.9 23.5 35.3

39 80.6 63.4 95.0



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: 10.162 ppbv

RT: 4.86 min Scan# 646

Delta R.T. 0.00 min

Lab File: VL035231.D

Acq: 23 Jul 2020 17:20

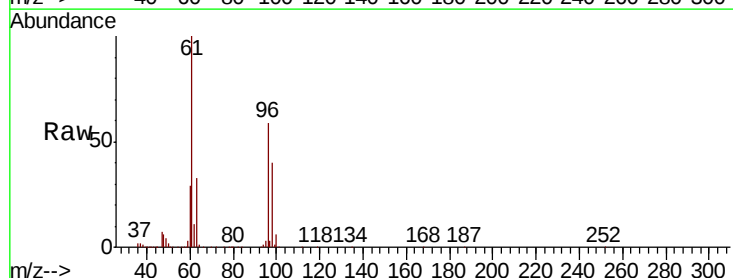
Tgt Ion: 96 Resp: 661668

Ion Ratio Lower Upper

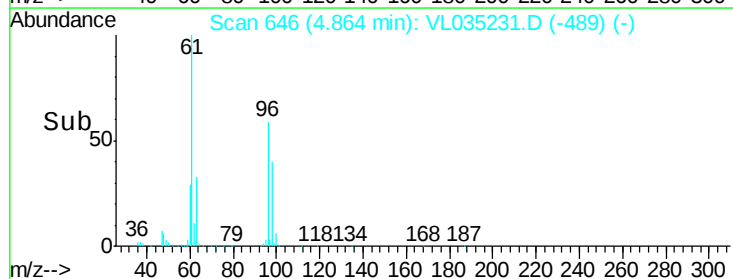
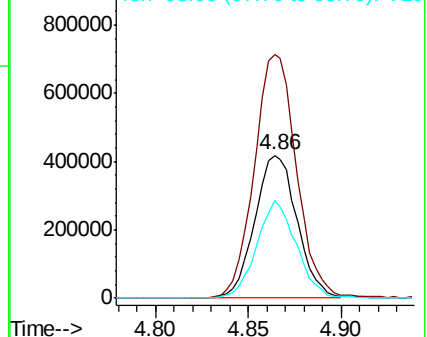
96 100

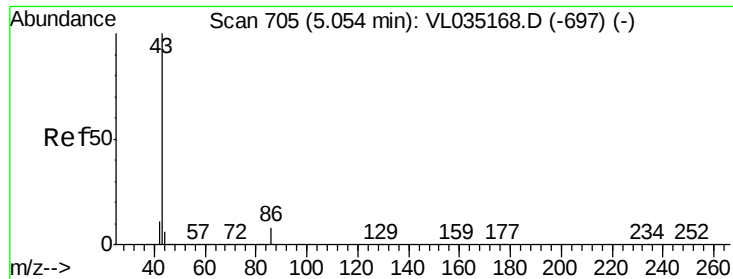
61 170.7 136.5 204.7

98 68.6 47.5 71.3



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: 10.313 ppbv

RT: 5.05 min Scan# 705

Delta R.T. 0.00 min

Lab File: VL035231.D

Acq: 23 Jul 2020 17:20

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 2003048

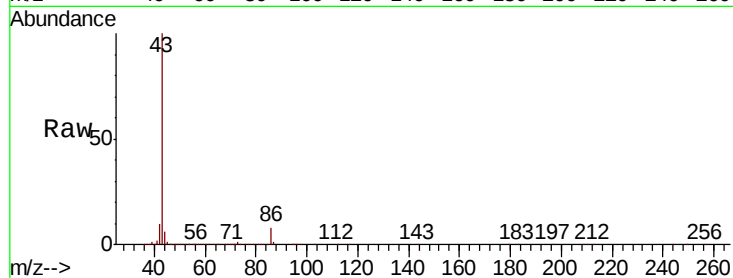
Ion	Ratio	Lower	Upper
43	100		
86	7.6	6.2	9.2
42	10.4	9.1	13.7
44	5.5	4.6	6.8

43 100

86 7.6 6.2 9.2

42 10.4 9.1 13.7

44 5.5 4.6 6.8

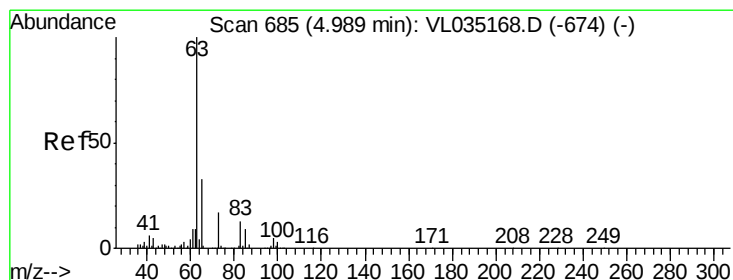
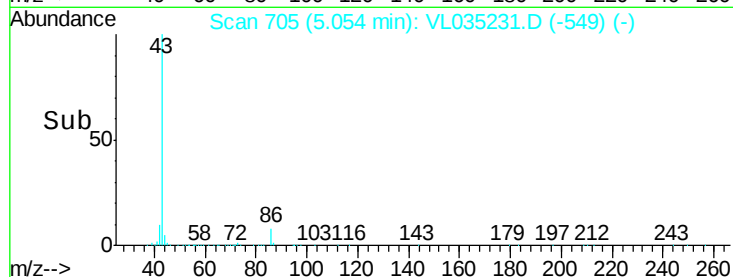
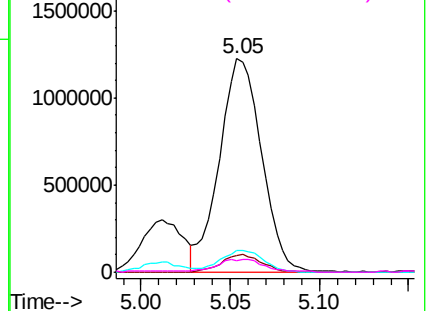


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.839 ppbv

RT: 4.99 min Scan# 686

Delta R.T. 0.00 min

Lab File: VL035231.D

Acq: 23 Jul 2020 17:20

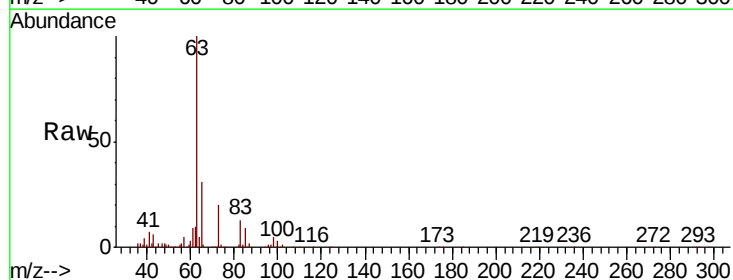
Tgt Ion: 63 Resp: 1641088

Ion	Ratio	Lower	Upper
63	100		
98	4.5	2.4	7.1
100	2.6	1.4	4.0

63 100

98 4.5 2.4 7.1

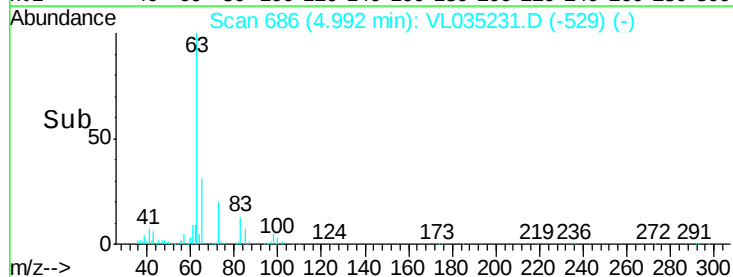
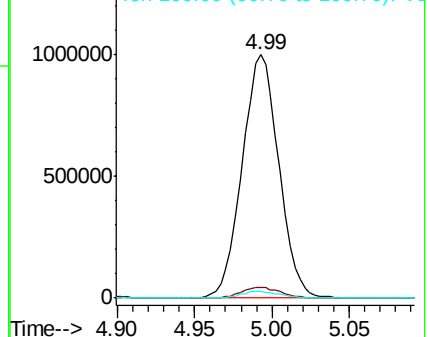
100 2.6 1.4 4.0

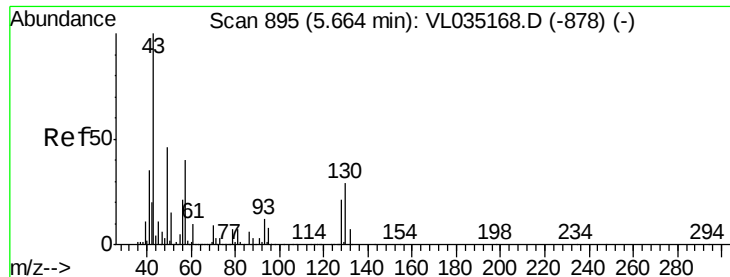


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



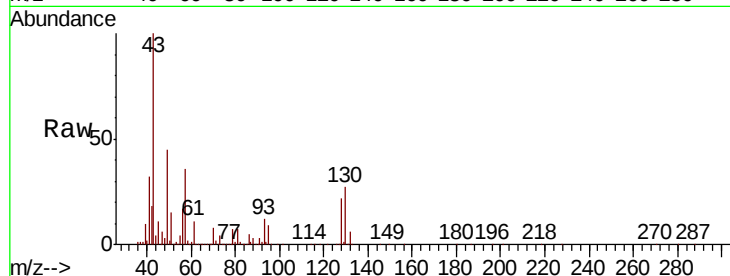


#25
Ethyl Acetate
Concen: 10.169 ppbv
RT: 5.66 min Scan# 895
Delta R.T. 0.00 min
Lab File: VL035231.D
Acq: 23 Jul 2020 17:20

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 2831427

Ion	Ratio	Lower	Upper
43	100		
45	10.2	8.5	12.7
61	10.0	8.1	12.1
70	7.8	6.3	9.5



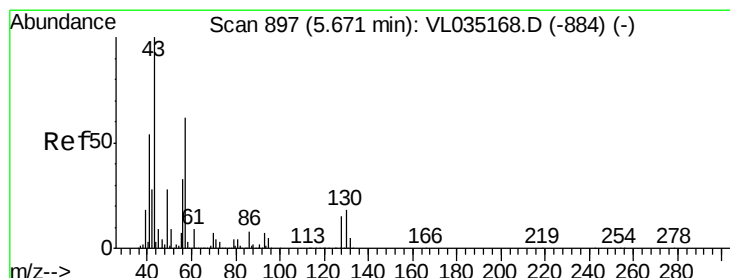
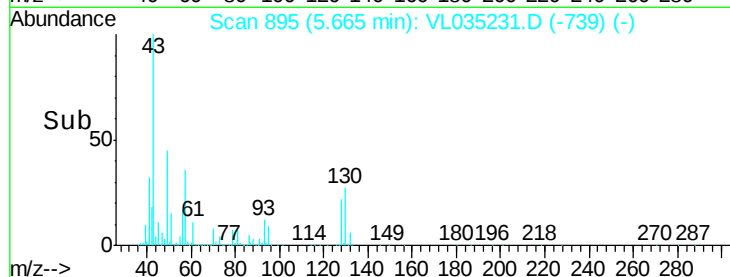
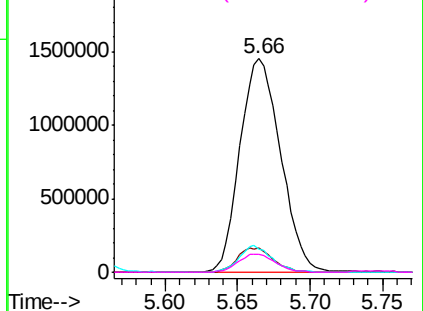
Abundance

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

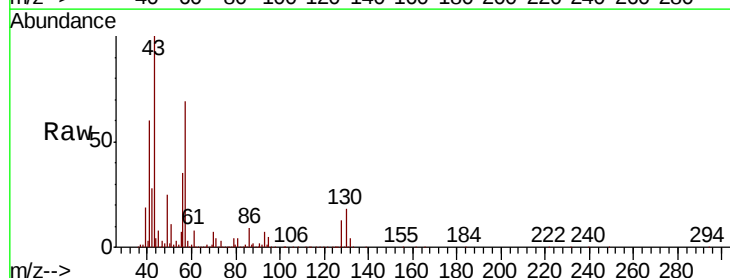
Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 10.573 ppbv
RT: 5.67 min Scan# 898
Delta R.T. 0.00 min
Lab File: VL035231.D
Acq: 23 Jul 2020 17:20

Tgt Ion: 57 Resp: 1298076

Ion	Ratio	Lower	Upper
57	100		
41	91.1	72.9	109.3
43	219.6	179.5	269.3
56	53.2	42.9	64.3



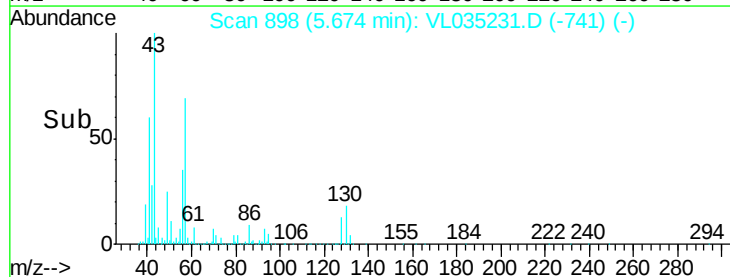
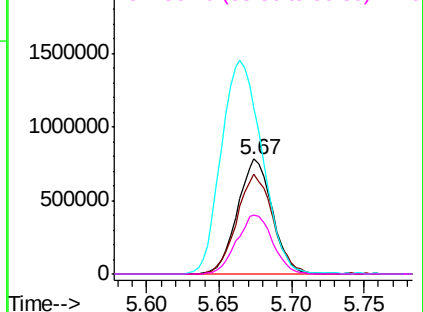
Abundance

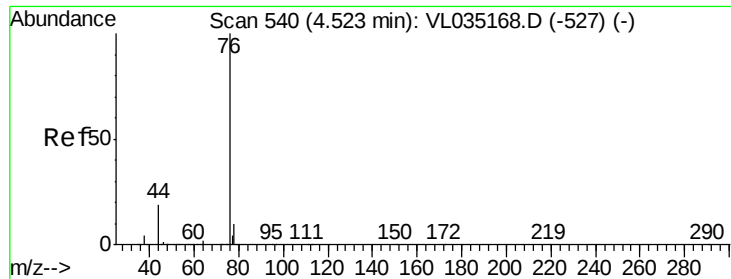
Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0

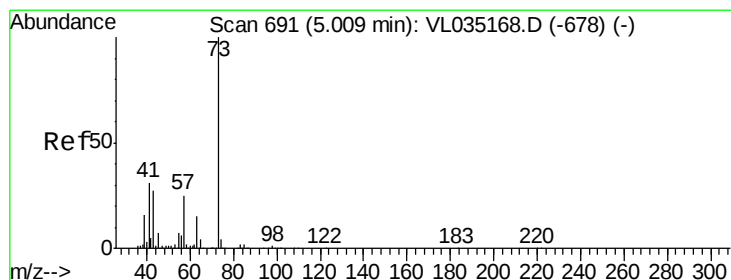
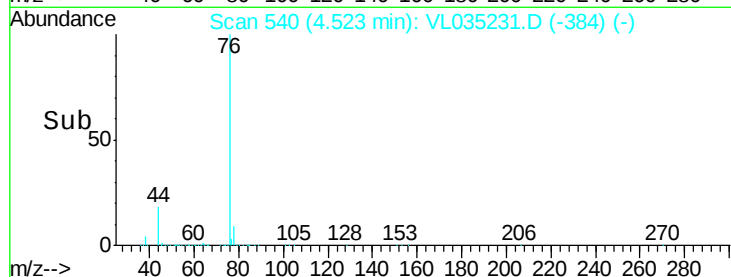
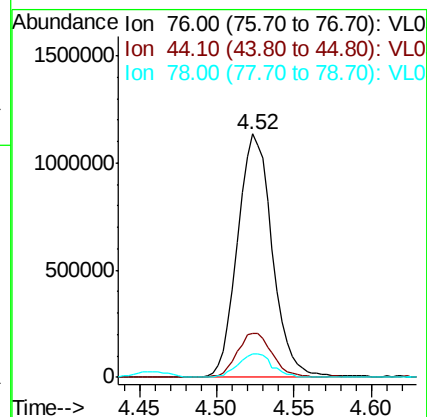
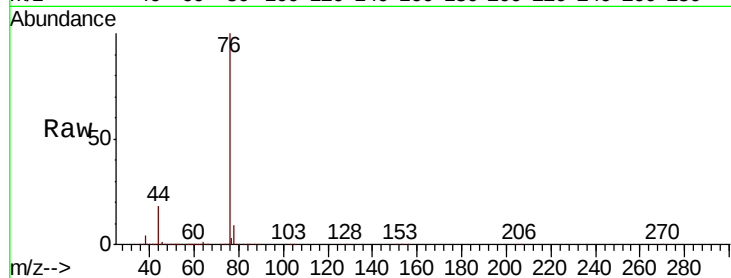




#27
Carbon Disulfide
Concen: 10.301 ppbv
RT: 4.52 min Scan# 540
Delta R.T. 0.00 min
Lab File: VL035231.D
Acq: 23 Jul 2020 17:20

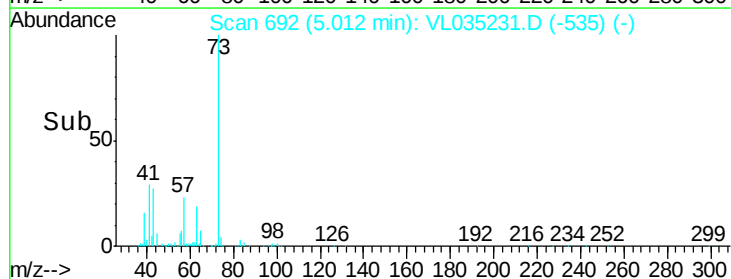
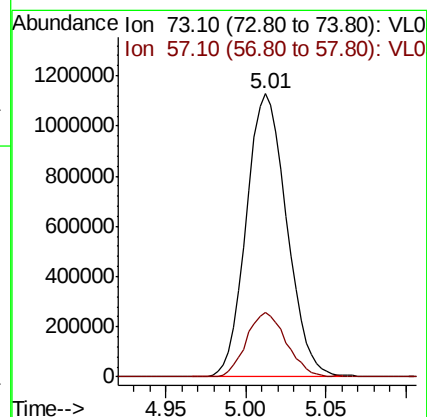
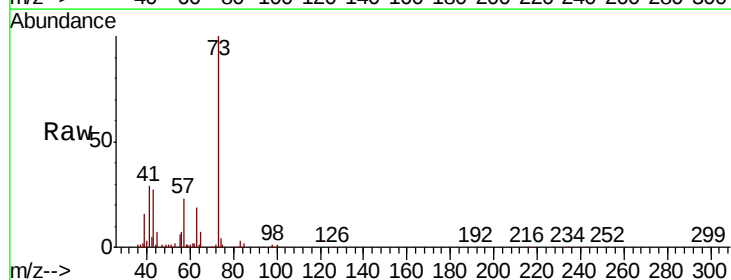
Instrument :
MSVOA_L
ClientSampled :

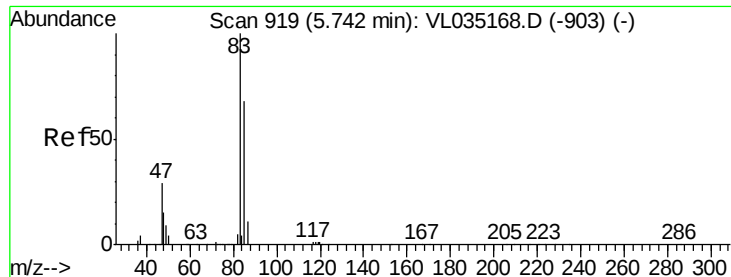
Tot Ion: 76 Resp: 1765921
Ion Ratio Lower Upper
76 100
44 18.2 14.9 22.3
78 9.4 7.5 11.3



#28
Methyl tert-Butyl Ether
Concen: 10.407 ppbv
RT: 5.01 min Scan# 692
Delta R.T. 0.00 min
Lab File: VL035231.D
Acq: 23 Jul 2020 17:20

Tgt Ion: 73 Resp: 1946668
Ion Ratio Lower Upper
73 100
57 22.7 18.1 27.1





#29

Chloroform

Concen: 10.034 ppbv

RT: 5.74 min Scan# 920

Delta R.T. 0.00 min

Lab File: VL035231.D

Acq: 23 Jul 2020 17:20

Instrument :

MSVOA_L

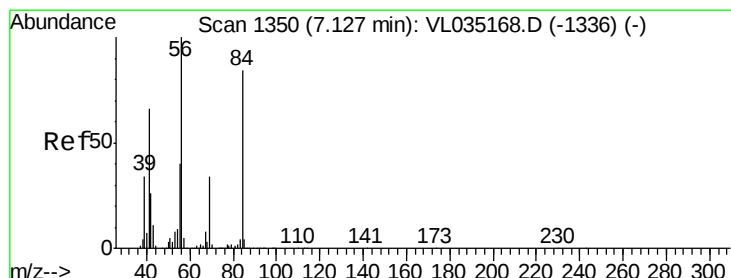
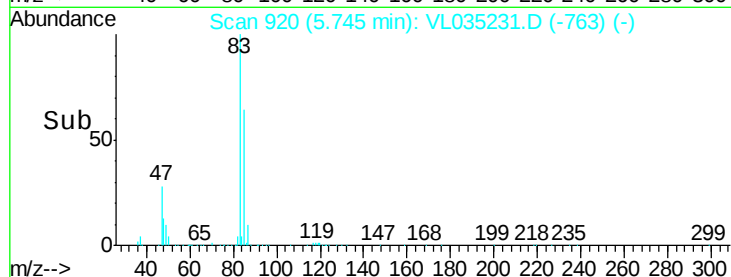
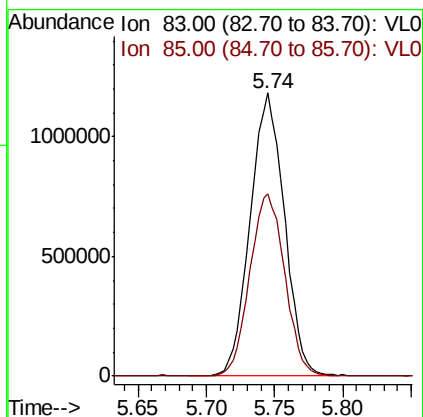
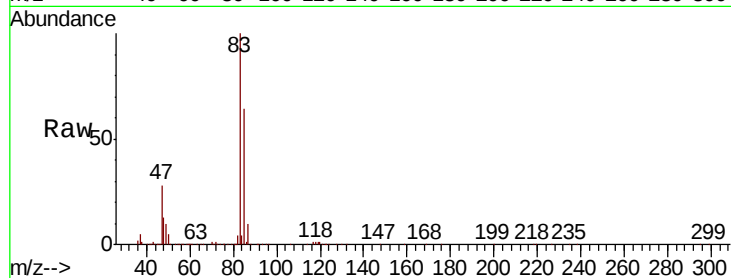
ClientSampled :

Tot Ion: 83 Resp: 2065241

Ion Ratio Lower Upper

83 100

85 64.1 54.3 81.5



#30

Cyclohexane

Concen: 11.725 ppbv

RT: 7.13 min Scan# 1352

Delta R.T. 0.01 min

Lab File: VL035231.D

Acq: 23 Jul 2020 17:20

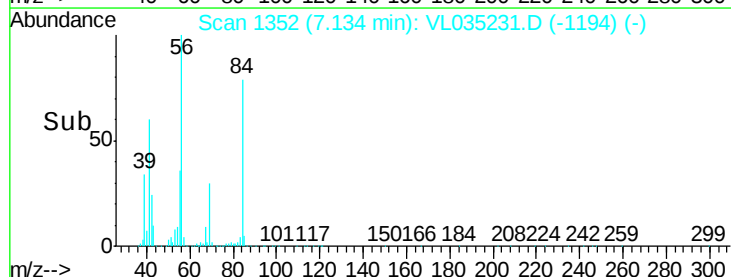
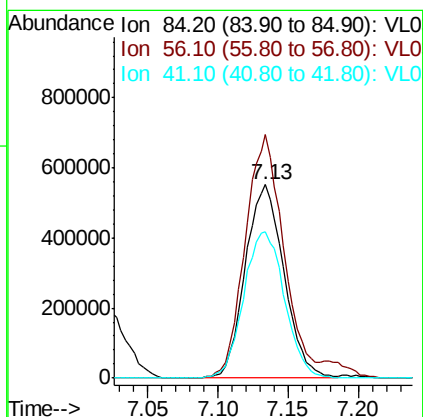
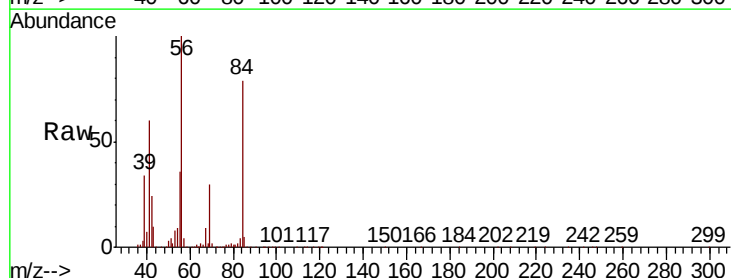
Tgt Ion: 84 Resp: 1065111

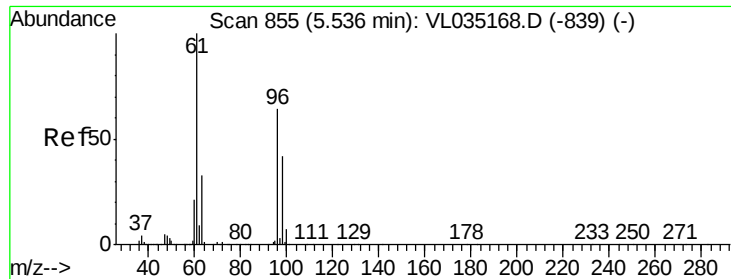
Ion Ratio Lower Upper

84 100

56 130.8 105.6 158.4

41 79.4 64.9 97.3



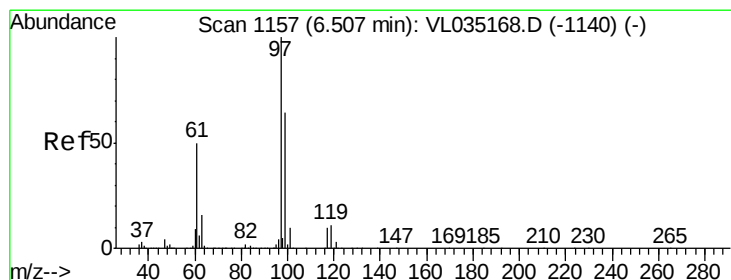
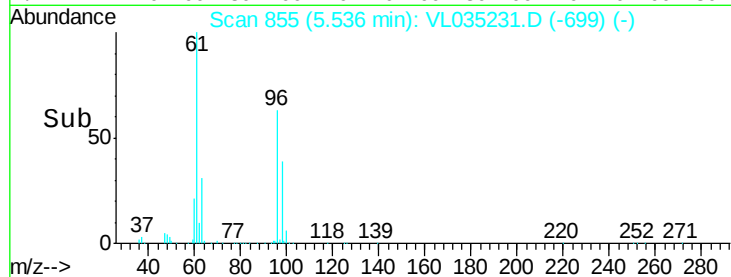
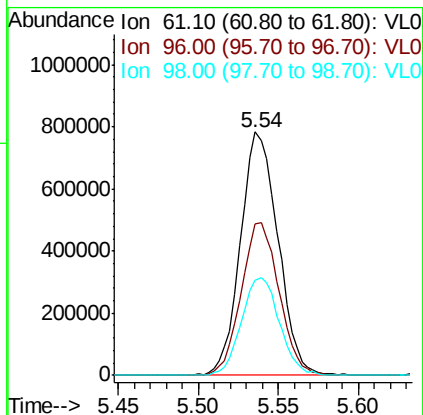
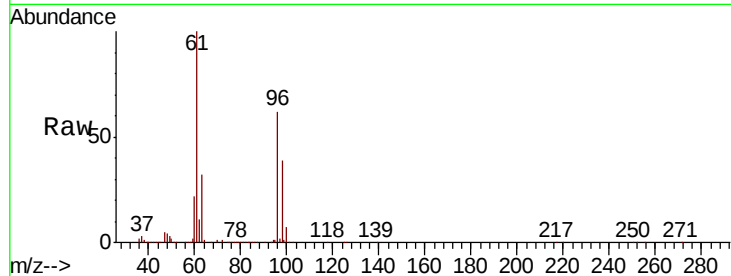


#31

cis-1,2-Dichloroethene
 Concen: 10.741 ppbv
 RT: 5.54 min Scan# 855
 Delta R.T. 0.00 min
 Lab File: VL035231.D
 Acq: 23 Jul 2020 17:20

Instrument :
 MSVOA_L
 ClientSampled :

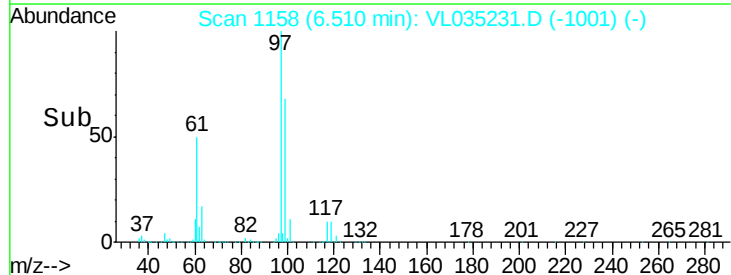
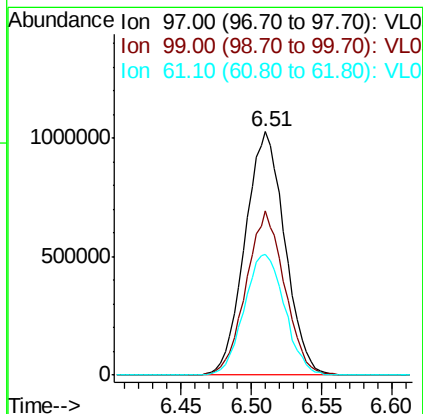
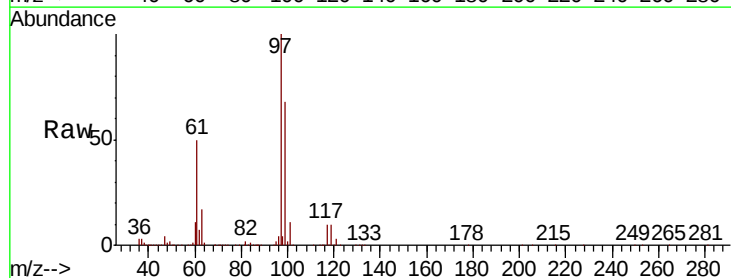
Tot Ion: 61 Resp: 1247375
 Ion Ratio Lower Upper
 61 100
 96 62.4 51.3 76.9
 98 39.1 33.8 50.8

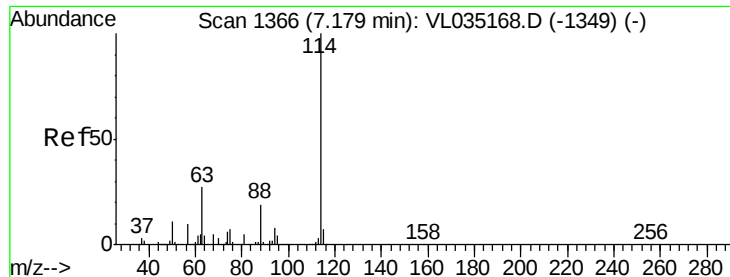


#32

1,1,1-Trichloroethane
 Concen: 9.864 ppbv
 RT: 6.51 min Scan# 1158
 Delta R.T. 0.00 min
 Lab File: VL035231.D
 Acq: 23 Jul 2020 17:20

Tgt Ion: 97 Resp: 2034721
 Ion Ratio Lower Upper
 97 100
 99 65.0 51.2 76.8
 61 50.7 40.9 61.3

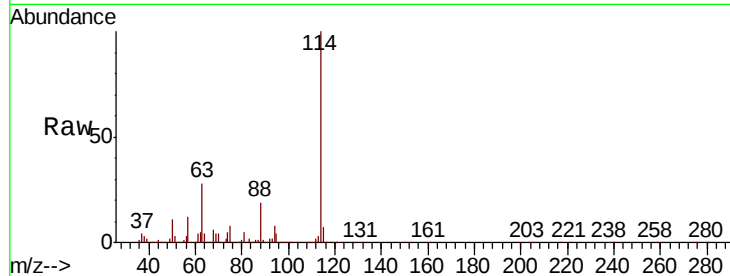




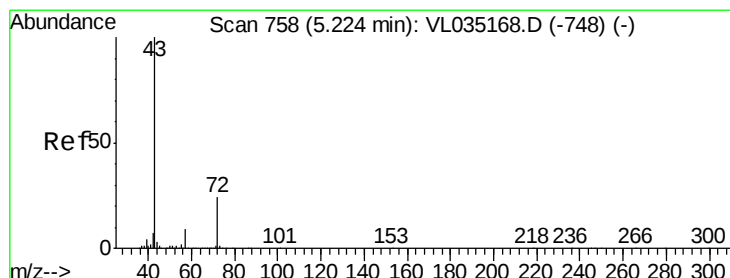
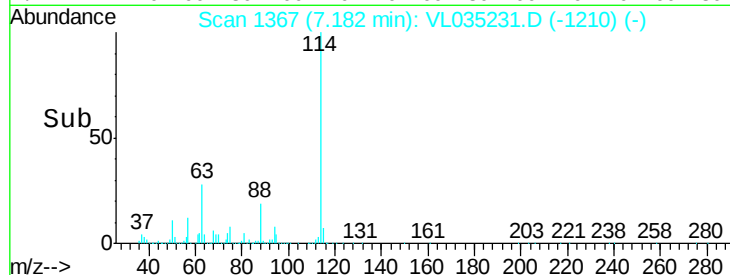
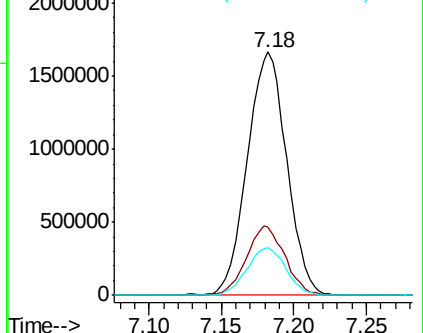
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1367
 Delta R.T. 0.00 min
 Lab File: VL035231.D
 Acq: 23 Jul 2020 17:20

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:114 Resp: 3150605
 Ion Ratio Lower Upper
 114 100
 63 28.0 22.0 33.0
 88 19.5 15.4 23.0

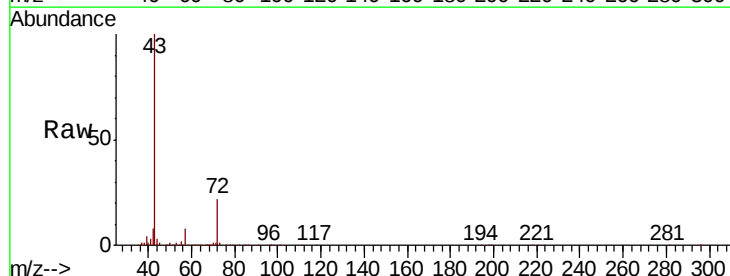


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

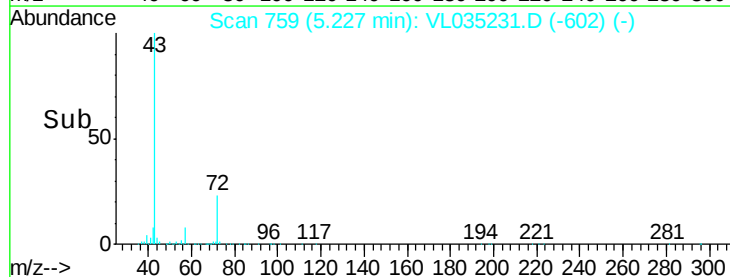
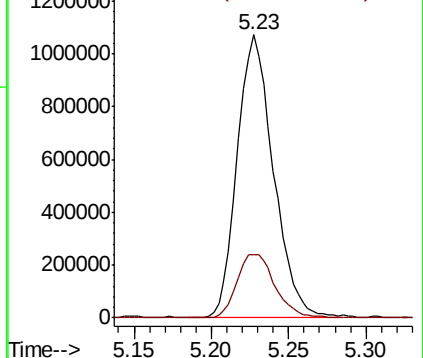


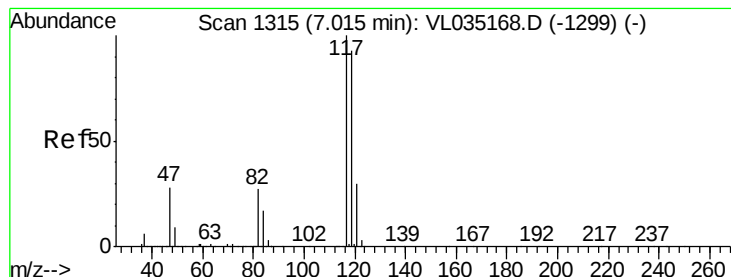
#34
 2-Butanone
 Concen: 10.330 ppbv
 RT: 5.23 min Scan# 759
 Delta R.T. 0.00 min
 Lab File: VL035231.D
 Acq: 23 Jul 2020 17:20

Tgt Ion: 43 Resp: 1737150
 Ion Ratio Lower Upper
 43 100
 72 23.8 18.6 28.0



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





#35

Carbon Tetrachloride

Concen: 10.323 ppbv

RT: 7.02 min Scan# 1317

Delta R.T. 0.01 min

Lab File: VL035231.D

Acq: 23 Jul 2020 17:20

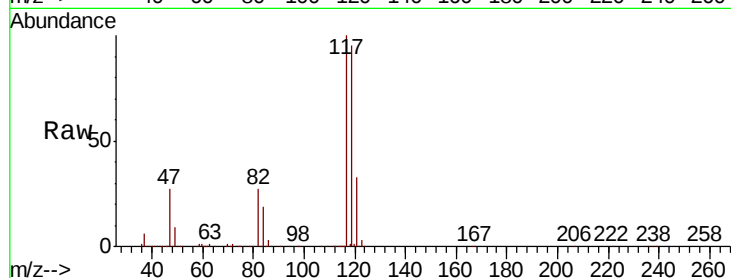
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:117 Resp: 2111127

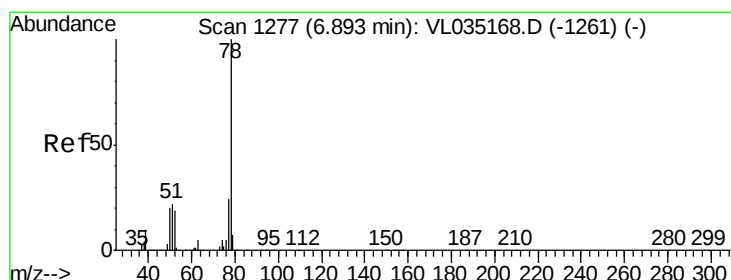
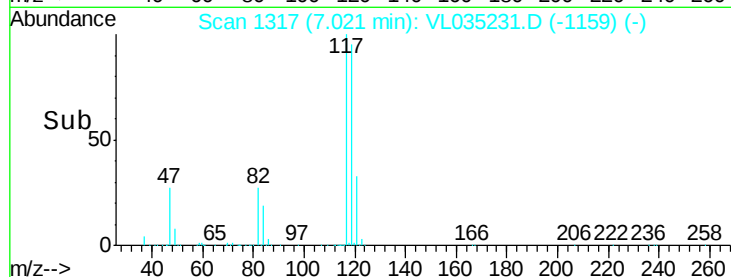
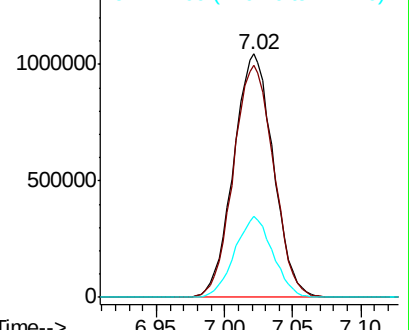
Ion	Ratio	Lower	Upper
117	100		
119	95.4	74.8	112.2
121	33.1	24.2	36.2



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: 10.832 ppbv

RT: 6.89 min Scan# 1277

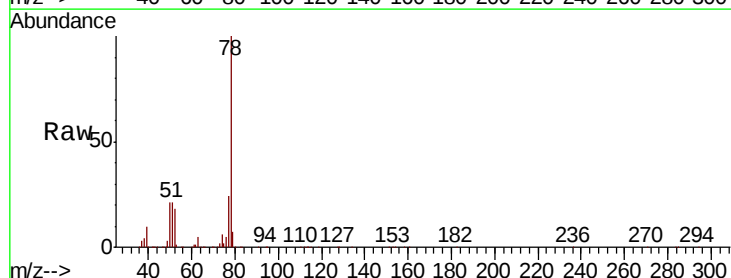
Delta R.T. 0.00 min

Lab File: VL035231.D

Acq: 23 Jul 2020 17:20

Tgt Ion: 78 Resp: 2469882

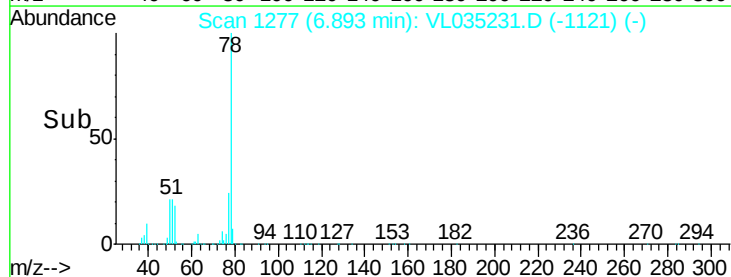
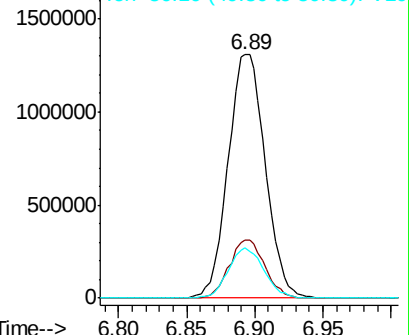
Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.3	28.9
50	20.7	16.0	24.0

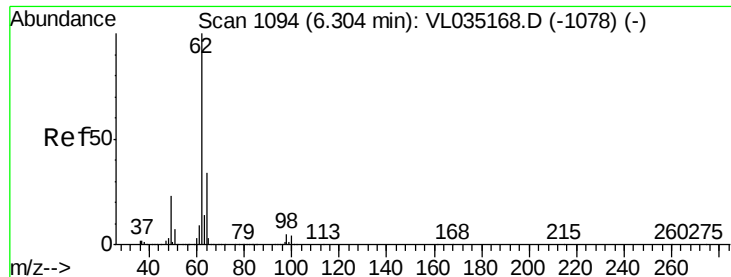


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 10.312 ppbv

RT: 6.30 min Scan# 1094

Delta R.T. 0.00 min

Lab File: VL035231.D

Acq: 23 Jul 2020 17:20

Instrument :

MSVOA_L

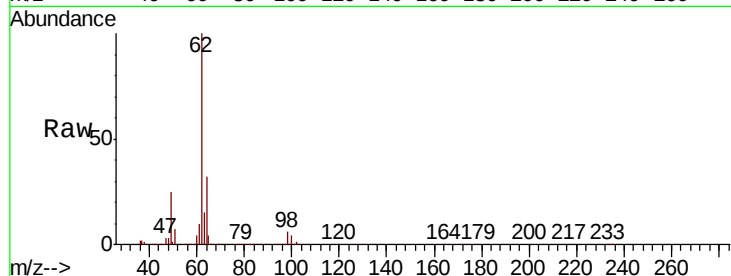
ClientSampleId :

Tot Ion: 62 Resp: 1578008

Ion Ratio Lower Upper

62 100

98 5.8 4.6 6.8



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

6.30

800000

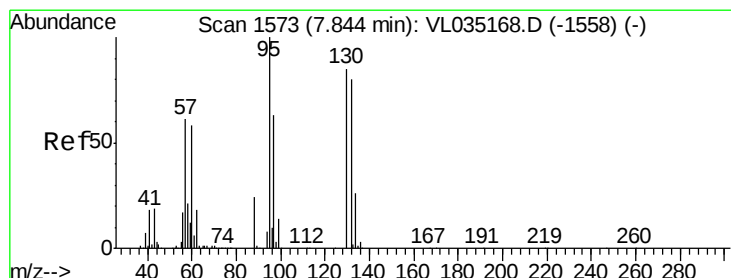
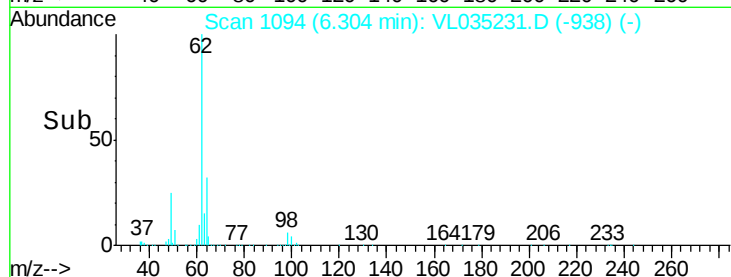
600000

400000

200000

0

Time-->



#38

Trichloroethene

Concen: 10.916 ppbv

RT: 7.85 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VL035231.D

Acq: 23 Jul 2020 17:20

Tgt Ion:130 Resp: 1014290

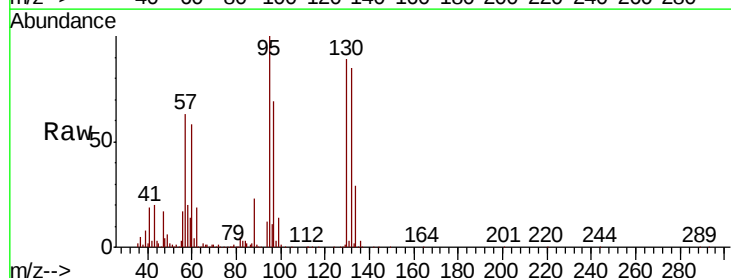
Ion Ratio Lower Upper

130 100

95 112.4 93.8 140.8

132 95.9 75.0 112.4

97 77.5 59.5 89.3



Abundance Ion 130.00 (129.70 to 130.70): VL0

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): VL0

Ion 97.00 (96.70 to 97.70): VL0

800000

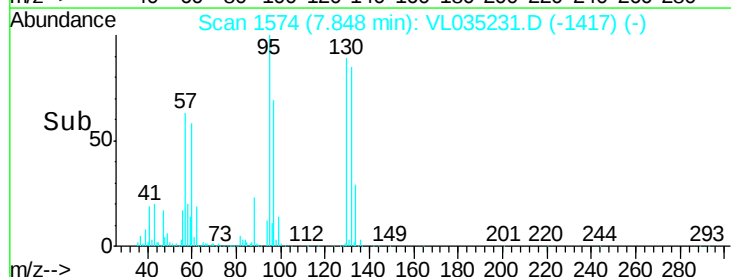
600000

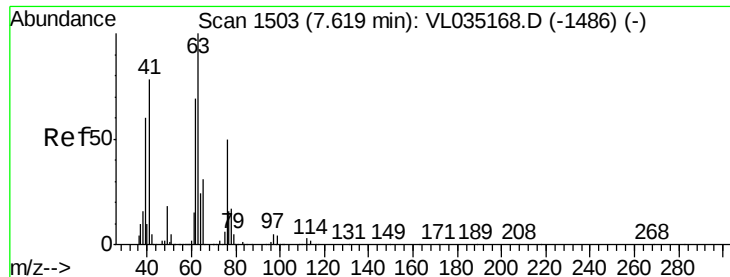
400000

200000

0

Time-->

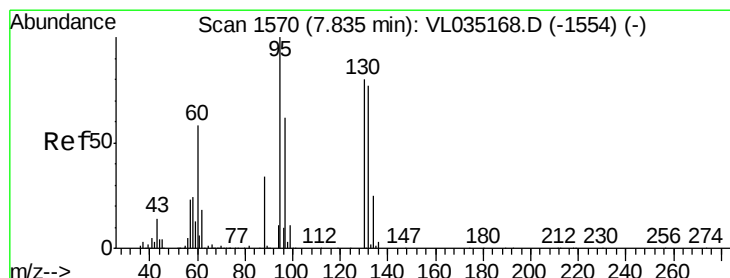
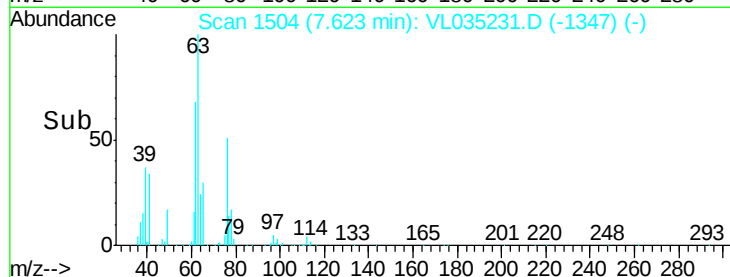
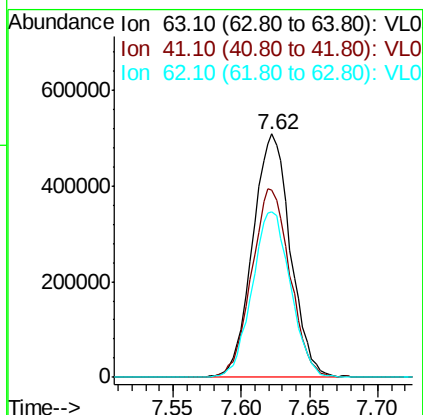
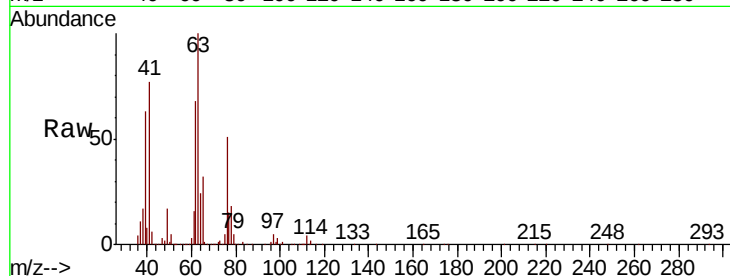




#39
 1,2-Dichloropropane
 Concen: 10.772 ppbv
 RT: 7.62 min Scan# 1504
 Delta R.T. 0.00 min
 Lab File: VL035231.D
 Acq: 23 Jul 2020 17:20

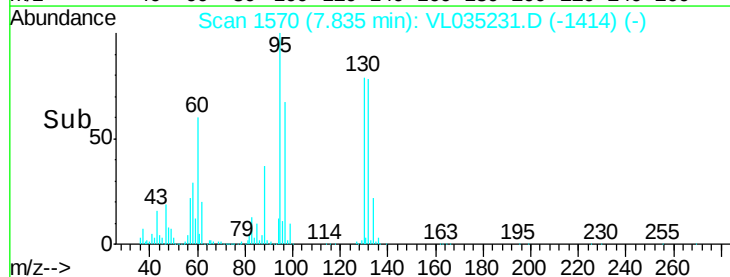
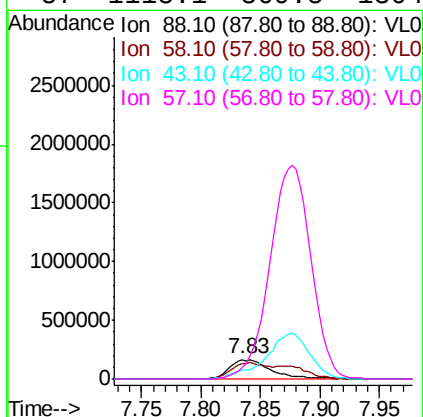
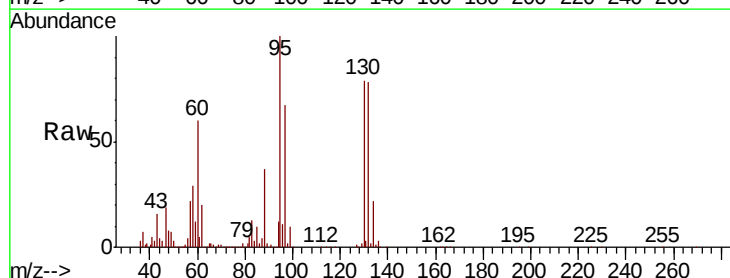
Instrument :
 MSVOA_L
 ClientSampleId :

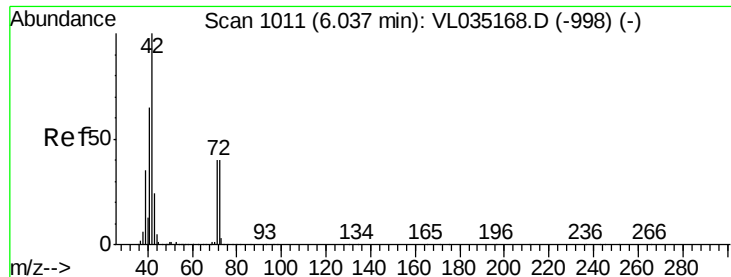
Tot Ion: 63 Resp: 976816
 Ion Ratio Lower Upper
 63 100
 41 76.9 62.6 94.0
 62 67.8 55.0 82.6



#40
 1,4-Dioxane
 Concen: 10.795 ppbv
 RT: 7.83 min Scan# 1570
 Delta R.T. 0.00 min
 Lab File: VL035231.D
 Acq: 23 Jul 2020 17:20

Tgt Ion: 88 Resp: 389723
 Ion Ratio Lower Upper
 88 100
 58 128.4 100.2 150.4
 43 257.3 199.8 299.8
 57 1118.1 869.5 1304.3





#41

Tetrahydrofuran

Concen: 11.194 ppbv

RT: 6.04 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VL035231.D

Acq: 23 Jul 2020 17:20

Instrument :

MSVOA_L

ClientSampleId :

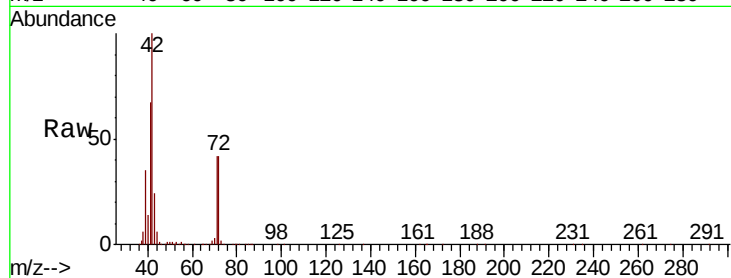
Tot Ion: 42 Resp: 941850

Ion Ratio Lower Upper

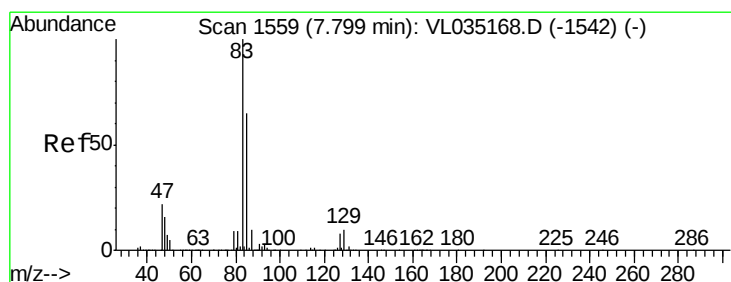
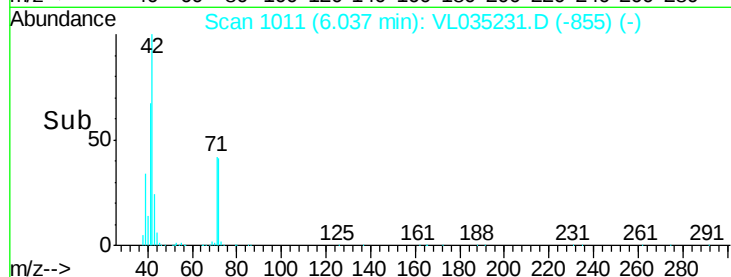
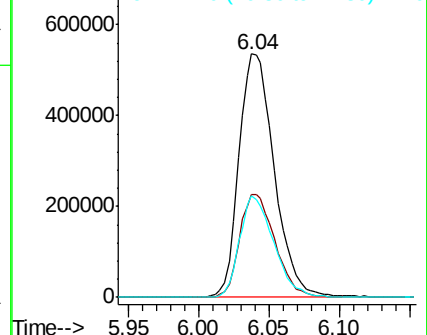
42 100

72 42.6 33.4 50.2

71 40.6 31.9 47.9



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: 10.730 ppbv

RT: 7.80 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VL035231.D

Acq: 23 Jul 2020 17:20

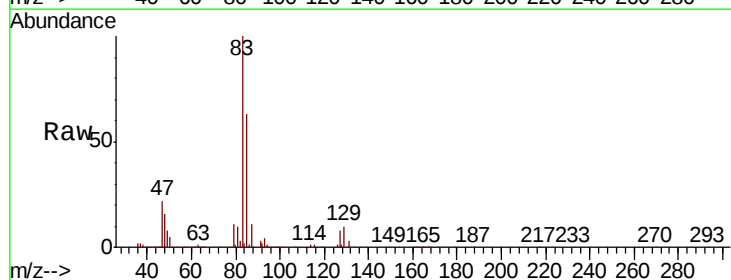
Tgt Ion: 83 Resp: 2192705

Ion Ratio Lower Upper

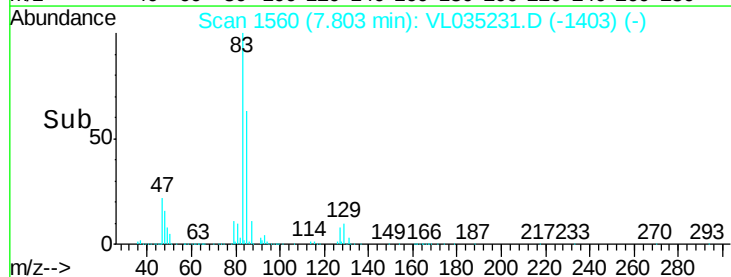
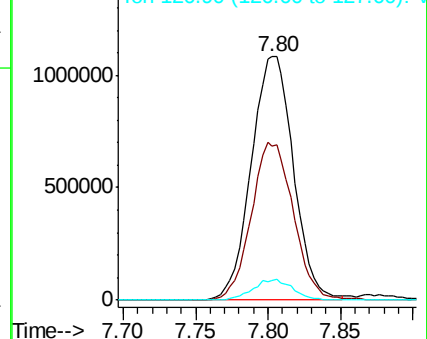
83 100

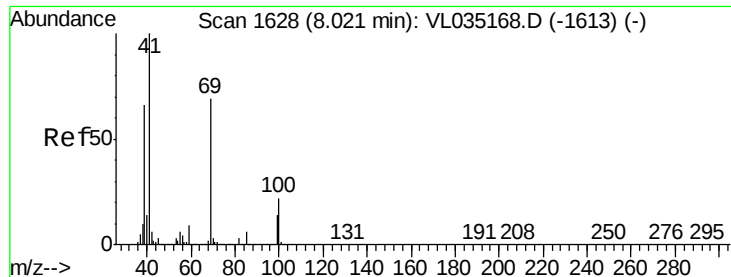
85 63.0 52.2 78.4

127 8.2 6.3 9.5



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

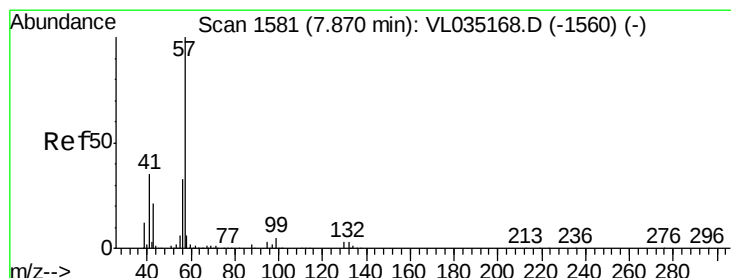
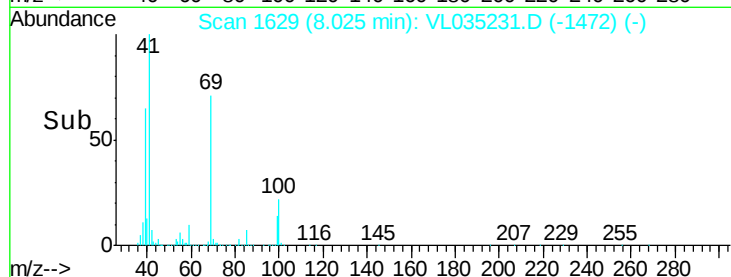
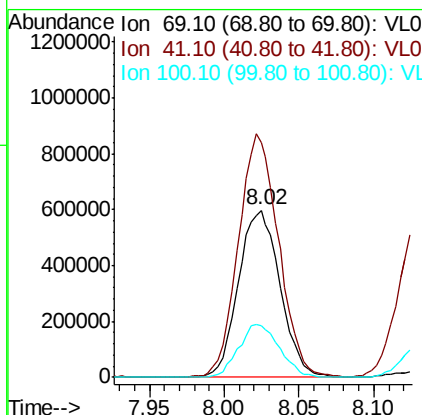
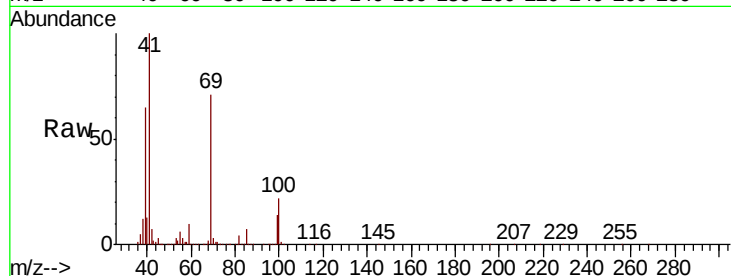




#43
Methvl Methacrylate
Concen: 11.985 ppbv
RT: 8.02 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VL035231.D
Acq: 23 Jul 2020 17:20

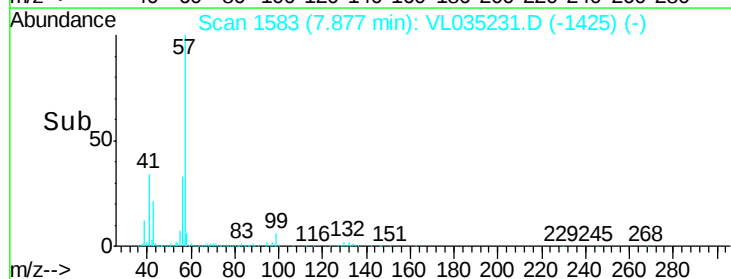
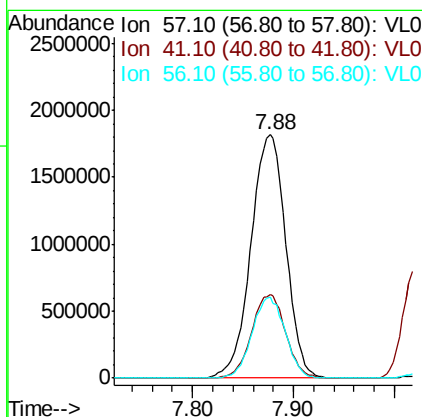
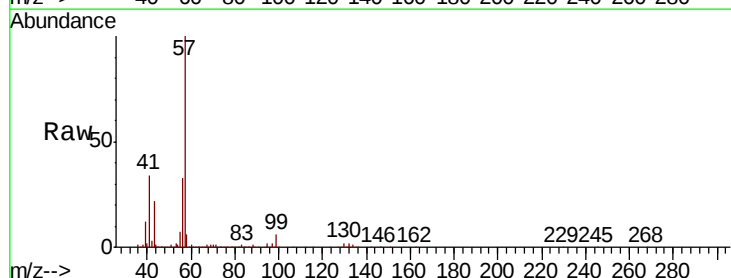
Instrument :
MSVOA_L
ClientSampleId :

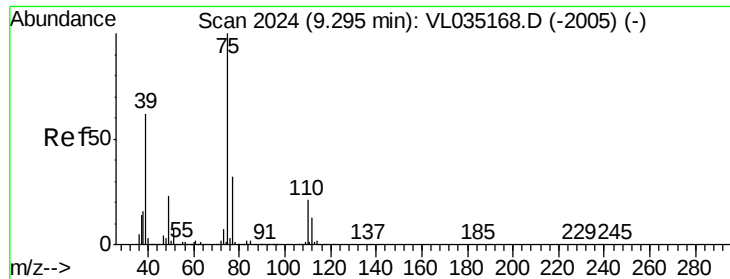
Tot Ion: 69 Resp: 1155267
Ion Ratio Lower Upper
69 100
41 140.9 116.3 174.5
100 31.3 25.6 38.4



#44
2,2,4-Trimethylpentane
Concen: 11.064 ppbv
RT: 7.88 min Scan# 1583
Delta R.T. 0.01 min
Lab File: VL035231.D
Acq: 23 Jul 2020 17:20

Tgt Ion: 57 Resp: 4354661
Ion Ratio Lower Upper
57 100
41 33.5 27.0 40.6
56 31.7 25.5 38.3

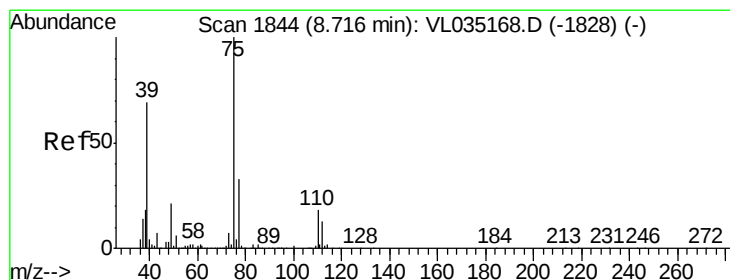
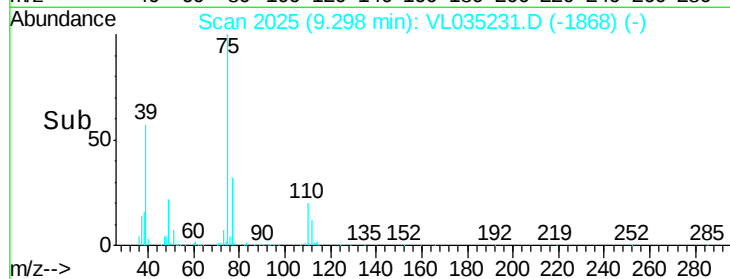
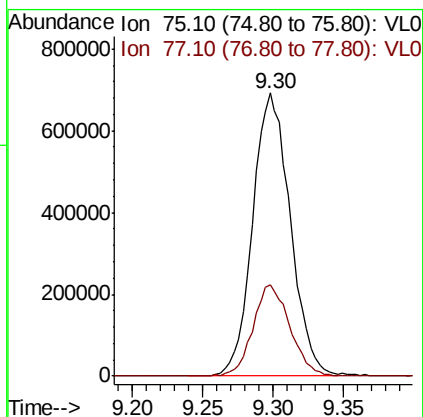
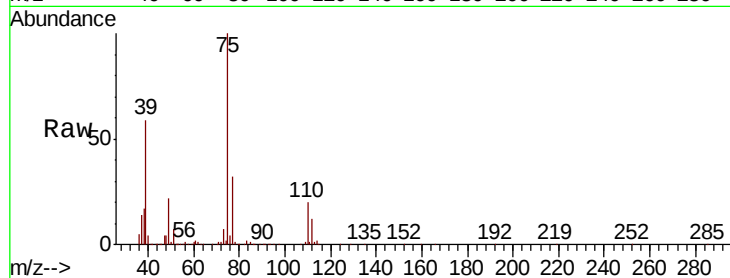




#45
 t-1,3-Dichloropropene
 Concen: 12.729 ppbv
 RT: 9.30 min Scan# 2025
 Delta R.T. 0.00 min
 Lab File: VL035231.D
 Acq: 23 Jul 2020 17:20

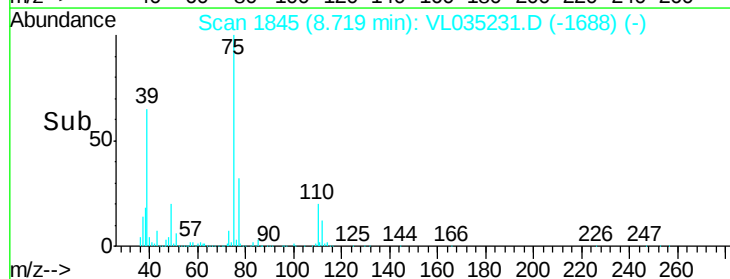
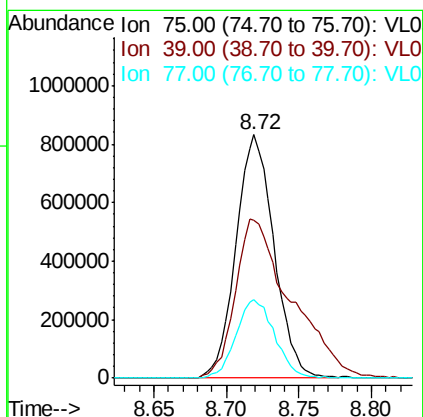
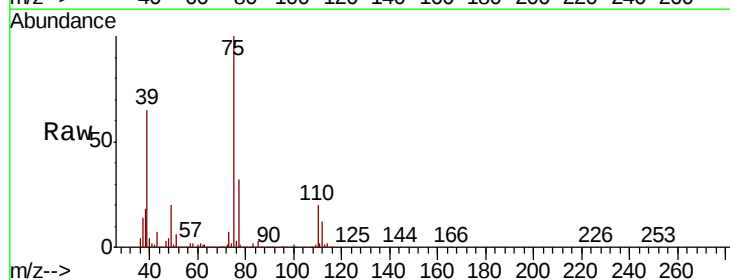
Instrument :
 MSVOA_L
 ClientSampleId :

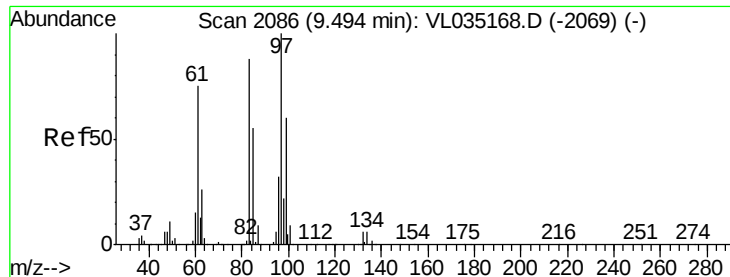
Tot Ion: 75 Resp: 1289089
 Ion Ratio Lower Upper
 75 100
 77 32.2 25.8 38.8



#46
 cis-1,3-Dichloropropene
 Concen: 12.587 ppbv
 RT: 8.72 min Scan# 1845
 Delta R.T. 0.00 min
 Lab File: VL035231.D
 Acq: 23 Jul 2020 17:20

Tgt Ion: 75 Resp: 1511109
 Ion Ratio Lower Upper
 75 100
 39 64.6 55.2 82.8
 77 32.2 26.0 39.0



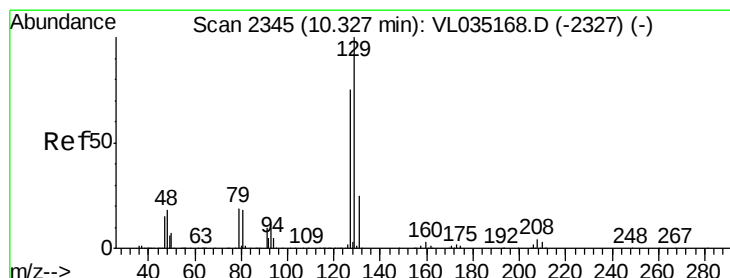
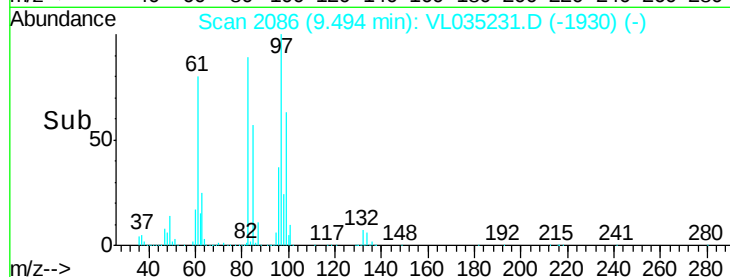
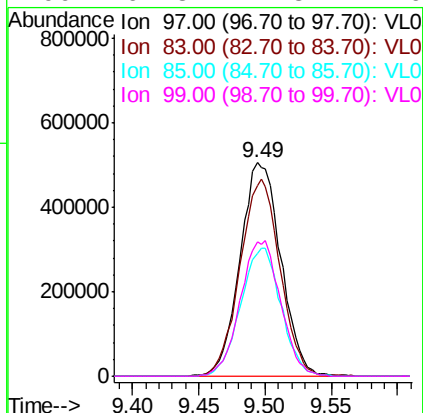
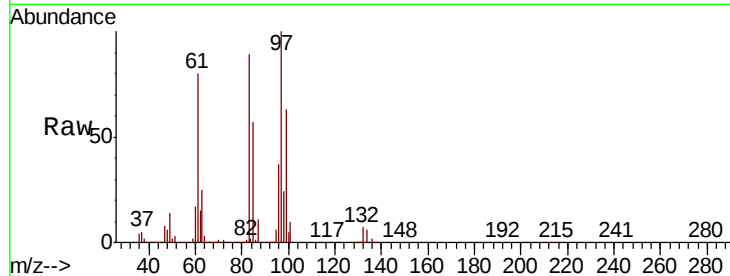


#47
 1,1,2-Trichloroethane
 Concen: 10.867 ppbv
 RT: 9.49 min Scan# 2086
 Delta R.T. 0.00 min
 Lab File: VL035231.D
 Acq: 23 Jul 2020 17:20

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 97 Resp: 1078642

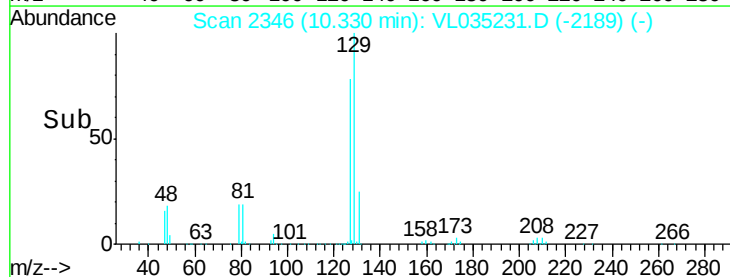
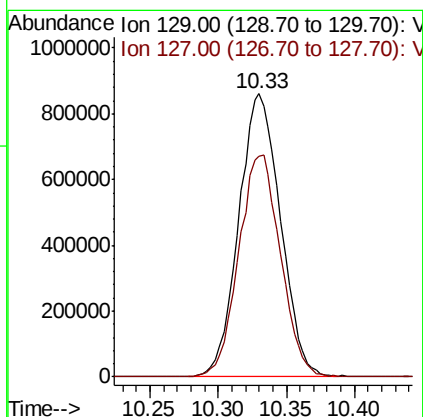
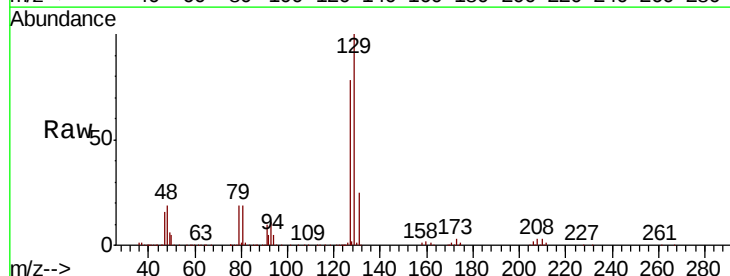
Ion	Ratio	Lower	Upper
97	100		
83	89.2	70.3	105.5
85	57.2	44.3	66.5
99	62.8	47.8	71.6

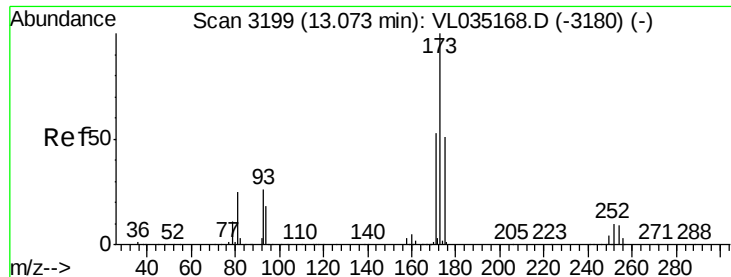


#48
 Dibromochloromethane
 Concen: 11.297 ppbv
 RT: 10.33 min Scan# 2346
 Delta R.T. 0.00 min
 Lab File: VL035231.D
 Acq: 23 Jul 2020 17:20

Tgt Ion: 129 Resp: 1824476

Ion	Ratio	Lower	Upper
129	100		
127	78.8	38.8	116.3





#49

Bromoform

Concen: 11.518 ppbv

RT: 13.08 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VL035231.D

Acq: 23 Jul 2020 17:20

Instrument :

MSVOA_L

ClientSampleId :

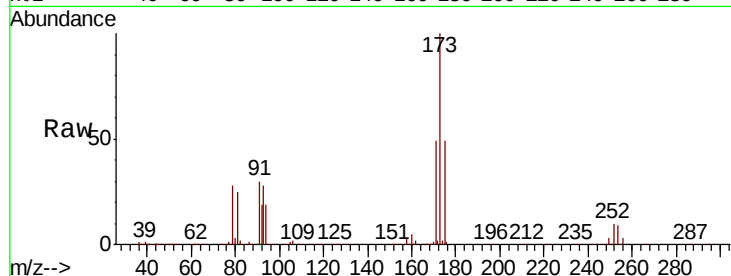
Tot Ion:173 Resp: 1627163

Ion Ratio Lower Upper

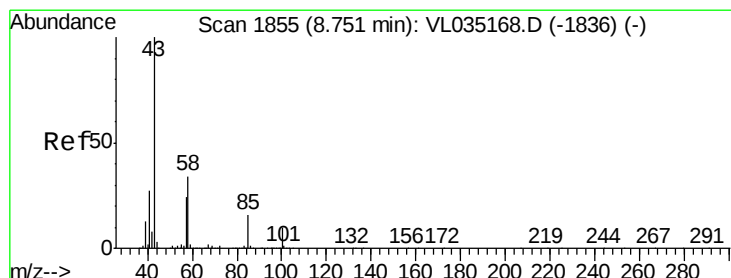
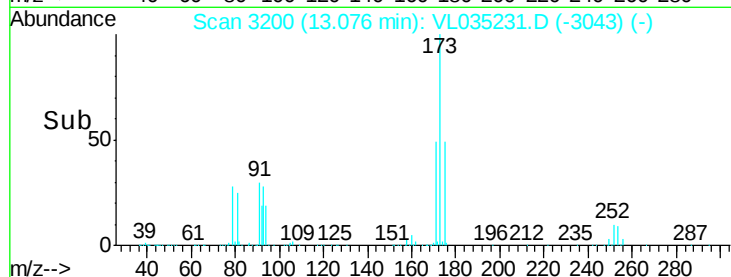
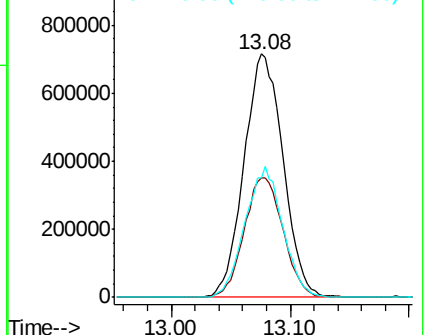
173 100

175 49.2 39.7 59.5

171 51.8 41.6 62.4



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: 11.276 ppbv

RT: 8.75 min Scan# 1855

Delta R.T. 0.00 min

Lab File: VL035231.D

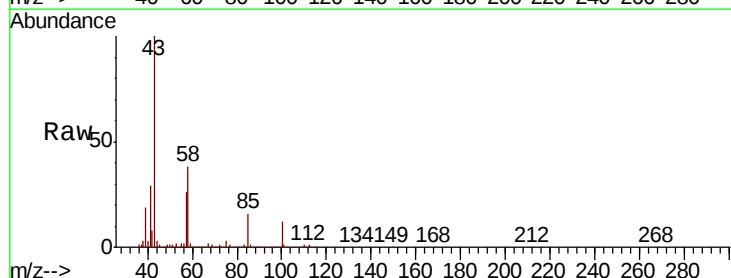
Acq: 23 Jul 2020 17:20

Tgt Ion: 43 Resp: 2721442

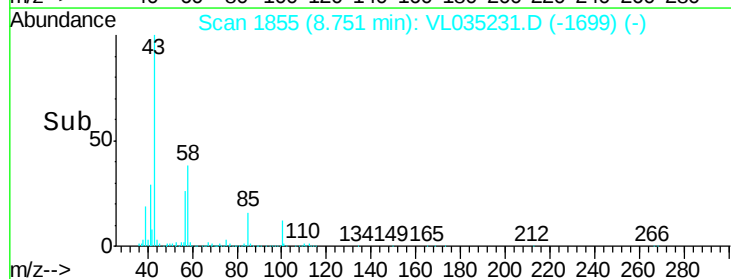
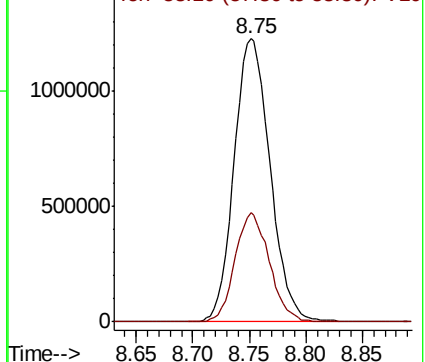
Ion Ratio Lower Upper

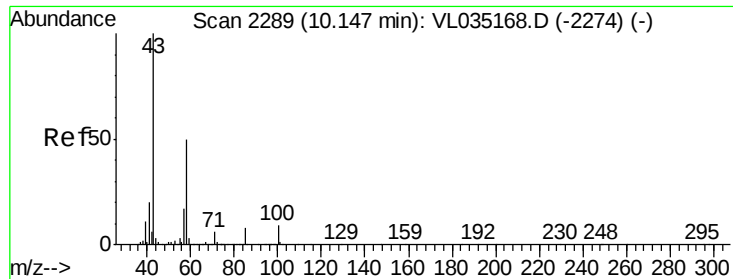
43 100

58 36.8 29.4 44.2



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

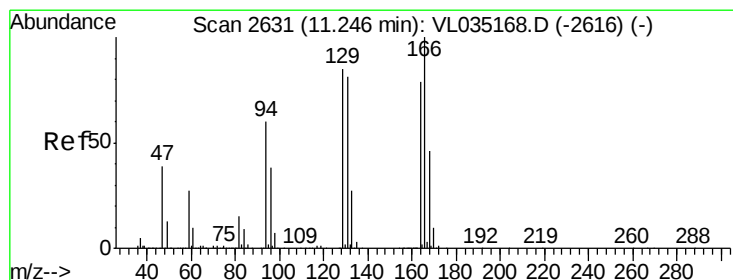
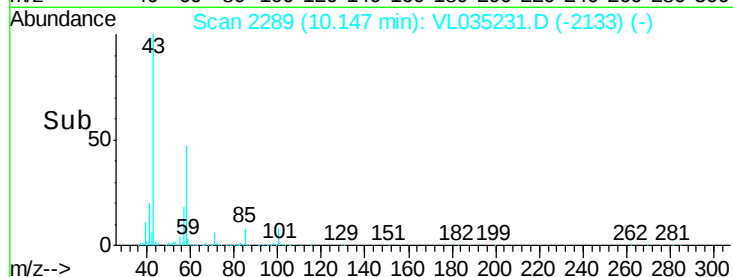
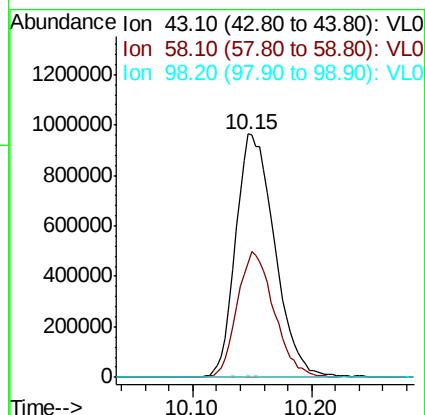
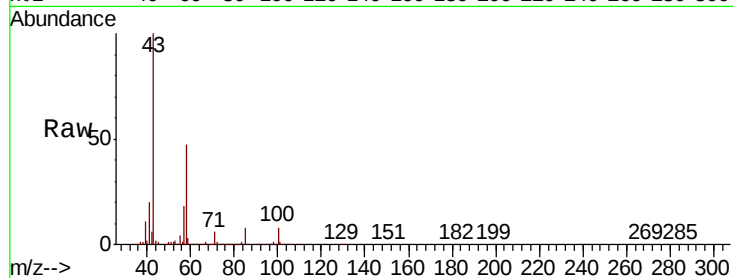




#51
2-Hexanone
Concen: 11.880 ppbv
RT: 10.15 min Scan# 2289
Delta R.T. 0.00 min
Lab File: VL035231.D
Acq: 23 Jul 2020 17:20

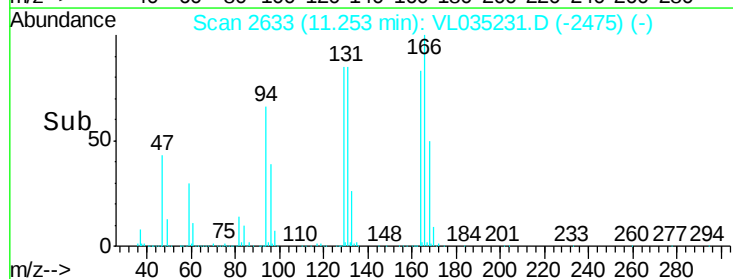
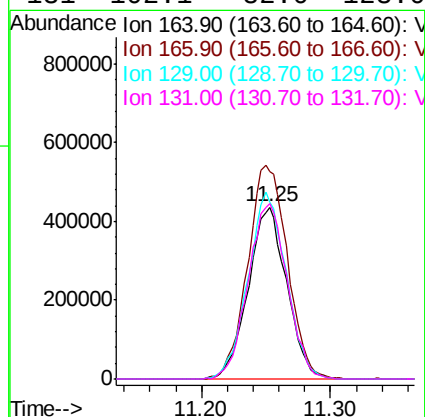
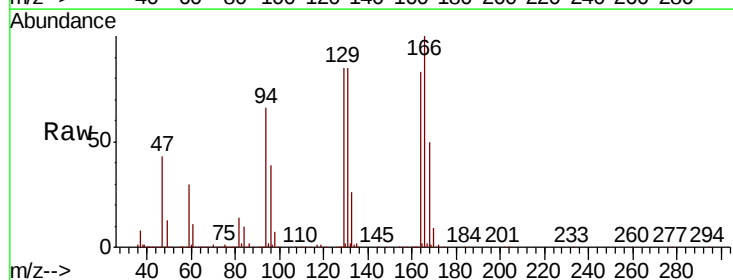
Instrument :
MSVOA_L
ClientSampleId :

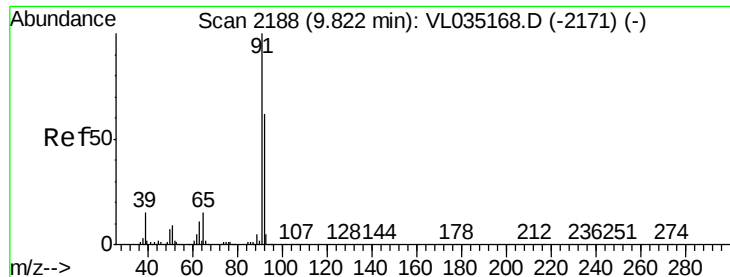
Tot Ion: 43 Resp: 2186320
Ion Ratio Lower Upper
43 100
58 49.1 39.4 59.0
98 0.6 0.3 0.5#



#52
Tetrachloroethene
Concen: 10.626 ppbv
RT: 11.25 min Scan# 2633
Delta R.T. 0.01 min
Lab File: VL035231.D
Acq: 23 Jul 2020 17:20

Tgt Ion:164 Resp: 905001
Ion Ratio Lower Upper
164 100
166 120.4 100.7 151.1
129 102.3 85.8 128.6
131 102.1 82.0 123.0





#53

Toluene

Concen: 12.095 ppbv

RT: 9.83 min Scan# 2189

Delta R.T. 0.00 min

Lab File: VL035231.D

Acq: 23 Jul 2020 17:20

Instrument :

MSVOA_L

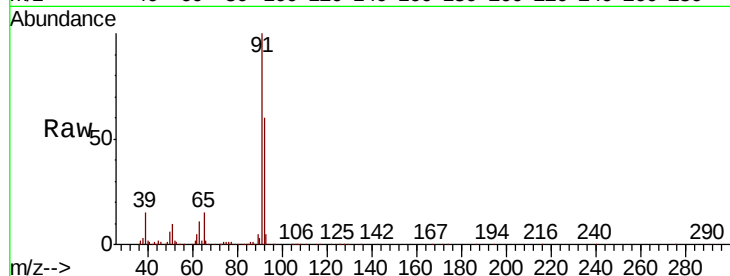
ClientSampleId :

Tot Ion: 91 Resp: 2910697

Ion Ratio Lower Upper

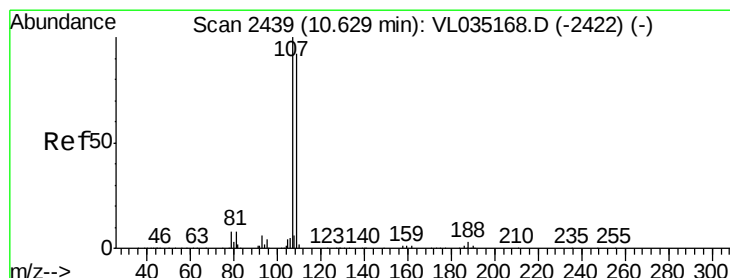
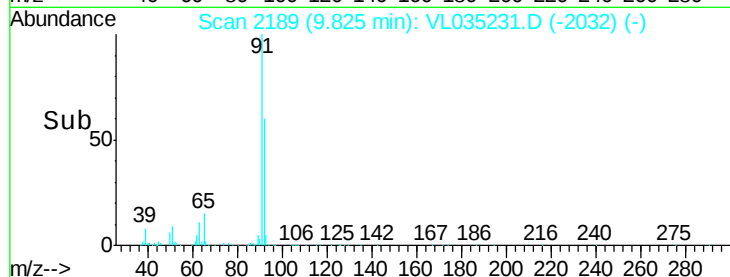
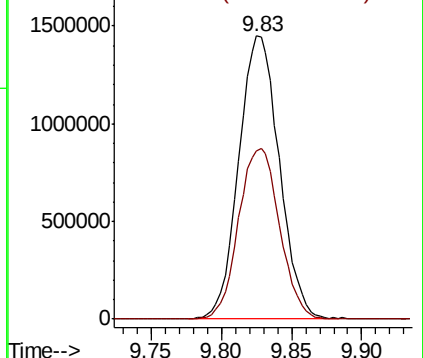
91 100

92 61.2 48.4 72.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 11.107 ppbv

RT: 10.64 min Scan# 2442

Delta R.T. 0.01 min

Lab File: VL035231.D

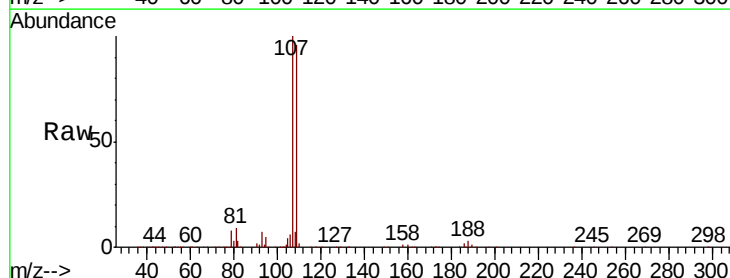
Acq: 23 Jul 2020 17:20

Tgt Ion: 107 Resp: 1636111

Ion Ratio Lower Upper

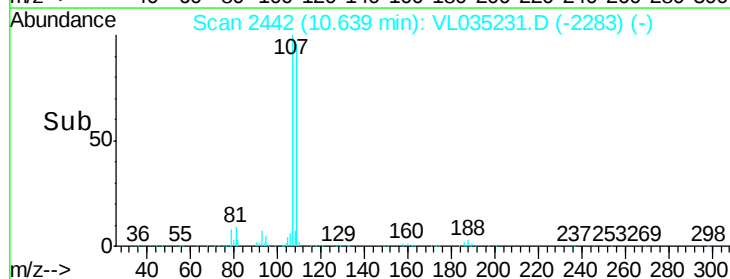
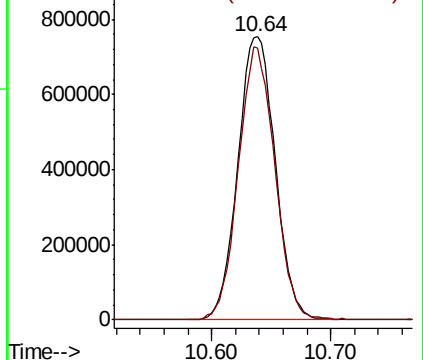
107 100

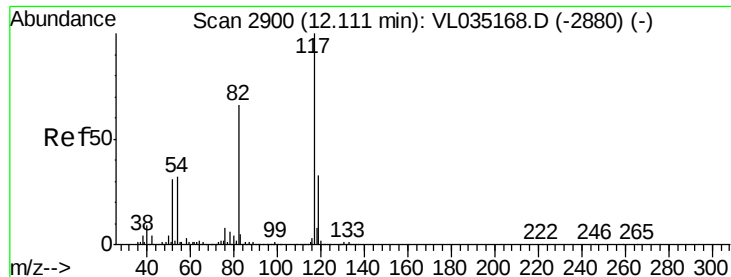
109 96.0 74.0 111.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

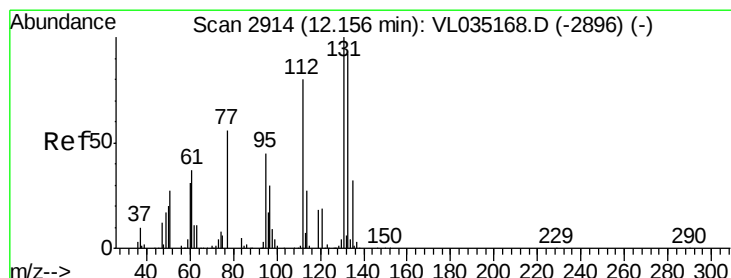
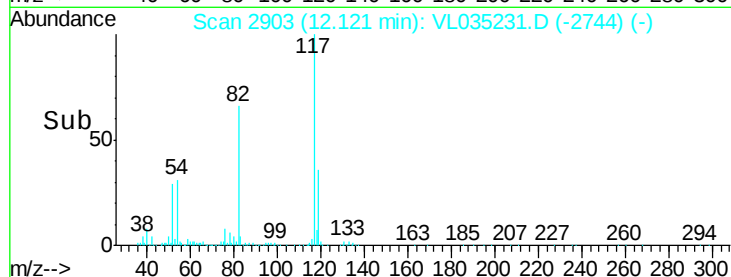
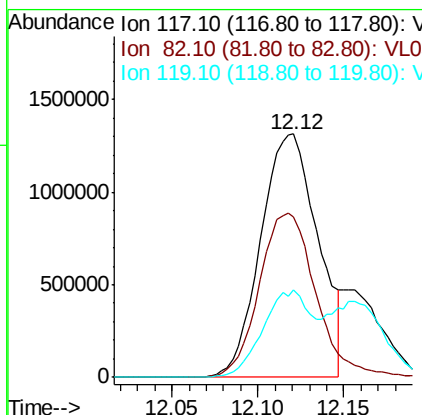
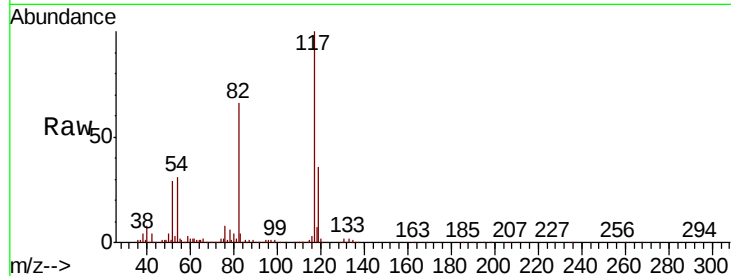




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.12 min Scan# 2903
Delta R.T. 0.01 min
Lab File: VL035231.D
Acq: 23 Jul 2020 17:20

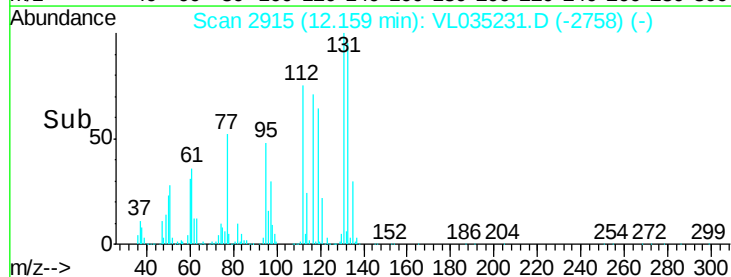
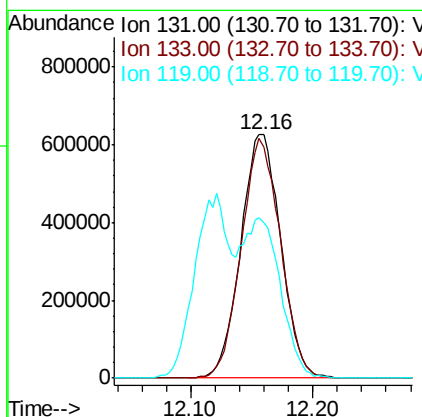
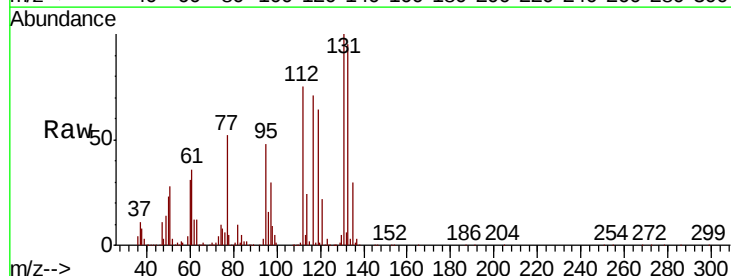
Instrument :
MSVOA_L
ClientSampleId :

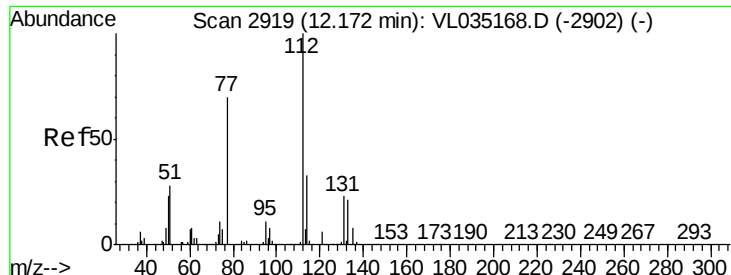
Tot Ion:117 Resp: 3039749
Ion Ratio Lower Upper
117 100
82 67.3 52.3 78.5
119 31.7 24.9 37.3



#56
1,1,1,2-Tetrachloroethane
Concen: 10.518 ppbv
RT: 12.16 min Scan# 2915
Delta R.T. 0.00 min
Lab File: VL035231.D
Acq: 23 Jul 2020 17:20

Tgt Ion:131 Resp: 1416551
Ion Ratio Lower Upper
131 100
133 96.9 75.4 113.2
119 62.9 42.4 63.6

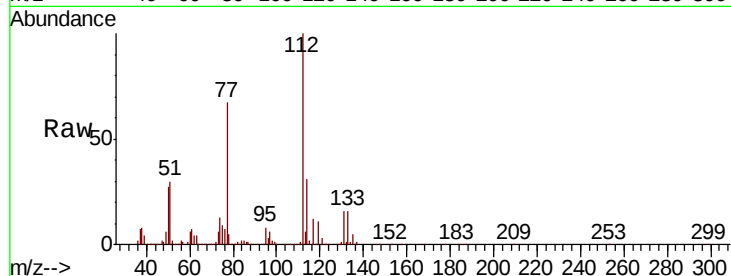




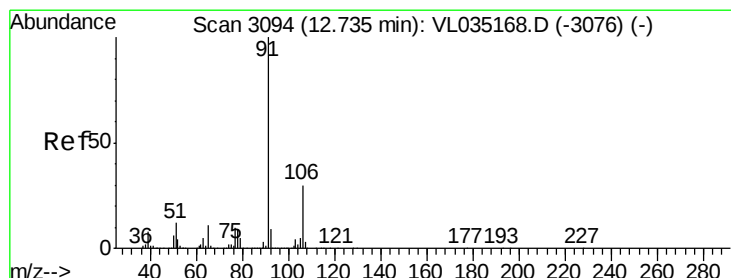
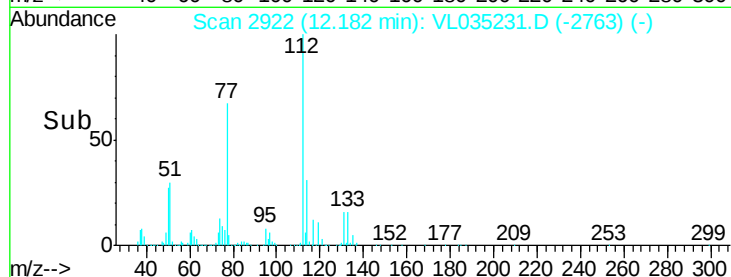
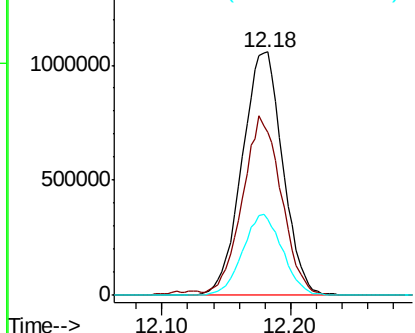
#57
Chlorobenzene
Concen: 10.315 ppbv
RT: 12.18 min Scan# 2922
Delta R.T. 0.01 min
Lab File: VL035231.D
Acq: 23 Jul 2020 17:20

Instrument :
MSVOA_L
ClientSampled :

Tot Ion:112 Resp: 2311049
Ion Ratio Lower Upper
112 100
77 66.8 57.0 85.4
114 30.9 30.2 37.0

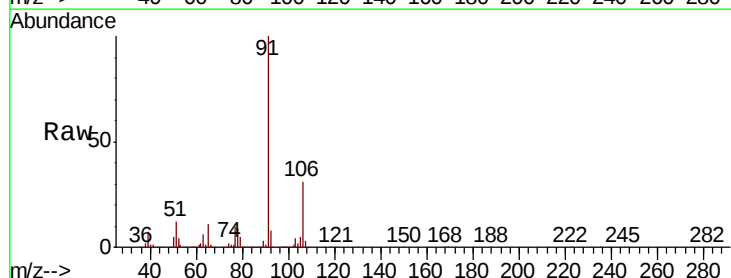


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

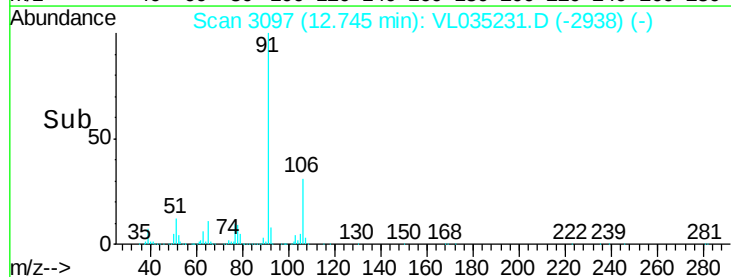
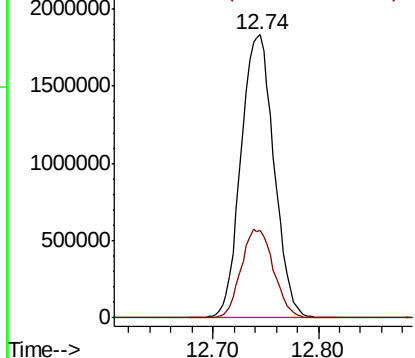


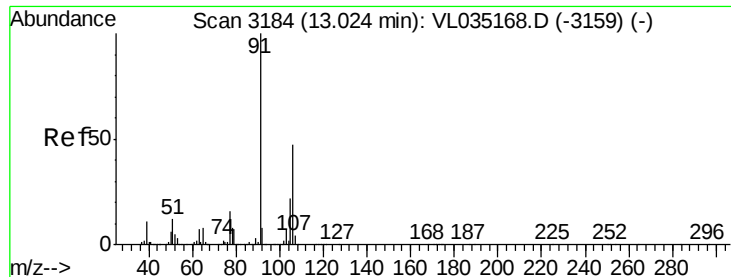
#58
Ethyl Benzene
Concen: 11.872 ppbv
RT: 12.74 min Scan# 3097
Delta R.T. 0.01 min
Lab File: VL035231.D
Acq: 23 Jul 2020 17:20

Tgt Ion: 91 Resp: 3988789
Ion Ratio Lower Upper
91 100
106 31.0 24.2 36.2



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





#59

m/p-Xylene

Concen: 10.003 ppbv

RT: 13.03 min Scan# 3185

Delta R.T. 0.00 min

Lab File: VL035231.D

Acq: 23 Jul 2020 17:20

Instrument :

MSVOA_L

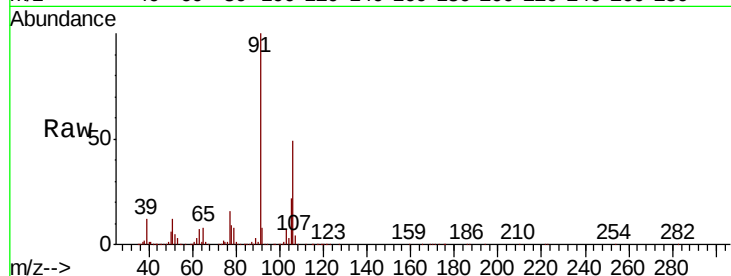
ClientSampleId :

Tot Ion: 91 Resp: 2995372

Ion Ratio Lower Upper

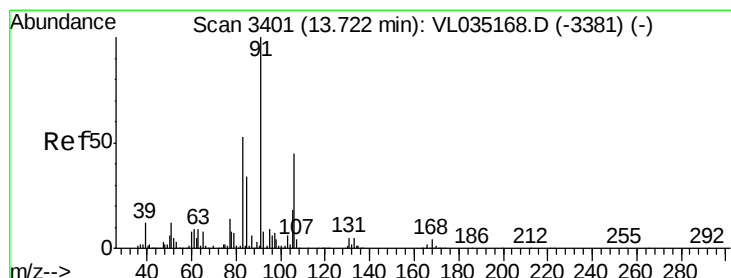
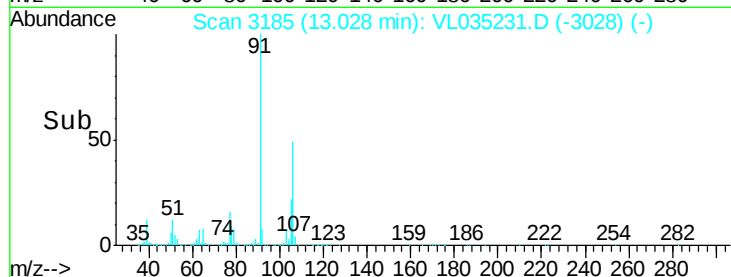
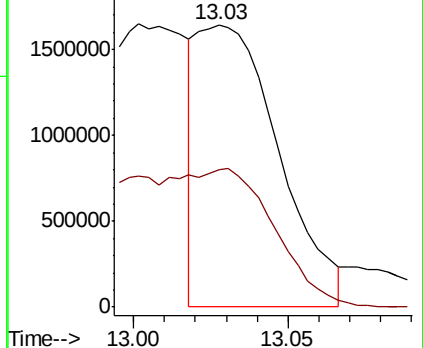
91 100

106 103.7 36.2 54.2#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#60

o-Xylene

Concen: 11.189 ppbv

RT: 13.73 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VL035231.D

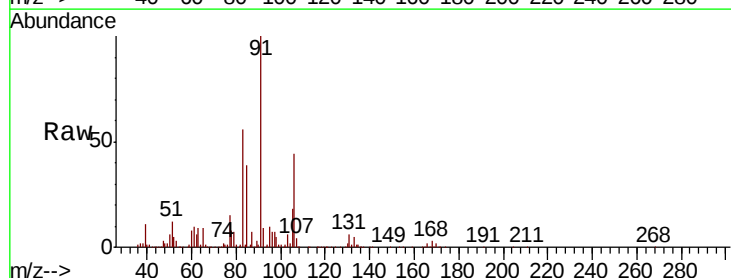
Acq: 23 Jul 2020 17:20

Tgt Ion: 91 Resp: 3342946

Ion Ratio Lower Upper

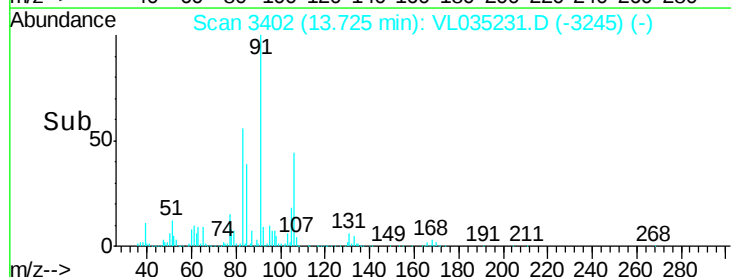
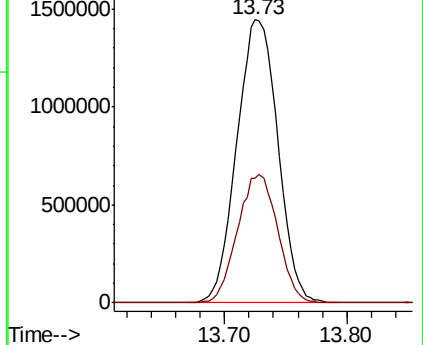
91 100

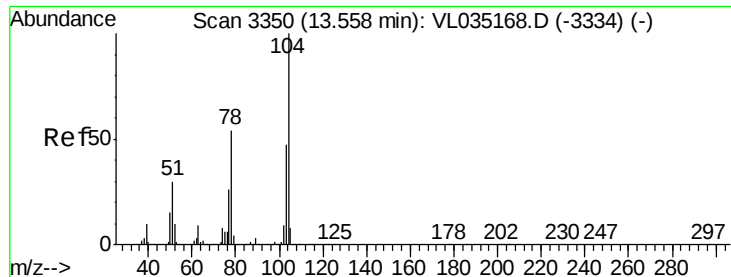
106 44.5 22.1 66.3



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#61

Stvrene

Concen: 12.824 ppbv

RT: 13.56 min Scan# 3352

Delta R.T. 0.01 min

Lab File: VL035231.D

Acq: 23 Jul 2020 17:20

Instrument :

MSVOA_L

ClientSampleId :

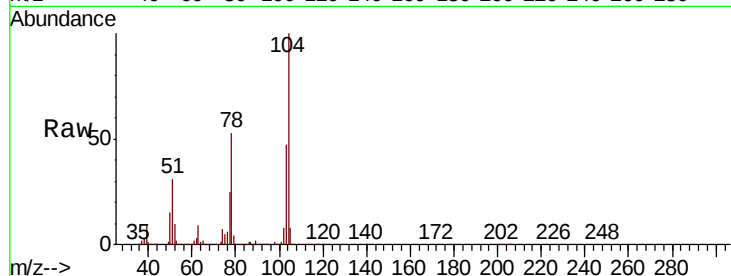
Tot Ion:104 Resp: 2367513

Ion Ratio Lower Upper

104 100

78 54.1 43.4 65.0

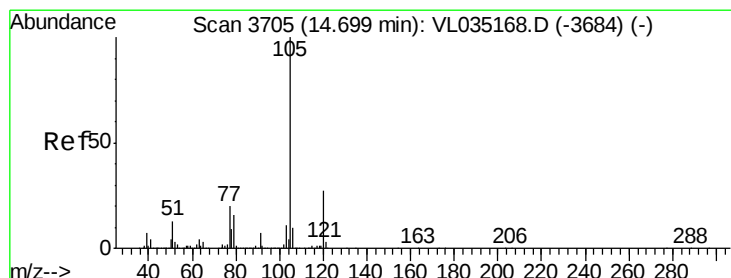
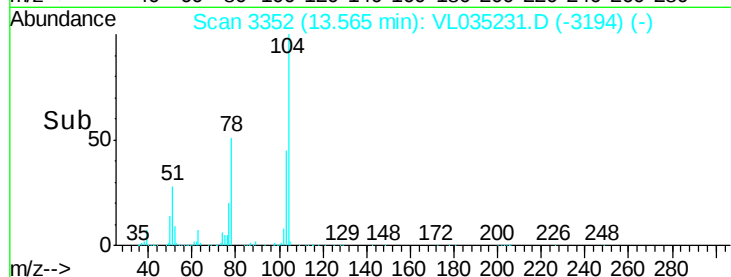
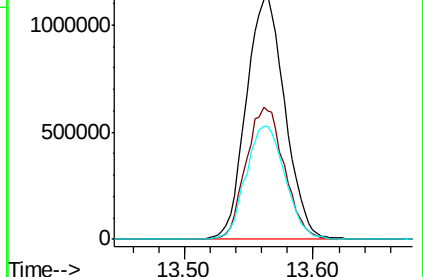
103 47.5 37.4 56.0



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 11.171 ppbv

RT: 14.70 min Scan# 3706

Delta R.T. 0.00 min

Lab File: VL035231.D

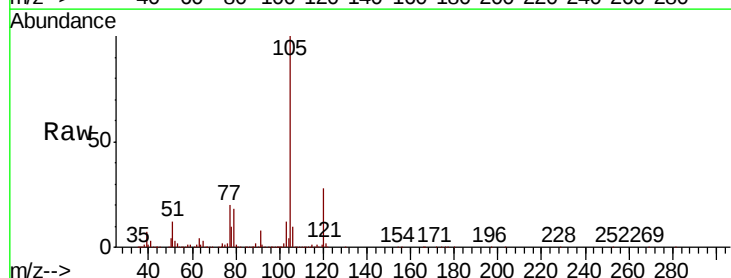
Acq: 23 Jul 2020 17:20

Tgt Ion:105 Resp: 4946997

Ion Ratio Lower Upper

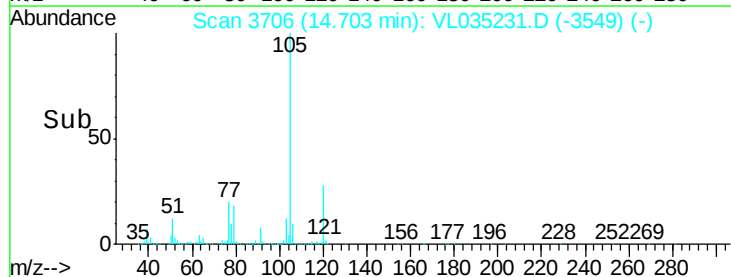
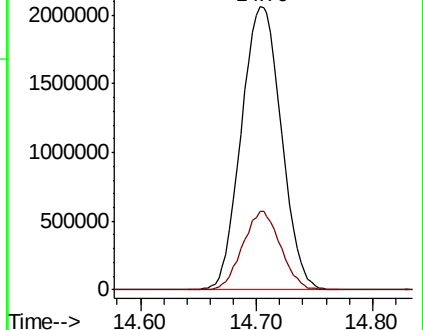
105 100

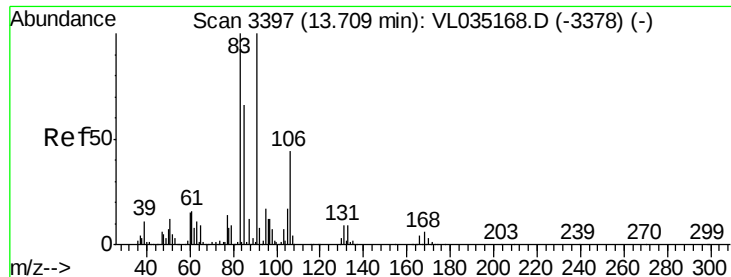
120 26.3 20.7 31.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

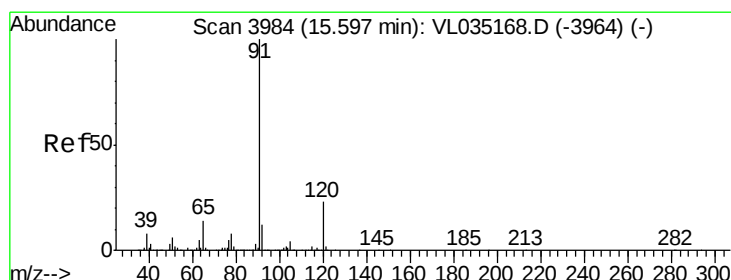
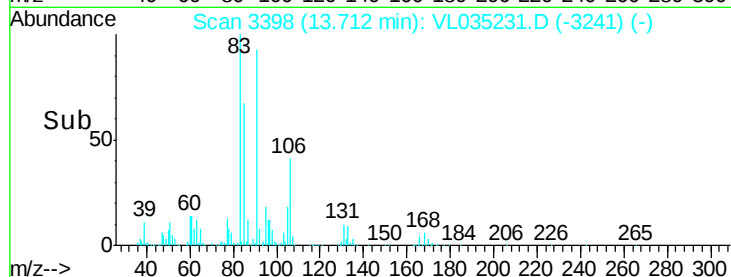
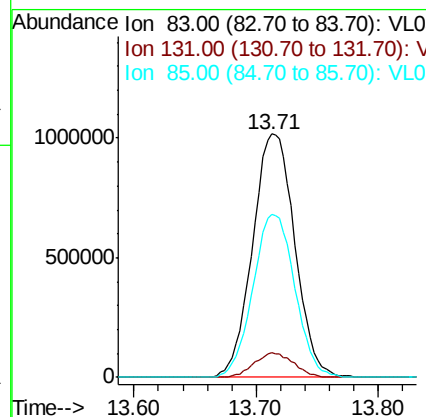
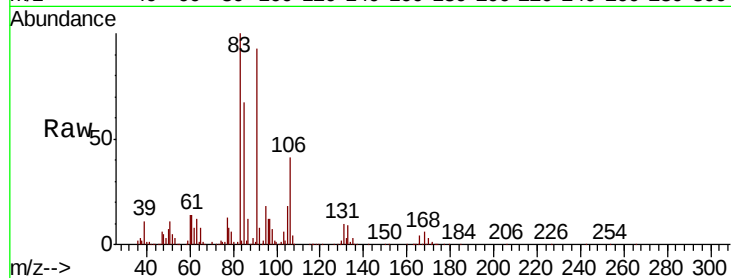




#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.732 ppbv
 RT: 13.71 min Scan# 3398
 Delta R.T. 0.00 min
 Lab File: VL035231.D
 Acq: 23 Jul 2020 17:20

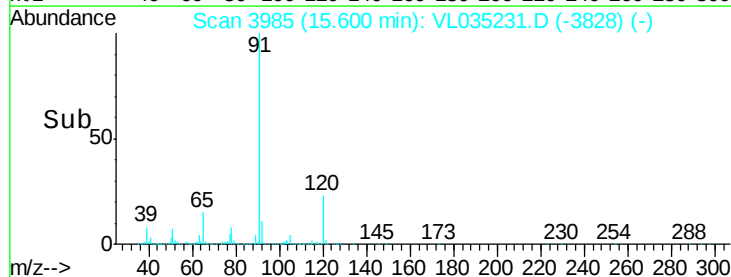
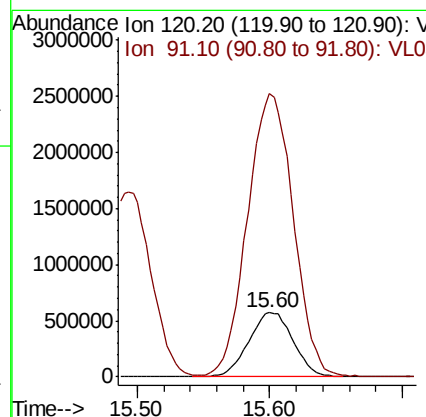
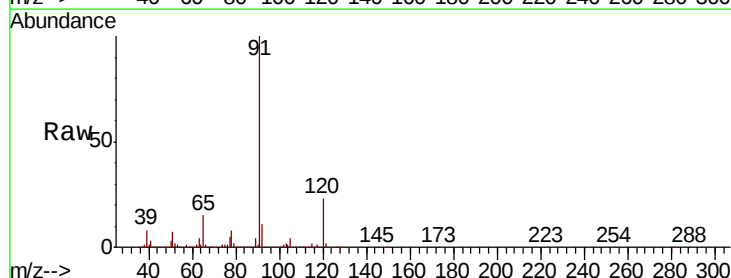
Instrument :
 MSVOA_L
 ClientSampleId :

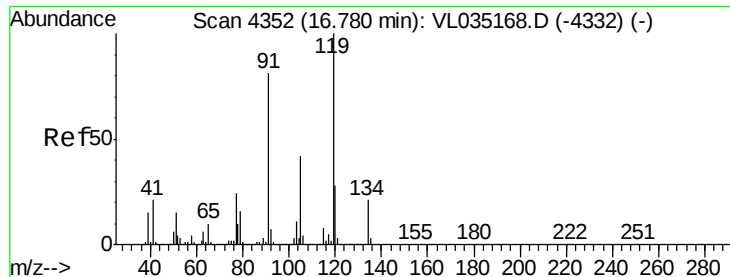
Tot Ion: 83 Resp: 2429712
 Ion Ratio Lower Upper
 83 100
 131 9.5 4.7 14.0
 85 66.7 33.0 99.0



#64
 n-propylbenzene
 Concen: 11.658 ppbv
 RT: 15.60 min Scan# 3985
 Delta R.T. 0.00 min
 Lab File: VL035231.D
 Acq: 23 Jul 2020 17:20

Tgt Ion:120 Resp: 1333629
 Ion Ratio Lower Upper
 120 100
 91 455.9 372.4 558.6





#65

tert-Butylbenzene

Concen: 11.161 ppbv

RT: 16.79 min Scan# 4354

Delta R.T. 0.01 min

Lab File: VL035231.D

Acq: 23 Jul 2020 17:20

Instrument :

MSVOA_L

ClientSampleId :

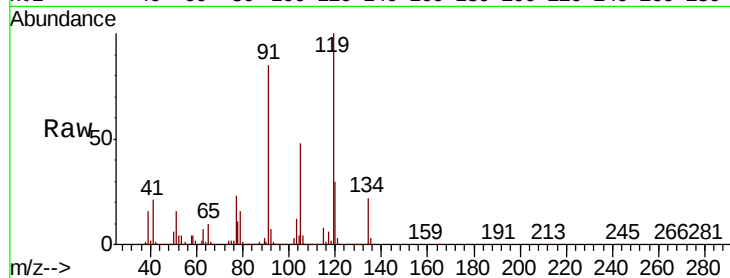
Tot Ion:119 Resp: 4438928

Ion	Ratio	Lower	Upper
119	100		
91	84.4	67.5	101.3
134	20.1	16.0	24.0

119 100

91 84.4 67.5 101.3

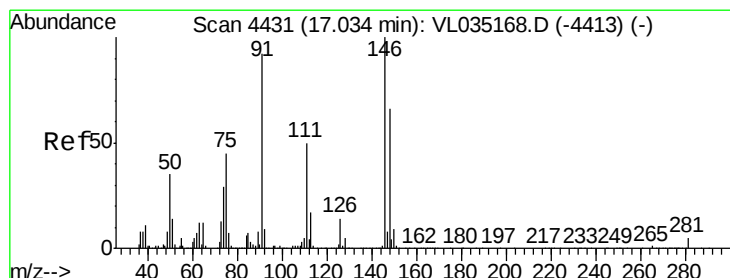
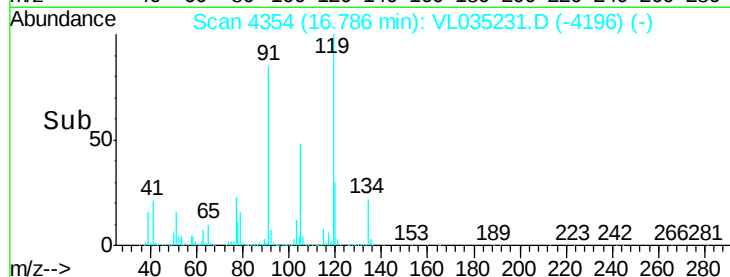
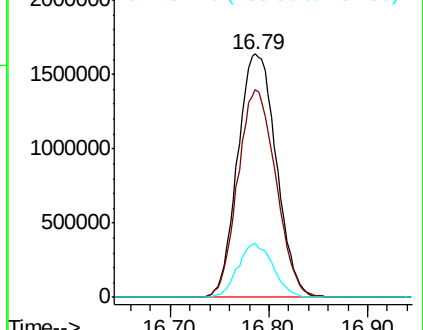
134 20.1 16.0 24.0



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: 12.537 ppbv

RT: 17.03 min Scan# 4431

Delta R.T. 0.00 min

Lab File: VL035231.D

Acq: 23 Jul 2020 17:20

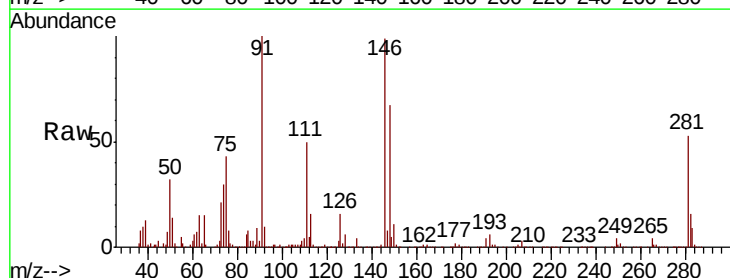
Tgt Ion: 91 Resp: 1776455

Ion	Ratio	Lower	Upper
91	100		
126	17.0	13.9	20.9
128	5.4	4.2	6.4

91 100

126 17.0 13.9 20.9

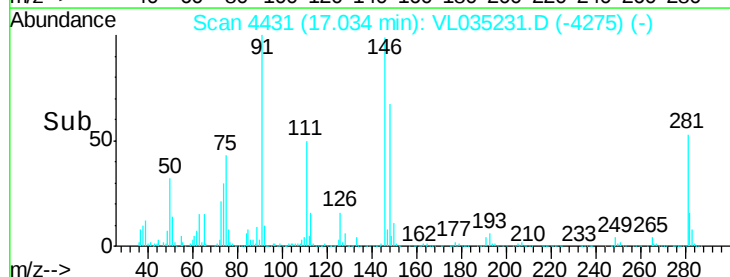
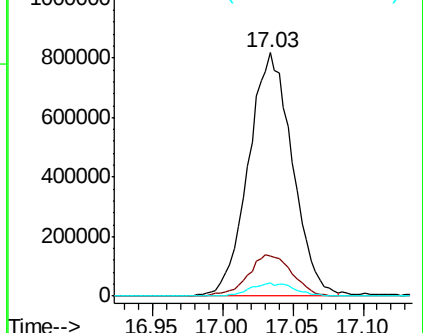
128 5.4 4.2 6.4

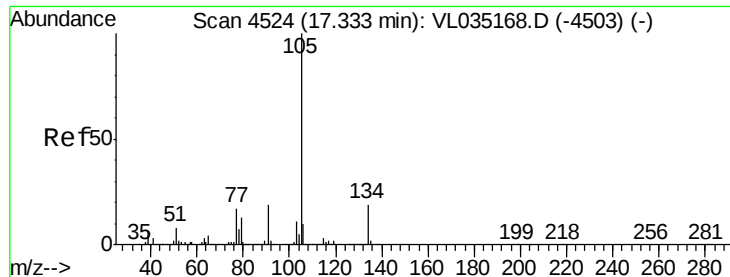


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 10.872 ppbv

RT: 17.34 min Scan# 4526

Delta R.T. 0.01 min

Lab File: VL035231.D

Acq: 23 Jul 2020 17:20

Instrument :

MSVOA_L

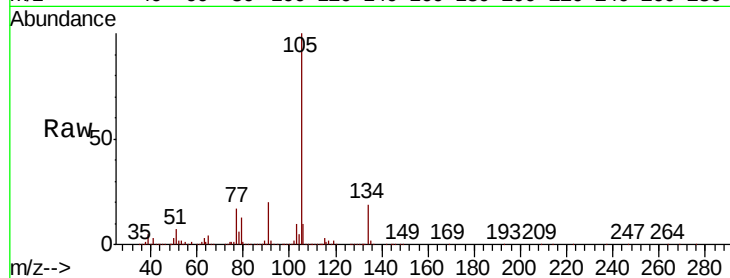
ClientSampled :

Tot Ion:105 Resp: 6304028

Ion Ratio Lower Upper

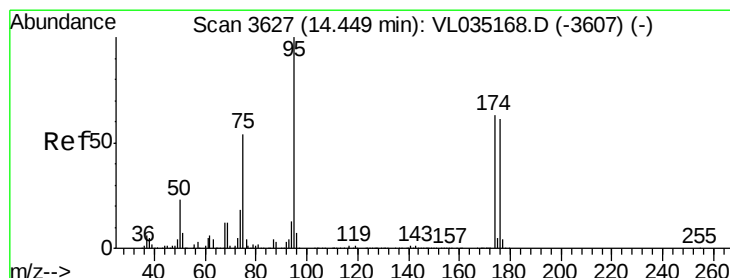
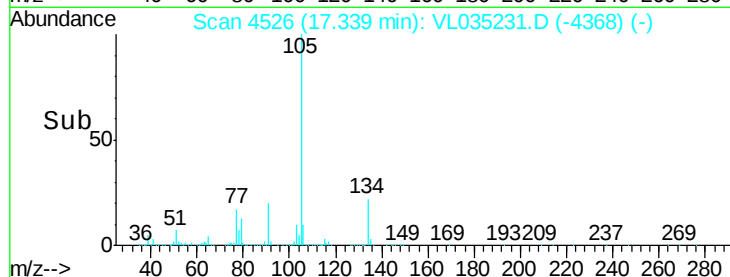
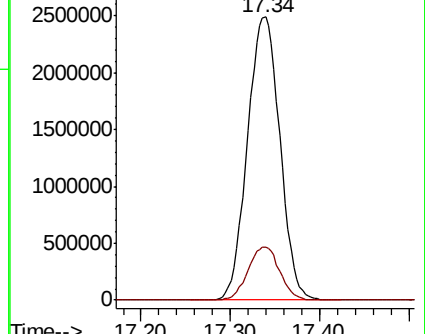
105 100

134 18.3 14.6 21.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.025 ppbv

RT: 14.46 min Scan# 3629

Delta R.T. 0.01 min

Lab File: VL035231.D

Acq: 23 Jul 2020 17:20

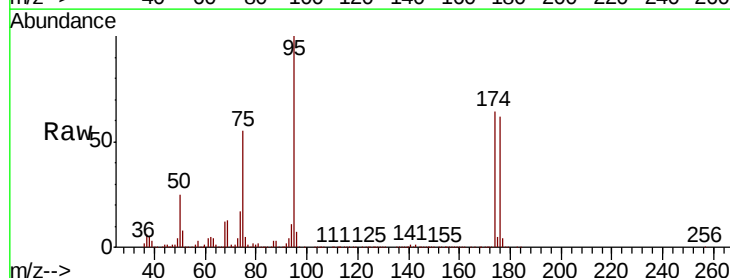
Tgt Ion: 95 Resp: 2475495

Ion Ratio Lower Upper

95 100

174 65.4 52.2 78.2

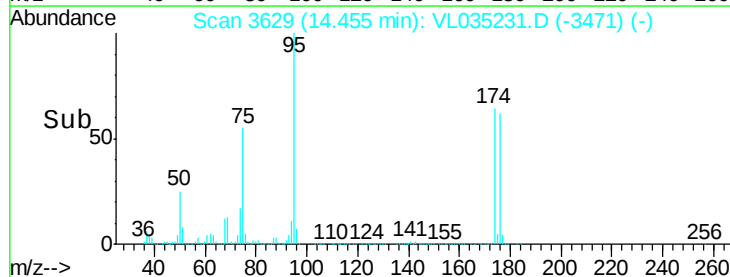
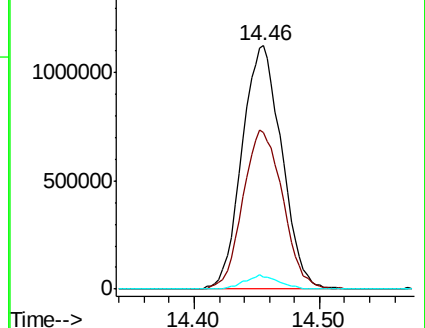
175 5.0 4.0 6.0

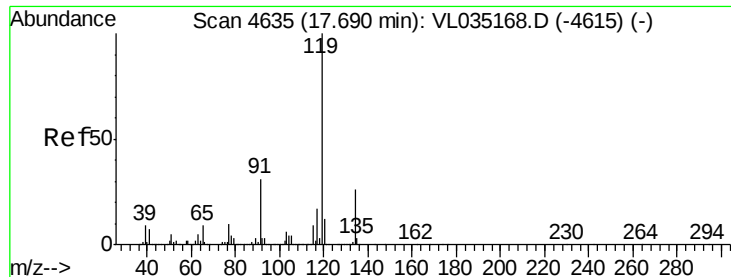


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

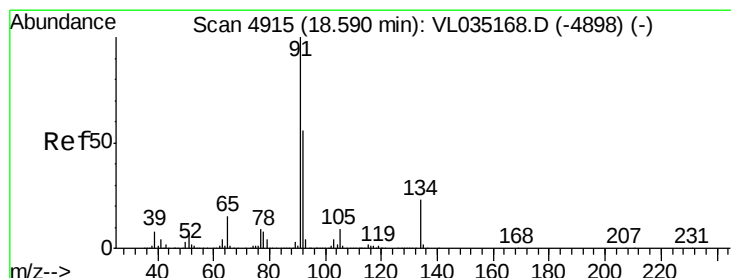
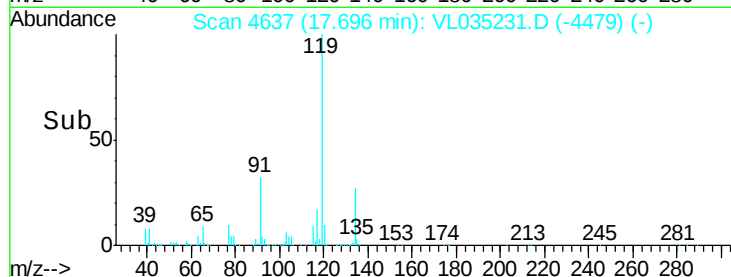
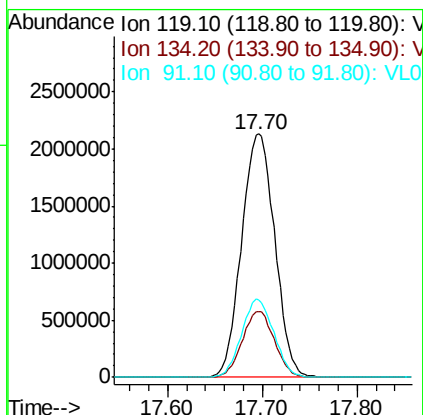
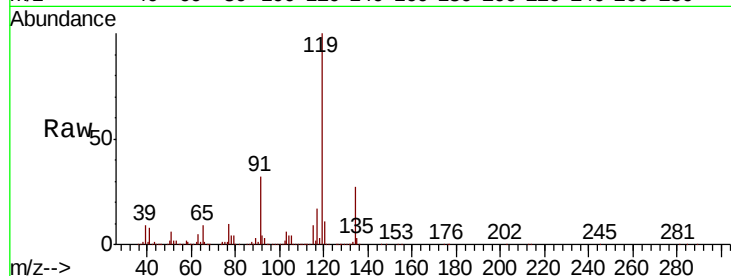




#69
 p-Isopropyltoluene
 Concen: 11.428 ppbv
 RT: 17.70 min Scan# 4637
 Delta R.T. 0.01 min
 Lab File: VL035231.D
 Acq: 23 Jul 2020 17:20

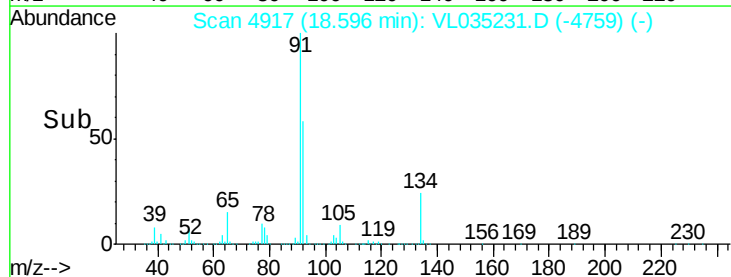
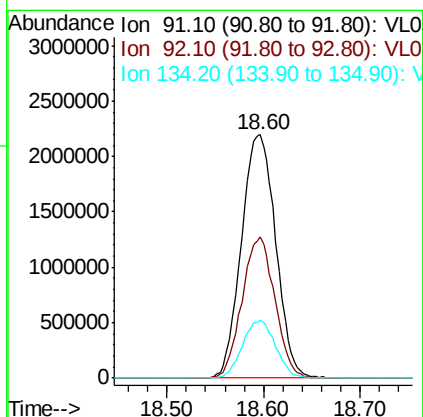
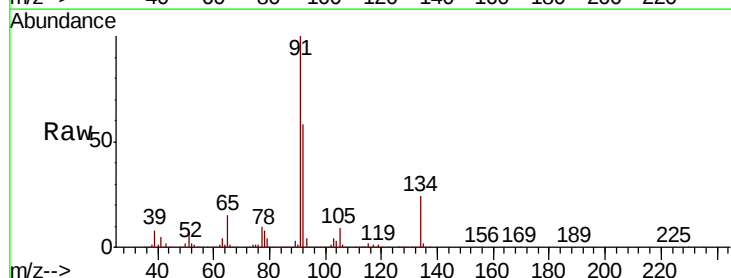
Instrument :
 MSVOA_L
 ClientSampled :

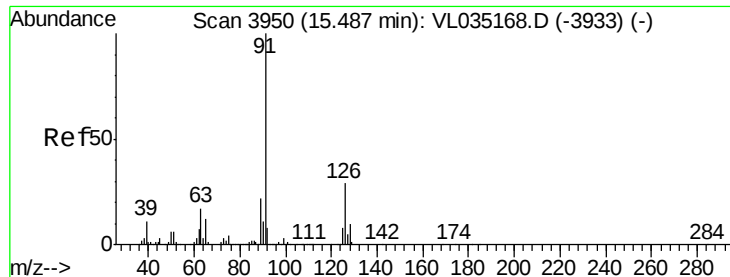
Tot Ion:119 Resp: 5193350
 Ion Ratio Lower Upper
 119 100
 134 26.3 20.8 31.2
 91 31.2 24.9 37.3



#70
 n-Butylbenzene
 Concen: 11.217 ppbv
 RT: 18.60 min Scan# 4917
 Delta R.T. 0.01 min
 Lab File: VL035231.D
 Acq: 23 Jul 2020 17:20

Tgt Ion: 91 Resp: 5404891
 Ion Ratio Lower Upper
 91 100
 92 55.4 44.0 66.0
 134 22.9 18.0 27.0

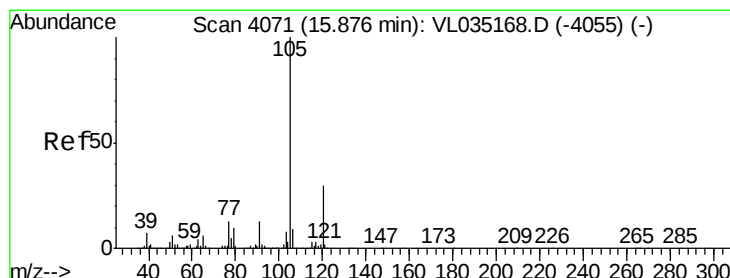
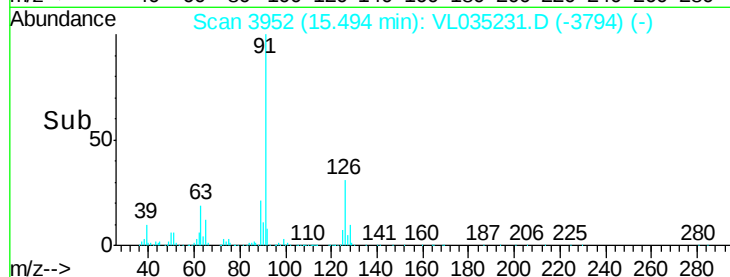
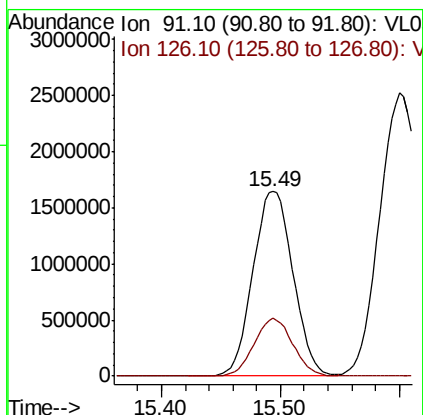
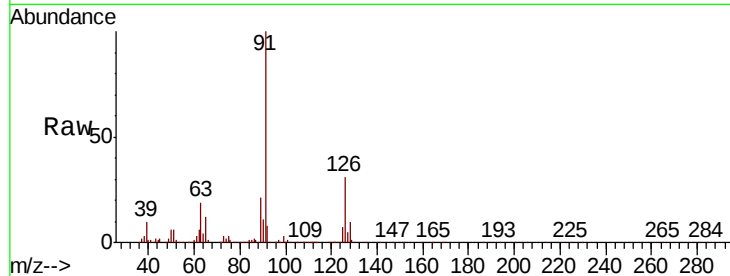




#71
 2-Chlorotoluene
 Concen: 11.470 ppbv
 RT: 15.49 min Scan# 3952
 Delta R.T. 0.01 min
 Lab File: VL035231.D
 Acq: 23 Jul 2020 17:20

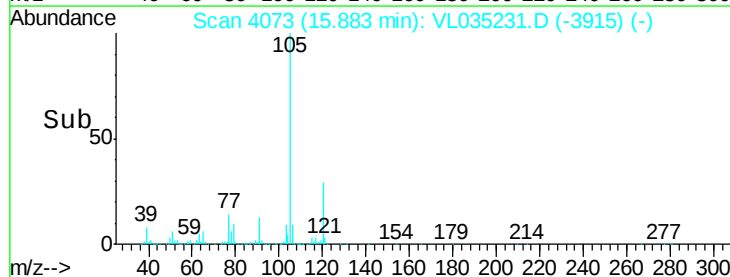
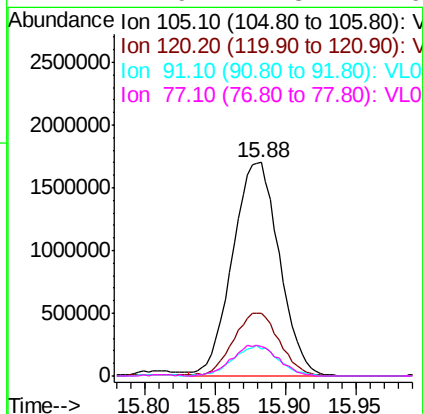
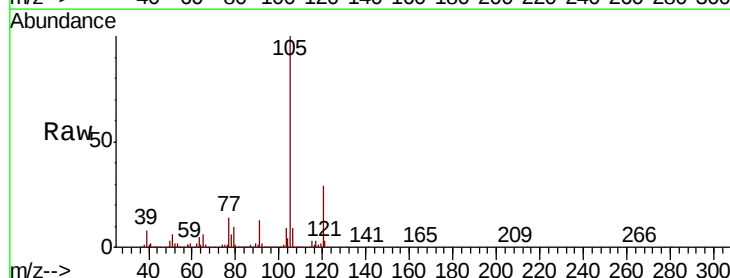
Instrument :
 MSVOA_L
 ClientSampled :

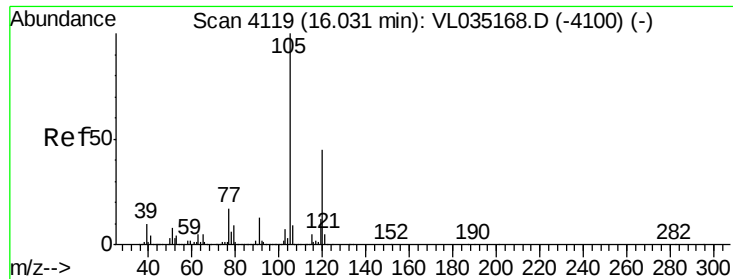
Tot Ion: 91 Resp: 3843243
 Ion Ratio Lower Upper
 91 100
 126 30.0 12.0 48.0



#72
 4-Ethyltoluene
 Concen: 11.680 ppbv
 RT: 15.88 min Scan# 4073
 Delta R.T. 0.01 min
 Lab File: VL035231.D
 Acq: 23 Jul 2020 17:20

Tgt Ion: 105 Resp: 3931919
 Ion Ratio Lower Upper
 105 100
 120 29.3 23.2 34.8
 91 13.7 10.9 16.3
 77 14.9 11.8 17.6





#73

1,3,5-Trimethylbenzene

Concen: 11.439 ppbv

RT: 16.04 min Scan# 4121

Delta R.T. 0.01 min

Lab File: VL035231.D

Acq: 23 Jul 2020 17:20

Instrument :

MSVOA_L

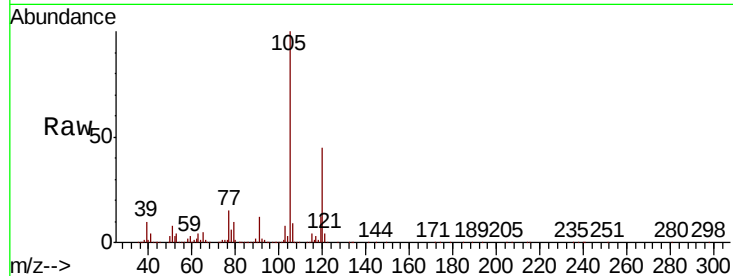
ClientSampleId :

Tot Ion:105 Resp: 3713274

Ion Ratio Lower Upper

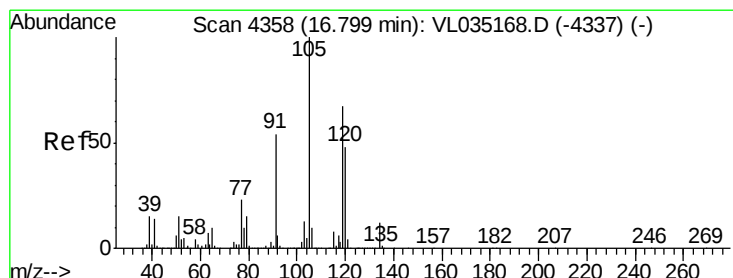
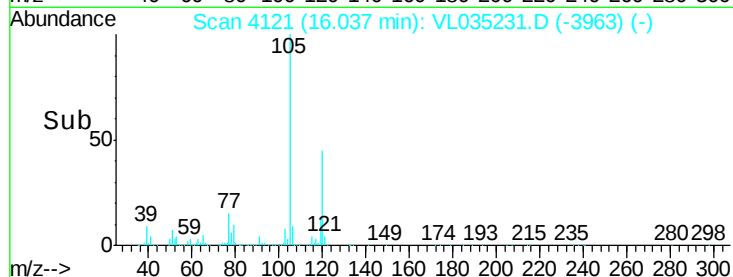
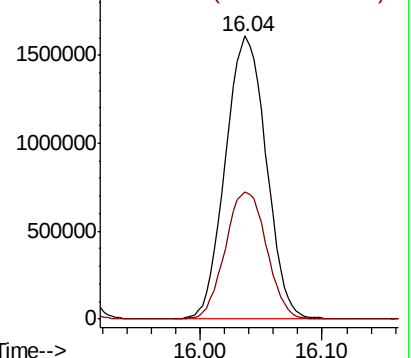
105 100

120 44.8 36.2 54.2



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: 10.898 ppbv

RT: 16.81 min Scan# 4360

Delta R.T. 0.01 min

Lab File: VL035231.D

Acq: 23 Jul 2020 17:20

Tgt Ion:105 Resp: 3909302

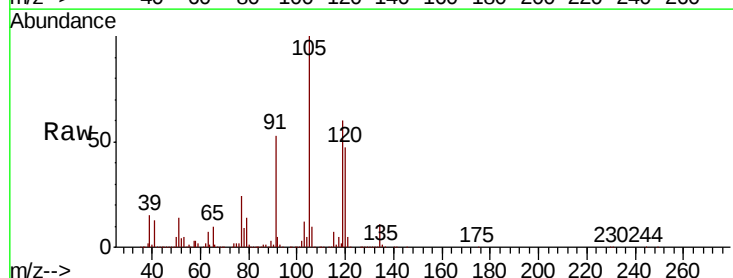
Ion Ratio Lower Upper

105 100

120 47.0 38.6 57.8

91 52.3 43.6 65.4

77 24.2 18.3 27.5

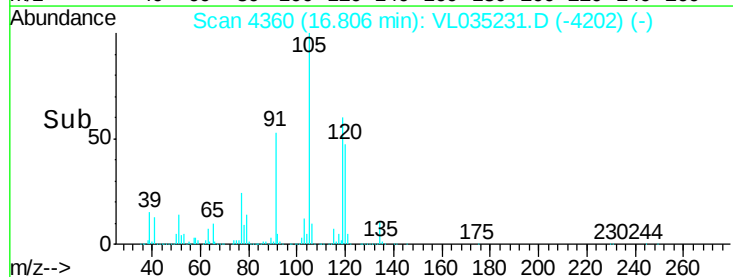
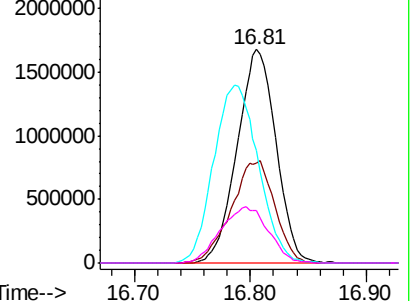


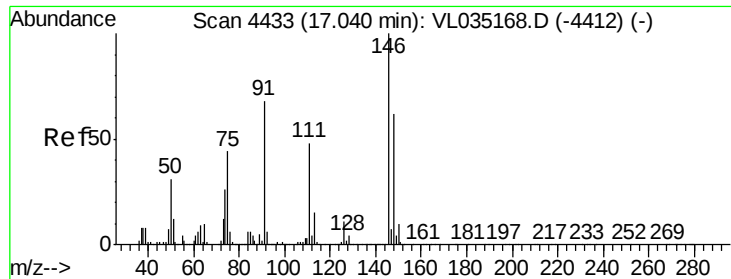
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#75

1,3-Dichlorobenzene

Concen: 9.912 ppbv

RT: 17.04 min Scan# 4434

Delta R.T. 0.00 min

Lab File: VL035231.D

Acq: 23 Jul 2020 17:20

Instrument :

MSVOA_L

ClientSampleId :

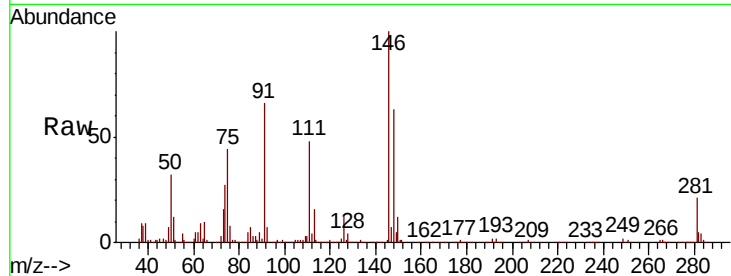
Tot Ion:146 Resp: 2251869

Ion Ratio Lower Upper

146 100

111 48.9 24.7 74.1

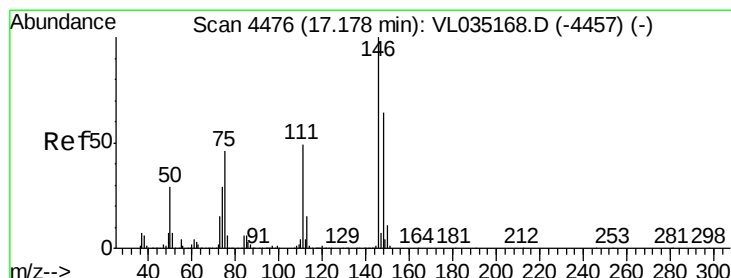
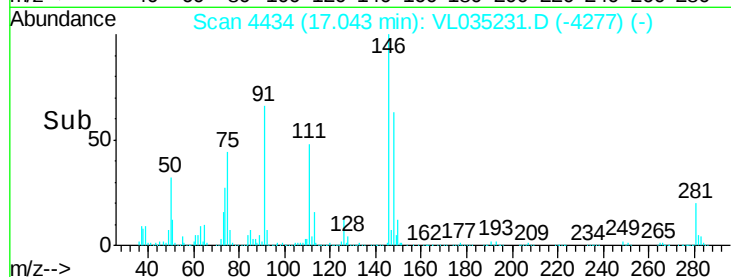
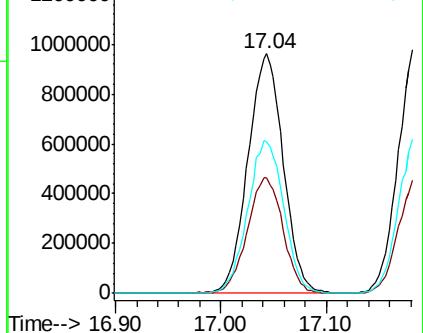
148 65.1 32.4 97.0



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



#76

1,4-Dichlorobenzene

Concen: 10.613 ppbv

RT: 17.18 min Scan# 4477

Delta R.T. 0.00 min

Lab File: VL035231.D

Acq: 23 Jul 2020 17:20

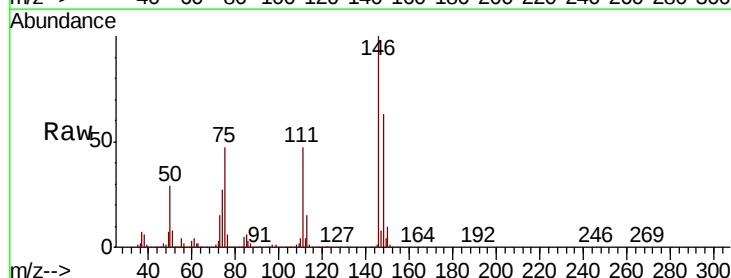
Tgt Ion:146 Resp: 2240602

Ion Ratio Lower Upper

146 100

111 46.6 23.8 71.2

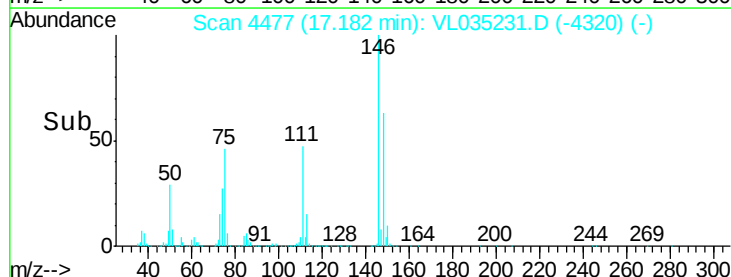
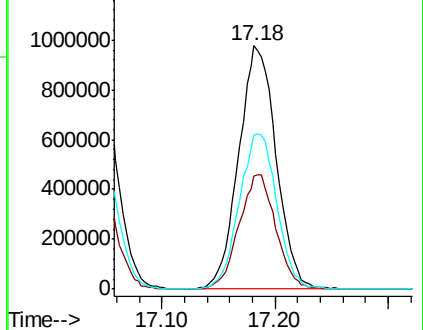
148 64.8 32.3 96.9

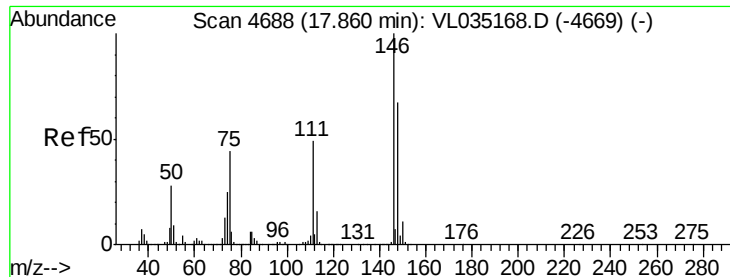


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

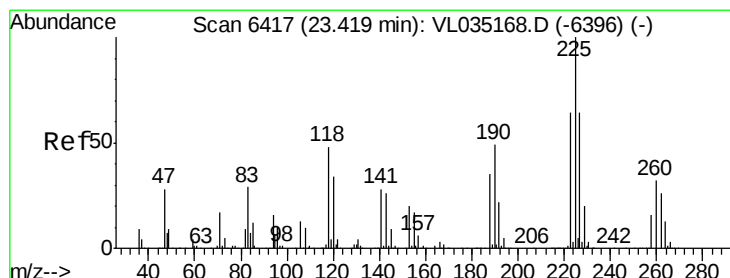
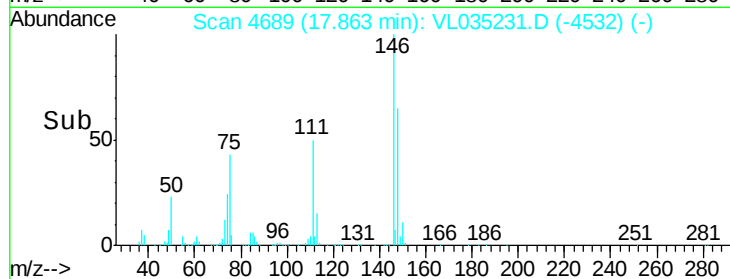
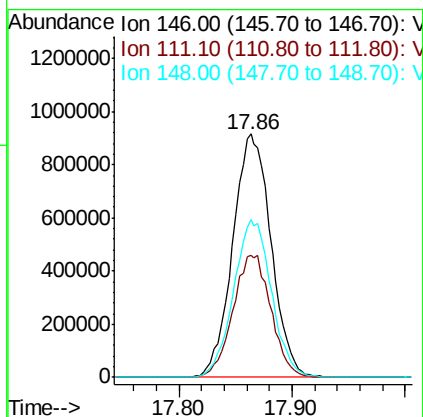
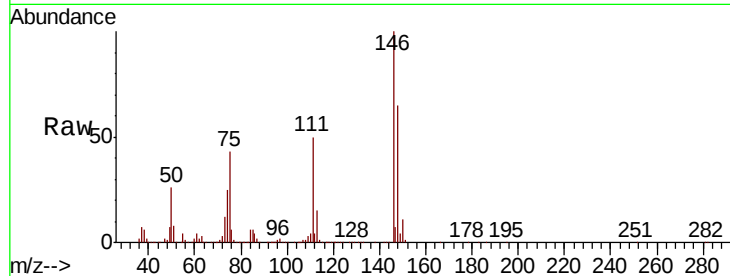




#77
 1,2-Dichlorobenzene
 Concen: 10.548 ppbv
 RT: 17.86 min Scan# 4689
 Delta R.T. 0.00 min
 Lab File: VL035231.D
 Acq: 23 Jul 2020 17:20

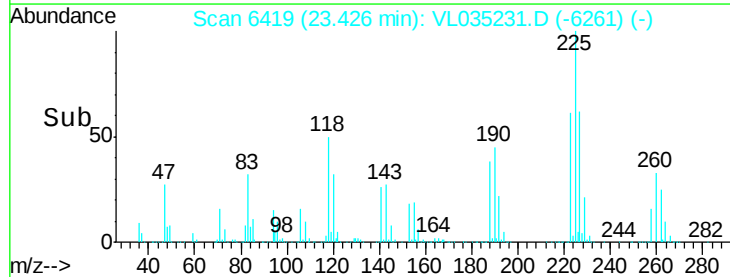
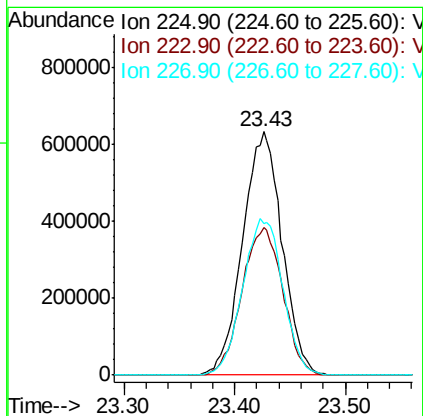
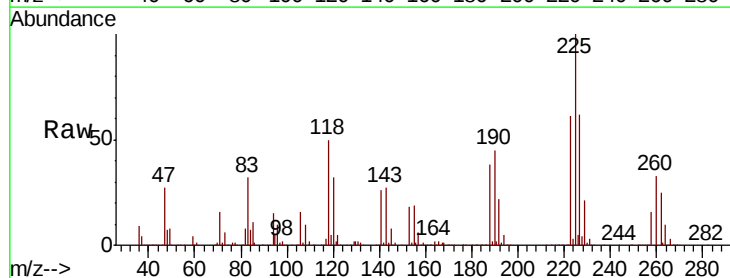
Instrument :
 MSVOA_L
 ClientSampled :

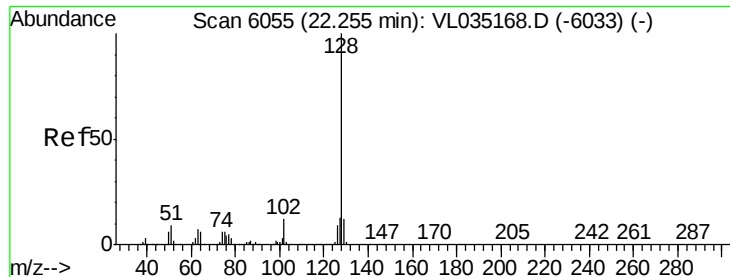
Tot Ion:146 Resp: 2157581
 Ion Ratio Lower Upper
 146 100
 111 50.0 25.1 75.2
 148 64.0 32.4 97.0



#78
 Hexachloro-1,3-Butadiene
 Concen: 9.728 ppbv
 RT: 23.43 min Scan# 6419
 Delta R.T. 0.01 min
 Lab File: VL035231.D
 Acq: 23 Jul 2020 17:20

Tgt Ion:225 Resp: 1572367
 Ion Ratio Lower Upper
 225 100
 223 63.0 50.2 75.2
 227 65.6 51.2 76.8





#79

Naphthalene

Concen: 14.026 ppbv

RT: 22.26 min Scan# 6057

Delta R.T. 0.01 min

Lab File: VL035231.D

Acq: 23 Jul 2020 17:20

Instrument :

MSVOA_L

ClientSampleId :

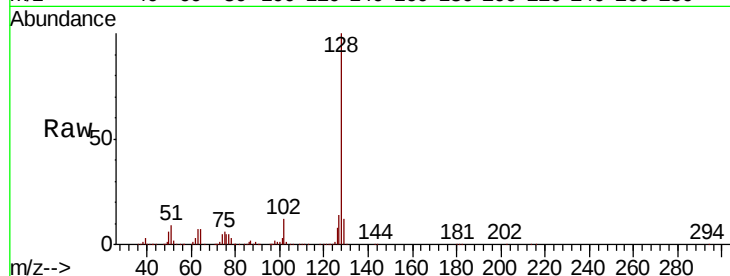
Tot Ion:128 Resp: 3255762

Ion Ratio Lower Upper

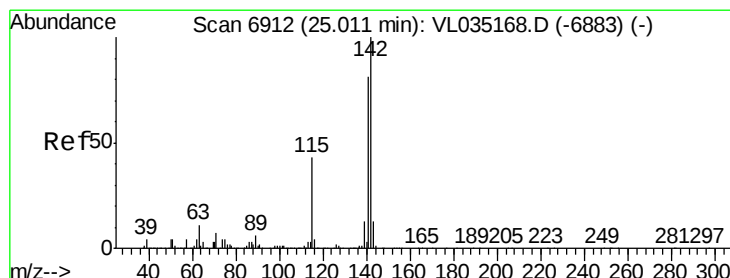
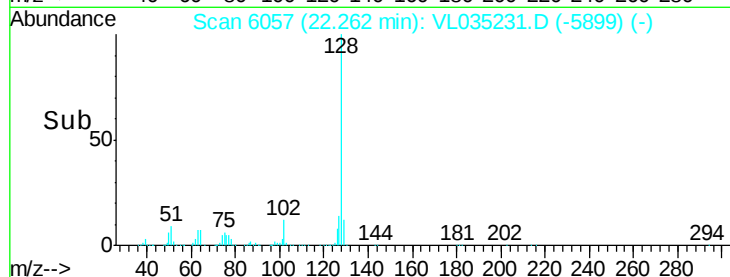
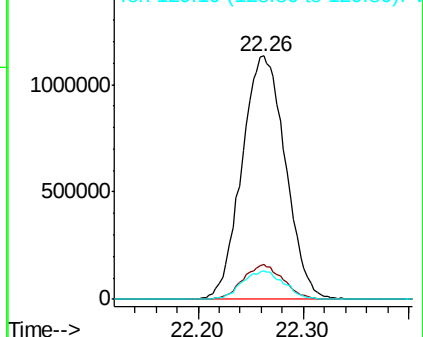
128 100

127 14.3 10.8 16.2

129 11.8 9.4 14.2



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



#80

Naphthalene, 2-methyl-

Concen: 22.318 ppbv

RT: 25.02 min Scan# 6914

Delta R.T. 0.01 min

Lab File: VL035231.D

Acq: 23 Jul 2020 17:20

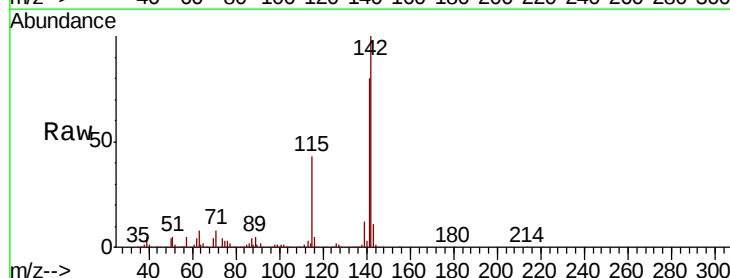
Tgt Ion:142 Resp: 1223733

Ion Ratio Lower Upper

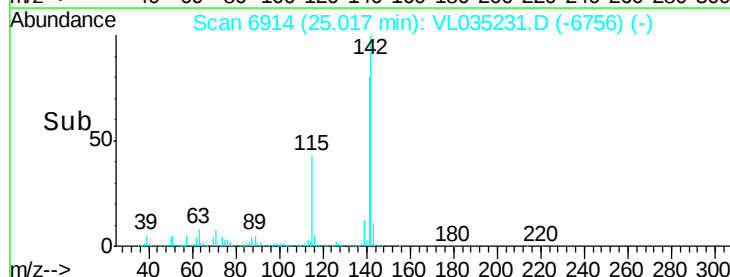
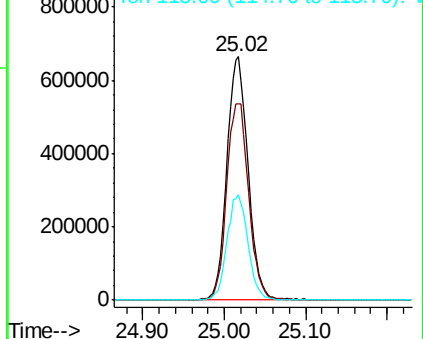
142 100

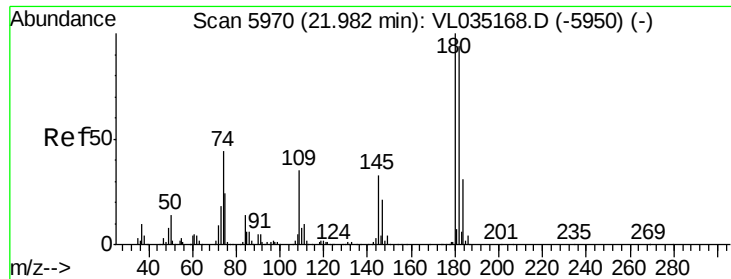
141 84.4 68.2 102.4

115 43.1 34.4 51.6



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: 12.170 ppbv

RT: 21.99 min Scan# 5973

Delta R.T. 0.01 min

Lab File: VL035231.D

Acq: 23 Jul 2020 17:20

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:180 Resp: 1789739

Ion Ratio Lower Upper

180 100

182 98.3 76.7 115.1

184 31.9 25.0 37.6

