

Data File : VL035097.D
Acq On : 19 Jun 2020 16:34
Operator : SY/AP
Sample : VSTDIC002
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Quant Time: Jun 20 01:18:31 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL061920AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Sat Jun 20 01:15:38 2020
QLast Update : Sat Jun 20 01:15:38 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1387078	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3214989	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	3153304	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	2549183	10.03	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.30%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.00	85	368795	1.849	ppbv	95
3) Chlorodifluoromethane	2.94	51	331952	2.091	ppbv	97
4) Chloromethane	3.09	50	180565	1.987	ppbv	92
5) Vinyl Chloride	3.21	62	174967	1.977	ppbv	95
6) Bromomethane	3.43	94	105363	1.988	ppbv	87
7) Chloroethane	3.51	64	62574	1.970	ppbv	98
8) Dichlorotetrafluoroethane	3.14	85	430457	2.104	ppbv	98
9) Propene	2.96	41	133438	1.961	ppbv	98
10) Heptane	8.12	43	338429	1.984	ppbv	97
11) Trichlorofluoromethane	3.91	101	415644	2.048	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.46	101	277179	1.922	ppbv	97
13) Ethanol	3.56	45	29877	1.358	ppbv #	50
14) Bromoethene	3.70	108	126637	2.121	ppbv	97
15) Acetone	3.82	43	357026	1.950	ppbv	97
16) 1,3-Butadiene	3.28	39	156227	1.980	ppbv	98
17) tert-Butyl alcohol	4.26	59	293776	1.809	ppbv	98
18) 1,1-Dichloroethene	4.25	96	129936	2.075	ppbv	97
19) Isopropyl Alcohol	3.93	45	212721	1.764	ppbv #	96
20) Methylene Chloride	4.31	84	150258	2.481	ppbv	96
21) Allyl Chloride	4.38	41	204947	1.988	ppbv	99
22) trans-1,2-Dichloroethene	4.86	96	118824	1.936	ppbv	98
23) Vinyl Acetate	5.05	43	454242	1.978	ppbv #	98
24) 1,1-Dichloroethane	4.98	63	359132	2.007	ppbv	100
25) Ethyl Acetate	5.65	43	646569	2.104	ppbv	99
26) Hexane	5.67	57	306811	2.301	ppbv	94
27) Carbon Disulfide	4.52	76	286506	1.842	ppbv	97
28) Methyl tert-Butyl Ether	5.01	73	415041	2.050	ppbv	99
29) Chloroform	5.73	83	440456	2.013	ppbv	94
30) Cyclohexane	7.13	84	210132	2.032	ppbv	97
31) cis-1,2-Dichloroethene	5.53	61	263445	2.017	ppbv	96
32) 1,1,1-Trichloroethane	6.50	97	410462	2.075	ppbv	99
34) 2-Butanone	5.22	43	407347	2.053	ppbv	99
35) Carbon Tetrachloride	7.01	117	409112	2.019	ppbv	96
36) Benzene	6.88	78	542726	2.051	ppbv	96
37) 1,2-Dichloroethane	6.29	62	331470	2.025	ppbv	99
38) Trichloroethene	7.83	130	101882	0.989	ppbv	95
39) 1,2-Dichloropropane	7.61	63	203928	1.924	ppbv	97
41) Tetrahydrofuran	6.03	42	90024	0.865	ppbv #	35
42) Bromodichloromethane	7.79	83	444280	2.014	ppbv	98
43) Methyl Methacrylate	8.01	69	225516	2.020	ppbv	95
44) 2,2,4-Trimethylpentane	7.86	57	955691	2.033	ppbv	100

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Quant Time: Jun 20 01:18:31 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL061920AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Sat Jun 20 01:15:38 2020
QLast Update : Sat Jun 20 01:15:38 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) t-1,3-Dichloropropene	9.29	75	214892	1.917	ppbv	96
46) cis-1,3-Dichloropropene	8.71	75	270322	1.961	ppbv	93
47) 1,1,2-Trichloroethane	9.48	97	224792	2.002	ppbv	95
48) Dibromochloromethane	10.32	129	343259	1.992	ppbv	99
49) Bromoform	13.07	173	291913	1.976	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	572923	2.025	ppbv	99
51) 2-Hexanone	10.14	43	462471	2.095	ppbv #	97
52) Tetrachloroethene	11.24	164	100165	1.061	ppbv	94
53) Toluene	9.81	91	592290	2.110	ppbv	99
54) 1,2-Dibromoethane	10.63	107	334137	2.030	ppbv	95
56) 1,1,1,2-Tetrachloroethane	12.15	131	98194	0.698	ppbv #	1
57) Chlorobenzene	12.17	112	493143	1.992	ppbv	96
58) Ethyl Benzene	12.73	91	806240	2.100	ppbv	94
59) m/p-Xylene	13.01	91	643230	1.900	ppbv #	23
60) o-Xylene	13.71	91	682976	2.043	ppbv	99
61) Styrene	13.55	104	439875	2.086	ppbv	100
62) Isopropylbenzene	14.69	105	1039560	2.087	ppbv	97
63) 1,1,2,2-Tetrachloroethane	13.70	83	524616	1.985	ppbv	98
64) n-propylbenzene	15.59	120	261682	2.044	ppbv	84
65) tert-Butylbenzene	16.78	119	919865	2.123	ppbv	98
66) Benzyl Chloride	17.02	91	249081	1.734	ppbv	98
67) sec-Butylbenzene	17.33	105	1312621	2.126	ppbv	98
69) p-Isopropyltoluene	17.68	119	581284	1.164	ppbv #	55
70) n-Butylbenzene	18.58	91	1154413	2.176	ppbv	97
71) 2-Chlorotoluene	15.48	91	798426	2.121	ppbv	97
72) 4-Ethyltoluene	15.87	105	776122	2.079	ppbv	99
73) 1,3,5-Trimethylbenzene	16.02	105	750065	2.072	ppbv	97
74) 1,2,4-Trimethylbenzene	16.79	105	842533	2.132	ppbv	94
75) 1,3-Dichlorobenzene	17.02	146	470185	2.018	ppbv	98
76) 1,4-Dichlorobenzene	17.17	146	466538	2.110	ppbv	99
77) 1,2-Dichlorobenzene	17.85	146	453286	2.077	ppbv	99
78) Hexachloro-1,3-Butadiene	23.42	225	422395	2.260	ppbv	98
79) Naphthalene	22.25	128	751026	2.463	ppbv	98
80) Naphthalene,2-methyl-	25.01	142	275190	3.583	ppbv	99
81) 1,2,4-Trichlorobenzene	21.98	180	412911	2.222	ppbv	99

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

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Instrument :
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ClientSampleId :
VSTDICC002

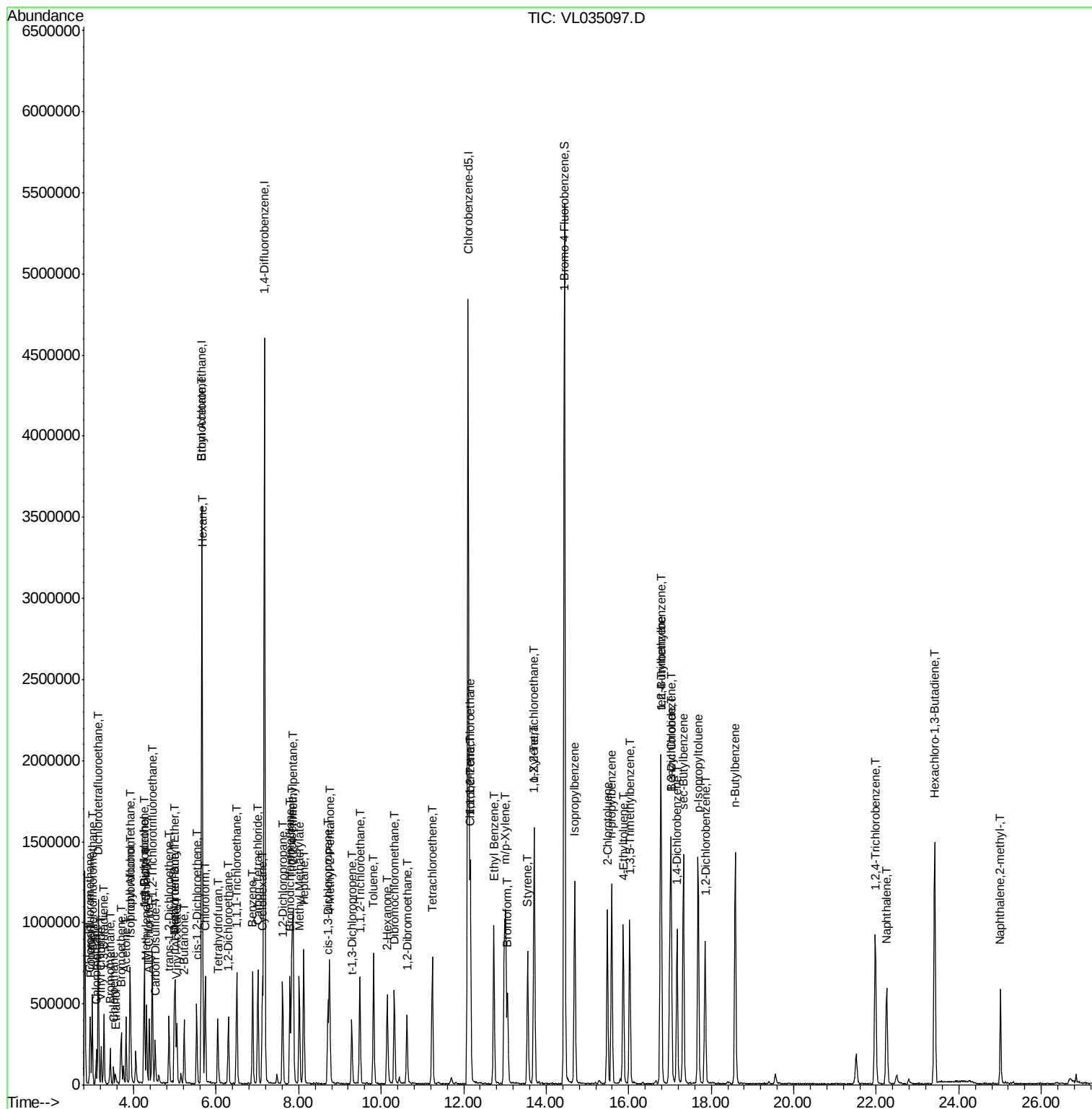
Quant Time: Jun 20 01:18:31 2020

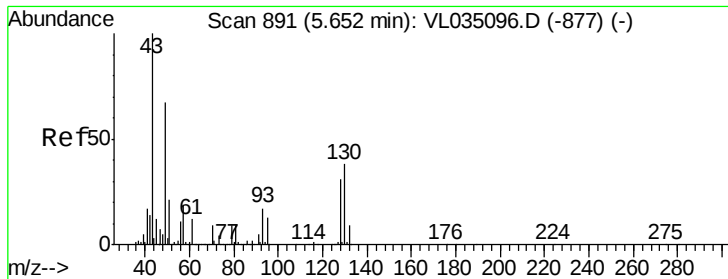
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_L\METHODS\VL061920AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LSat Jun 20 01:15:38 2020

QLast Update : Sat Jun 20 01:15:38 2020

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 890

Delta R.T. -0.00 min

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MSVOA_L

ClientSampleId :

VSTDIC002

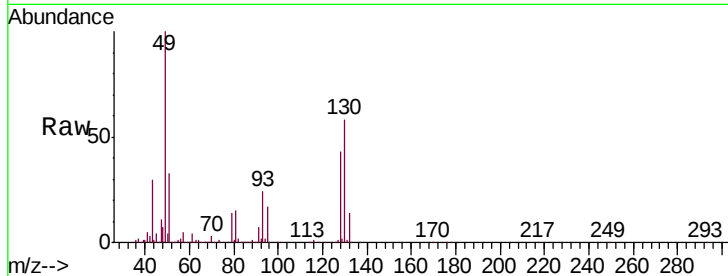
Tgt Ion: 49 Resp: 1387078

Ion Ratio Lower Upper

49 100

128 46.4 22.9 68.5

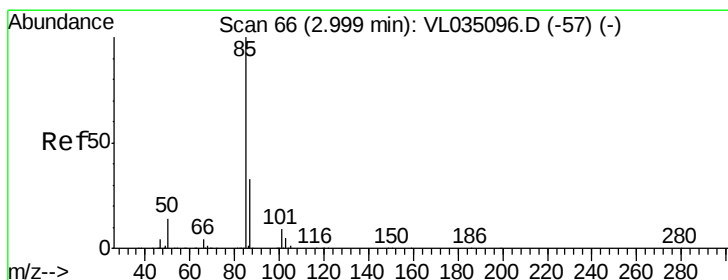
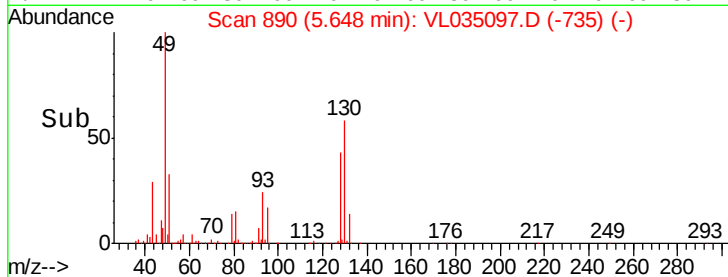
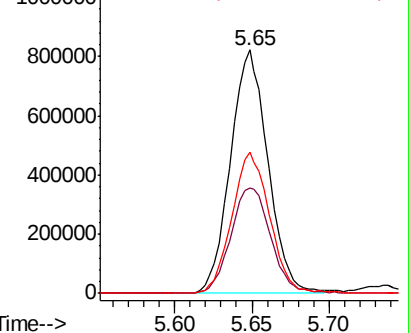
130 59.1 29.0 87.0



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 1.849 ppbv

RT: 3.00 min Scan# 66

Delta R.T. 0.00 min

Lab File: VL035097.D

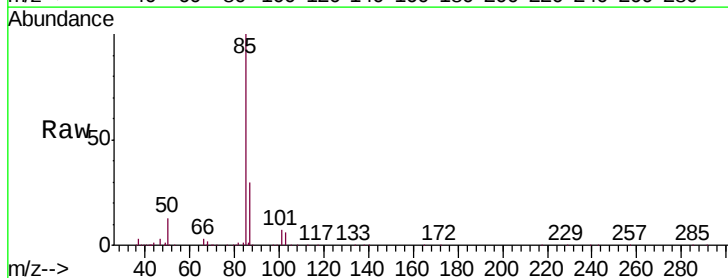
Acq: 19 Jun 2020 16:34

Tgt Ion: 85 Resp: 368795

Ion Ratio Lower Upper

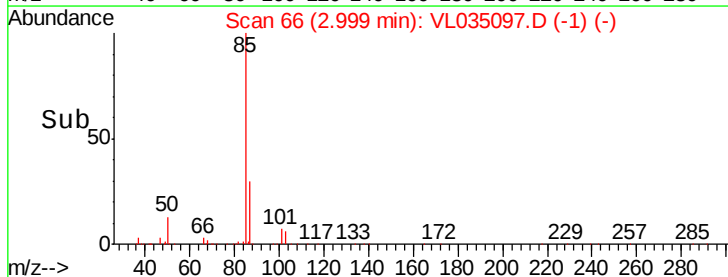
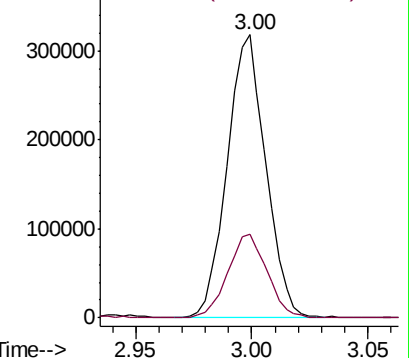
85 100

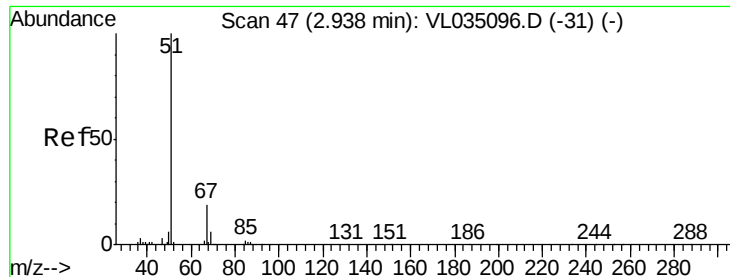
87 29.8 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 2.091 ppbv

RT: 2.94 min Scan# 47

Delta R.T. 0.00 min

Lab File: VL035097.D

Acq: 19 Jun 2020 16:34

Instrument :

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ClientSampleId :

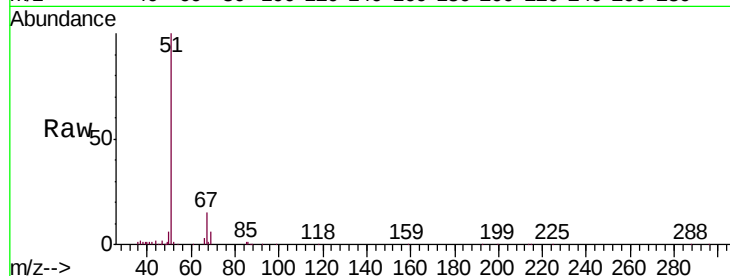
VSTDIC002

Tgt Ion: 51 Resp: 331952

Ion Ratio Lower Upper

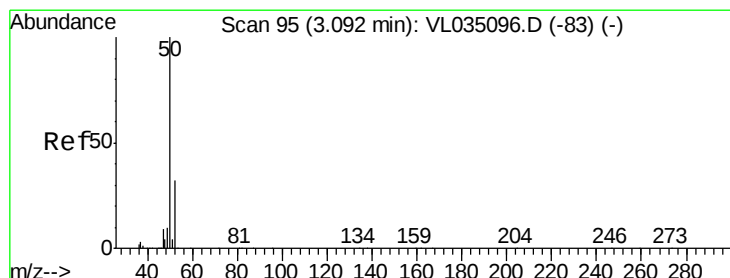
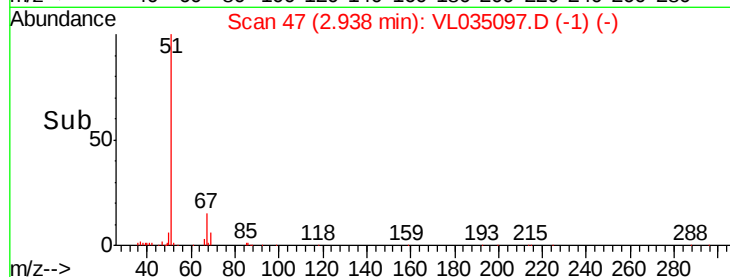
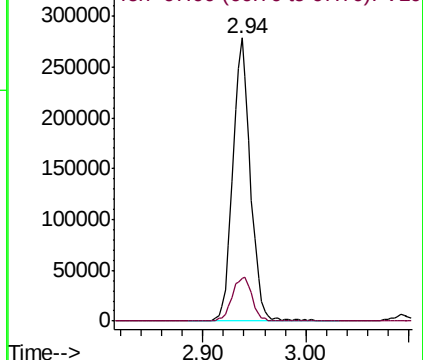
51 100

67 17.7 15.2 22.8



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 1.987 ppbv

RT: 3.09 min Scan# 94

Delta R.T. -0.00 min

Lab File: VL035097.D

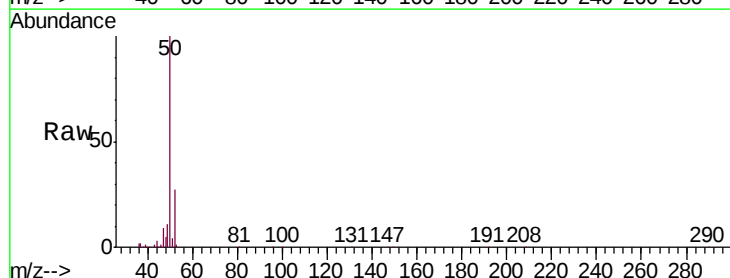
Acq: 19 Jun 2020 16:34

Tgt Ion: 50 Resp: 180565

Ion Ratio Lower Upper

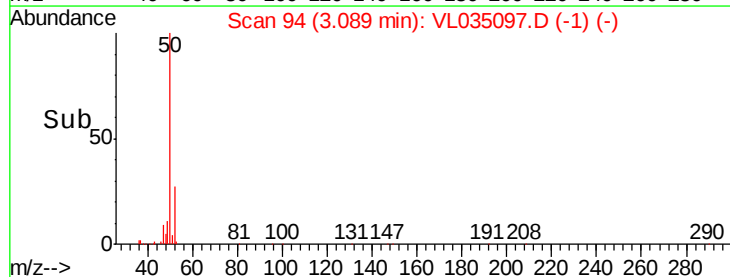
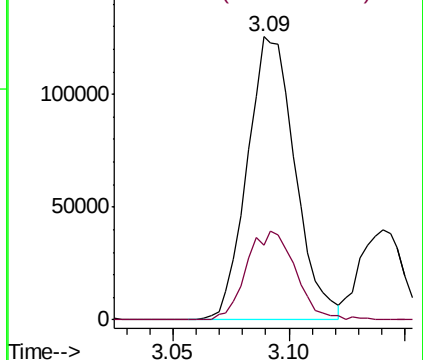
50 100

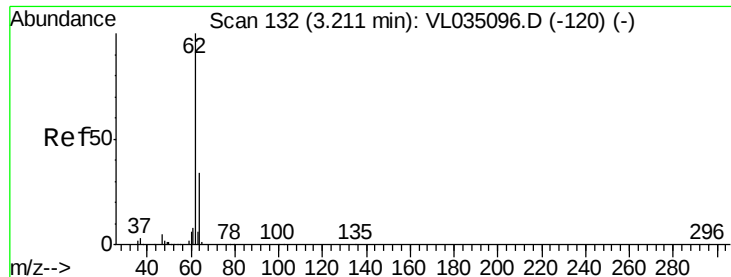
52 27.1 25.4 38.0



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 1.977 ppbv

RT: 3.21 min Scan# 131

Delta R.T. -0.00 min

Lab File: VL035097.D

Acq: 19 Jun 2020 16:34

Instrument :

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ClientSampleId :

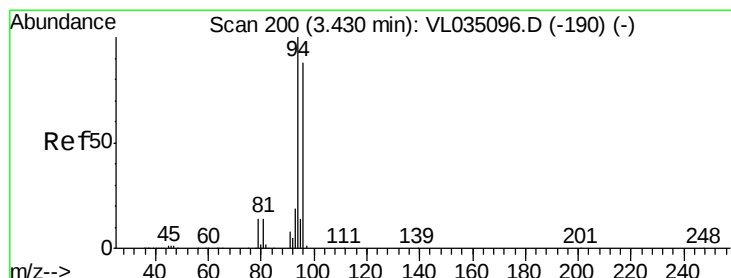
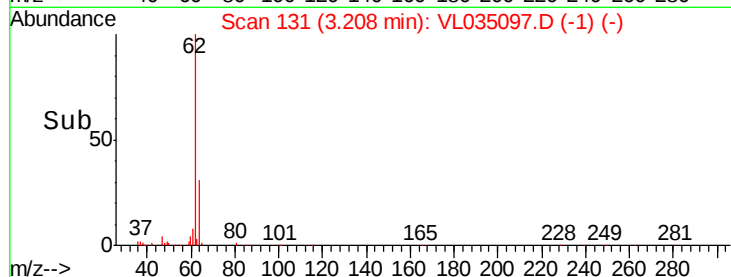
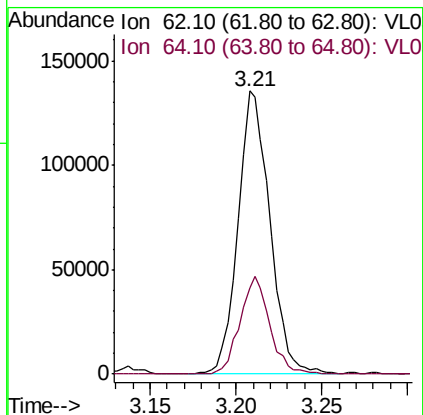
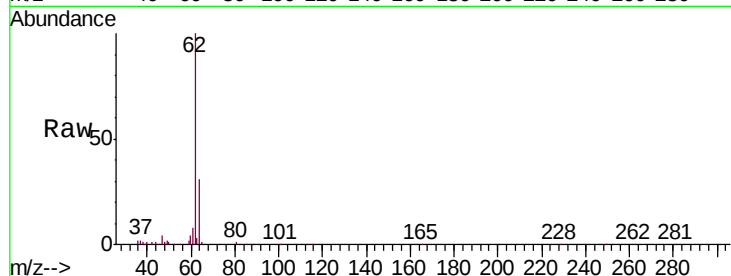
VSTDIC002

Tgt Ion: 62 Resp: 174967

Ion Ratio Lower Upper

62 100

64 30.6 27.0 40.4



#6

Bromomethane

Concen: 1.988 ppbv

RT: 3.43 min Scan# 200

Delta R.T. 0.00 min

Lab File: VL035097.D

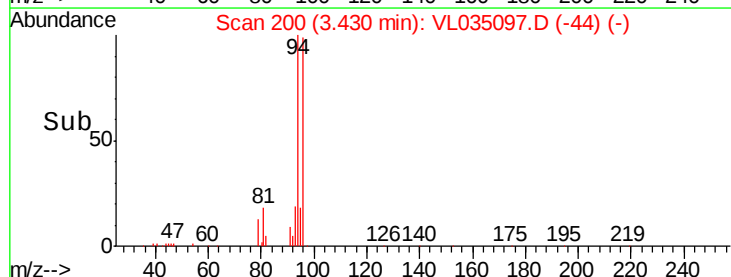
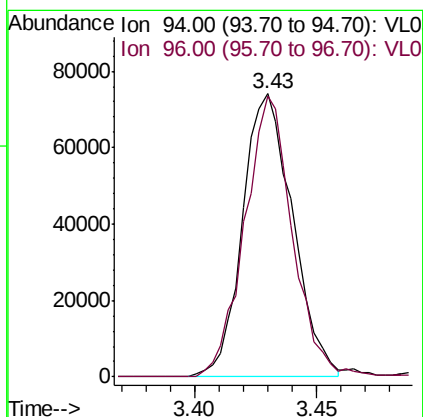
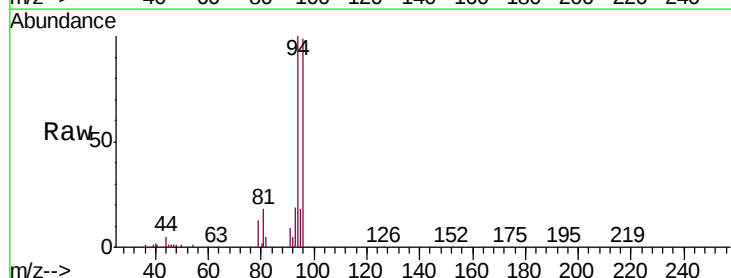
Acq: 19 Jun 2020 16:34

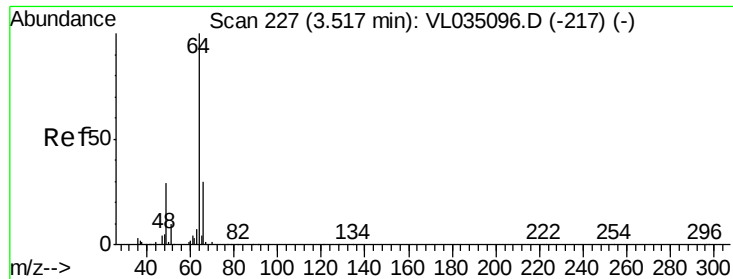
Tgt Ion: 94 Resp: 105363

Ion Ratio Lower Upper

94 100

96 99.6 70.2 105.2





#7

Chloroethane

Concen: 1.970 ppbv

RT: 3.51 min Scan# 226

Delta R.T. -0.00 min

Lab File: VL035097.D

Acq: 19 Jun 2020 16:34

Instrument :

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ClientSampleId :

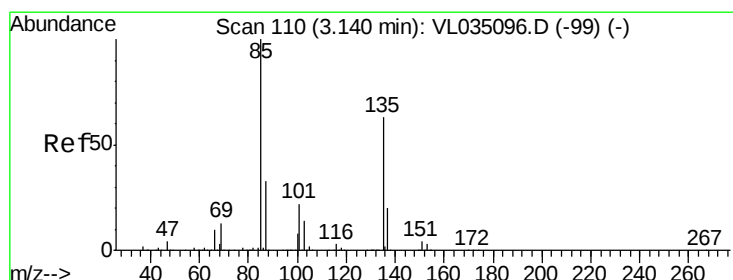
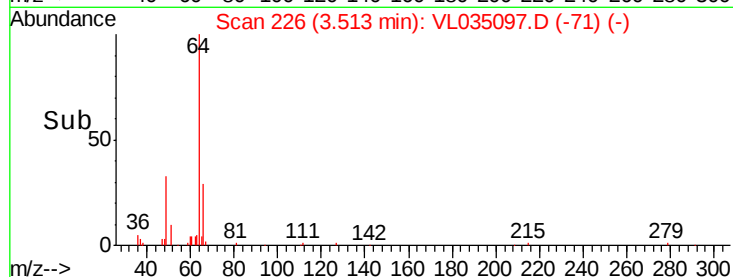
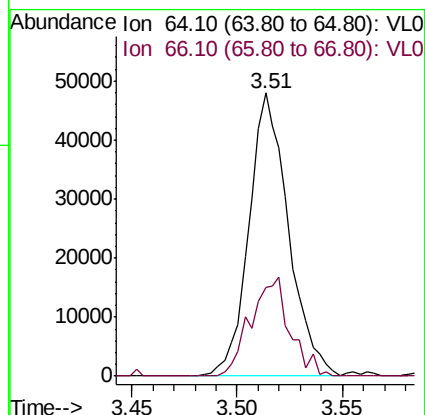
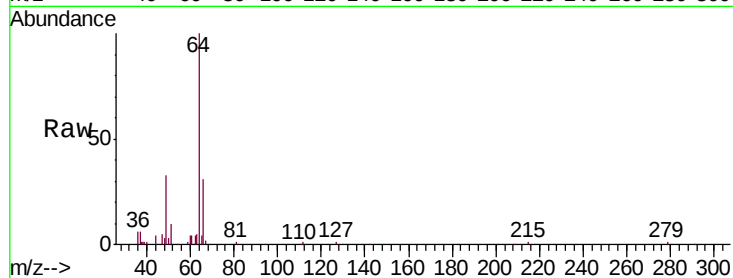
VSTDIC002

Tgt Ion: 64 Resp: 62574

Ion Ratio Lower Upper

64 100

66 31.3 24.2 36.4



#8

Dichlorotetrafluoroethane

Concen: 2.104 ppbv

RT: 3.14 min Scan# 110

Delta R.T. 0.00 min

Lab File: VL035097.D

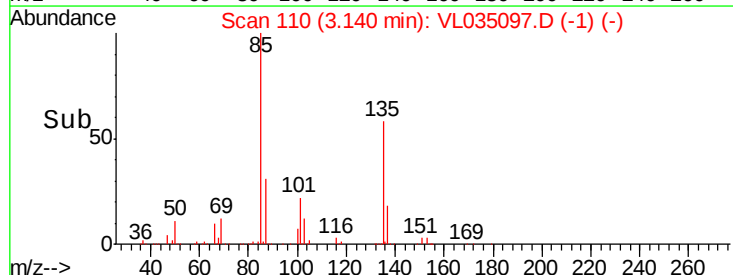
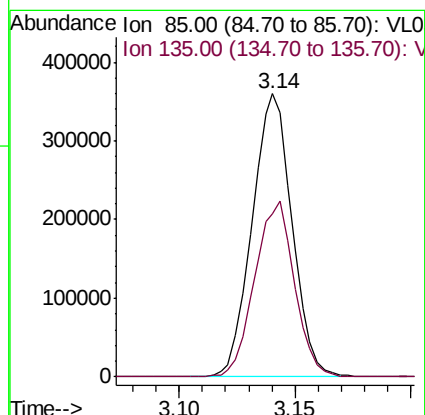
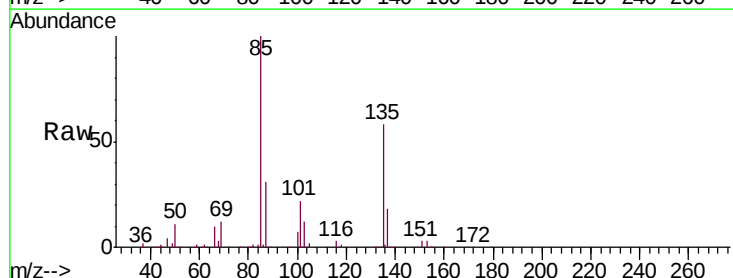
Acq: 19 Jun 2020 16:34

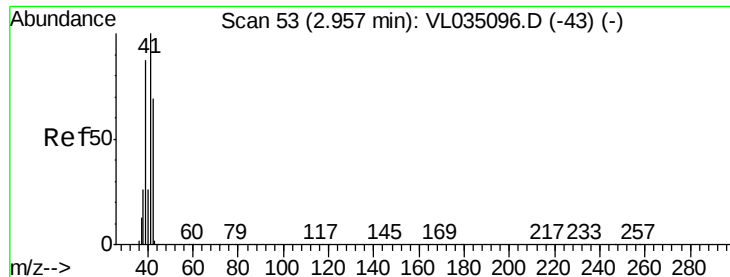
Tgt Ion: 85 Resp: 430457

Ion Ratio Lower Upper

85 100

135 62.0 51.0 76.6





#9

Propene

Concen: 1.961 ppbv

RT: 2.96 min Scan# 54

Delta R.T. 0.00 min

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ClientSampleId :

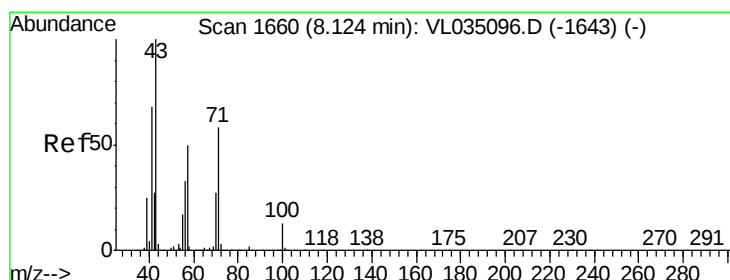
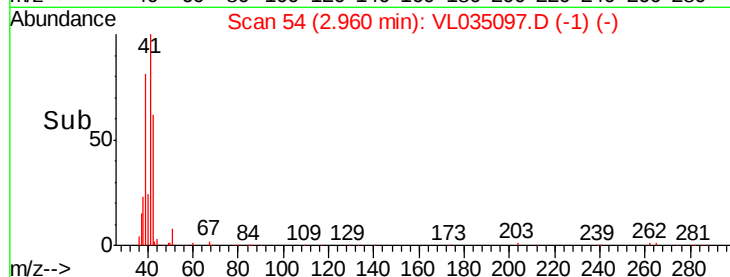
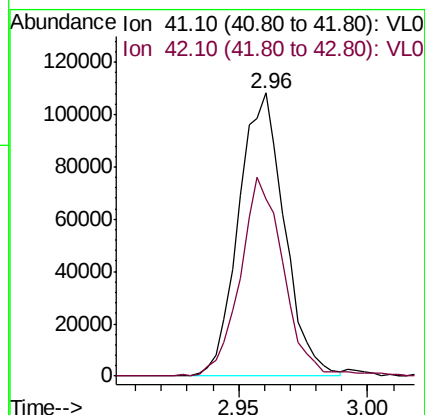
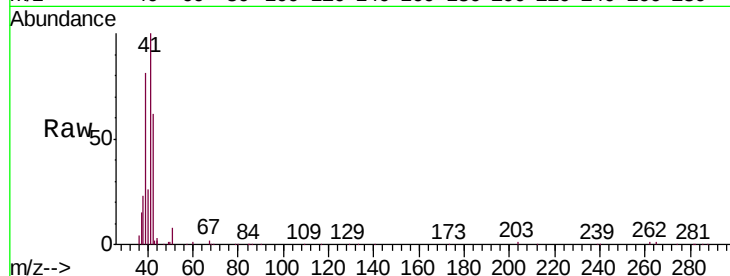
VSTDIC002

Tgt Ion: 41 Resp: 133438

Ion Ratio Lower Upper

41 100

42 67.7 55.8 83.6



#10

Heptane

Concen: 1.984 ppbv

RT: 8.12 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VL035097.D

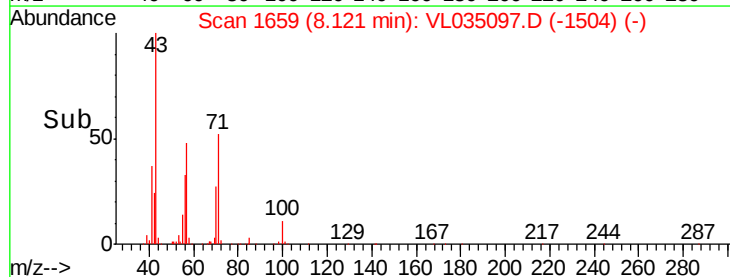
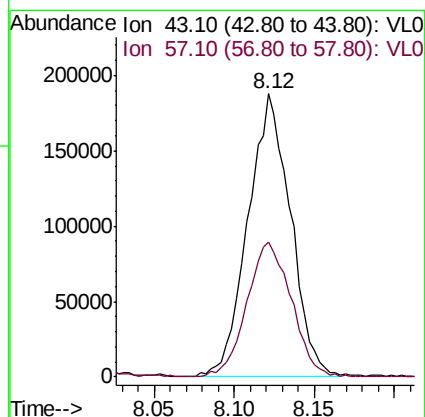
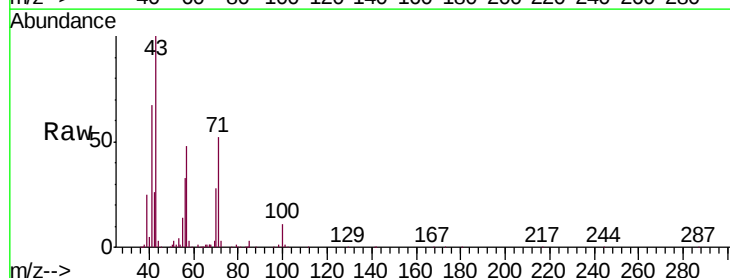
Acq: 19 Jun 2020 16:34

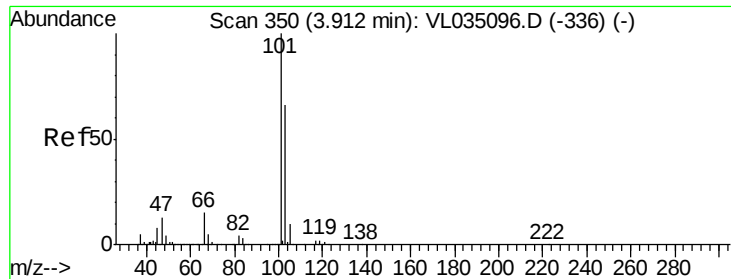
Tgt Ion: 43 Resp: 338429

Ion Ratio Lower Upper

43 100

57 50.4 41.9 62.9

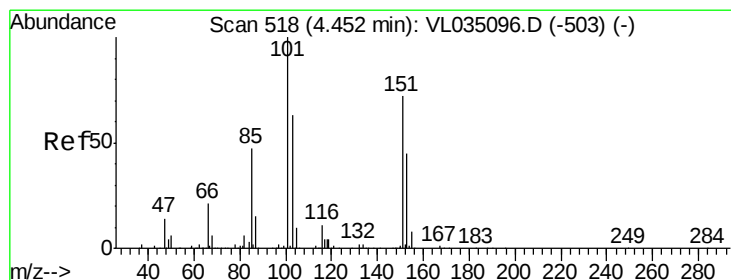
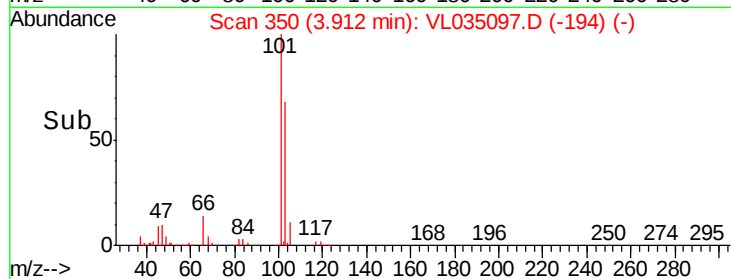
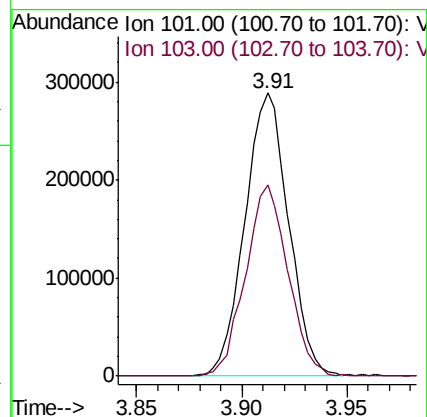
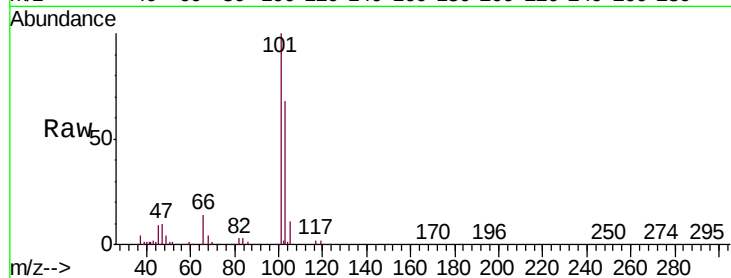




#11
 Trichlorofluoromethane
 Concen: 2.048 ppbv
 RT: 3.91 min Scan# 350
 Delta R.T. 0.00 min
 Lab File: VL035097.D
 Acq: 19 Jun 2020 16:34

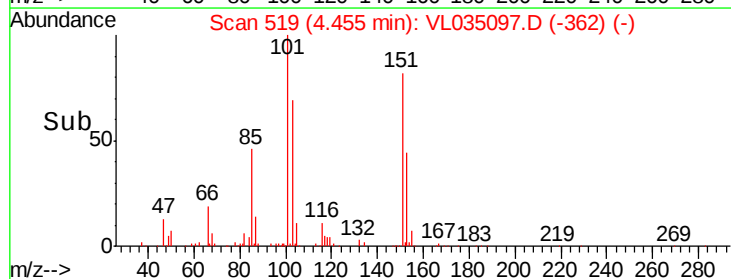
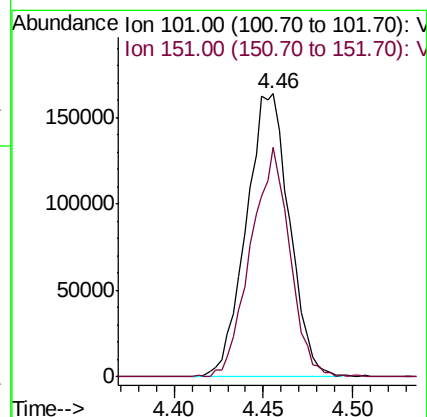
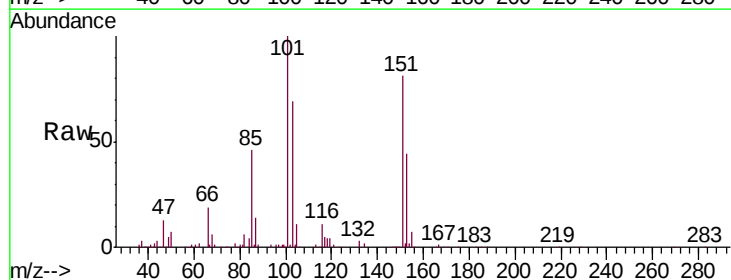
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

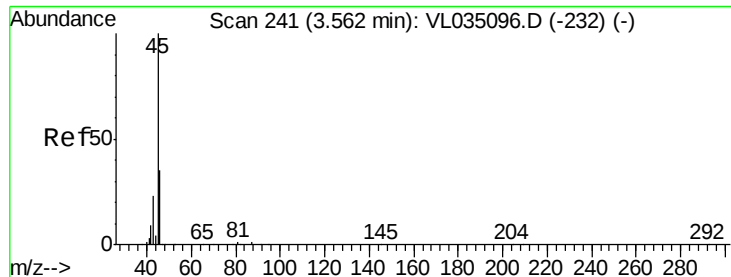
Tgt Ion:101 Resp: 415644
 Ion Ratio Lower Upper
 101 100
 103 67.7 52.6 79.0



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 1.922 ppbv
 RT: 4.46 min Scan# 519
 Delta R.T. 0.00 min
 Lab File: VL035097.D
 Acq: 19 Jun 2020 16:34

Tgt Ion:101 Resp: 277179
 Ion Ratio Lower Upper
 101 100
 151 73.2 56.6 85.0





#13

Ethanol

Concen: 1.358 ppbv

RT: 3.56 min Scan# 241

Delta R.T. 0.00 min

Lab File: VL035097.D

Acq: 19 Jun 2020 16:34

Instrument :

MSVOA_L

ClientSampleId :

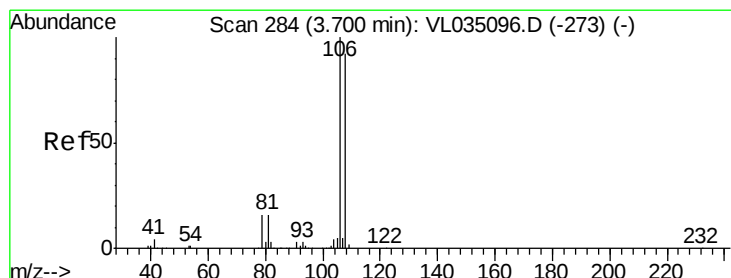
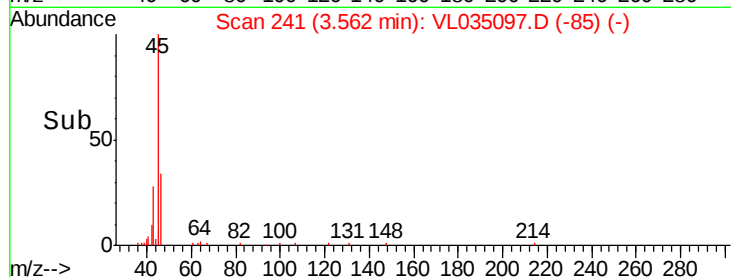
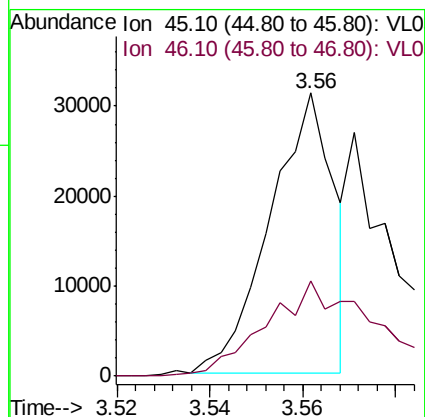
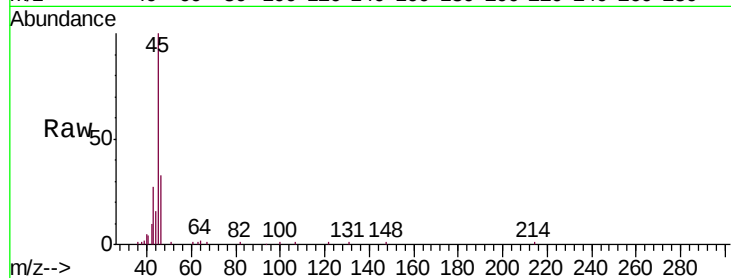
VSTDIC002

Tgt Ion: 45 Resp: 29877

Ion Ratio Lower Upper

45 100

46 65.1 14.2 57.0#



#14

Bromoethene

Concen: 2.121 ppbv

RT: 3.70 min Scan# 285

Delta R.T. 0.00 min

Lab File: VL035097.D

Acq: 19 Jun 2020 16:34

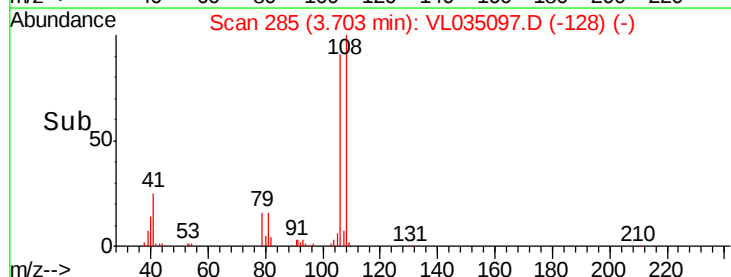
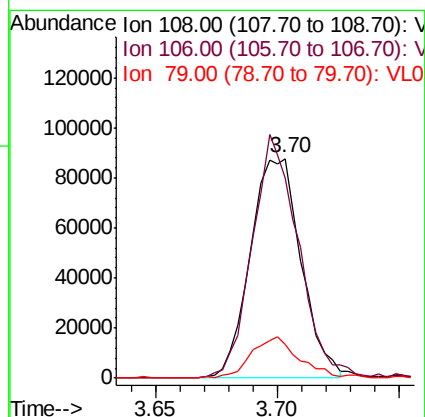
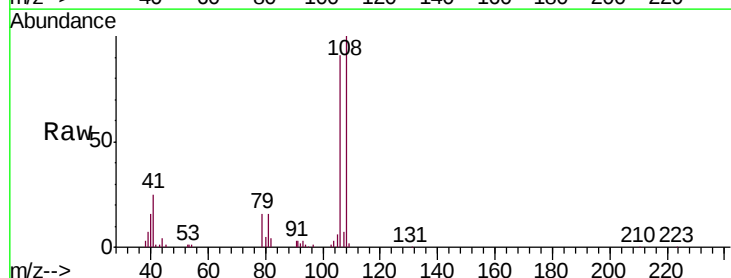
Tgt Ion: 108 Resp: 126637

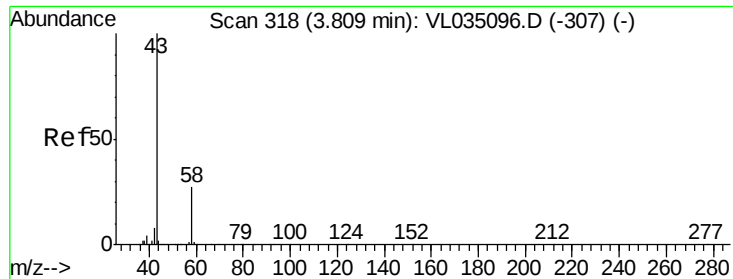
Ion Ratio Lower Upper

108 100

106 102.1 84.4 126.6

79 18.3 14.2 21.2

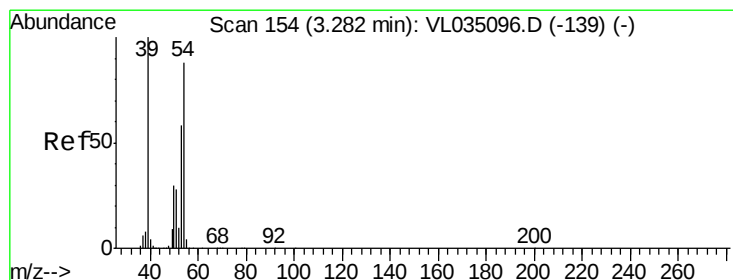
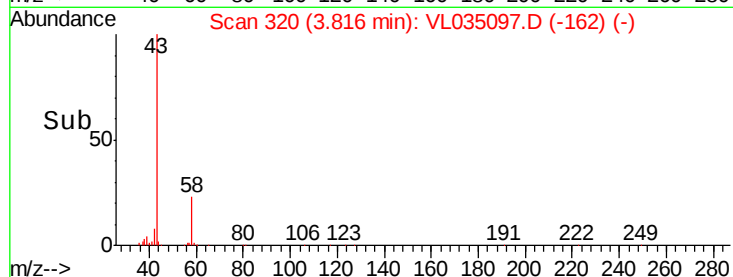
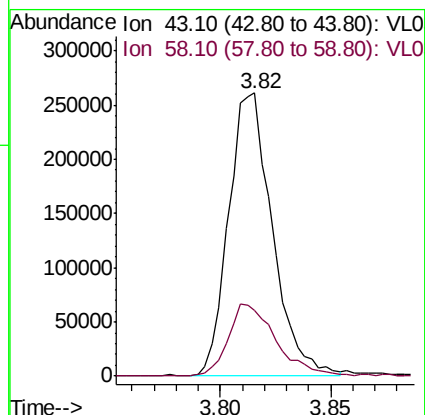
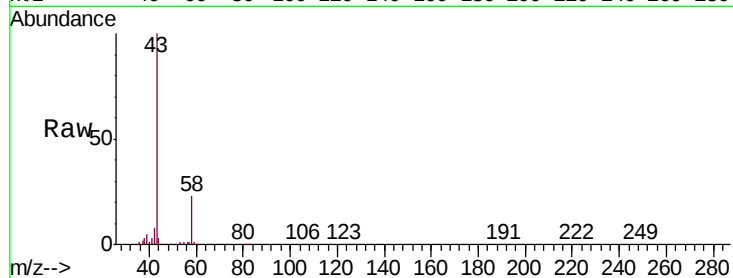




#15
Acetone
Concen: 1.950 ppbv
RT: 3.82 min Scan# 320
Delta R.T. 0.01 min
Lab File: VL035097.D
Acq: 19 Jun 2020 16:34

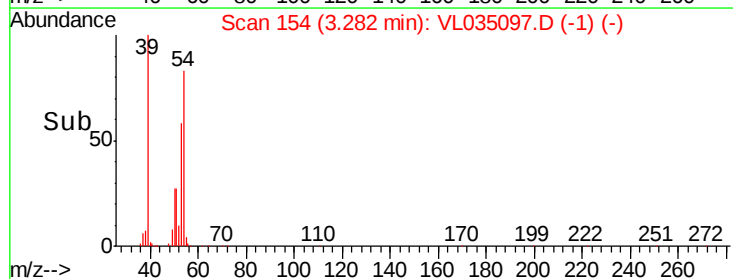
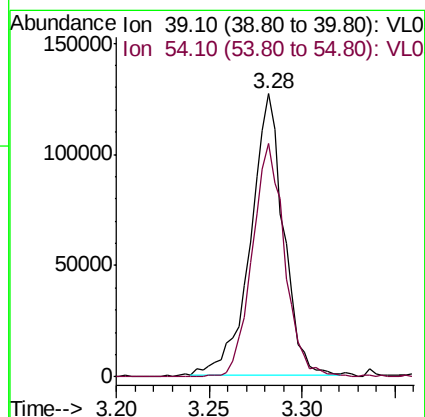
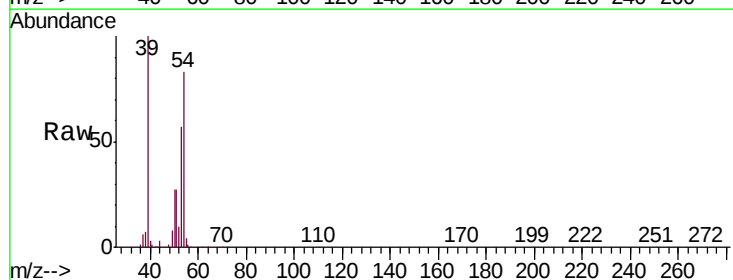
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

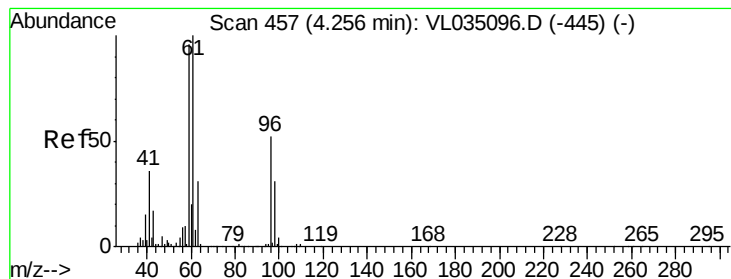
Tgt Ion: 43 Resp: 357026
Ion Ratio Lower Upper
43 100
58 28.5 21.8 32.6



#16
1,3-Butadiene
Concen: 1.980 ppbv
RT: 3.28 min Scan# 154
Delta R.T. 0.00 min
Lab File: VL035097.D
Acq: 19 Jun 2020 16:34

Tgt Ion: 39 Resp: 156227
Ion Ratio Lower Upper
39 100
54 82.3 67.0 100.4



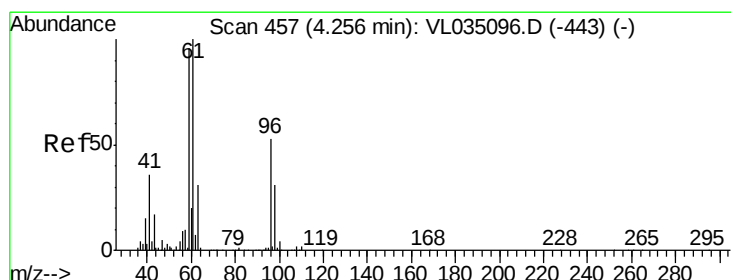
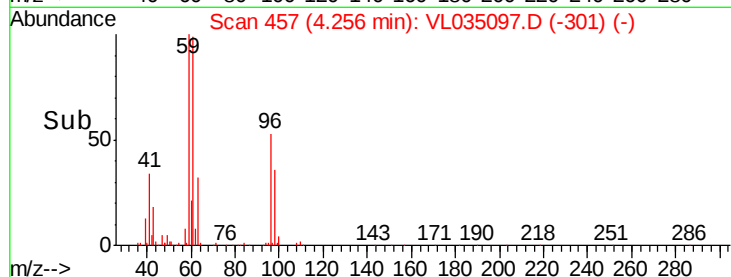
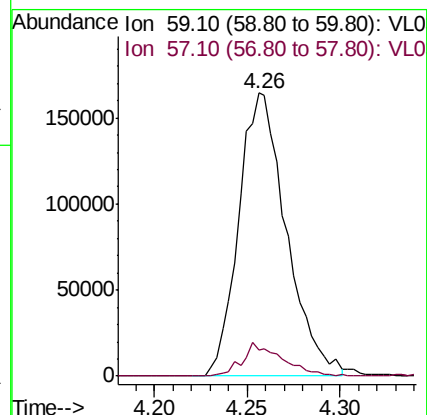
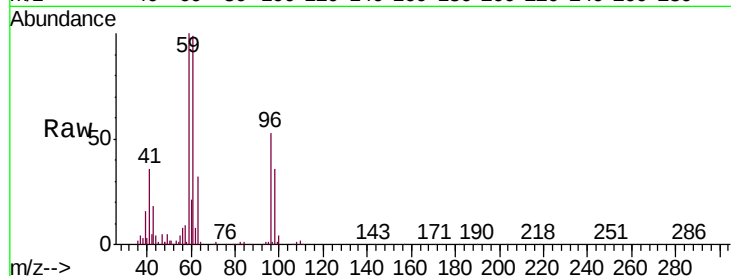


#17

tert-Butyl alcohol
 Concen: 1.809 ppbv
 RT: 4.26 min Scan# 457
 Delta R.T. 0.00 min
 Lab File: VL035097.D
 Acq: 19 Jun 2020 16:34

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

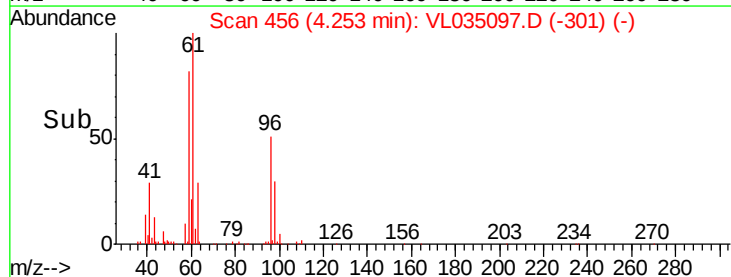
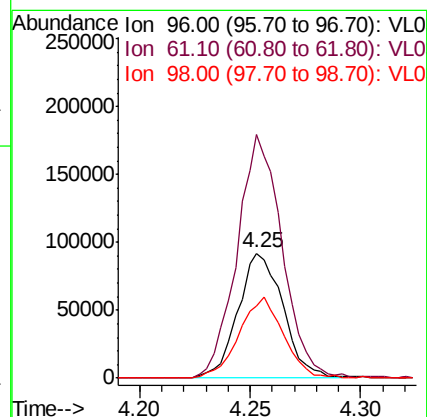
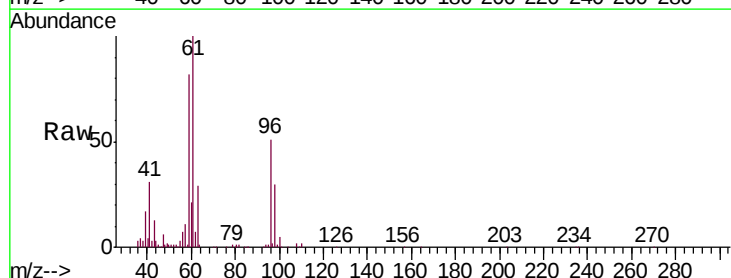
Tgt Ion: 59 Resp: 293776
 Ion Ratio Lower Upper
 59 100
 57 10.0 8.6 12.8

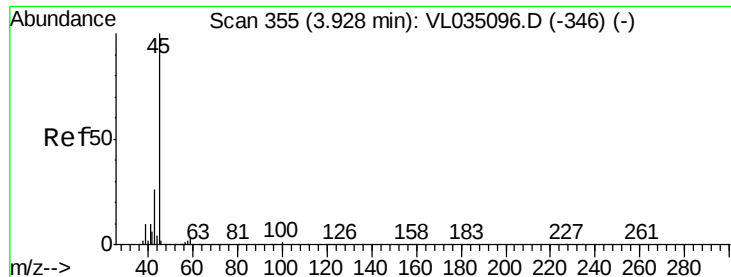


#18

1,1-Dichloroethene
 Concen: 2.075 ppbv
 RT: 4.25 min Scan# 456
 Delta R.T. -0.00 min
 Lab File: VL035097.D
 Acq: 19 Jun 2020 16:34

Tgt Ion: 96 Resp: 129936
 Ion Ratio Lower Upper
 96 100
 61 195.6 152.2 228.4
 98 58.2 47.7 71.5





#19

Isopropyl Alcohol

Concen: 1.764 ppbv

RT: 3.93 min Scan# 355

Delta R.T. 0.00 min

Lab File: VL035097.D

Acq: 19 Jun 2020 16:34

Instrument :

MSVOA_L

ClientSampleId :

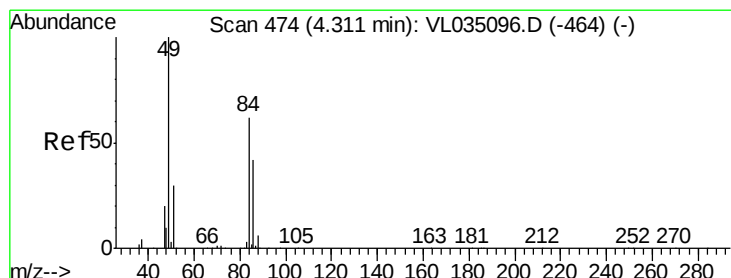
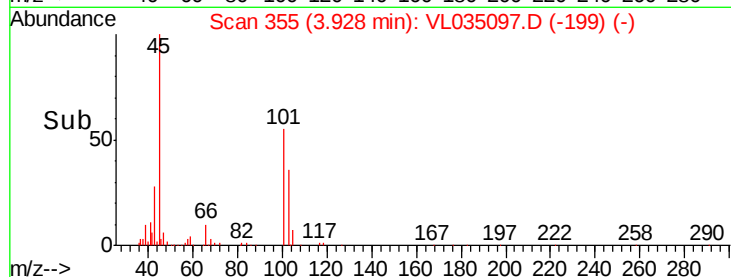
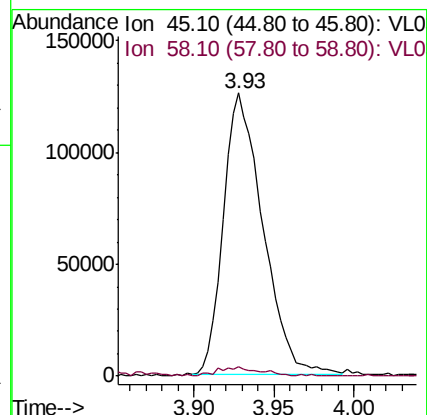
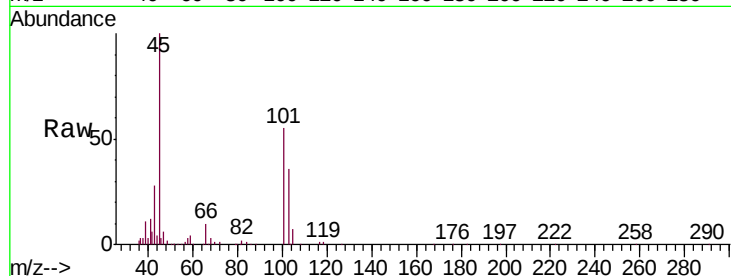
VSTDIC002

Tgt Ion: 45 Resp: 212721

Ion Ratio Lower Upper

45 100

58 3.7 1.8 2.8#



#20

Methylene Chloride

Concen: 2.481 ppbv

RT: 4.31 min Scan# 474

Delta R.T. 0.00 min

Lab File: VL035097.D

Acq: 19 Jun 2020 16:34

Tgt Ion: 84 Resp: 150258

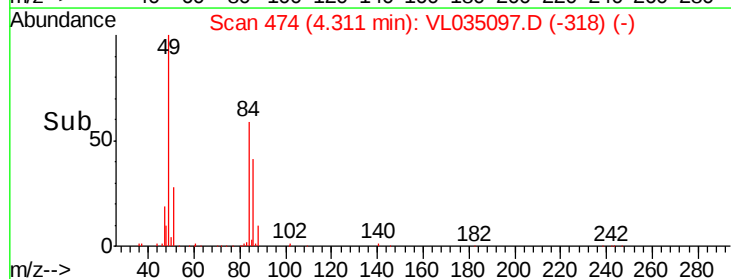
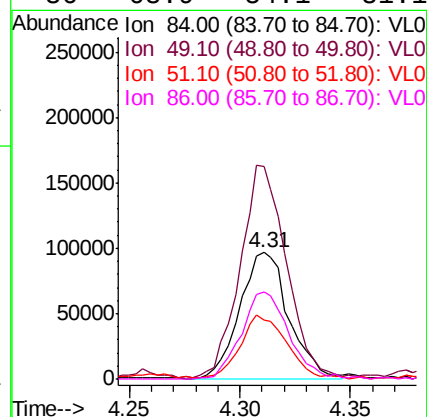
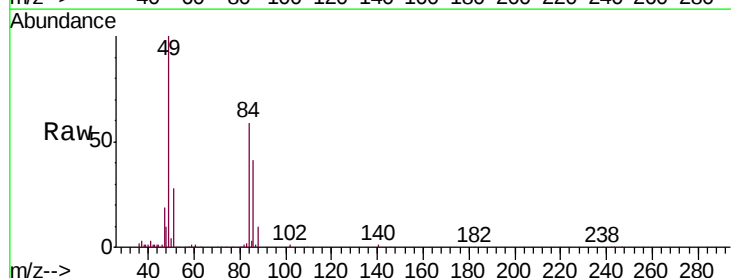
Ion Ratio Lower Upper

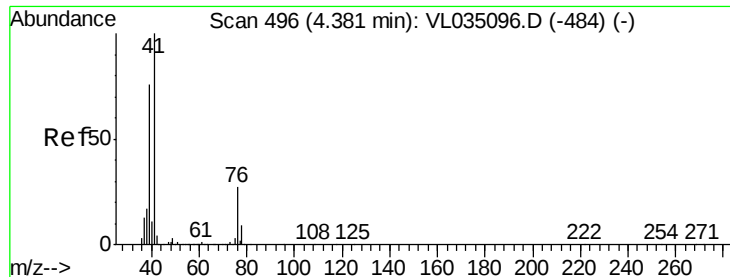
84 100

49 167.7 128.8 193.2

51 45.4 38.7 58.1

86 68.9 54.1 81.1

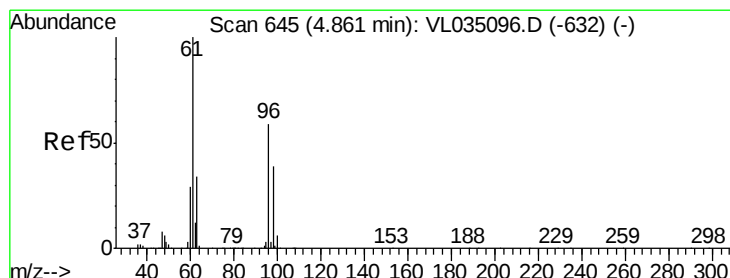
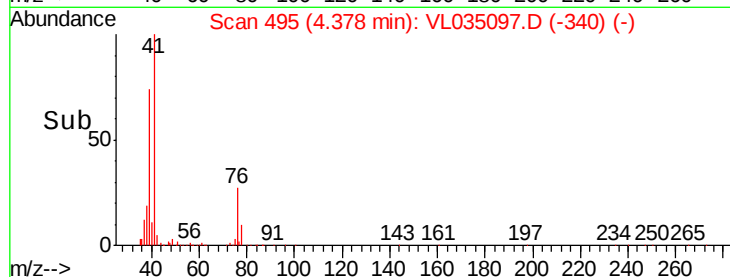
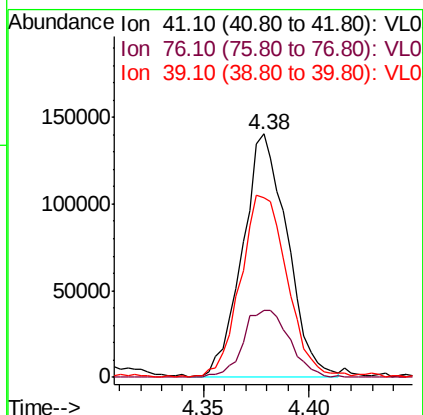
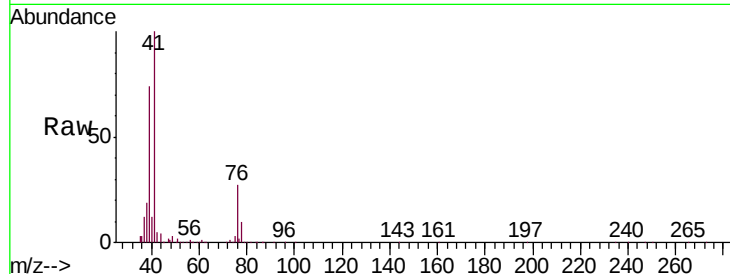




#21
 Allyl Chloride
 Concen: 1.988 ppbv
 RT: 4.38 min Scan# 495
 Delta R.T. -0.00 min
 Lab File: VL035097.D
 Acq: 19 Jun 2020 16:34

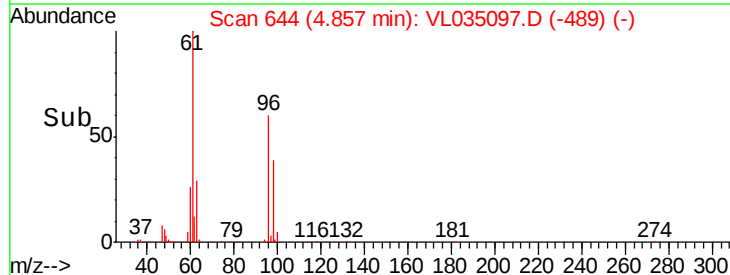
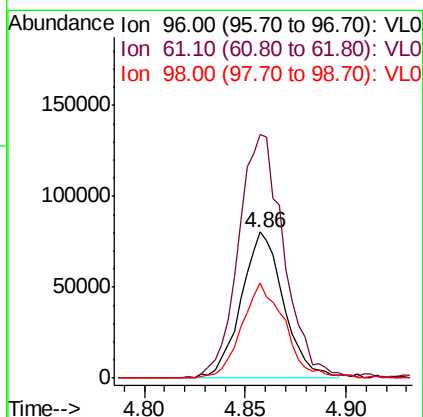
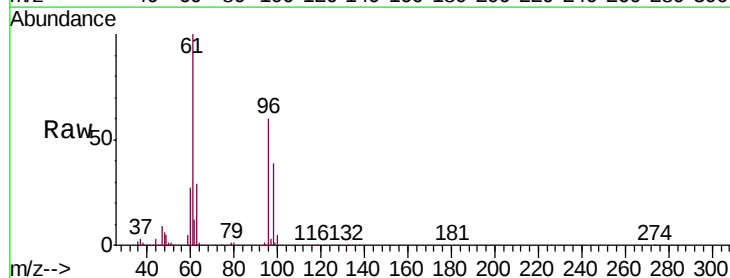
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

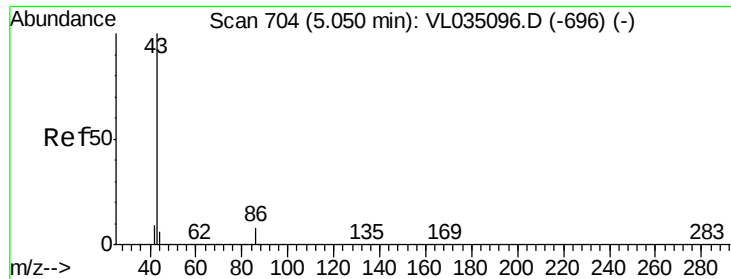
Tgt Ion	Ratio	Lower	Upper
41	100		
76	29.1	22.6	34.0
39	78.2	61.6	92.4



#22
 trans-1,2-Dichloroethene
 Concen: 1.936 ppbv
 RT: 4.86 min Scan# 644
 Delta R.T. -0.00 min
 Lab File: VL035097.D
 Acq: 19 Jun 2020 16:34

Tgt Ion	Ratio	Lower	Upper
96	100		
61	165.9	134.5	201.7
98	64.7	52.6	79.0

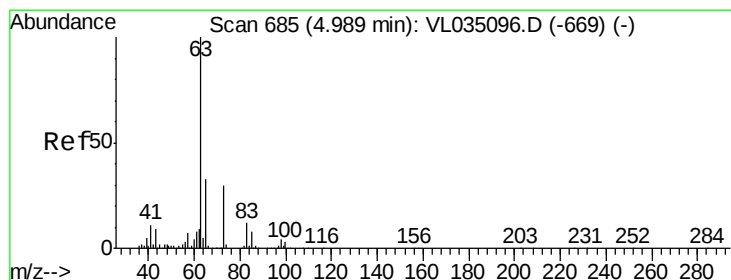
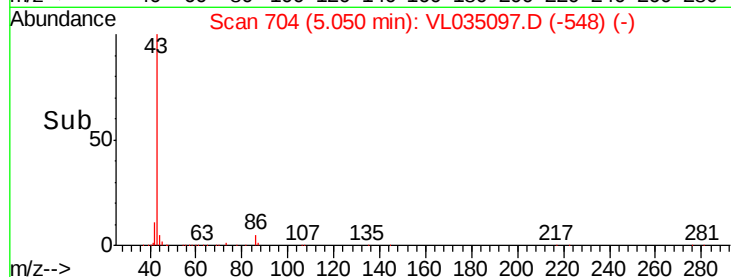
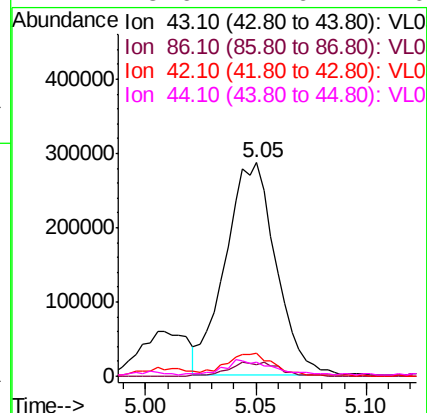
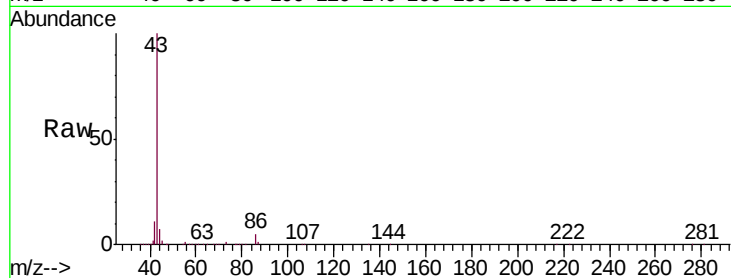




#23
 Vinyl Acetate
 Concen: 1.978 ppbv
 RT: 5.05 min Scan# 704
 Delta R.T. 0.00 min
 Lab File: VL035097.D
 Acq: 19 Jun 2020 16:34

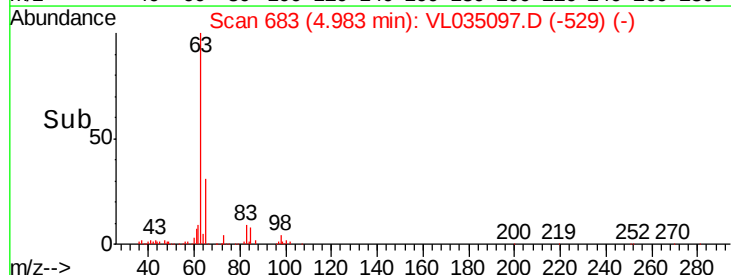
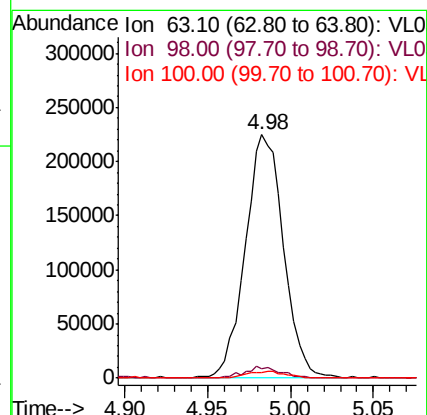
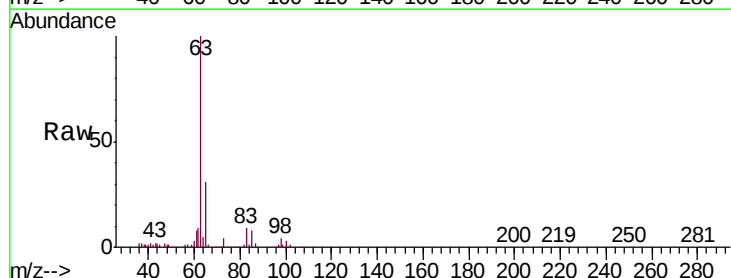
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

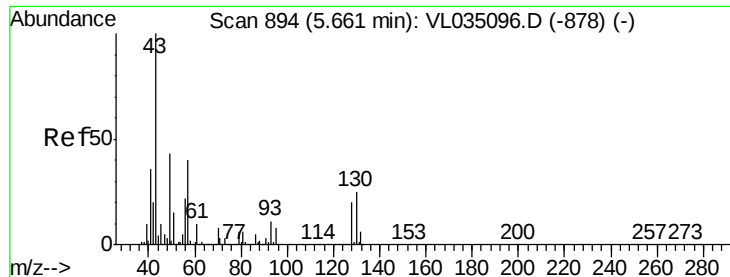
Tgt Ion:	43	Resp:	454242
Ion	Ratio	Lower	Upper
43	100		
86	5.2	6.2	9.2#
42	10.1	8.1	12.1
44	5.6	4.6	7.0



#24
 1,1-Dichloroethane
 Concen: 2.007 ppbv
 RT: 4.98 min Scan# 683
 Delta R.T. -0.01 min
 Lab File: VL035097.D
 Acq: 19 Jun 2020 16:34

Tgt Ion:	63	Resp:	359132
Ion	Ratio	Lower	Upper
63	100		
98	4.5	2.3	6.9
100	2.5	1.4	4.0

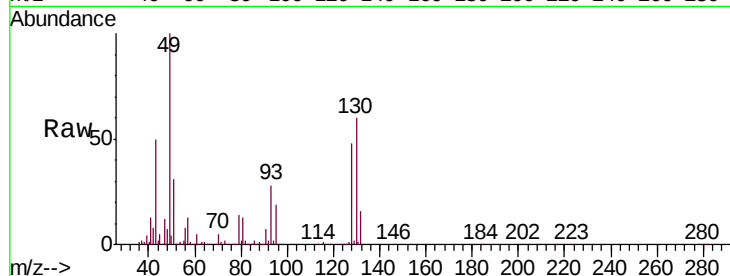




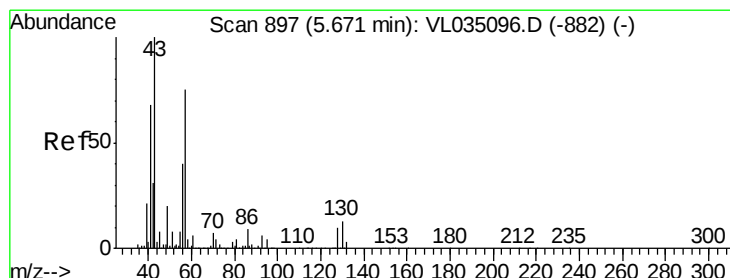
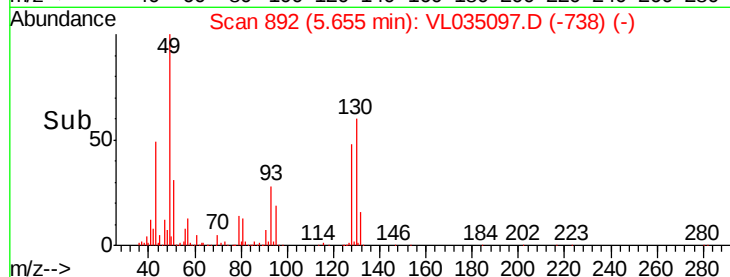
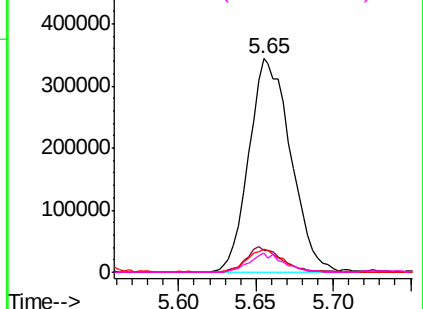
#25
Ethyl Acetate
Concen: 2.104 ppbv
RT: 5.65 min Scan# 892
Delta R.T. -0.01 min
Lab File: VL035097.D
Acq: 19 Jun 2020 16:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion:	43	Resp:	646569
Ion	Ratio	Lower	Upper
43	100		
45	10.3	8.4	12.6
61	9.5	8.0	12.0
70	7.4	6.3	9.5

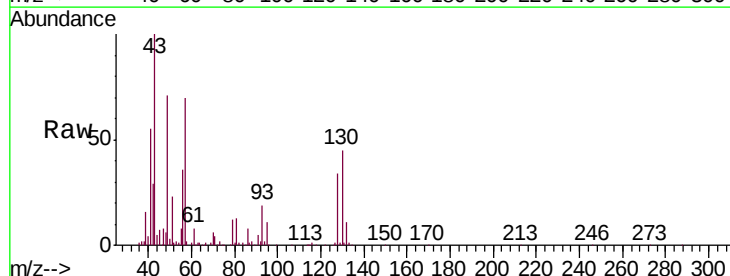


Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0

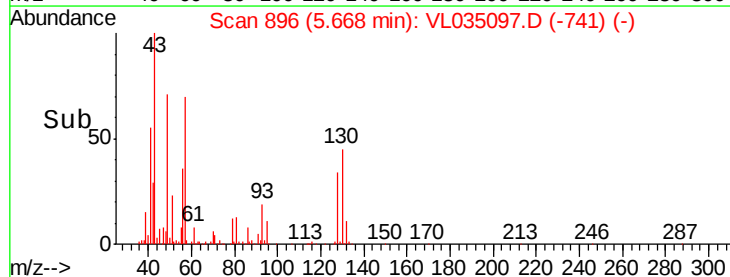
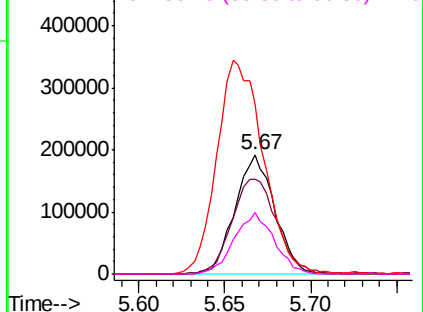


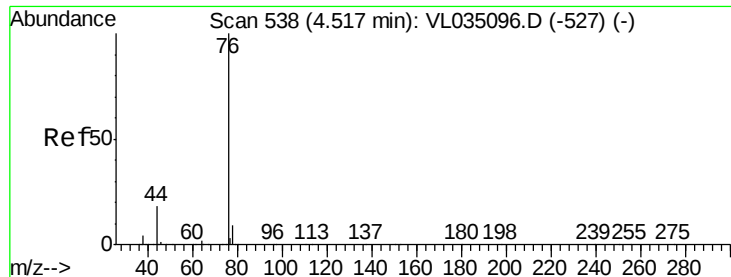
#26
Hexane
Concen: 2.301 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.00 min
Lab File: VL035097.D
Acq: 19 Jun 2020 16:34

Tgt Ion:	57	Resp:	306811
Ion	Ratio	Lower	Upper
57	100		
41	89.9	72.9	109.3
43	211.9	181.3	271.9
56	51.8	43.1	64.7



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: 1.842 ppbv

RT: 4.52 min Scan# 540

Delta R.T. 0.01 min

Lab File: VL035097.D

Acq: 19 Jun 2020 16:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

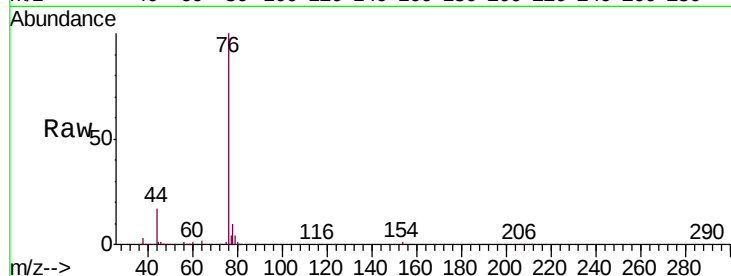
Tgt Ion: 76 Resp: 286506

Ion Ratio Lower Upper

76 100

44 21.2 15.8 23.8

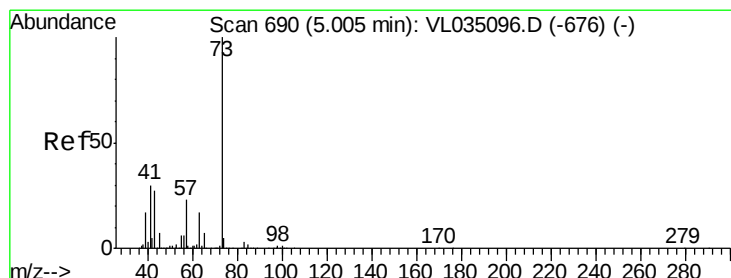
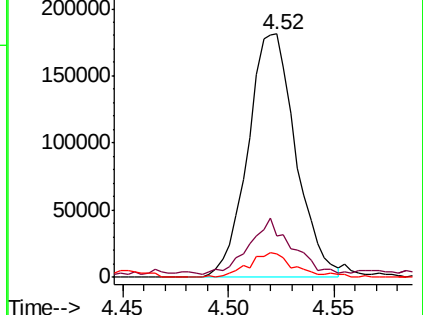
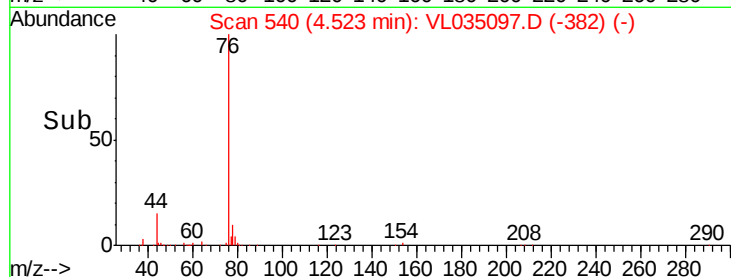
78 10.2 7.6 11.4



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: 2.050 ppbv

RT: 5.01 min Scan# 692

Delta R.T. 0.01 min

Lab File: VL035097.D

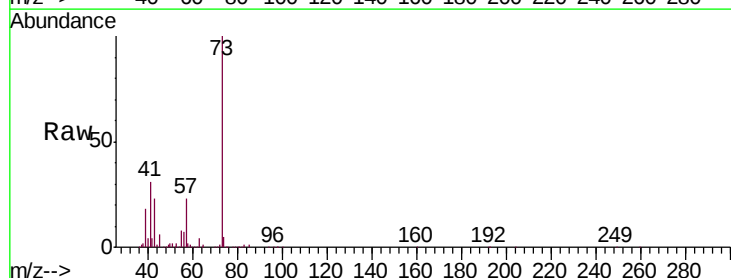
Acq: 19 Jun 2020 16:34

Tgt Ion: 73 Resp: 415041

Ion Ratio Lower Upper

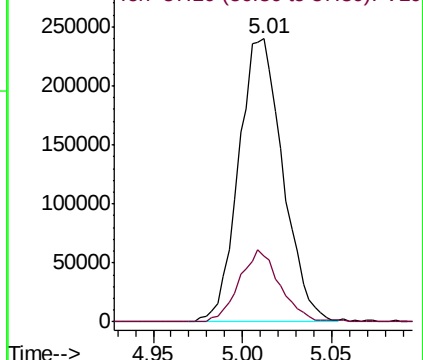
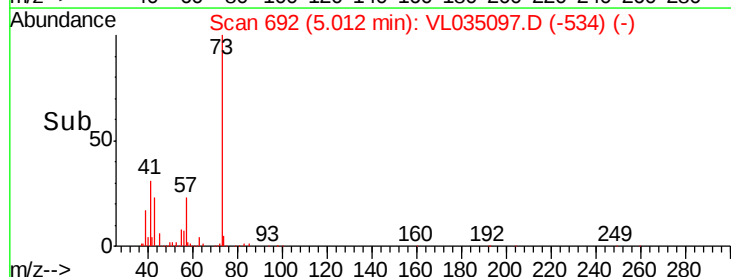
73 100

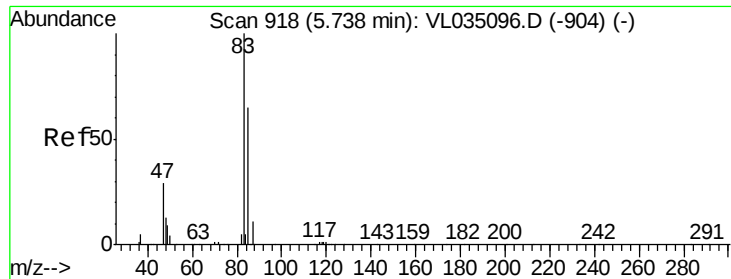
57 23.6 18.5 27.7



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

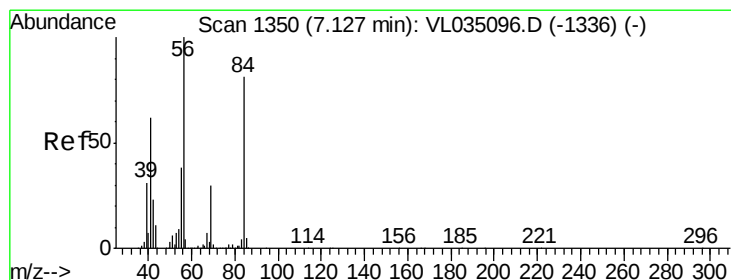
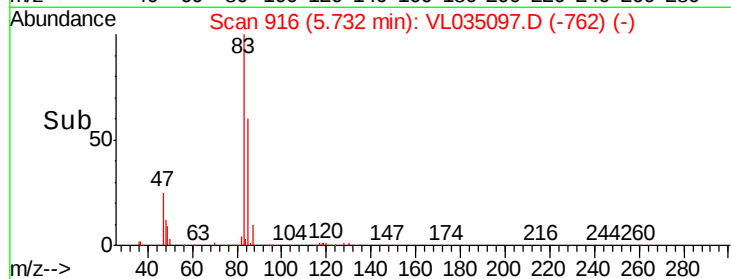
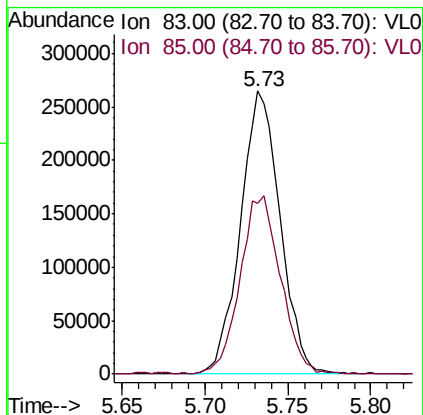
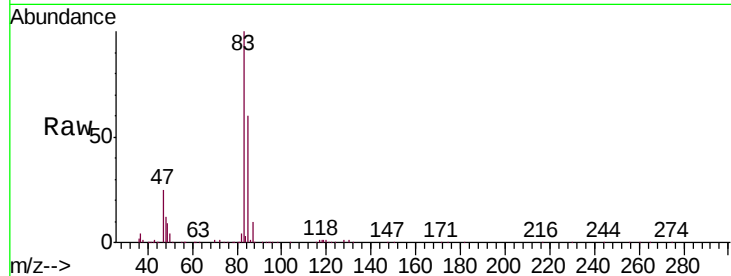




#29
Chloroform
Concen: 2.013 ppbv
RT: 5.73 min Scan# 916
Delta R.T. -0.01 min
Lab File: VL035097.D
Acq: 19 Jun 2020 16:34

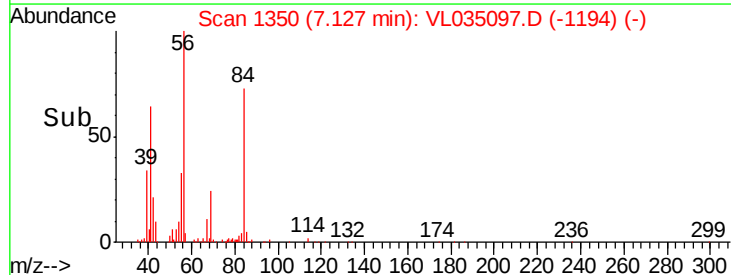
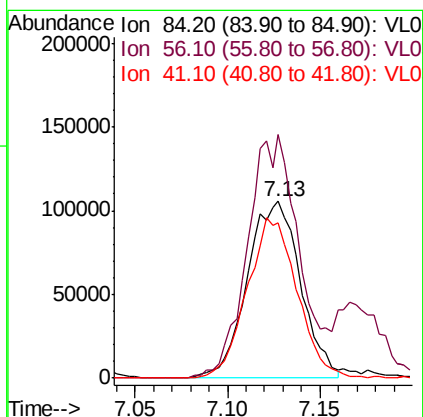
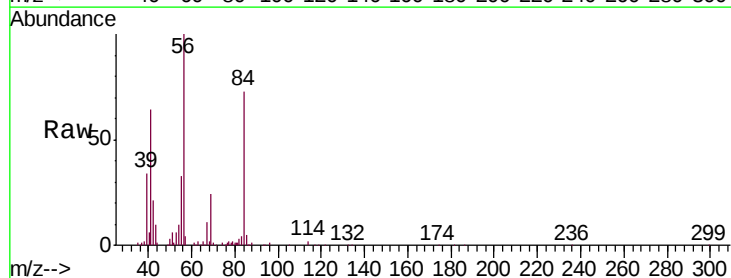
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

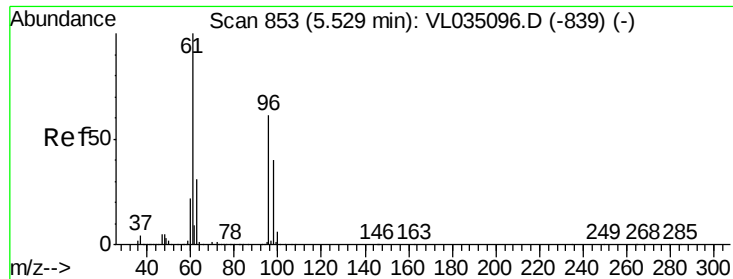
Tgt Ion: 83 Resp: 440456
Ion Ratio Lower Upper
83 100
85 60.0 52.1 78.1



#30
Cyclohexane
Concen: 2.032 ppbv
RT: 7.13 min Scan# 1350
Delta R.T. 0.00 min
Lab File: VL035097.D
Acq: 19 Jun 2020 16:34

Tgt Ion: 84 Resp: 210132
Ion Ratio Lower Upper
84 100
56 132.3 108.0 162.0
41 86.0 65.6 98.4



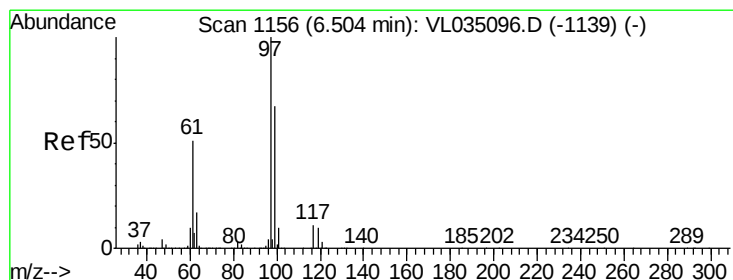
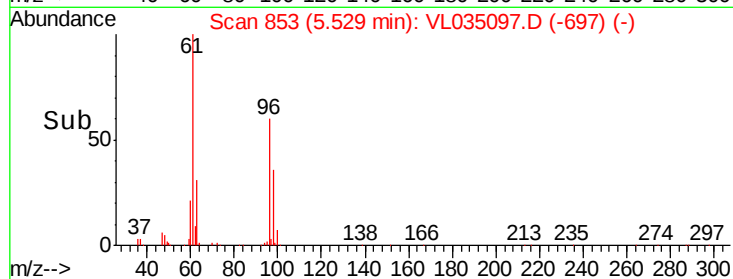
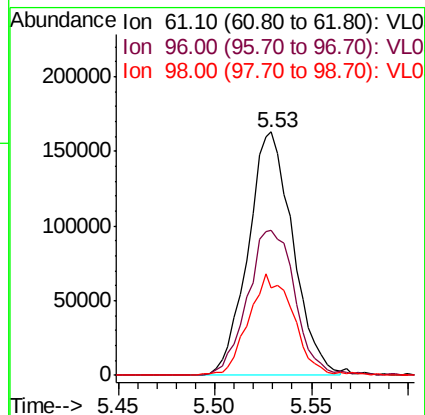
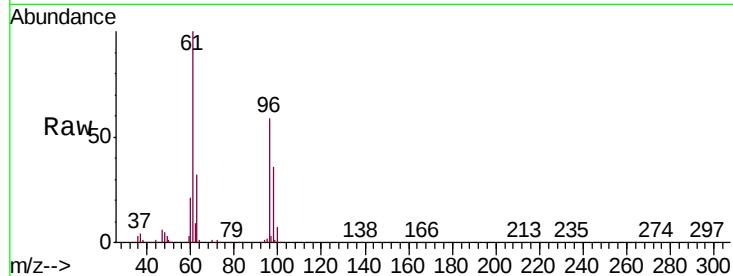


#31

cis-1,2-Dichloroethene
 Concen: 2.017 ppbv
 RT: 5.53 min Scan# 853
 Delta R.T. 0.00 min
 Lab File: VL035097.D
 Acq: 19 Jun 2020 16:34

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

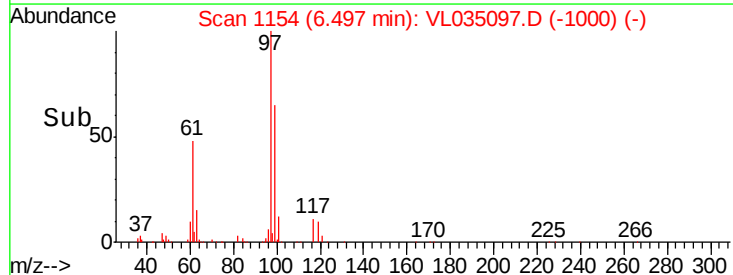
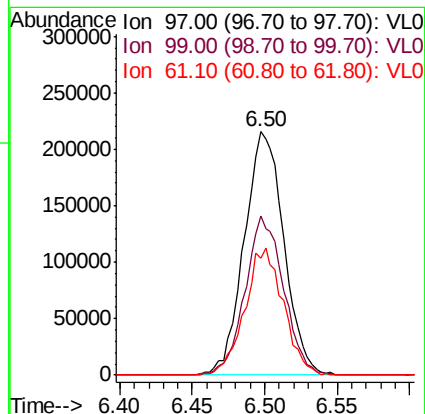
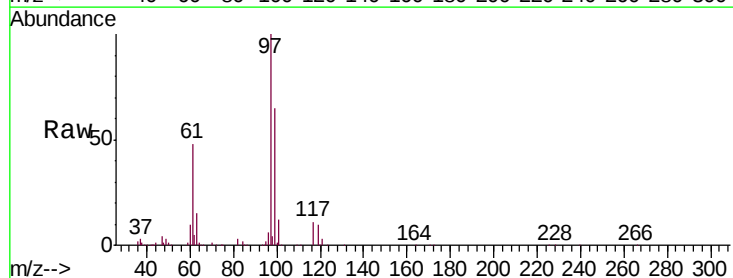
Tgt Ion	Ratio	Lower	Upper
61	100		
96	59.4	48.8	73.2
98	35.9	31.9	47.9

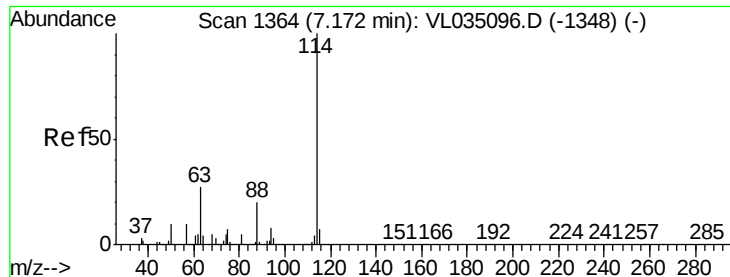


#32

1,1,1-Trichloroethane
 Concen: 2.075 ppbv
 RT: 6.50 min Scan# 1154
 Delta R.T. -0.01 min
 Lab File: VL035097.D
 Acq: 19 Jun 2020 16:34

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.4	52.0	78.0
61	50.9	41.0	61.6

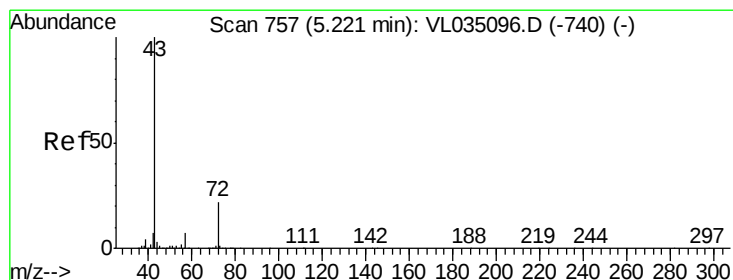
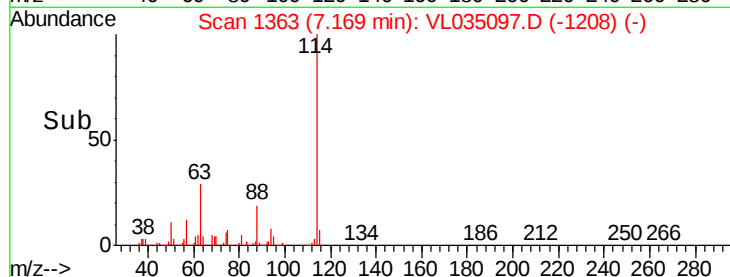
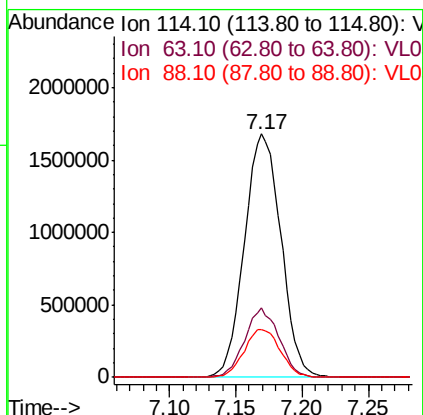
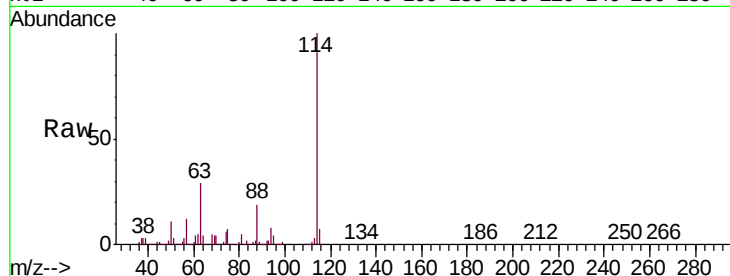




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VL035097.D
 Acq: 19 Jun 2020 16:34

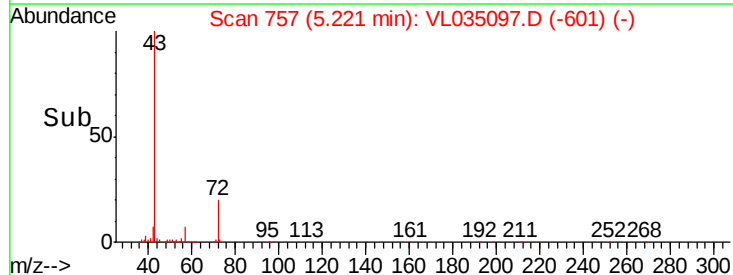
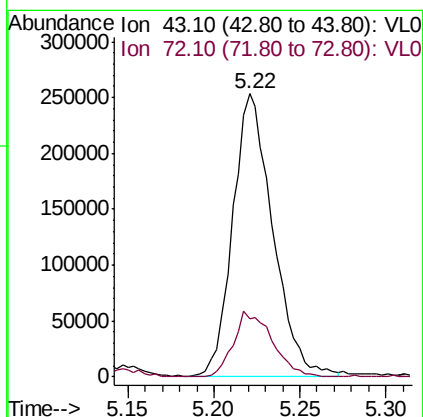
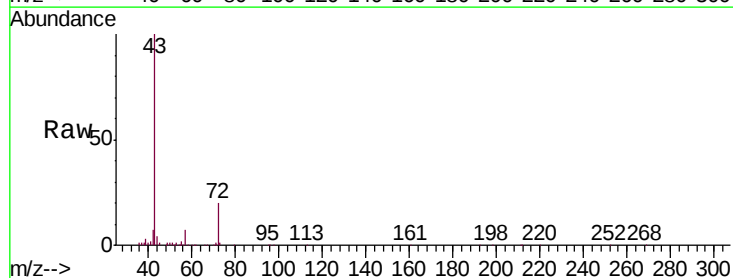
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

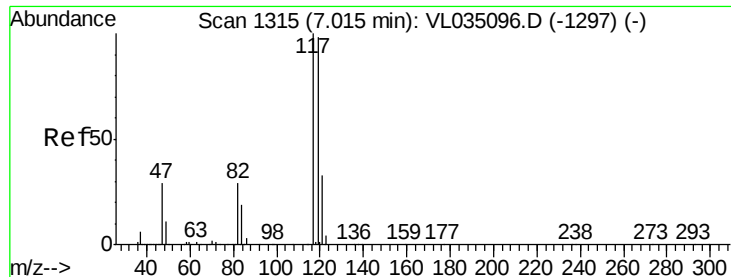
Tgt Ion:114 Resp: 3214989
 Ion Ratio Lower Upper
 114 100
 63 27.0 21.9 32.9
 88 19.7 15.6 23.4



#34
 2-Butanone
 Concen: 2.053 ppbv
 RT: 5.22 min Scan# 757
 Delta R.T. 0.00 min
 Lab File: VL035097.D
 Acq: 19 Jun 2020 16:34

Tgt Ion: 43 Resp: 407347
 Ion Ratio Lower Upper
 43 100
 72 22.6 18.3 27.5





#35

Carbon Tetrachloride

Concen: 2.019 ppbv

RT: 7.01 min Scan# 1314

Delta R.T. -0.00 min

Lab File: VL035097.D

Acq: 19 Jun 2020 16:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

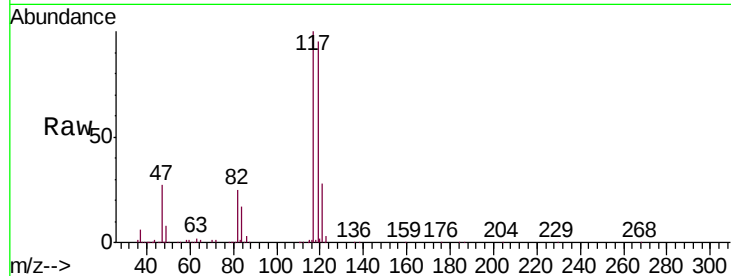
Tgt Ion:117 Resp: 409112

Ion Ratio Lower Upper

117 100

119 94.5 78.3 117.5

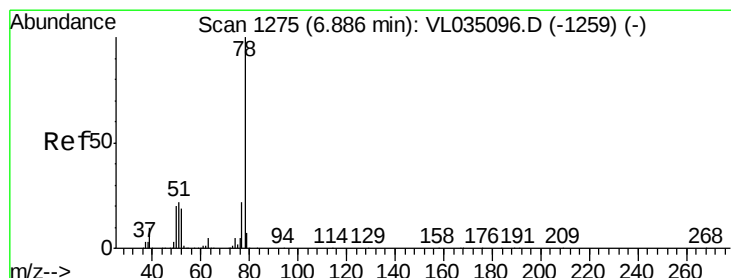
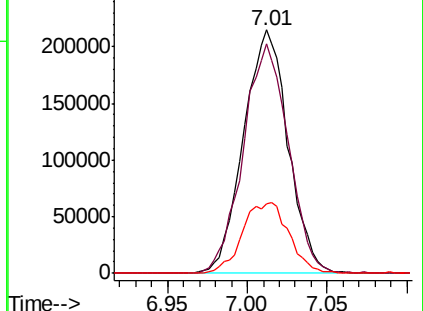
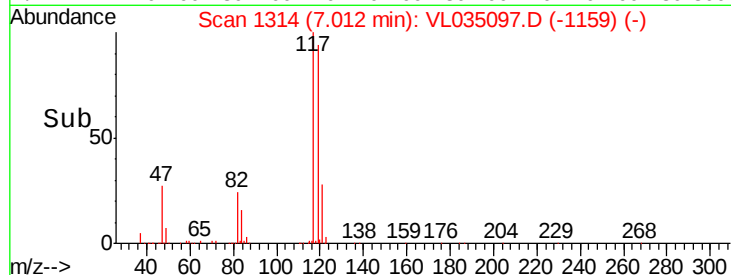
121 28.5 26.0 39.0



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: 2.051 ppbv

RT: 6.88 min Scan# 1274

Delta R.T. -0.00 min

Lab File: VL035097.D

Acq: 19 Jun 2020 16:34

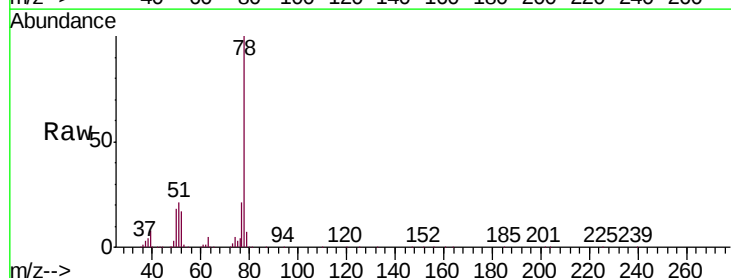
Tgt Ion: 78 Resp: 542726

Ion Ratio Lower Upper

78 100

77 20.6 17.8 26.6

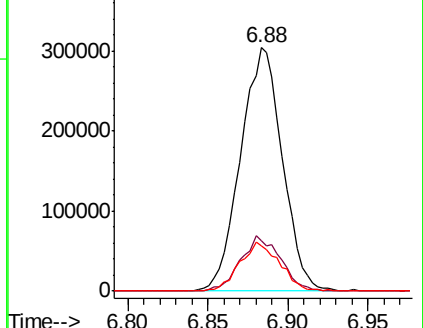
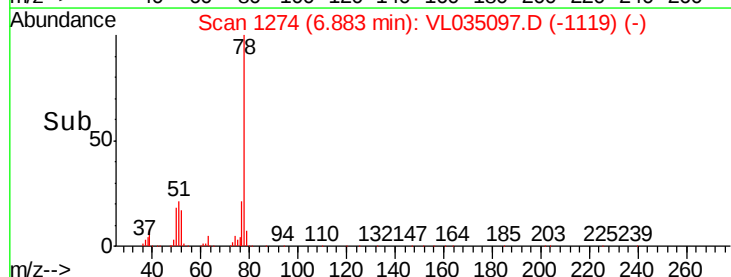
50 18.3 16.2 24.2

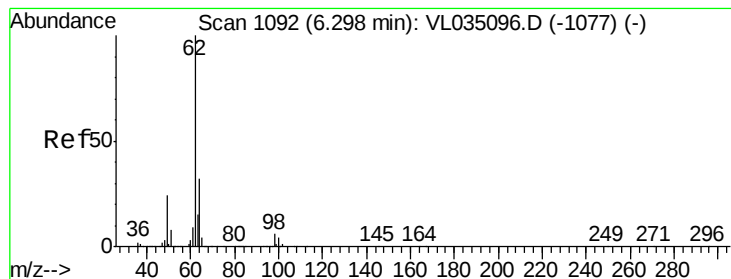


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 2.025 ppbv

RT: 6.29 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VL035097.D

Acq: 19 Jun 2020 16:34

Instrument :

MSVOA_L

ClientSampleId :

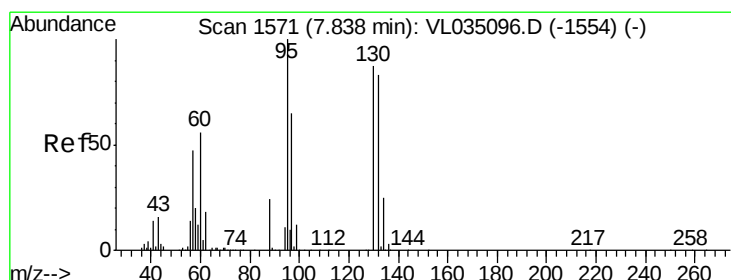
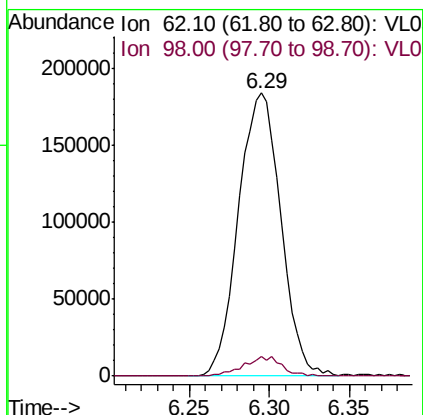
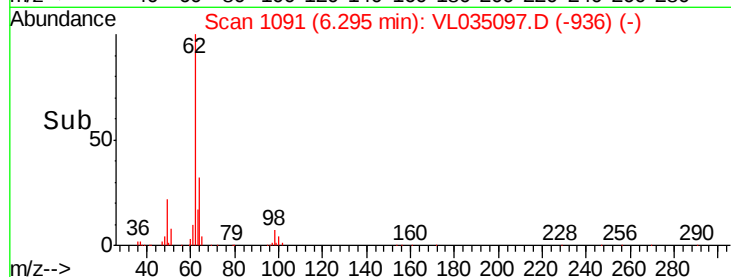
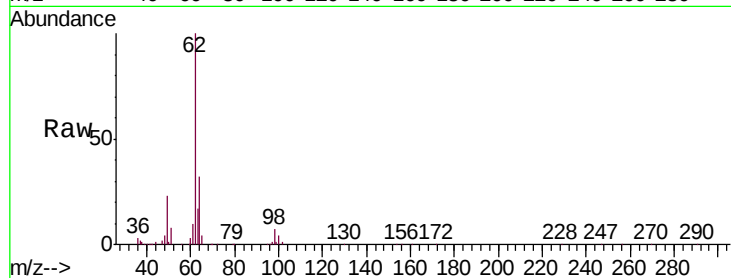
VSTDIC002

Tgt Ion: 62 Resp: 331470

Ion Ratio Lower Upper

62 100

98 6.4 4.8 7.2



#38

Trichloroethene

Concen: 0.989 ppbv

RT: 7.83 min Scan# 1569

Delta R.T. -0.01 min

Lab File: VL035097.D

Acq: 19 Jun 2020 16:34

Tgt Ion: 130 Resp: 101882

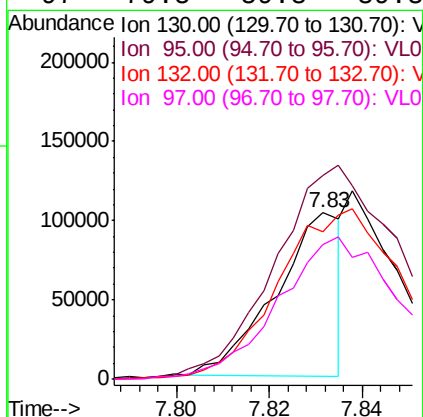
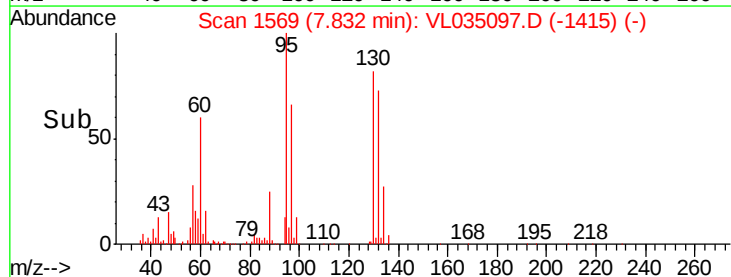
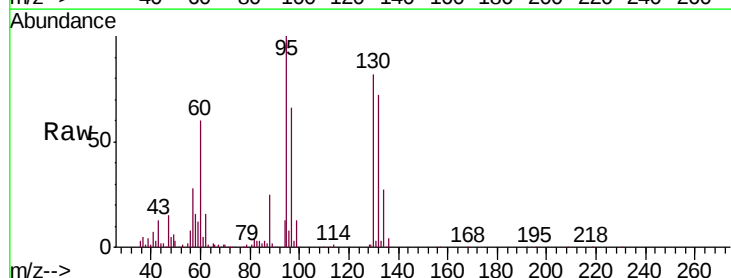
Ion Ratio Lower Upper

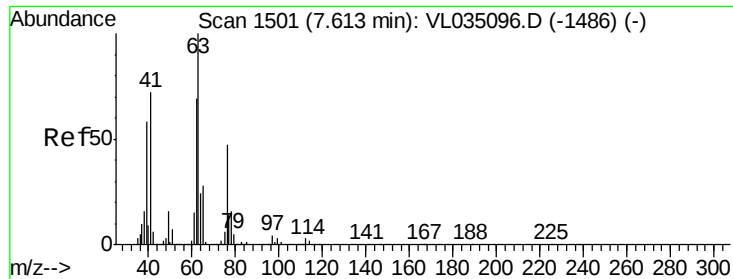
130 100

95 118.9 91.4 137.2

132 88.1 75.8 113.6

97 79.5 59.8 89.8

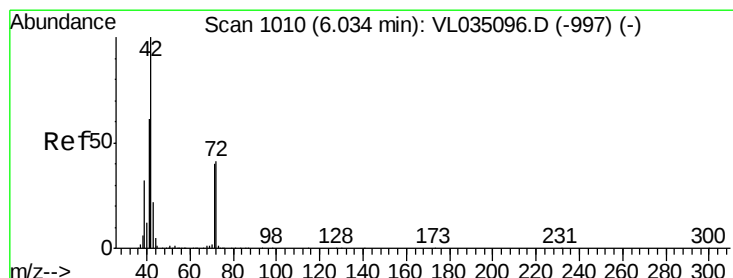
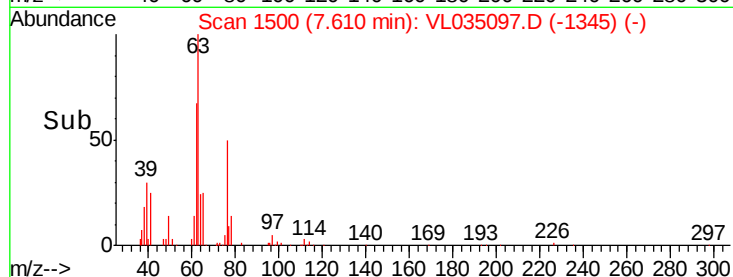
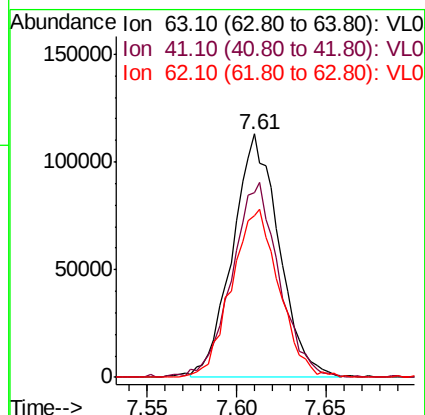
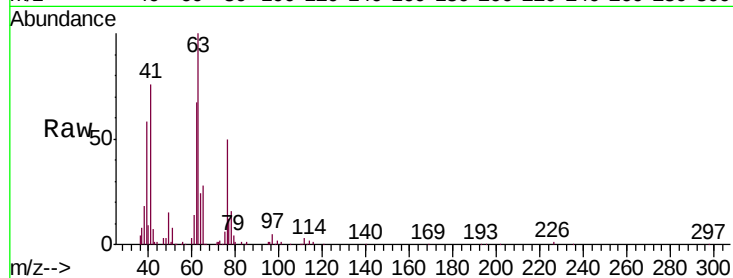




#39
 1,2-Dichloropropane
 Concen: 1.924 ppbv
 RT: 7.61 min Scan# 1500
 Delta R.T. -0.00 min
 Lab File: VL035097.D
 Acq: 19 Jun 2020 16:34

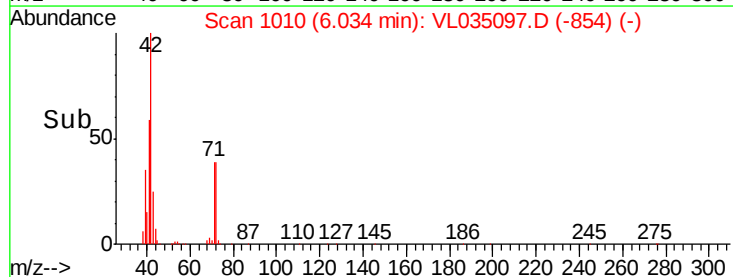
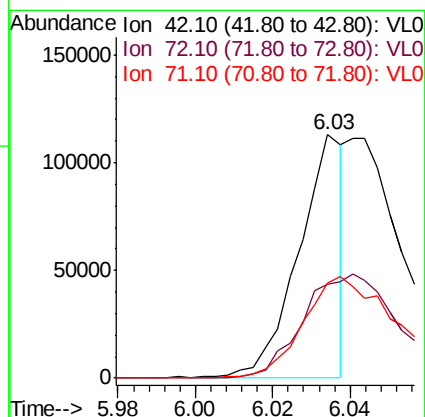
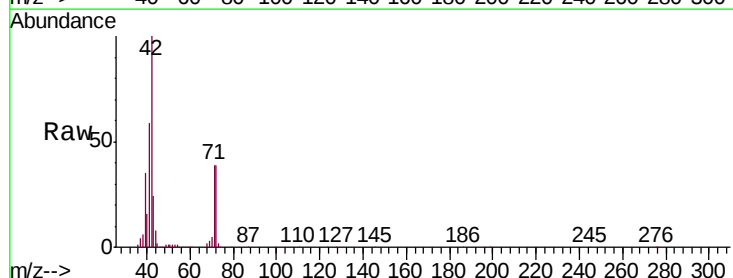
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

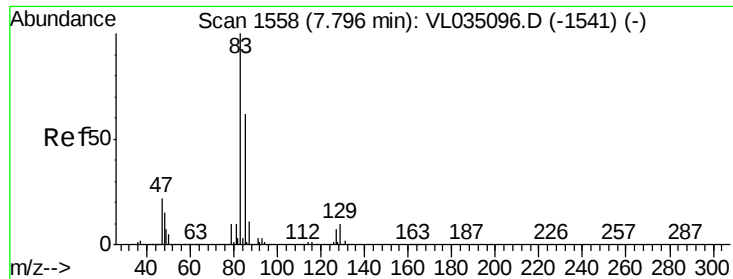
Tgt Ion: 63 Resp: 203928
 Ion Ratio Lower Upper
 63 100
 41 74.8 58.0 87.0
 62 66.4 55.4 83.0



#41
 Tetrahydrofuran
 Concen: 0.865 ppbv
 RT: 6.03 min Scan# 1010
 Delta R.T. 0.00 min
 Lab File: VL035097.D
 Acq: 19 Jun 2020 16:34

Tgt Ion: 42 Resp: 90024
 Ion Ratio Lower Upper
 42 100
 72 0.0 33.4 50.2#
 71 0.0 31.8 47.6#





#42

Bromodichloromethane

Concen: 2.014 ppbv

RT: 7.79 min Scan# 1556

Delta R.T. -0.01 min

Lab File: VL035097.D

Acq: 19 Jun 2020 16:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

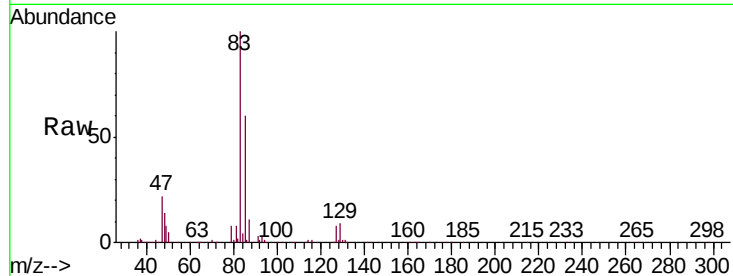
Tgt Ion: 83 Resp: 444280

Ion Ratio Lower Upper

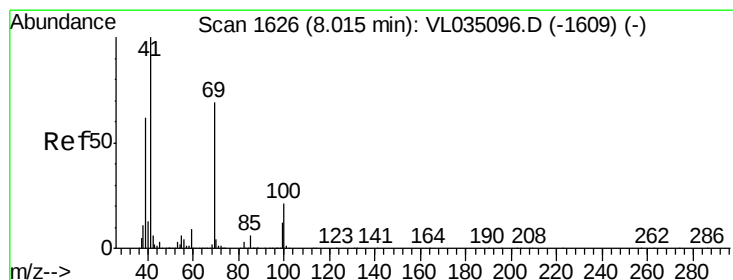
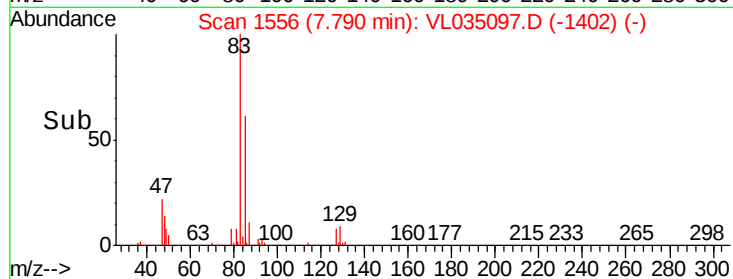
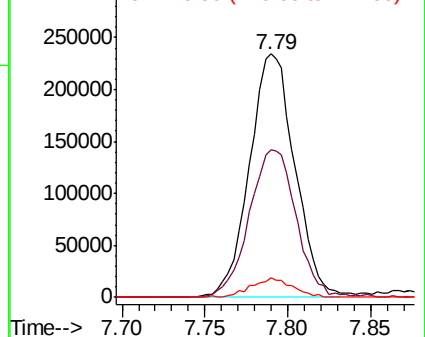
83 100

85 60.5 49.4 74.0

127 7.9 5.9 8.9



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): VL0



#43

Methyl Methacrylate

Concen: 2.020 ppbv

RT: 8.01 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VL035097.D

Acq: 19 Jun 2020 16:34

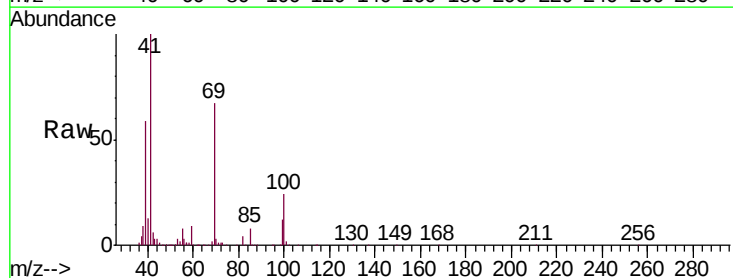
Tgt Ion: 69 Resp: 225516

Ion Ratio Lower Upper

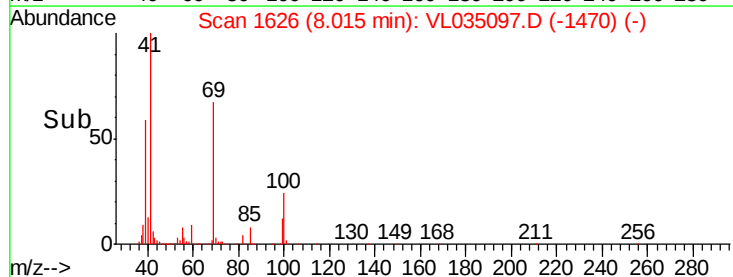
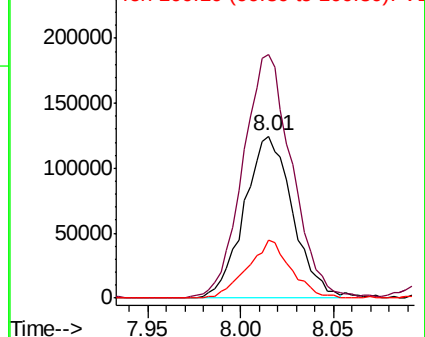
69 100

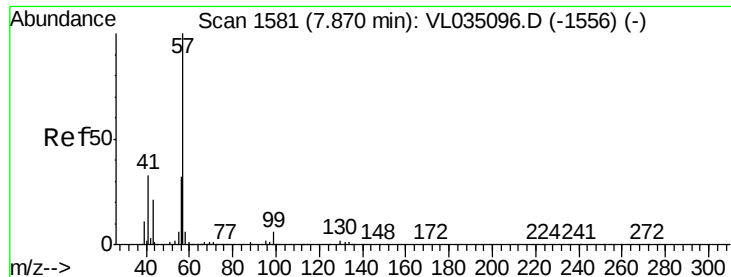
41 152.7 116.4 174.6

100 32.2 25.3 37.9



Abundance Ion 69.10 (68.80 to 69.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 100.10 (99.80 to 100.80): VL0

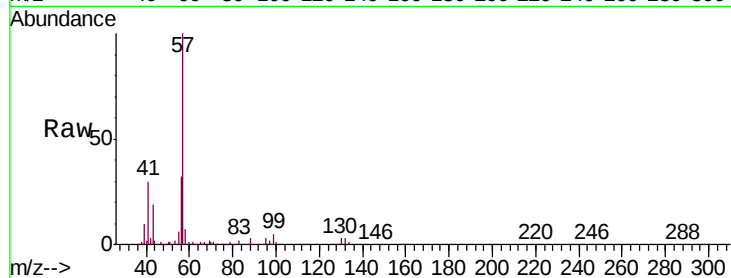




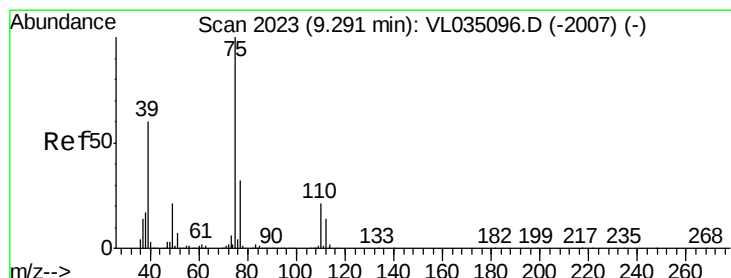
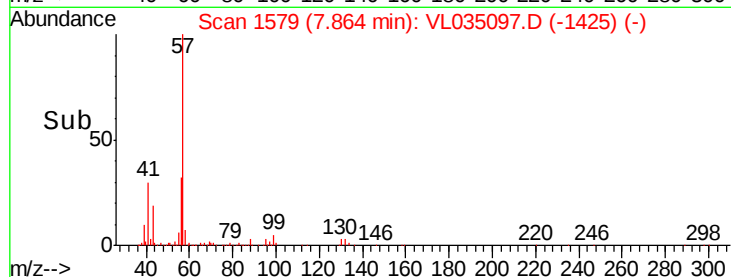
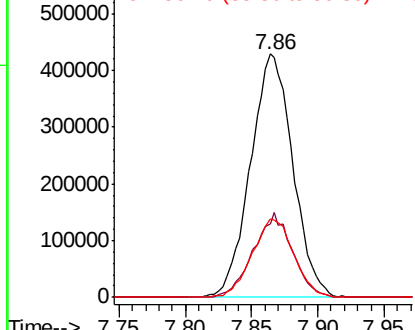
#44
2,2,4-Trimethylpentane
Concen: 2.033 ppbv
RT: 7.86 min Scan# 1579
Delta R.T. -0.01 min
Lab File: VL035097.D
Acq: 19 Jun 2020 16:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 57 Resp: 955691
Ion Ratio Lower Upper
57 100
41 32.4 26.2 39.2
56 31.7 25.4 38.2

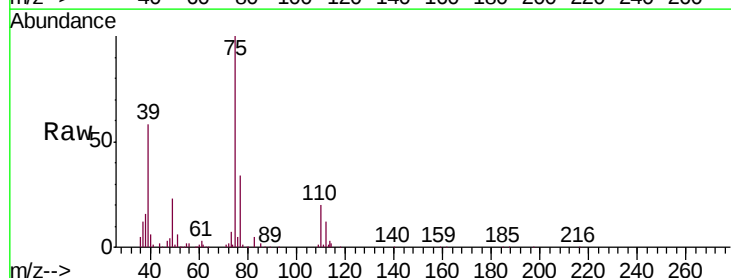


Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

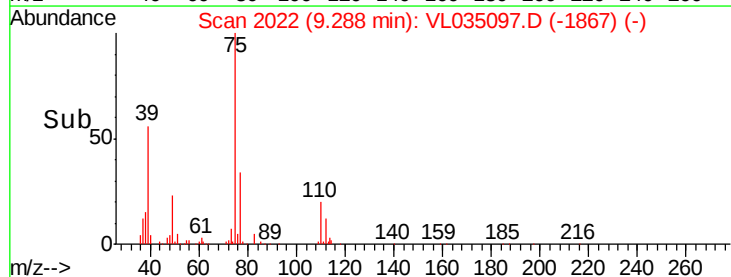
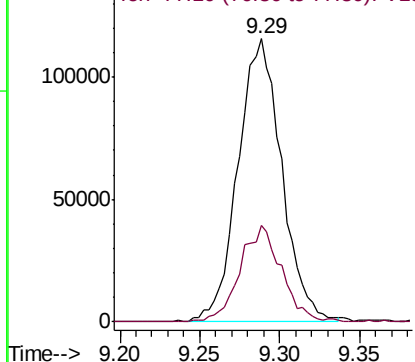


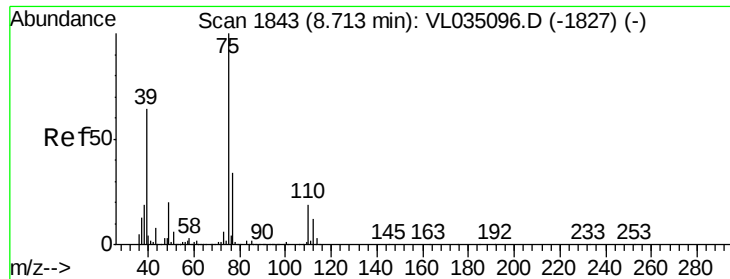
#45
t-1,3-Dichloropropene
Concen: 1.917 ppbv
RT: 9.29 min Scan# 2022
Delta R.T. -0.00 min
Lab File: VL035097.D
Acq: 19 Jun 2020 16:34

Tgt Ion: 75 Resp: 214892
Ion Ratio Lower Upper
75 100
77 34.3 25.5 38.3



Abundance Ion 75.10 (74.80 to 75.80): VL0
Ion 77.10 (76.80 to 77.80): VL0



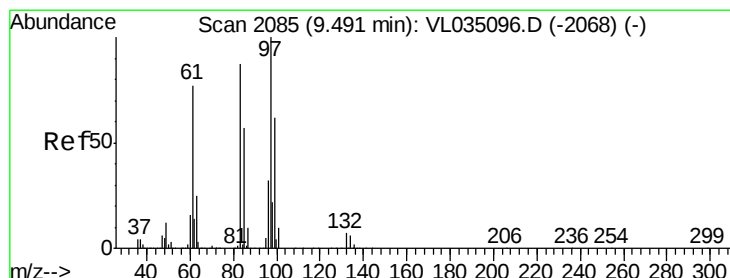
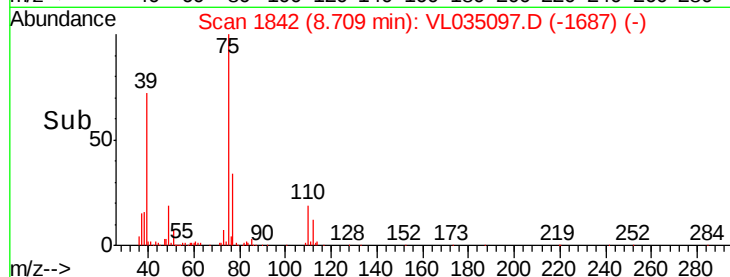
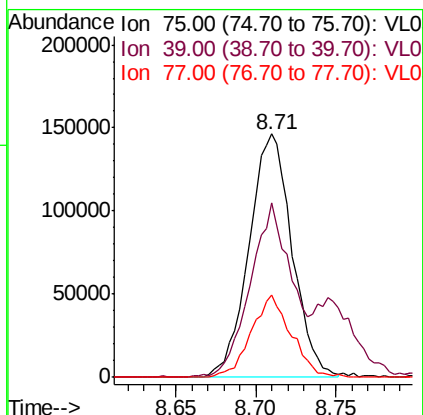
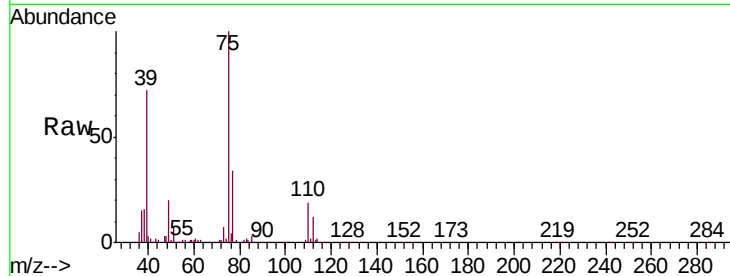


#46

cis-1,3-Dichloropropene
 Concen: 1.961 ppbv
 RT: 8.71 min Scan# 1842
 Delta R.T. -0.00 min
 Lab File: VL035097.D
 Acq: 19 Jun 2020 16:34

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

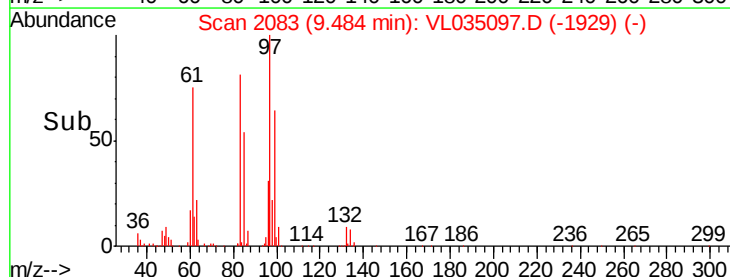
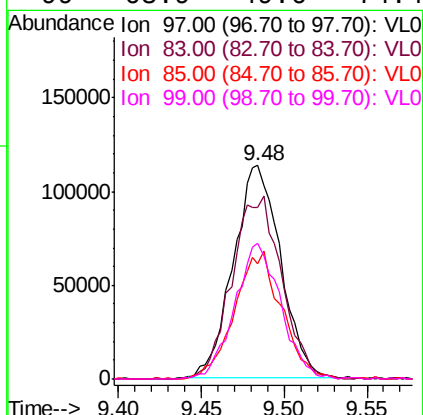
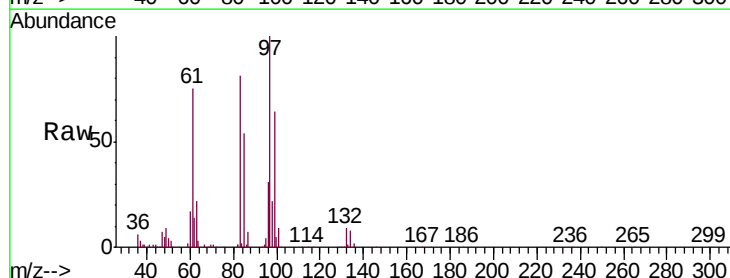
Tgt Ion:	75	Resp:	270322
Ion	Ratio	Lower	Upper
75	100		
39	71.8	51.1	76.7
77	33.9	26.9	40.3

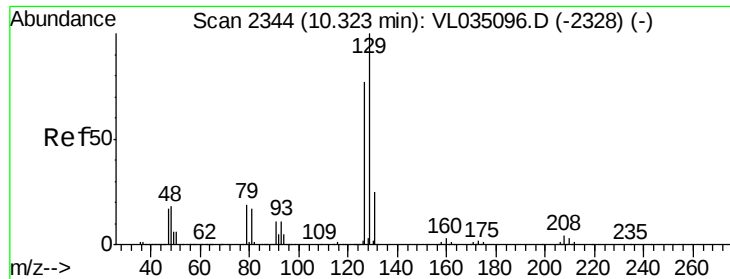


#47

1,1,2-Trichloroethane
 Concen: 2.002 ppbv
 RT: 9.48 min Scan# 2083
 Delta R.T. -0.01 min
 Lab File: VL035097.D
 Acq: 19 Jun 2020 16:34

Tgt Ion:	97	Resp:	224792
Ion	Ratio	Lower	Upper
97	100		
83	80.3	69.5	104.3
85	54.2	46.0	69.0
99	63.9	49.6	74.4





#48

Dibromochloromethane

Concen: 1.992 ppbv

RT: 10.32 min Scan# 2342

Delta R.T. -0.01 min

Lab File: VL035097.D

Acq: 19 Jun 2020 16:34

Instrument :

MSVOA_L

ClientSampleId :

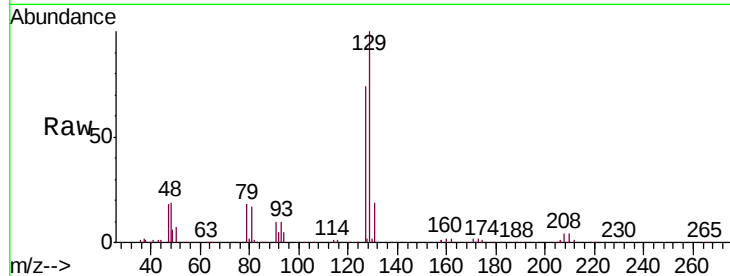
VSTDIC002

Tgt Ion:129 Resp: 343259

Ion Ratio Lower Upper

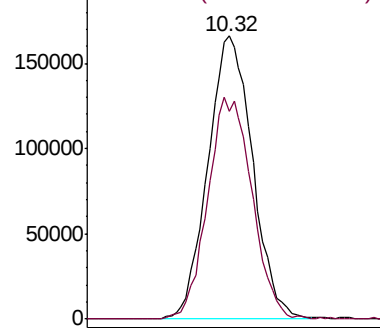
129 100

127 78.0 39.3 117.8

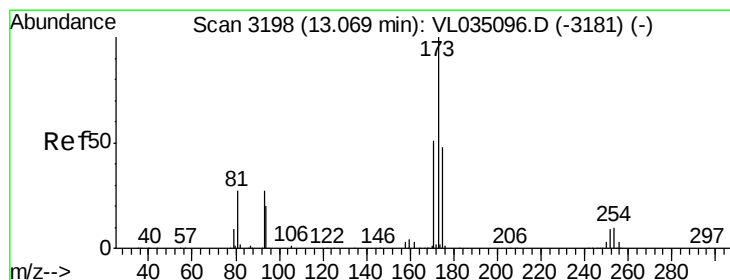
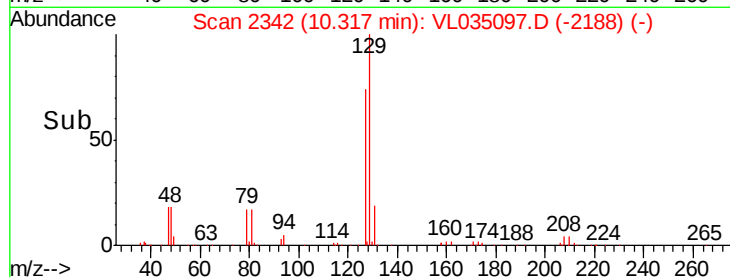


Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



Time-->



#49

Bromoform

Concen: 1.976 ppbv

RT: 13.07 min Scan# 3197

Delta R.T. -0.00 min

Lab File: VL035097.D

Acq: 19 Jun 2020 16:34

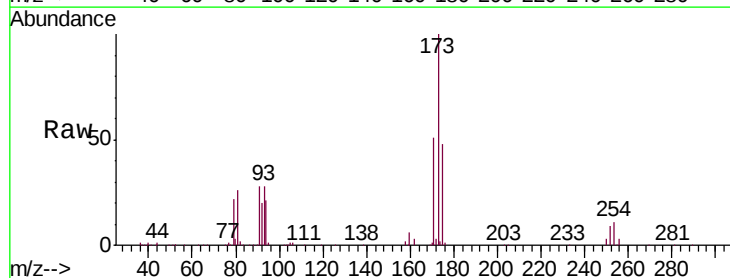
Tgt Ion:173 Resp: 291913

Ion Ratio Lower Upper

173 100

175 49.0 39.1 58.7

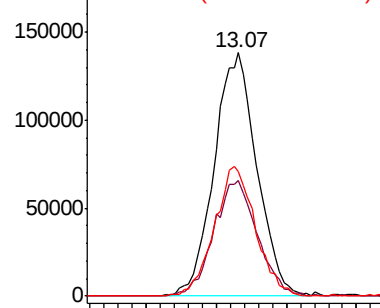
171 51.3 41.7 62.5



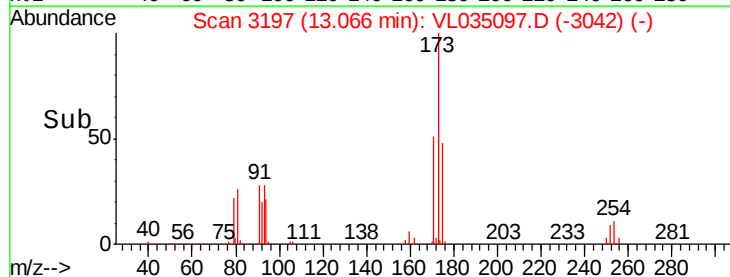
Abundance Ion 172.90 (172.60 to 173.60): V

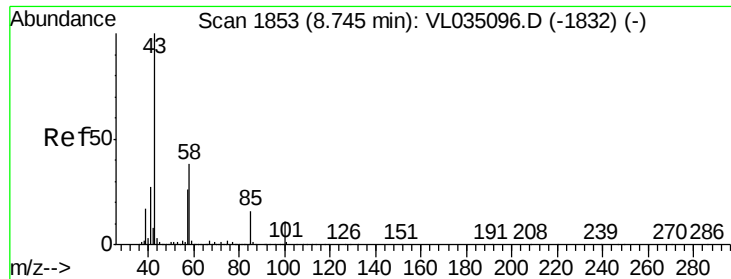
Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



Time-->

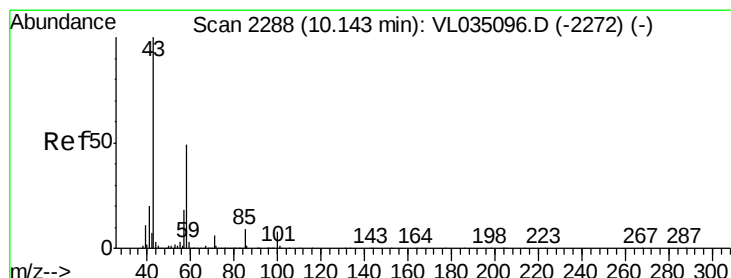
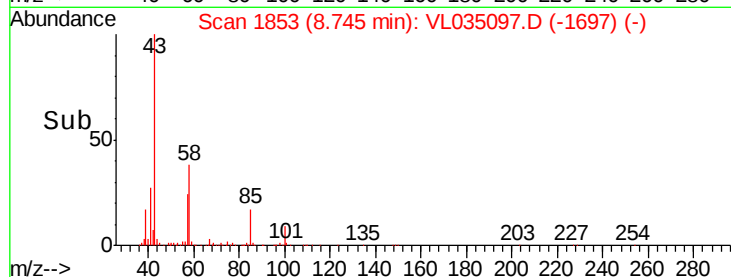
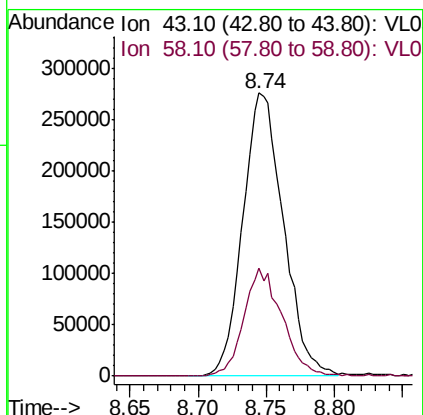
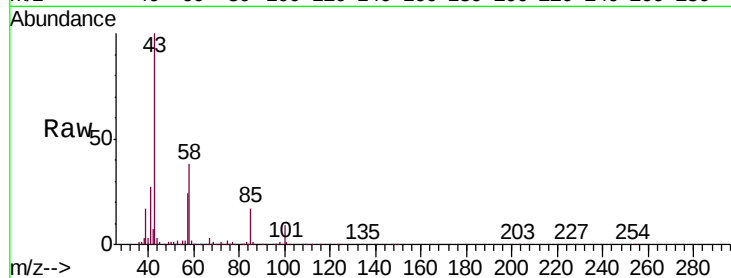




#50
 4-Methyl-2-Pentanone
 Concen: 2.025 ppbv
 RT: 8.74 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VL035097.D
 Acq: 19 Jun 2020 16:34

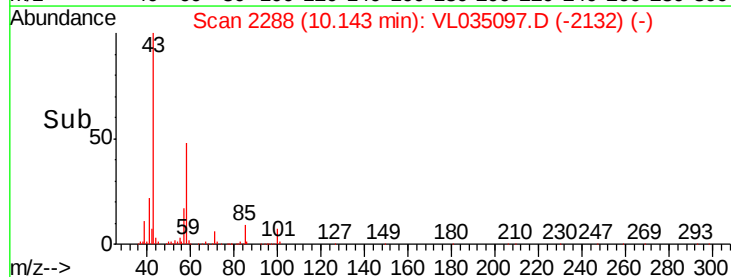
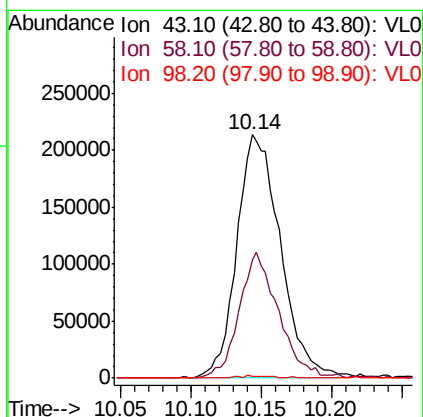
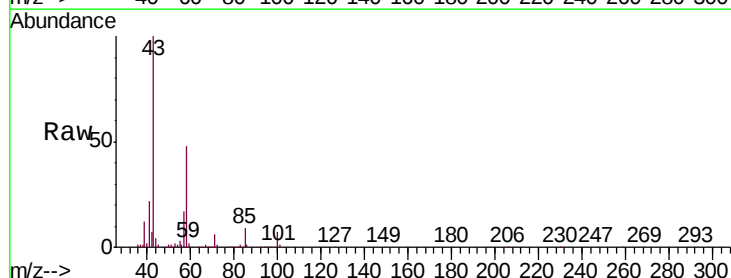
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

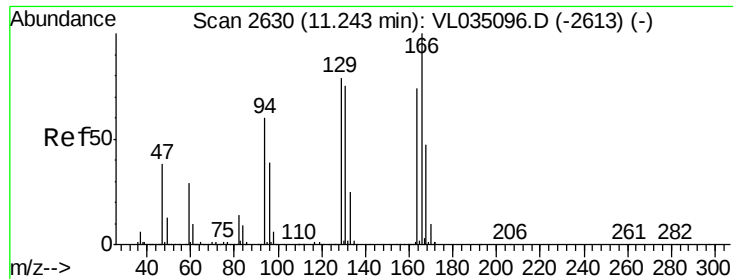
Tgt Ion: 43 Resp: 572923
 Ion Ratio Lower Upper
 43 100
 58 35.9 29.4 44.0



#51
 2-Hexanone
 Concen: 2.095 ppbv
 RT: 10.14 min Scan# 2288
 Delta R.T. 0.00 min
 Lab File: VL035097.D
 Acq: 19 Jun 2020 16:34

Tgt Ion: 43 Resp: 462471
 Ion Ratio Lower Upper
 43 100
 58 47.2 39.2 58.8
 98 0.9 0.3 0.5#





#52

Tetrachloroethene

Concen: 1.061 ppbv

RT: 11.24 min Scan# 2628

Delta R.T. -0.01 min

Lab File: VL035097.D

Acq: 19 Jun 2020 16:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tgt Ion:164 Resp: 100165

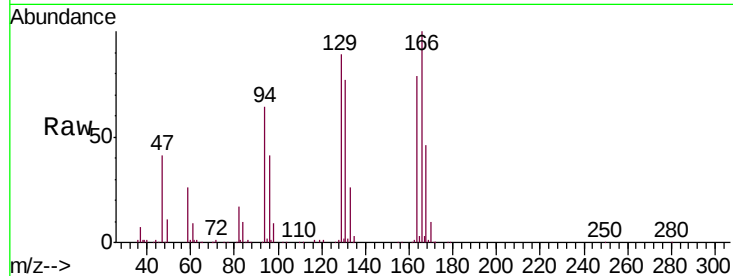
Ion Ratio Lower Upper

164 100

166 127.1 107.5 161.3

129 113.7 84.9 127.3

131 98.4 81.1 121.7

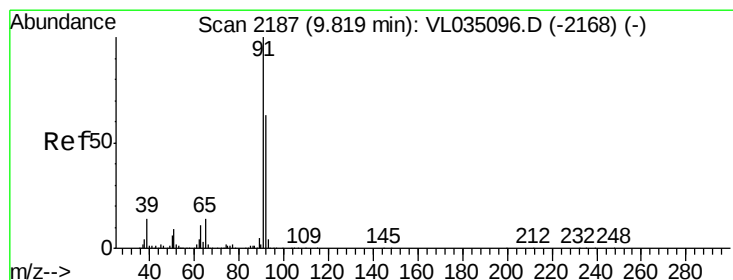
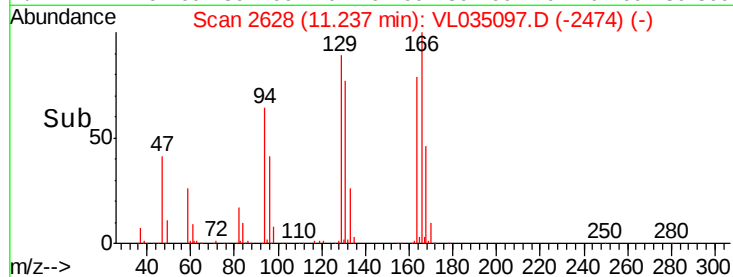
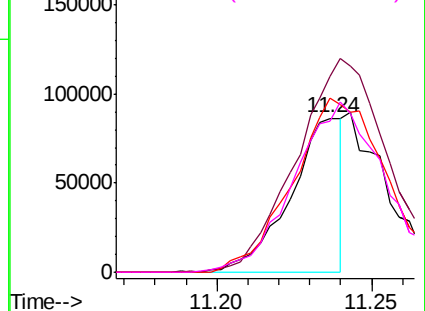


Abundance Ion 163.90 (163.60 to 164.60): V

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: 2.110 ppbv

RT: 9.81 min Scan# 2185

Delta R.T. -0.01 min

Lab File: VL035097.D

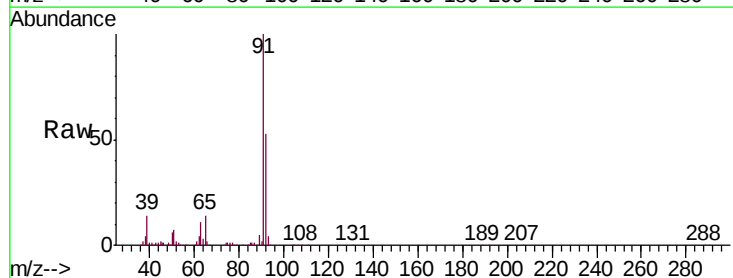
Acq: 19 Jun 2020 16:34

Tgt Ion: 91 Resp: 592290

Ion Ratio Lower Upper

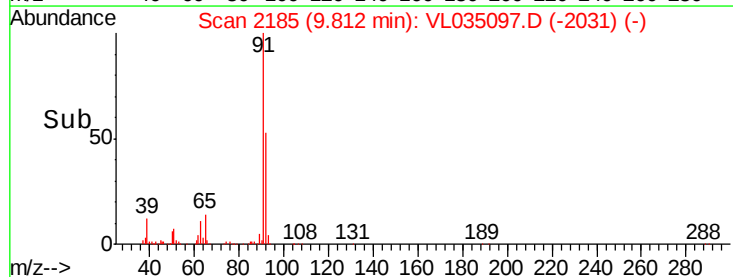
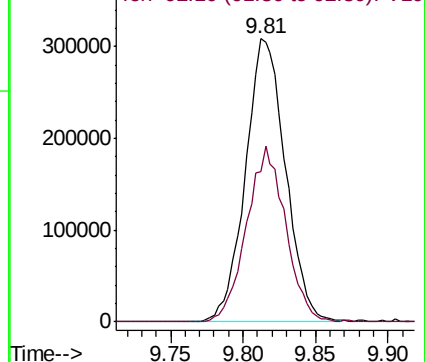
91 100

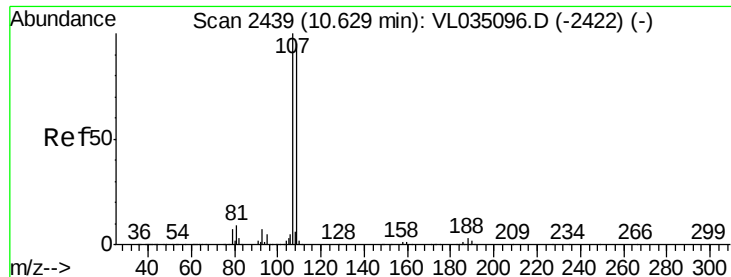
92 60.6 49.0 73.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0





#54

1,2-Dibromoethane

Concen: 2.030 ppbv

RT: 10.63 min Scan# 2438

Delta R.T. -0.00 min

Lab File: VL035097.D

Acq: 19 Jun 2020 16:34

Instrument :

MSVOA_L

ClientSampleId :

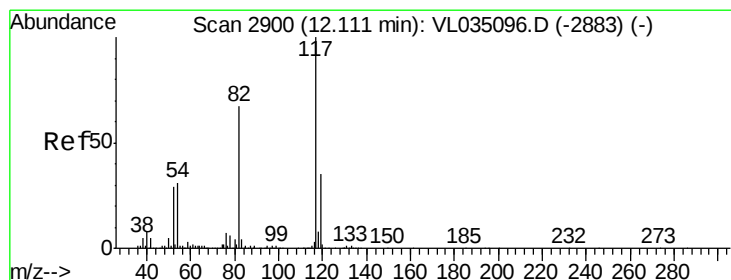
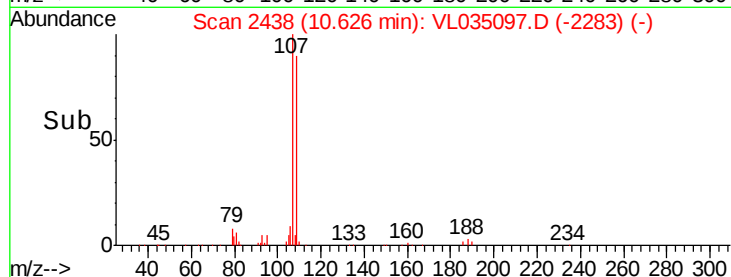
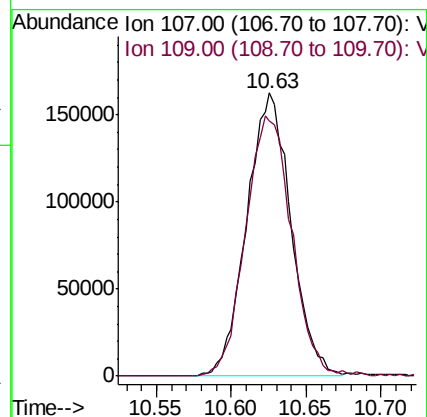
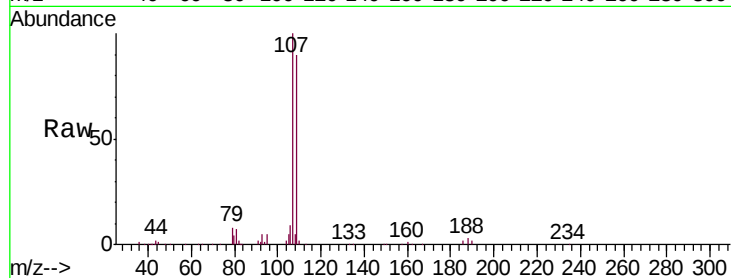
VSTDIC002

Tgt Ion:107 Resp: 334137

Ion Ratio Lower Upper

107 100

109 90.1 75.9 113.9



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.11 min Scan# 2899

Delta R.T. -0.00 min

Lab File: VL035097.D

Acq: 19 Jun 2020 16:34

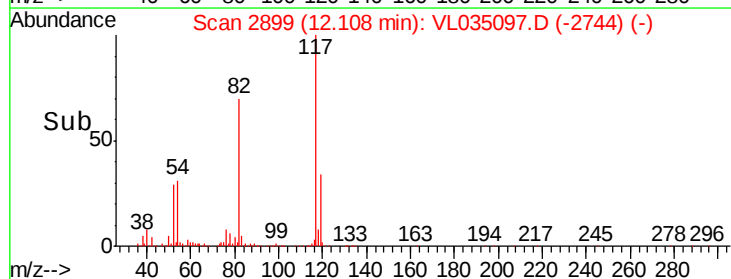
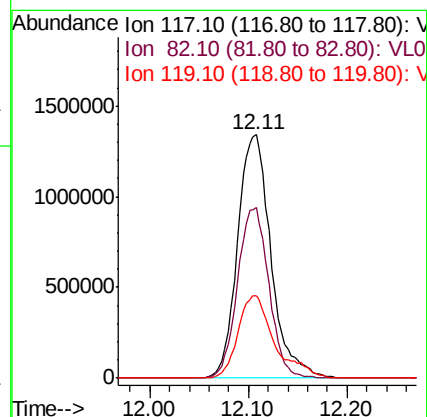
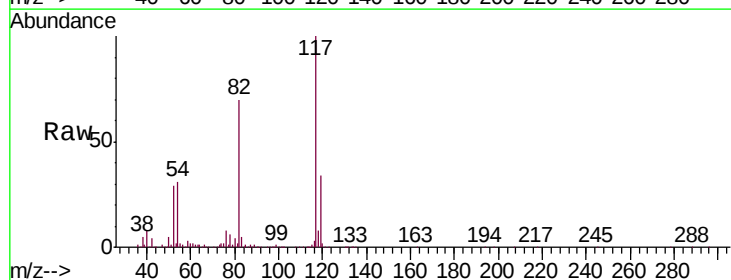
Tgt Ion:117 Resp: 3153304

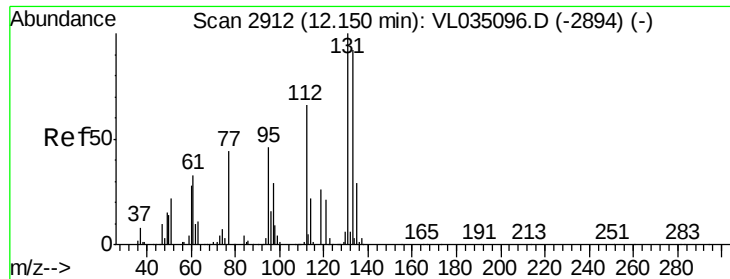
Ion Ratio Lower Upper

117 100

82 65.8 50.4 75.6

119 37.1 25.4 38.0





#56

1,1,1,2-Tetrachloroethane

Concen: 0.698 ppbv

RT: 12.15 min Scan# 2913

Delta R.T. 0.00 min

Lab File: VL035097.D

Acq: 19 Jun 2020 16:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

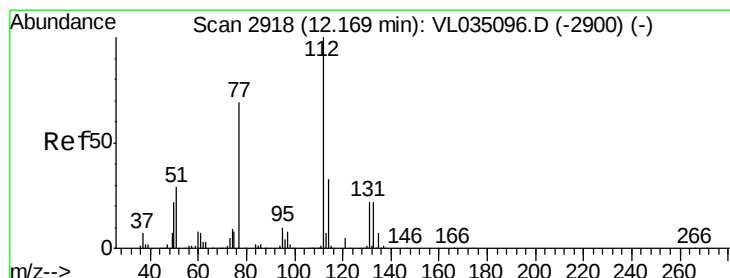
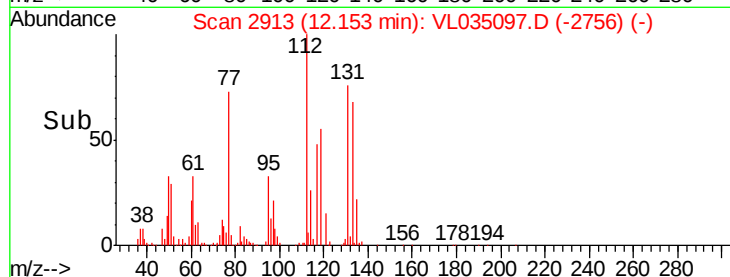
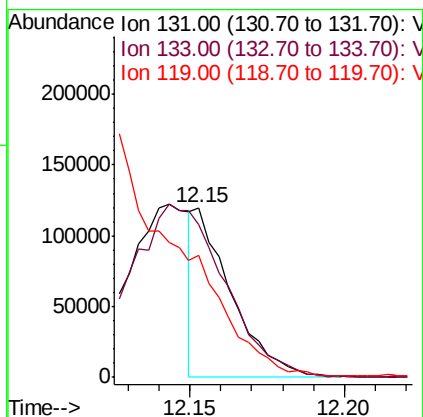
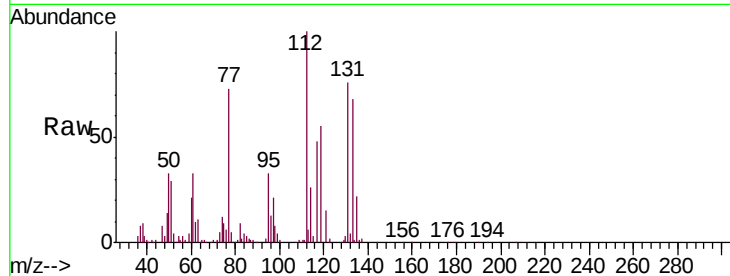
Tgt Ion:131 Resp: 98194

Ion Ratio Lower Upper

131 100

133 0.0 76.2 114.4#

119 0.0 114.6 172.0#



#57

Chlorobenzene

Concen: 1.992 ppbv

RT: 12.17 min Scan# 2918

Delta R.T. 0.00 min

Lab File: VL035097.D

Acq: 19 Jun 2020 16:34

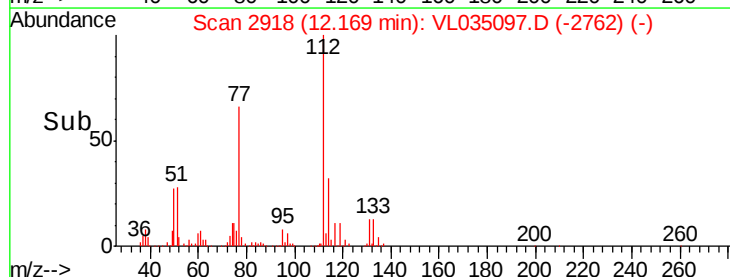
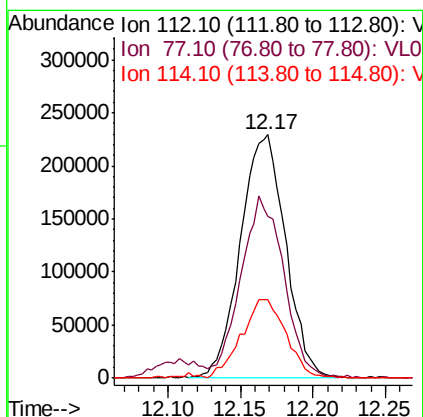
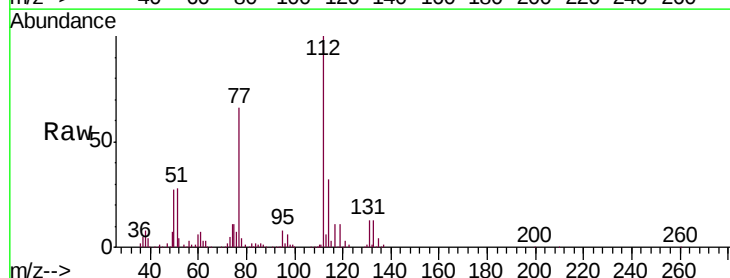
Tgt Ion:112 Resp: 493143

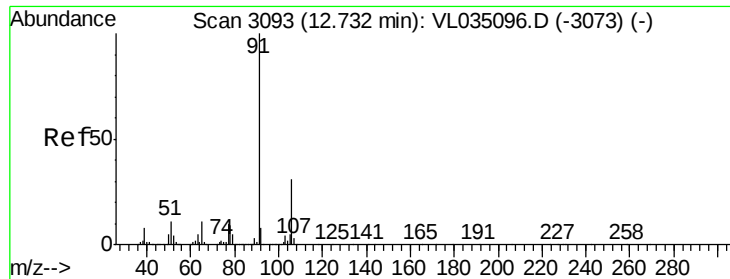
Ion Ratio Lower Upper

112 100

77 66.1 56.7 85.1

114 32.1 29.3 35.9





#58

Ethyl Benzene

Concen: 2.100 ppbv

RT: 12.73 min Scan# 3093

Delta R.T. 0.00 min

Lab File: VL035097.D

Acq: 19 Jun 2020 16:34

Instrument :

MSVOA_L

ClientSampleId :

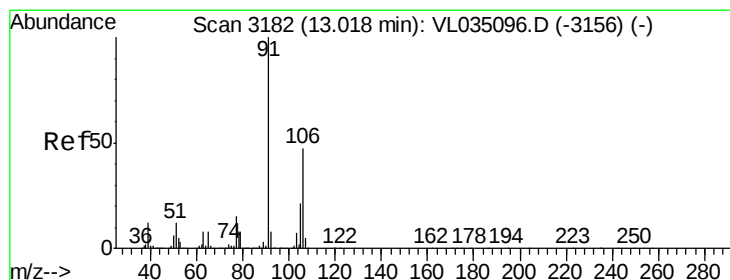
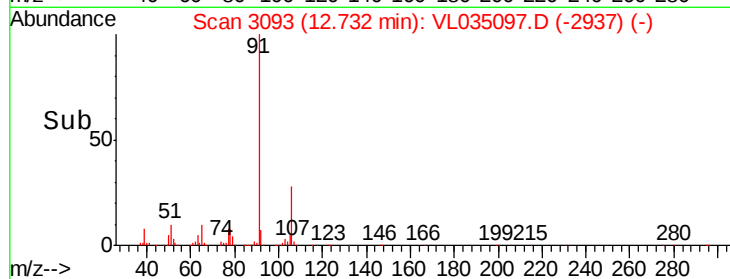
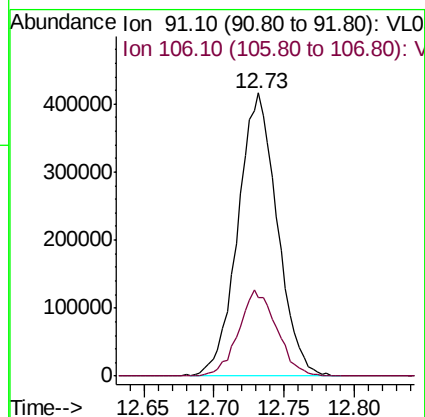
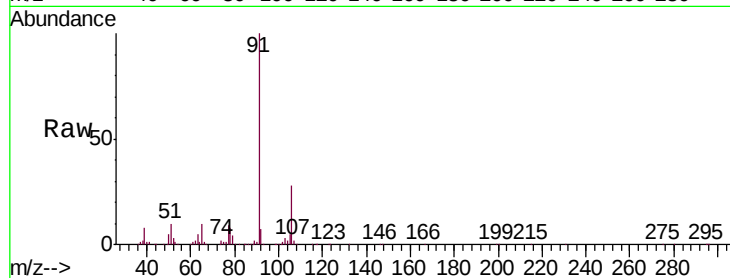
VSTDIC002

Tgt Ion: 91 Resp: 806240

Ion Ratio Lower Upper

91 100

106 27.8 25.0 37.6



#59

m/p-Xylene

Concen: 1.900 ppbv

RT: 13.01 min Scan# 3181

Delta R.T. -0.00 min

Lab File: VL035097.D

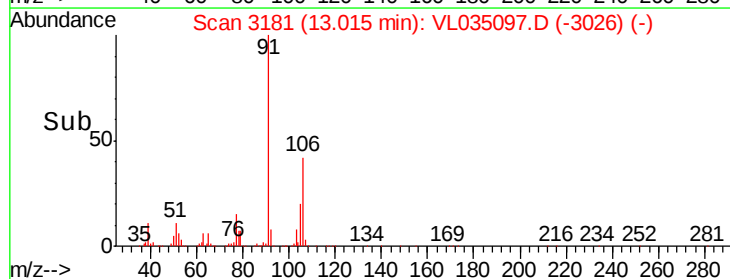
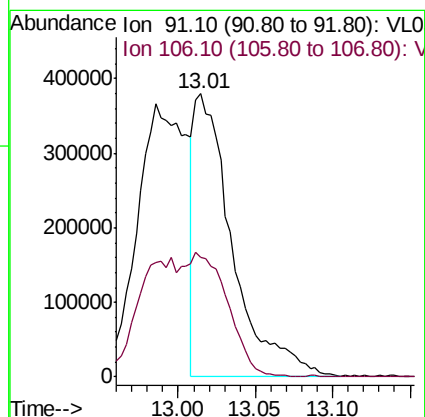
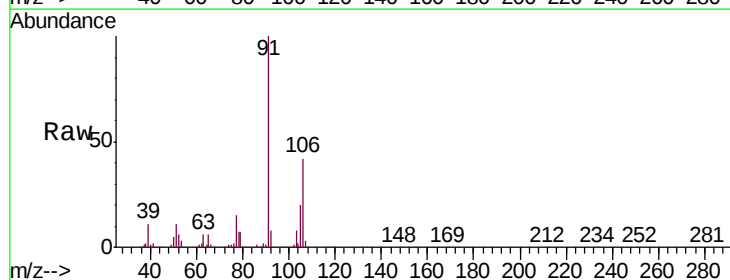
Acq: 19 Jun 2020 16:34

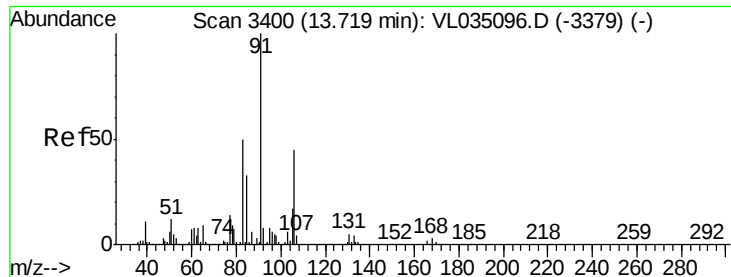
Tgt Ion: 91 Resp: 643230

Ion Ratio Lower Upper

91 100

106 96.3 36.5 54.7#

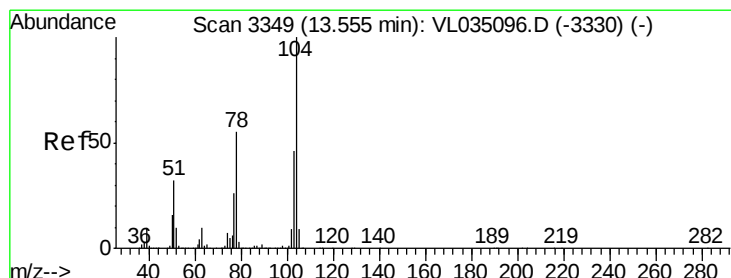
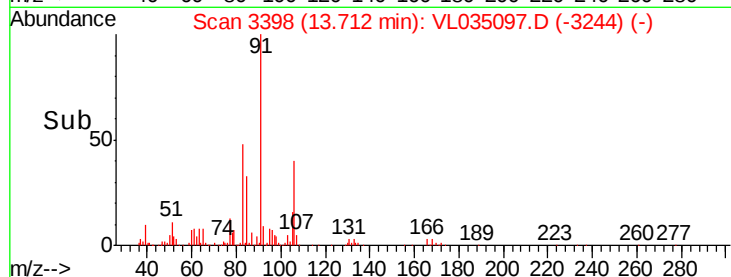
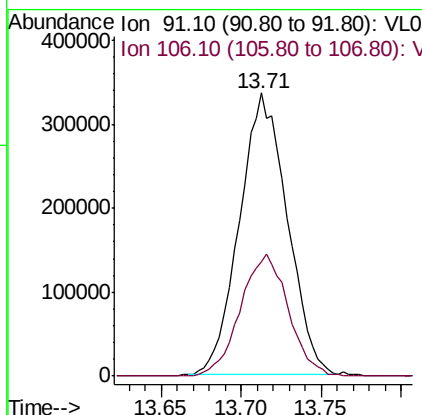
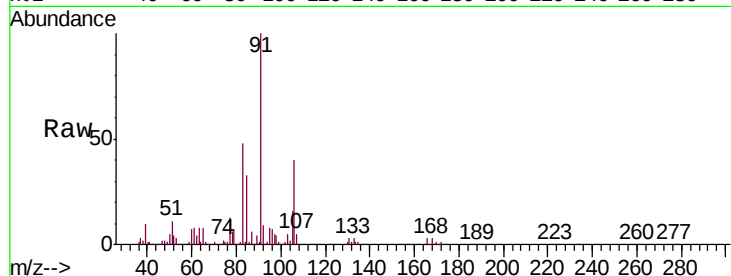




#60
o-Xylene
Concen: 2.043 ppbv
RT: 13.71 min Scan# 3398
Delta R.T. -0.01 min
Lab File: VL035097.D
Acq: 19 Jun 2020 16:34

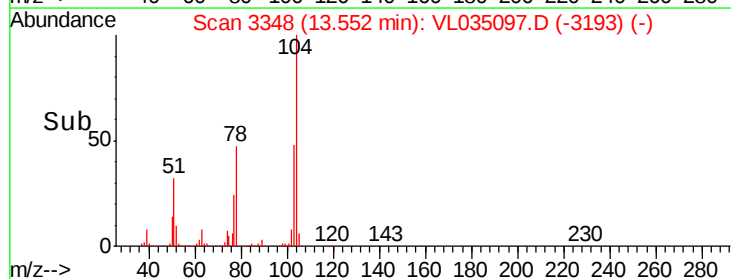
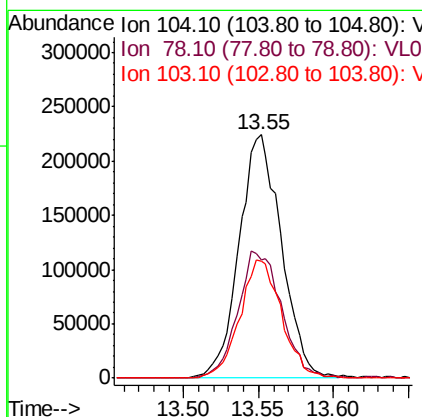
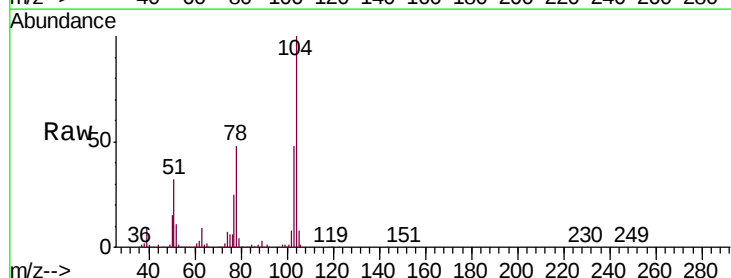
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

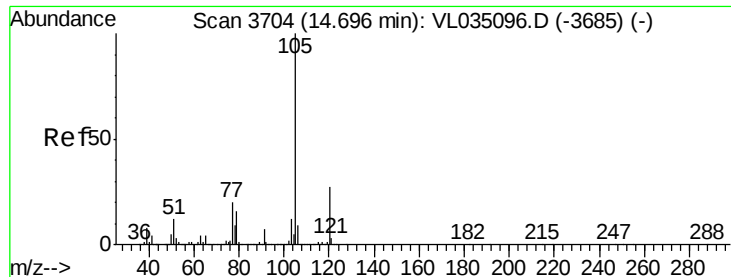
Tgt Ion: 91 Resp: 682976
Ion Ratio Lower Upper
91 100
106 43.8 22.1 66.5



#61
Styrene
Concen: 2.086 ppbv
RT: 13.55 min Scan# 3348
Delta R.T. -0.00 min
Lab File: VL035097.D
Acq: 19 Jun 2020 16:34

Tgt Ion: 104 Resp: 439875
Ion Ratio Lower Upper
104 100
78 53.9 43.4 65.0
103 48.2 38.3 57.5





#62

Isopropylbenzene

Concen: 2.087 ppbv

RT: 14.69 min Scan# 3703

Delta R.T. -0.00 min

Lab File: VL035097.D

Acq: 19 Jun 2020 16:34

Instrument :

MSVOA_L

ClientSampleId :

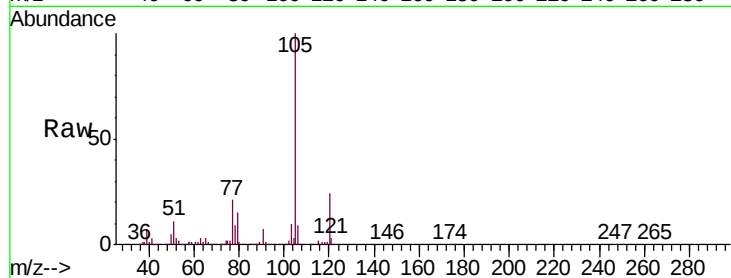
VSTDIC002

Tgt Ion:105 Resp: 1039560

Ion Ratio Lower Upper

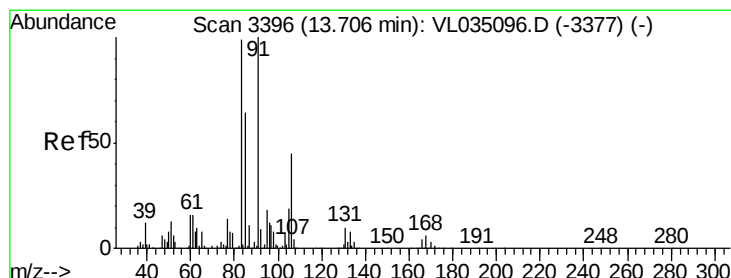
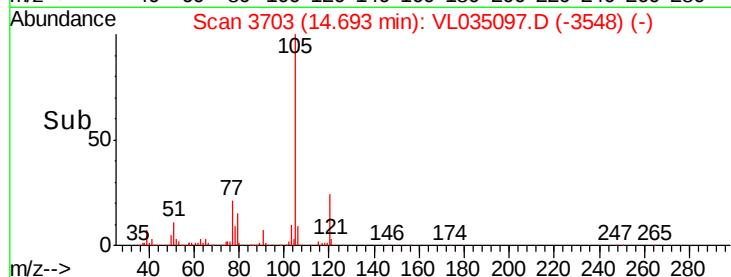
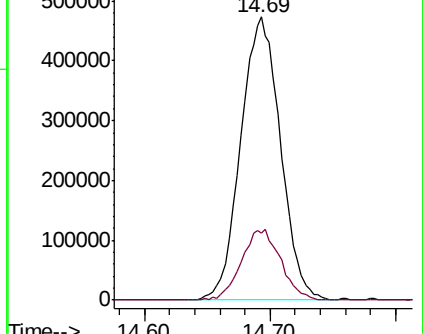
105 100

120 24.7 20.8 31.2



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: 1.985 ppbv

RT: 13.70 min Scan# 3393

Delta R.T. -0.01 min

Lab File: VL035097.D

Acq: 19 Jun 2020 16:34

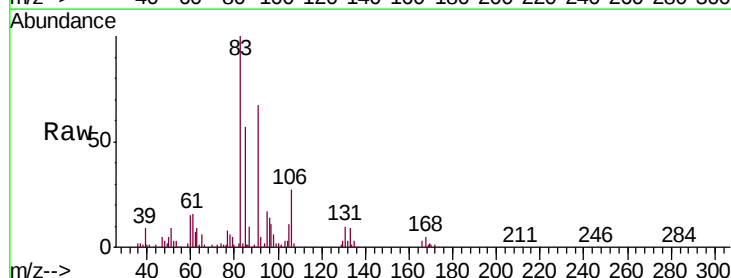
Tgt Ion: 83 Resp: 524616

Ion Ratio Lower Upper

83 100

131 8.9 4.7 14.0

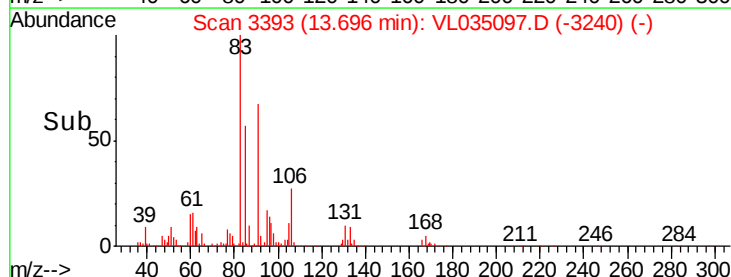
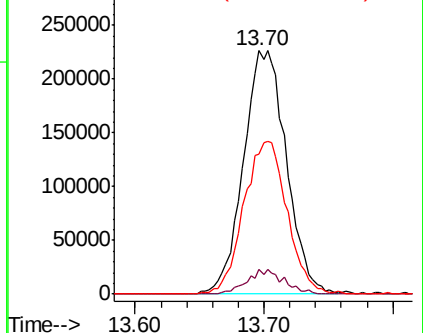
85 63.5 32.4 97.0

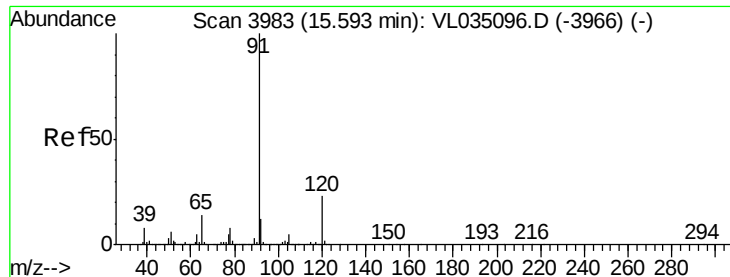


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0

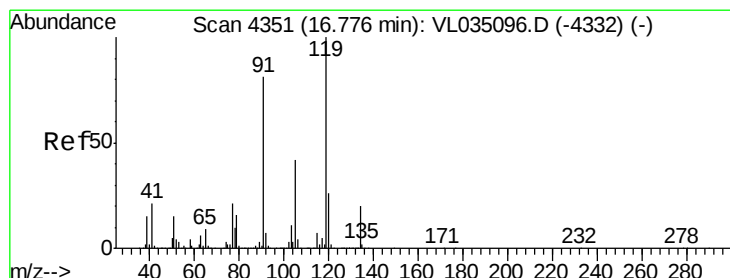
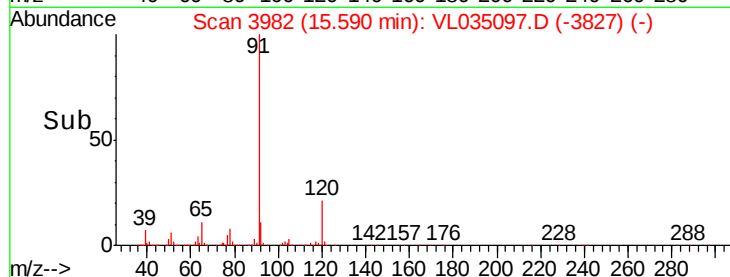
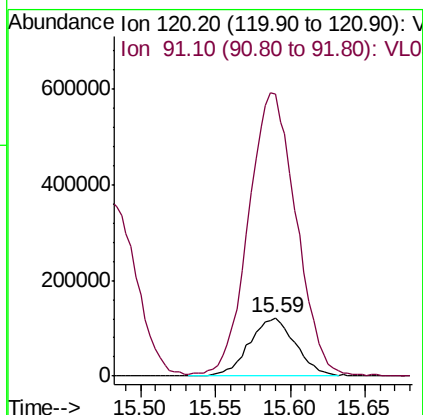
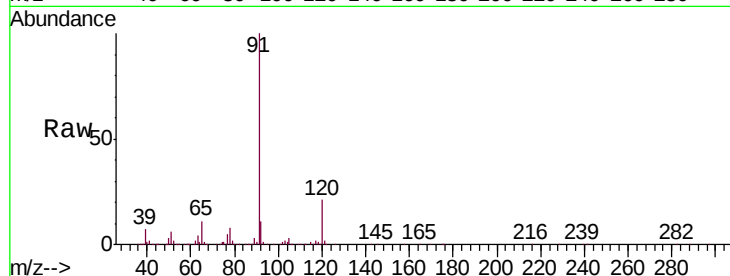




#64
n-propylbenzene
Concen: 2.044 ppbv
RT: 15.59 min Scan# 3982
Delta R.T. -0.00 min
Lab File: VL035097.D
Acq: 19 Jun 2020 16:34

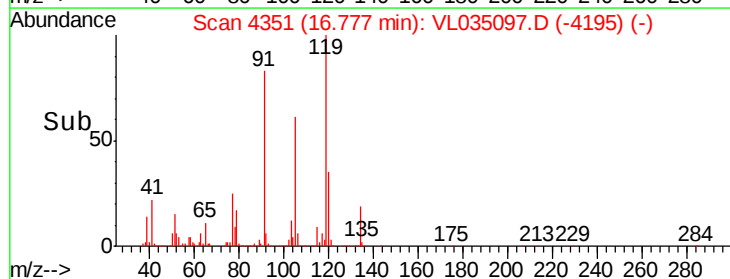
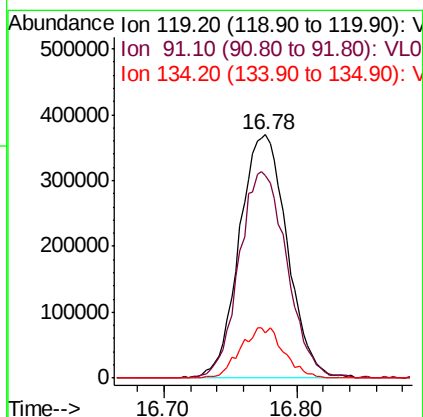
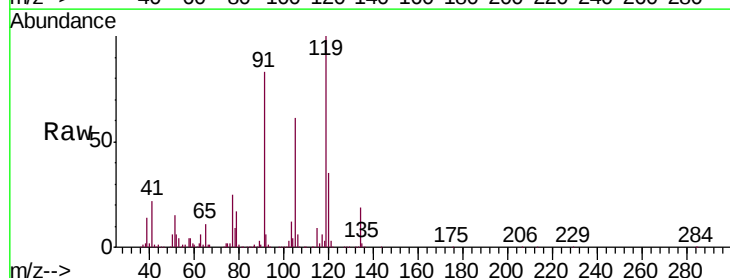
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

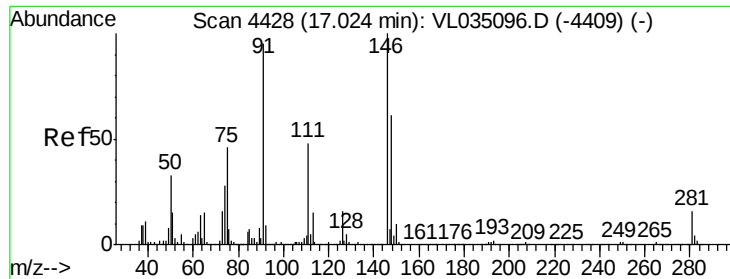
Tgt Ion:120 Resp: 261682
Ion Ratio Lower Upper
120 100
91 502.7 367.9 551.9



#65
tert-Butylbenzene
Concen: 2.123 ppbv
RT: 16.78 min Scan# 4351
Delta R.T. 0.00 min
Lab File: VL035097.D
Acq: 19 Jun 2020 16:34

Tgt Ion:119 Resp: 919865
Ion Ratio Lower Upper
119 100
91 86.2 67.6 101.4
134 19.0 15.7 23.5

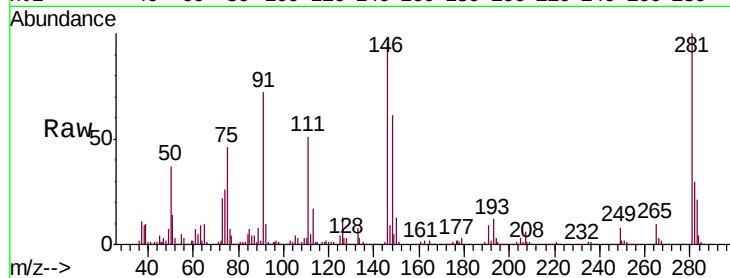




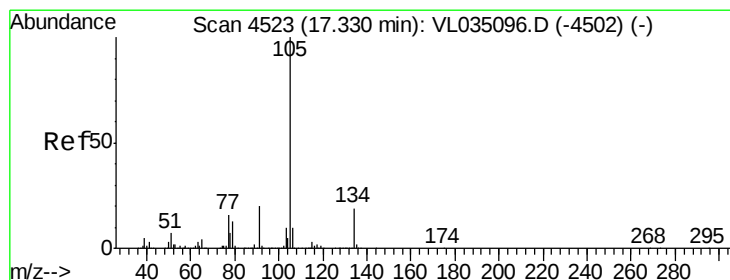
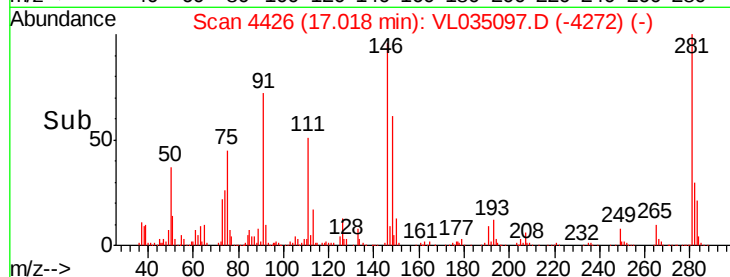
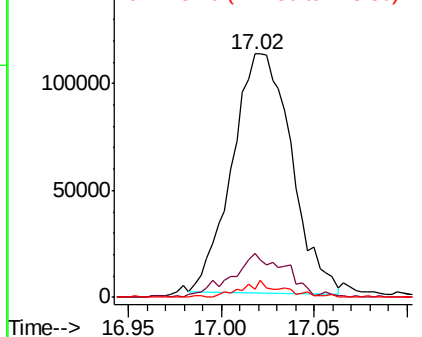
#66
Benzyl Chloride
Concen: 1.734 ppbv
RT: 17.02 min Scan# 4426
Delta R.T. -0.01 min
Lab File: VL035097.D
Acq: 19 Jun 2020 16:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion: 91 Resp: 249081
Ion Ratio Lower Upper
91 100
126 17.7 13.5 20.3
128 4.9 4.3 6.5

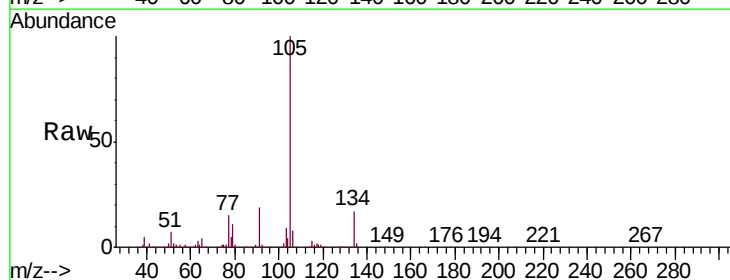


Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 126.10 (125.80 to 126.80): V
Ion 128.10 (127.80 to 128.80): V

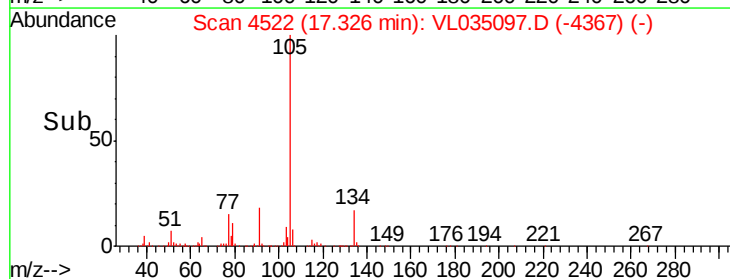
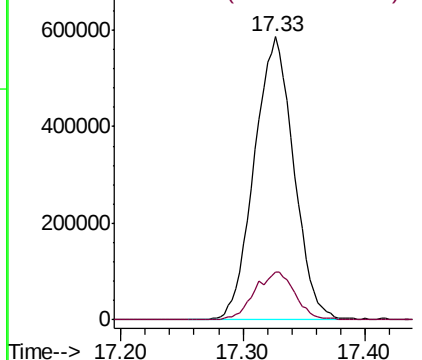


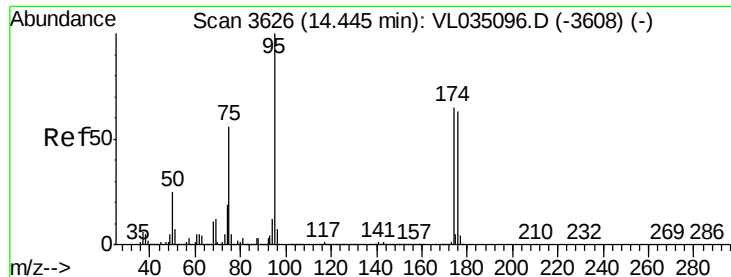
#67
sec-Butylbenzene
Concen: 2.126 ppbv
RT: 17.33 min Scan# 4522
Delta R.T. -0.00 min
Lab File: VL035097.D
Acq: 19 Jun 2020 16:34

Tgt Ion: 105 Resp: 1312621
Ion Ratio Lower Upper
105 100
134 17.4 14.7 22.1



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: 10.027 ppbv

RT: 14.44 min Scan# 3625

Delta R.T. -0.00 min

Lab File: VL035097.D

Acq: 19 Jun 2020 16:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

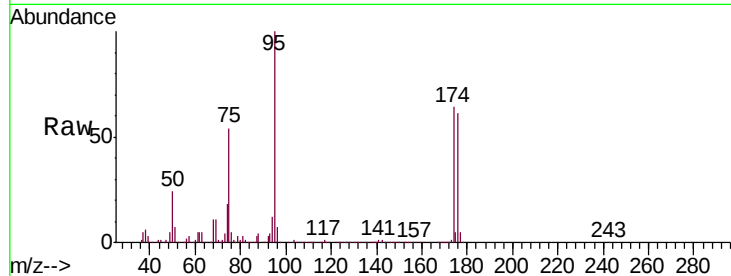
Tgt Ion: 95 Resp: 2549183

Ion Ratio Lower Upper

95 100

174 65.2 52.2 78.2

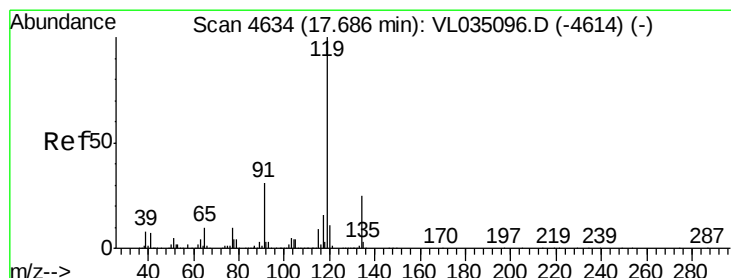
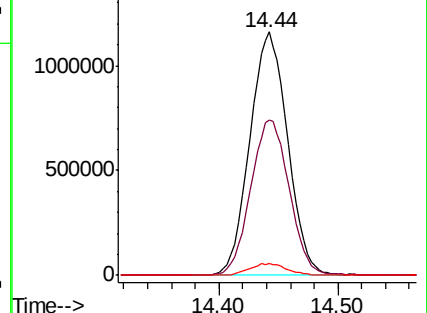
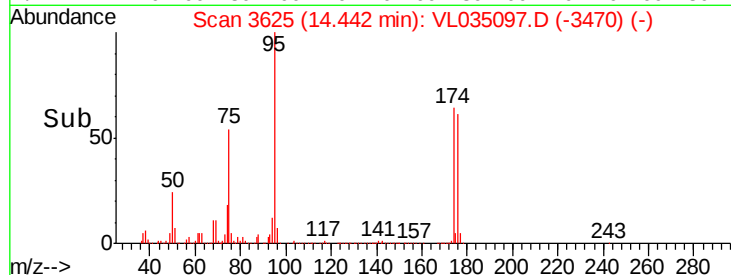
175 4.9 4.0 6.0



Abundance Ion 95.10 (94.80 to 95.80): VL035096.D (-3608) (-)

Ion 174.00 (173.70 to 174.70): VL035096.D (-3608) (-)

Ion 175.00 (174.70 to 175.70): VL035096.D (-3608) (-)



#69

p-Isopropyltoluene

Concen: 1.164 ppbv

RT: 17.68 min Scan# 4633

Delta R.T. -0.00 min

Lab File: VL035097.D

Acq: 19 Jun 2020 16:34

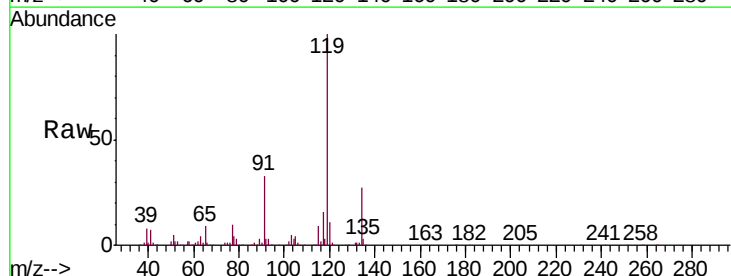
Tgt Ion: 119 Resp: 581284

Ion Ratio Lower Upper

119 100

134 46.0 20.4 30.6#

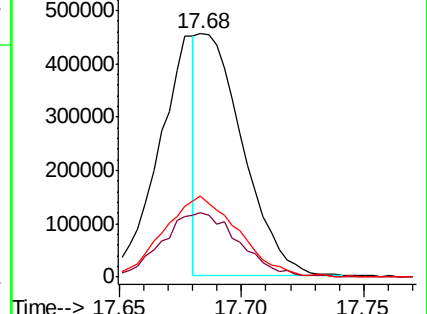
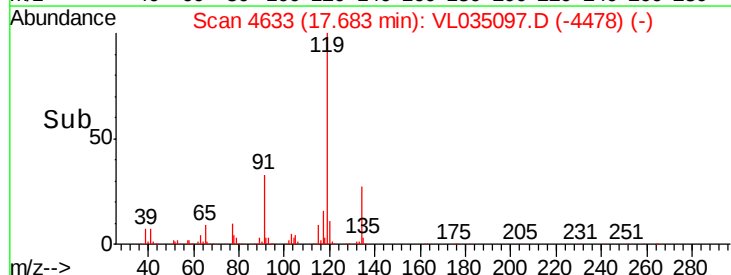
91 57.2 24.5 36.7#

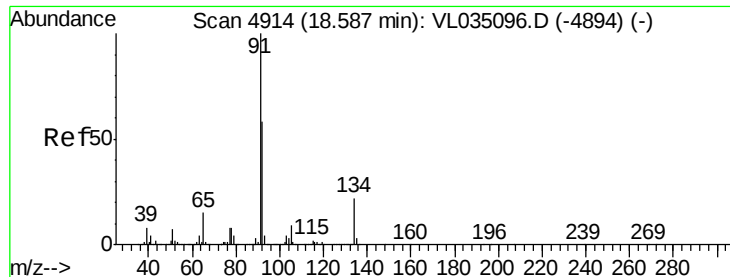


Abundance Ion 119.10 (118.80 to 119.80): VL035096.D (-4614) (-)

Ion 134.20 (133.90 to 134.90): VL035096.D (-4614) (-)

Ion 91.10 (90.80 to 91.80): VL035096.D (-4614) (-)





#70

n-Butylbenzene

Concen: 2.176 ppbv

RT: 18.58 min Scan# 4913

Delta R.T. -0.00 min

Lab File: VL035097.D

Acq: 19 Jun 2020 16:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

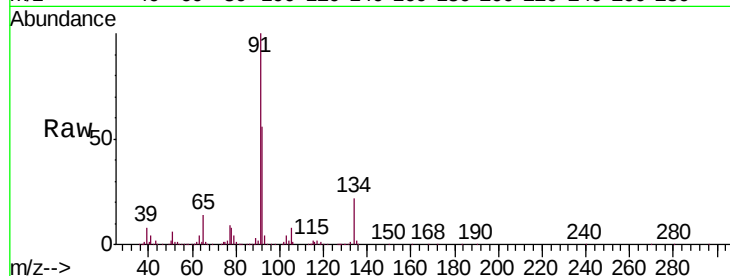
Tgt Ion: 91 Resp: 1154413

Ion Ratio Lower Upper

91 100

92 53.4 44.4 66.6

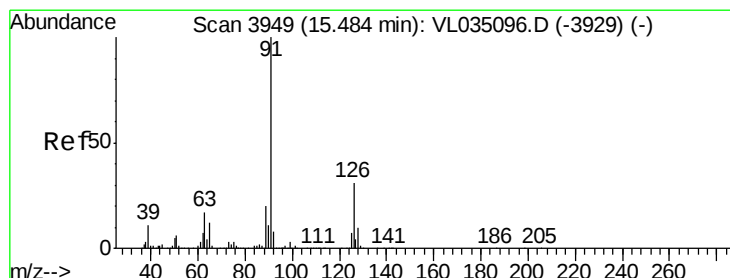
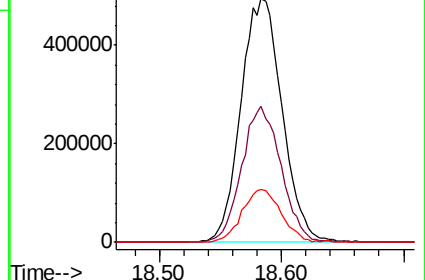
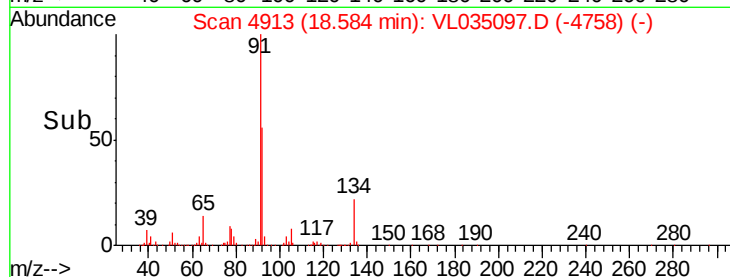
134 20.8 18.0 27.0



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: 2.121 ppbv

RT: 15.48 min Scan# 3948

Delta R.T. -0.00 min

Lab File: VL035097.D

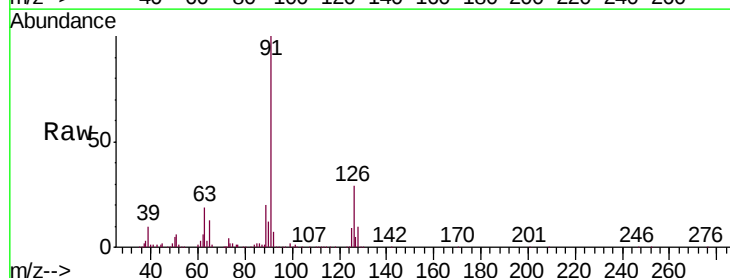
Acq: 19 Jun 2020 16:34

Tgt Ion: 91 Resp: 798426

Ion Ratio Lower Upper

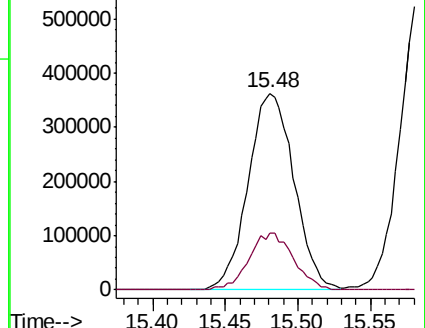
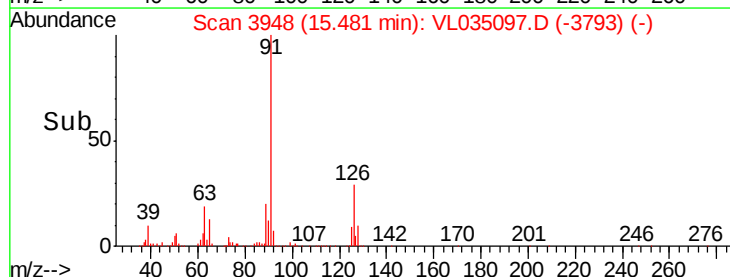
91 100

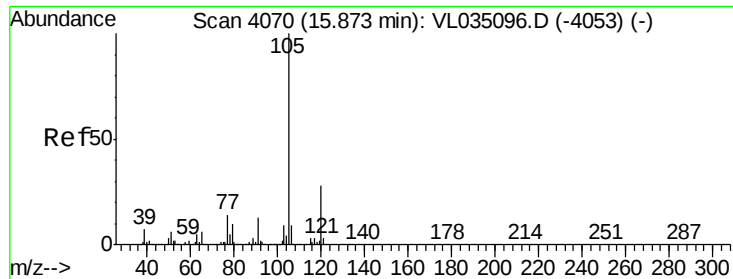
126 28.2 12.0 48.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V





#72

4-Ethyltoluene

Concen: 2.079 ppbv

RT: 15.87 min Scan# 4068

Delta R.T. -0.01 min

Lab File: VL035097.D

Acq: 19 Jun 2020 16:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tgt Ion:105 Resp: 776122

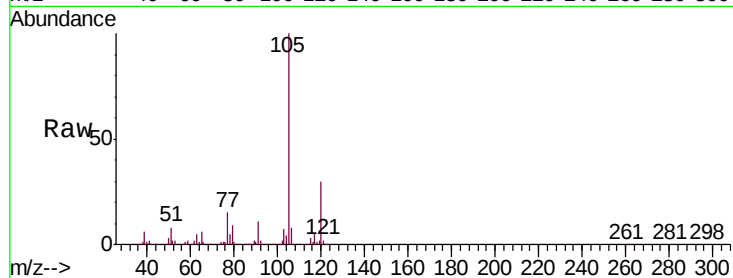
Ion Ratio Lower Upper

105 100

120 28.5 23.4 35.0

91 13.5 10.6 16.0

77 15.0 11.3 16.9

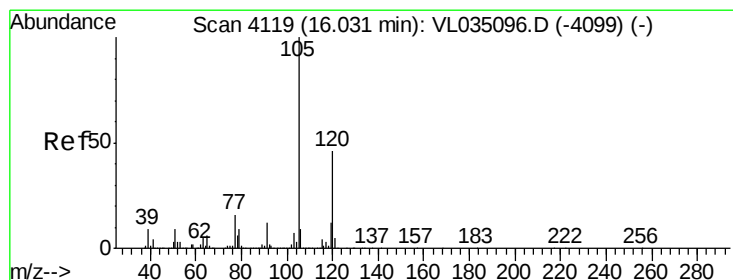
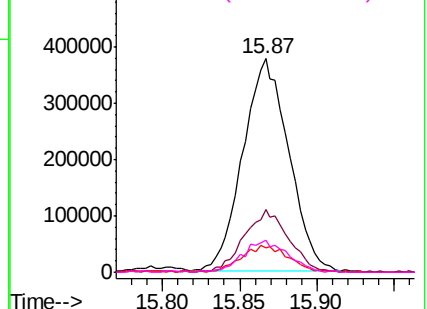
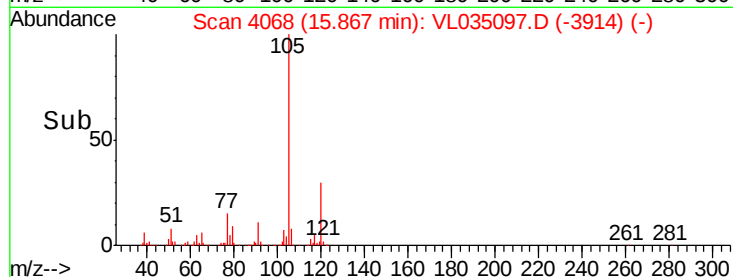


Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#73

1,3,5-Trimethylbenzene

Concen: 2.072 ppbv

RT: 16.02 min Scan# 4117

Delta R.T. -0.01 min

Lab File: VL035097.D

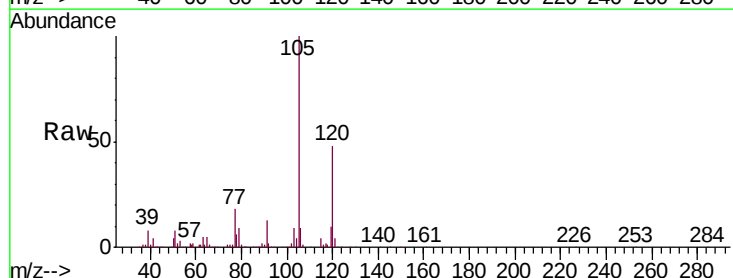
Acq: 19 Jun 2020 16:34

Tgt Ion:105 Resp: 750065

Ion Ratio Lower Upper

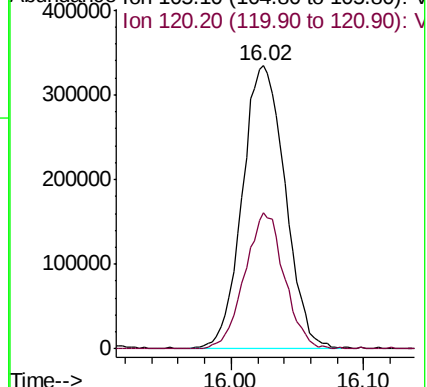
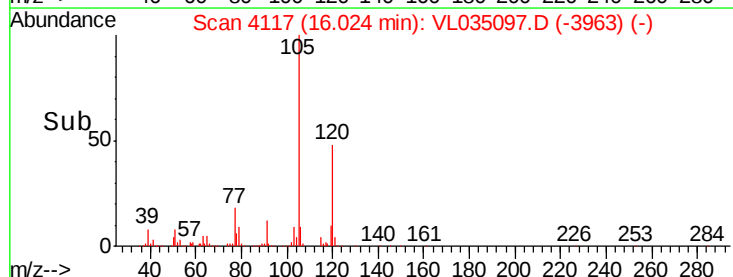
105 100

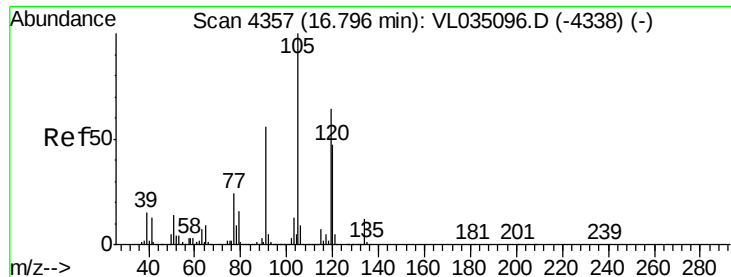
120 48.2 37.0 55.6



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: 2.132 ppbv

RT: 16.79 min Scan# 4355

Delta R.T. -0.01 min

Lab File: VL035097.D

Acq: 19 Jun 2020 16:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tgt Ion:105 Resp: 842533

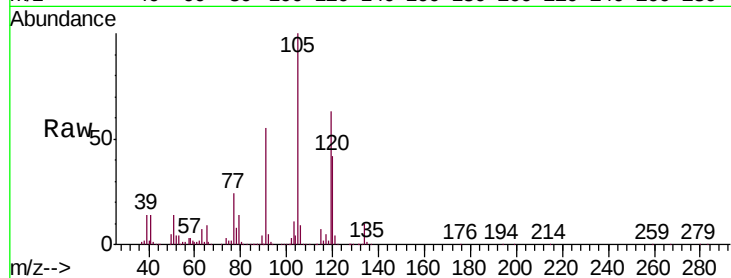
Ion Ratio Lower Upper

105 100

120 41.4 37.9 56.9

91 53.9 46.0 69.0

77 23.2 19.4 29.2



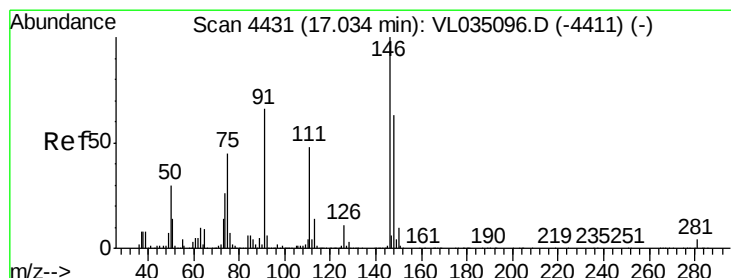
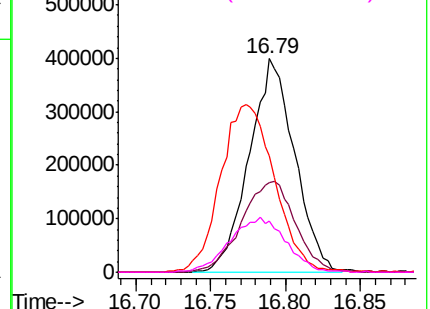
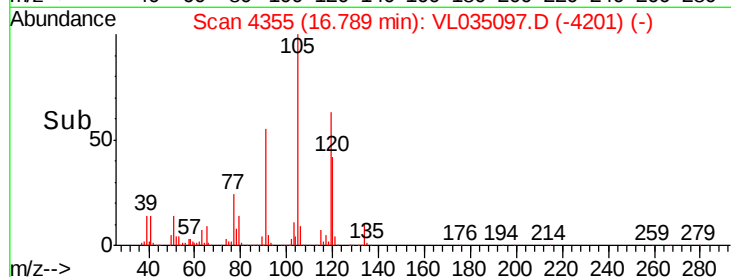
Abundance

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: 2.018 ppbv

RT: 17.02 min Scan# 4428

Delta R.T. -0.01 min

Lab File: VL035097.D

Acq: 19 Jun 2020 16:34

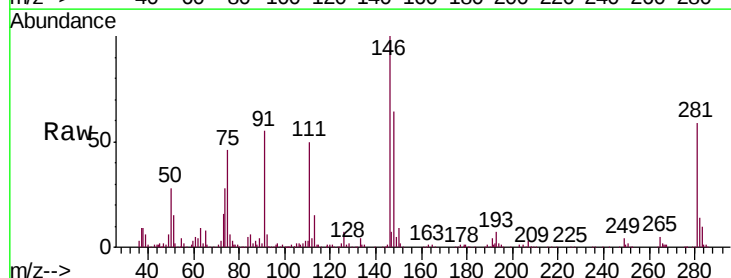
Tgt Ion:146 Resp: 470185

Ion Ratio Lower Upper

146 100

111 49.9 24.1 72.4

148 66.0 32.3 96.8

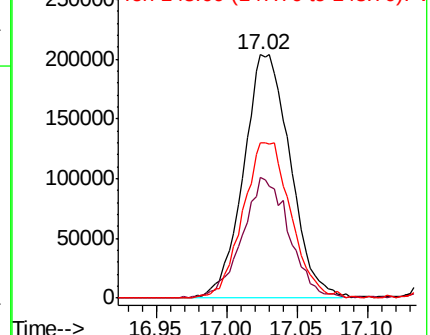
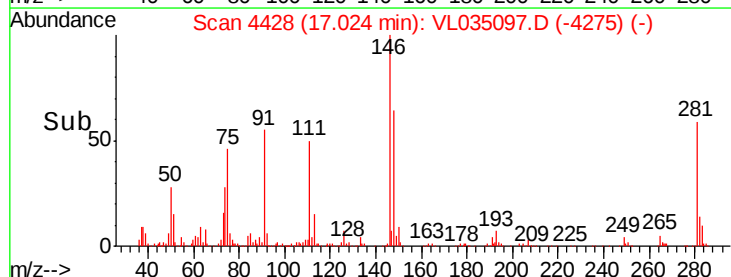


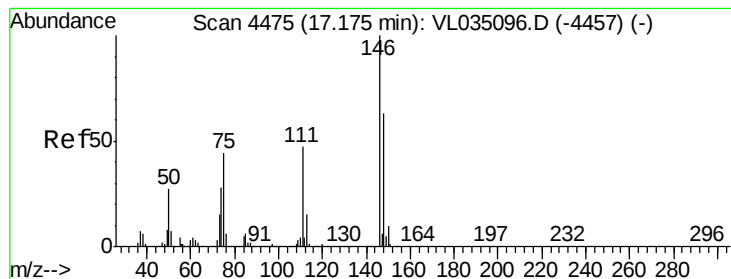
Abundance

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: 2.110 ppbv

RT: 17.17 min Scan# 4473

Delta R.T. -0.01 min

Lab File: VL035097.D

Acq: 19 Jun 2020 16:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

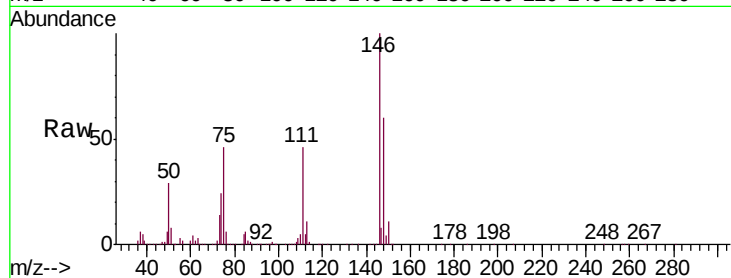
Tgt Ion:146 Resp: 466538

Ion Ratio Lower Upper

146 100

111 45.5 23.5 70.5

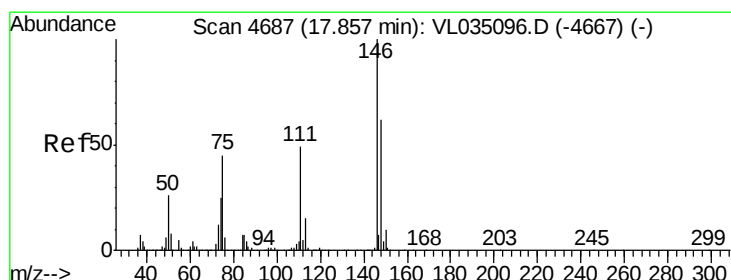
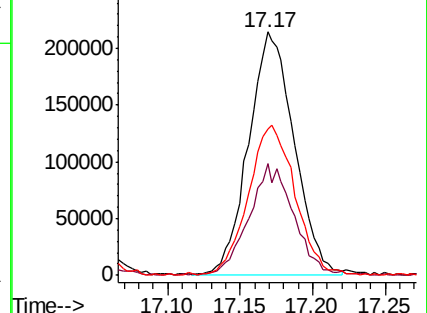
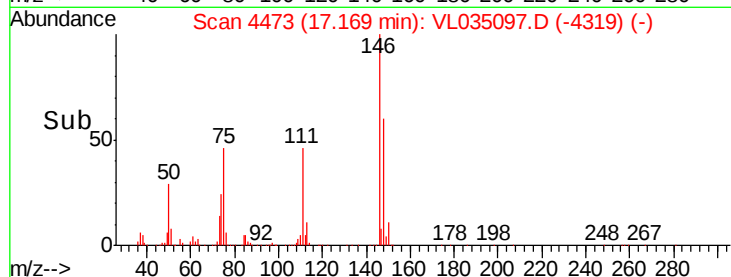
148 63.6 32.0 96.2



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: 2.077 ppbv

RT: 17.85 min Scan# 4686

Delta R.T. -0.00 min

Lab File: VL035097.D

Acq: 19 Jun 2020 16:34

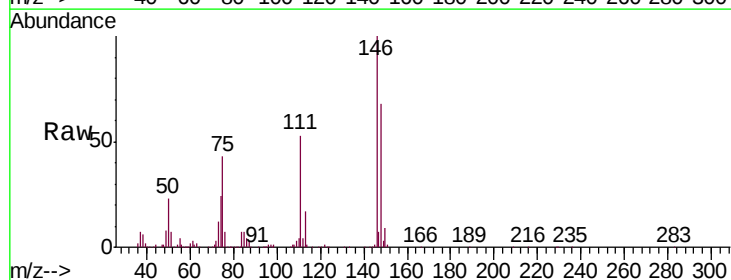
Tgt Ion:146 Resp: 453286

Ion Ratio Lower Upper

146 100

111 49.0 25.0 75.0

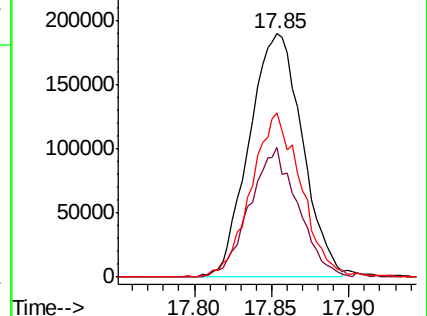
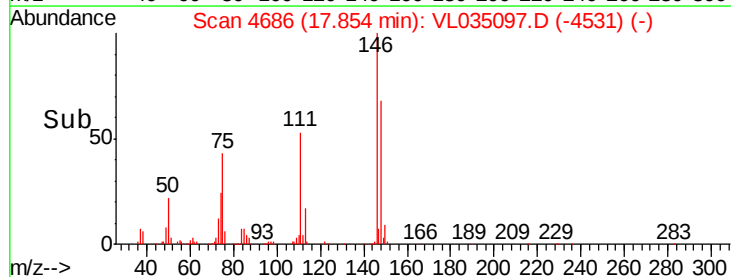
148 63.8 32.3 96.8

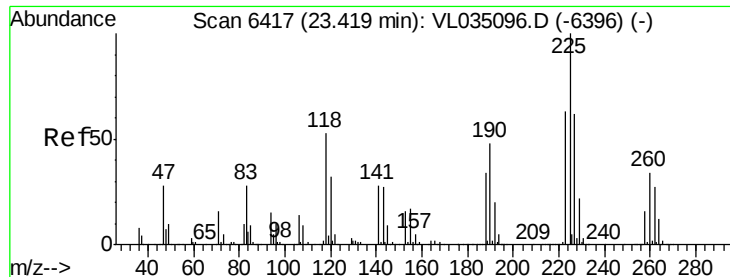


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#78

Hexachloro-1,3-Butadiene

Concen: 2.260 ppbv

RT: 23.42 min Scan# 6417

Delta R.T. 0.00 min

Lab File: VL035097.D

Acq: 19 Jun 2020 16:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

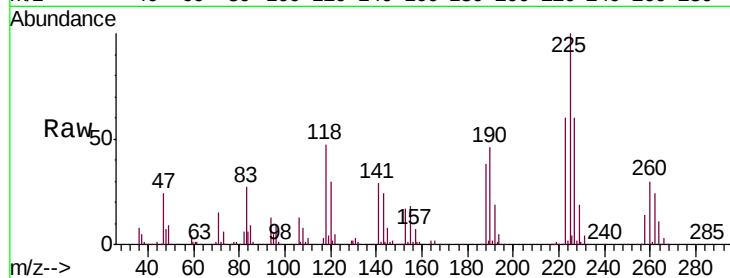
Tgt Ion:225 Resp: 422395

Ion Ratio Lower Upper

225 100

223 61.0 51.4 77.0

227 64.2 51.8 77.8

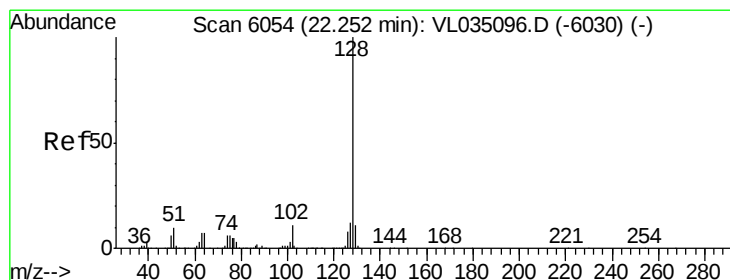
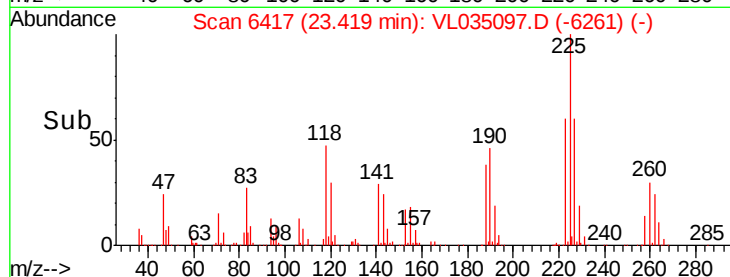
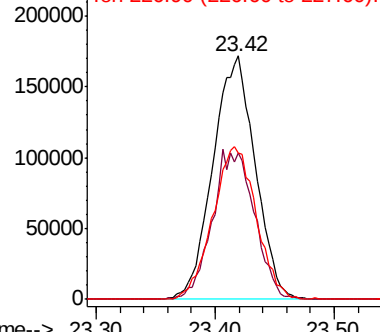


Abundance

Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V



#79

Naphthalene

Concen: 2.463 ppbv

RT: 22.25 min Scan# 6054

Delta R.T. 0.00 min

Lab File: VL035097.D

Acq: 19 Jun 2020 16:34

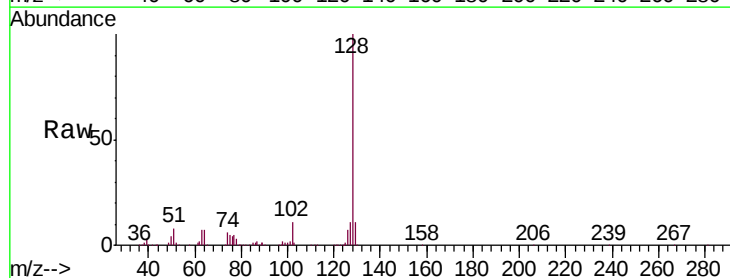
Tgt Ion:128 Resp: 751026

Ion Ratio Lower Upper

128 100

127 11.3 9.9 14.9

129 11.3 9.0 13.4

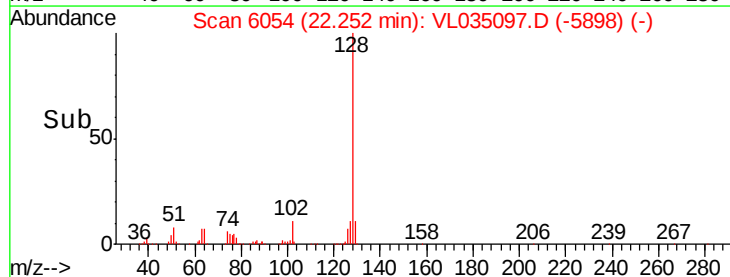
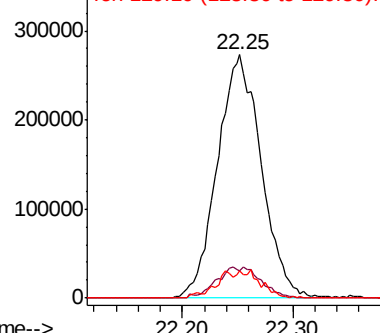


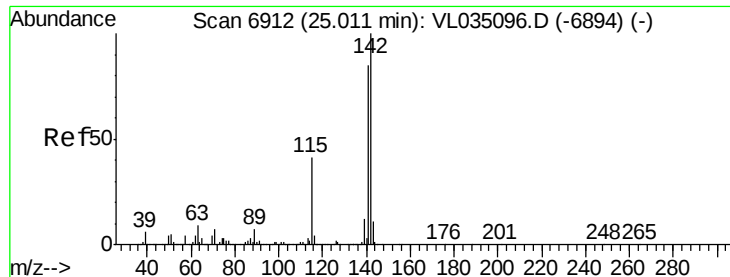
Abundance

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

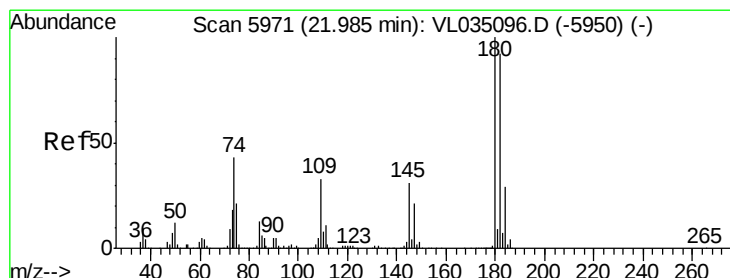
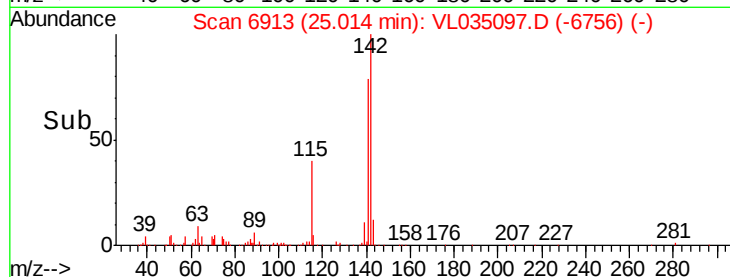
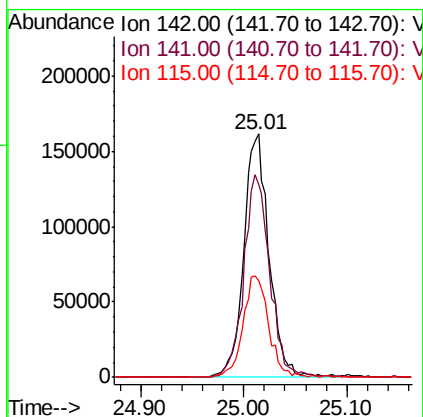
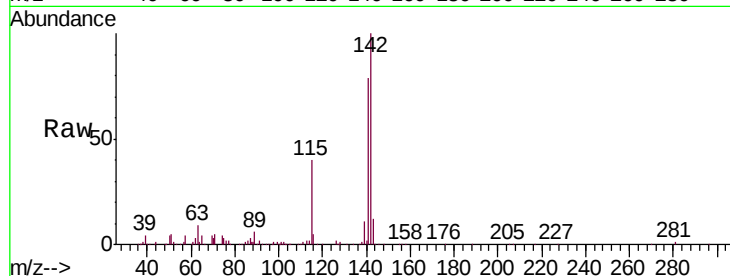




#80
Naphthalene, 2-methyl-
Concen: 3.583 ppbv
RT: 25.01 min Scan# 6913
Delta R.T. 0.00 min
Lab File: VL035097.D
Acq: 19 Jun 2020 16:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion	Ratio	Lower	Upper
142	100		
141	85.6	67.5	101.3
115	42.4	33.8	50.8



#81
1,2,4-Trichlorobenzene
Concen: 2.222 ppbv
RT: 21.98 min Scan# 5969
Delta R.T. -0.01 min
Lab File: VL035097.D
Acq: 19 Jun 2020 16:34

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.4	77.9	116.9
184	32.3	24.6	37.0

