

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL073120\
 Data File : VL035313.D
 Acq On : 31 Jul 2020 21:59
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Quant Time: Aug 01 03:54:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL072920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 29 07:14:29 2020
 QLast Update : Wed Jul 29 07:14:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1307431	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	3139197	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.13	117	3223723	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	2490989	9.67	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.70%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.01	85	1689784	10.821	ppbv 100
3) Chlorodifluoromethane	2.95	51	1421732	9.824	ppbv 99
4) Chloromethane	3.10	50	794893	9.760	ppbv 96
5) Vinyl Chloride	3.22	62	826883	9.747	ppbv 98
6) Bromomethane	3.44	94	532863	10.169	ppbv 95
7) Chloroethane	3.53	64	313670	10.244	ppbv 99
8) Dichlorotetrafluoroethane	3.15	85	2006013	10.125	ppbv 99
9) Propene	2.97	41	526867	10.444	ppbv 98
10) Heptane	8.14	43	1573905	11.526	ppbv 100
11) Trichlorofluoromethane	3.92	101	2152897	10.250	ppbv 98
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1501942	10.083	ppbv 100
13) Ethanol	3.57	45	131081	6.384	ppbv 95
14) Bromoethene	3.71	108	642259	10.565	ppbv 99
15) Acetone	3.82	43	1644409	9.429	ppbv 99
16) 1,3-Butadiene	3.29	39	733243	10.779	ppbv 99
17) tert-Butyl alcohol	4.27	59	1680093	9.982	ppbv 99
18) 1,1-Dichloroethene	4.27	96	707288	10.694	ppbv 92
19) Isopropyl Alcohol	3.94	45	1089206	9.470	ppbv 100
20) Methylene Chloride	4.32	84	610586	7.692	ppbv 99
21) Allyl Chloride	4.39	41	1082950	10.904	ppbv 99
22) trans-1,2-Dichloroethene	4.87	96	677860	10.666	ppbv 97
23) Vinyl Acetate	5.06	43	1916635	10.938	ppbv 98
24) 1,1-Dichloroethane	5.00	63	1661626	10.168	ppbv 99
25) Ethyl Acetate	5.67	43	2822102	10.363	ppbv 100
26) Hexane	5.68	57	1265544	10.301	ppbv 99
27) Carbon Disulfide	4.53	76	1816000	10.941	ppbv 99
28) Methyl tert-Butyl Ether	5.02	73	1918570	10.924	ppbv 100
29) Chloroform	5.75	83	2102735	10.205	ppbv 98
30) Cyclohexane	7.14	84	1054271	12.005	ppbv 98
31) cis-1,2-Dichloroethene	5.55	61	1264866	11.810	ppbv 97
32) 1,1,1-Trichloroethane	6.52	97	2078454	9.855	ppbv 98
34) 2-Butanone	5.23	43	1690338	10.583	ppbv 99
35) Carbon Tetrachloride	7.03	117	2225728	10.589	ppbv 99
36) Benzene	6.90	78	2464408	11.296	ppbv 99
37) 1,2-Dichloroethane	6.31	62	1661020	10.891	ppbv 100
38) Trichloroethene	7.85	130	1060415	11.728	ppbv 93
39) 1,2-Dichloropropane	7.63	63	976754	11.221	ppbv 96
40) 1,4-Dioxane	7.85	88	374818	10.935	ppbv 82
41) Tetrahydrofuran	6.05	42	902163	11.524	ppbv 98
42) Bromodichloromethane	7.81	83	2289929	11.250	ppbv 98
43) Methyl Methacrylate	8.03	69	1141202	12.073	ppbv 100

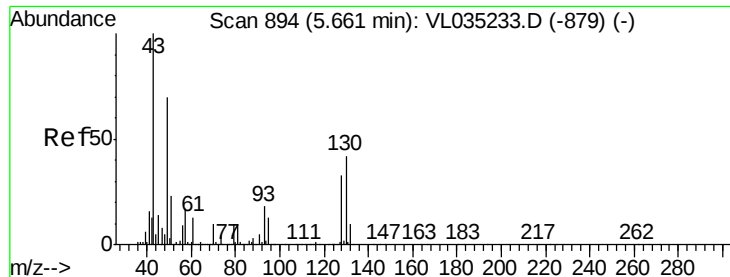
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL073120\
 Data File : VL035313.D
 Acq On : 31 Jul 2020 21:59
 Operator : SY/AP
 Sample : VSTDCCC010
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Instrument :
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Quant Time: Aug 01 03:54:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL072920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 29 07:14:29 2020
 QLast Update : Wed Jul 29 07:14:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	4348396	11.312	ppbv	99
45) t-1,3-Dichloropropene	9.31	75	1296902	13.617	ppbv	99
46) cis-1,3-Dichloropropene	8.73	75	1527860	13.168	ppbv	99
47) 1,1,2-Trichloroethane	9.50	97	1115874	10.852	ppbv	96
48) Dibromochloromethane	10.34	129	1918808	11.849	ppbv	99
49) Bromoform	13.09	173	1779308	12.222	ppbv	99
50) 4-Methyl-2-Pentanone	8.76	43	2669186	11.531	ppbv	99
51) 2-Hexanone	10.16	43	2143756	12.213	ppbv	98
52) Tetrachloroethene	11.26	164	926421	11.129	ppbv	94
53) Toluene	9.84	91	2941731	12.687	ppbv	99
54) 1,2-Dibromoethane	10.65	107	1694805	11.400	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.17	131	1497429	10.102	ppbv	99
57) Chlorobenzene	12.19	112	2414516	9.954	ppbv	99
58) Ethyl Benzene	12.75	91	4083350	11.960	ppbv	100
59) m/p-Xylene	13.04	91	3122423	9.824	ppbv #	15
60) o-Xylene	13.74	91	3534418	11.145	ppbv	99
61) Styrene	13.57	104	2425474	12.600	ppbv	99
62) Isopropylbenzene	14.71	105	5139587	10.889	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.73	83	2626248	9.624	ppbv	99
64) n-propylbenzene	15.61	120	1407680	11.216	ppbv	97
65) tert-Butylbenzene	16.80	119	4732996	11.069	ppbv	100
66) Benzyl Chloride	17.04	91	1889314	11.280	ppbv	99
67) sec-Butylbenzene	17.35	105	6648535	10.641	ppbv	99
69) p-Isopropyltoluene	17.70	119	5494197	10.780	ppbv	99
70) n-Butylbenzene	18.60	91	5805016	10.528	ppbv	99
71) 2-Chlorotoluene	15.50	91	4015656	11.282	ppbv	100
72) 4-Ethyltoluene	15.89	105	4123084	11.551	ppbv	99
73) 1,3,5-Trimethylbenzene	16.05	105	3925550	11.277	ppbv	97
74) 1,2,4-Trimethylbenzene	16.82	105	4162308	10.271	ppbv	99
75) 1,3-Dichlorobenzene	17.05	146	2459494	9.400	ppbv	100
76) 1,4-Dichlorobenzene	17.19	146	2409162	10.179	ppbv	99
77) 1,2-Dichlorobenzene	17.88	146	2356796	10.056	ppbv	99
78) Hexachloro-1,3-Butadiene	23.43	225	1765753	9.205	ppbv	99
79) Naphthalene	22.27	128	3522951	10.933	ppbv	98
80) Naphthalene, 2-methyl-	25.03	142	1221664	11.714	ppbv	98
81) 1,2,4-Trichlorobenzene	22.00	180	2021404	10.305	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. 0.01 min

Lab File: VL035313.D

Acq: 31 Jul 2020 21:59

Instrument :

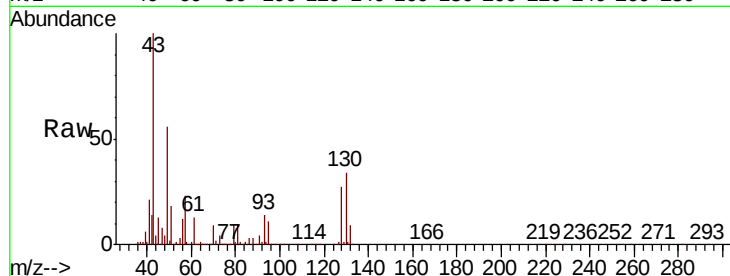
MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 49 Resp: 1307431

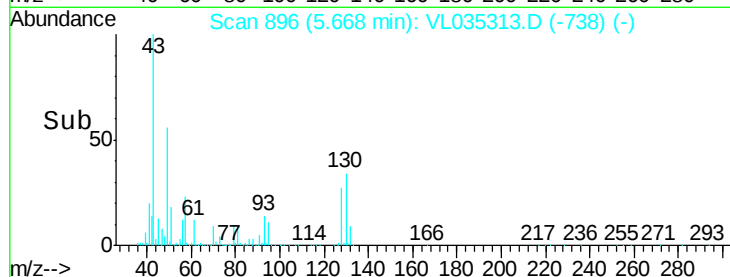
Ion	Ratio	Lower	Upper
49	100		
128	48.1	24.0	72.0
130	62.7	30.7	92.1



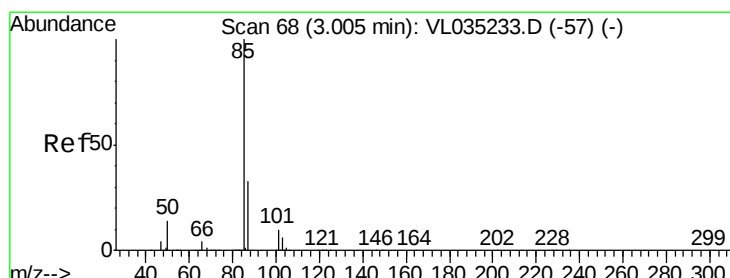
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



Time-->



#2

Dichlorodifluoromethane

Concen: 10.821 ppbv

RT: 3.01 min Scan# 69

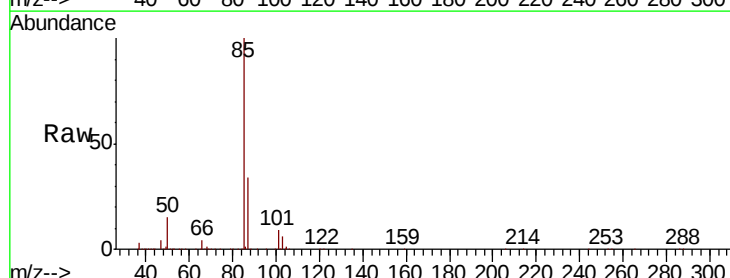
Delta R.T. 0.00 min

Lab File: VL035313.D

Acq: 31 Jul 2020 21:59

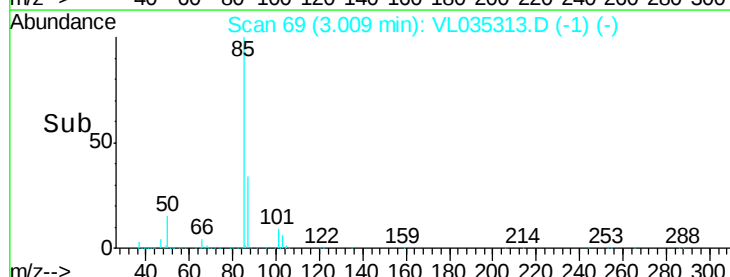
Tgt Ion: 85 Resp: 1689784

Ion	Ratio	Lower	Upper
85	100		
87	33.7	26.7	40.1

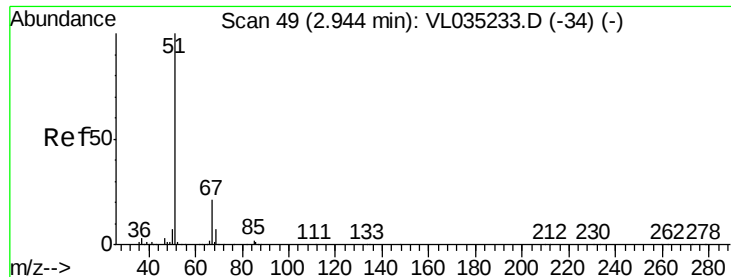


Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0



Time-->



#3

Chlorodifluoromethane

Concen: 9.824 ppbv

RT: 2.95 min Scan# 50

Delta R.T. 0.00 min

Lab File: VL035313.D

Acq: 31 Jul 2020 21:59

Instrument :

MSVOA_L

ClientSampleId :

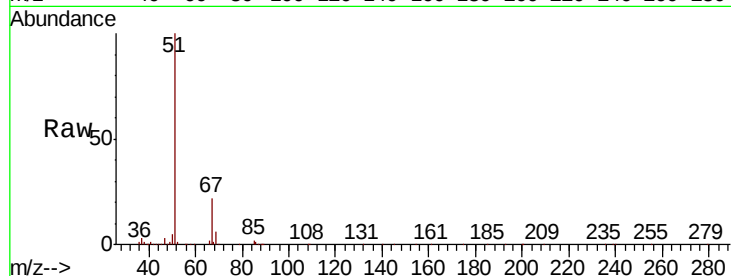
VSTDCCC010EC

Tot Ion: 51 Resp: 1421732

Ion Ratio Lower Upper

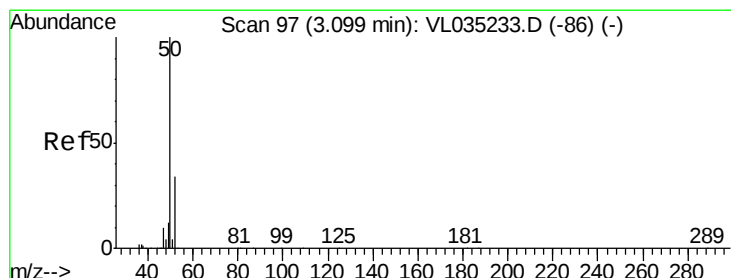
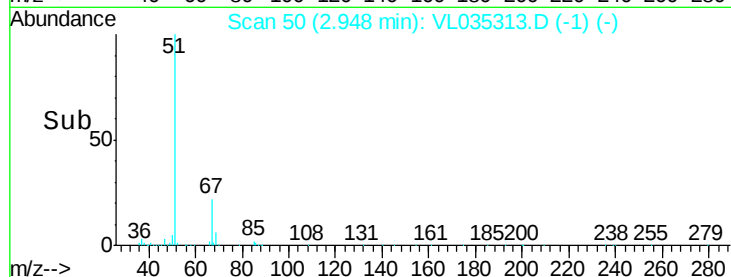
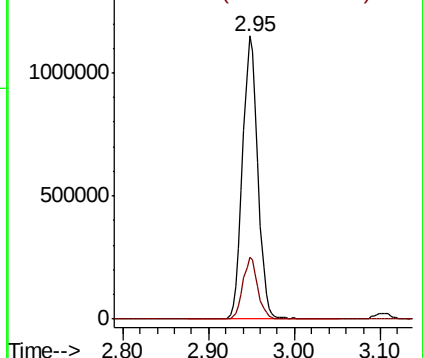
51 100

67 21.2 16.6 25.0



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.760 ppbv

RT: 3.10 min Scan# 98

Delta R.T. 0.00 min

Lab File: VL035313.D

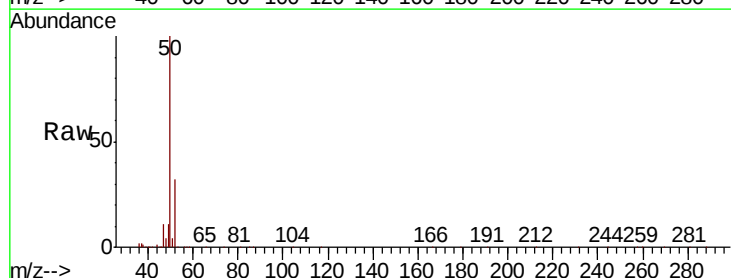
Acq: 31 Jul 2020 21:59

Tgt Ion: 50 Resp: 794893

Ion Ratio Lower Upper

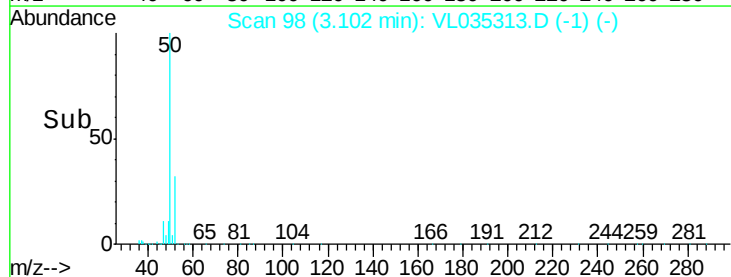
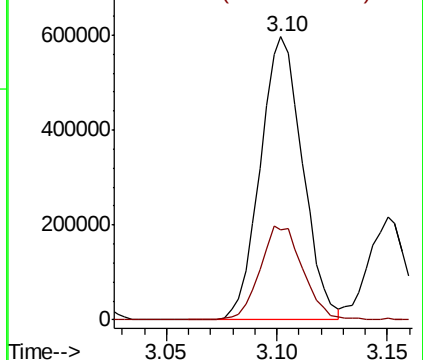
50 100

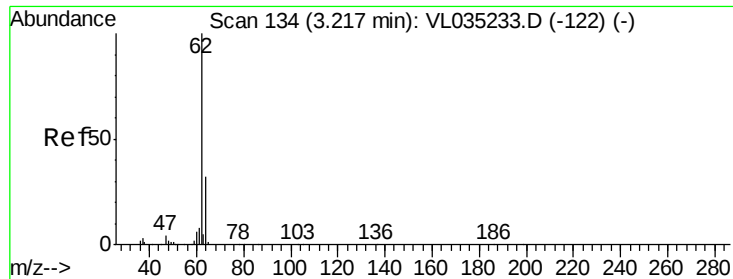
52 31.8 27.1 40.7



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.747 ppbv

RT: 3.22 min Scan# 135

Delta R.T. 0.00 min

Lab File: VL035313.D

Acq: 31 Jul 2020 21:59

Instrument :

MSVOA_L

ClientSampleId :

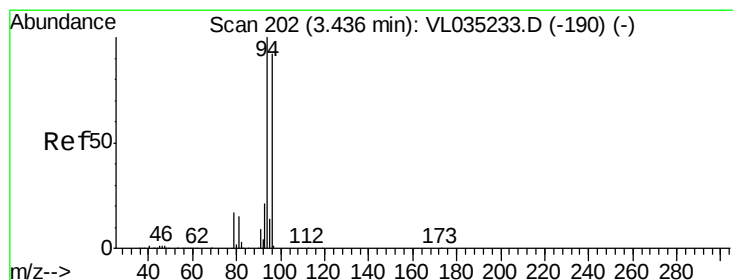
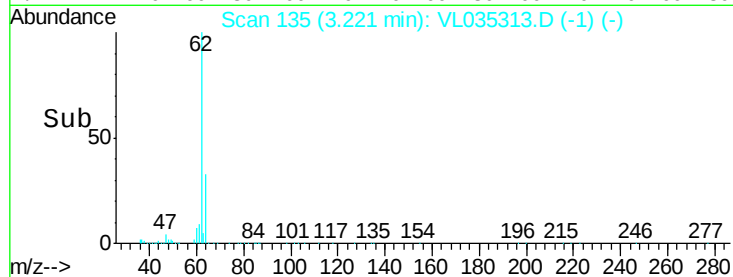
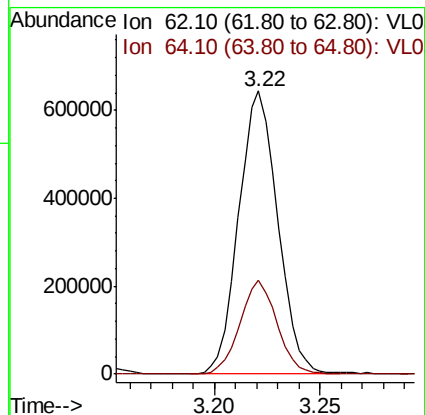
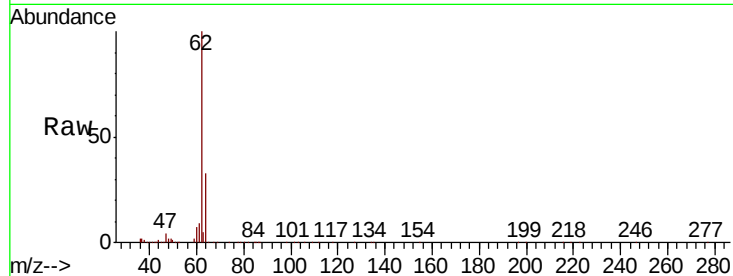
VSTDCCC010EC

Tot Ion: 62 Resp: 826883

Ion Ratio Lower Upper

62 100

64 33.1 25.8 38.6



#6

Bromomethane

Concen: 10.169 ppbv

RT: 3.44 min Scan# 203

Delta R.T. 0.00 min

Lab File: VL035313.D

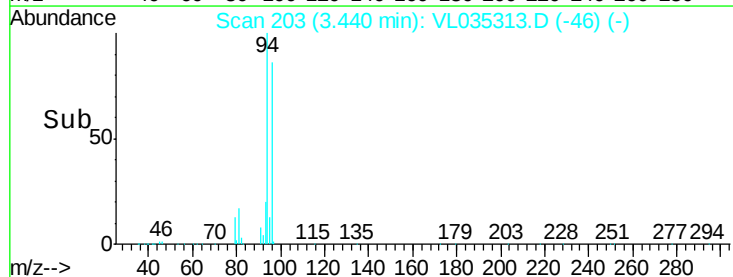
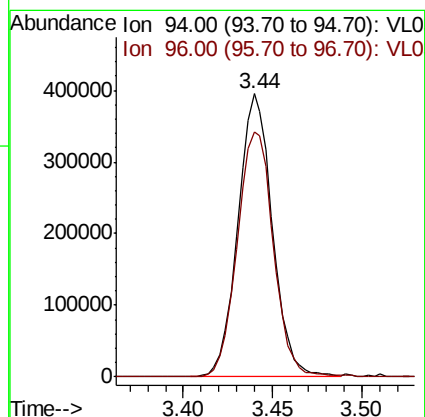
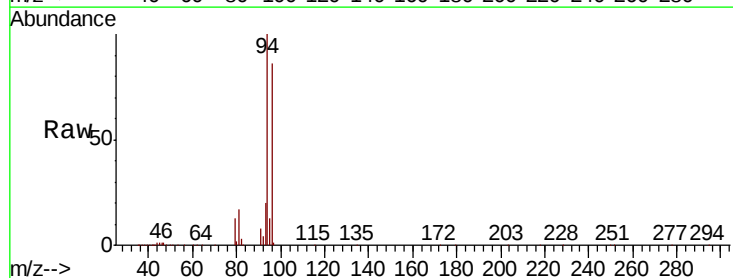
Acq: 31 Jul 2020 21:59

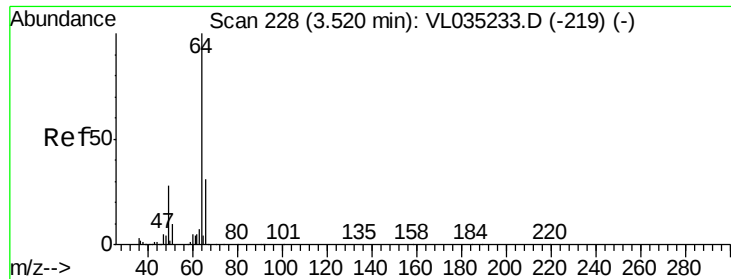
Tgt Ion: 94 Resp: 532863

Ion Ratio Lower Upper

94 100

96 86.3 73.2 109.8





#7

Chloroethane

Concen: 10.244 ppbv

RT: 3.53 min Scan# 230

Delta R.T. 0.01 min

Lab File: VL035313.D

Acq: 31 Jul 2020 21:59

Instrument :

MSVOA_L

ClientSampleId :

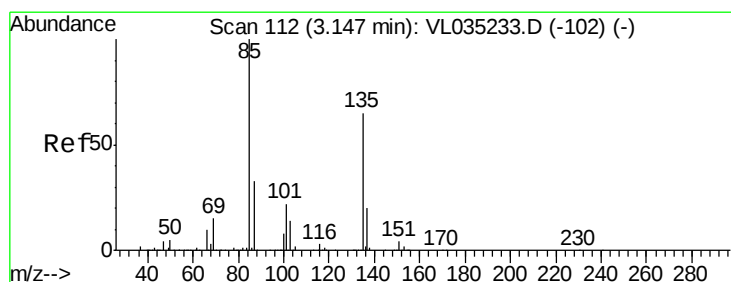
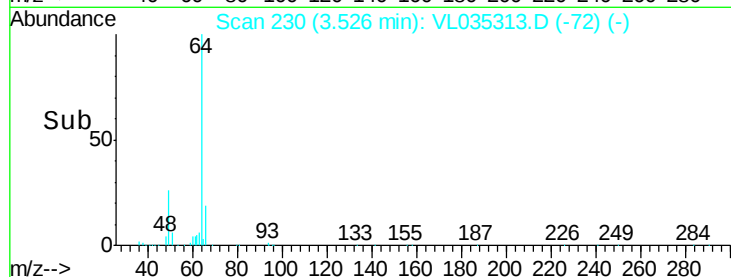
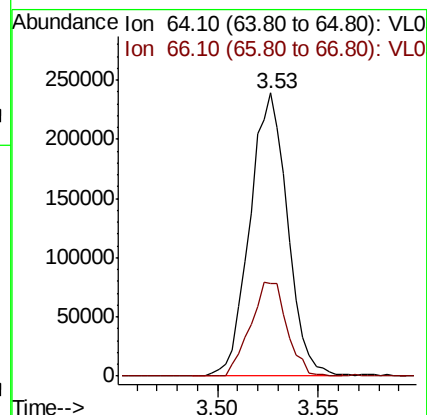
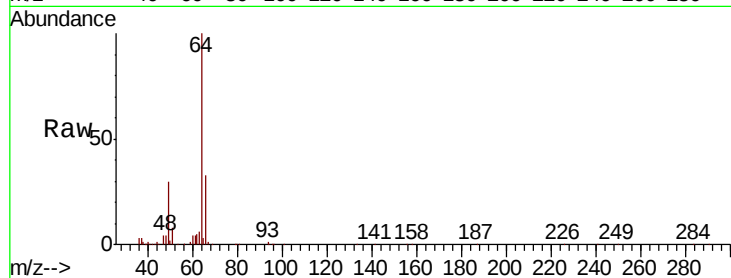
VSTDCCC010EC

Tot Ion: 64 Resp: 313670

Ion Ratio Lower Upper

64 100

66 32.8 25.6 38.4



#8

Dichlorotetrafluoroethane

Concen: 10.125 ppbv

RT: 3.15 min Scan# 113

Delta R.T. 0.00 min

Lab File: VL035313.D

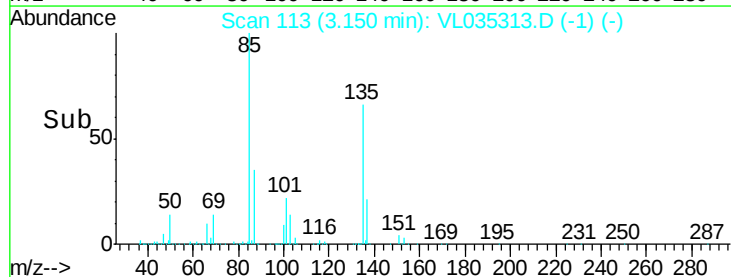
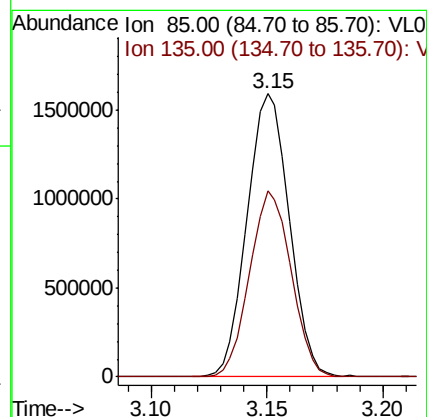
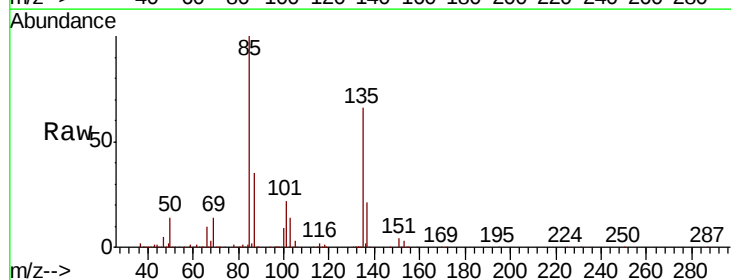
Acq: 31 Jul 2020 21:59

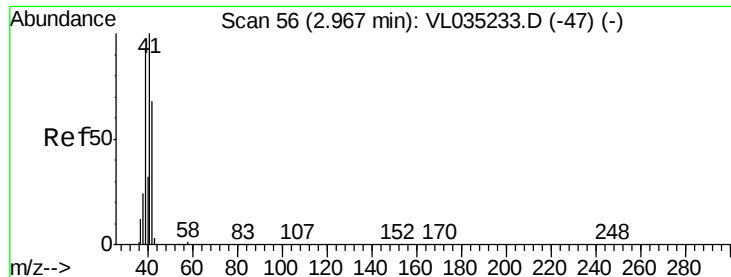
Tgt Ion: 85 Resp: 2006013

Ion Ratio Lower Upper

85 100

135 64.9 51.4 77.0





#9

Propene

Concen: 10.444 ppbv

RT: 2.97 min Scan# 57

Delta R.T. 0.00 min

Lab File: VL035313.D

Acq: 31 Jul 2020 21:59

Instrument :

MSVOA_L

ClientSampleId :

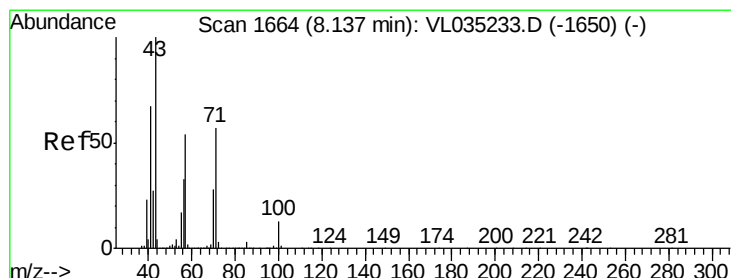
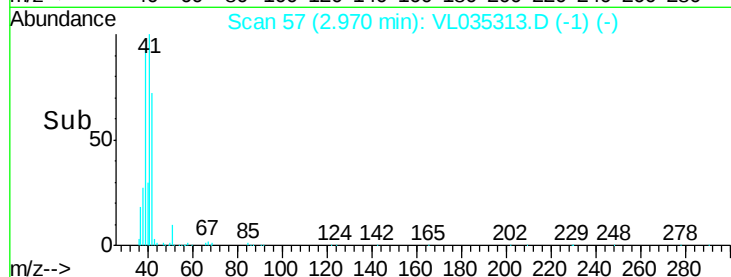
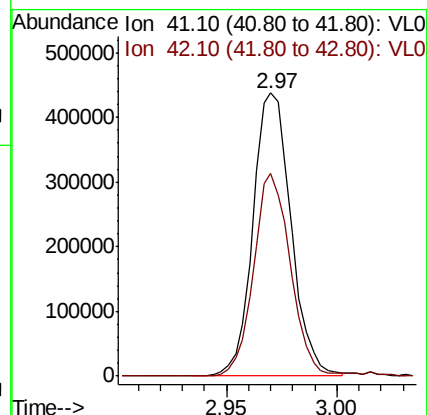
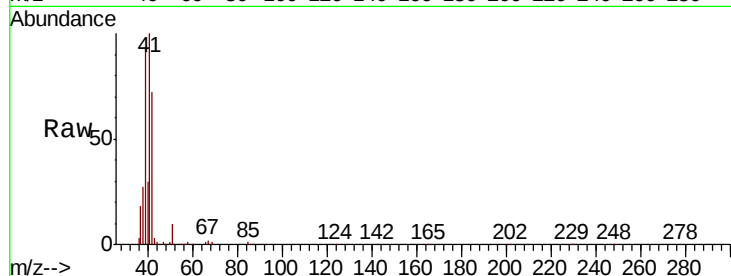
VSTDCCC010EC

Tot Ion: 41 Resp: 526867

Ion Ratio Lower Upper

41 100

42 70.6 55.0 82.6



#10

Heptane

Concen: 11.526 ppbv

RT: 8.14 min Scan# 1666

Delta R.T. 0.01 min

Lab File: VL035313.D

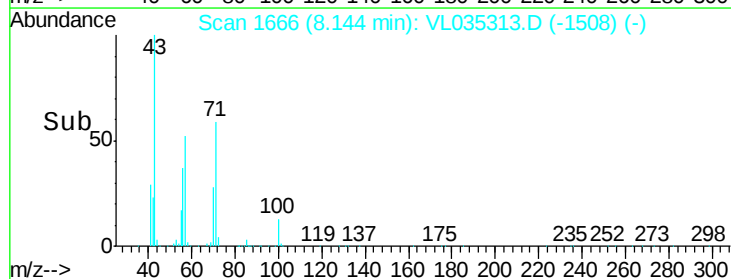
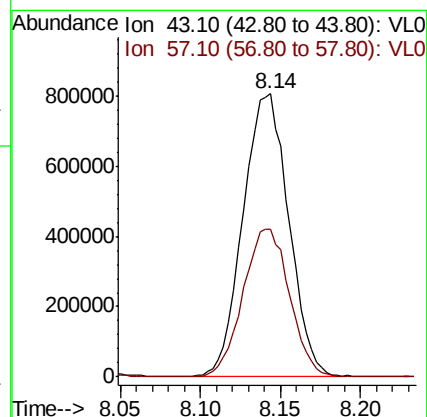
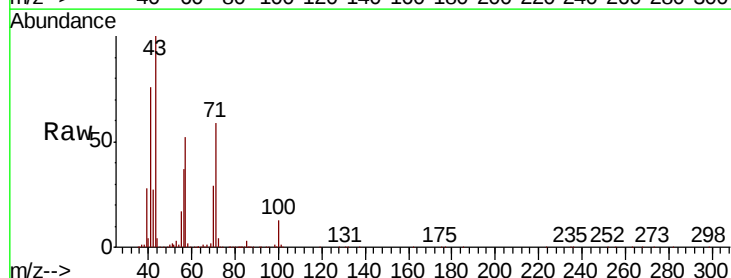
Acq: 31 Jul 2020 21:59

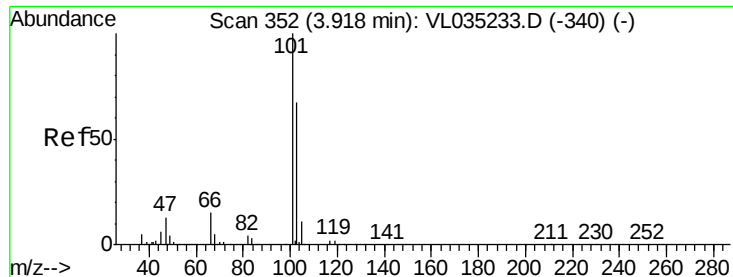
Tgt Ion: 43 Resp: 1573905

Ion Ratio Lower Upper

43 100

57 53.6 43.0 64.4

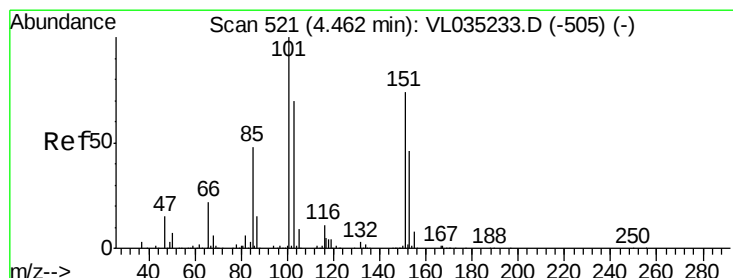
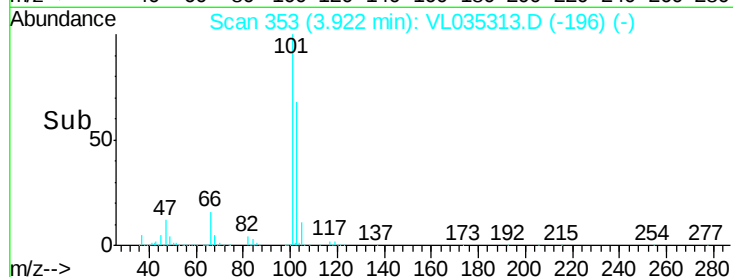
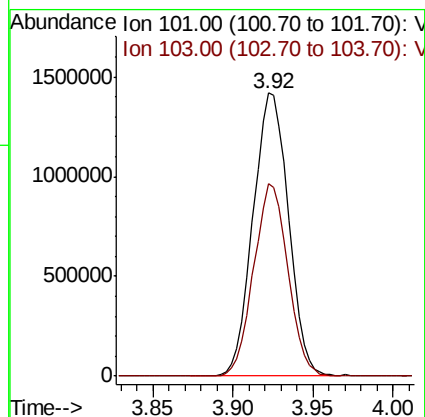
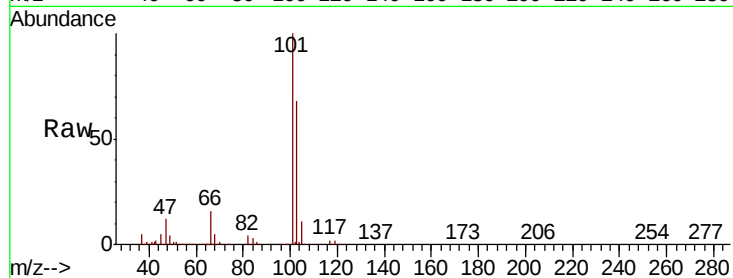




#11
 Trichlorofluoromethane
 Concen: 10.250 ppbv
 RT: 3.92 min Scan# 353
 Delta R.T. 0.00 min
 Lab File: VL035313.D
 Acq: 31 Jul 2020 21:59

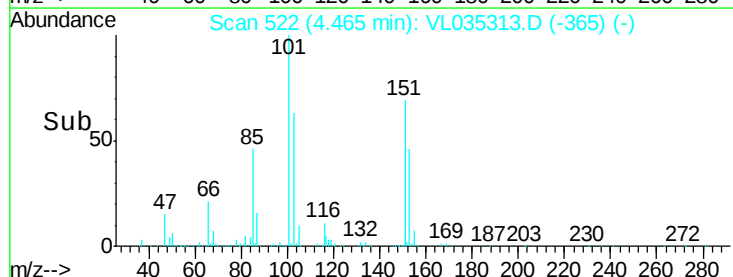
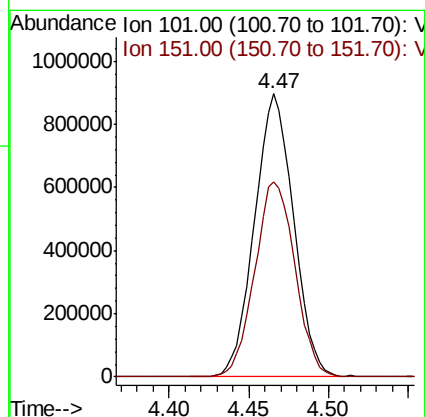
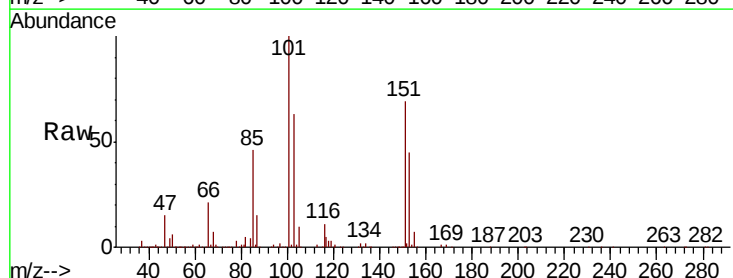
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

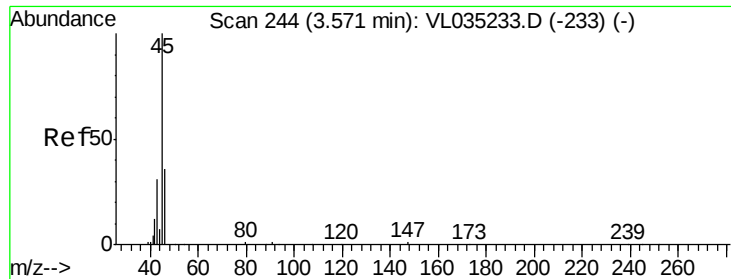
Tot Ion:101 Resp: 2152897
 Ion Ratio Lower Upper
 101 100
 103 68.1 53.4 80.0



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.083 ppbv
 RT: 4.47 min Scan# 522
 Delta R.T. 0.00 min
 Lab File: VL035313.D
 Acq: 31 Jul 2020 21:59

Tgt Ion:101 Resp: 1501942
 Ion Ratio Lower Upper
 101 100
 151 71.1 56.6 85.0





#13

Ethanol

Concen: 6.384 ppbv

RT: 3.57 min Scan# 245

Delta R.T. 0.00 min

Lab File: VL035313.D

Acq: 31 Jul 2020 21:59

Instrument :

MSVOA_L

ClientSampleId :

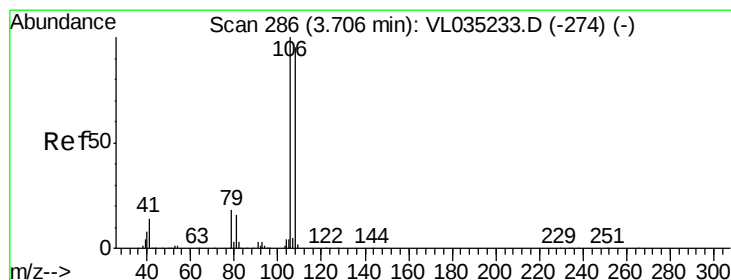
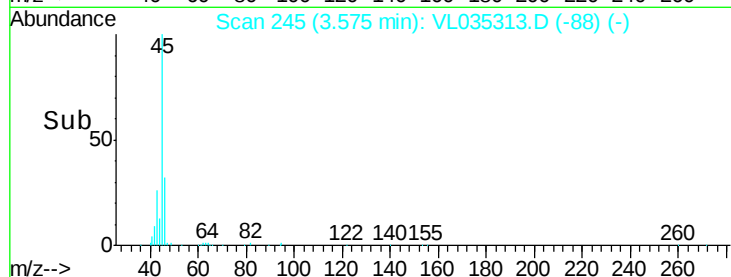
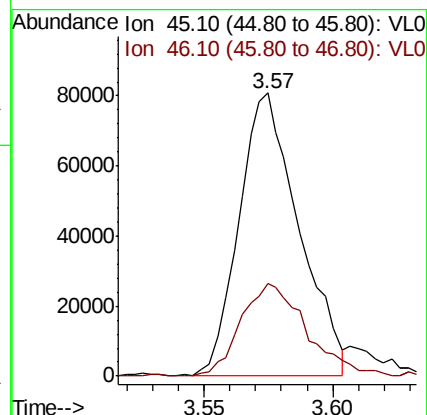
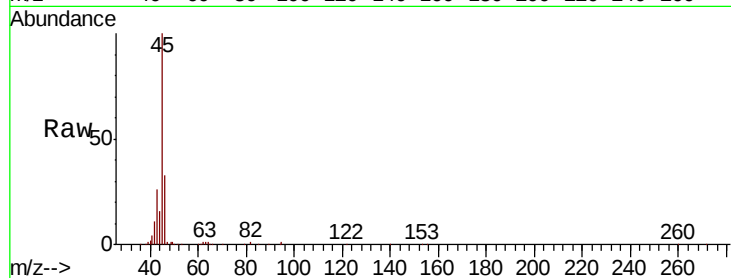
VSTDCCC010EC

Tot Ion: 45 Resp: 131081

Ion Ratio Lower Upper

45 100

46 36.4 15.8 63.4



#14

Bromoethene

Concen: 10.565 ppbv

RT: 3.71 min Scan# 287

Delta R.T. 0.00 min

Lab File: VL035313.D

Acq: 31 Jul 2020 21:59

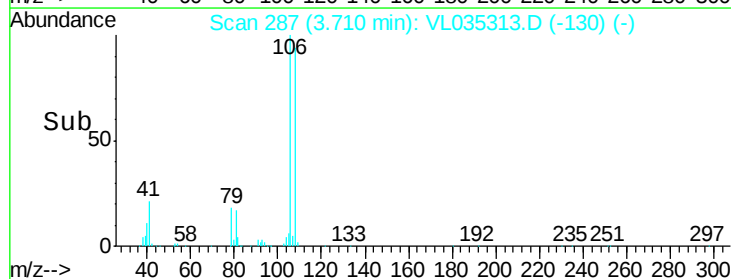
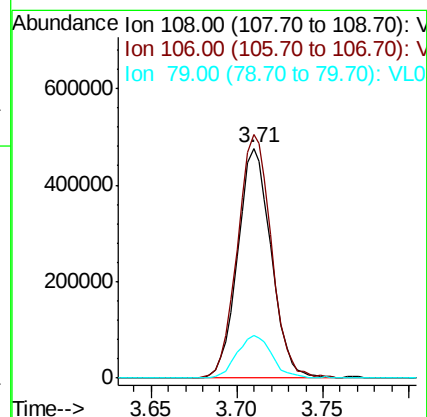
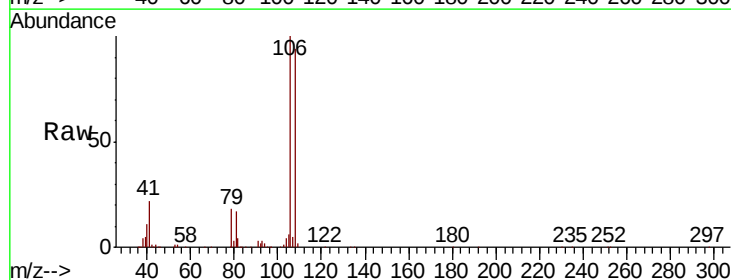
Tgt Ion: 108 Resp: 642259

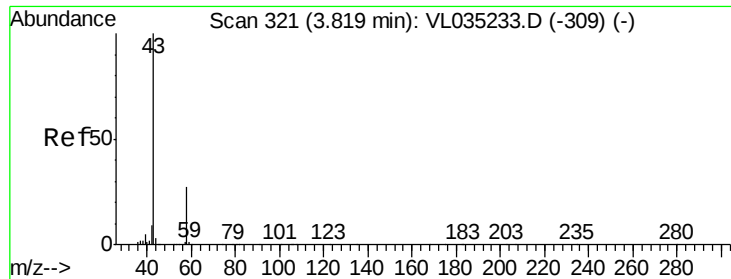
Ion Ratio Lower Upper

108 100

106 107.9 85.0 127.6

79 19.5 15.4 23.2





#15

Acetone

Concen: 9.429 ppbv

RT: 3.82 min Scan# 322

Delta R.T. 0.00 min

Lab File: VL035313.D

Acq: 31 Jul 2020 21:59

Instrument :

MSVOA_L

ClientSampleId :

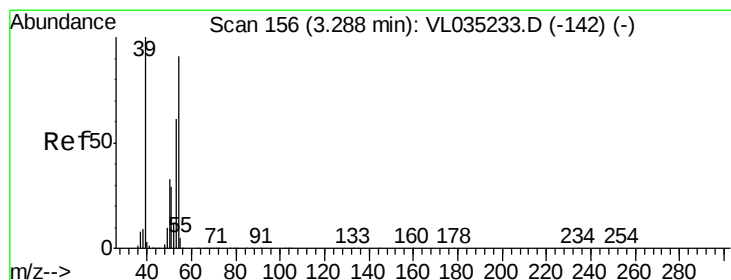
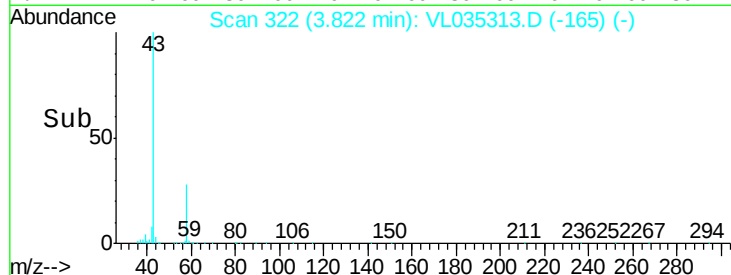
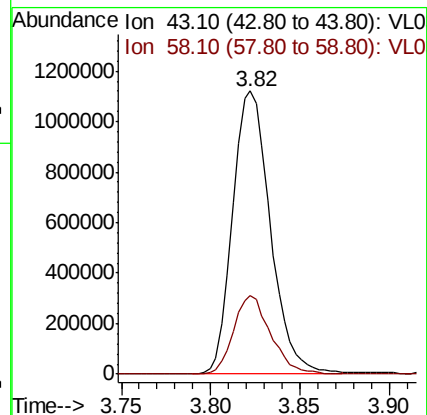
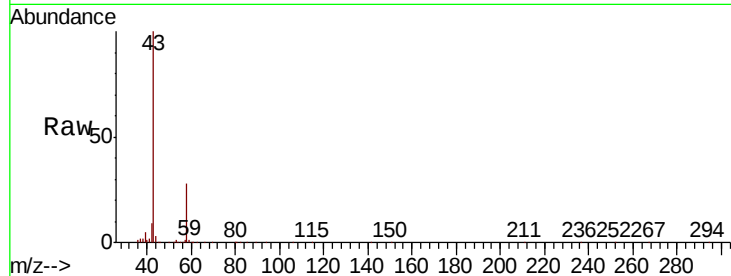
VSTDCCC010EC

Tot Ion: 43 Resp: 1644409

Ion Ratio Lower Upper

43 100

58 27.7 21.8 32.6



#16

1,3-Butadiene

Concen: 10.779 ppbv

RT: 3.29 min Scan# 157

Delta R.T. 0.00 min

Lab File: VL035313.D

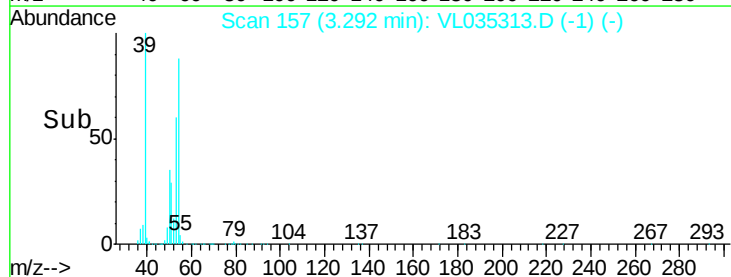
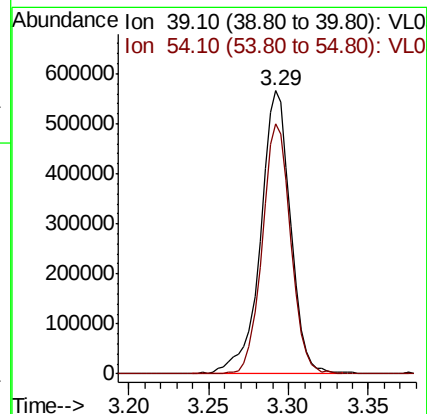
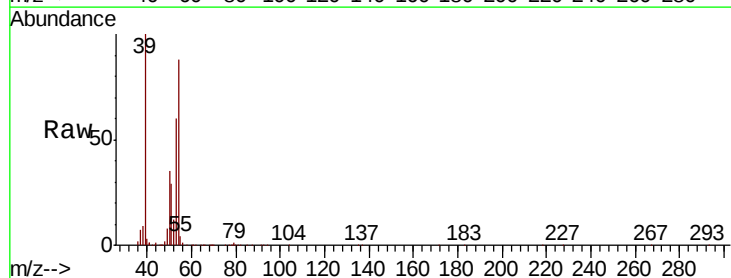
Acq: 31 Jul 2020 21:59

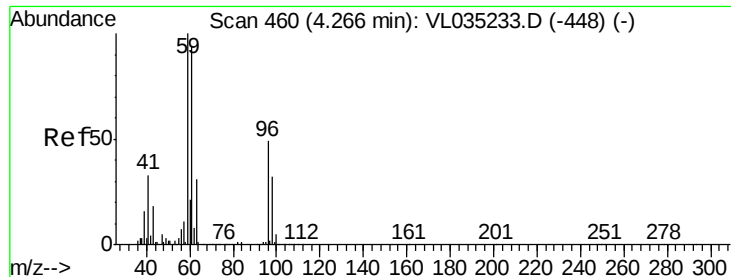
Tgt Ion: 39 Resp: 733243

Ion Ratio Lower Upper

39 100

54 84.2 68.2 102.2



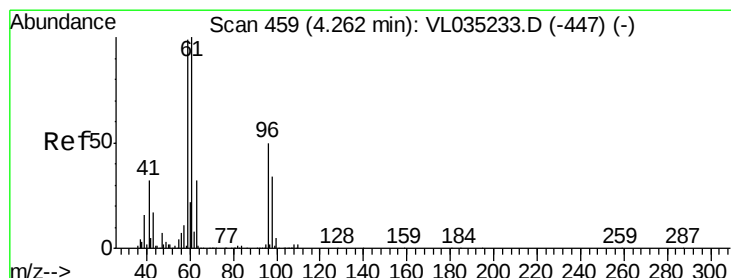
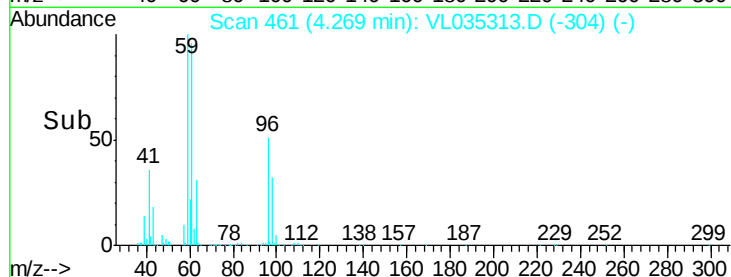
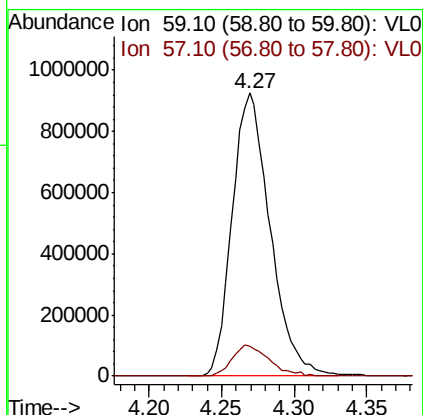
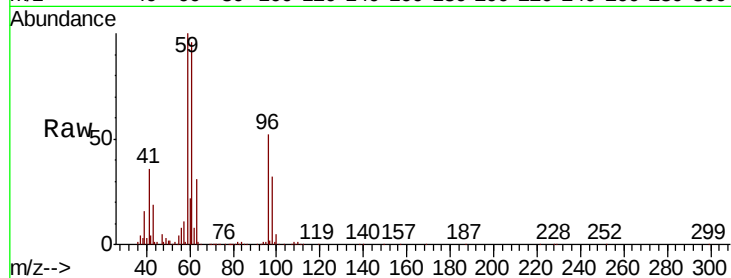


#17

tert-Butyl alcohol
 Concen: 9.982 ppbv
 RT: 4.27 min Scan# 461
 Delta R.T. 0.00 min
 Lab File: VL035313.D
 Acq: 31 Jul 2020 21:59

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

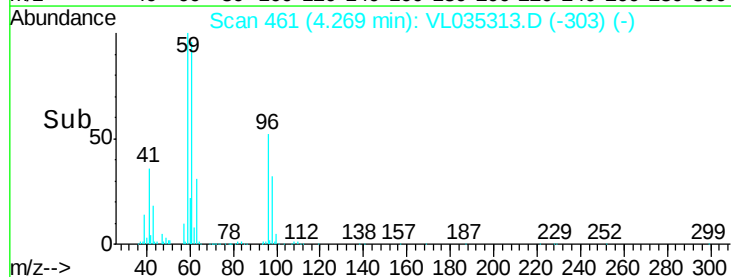
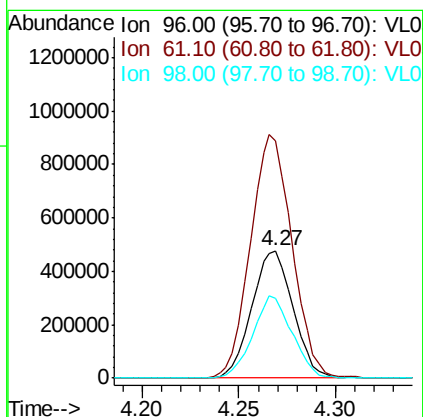
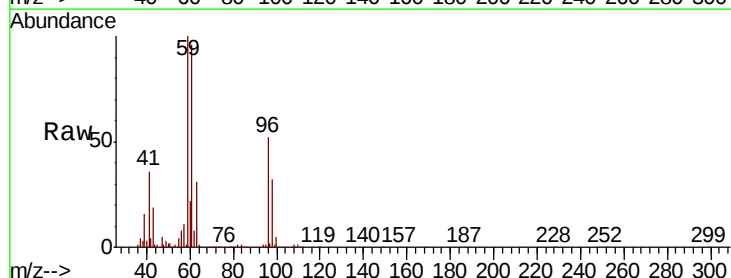
Tot Ion: 59 Resp: 1680093
 Ion Ratio Lower Upper
 59 100
 57 10.9 8.6 12.8

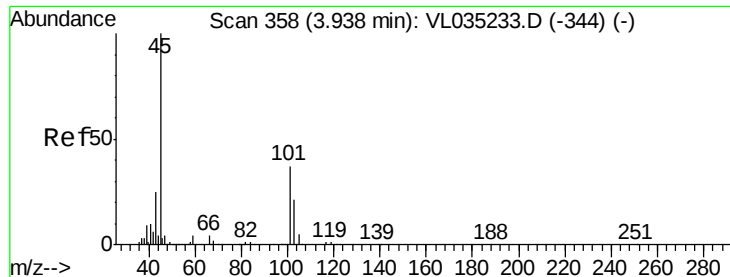


#18

1,1-Dichloroethene
 Concen: 10.694 ppbv
 RT: 4.27 min Scan# 461
 Delta R.T. 0.01 min
 Lab File: VL035313.D
 Acq: 31 Jul 2020 21:59

Tgt Ion: 96 Resp: 707288
 Ion Ratio Lower Upper
 96 100
 61 186.4 159.4 239.2
 98 62.5 53.9 80.9





#19

Isopropyl Alcohol

Concen: 9.470 ppbv

RT: 3.94 min Scan# 359

Delta R.T. 0.00 min

Lab File: VL035313.D

Acq: 31 Jul 2020 21:59

Instrument :

MSVOA_L

ClientSampleId :

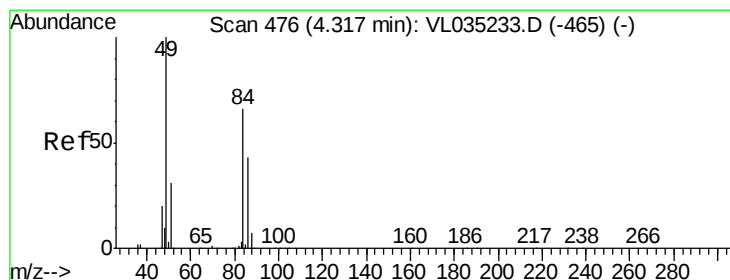
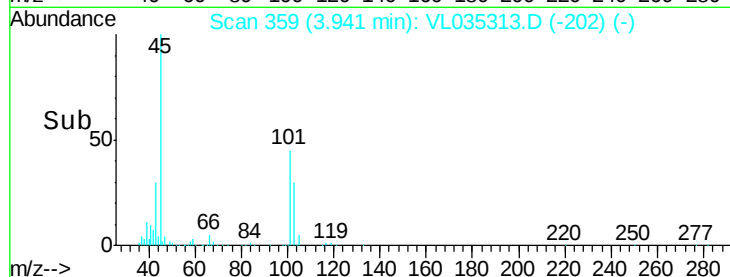
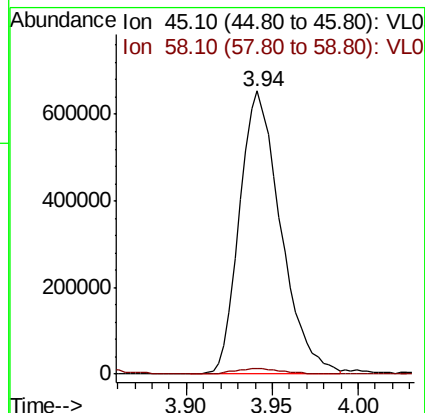
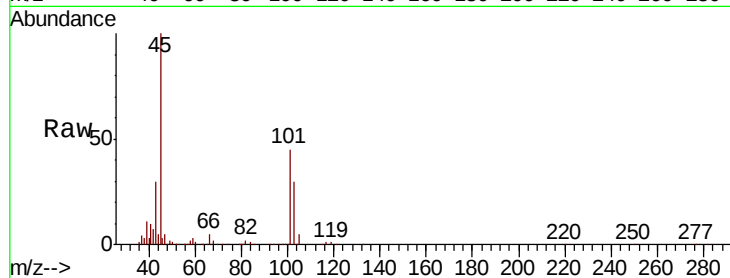
VSTDCCC010EC

Tot Ion: 45 Resp: 1089206

Ion Ratio Lower Upper

45 100

58 2.5 1.9 2.9



#20

Methylene Chloride

Concen: 7.692 ppbv

RT: 4.32 min Scan# 478

Delta R.T. 0.01 min

Lab File: VL035313.D

Acq: 31 Jul 2020 21:59

Tgt Ion: 84 Resp: 610586

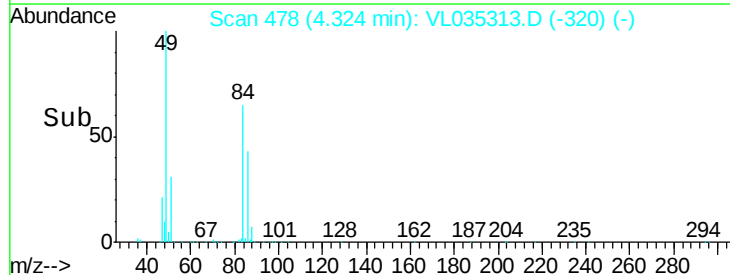
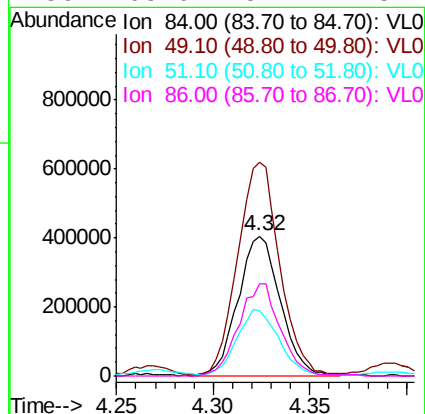
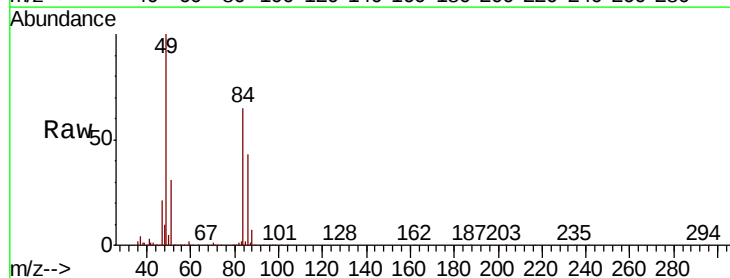
Ion Ratio Lower Upper

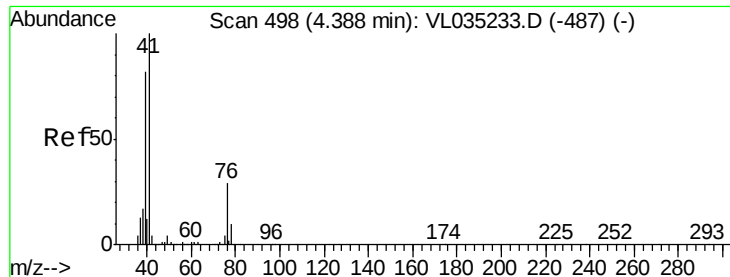
84 100

49 152.5 121.0 181.4

51 46.3 37.7 56.5

86 65.9 52.2 78.4





#21

Allvl Chloride

Concen: 10.904 ppbv

RT: 4.39 min Scan# 499

Delta R.T. 0.00 min

Lab File: VL035313.D

Acq: 31 Jul 2020 21:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

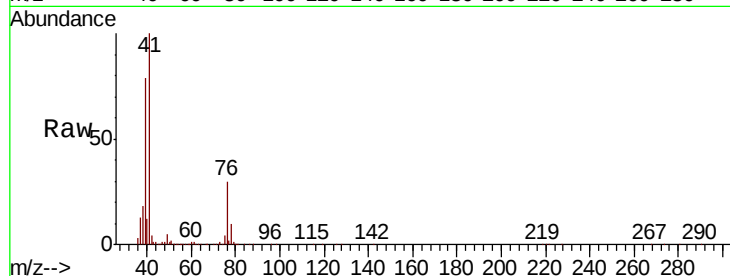
Tot Ion: 41 Resp: 1082950

Ion Ratio Lower Upper

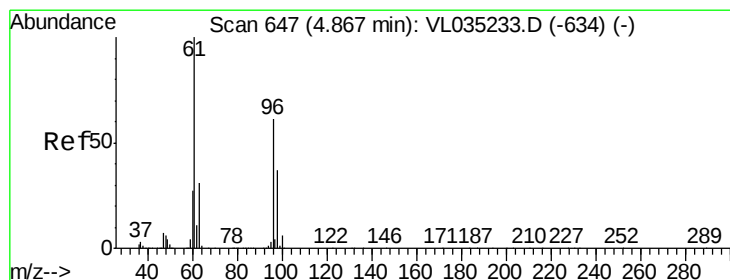
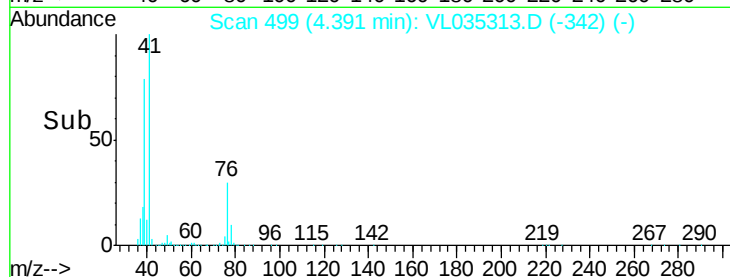
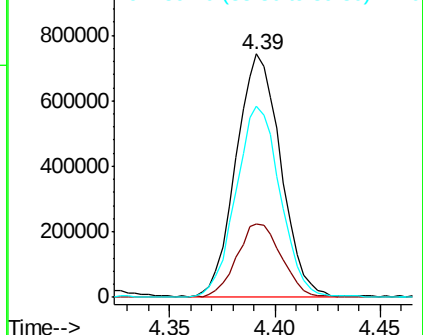
41 100

76 30.7 24.4 36.6

39 78.7 63.8 95.8



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: 10.666 ppbv

RT: 4.87 min Scan# 649

Delta R.T. 0.01 min

Lab File: VL035313.D

Acq: 31 Jul 2020 21:59

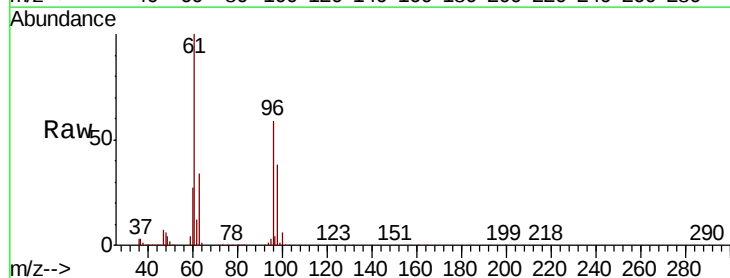
Tgt Ion: 96 Resp: 677860

Ion Ratio Lower Upper

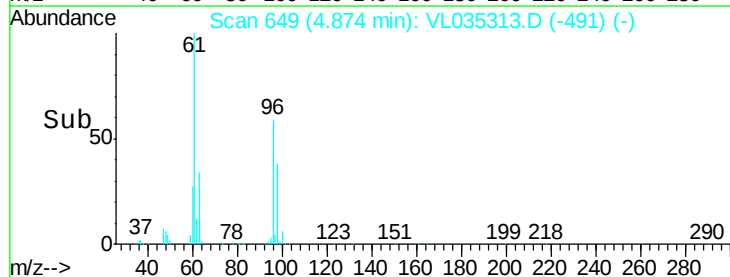
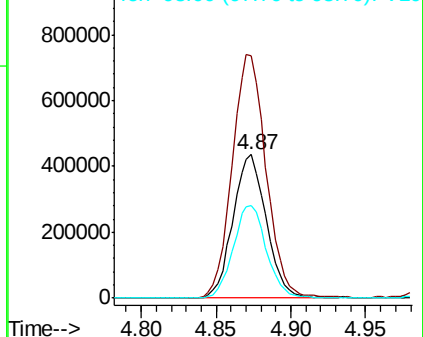
96 100

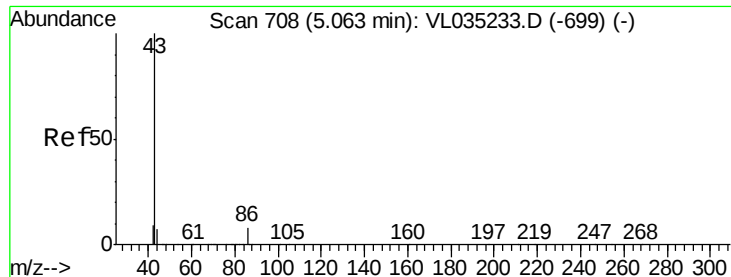
61 168.3 131.6 197.4

98 64.1 49.0 73.4



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: 10.938 ppbv

RT: 5.06 min Scan# 708

Delta R.T. 0.00 min

Lab File: VL035313.D

Acq: 31 Jul 2020 21:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 1916635

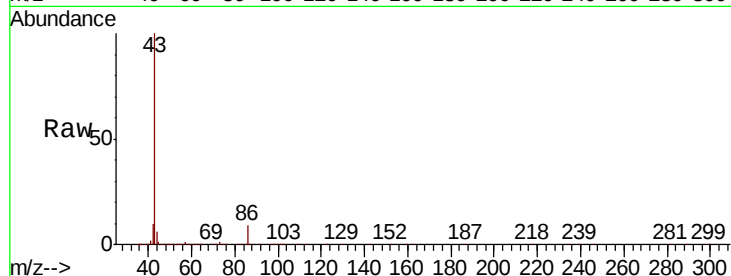
Ion	Ratio	Lower	Upper
43	100		
86	8.7	6.2	9.2
42	10.3	8.0	12.0
44	6.1	5.2	7.8

43 100

86 8.7 6.2 9.2

42 10.3 8.0 12.0

44 6.1 5.2 7.8



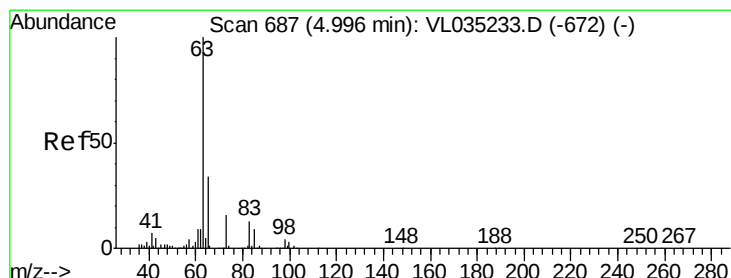
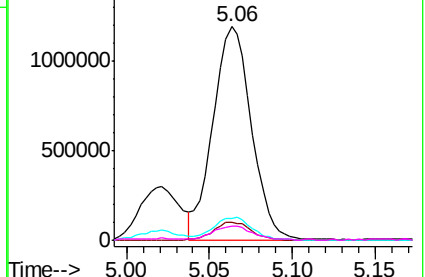
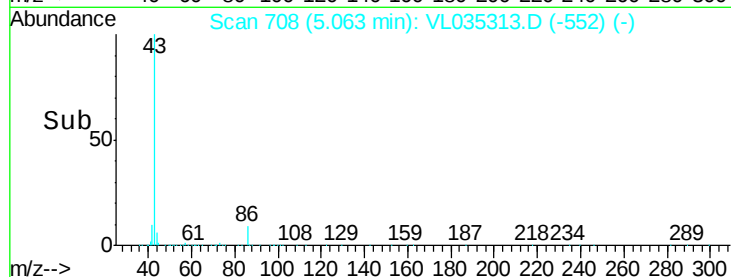
Abundance Ion 43.10 (42.80 to 43.80): VL0

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

Time-->



#24

1,1-Dichloroethane

Concen: 10.168 ppbv

RT: 5.00 min Scan# 689

Delta R.T. 0.01 min

Lab File: VL035313.D

Acq: 31 Jul 2020 21:59

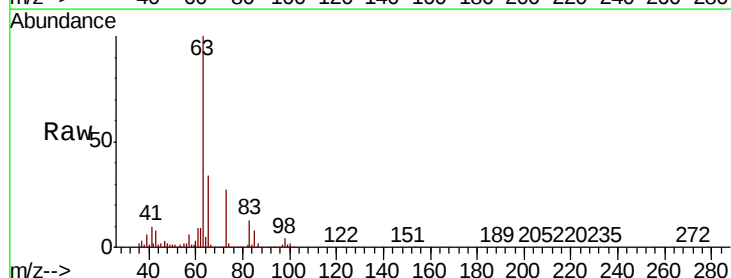
Tgt Ion: 63 Resp: 1661626

Ion	Ratio	Lower	Upper
63	100		
98	4.2	1.9	5.7
100	2.4	1.4	4.2

63 100

98 4.2 1.9 5.7

100 2.4 1.4 4.2

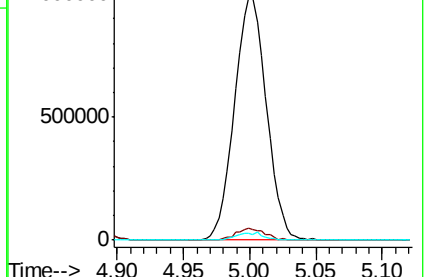
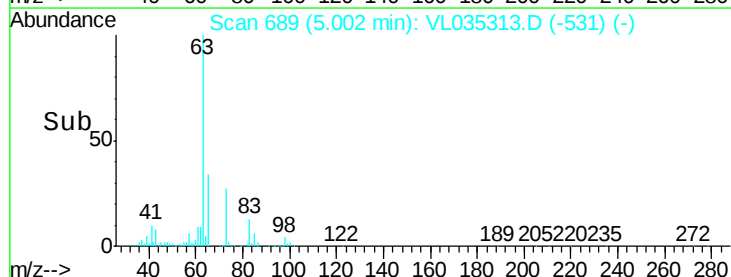


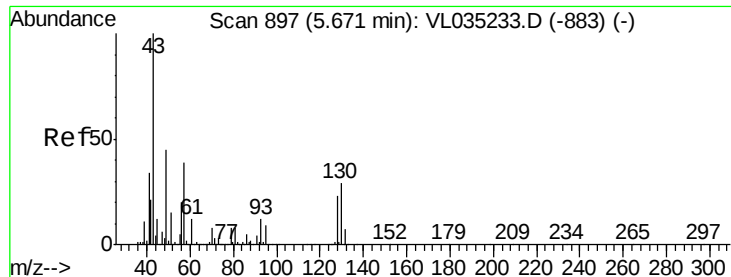
Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

Time-->



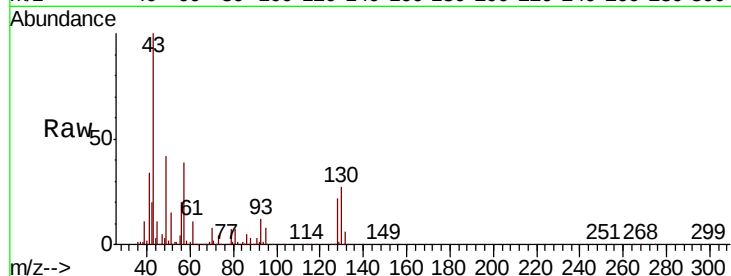


#25
Ethyl Acetate
Concen: 10.363 ppbv
RT: 5.67 min Scan# 898
Delta R.T. 0.00 min
Lab File: VL035313.D
Acq: 31 Jul 2020 21:59

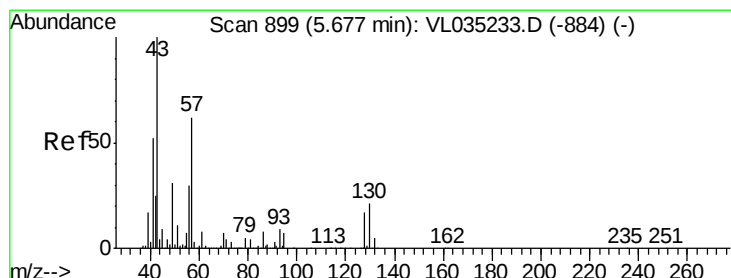
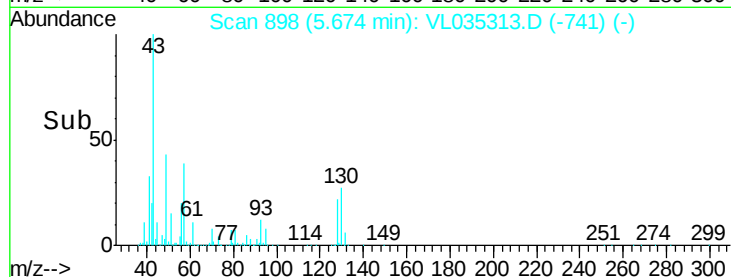
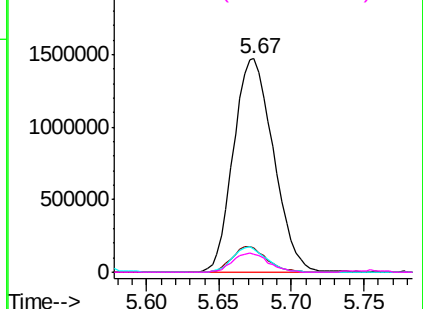
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 43 Resp: 2822102

Ion	Ratio	Lower	Upper
43	100		
45	10.7	8.5	12.7
61	10.2	8.1	12.1
70	8.1	6.2	9.4



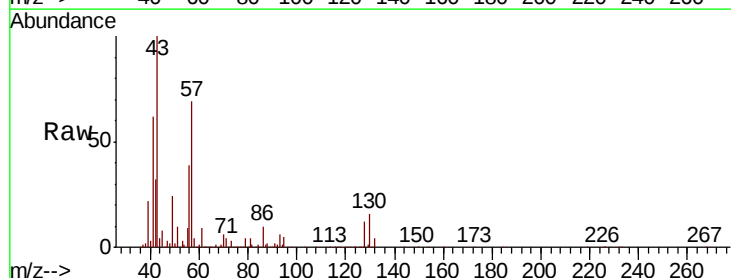
Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0



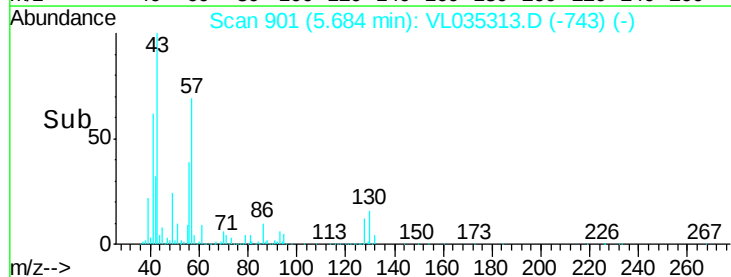
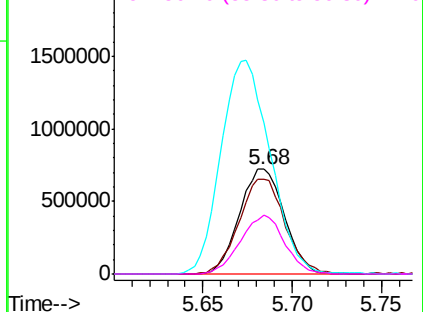
#26
Hexane
Concen: 10.301 ppbv
RT: 5.68 min Scan# 901
Delta R.T. 0.01 min
Lab File: VL035313.D
Acq: 31 Jul 2020 21:59

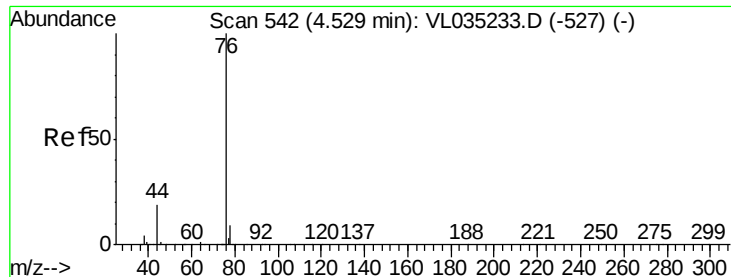
Tgt Ion: 57 Resp: 1265544

Ion	Ratio	Lower	Upper
57	100		
41	93.2	73.9	110.9
43	223.3	177.6	266.4
56	54.8	43.0	64.4



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: 10.941 ppbv

RT: 4.53 min Scan# 543

Delta R.T. 0.00 min

Lab File: VL035313.D

Acq: 31 Jul 2020 21:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

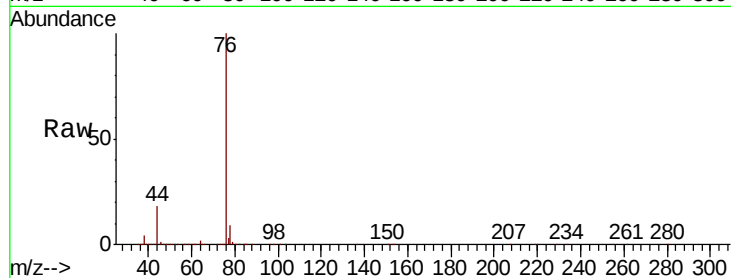
Tot Ion: 76 Resp: 1816000

Ion Ratio Lower Upper

76 100

44 19.0 14.7 22.1

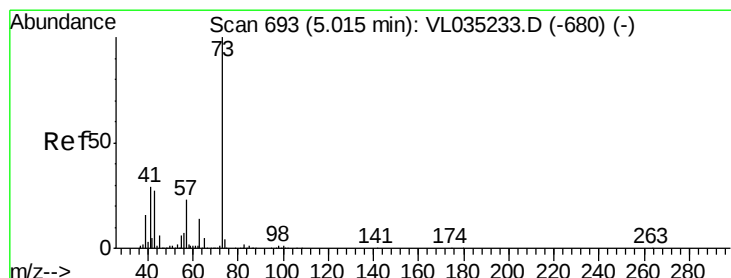
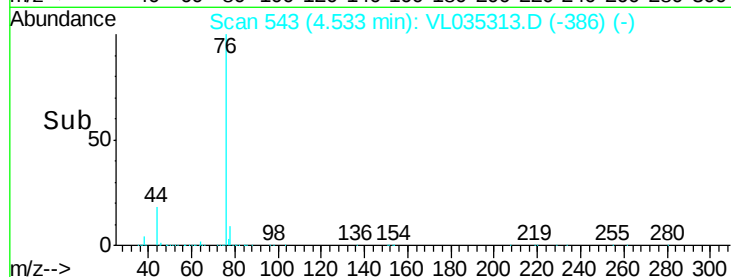
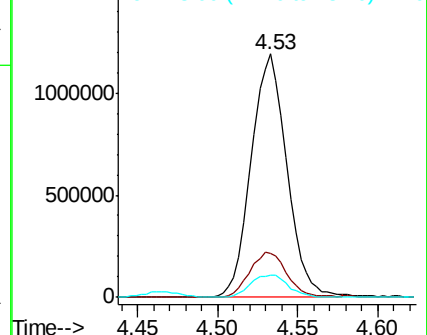
78 9.9 7.6 11.4



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: 10.924 ppbv

RT: 5.02 min Scan# 695

Delta R.T. 0.01 min

Lab File: VL035313.D

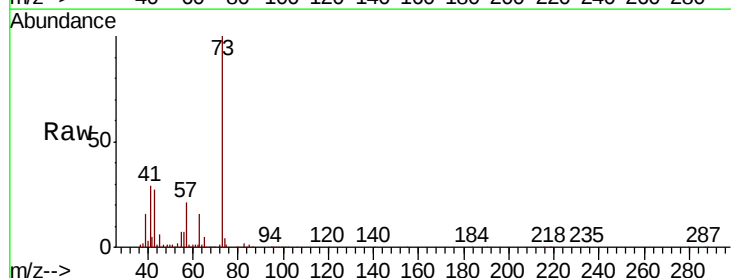
Acq: 31 Jul 2020 21:59

Tgt Ion: 73 Resp: 1918570

Ion Ratio Lower Upper

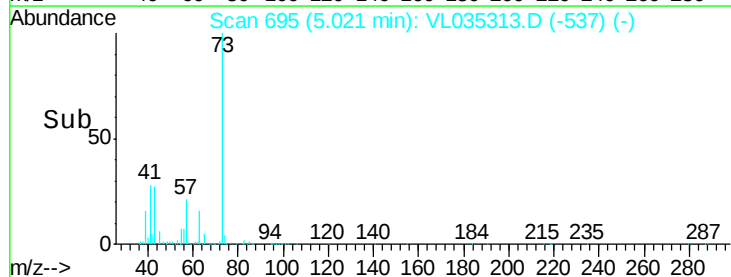
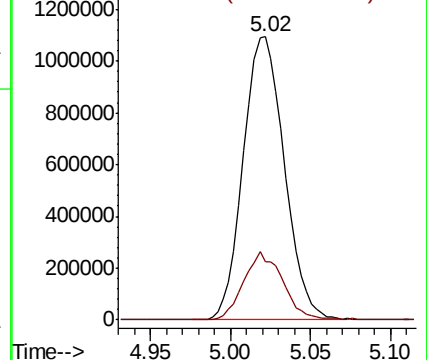
73 100

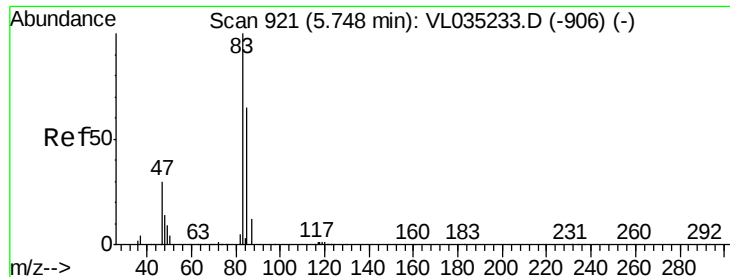
57 22.9 18.2 27.4



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 10.205 ppbv

RT: 5.75 min Scan# 923

Delta R.T. 0.01 min

Lab File: VL035313.D

Acq: 31 Jul 2020 21:59

Instrument :

MSVOA_L

ClientSampleId :

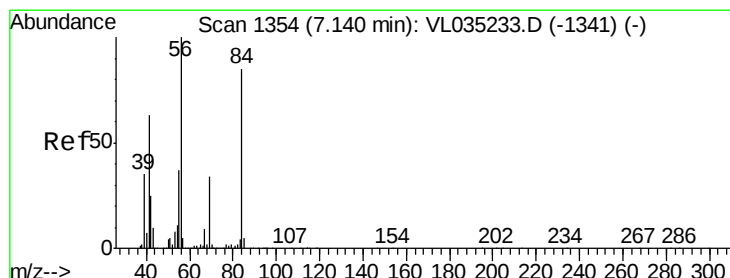
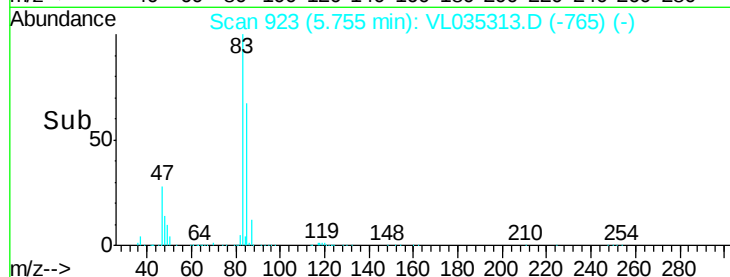
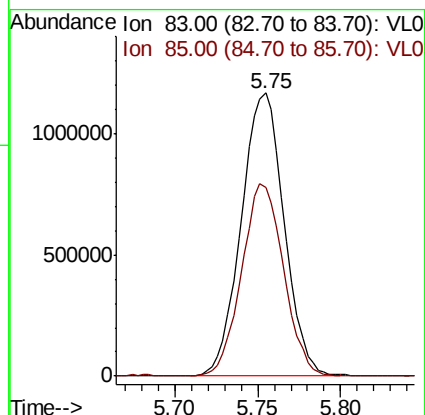
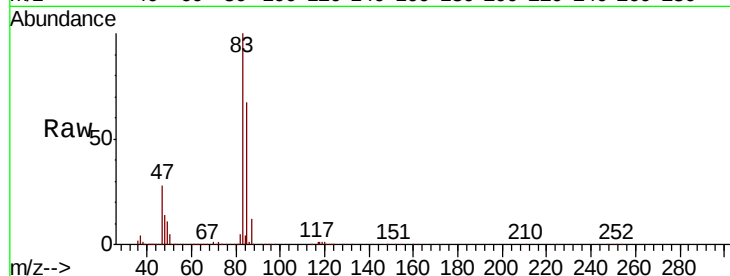
VSTDCCC010EC

Tot Ion: 83 Resp: 2102735

Ion Ratio Lower Upper

83 100

85 66.4 51.7 77.5



#30

Cyclohexane

Concen: 12.005 ppbv

RT: 7.14 min Scan# 1355

Delta R.T. 0.00 min

Lab File: VL035313.D

Acq: 31 Jul 2020 21:59

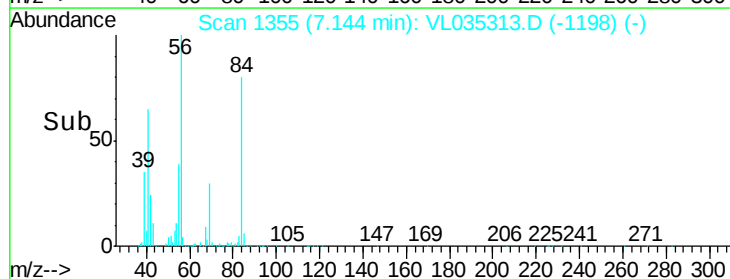
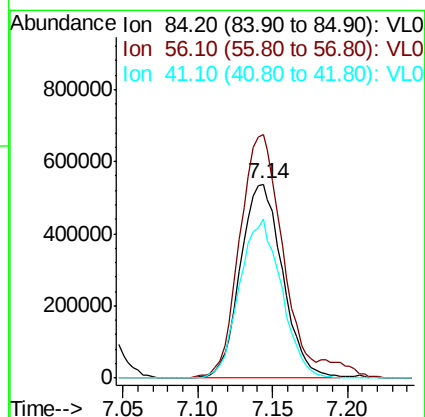
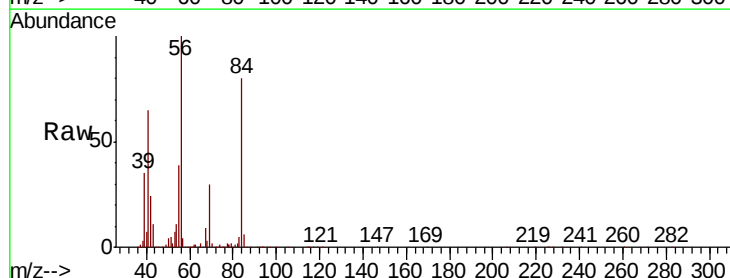
Tgt Ion: 84 Resp: 1054271

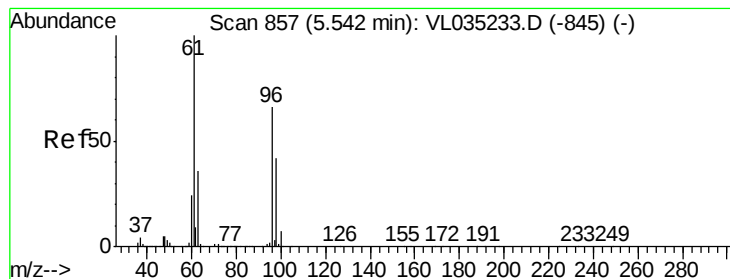
Ion Ratio Lower Upper

84 100

56 133.0 104.2 156.2

41 81.8 63.7 95.5





#31

cis-1,2-Dichloroethene

Concen: 11.810 ppbv

RT: 5.55 min Scan# 858

Delta R.T. 0.00 min

Lab File: VL035313.D

Acq: 31 Jul 2020 21:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

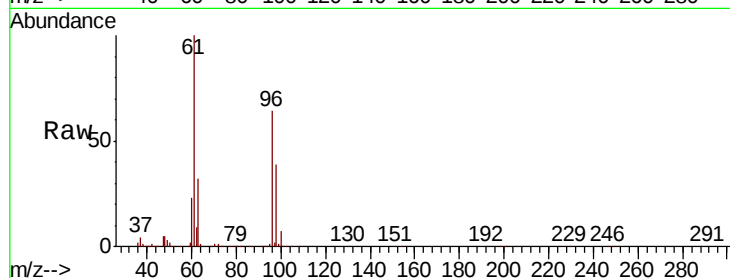
Tot Ion: 61 Resp: 1264866

Ion Ratio Lower Upper

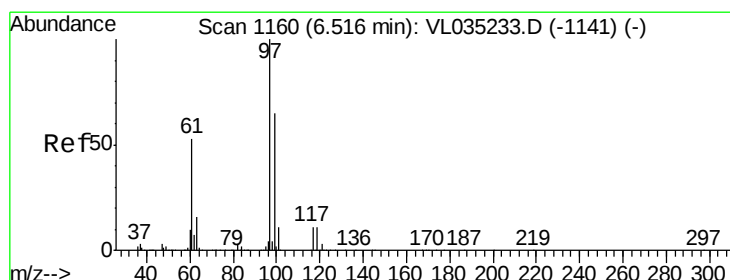
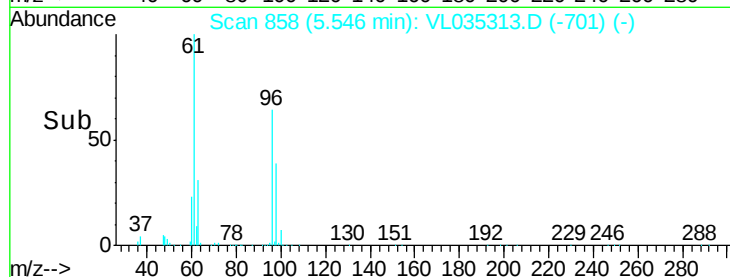
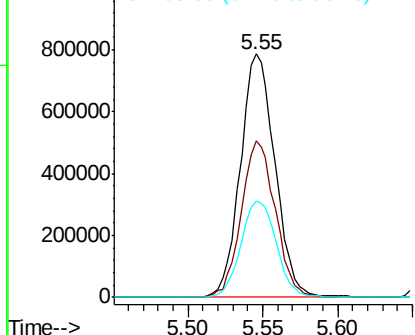
61 100

96 64.1 52.6 78.8

98 39.4 33.7 50.5



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



#32

1,1,1-Trichloroethane

Concen: 9.855 ppbv

RT: 6.52 min Scan# 1161

Delta R.T. 0.00 min

Lab File: VL035313.D

Acq: 31 Jul 2020 21:59

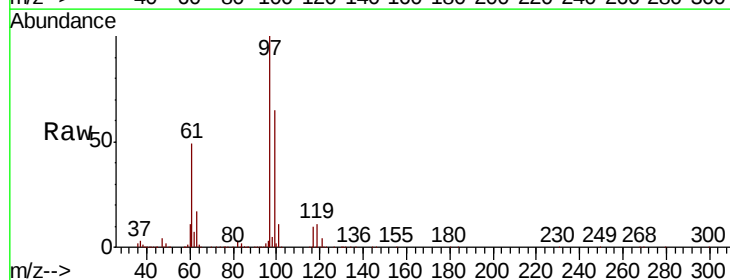
Tgt Ion: 97 Resp: 2078454

Ion Ratio Lower Upper

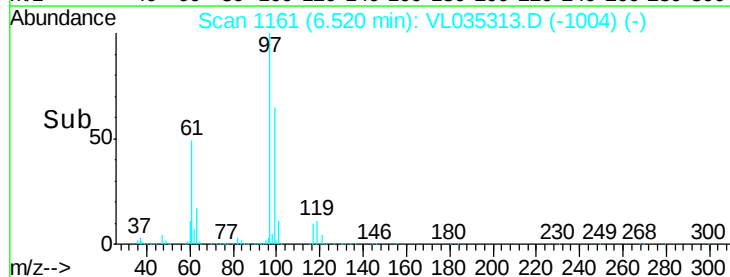
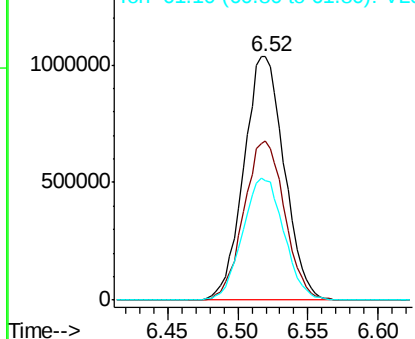
97 100

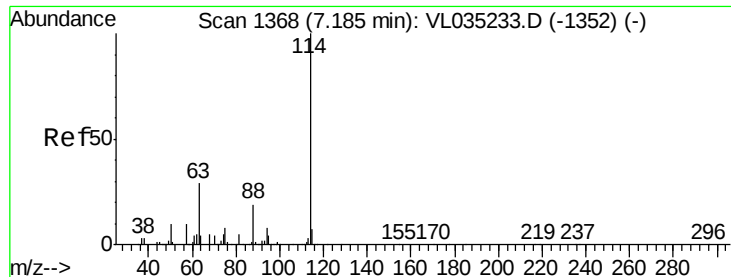
99 65.8 51.4 77.0

61 51.4 40.4 60.6



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

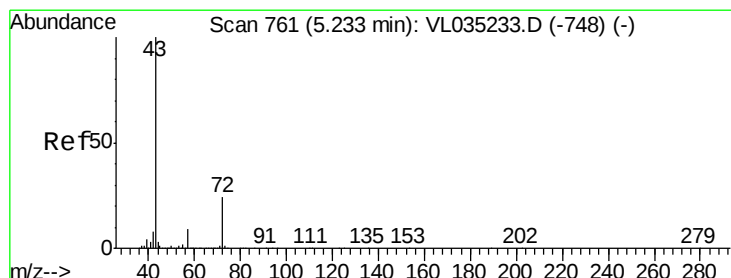
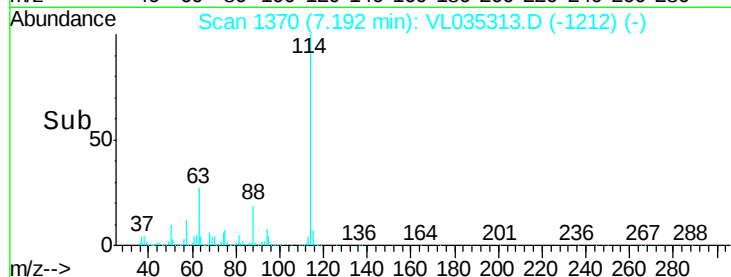
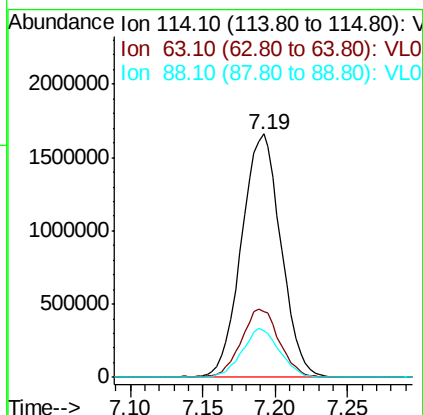
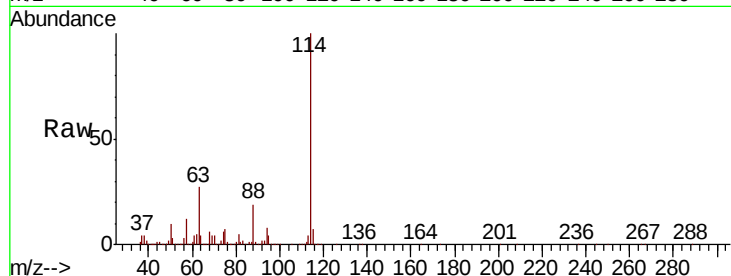




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1370
 Delta R.T. 0.01 min
 Lab File: VL035313.D
 Acq: 31 Jul 2020 21:59

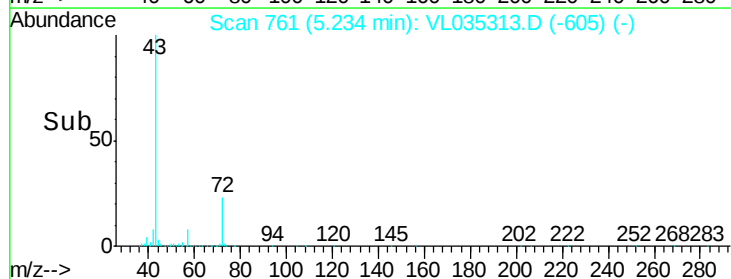
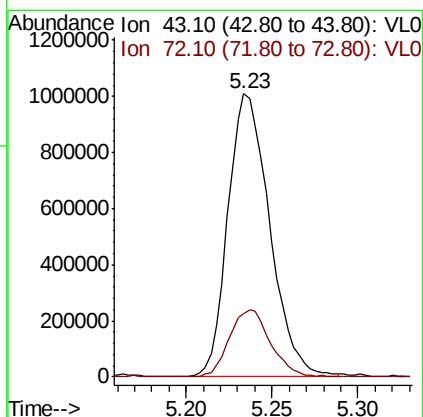
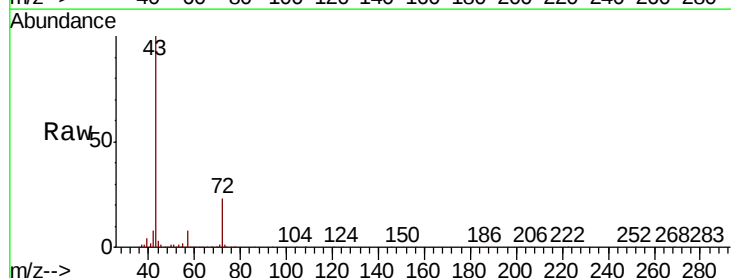
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

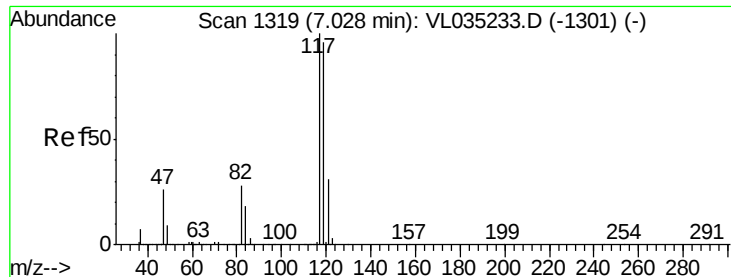
Tot Ion:114 Resp: 3139197
 Ion Ratio Lower Upper
 114 100
 63 27.4 22.2 33.2
 88 19.0 15.4 23.0



#34
 2-Butanone
 Concen: 10.583 ppbv
 RT: 5.23 min Scan# 761
 Delta R.T. 0.00 min
 Lab File: VL035313.D
 Acq: 31 Jul 2020 21:59

Tgt Ion: 43 Resp: 1690338
 Ion Ratio Lower Upper
 43 100
 72 23.7 19.2 28.8

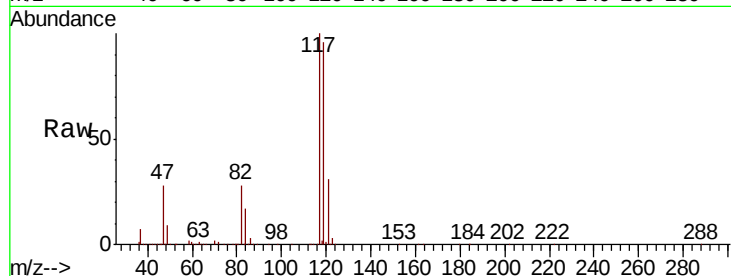




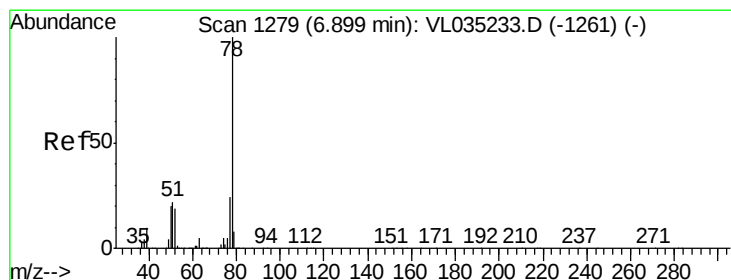
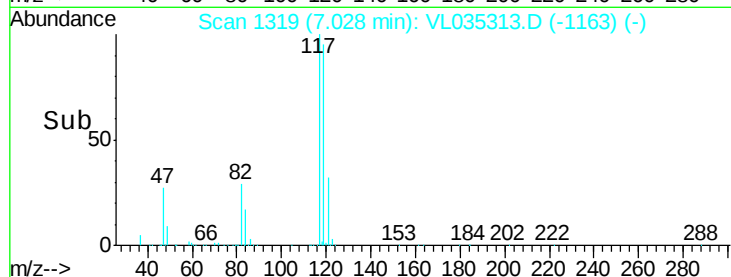
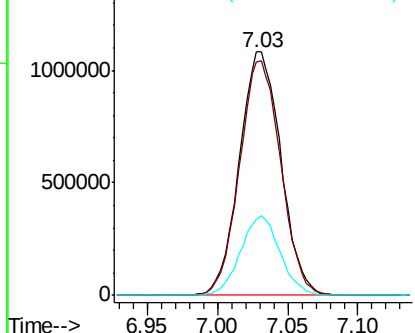
#35
Carbon Tetrachloride
Concen: 10.589 ppbv
RT: 7.03 min Scan# 1319
Delta R.T. 0.00 min
Lab File: VL035313.D
Acq: 31 Jul 2020 21:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:117 Resp: 2225728
Ion Ratio Lower Upper
117 100
119 95.6 76.8 115.2
121 31.3 24.5 36.7

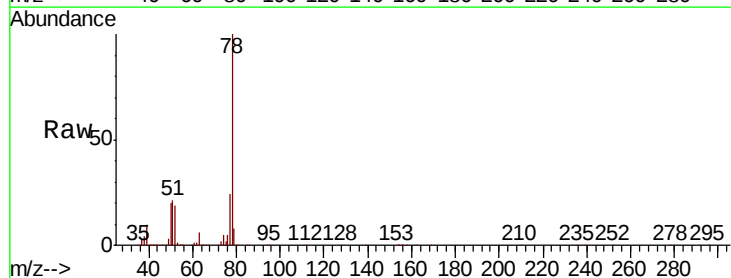


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

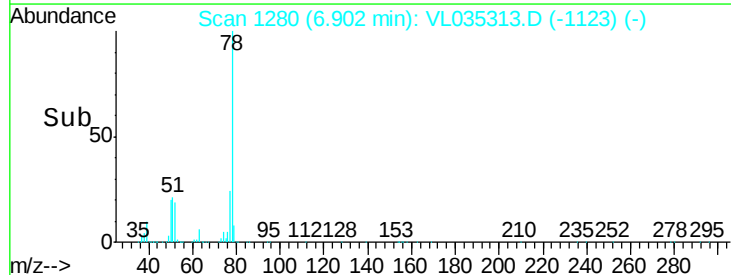
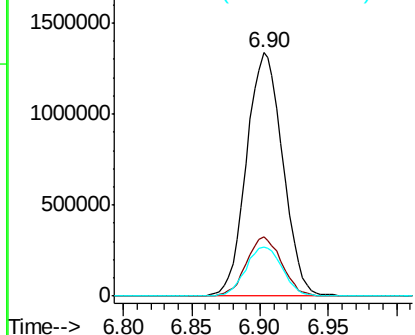


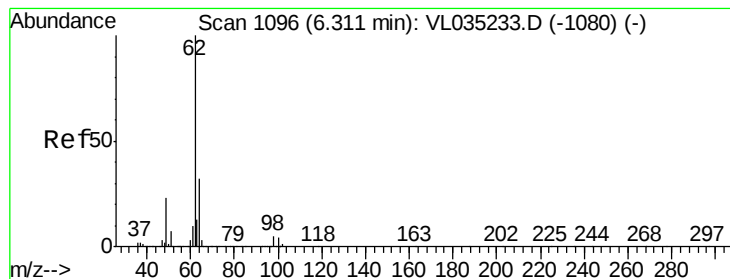
#36
Benzene
Concen: 11.296 ppbv
RT: 6.90 min Scan# 1280
Delta R.T. 0.00 min
Lab File: VL035313.D
Acq: 31 Jul 2020 21:59

Tgt Ion: 78 Resp: 2464408
Ion Ratio Lower Upper
78 100
77 24.2 18.9 28.3
50 20.2 16.1 24.1



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: 10.891 ppbv

RT: 6.31 min Scan# 1097

Delta R.T. 0.00 min

Lab File: VL035313.D

Acq: 31 Jul 2020 21:59

Instrument :

MSVOA_L

ClientSampleId :

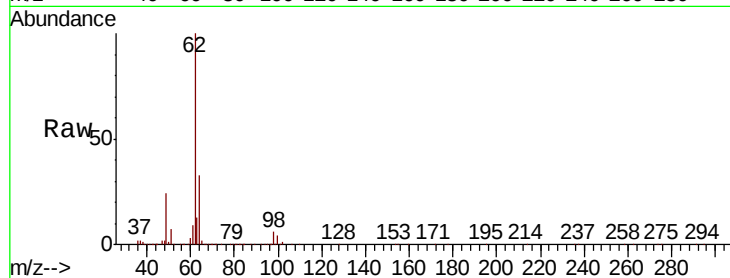
VSTDCCC010EC

Tot Ion: 62 Resp: 1661020

Ion Ratio Lower Upper

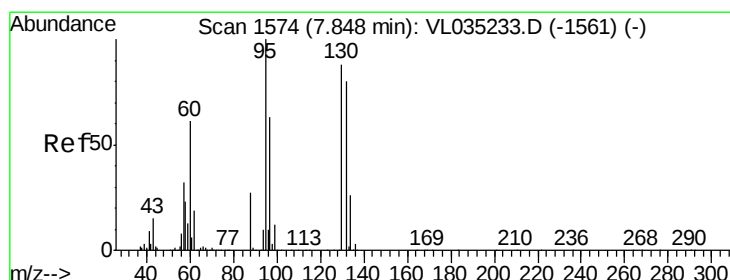
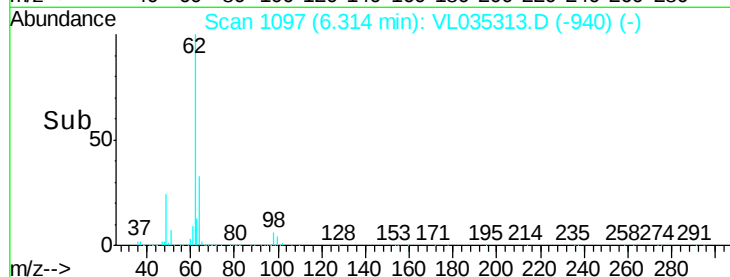
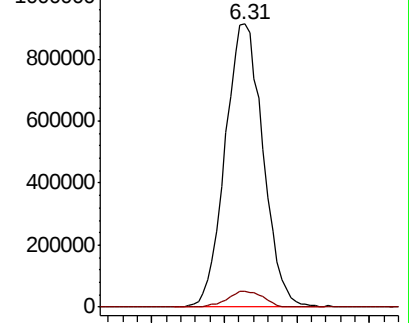
62 100

98 5.5 4.5 6.7



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



#38

Trichloroethene

Concen: 11.728 ppbv

RT: 7.85 min Scan# 1576

Delta R.T. 0.01 min

Lab File: VL035313.D

Acq: 31 Jul 2020 21:59

Tgt Ion:130 Resp: 1060415

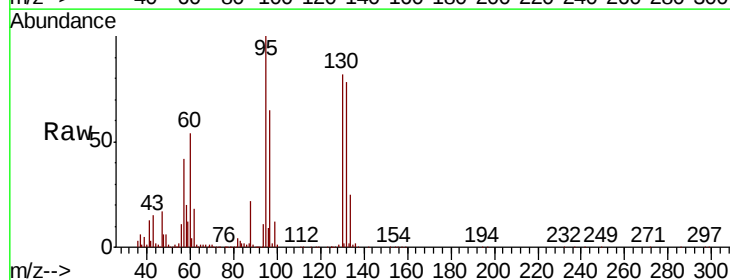
Ion Ratio Lower Upper

130 100

95 121.7 90.7 136.1

132 94.8 72.9 109.3

97 78.7 57.1 85.7

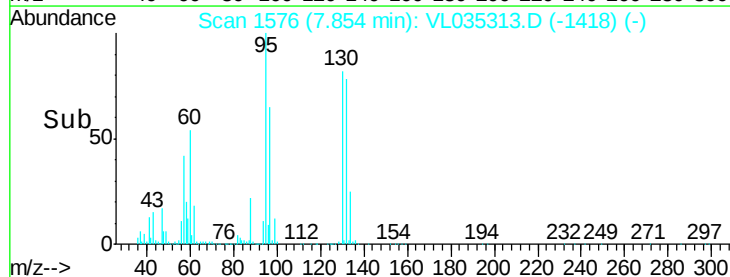
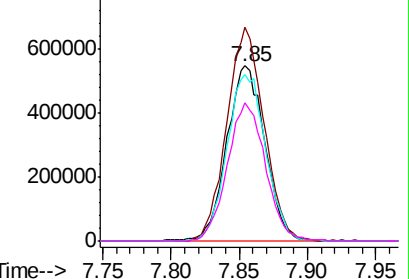


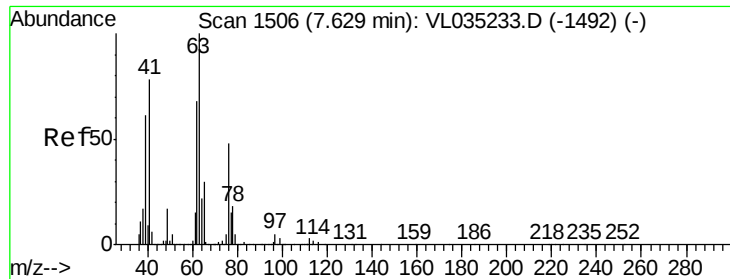
Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0





#39

1,2-Dichloropropane

Concen: 11.221 ppbv

RT: 7.63 min Scan# 1506

Delta R.T. 0.00 min

Lab File: VL035313.D

Acq: 31 Jul 2020 21:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

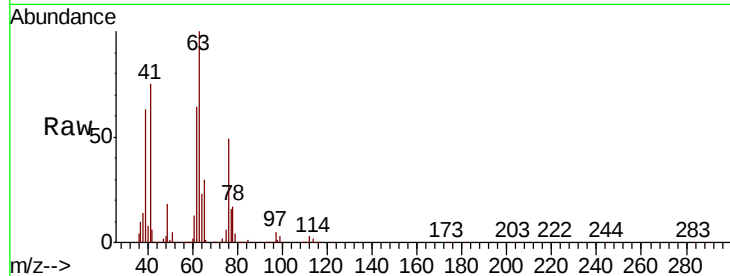
Tot Ion: 63 Resp: 976754

Ion Ratio Lower Upper

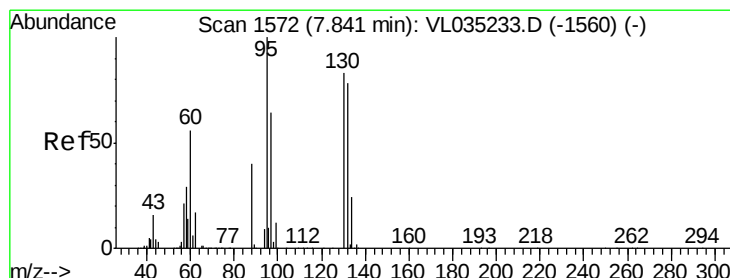
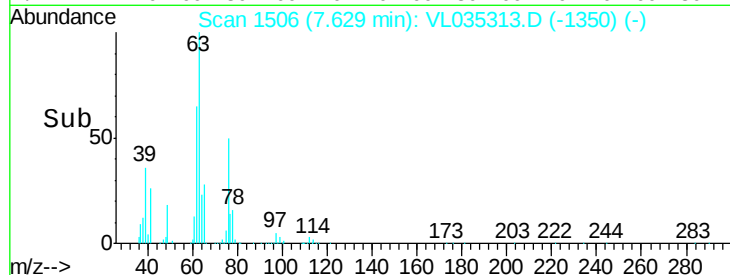
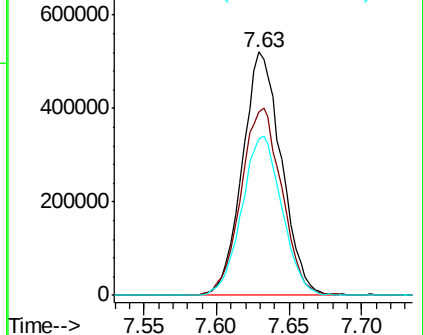
63 100

41 75.2 62.2 93.4

62 64.2 54.2 81.2



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: 10.935 ppbv

RT: 7.85 min Scan# 1575

Delta R.T. 0.01 min

Lab File: VL035313.D

Acq: 31 Jul 2020 21:59

Tgt Ion: 88 Resp: 374818

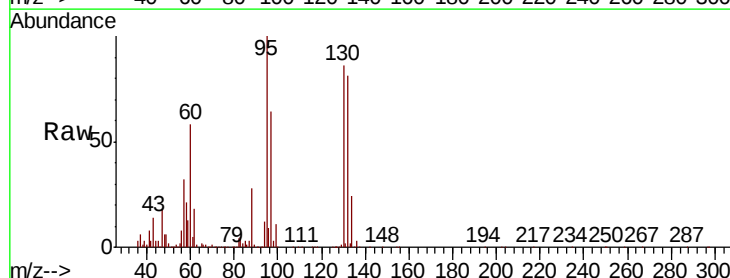
Ion Ratio Lower Upper

88 100

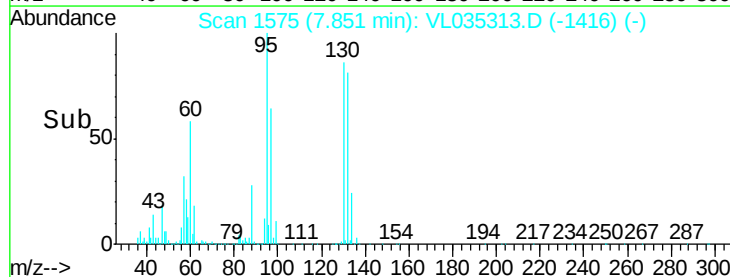
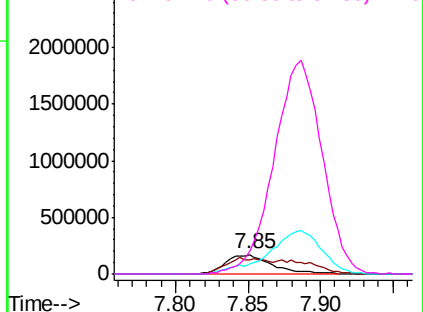
58 136.2 99.3 148.9

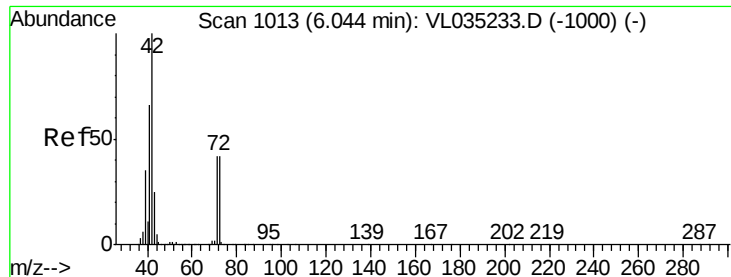
43 262.4 195.6 293.4

57 1161.9 854.3 1281.5



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: 11.524 ppbv

RT: 6.05 min Scan# 1014

Delta R.T. 0.00 min

Lab File: VL035313.D

Acq: 31 Jul 2020 21:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

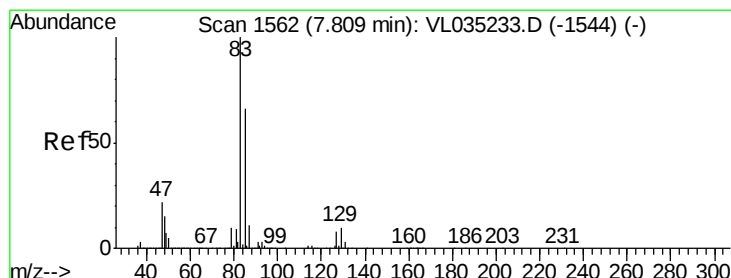
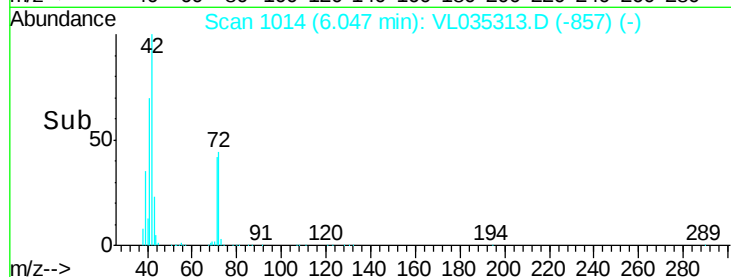
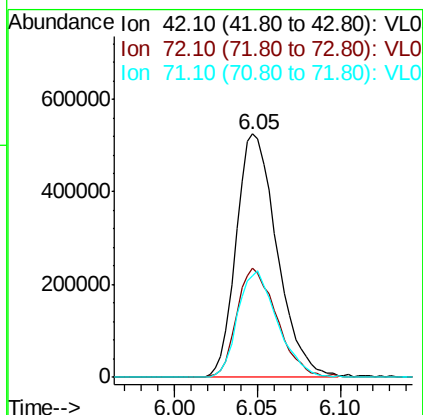
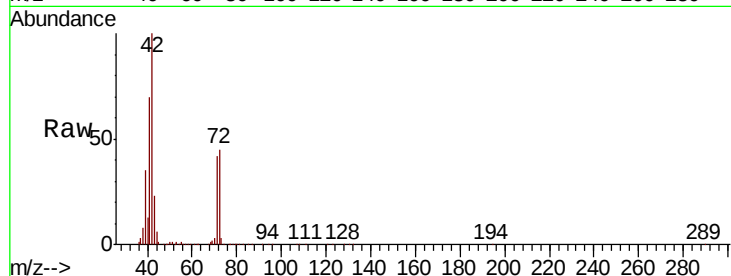
Tot Ion: 42 Resp: 902163

Ion Ratio Lower Upper

42 100

72 44.3 34.2 51.2

71 42.7 33.2 49.8



#42

Bromodichloromethane

Concen: 11.250 ppbv

RT: 7.81 min Scan# 1562

Delta R.T. 0.00 min

Lab File: VL035313.D

Acq: 31 Jul 2020 21:59

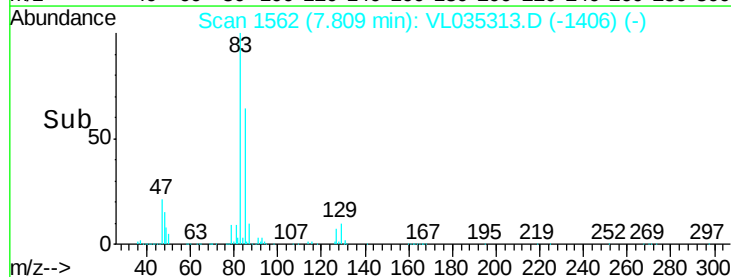
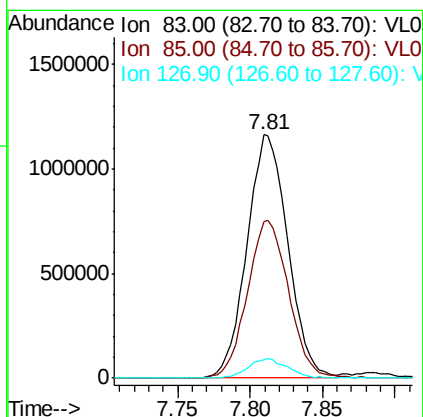
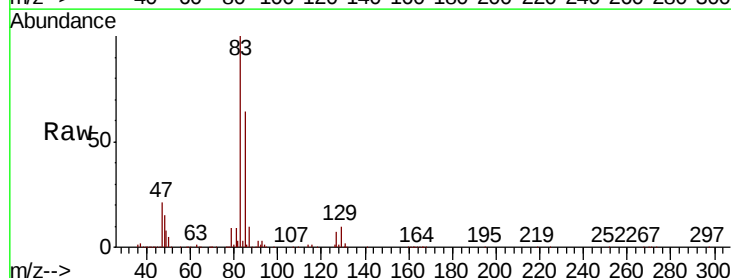
Tgt Ion: 83 Resp: 2289929

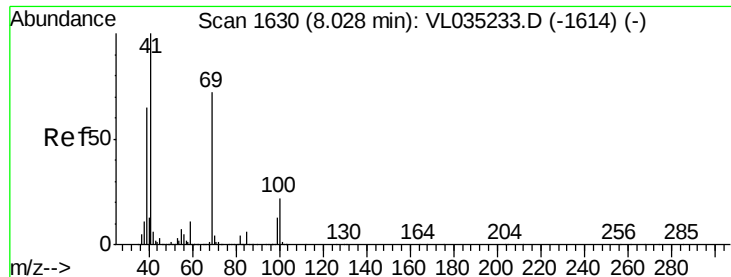
Ion Ratio Lower Upper

83 100

85 64.1 52.9 79.3

127 7.4 6.5 9.7

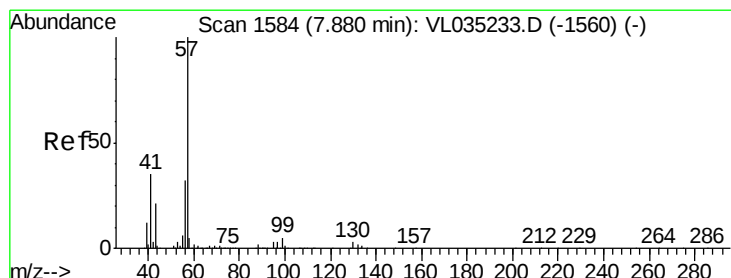
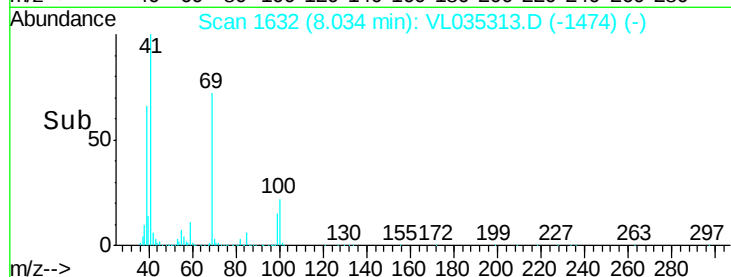
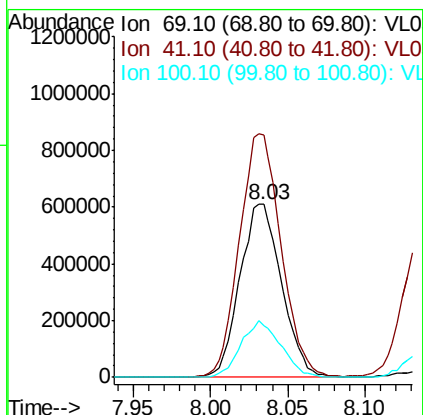
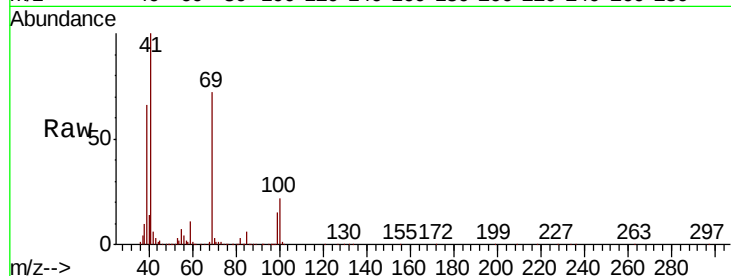




#43
Methvl Methacrvlate
Concen: 12.073 ppbv
RT: 8.03 min Scan# 1632
Delta R.T. 0.01 min
Lab File: VL035313.D
Acq: 31 Jul 2020 21:59

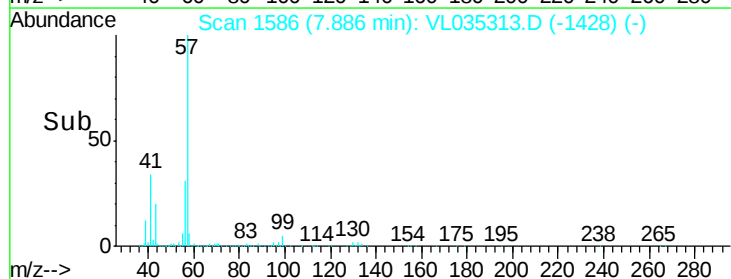
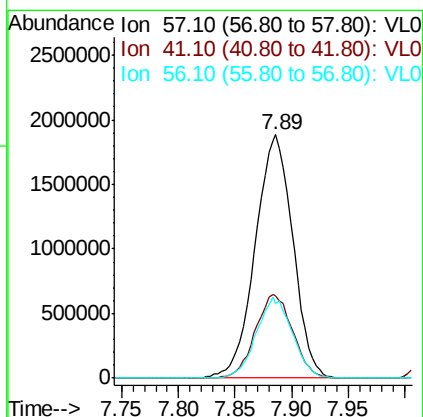
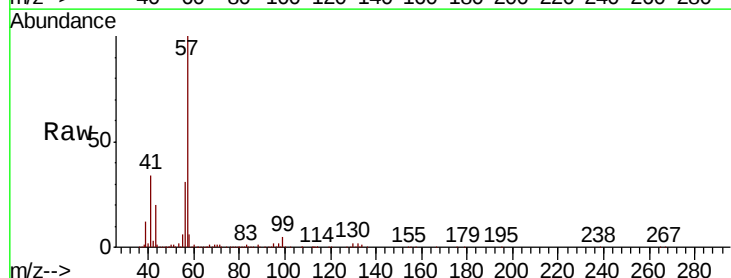
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

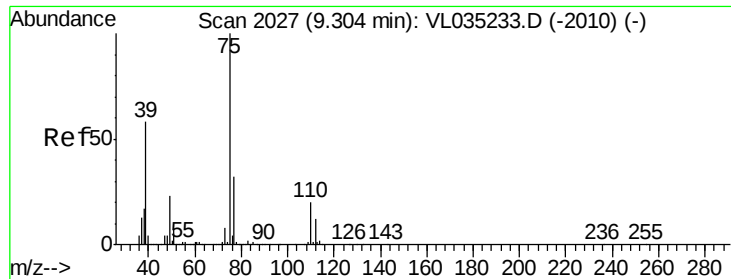
Tot Ion: 69 Resp: 1141202
Ion Ratio Lower Upper
69 100
41 141.0 113.0 169.4
100 31.8 25.3 37.9



#44
2,2,4-Trimethylpentane
Concen: 11.312 ppbv
RT: 7.89 min Scan# 1586
Delta R.T. 0.01 min
Lab File: VL035313.D
Acq: 31 Jul 2020 21:59

Tgt Ion: 57 Resp: 4348396
Ion Ratio Lower Upper
57 100
41 34.0 27.0 40.4
56 31.7 25.6 38.4





#45

t-1,3-Dichloropropene

Concen: 13.617 ppbv

RT: 9.31 min Scan# 2028

Delta R.T. 0.00 min

Lab File: VL035313.D

Acq: 31 Jul 2020 21:59

Instrument :

MSVOA_L

ClientSampleId :

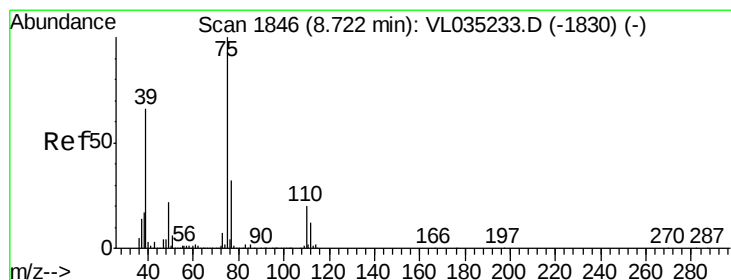
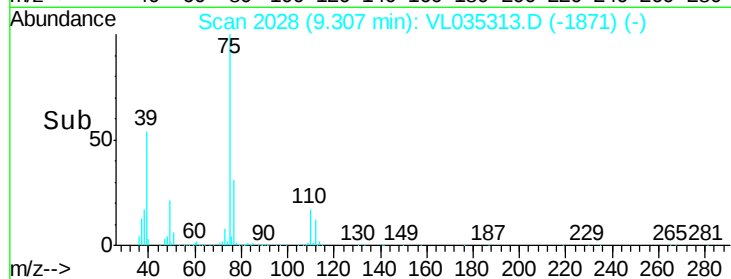
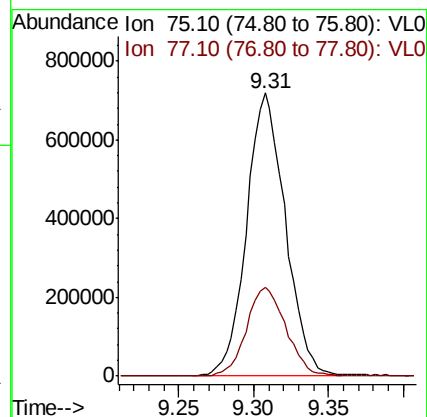
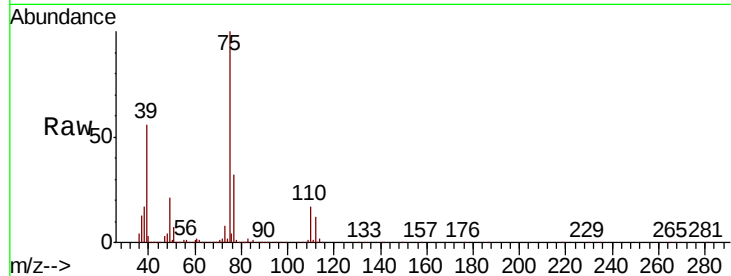
VSTDCCC010EC

Tot Ion: 75 Resp: 1296902

Ion Ratio Lower Upper

75 100

77 31.6 25.6 38.4



#46

cis-1,3-Dichloropropene

Concen: 13.168 ppbv

RT: 8.73 min Scan# 1848

Delta R.T. 0.01 min

Lab File: VL035313.D

Acq: 31 Jul 2020 21:59

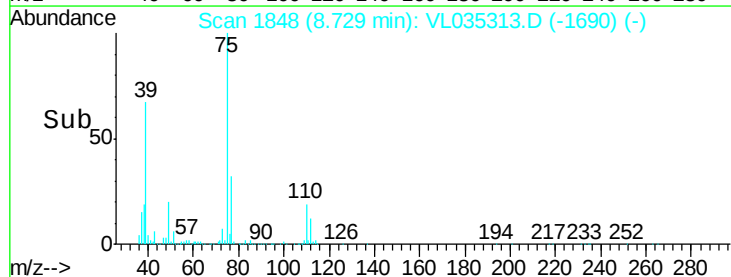
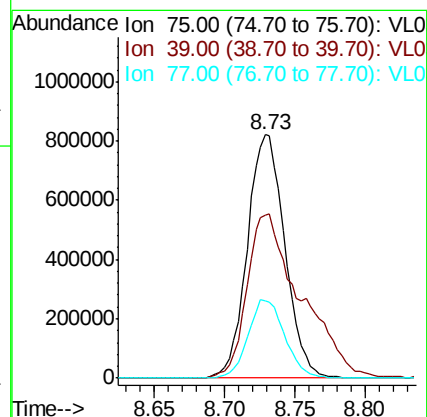
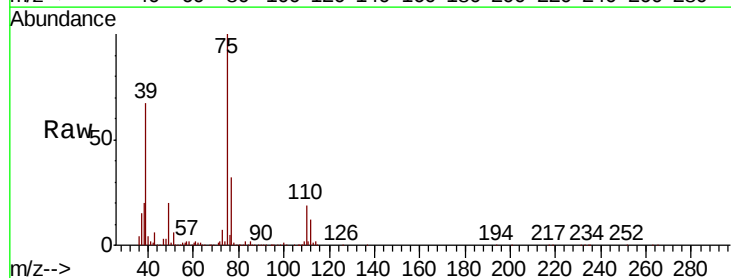
Tgt Ion: 75 Resp: 1527860

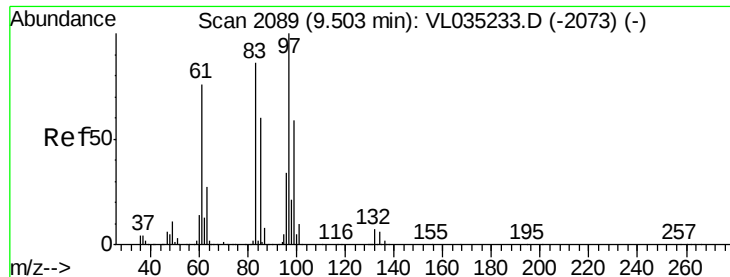
Ion Ratio Lower Upper

75 100

39 66.9 53.0 79.4

77 31.6 25.8 38.8



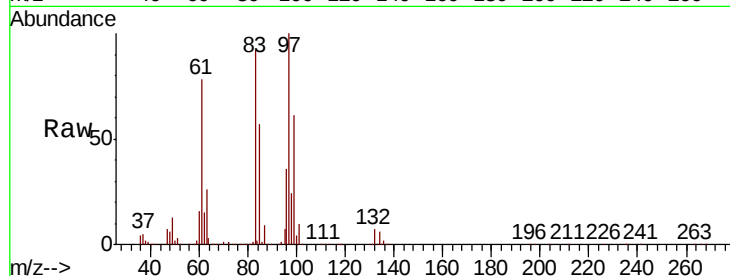


#47
 1,1,2-Trichloroethane
 Concen: 10.852 ppbv
 RT: 9.50 min Scan# 2089
 Delta R.T. 0.00 min
 Lab File: VL035313.D
 Acq: 31 Jul 2020 21:59

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 97 Resp: 1115874

Ion	Ratio	Lower	Upper
97	100		
83	92.4	69.0	103.4
85	57.2	47.8	71.8
99	61.3	47.6	71.4



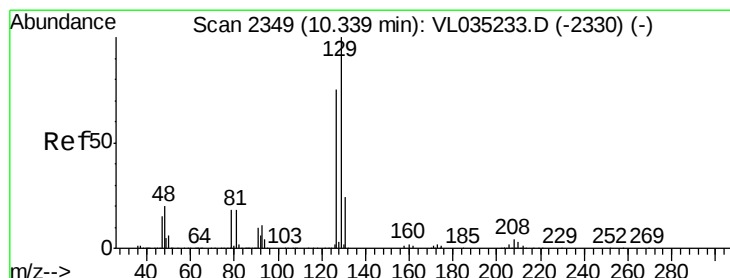
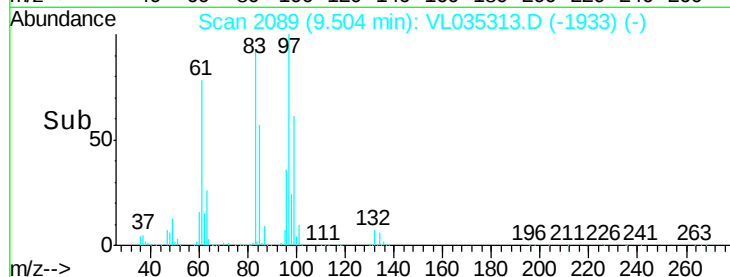
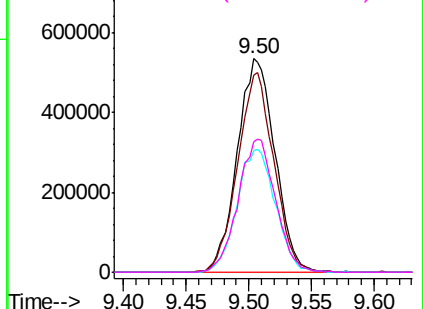
Abundance

Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

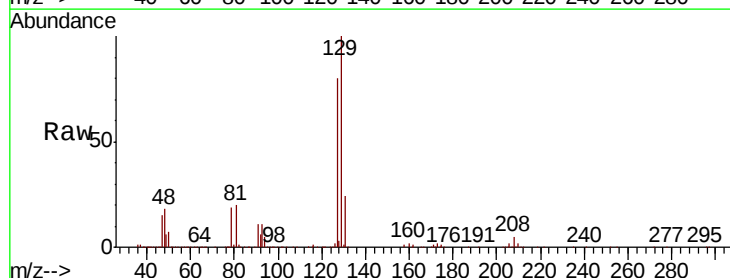
Ion 99.00 (98.70 to 99.70): VL0



#48
 Dibromochloromethane
 Concen: 11.849 ppbv
 RT: 10.34 min Scan# 2350
 Delta R.T. 0.00 min
 Lab File: VL035313.D
 Acq: 31 Jul 2020 21:59

Tgt Ion: 129 Resp: 1918808

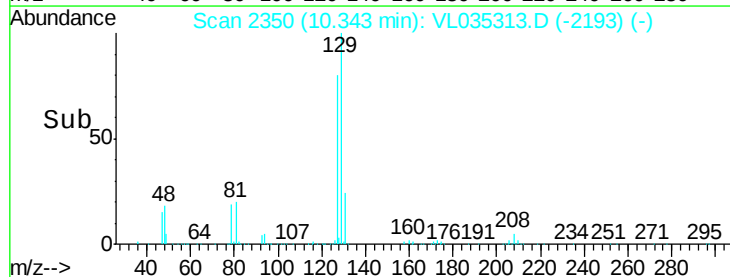
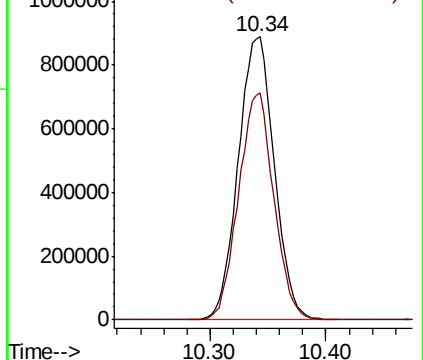
Ion	Ratio	Lower	Upper
129	100		
127	78.6	39.6	119.0

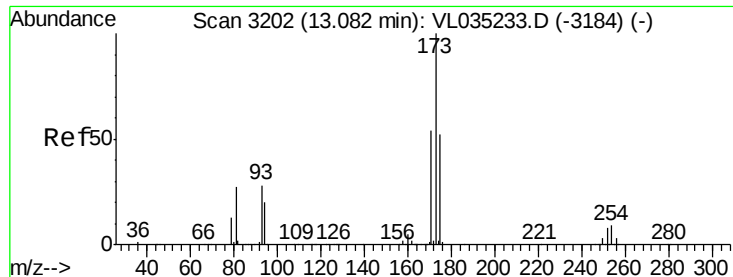


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 12.222 ppbv

RT: 13.09 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VL035313.D

Acq: 31 Jul 2020 21:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

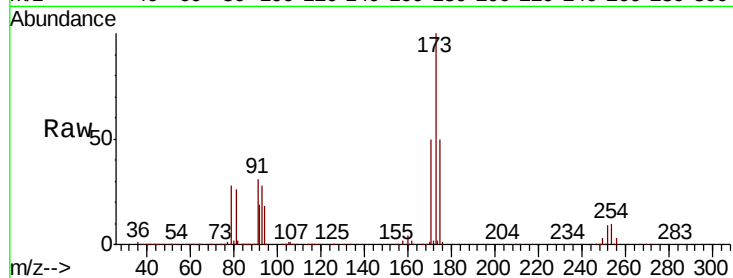
Tot Ion:173 Resp: 1779308

Ion Ratio Lower Upper

173 100

175 49.1 40.0 60.0

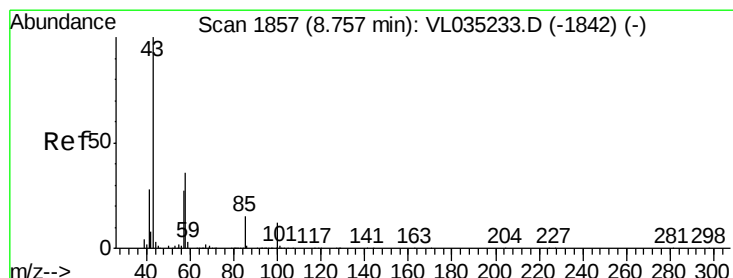
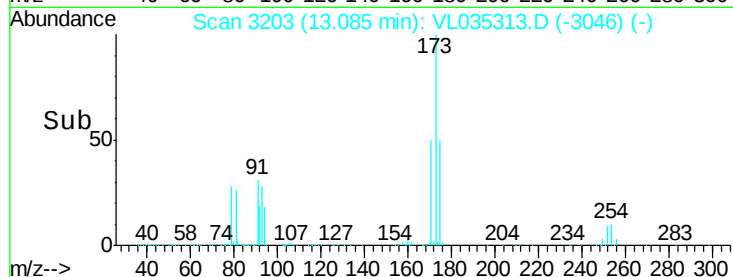
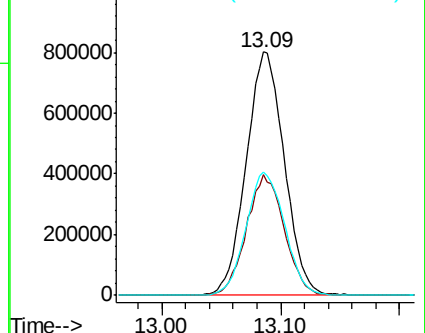
171 51.6 41.8 62.8



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 11.531 ppbv

RT: 8.76 min Scan# 1857

Delta R.T. 0.00 min

Lab File: VL035313.D

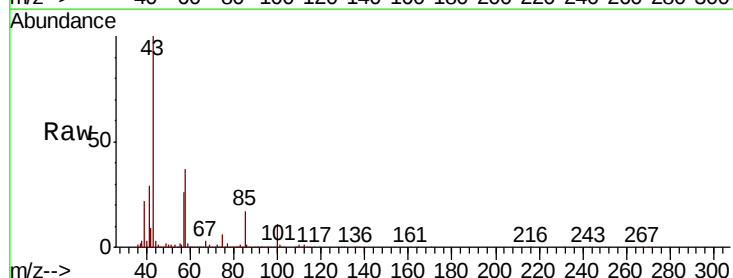
Acq: 31 Jul 2020 21:59

Tgt Ion: 43 Resp: 2669186

Ion Ratio Lower Upper

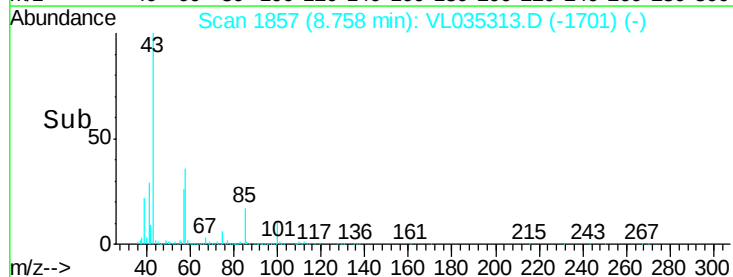
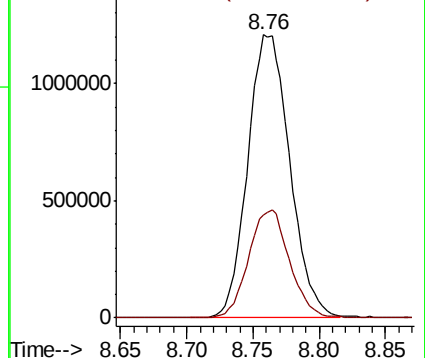
43 100

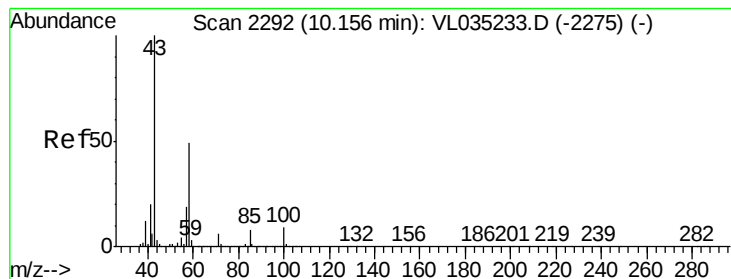
58 37.1 30.0 45.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 12.213 ppbv

RT: 10.16 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VL035313.D

Acq: 31 Jul 2020 21:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

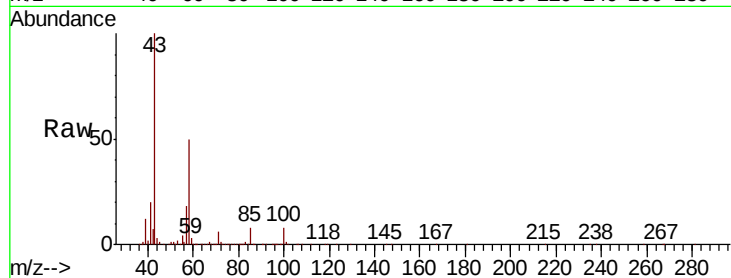
Tot Ion: 43 Resp: 2143756

Ion Ratio Lower Upper

43 100

58 49.7 38.8 58.2

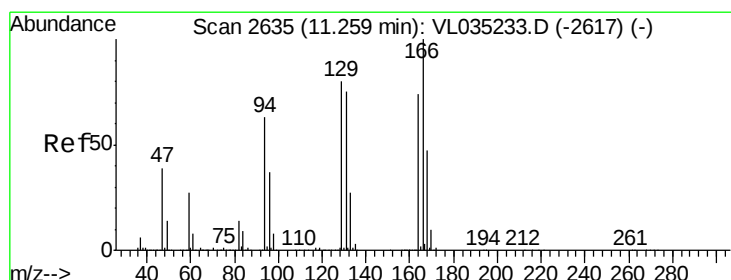
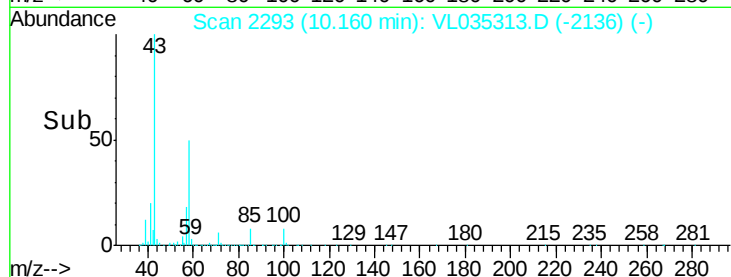
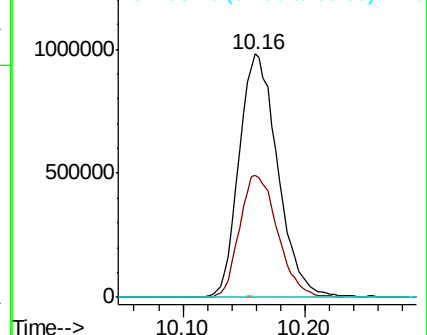
98 0.6 0.6 0.8



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: 11.129 ppbv

RT: 11.26 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VL035313.D

Acq: 31 Jul 2020 21:59

Tgt Ion:164 Resp: 926421

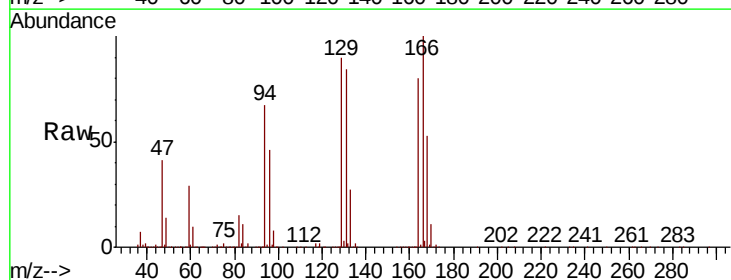
Ion Ratio Lower Upper

164 100

166 124.0 107.5 161.3

129 112.1 86.0 129.0

131 104.3 80.3 120.5

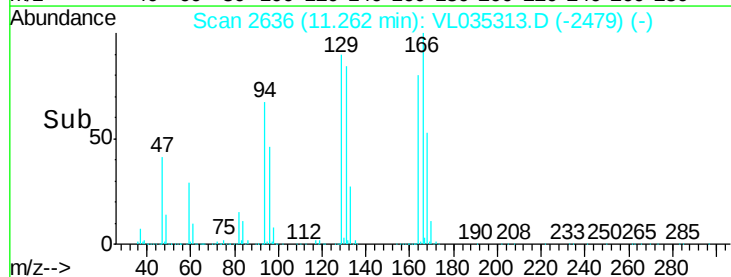
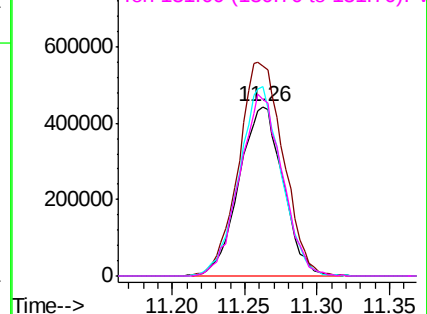


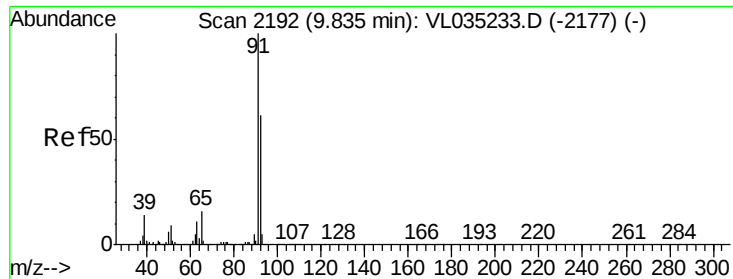
Abundance Ion 163.90 (163.60 to 164.60): V

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: 12.687 ppbv

RT: 9.84 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VL035313.D

Acq: 31 Jul 2020 21:59

Instrument :

MSVOA_L

ClientSampleId :

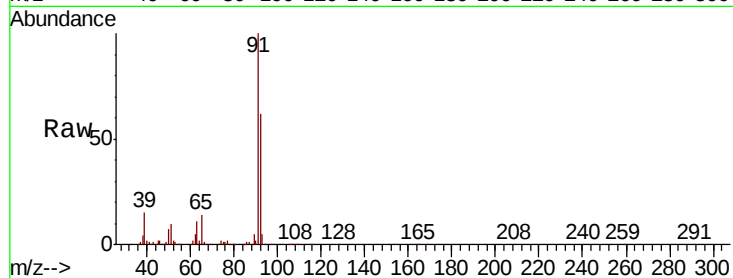
VSTDCCC010EC

Tot Ion: 91 Resp: 2941731

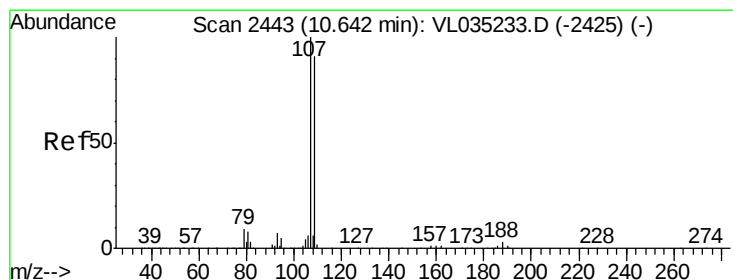
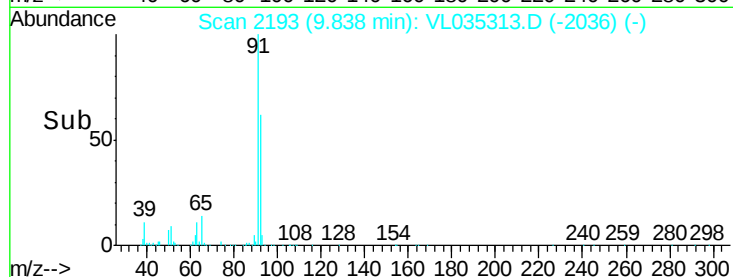
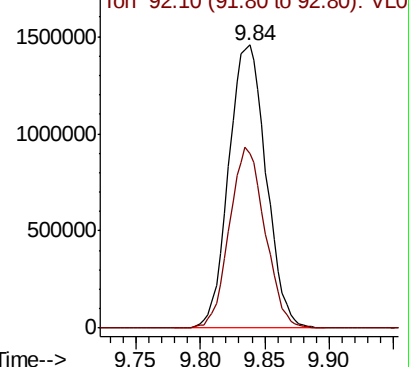
Ion Ratio Lower Upper

91 100

92 61.1 48.5 72.7



Abundance Ion 91.10 (90.80 to 91.80): VL0



#54

1,2-Dibromoethane

Concen: 11.400 ppbv

RT: 10.65 min Scan# 2445

Delta R.T. 0.01 min

Lab File: VL035313.D

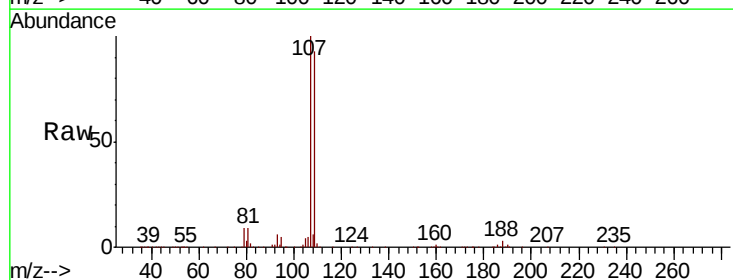
Acq: 31 Jul 2020 21:59

Tgt Ion: 107 Resp: 1694805

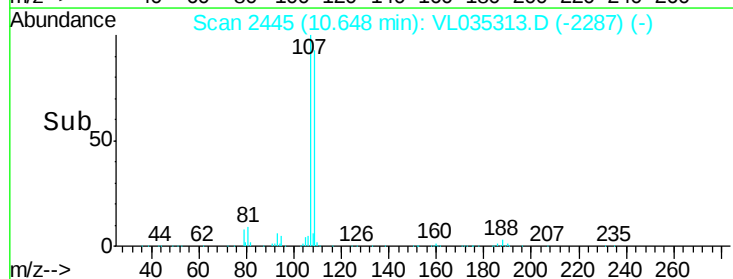
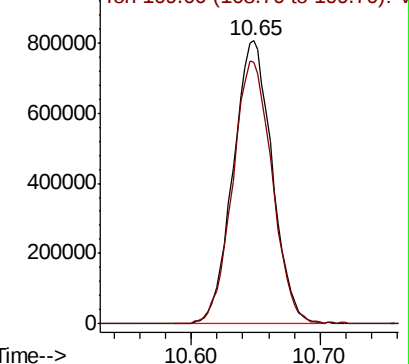
Ion Ratio Lower Upper

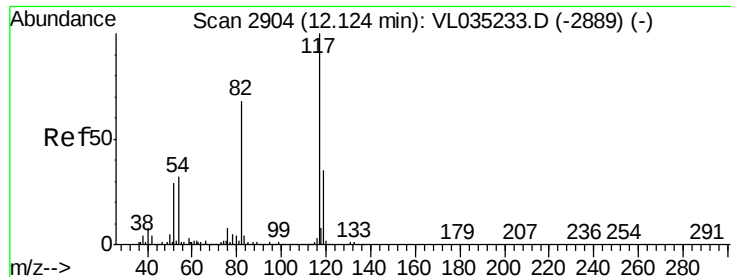
107 100

109 92.6 73.0 109.6



Abundance Ion 107.00 (106.70 to 107.70): V





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.13 min Scan# 2905

Delta R.T. 0.00 min

Lab File: VL035313.D

Acq: 31 Jul 2020 21:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

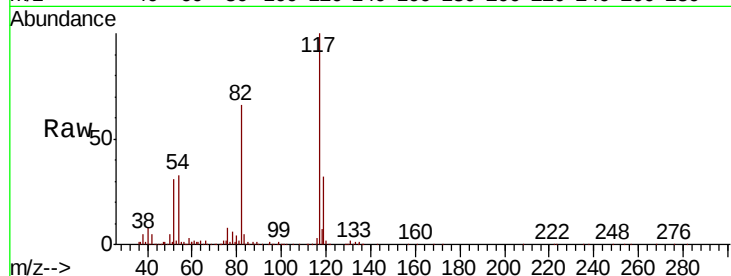
Tot Ion:117 Resp: 3223723

Ion Ratio Lower Upper

117 100

82 63.8 52.4 78.6

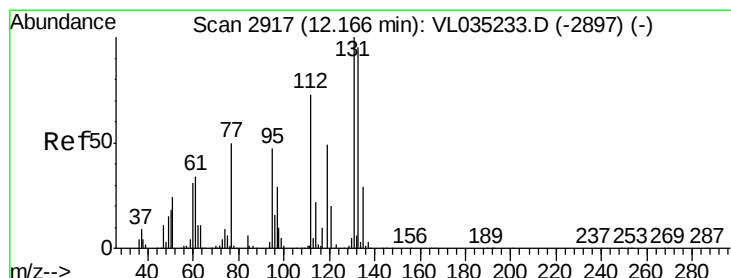
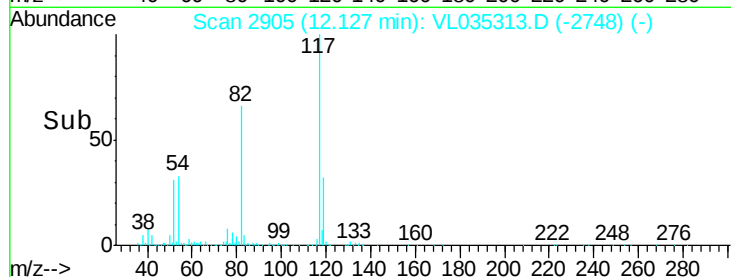
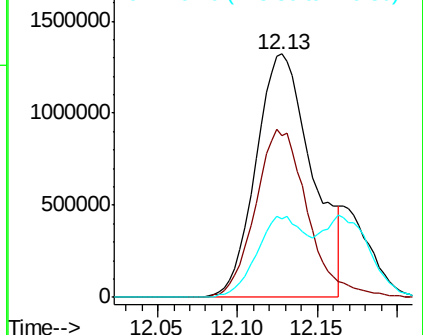
119 29.3 24.6 36.8



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 10.102 ppbv

RT: 12.17 min Scan# 2917

Delta R.T. 0.00 min

Lab File: VL035313.D

Acq: 31 Jul 2020 21:59

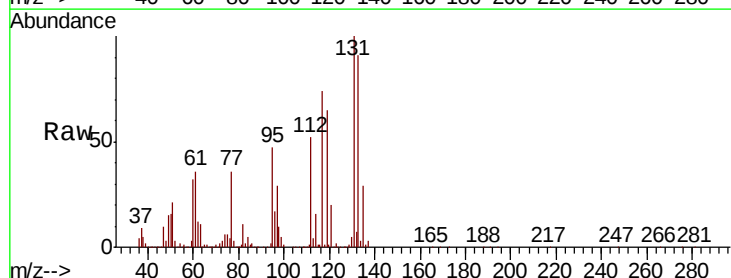
Tgt Ion:131 Resp: 1497429

Ion Ratio Lower Upper

131 100

133 95.1 76.1 114.1

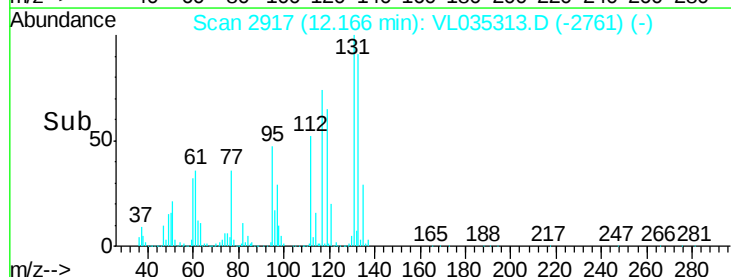
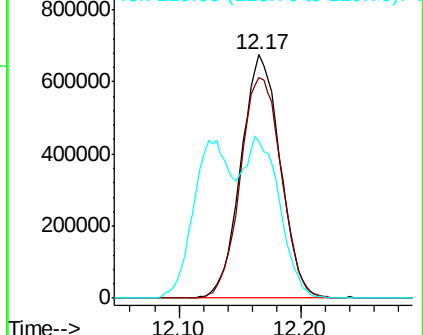
119 58.3 44.3 66.5

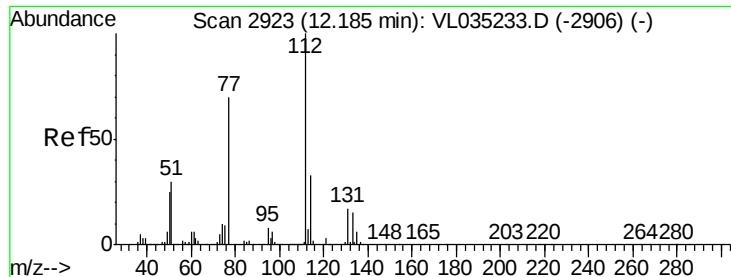


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 9.954 ppbv

RT: 12.19 min Scan# 2923

Delta R.T. 0.00 min

Lab File: VL035313.D

Acq: 31 Jul 2020 21:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

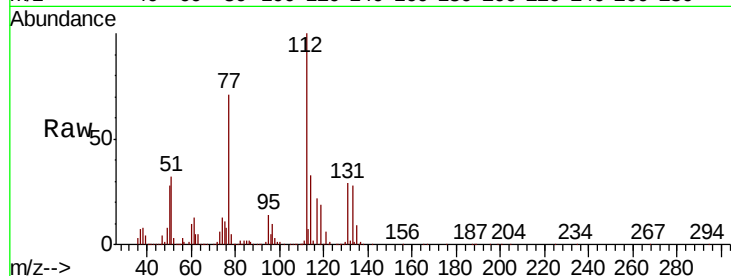
Tot Ion:112 Resp: 2414516

Ion Ratio Lower Upper

112 100

77 70.8 57.3 85.9

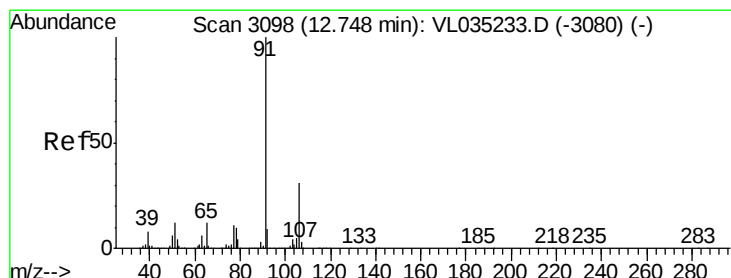
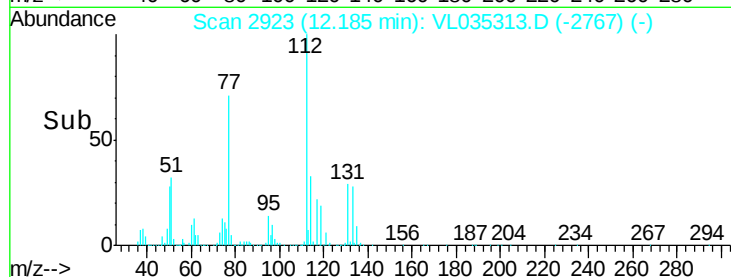
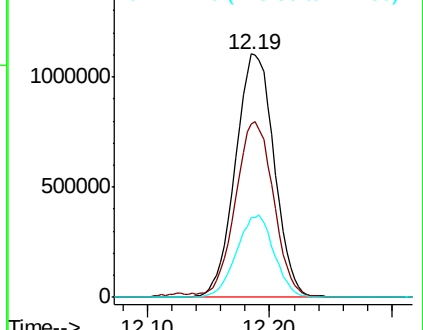
114 32.7 29.3 35.8



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: 11.960 ppbv

RT: 12.75 min Scan# 3099

Delta R.T. 0.00 min

Lab File: VL035313.D

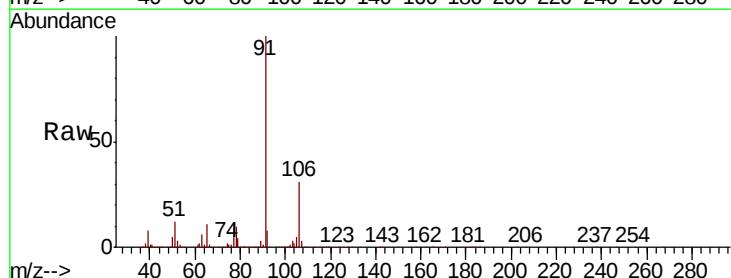
Acq: 31 Jul 2020 21:59

Tgt Ion: 91 Resp: 4083350

Ion Ratio Lower Upper

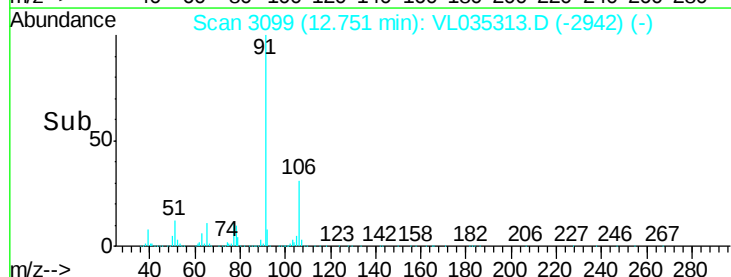
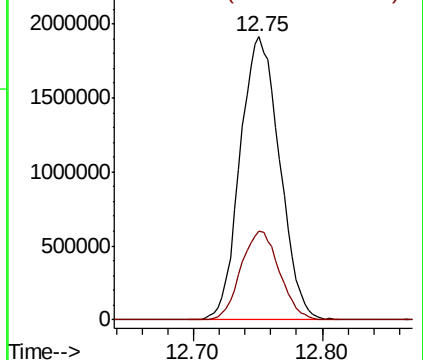
91 100

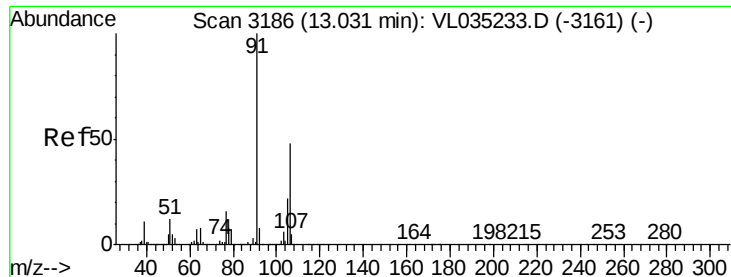
106 31.3 25.0 37.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

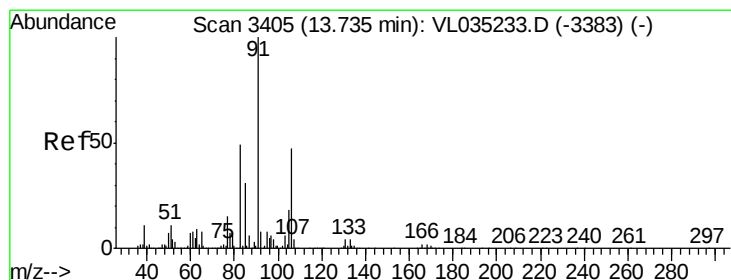
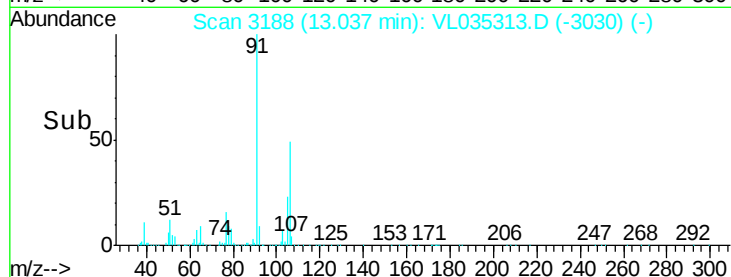
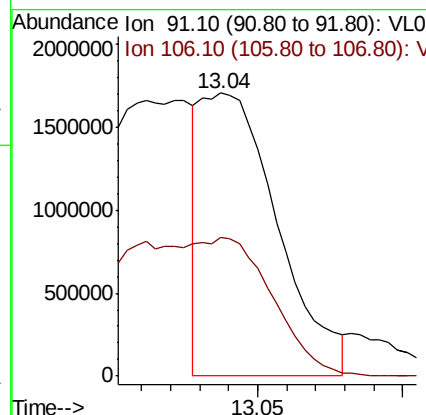
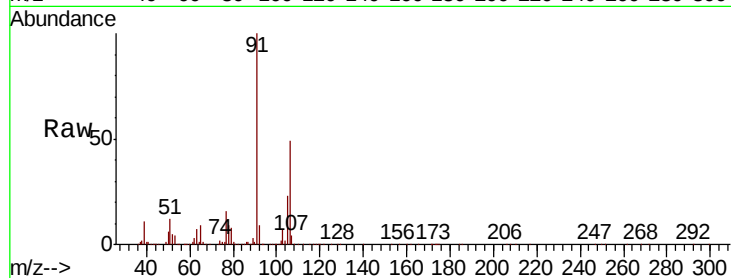




#59
m/p-Xylene
Concen: 9.824 ppbv
RT: 13.04 min Scan# 3188
Delta R.T. 0.01 min
Lab File: VL035313.D
Acq: 31 Jul 2020 21:59

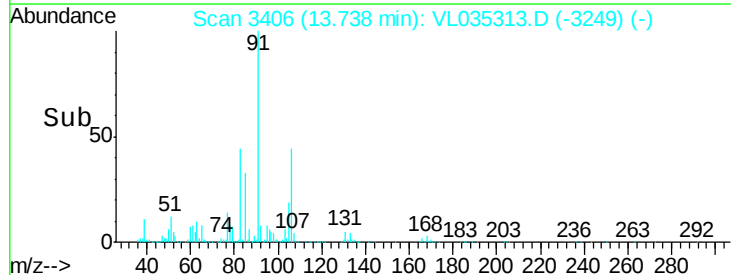
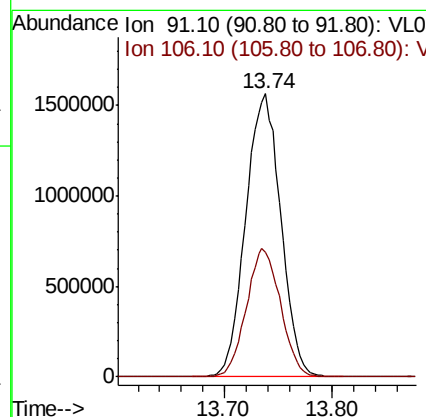
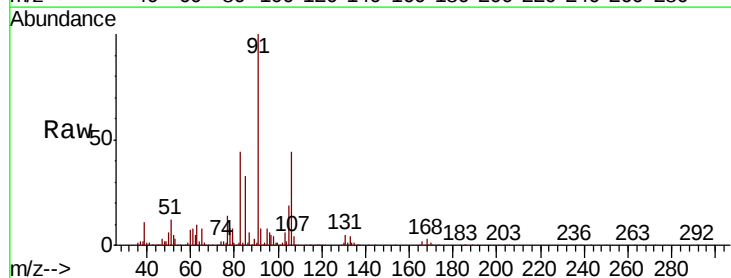
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

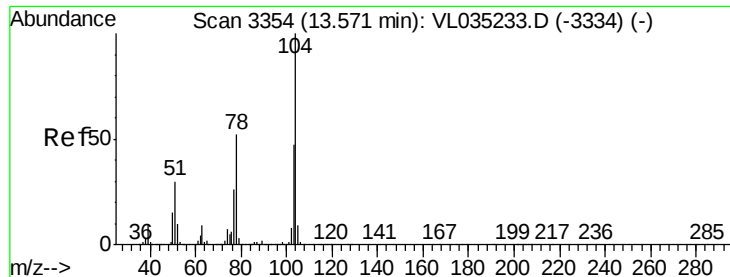
Tot Ion: 91 Resp: 3122423
Ion Ratio Lower Upper
91 100
106 103.1 37.2 55.8#



#60
o-Xylene
Concen: 11.145 ppbv
RT: 13.74 min Scan# 3406
Delta R.T. 0.00 min
Lab File: VL035313.D
Acq: 31 Jul 2020 21:59

Tgt Ion: 91 Resp: 3534418
Ion Ratio Lower Upper
91 100
106 44.1 22.4 67.0





#61

Stvrene

Concen: 12.600 ppbv

RT: 13.57 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VL035313.D

Acq: 31 Jul 2020 21:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

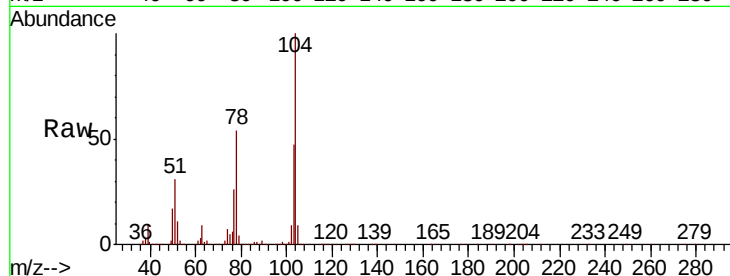
Tot Ion:104 Resp: 2425474

Ion Ratio Lower Upper

104 100

78 55.3 43.3 64.9

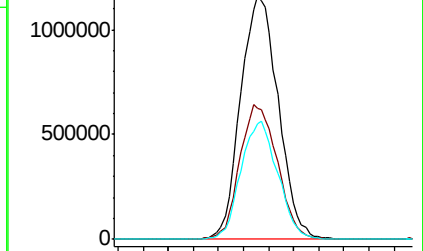
103 47.7 38.2 57.2



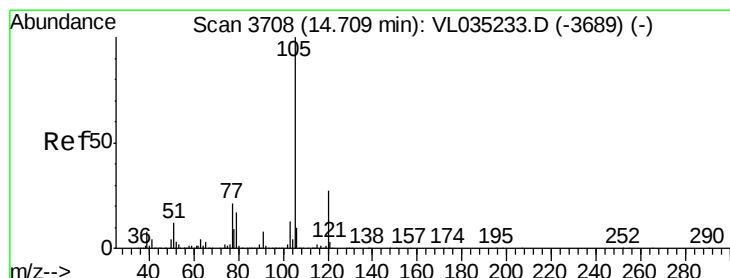
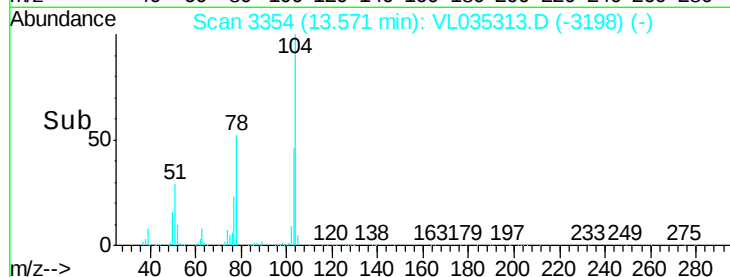
Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



Time-->



#62

Isopropylbenzene

Concen: 10.889 ppbv

RT: 14.71 min Scan# 3709

Delta R.T. 0.00 min

Lab File: VL035313.D

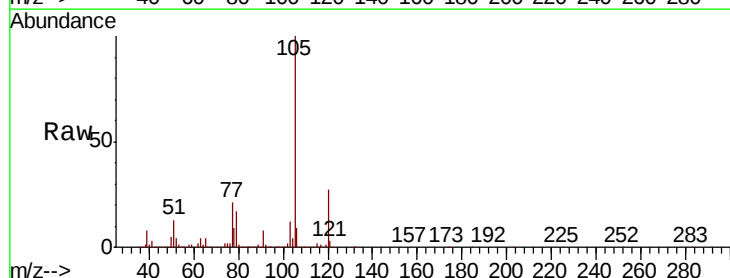
Acq: 31 Jul 2020 21:59

Tgt Ion:105 Resp: 5139587

Ion Ratio Lower Upper

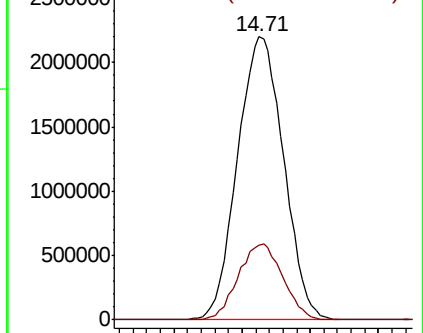
105 100

120 26.2 20.8 31.2

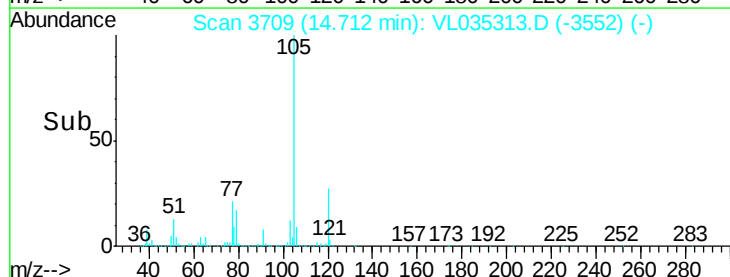


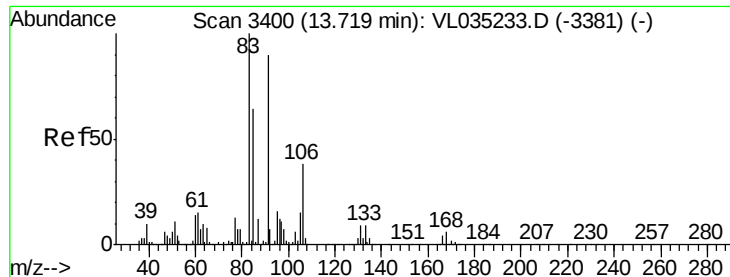
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



Time-->





#63

1,1,2,2-Tetrachloroethane

Concen: 9.624 ppbv

RT: 13.73 min Scan# 3402

Delta R.T. 0.01 min

Lab File: VL035313.D

Acq: 31 Jul 2020 21:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

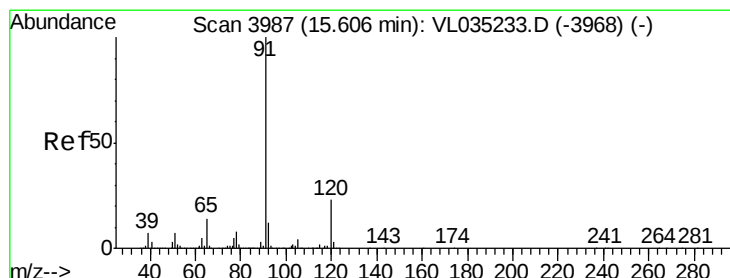
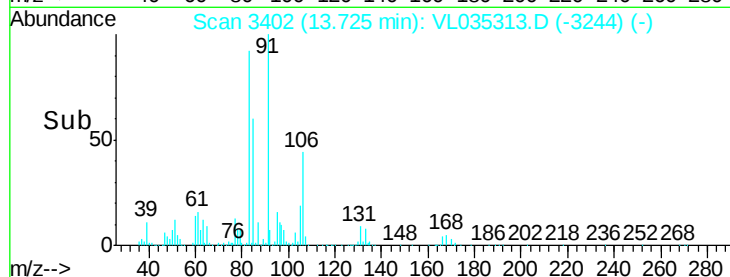
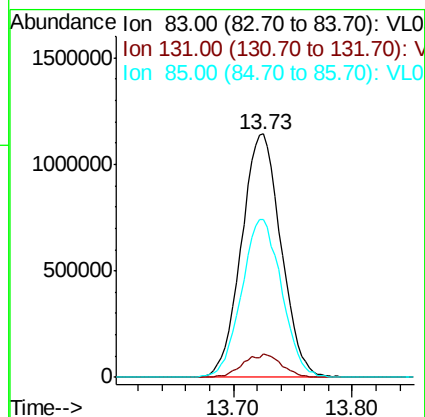
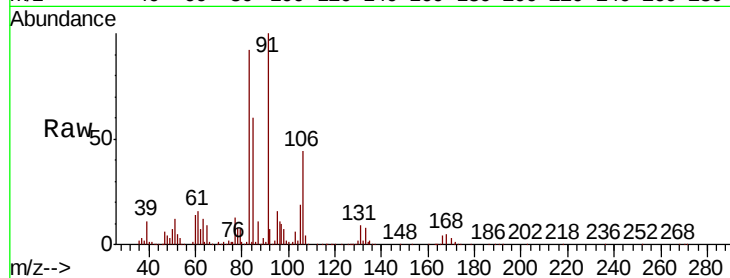
Tot Ion: 83 Resp: 2626248

Ion	Ratio	Lower	Upper
83	100		
131	9.4	4.6	13.8
85	65.9	32.7	98.1

83 100

131 9.4 4.6 13.8

85 65.9 32.7 98.1



#64

n-propylbenzene

Concen: 11.216 ppbv

RT: 15.61 min Scan# 3988

Delta R.T. 0.00 min

Lab File: VL035313.D

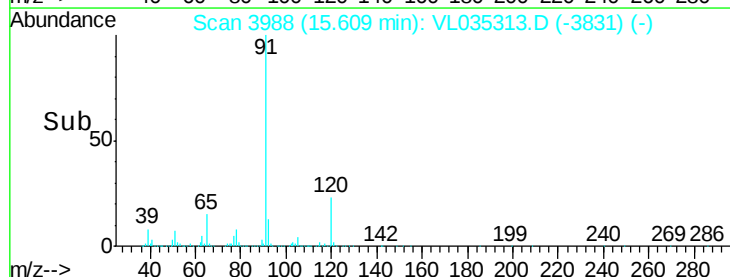
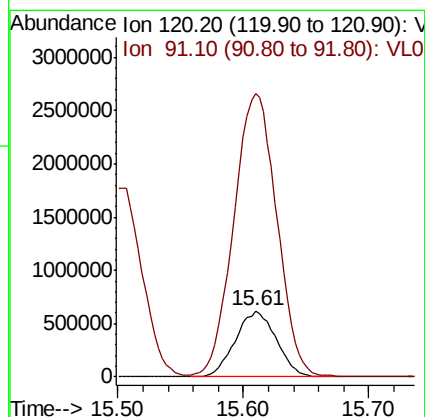
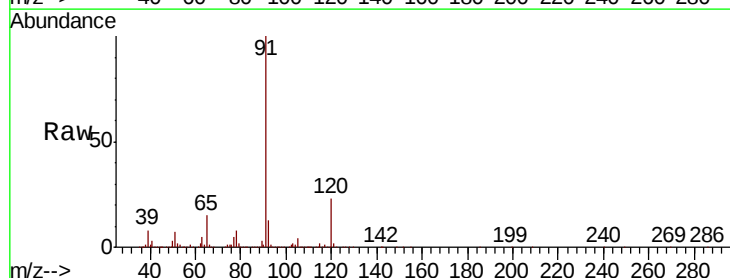
Acq: 31 Jul 2020 21:59

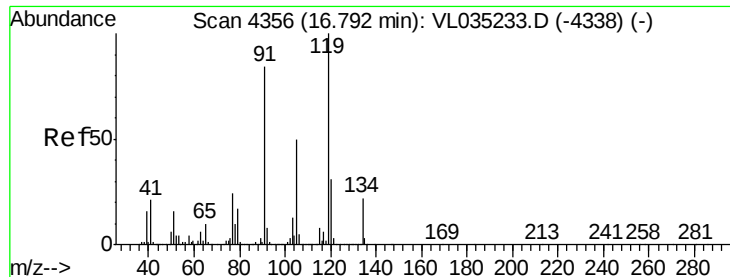
Tgt Ion: 120 Resp: 1407680

Ion	Ratio	Lower	Upper
120	100		
91	452.0	367.5	551.3

120 100

91 452.0 367.5 551.3





#65

tert-Butylbenzene

Concen: 11.069 ppbv

RT: 16.80 min Scan# 4357

Delta R.T. 0.00 min

Lab File: VL035313.D

Acq: 31 Jul 2020 21:59

Instrument :

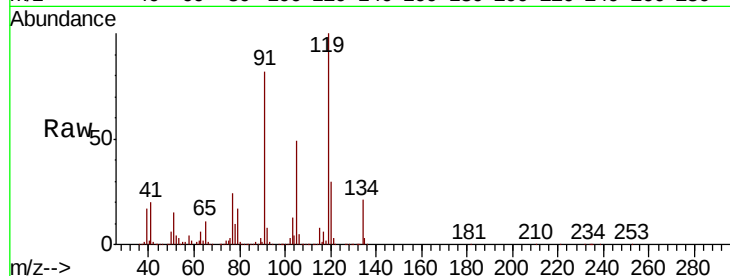
MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:119 Resp: 4732996

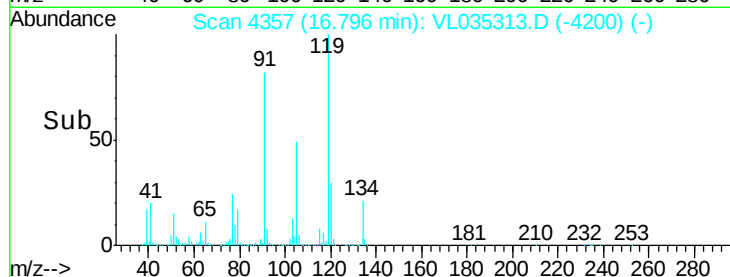
Ion	Ratio	Lower	Upper
119	100		
91	84.9	68.0	102.0
134	20.2	16.3	24.5



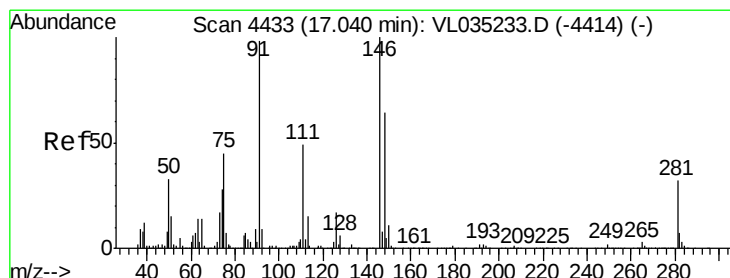
Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



Time-->



#66

Benzyl Chloride

Concen: 11.280 ppbv

RT: 17.04 min Scan# 4433

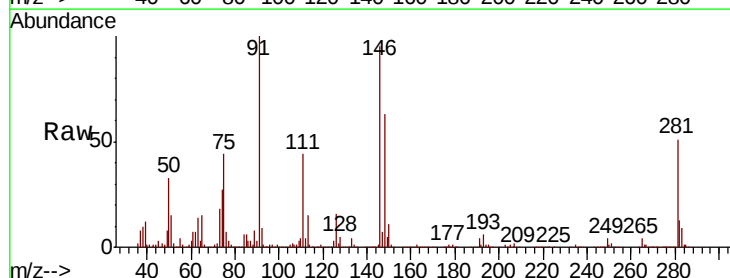
Delta R.T. 0.00 min

Lab File: VL035313.D

Acq: 31 Jul 2020 21:59

Tgt Ion: 91 Resp: 1889314

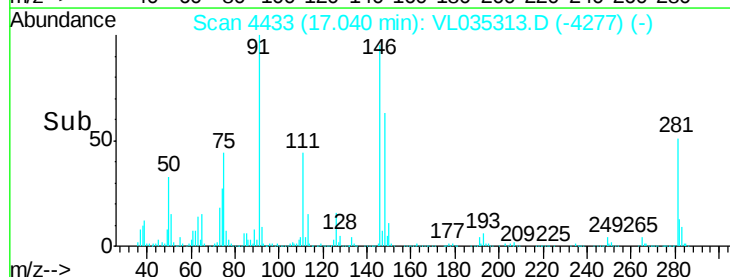
Ion	Ratio	Lower	Upper
91	100		
126	17.0	14.1	21.1
128	5.3	4.4	6.6



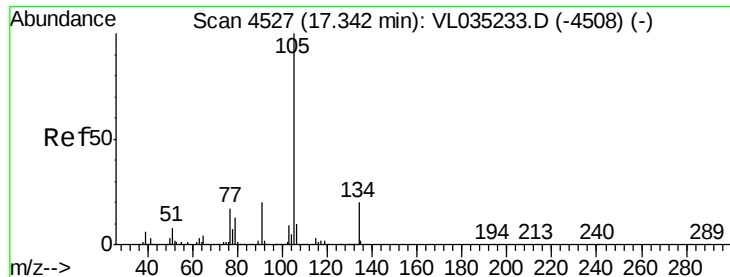
Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V



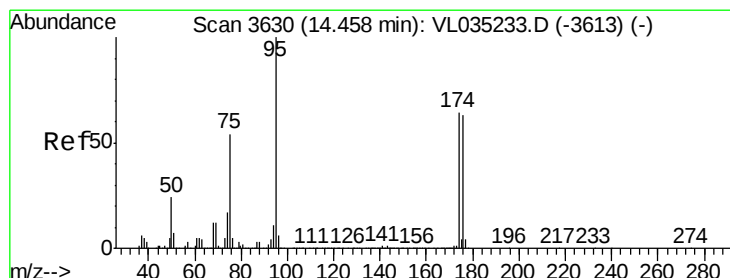
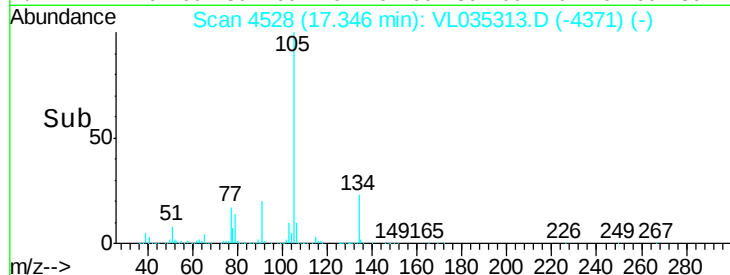
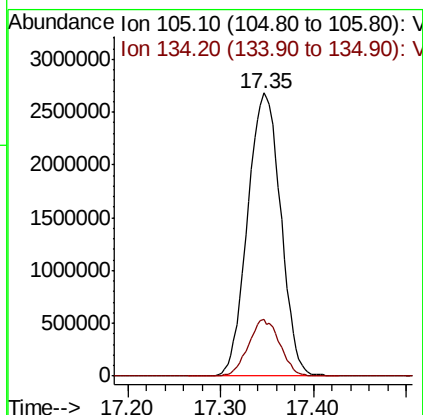
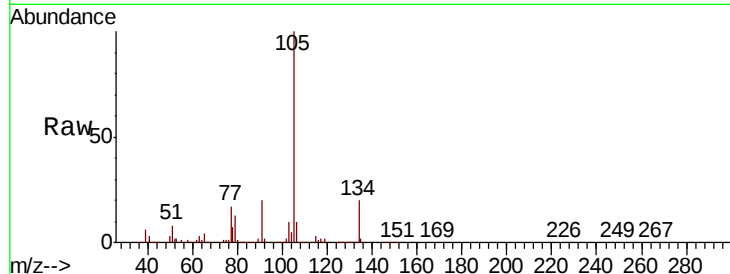
Time-->



#67
 sec-Butylbenzene
 Concen: 10.641 ppbv
 RT: 17.35 min Scan# 4528
 Delta R.T. 0.00 min
 Lab File: VL035313.D
 Acq: 31 Jul 2020 21:59

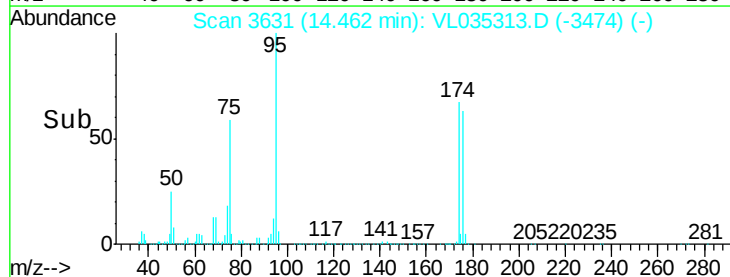
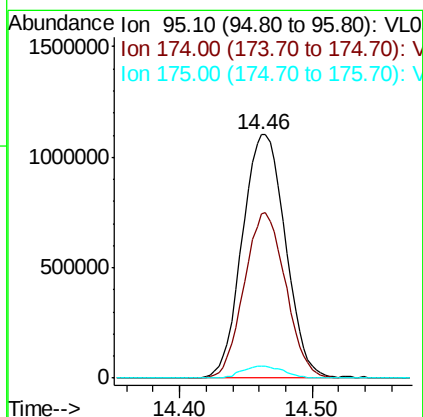
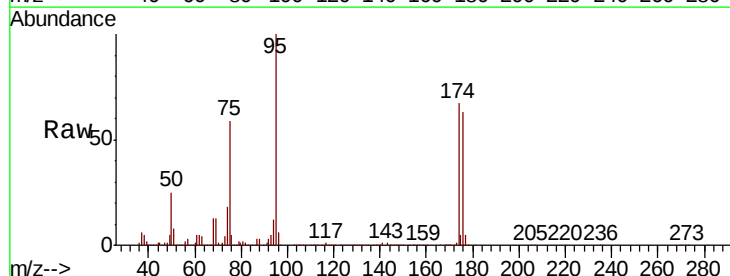
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

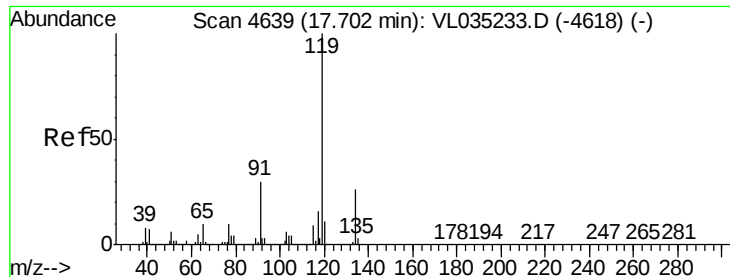
Tot Ion: 105 Resp: 6648535
 Ion Ratio Lower Upper
 105 100
 134 19.0 15.0 22.4



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.670 ppbv
 RT: 14.46 min Scan# 3631
 Delta R.T. 0.00 min
 Lab File: VL035313.D
 Acq: 31 Jul 2020 21:59

Tgt Ion: 95 Resp: 2490989
 Ion Ratio Lower Upper
 95 100
 174 65.6 52.7 79.1
 175 4.8 3.9 5.9

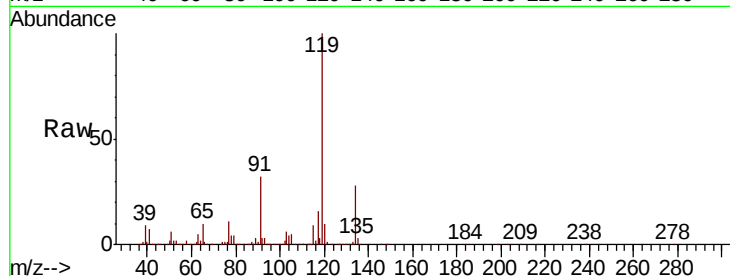




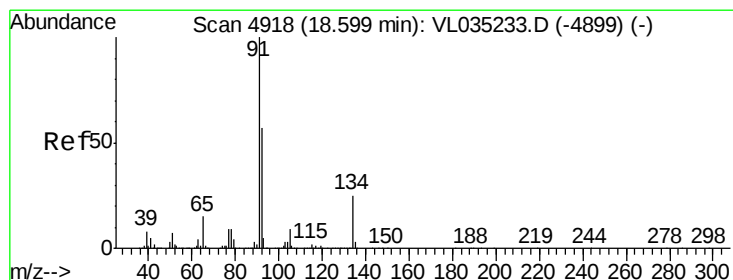
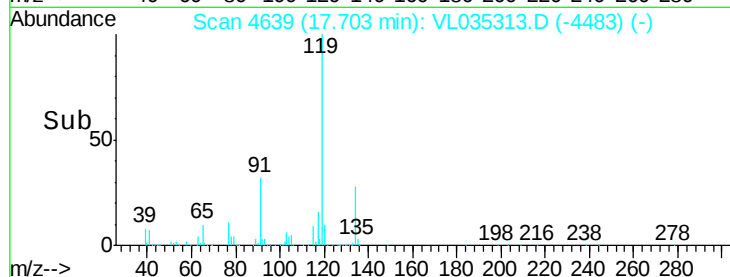
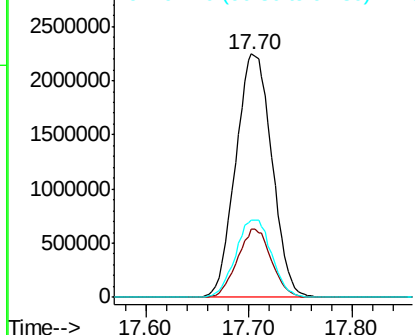
#69
 p-Isopropyltoluene
 Concen: 10.780 ppbv
 RT: 17.70 min Scan# 4639
 Delta R.T. 0.00 min
 Lab File: VL035313.D
 Acq: 31 Jul 2020 21:59

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:119 Resp: 5494197
 Ion Ratio Lower Upper
 119 100
 134 26.3 20.8 31.2
 91 31.8 24.7 37.1

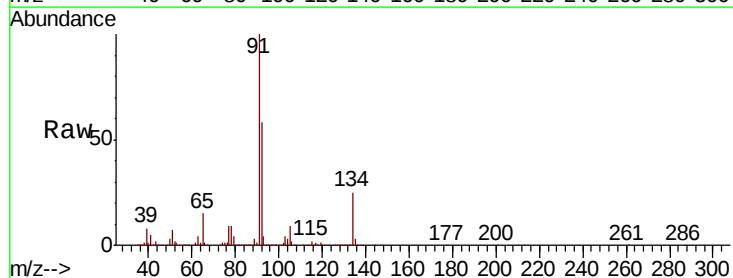


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

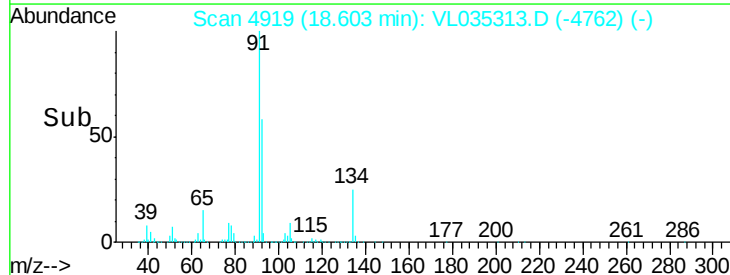
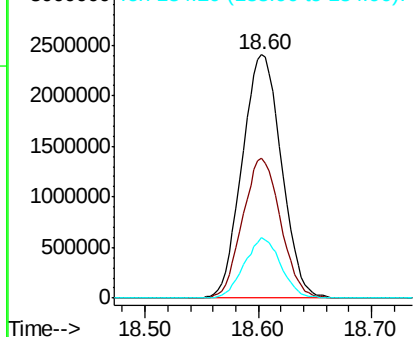


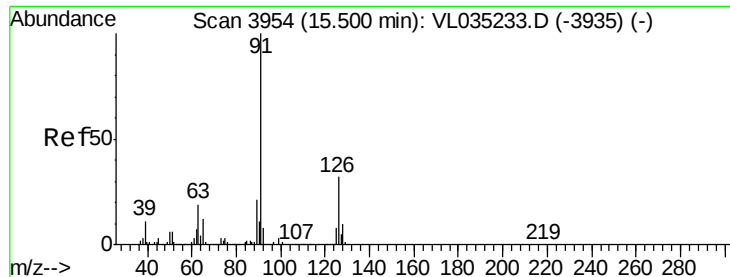
#70
 n-Butylbenzene
 Concen: 10.528 ppbv
 RT: 18.60 min Scan# 4919
 Delta R.T. 0.00 min
 Lab File: VL035313.D
 Acq: 31 Jul 2020 21:59

Tgt Ion: 91 Resp: 5805016
 Ion Ratio Lower Upper
 91 100
 92 55.7 44.9 67.3
 134 23.0 18.6 28.0



Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 92.10 (91.80 to 92.80): VL0
 Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 11.282 ppbv

RT: 15.50 min Scan# 3955

Delta R.T. 0.00 min

Lab File: VL035313.D

Acq: 31 Jul 2020 21:59

Instrument :

MSVOA_L

ClientSampleId :

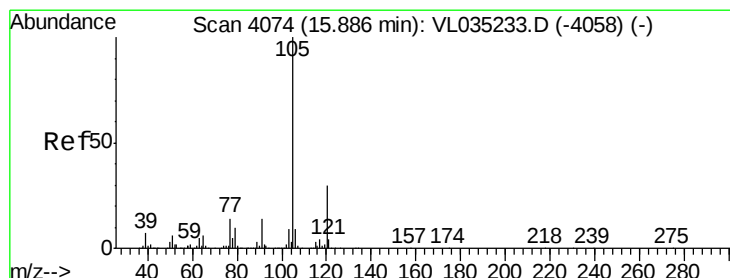
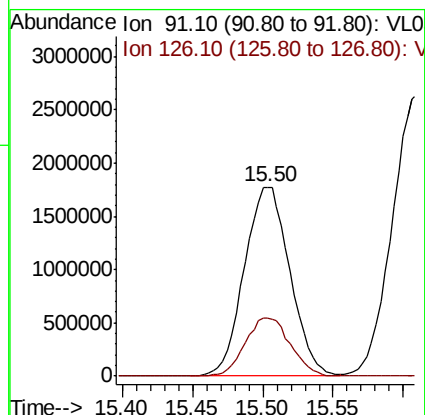
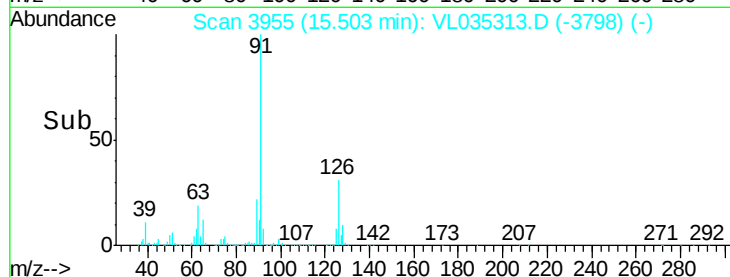
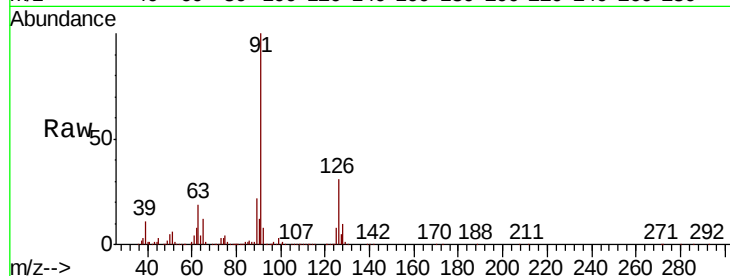
VSTDCCC010EC

Tot Ion: 91 Resp: 4015656

Ion Ratio Lower Upper

91 100

126 30.5 12.3 49.1



#72

4-Ethyltoluene

Concen: 11.551 ppbv

RT: 15.89 min Scan# 4075

Delta R.T. 0.00 min

Lab File: VL035313.D

Acq: 31 Jul 2020 21:59

Tgt Ion: 105 Resp: 4123084

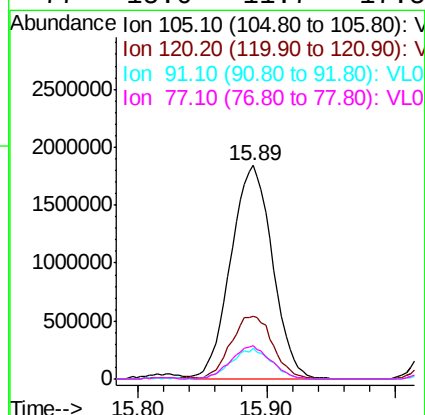
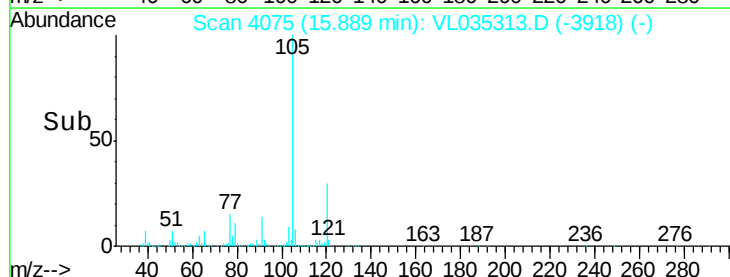
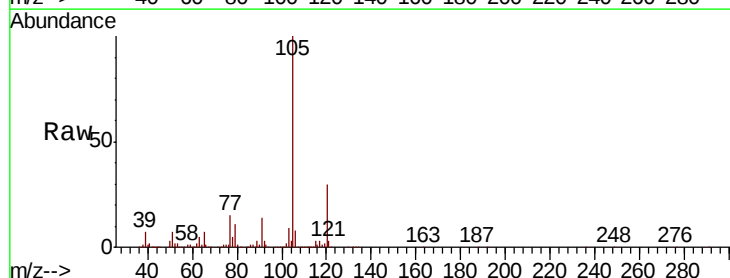
Ion Ratio Lower Upper

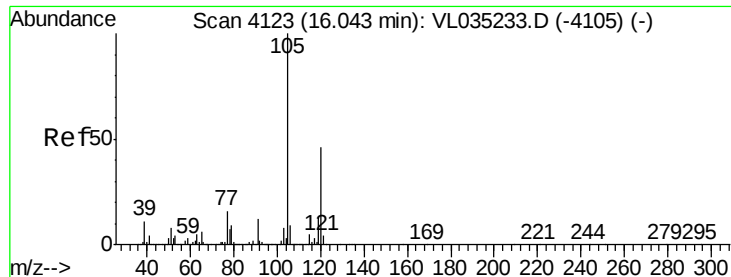
105 100

120 30.6 23.6 35.4

91 13.9 11.0 16.6

77 15.0 11.7 17.5

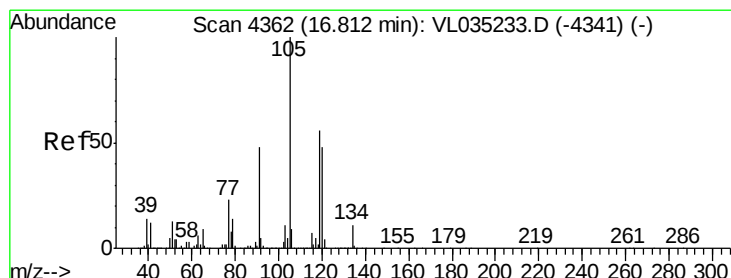
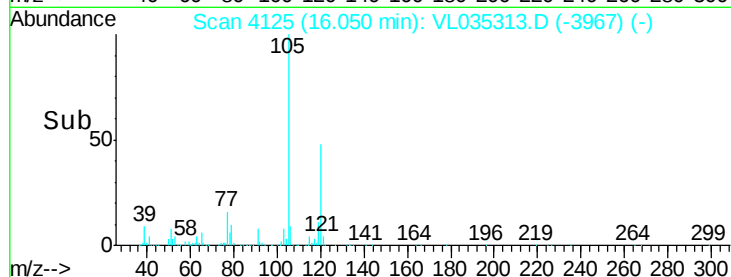
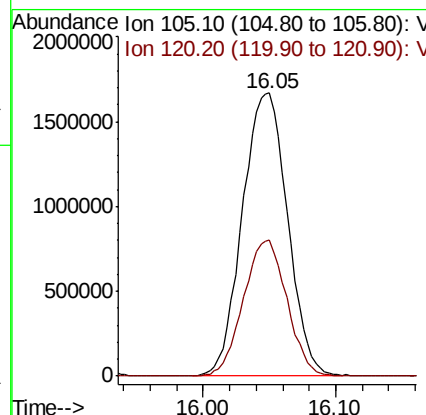
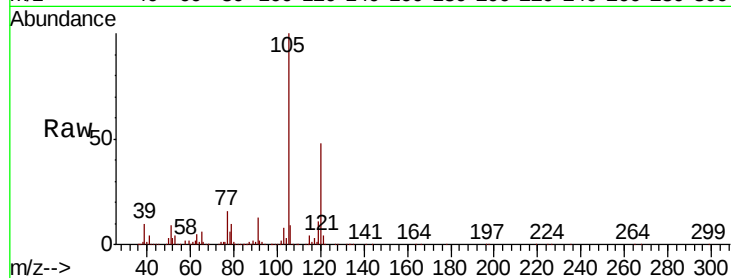




#73
 1,3,5-Trimethylbenzene
 Concen: 11.277 ppbv
 RT: 16.05 min Scan# 4125
 Delta R.T. 0.01 min
 Lab File: VL035313.D
 Acq: 31 Jul 2020 21:59

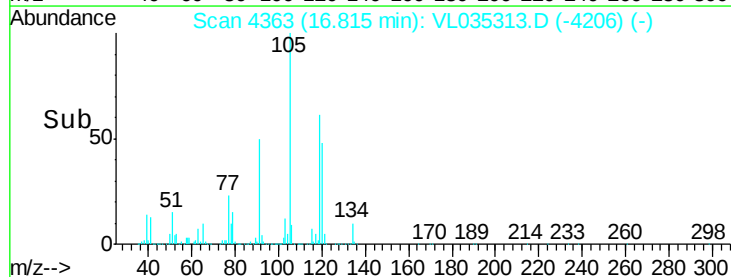
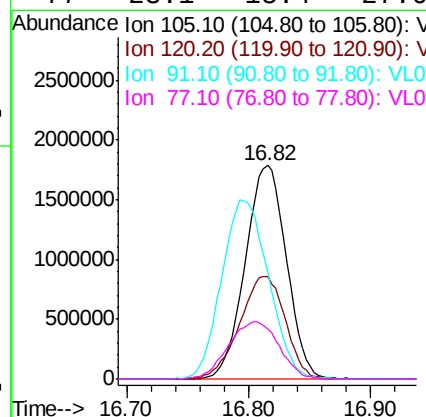
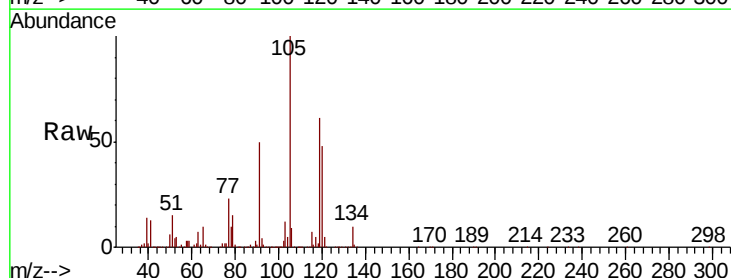
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

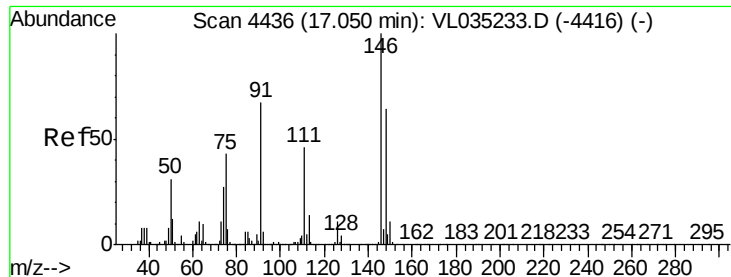
Tot Ion:105 Resp: 3925550
 Ion Ratio Lower Upper
 105 100
 120 48.2 36.8 55.2



#74
 1,2,4-Trimethylbenzene
 Concen: 10.271 ppbv
 RT: 16.82 min Scan# 4363
 Delta R.T. 0.00 min
 Lab File: VL035313.D
 Acq: 31 Jul 2020 21:59

Tgt Ion:105 Resp: 4162308
 Ion Ratio Lower Upper
 105 100
 120 48.1 38.8 58.2
 91 49.7 38.9 58.3
 77 23.1 18.4 27.6





#75

1,3-Dichlorobenzene

Concen: 9.400 ppbv

RT: 17.05 min Scan# 4437

Delta R.T. 0.00 min

Lab File: VL035313.D

Acq: 31 Jul 2020 21:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

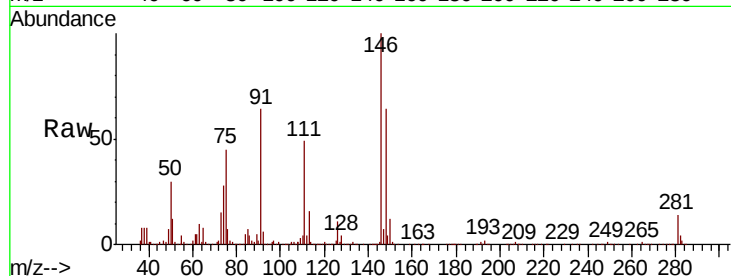
Tot Ion:146 Resp: 2459494

Ion Ratio Lower Upper

146 100

111 48.5 24.4 73.4

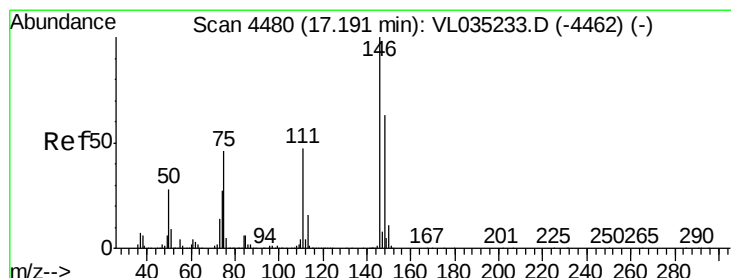
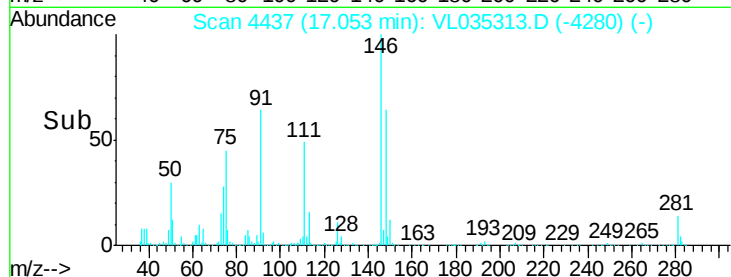
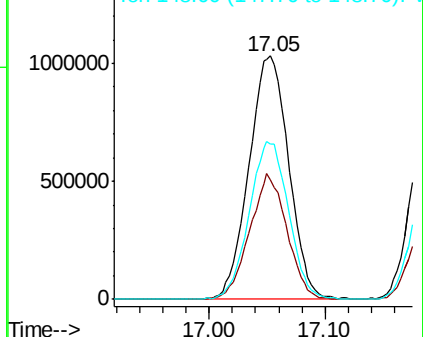
148 64.2 32.1 96.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 10.179 ppbv

RT: 17.19 min Scan# 4481

Delta R.T. 0.00 min

Lab File: VL035313.D

Acq: 31 Jul 2020 21:59

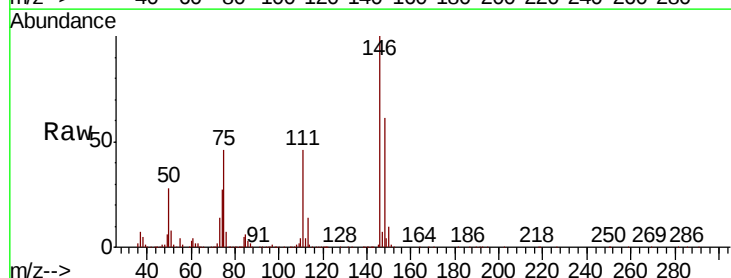
Tgt Ion:146 Resp: 2409162

Ion Ratio Lower Upper

146 100

111 46.4 23.4 70.2

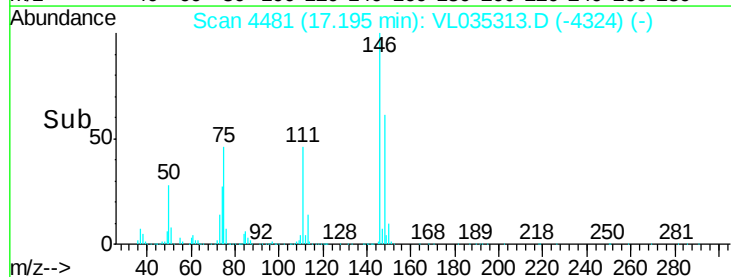
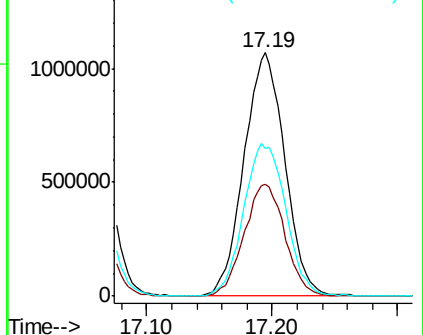
148 65.4 32.2 96.6

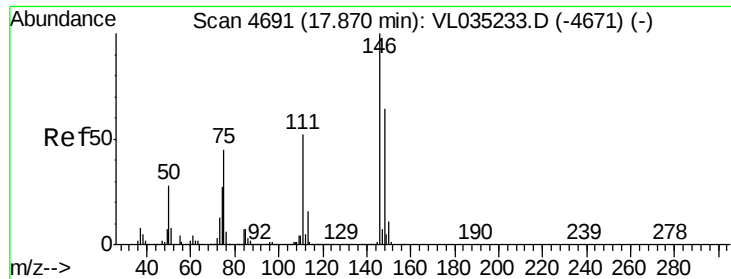


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

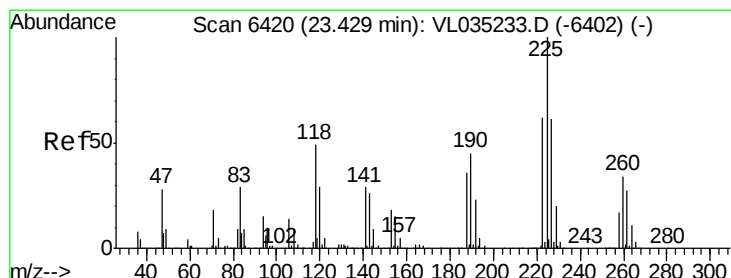
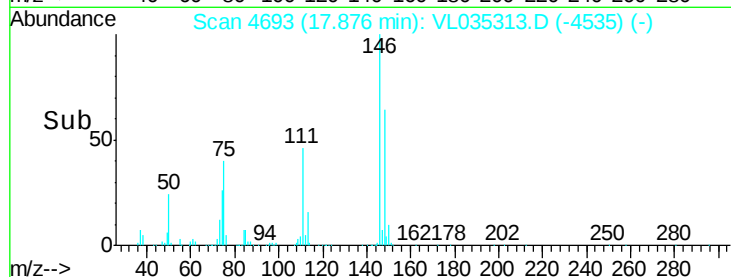
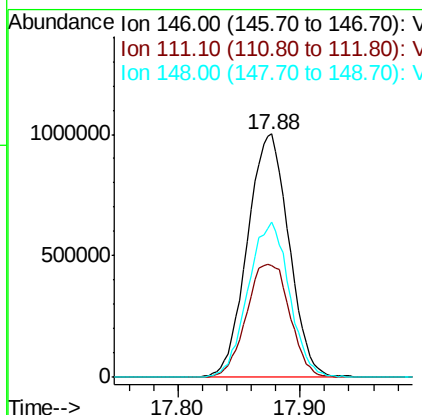
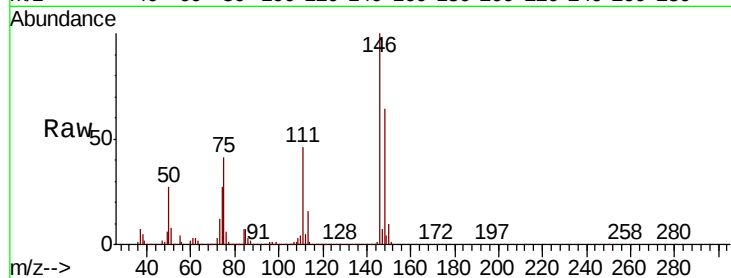




#77
 1,2-Dichlorobenzene
 Concen: 10.056 ppbv
 RT: 17.88 min Scan# 4693
 Delta R.T. 0.01 min
 Lab File: VL035313.D
 Acq: 31 Jul 2020 21:59

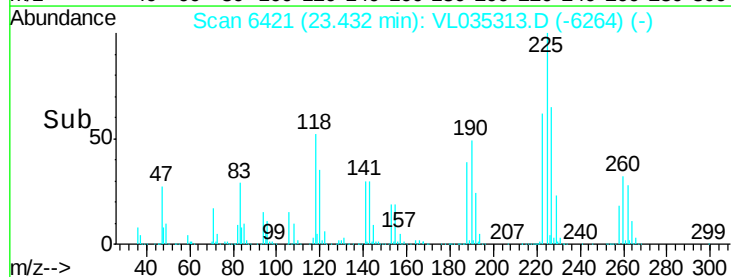
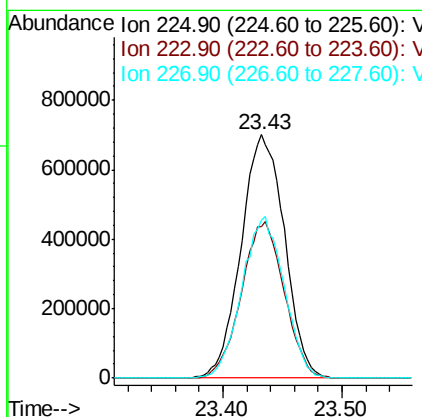
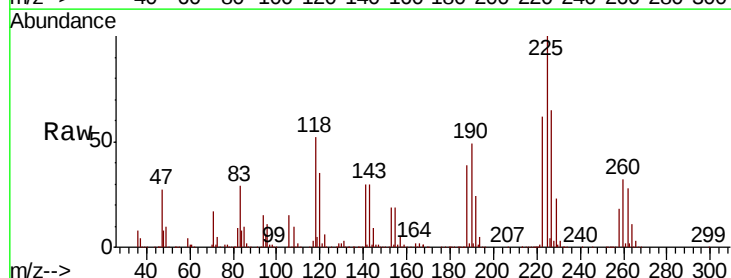
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

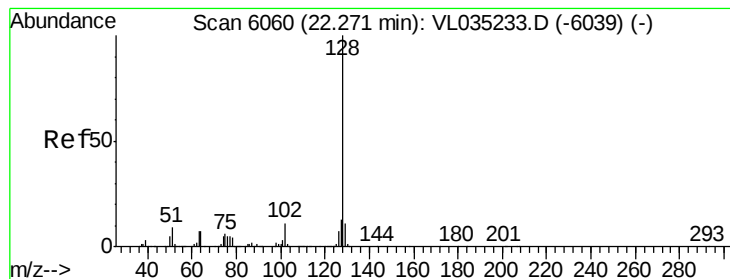
Tot Ion:146 Resp: 2356796
 Ion Ratio Lower Upper
 146 100
 111 48.8 24.6 73.8
 148 63.5 32.0 96.0



#78
 Hexachloro-1,3-Butadiene
 Concen: 9.205 ppbv
 RT: 23.43 min Scan# 6421
 Delta R.T. 0.00 min
 Lab File: VL035313.D
 Acq: 31 Jul 2020 21:59

Tgt Ion:225 Resp: 1765753
 Ion Ratio Lower Upper
 225 100
 223 63.4 51.3 76.9
 227 64.6 51.4 77.2





#79

Naphthalene

Concen: 10.933 ppbv

RT: 22.27 min Scan# 6060

Delta R.T. 0.00 min

Lab File: VL035313.D

Acq: 31 Jul 2020 21:59

Instrument :

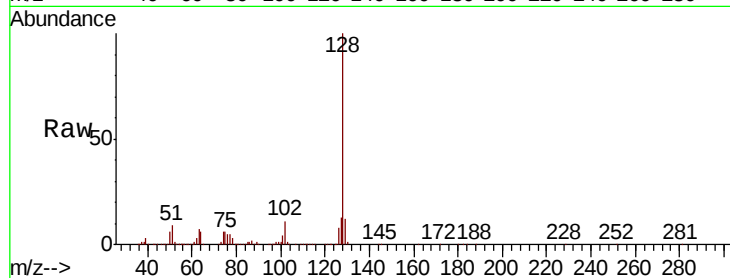
MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:128 Resp: 3522951

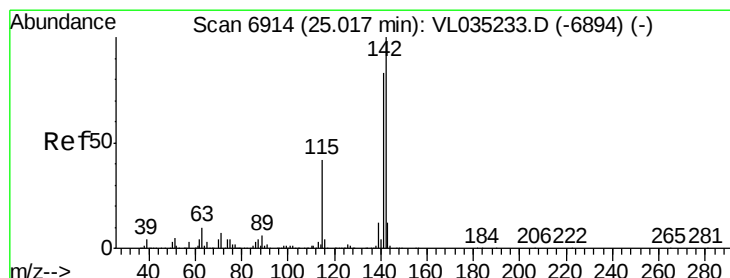
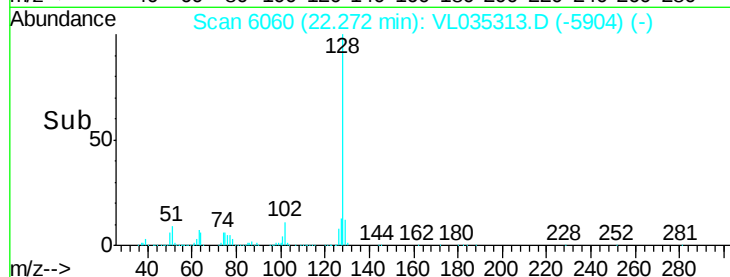
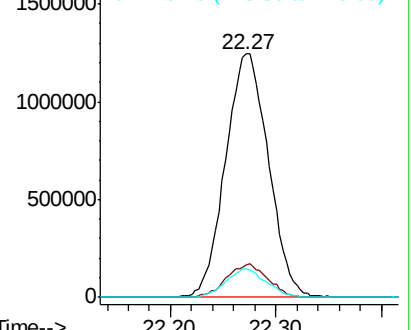
Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.4	15.6
129	11.6	8.5	12.7



Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 11.714 ppbv

RT: 25.03 min Scan# 6917

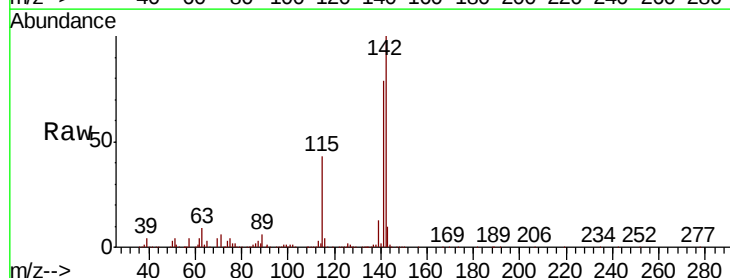
Delta R.T. 0.01 min

Lab File: VL035313.D

Acq: 31 Jul 2020 21:59

Tgt Ion:142 Resp: 1221664

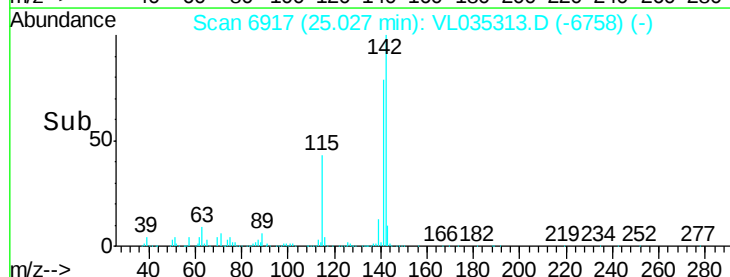
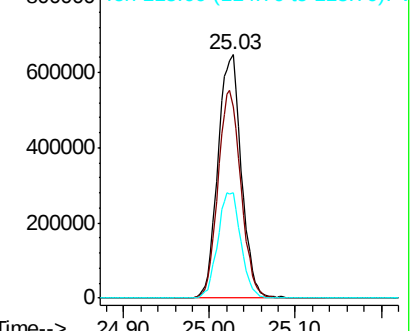
Ion	Ratio	Lower	Upper
142	100		
141	83.3	68.6	103.0
115	43.0	34.5	51.7

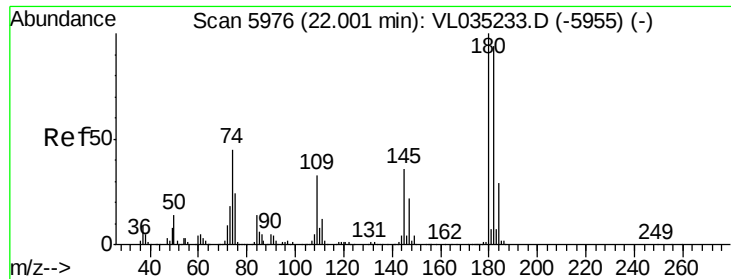


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 10.305 ppbv
 RT: 22.00 min Scan# 5976
 Delta R.T. 0.00 min
 Lab File: VL035313.D
 Acq: 31 Jul 2020 21:59

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:180 Resp: 2021404
 Ion Ratio Lower Upper
 180 100
 182 94.2 76.7 115.1
 184 30.6 24.7 37.1

