

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL072320\
 Data File : VL035228.D
 Acq On : 23 Jul 2020 14:33
 Operator : SY/AP
 Sample : L3216-13 0.4 LOD
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jul 24 05:56:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL070820AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 08 07:05:23 2020
 QLast Update : Wed Jul 08 07:05:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1163024	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2928402	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	2649837	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	2275082	10.57	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.70%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.00	85	103406	0.634 ppbv	94
3) Chlorodifluoromethane	2.94	51	66055	0.514 ppbv	99
4) Chloromethane	3.09	50	21611	0.298 ppbv	100
5) Vinyl Chloride	3.21	62	30224	0.391 ppbv	97
6) Bromomethane	3.43	94	25046	0.570 ppbv #	74
7) Chloroethane	3.52	64	13362	0.489 ppbv #	79
8) Dichlorotetrafluoroethane	3.14	85	91572	0.513 ppbv	98
9) Propene	2.96	41	18061	0.372 ppbv	92
10) Heptane	8.13	43	35530	0.285 ppbv	88
11) Trichlorofluoromethane	3.92	101	98039	0.533 ppbv	85
12) 1,1,2-Trichlorotrifluoroet	4.46	101	67995	0.526 ppbv	100
13) Ethanol	3.57	45	5558	0.360 ppbv #	51
14) Bromoethene	3.70	108	20172	0.379 ppbv #	75
15) Acetone	3.83	43	93266	0.592 ppbv	93
16) 1,3-Butadiene	3.29	39	20704	0.343 ppbv	87
17) tert-Butyl alcohol	4.28	59	69632	0.500 ppbv	98
18) 1,1-Dichloroethene	4.26	96	21016	0.367 ppbv	96
19) Isopropyl Alcohol	3.94	45	14889	0.157 ppbv #	92
20) Methylene Chloride	4.31	84	19426	0.284 ppbv #	91
21) Allyl Chloride	4.38	41	41496	0.453 ppbv	95
22) trans-1,2-Dichloroethene	4.86	96	12931	0.226 ppbv	97
23) Vinyl Acetate	5.05	43	61431	0.360 ppbv #	82
24) 1,1-Dichloroethane	4.99	63	67029	0.458 ppbv	96
25) Ethyl Acetate	5.67	43	98609	0.404 ppbv	98
26) Hexane	5.66	57	23211	0.215 ppbv #	1
27) Carbon Disulfide	4.53	76	30182	0.201 ppbv #	25
28) Methyl tert-Butyl Ether	5.02	73	27128	0.165 ppbv #	50
29) Chloroform	5.74	83	86560	0.479 ppbv	85
30) Cyclohexane	7.12	84	5614	0.070 ppbv #	1
31) cis-1,2-Dichloroethene	5.54	61	17033	0.167 ppbv #	91
32) 1,1,1-Trichloroethane	6.51	97	76503	0.423 ppbv	92
34) 2-Butanone	5.24	43	51759	0.331 ppbv #	89
35) Carbon Tetrachloride	7.01	117	36009	0.189 ppbv	97
36) Benzene	6.88	78	62710	0.296 ppbv #	90
37) 1,2-Dichloroethane	6.30	62	29680	0.209 ppbv #	80
38) Trichloroethene	7.84	130	18908	0.219 ppbv #	73
39) 1,2-Dichloropropane	7.62	63	17421	0.207 ppbv #	86
41) Tetrahydrofuran	6.06	42	15861	0.203 ppbv #	84
42) Bromodichloromethane	7.80	83	30137	0.159 ppbv	94
43) Methyl Methacrylate	8.01	69	7121	0.079 ppbv #	1
44) 2,2,4-Trimethylpentane	7.87	57	108795	0.297 ppbv #	85

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

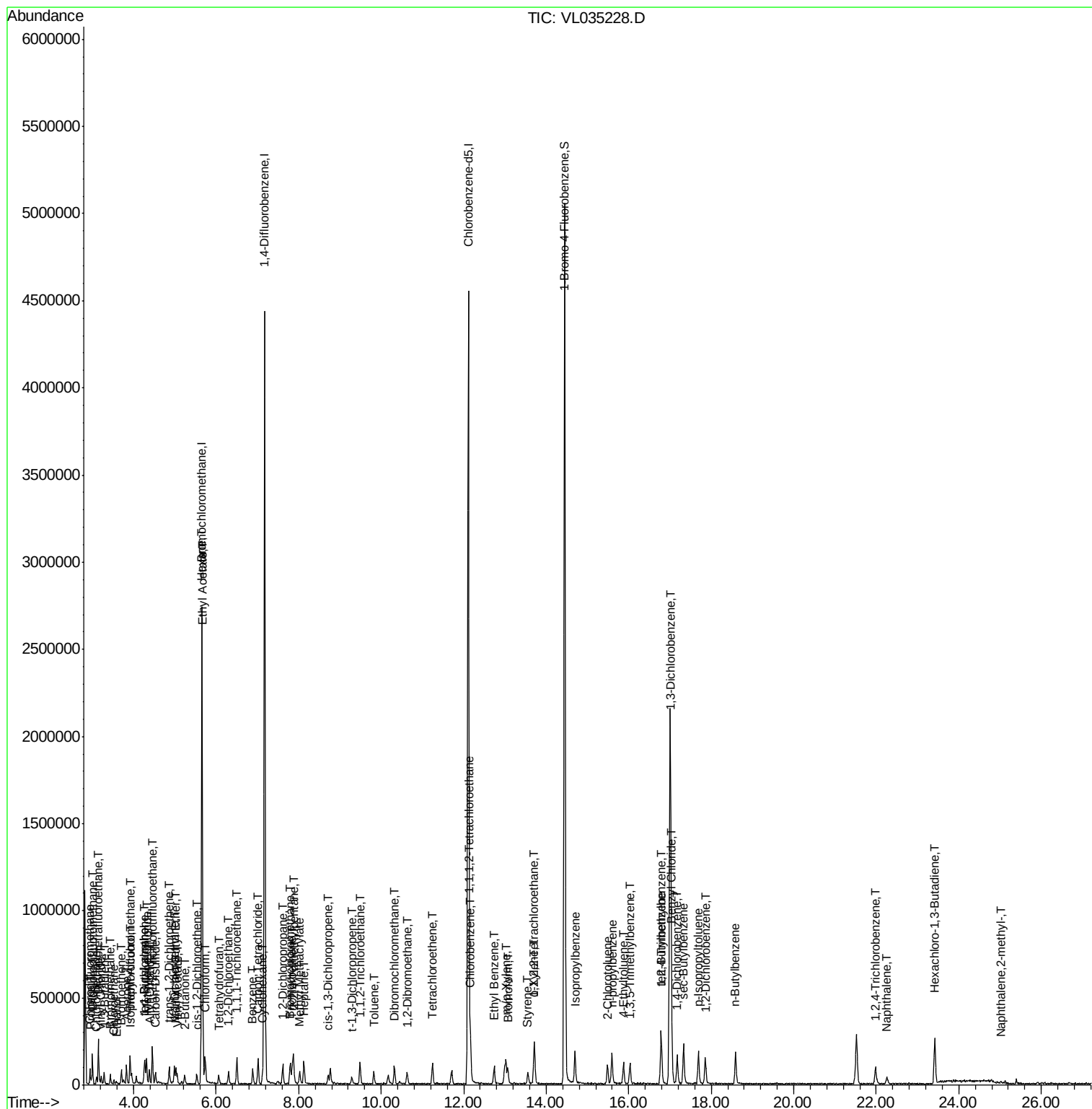
45) t-1,3-Dichloropropene	9.29	75	24031	0.255	ppbv #	81
46) cis-1,3-Dichloropropene	8.71	75	11915	0.107	ppbv #	75
47) 1,1,2-Trichloroethane	9.49	97	38275	0.415	ppbv	92
48) Dibromochloromethane	10.32	129	55043	0.367	ppbv	100
49) Bromoform	13.06	173	18611	0.142	ppbv #	27
52) Tetrachloroethene	11.24	164	15123	0.191	ppbv #	82
53) Toluene	9.82	91	38432	0.172	ppbv #	20
54) 1,2-Dibromoethane	10.63	107	45422	0.332	ppbv	82
56) 1,1,1,2-Tetrachloroethane	12.15	131	55493	0.473	ppbv #	1
57) Chlorobenzene	12.17	112	46518	0.238	ppbv	91
58) Ethyl Benzene	12.73	91	57404	0.196	ppbv	89
59) m/p-Xylene	13.03	91	52769	0.202	ppbv #	1
60) o-Xylene	13.72	91	72668	0.279	ppbv	100
61) Styrene	13.56	104	12297	0.076	ppbv #	1
62) Isopropylbenzene	14.70	105	124706	0.323	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.71	83	57502	0.264	ppbv #	56
64) n-propylbenzene	15.60	120	19603	0.197	ppbv #	1
65) tert-Butylbenzene	16.79	119	100469	0.290	ppbv	85
66) Benzyl Chloride	17.05	91	7019	0.057	ppbv #	1
67) sec-Butylbenzene	17.33	105	165023	0.326	ppbv	95
69) p-Isopropyltoluene	17.69	119	116012	0.293	ppbv	97
70) n-Butylbenzene	18.59	91	123457	0.294	ppbv	96
71) 2-Chlorotoluene	15.48	91	79682	0.273	ppbv	100
72) 4-Ethyltoluene	15.87	105	63584	0.217	ppbv #	89
73) 1,3,5-Trimethylbenzene	16.03	105	53592	0.189	ppbv #	83
74) 1,2,4-Trimethylbenzene	16.80	105	99075	0.317	ppbv	95
75) 1,3-Dichlorobenzene	17.02	146	99310	0.501	ppbv	91
76) 1,4-Dichlorobenzene	17.18	146	74299	0.404	ppbv	99
77) 1,2-Dichlorobenzene	17.86	146	34092	0.191	ppbv #	18
78) Hexachloro-1,3-Butadiene	23.42	225	48052	0.341	ppbv #	39
79) Naphthalene	22.26	128	12960	0.064	ppbv #	86
80) Naphthalene,2-methyl-	25.02	142	3061	0.064	ppbv #	30
81) 1,2,4-Trichlorobenzene	21.98	180	26799	0.209	ppbv #	62

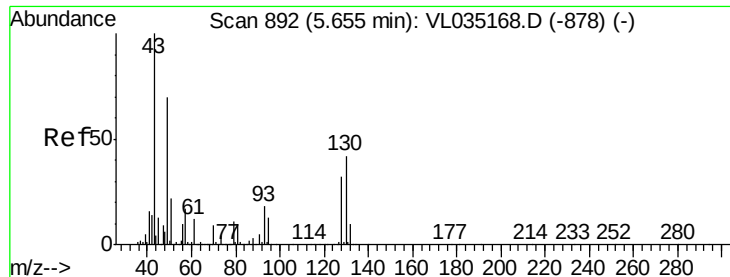
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jul 08 07:05:23 2020
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. -0.00 min

Lab File: VL035228.D

Acq: 23 Jul 2020 14:33

Instrument :

MSVOA_L

ClientSampleId :

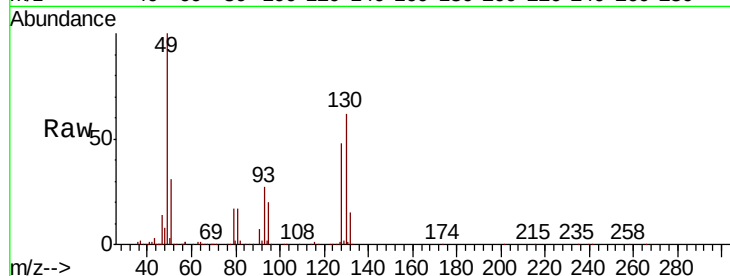
Tot Ion: 49 Resp: 1163024

Ion Ratio Lower Upper

49 100

128 50.1 23.8 71.4

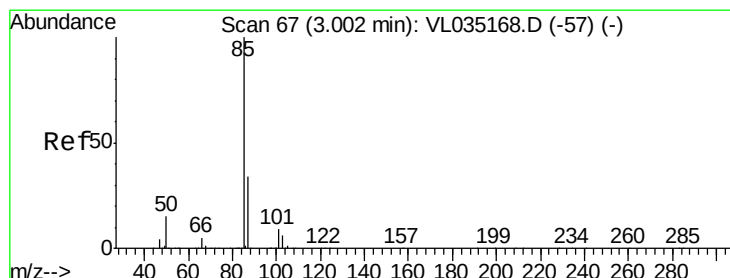
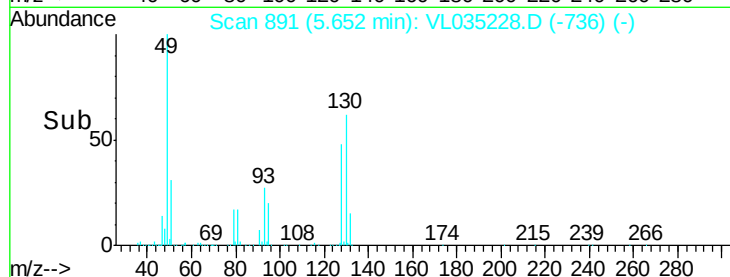
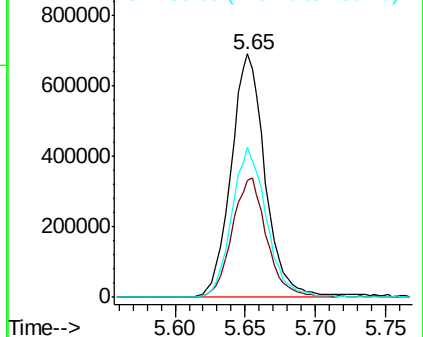
130 63.6 29.9 89.8



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.634 ppbv

RT: 3.00 min Scan# 67

Delta R.T. 0.00 min

Lab File: VL035228.D

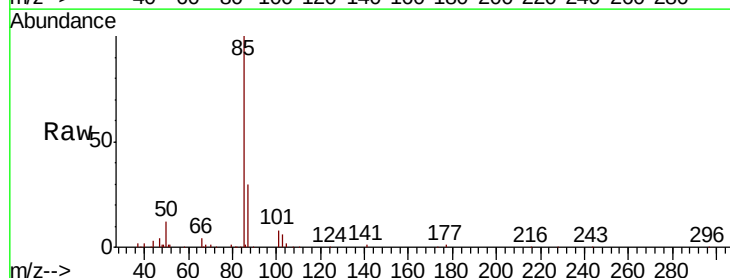
Acq: 23 Jul 2020 14:33

Tgt Ion: 85 Resp: 103406

Ion Ratio Lower Upper

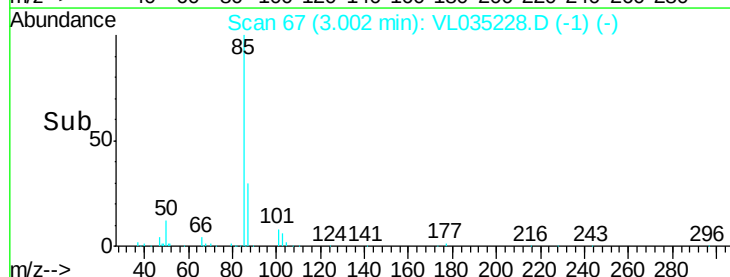
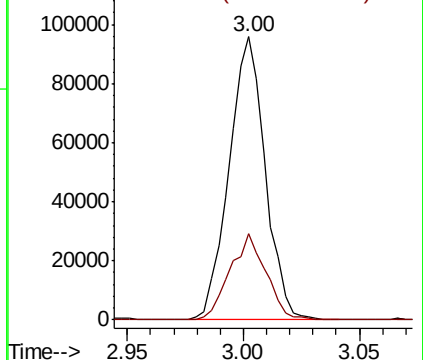
85 100

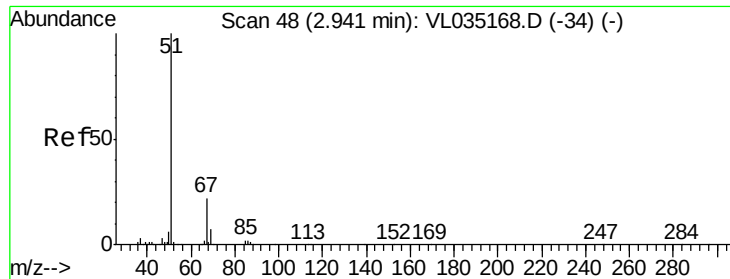
87 30.3 27.0 40.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

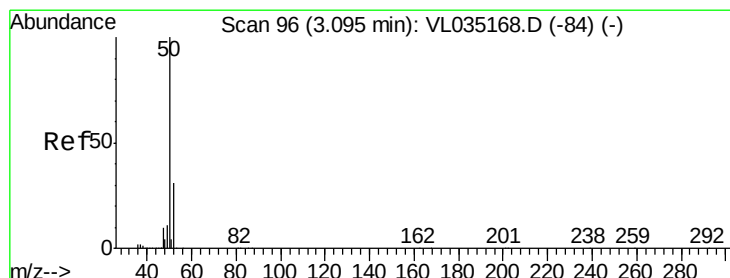
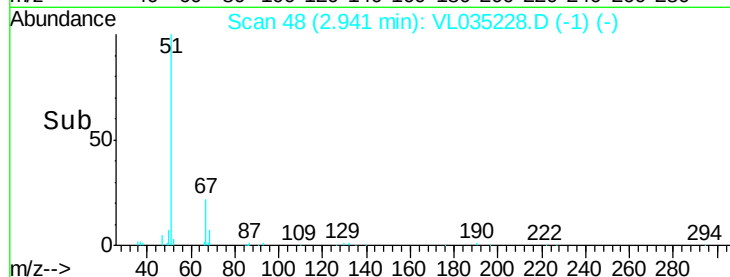
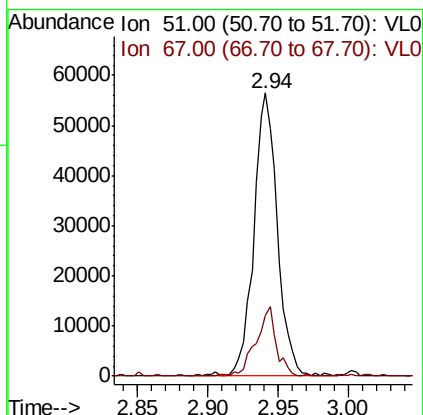
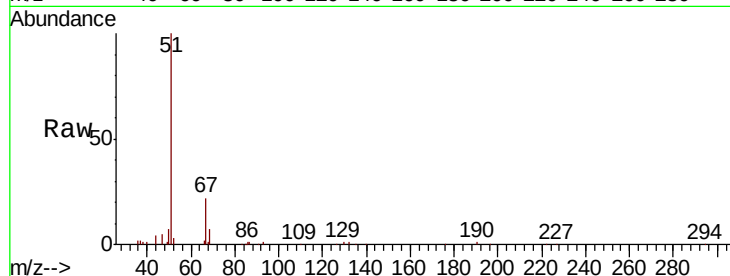




#3
 Chlorodifluoromethane
 Concen: 0.514 ppbv
 RT: 2.94 min Scan# 48
 Delta R.T. 0.00 min
 Lab File: VL035228.D
 Acq: 23 Jul 2020 14:33

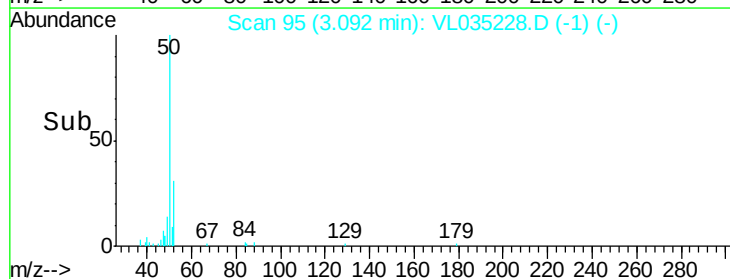
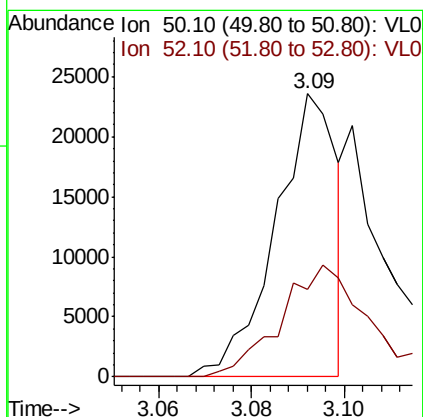
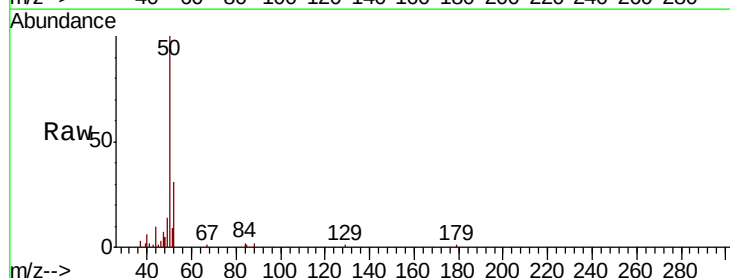
Instrument :
 MSVOA_L
 ClientSampleId :

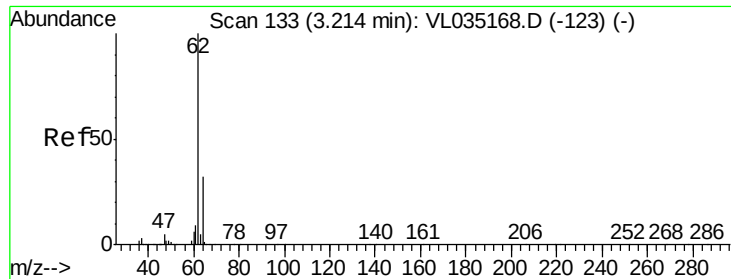
Tot Ion: 51 Resp: 66055
 Ion Ratio Lower Upper
 51 100
 67 21.3 16.6 24.8



#4
 Chloromethane
 Concen: 0.298 ppbv
 RT: 3.09 min Scan# 95
 Delta R.T. -0.00 min
 Lab File: VL035228.D
 Acq: 23 Jul 2020 14:33

Tgt Ion: 50 Resp: 21611
 Ion Ratio Lower Upper
 50 100
 52 31.2 25.0 37.6





#5

Vinyl Chloride

Concen: 0.391 ppbv

RT: 3.21 min Scan# 132

Delta R.T. -0.00 min

Lab File: VL035228.D

Acq: 23 Jul 2020 14:33

Instrument :

MSVOA_L

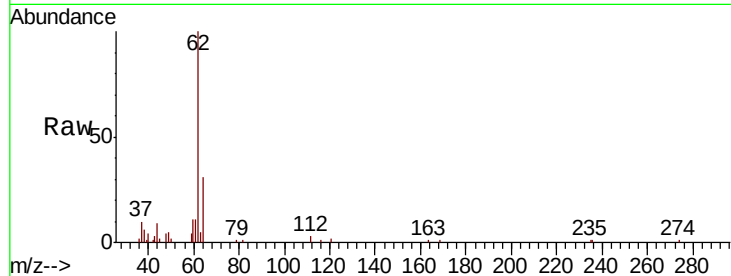
ClientSampled :

Tot Ion: 62 Resp: 30224

Ion Ratio Lower Upper

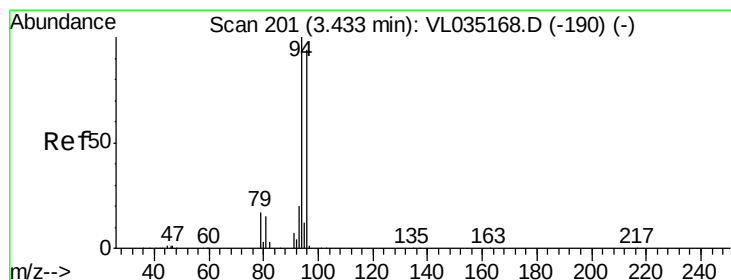
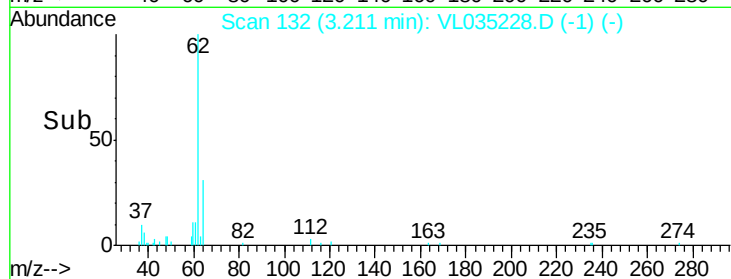
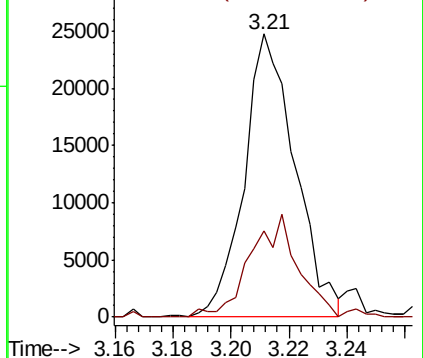
62 100

64 30.6 25.9 38.9



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 0.570 ppbv

RT: 3.43 min Scan# 201

Delta R.T. 0.00 min

Lab File: VL035228.D

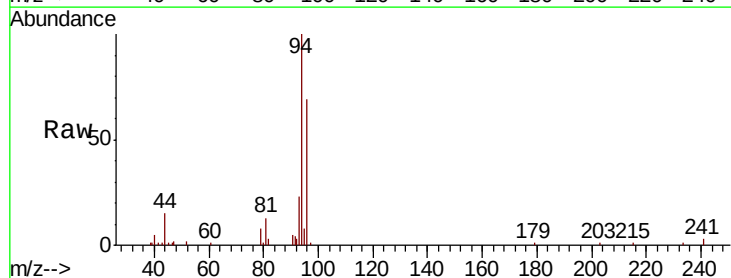
Acq: 23 Jul 2020 14:33

Tgt Ion: 94 Resp: 25046

Ion Ratio Lower Upper

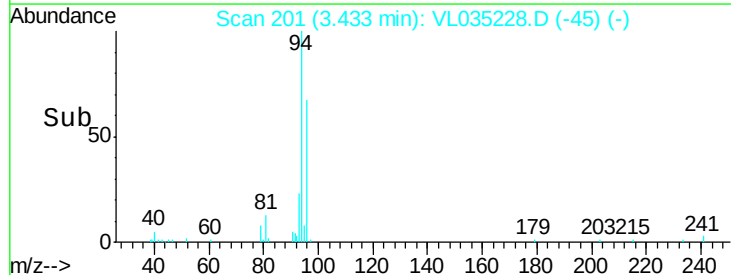
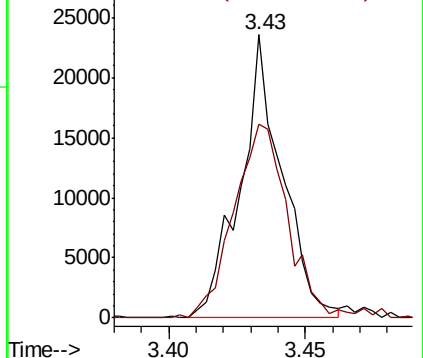
94 100

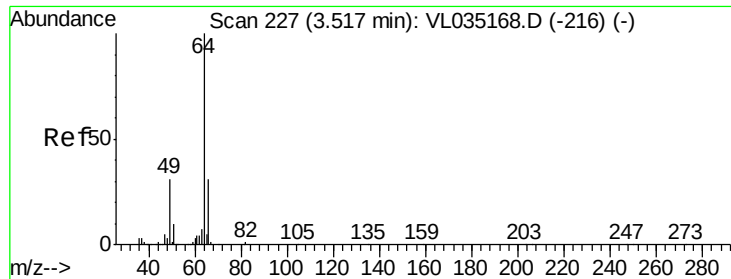
96 68.5 74.8 112.2#



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 0.489 ppbv

RT: 3.52 min Scan# 228

Delta R.T. 0.00 min

Lab File: VL035228.D

Acq: 23 Jul 2020 14:33

Instrument :

MSVOA_L

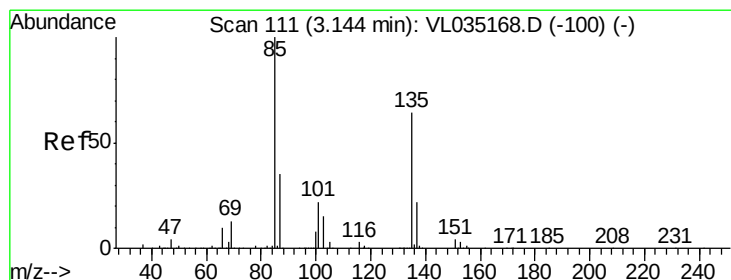
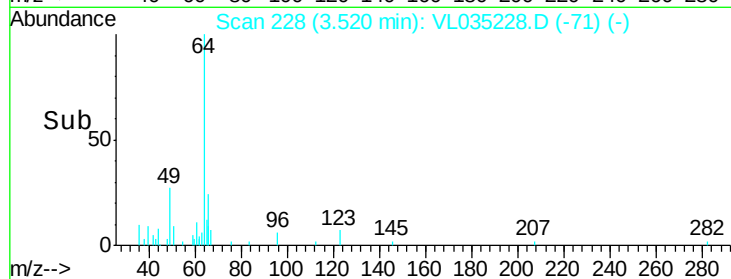
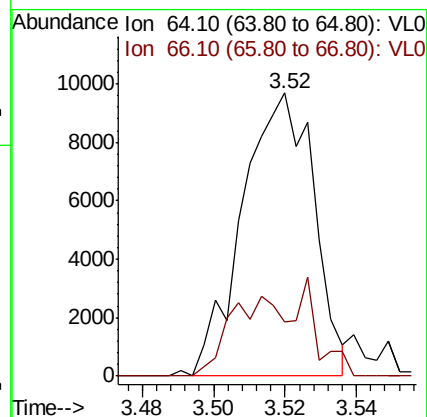
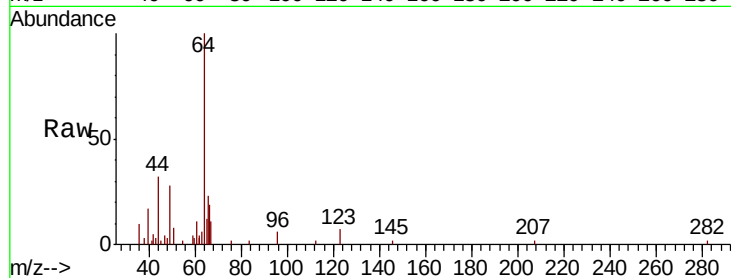
ClientSampleId :

Tot Ion: 64 Resp: 13362

Ion Ratio Lower Upper

64 100

66 19.2 24.6 36.8#



#8

Dichlorotetrafluoroethane

Concen: 0.513 ppbv

RT: 3.14 min Scan# 110

Delta R.T. -0.00 min

Lab File: VL035228.D

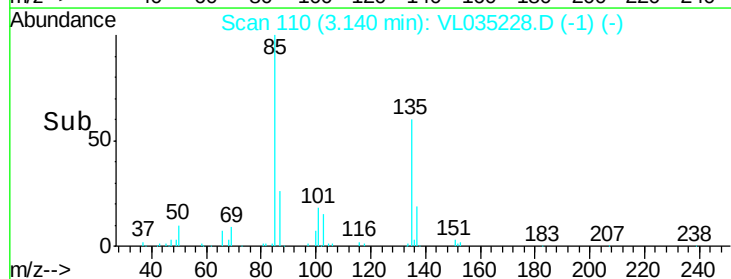
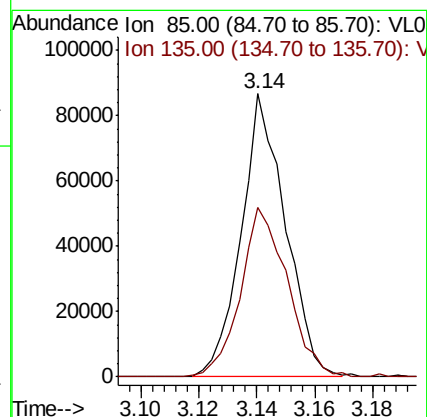
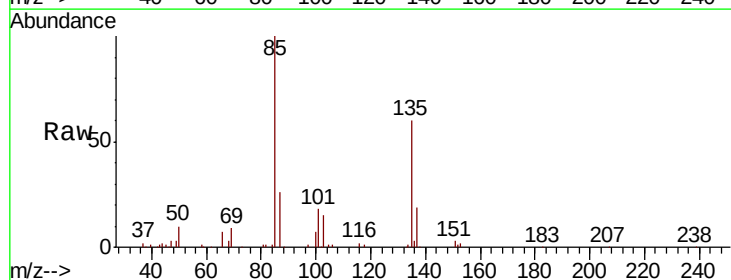
Acq: 23 Jul 2020 14:33

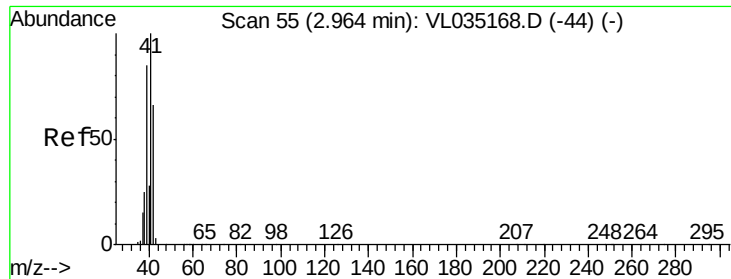
Tgt Ion: 85 Resp: 91572

Ion Ratio Lower Upper

85 100

135 63.6 52.1 78.1





#9

Propene

Concen: 0.372 ppbv

RT: 2.96 min Scan# 55

Delta R.T. 0.00 min

Lab File: VL035228.D

Acq: 23 Jul 2020 14:33

Instrument :

MSVOA_L

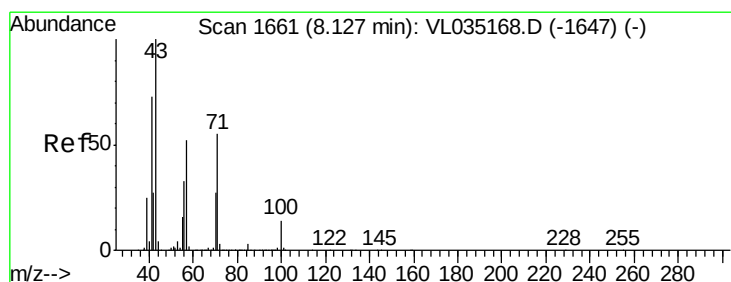
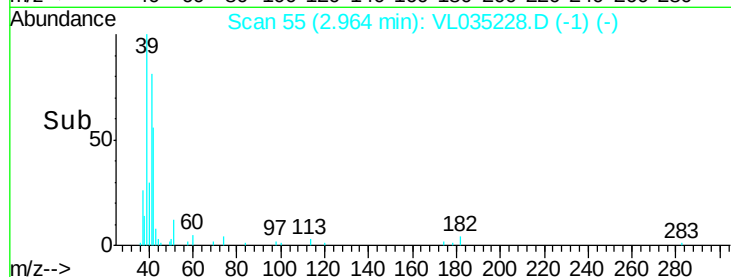
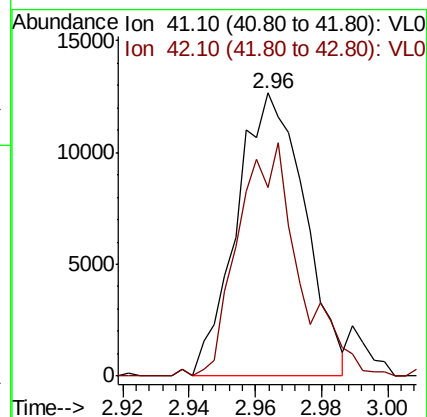
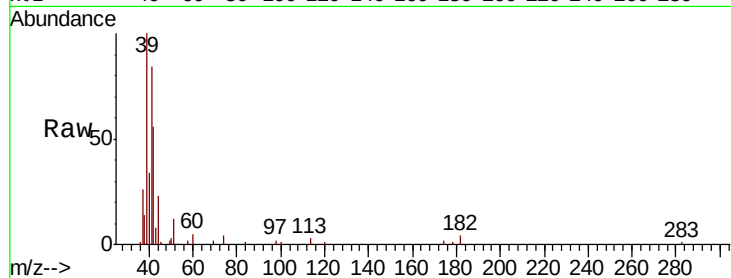
ClientSampleId :

Tot Ion: 41 Resp: 18061

Ion Ratio Lower Upper

41 100

42 74.4 54.6 81.8



#10

Heptane

Concen: 0.285 ppbv

RT: 8.13 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VL035228.D

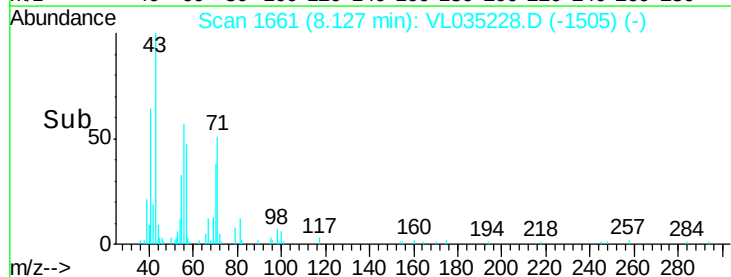
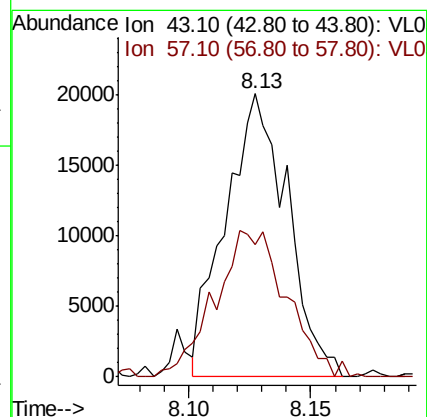
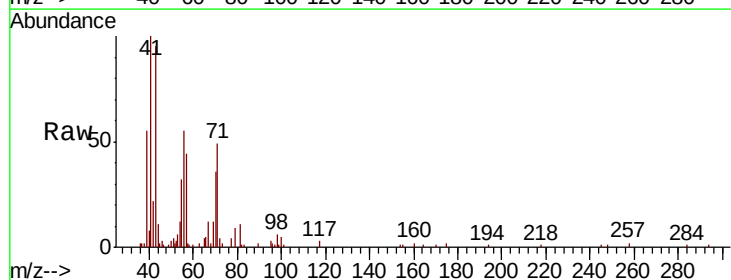
Acq: 23 Jul 2020 14:33

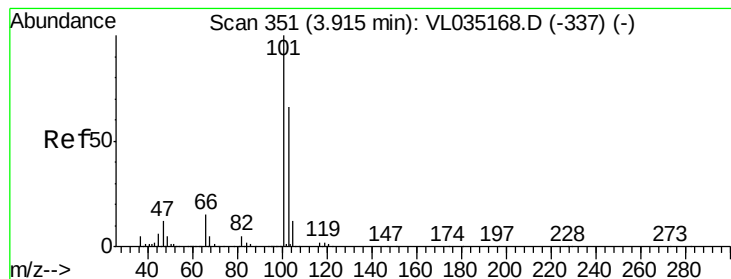
Tgt Ion: 43 Resp: 35530

Ion Ratio Lower Upper

43 100

57 60.6 41.8 62.6





#11

Trichlorofluoromethane

Concen: 0.533 ppbv

RT: 3.92 min Scan# 352

Delta R.T. 0.00 min

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Acq: 23 Jul 2020 14:33

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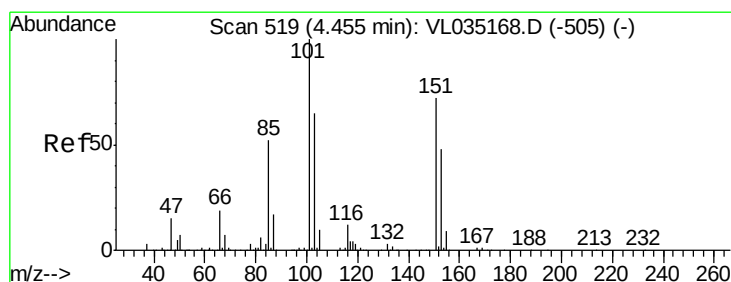
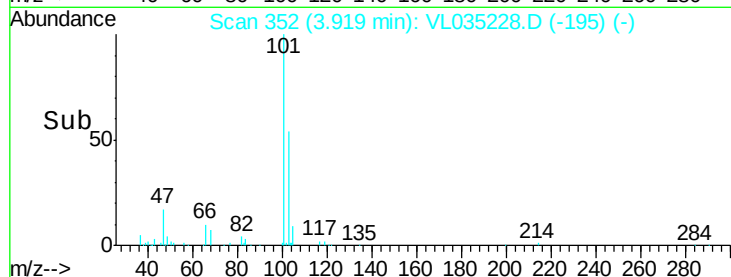
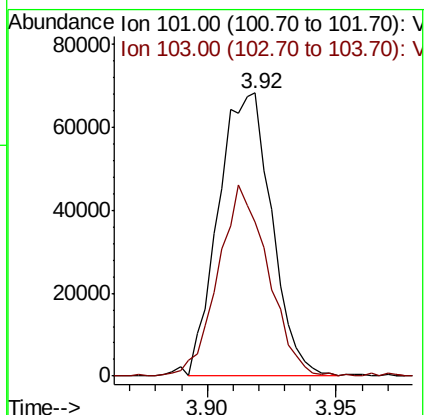
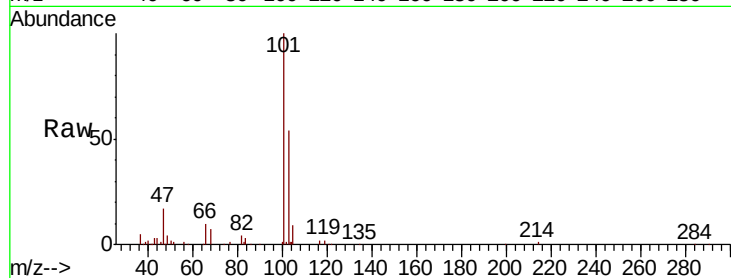
ClientSampleId :

Tot Ion:101 Resp: 98039

Ion Ratio Lower Upper

101 100

103 54.4 53.1 79.7



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.526 ppbv

RT: 4.46 min Scan# 519

Delta R.T. 0.00 min

Lab File: VL035228.D

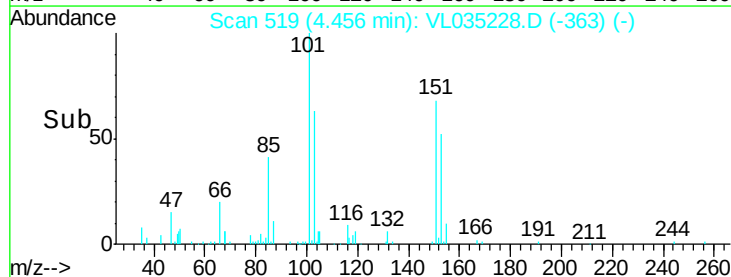
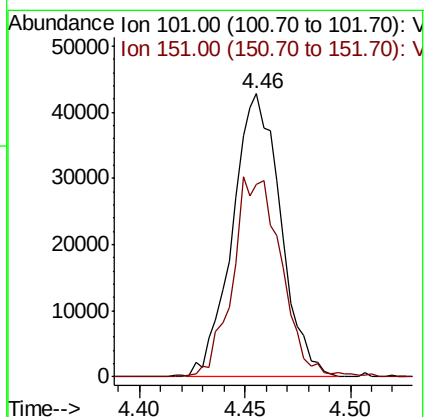
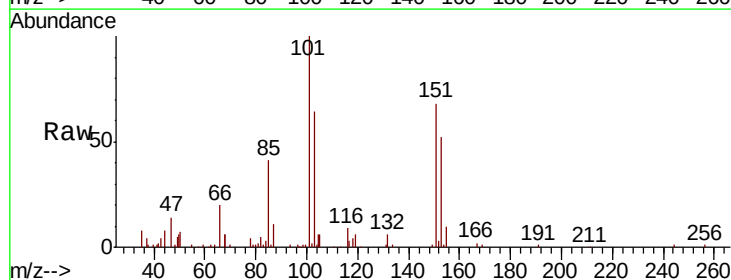
Acq: 23 Jul 2020 14:33

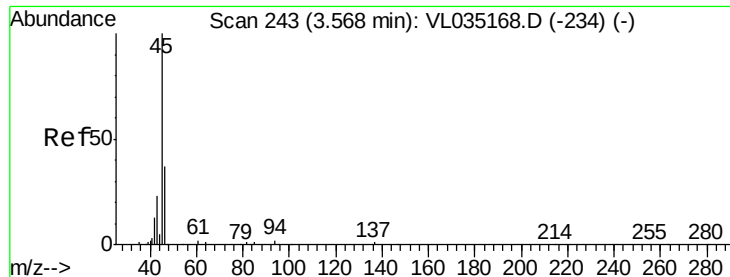
Tgt Ion:101 Resp: 67995

Ion Ratio Lower Upper

101 100

151 70.9 57.0 85.4





#13

Ethanol

Concen: 0.360 ppbv

RT: 3.57 min Scan# 245

Delta R.T. 0.01 min

Lab File: VL035228.D

Acq: 23 Jul 2020 14:33

Instrument :

MSVOA_L

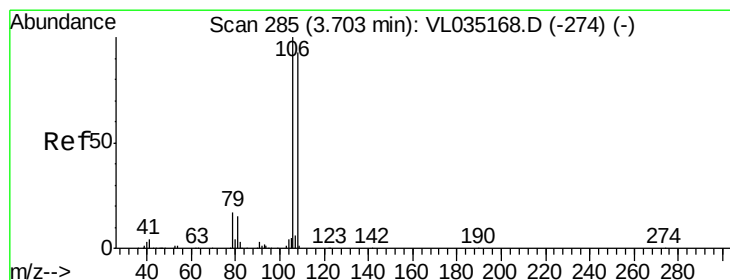
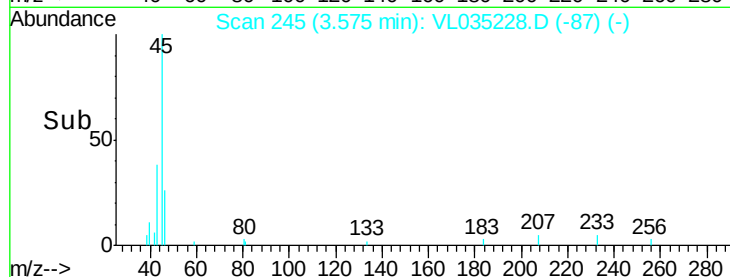
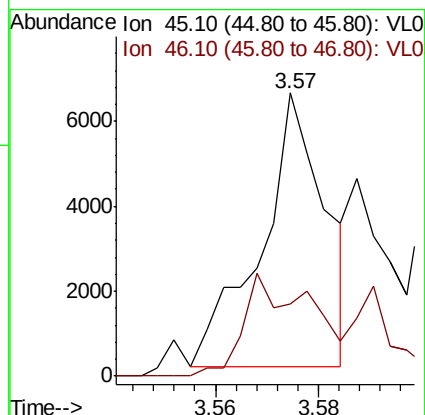
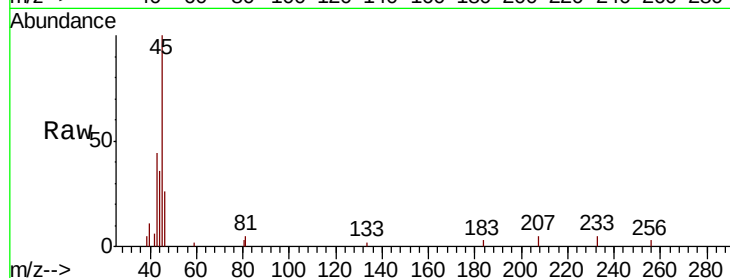
ClientSampleId :

Tot Ion: 45 Resp: 5558

Ion Ratio Lower Upper

45 100

46 70.8 16.2 65.0#



#14

Bromoethene

Concen: 0.379 ppbv

RT: 3.70 min Scan# 284

Delta R.T. -0.00 min

Lab File: VL035228.D

Acq: 23 Jul 2020 14:33

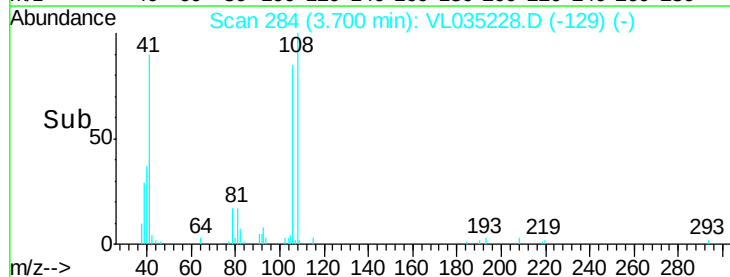
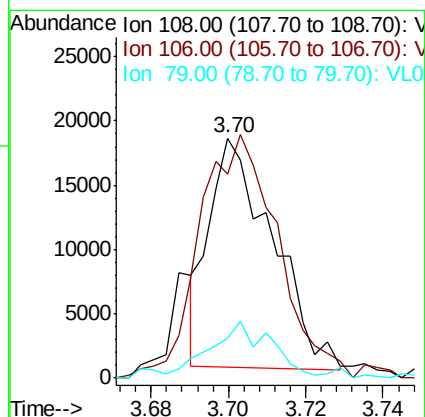
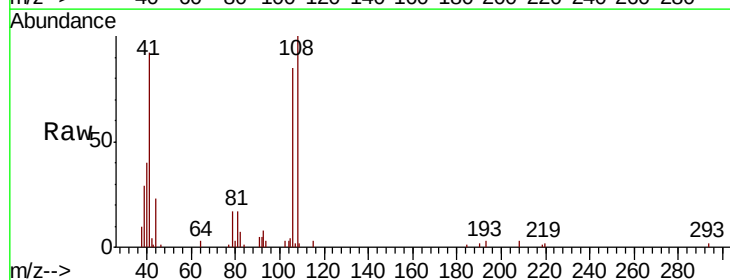
Tgt Ion: 108 Resp: 20172

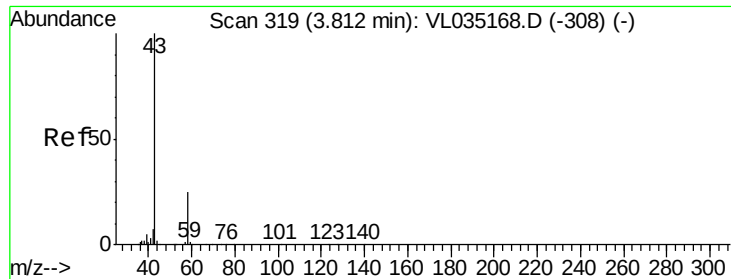
Ion Ratio Lower Upper

108 100

106 134.8 86.2 129.2#

79 26.2 15.0 22.6#





#15

Acetone

Concen: 0.592 ppbv

RT: 3.83 min Scan# 324

Delta R.T. 0.02 min

Lab File: VL035228.D

Acq: 23 Jul 2020 14:33

Instrument :

MSVOA_L

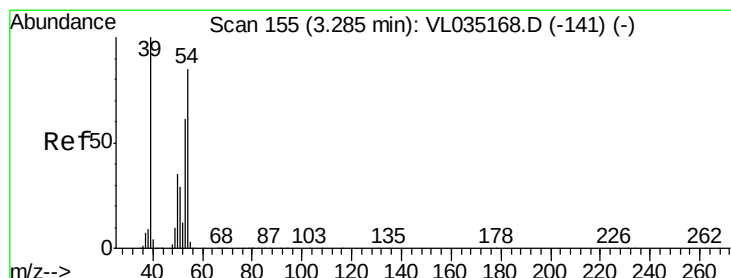
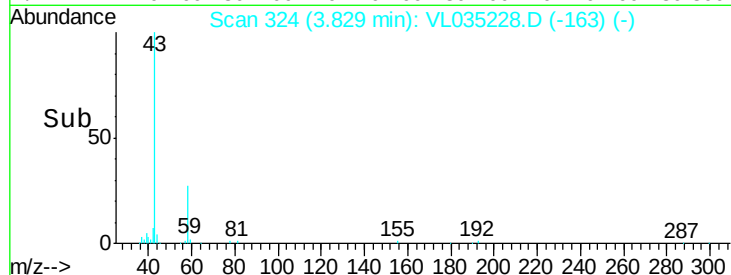
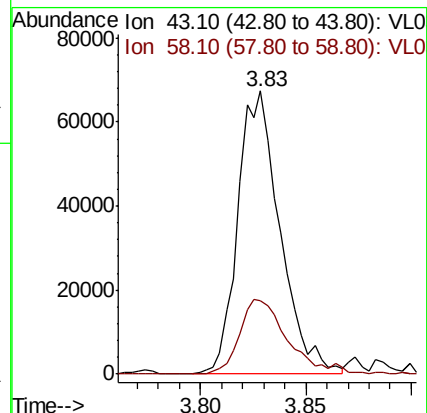
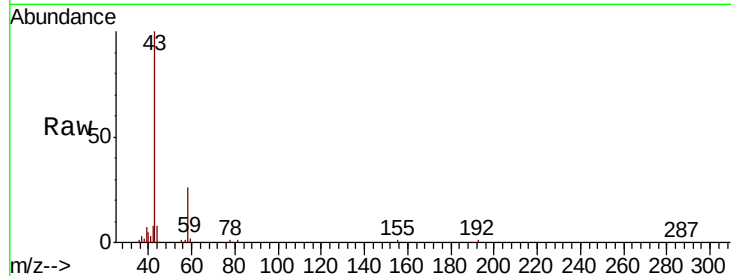
ClientSampleId :

Tot Ion: 43 Resp: 93266

Ion Ratio Lower Upper

43 100

58 30.4 21.3 31.9



#16

1,3-Butadiene

Concen: 0.343 ppbv

RT: 3.29 min Scan# 155

Delta R.T. 0.00 min

Lab File: VL035228.D

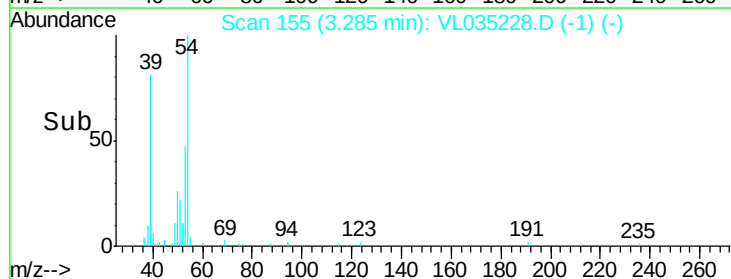
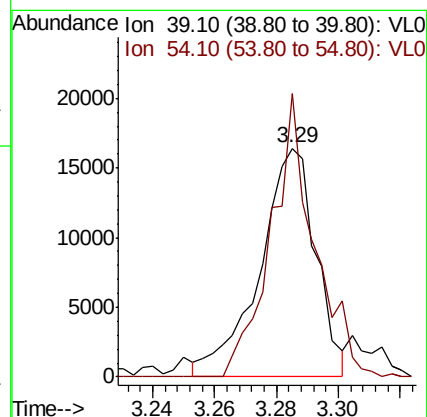
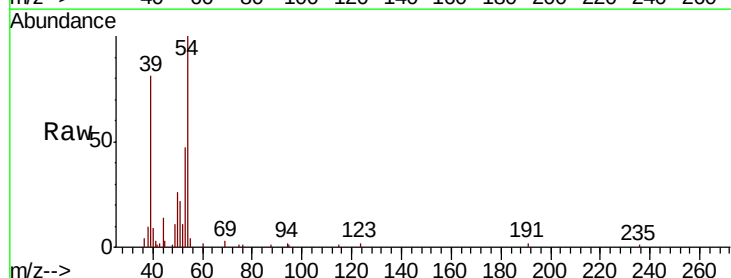
Acq: 23 Jul 2020 14:33

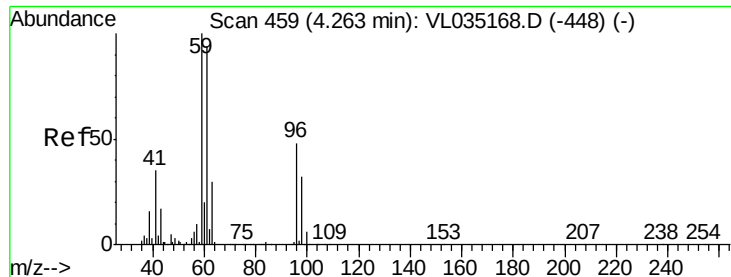
Tgt Ion: 39 Resp: 20704

Ion Ratio Lower Upper

39 100

54 95.6 67.2 100.8





#17

tert-Butyl alcohol

Concen: 0.500 ppbv

RT: 4.28 min Scan# 463

Delta R.T. 0.01 min

Lab File: VL035228.D

Acq: 23 Jul 2020 14:33

Instrument :

MSVOA_L

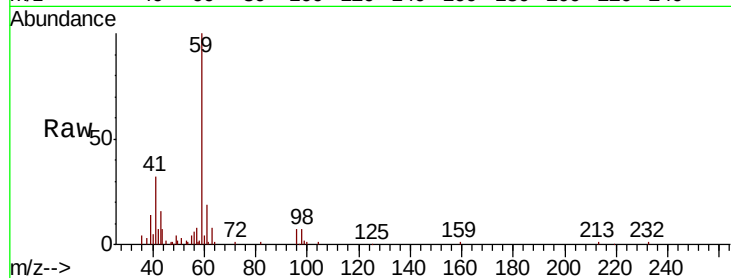
ClientSampleId :

Tot Ion: 59 Resp: 69632

Ion Ratio Lower Upper

59 100

57 11.3 8.6 12.8



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.28

40000

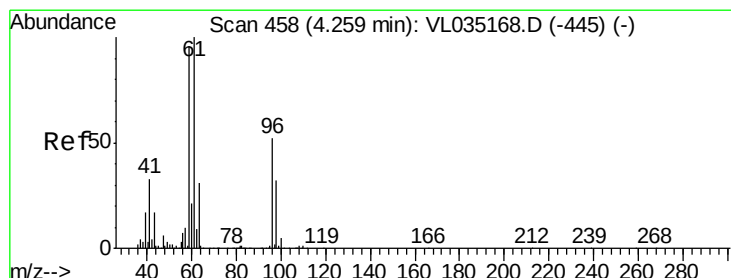
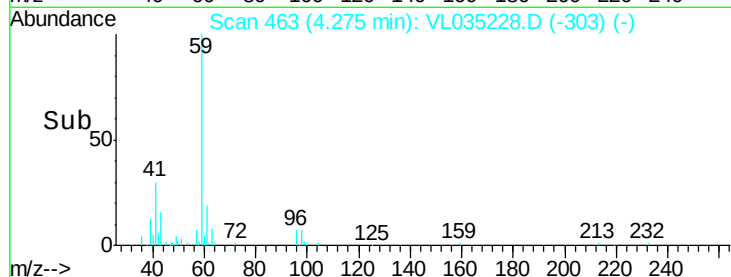
30000

20000

10000

0

Time--> 4.20 4.25 4.30



#18

1,1-Dichloroethene

Concen: 0.367 ppbv

RT: 4.26 min Scan# 458

Delta R.T. 0.00 min

Lab File: VL035228.D

Acq: 23 Jul 2020 14:33

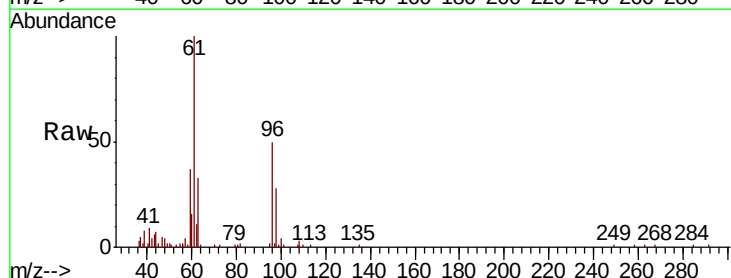
Tgt Ion: 96 Resp: 21016

Ion Ratio Lower Upper

96 100

61 194.9 152.9 229.3

98 55.0 48.7 73.1



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

50000

40000

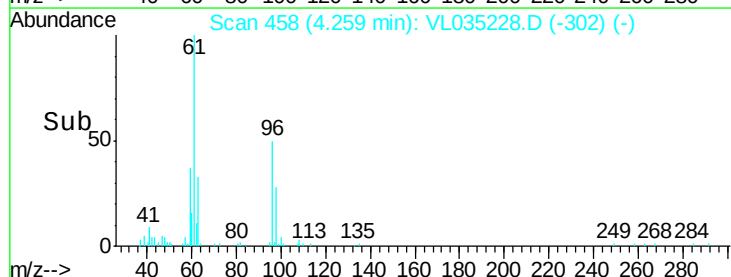
30000

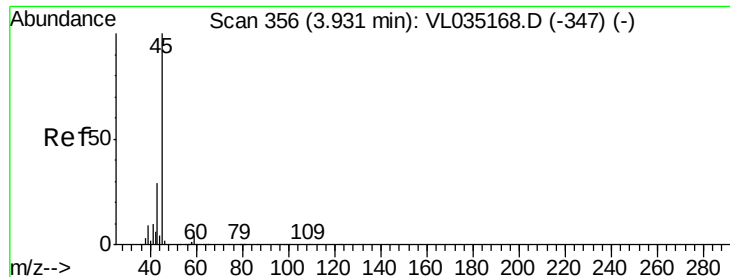
20000

10000

0

Time--> 4.22 4.24 4.26





#19

Isopropyl Alcohol

Concen: 0.157 ppbv

RT: 3.94 min Scan# 358

Delta R.T. 0.01 min

Lab File: VL035228.D

Acq: 23 Jul 2020 14:33

Instrument :

MSVOA_L

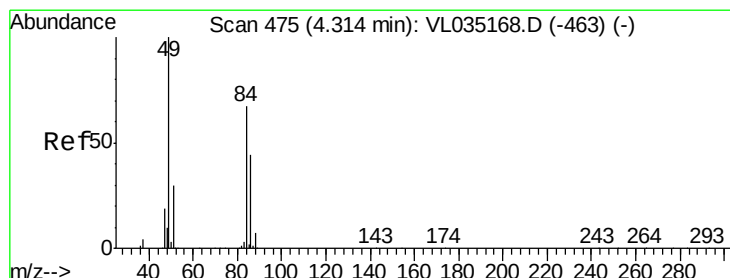
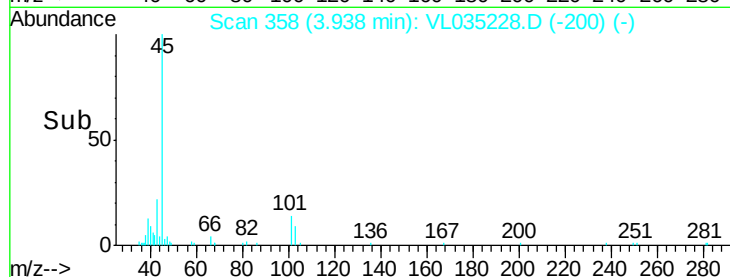
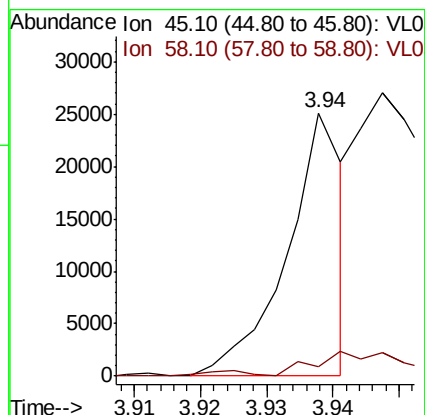
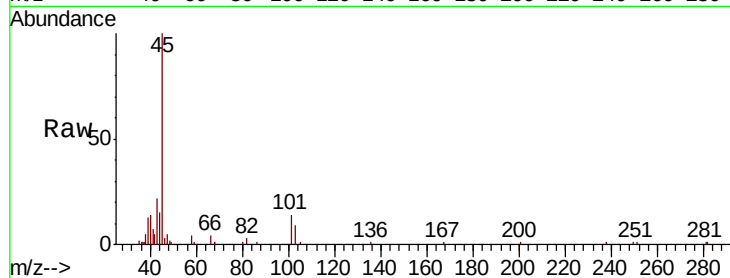
ClientSampleId :

Tot Ion: 45 Resp: 14889

Ion Ratio Lower Upper

45 100

58 0.0 2.1 3.1#



#20

Methylene Chloride

Concen: 0.284 ppbv

RT: 4.31 min Scan# 473

Delta R.T. -0.01 min

Lab File: VL035228.D

Acq: 23 Jul 2020 14:33

Tgt Ion: 84 Resp: 19426

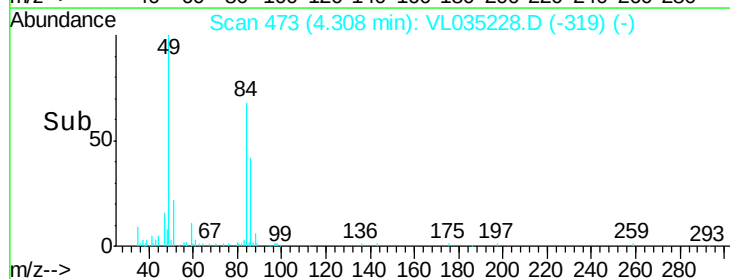
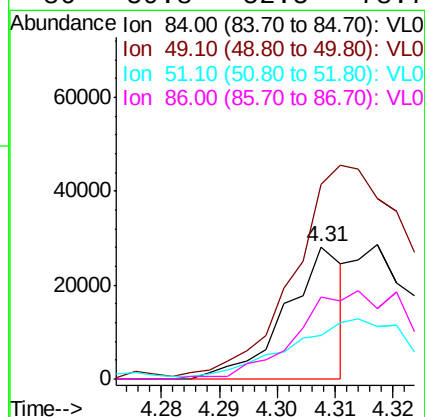
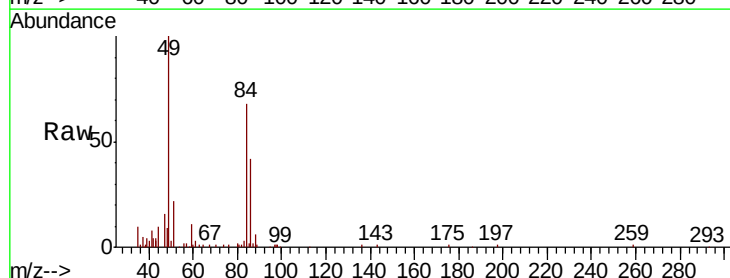
Ion Ratio Lower Upper

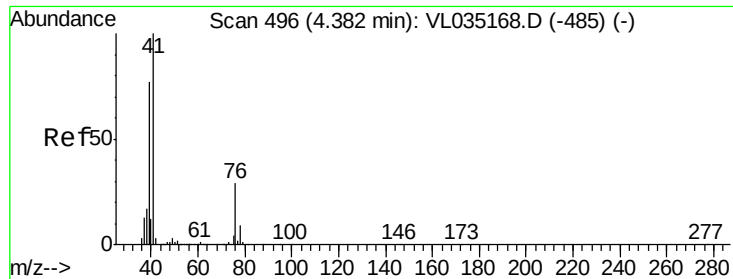
84 100

49 142.2 119.4 179.0

51 30.3 36.6 55.0#

86 59.8 52.5 78.7

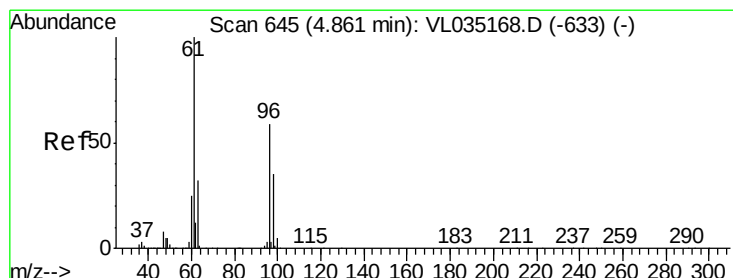
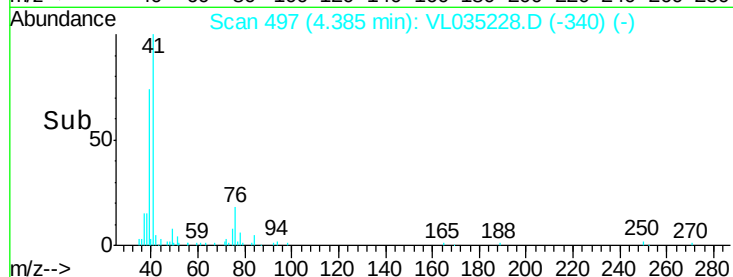
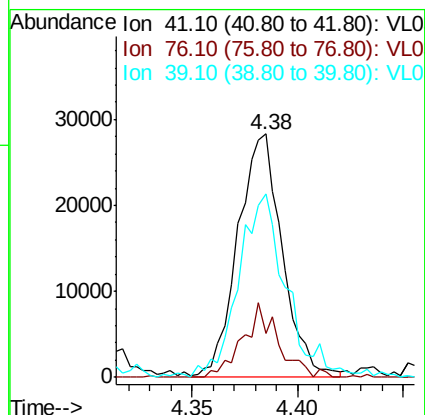
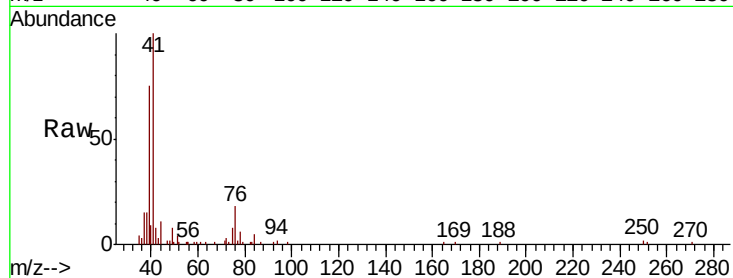




#21
 Allvl Chloride
 Concen: 0.453 ppbv
 RT: 4.38 min Scan# 497
 Delta R.T. 0.00 min
 Lab File: VL035228.D
 Acq: 23 Jul 2020 14:33

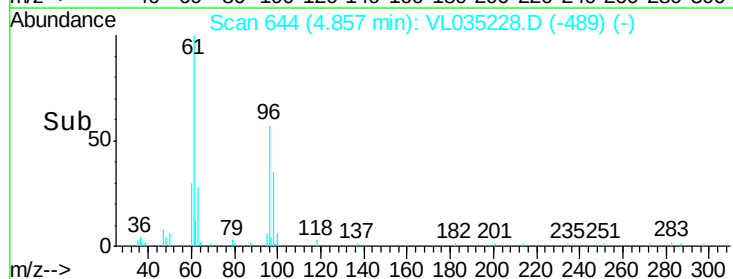
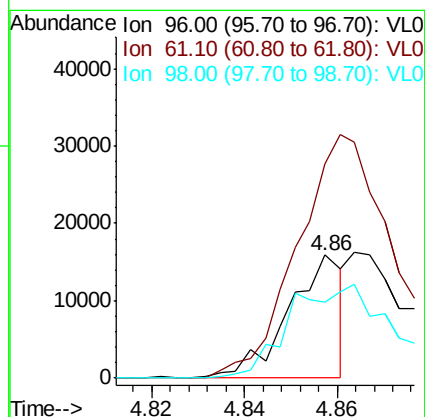
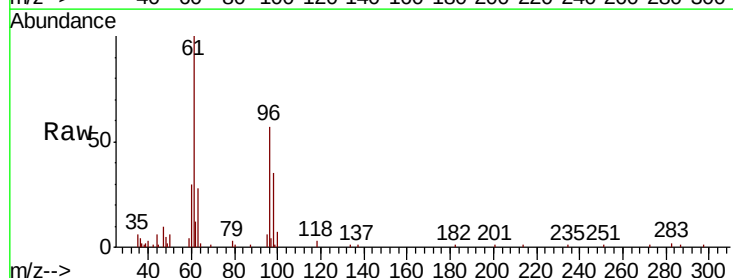
Instrument :
 MSVOA_L
 ClientSampleId :

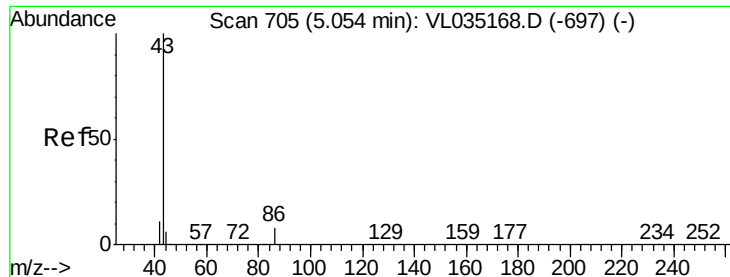
Tot Ion	Ratio	Lower	Upper
41	100		
76	24.4	23.5	35.3
39	82.0	63.4	95.0



#22
 trans-1,2-Dichloroethene
 Concen: 0.226 ppbv
 RT: 4.86 min Scan# 644
 Delta R.T. -0.00 min
 Lab File: VL035228.D
 Acq: 23 Jul 2020 14:33

Tgt Ion	Ratio	Lower	Upper
96	100		
61	174.2	136.5	204.7
98	61.4	47.5	71.3





#23

Vinyl Acetate

Concen: 0.360 ppbv

RT: 5.05 min Scan# 705

Delta R.T. 0.00 min

Lab File: VL035228.D

Acq: 23 Jul 2020 14:33

Instrument :

MSVOA_L

ClientSampled :

Tot Ion: 43 Resp: 61431

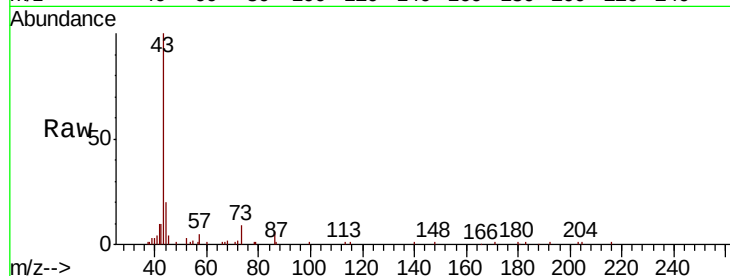
Ion Ratio Lower Upper

43 100

86 6.1 6.2 9.2#

42 18.2 9.1 13.7#

44 17.4 4.6 6.8#

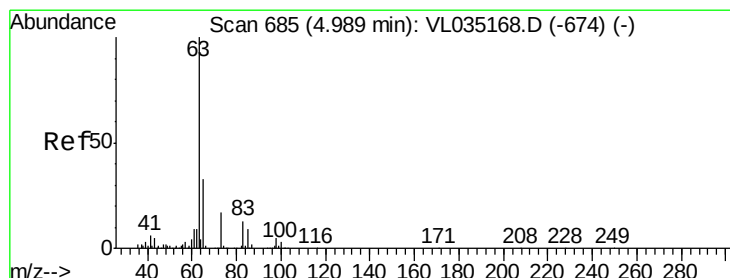
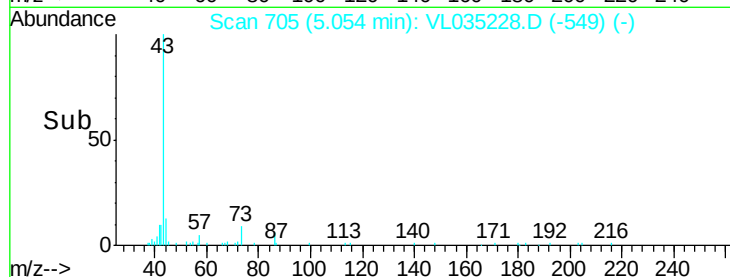
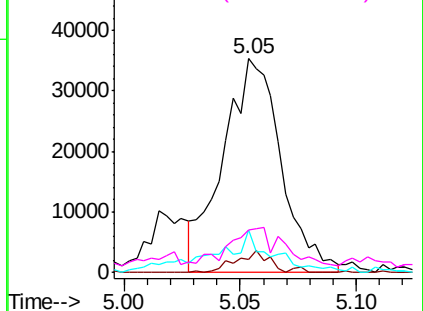


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 0.458 ppbv

RT: 4.99 min Scan# 684

Delta R.T. -0.00 min

Lab File: VL035228.D

Acq: 23 Jul 2020 14:33

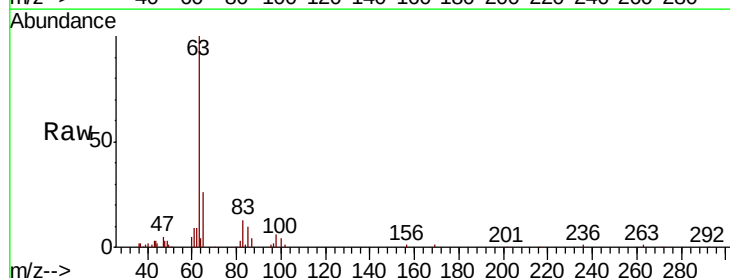
Tgt Ion: 63 Resp: 67029

Ion Ratio Lower Upper

63 100

98 6.1 2.4 7.1

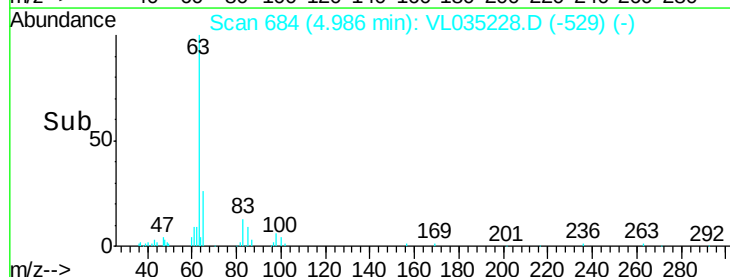
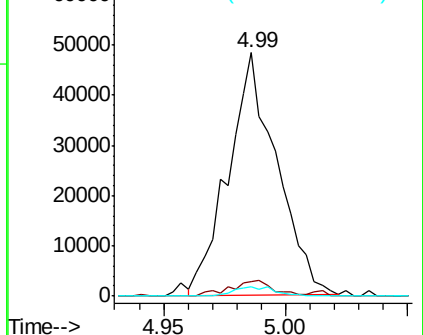
100 3.6 1.4 4.0

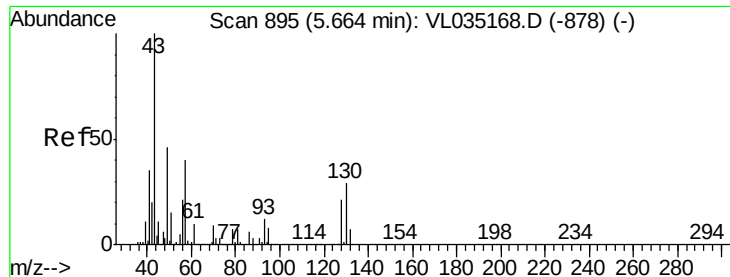


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 0.404 ppbv

RT: 5.67 min Scan# 896

Delta R.T. 0.00 min

Lab File: VL035228.D

Acq: 23 Jul 2020 14:33

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 98609

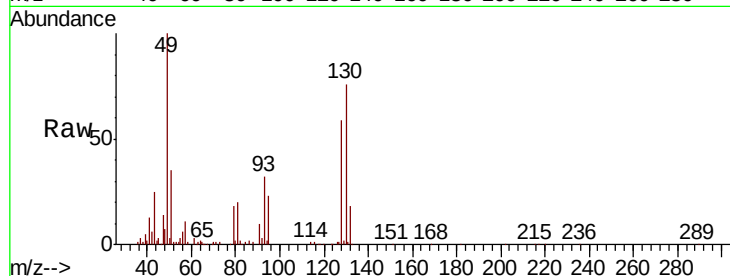
Ion Ratio Lower Upper

43 100

45 11.6 8.5 12.7

61 11.1 8.1 12.1

70 8.1 6.3 9.5

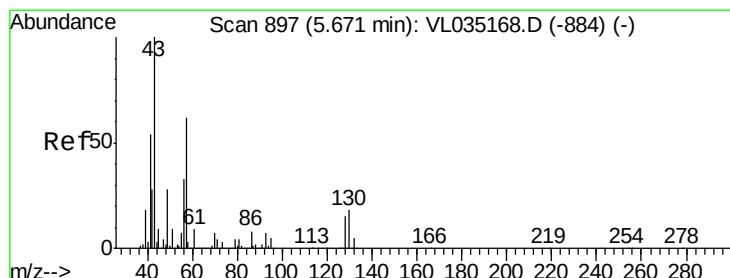
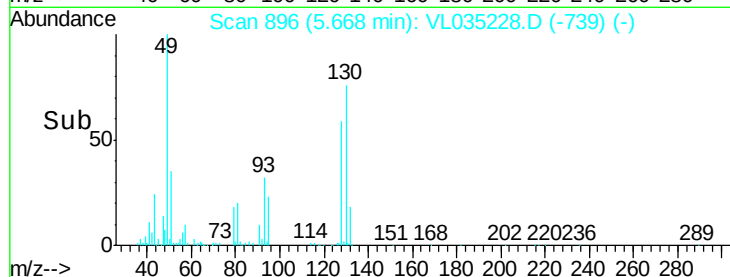
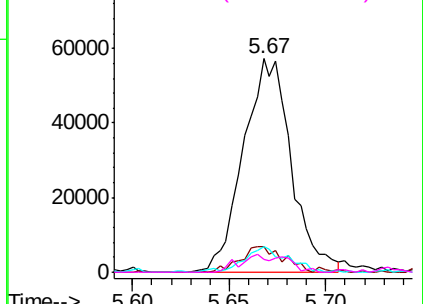


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 0.215 ppbv

RT: 5.66 min Scan# 895

Delta R.T. -0.01 min

Lab File: VL035228.D

Acq: 23 Jul 2020 14:33

Tgt Ion: 57 Resp: 23211

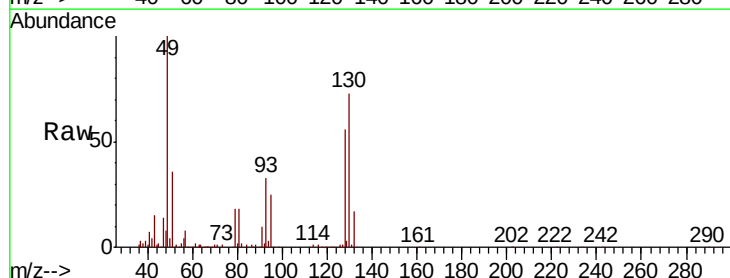
Ion Ratio Lower Upper

57 100

41 187.5 72.9 109.3#

43 440.6 179.5 269.3#

56 0.0 42.9 64.3#

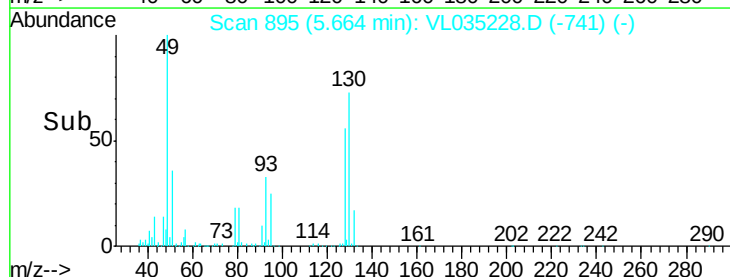
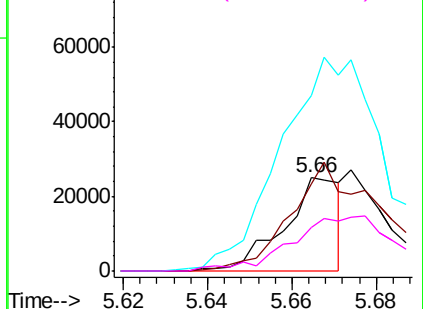


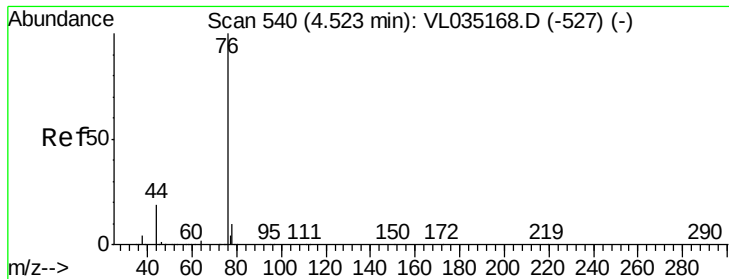
Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 0.201 ppbv

RT: 4.53 min Scan# 542

Delta R.T. 0.01 min

Lab File: VL035228.D

Acq: 23 Jul 2020 14:33

Instrument :

MSVOA_L

ClientSampleId :

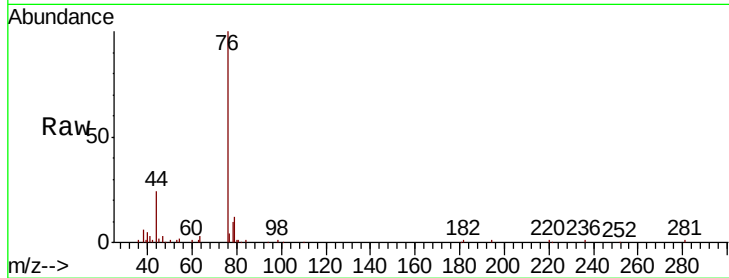
Tot Ion: 76 Resp: 30182

Ion Ratio Lower Upper

76 100

44 60.0 14.9 22.3#

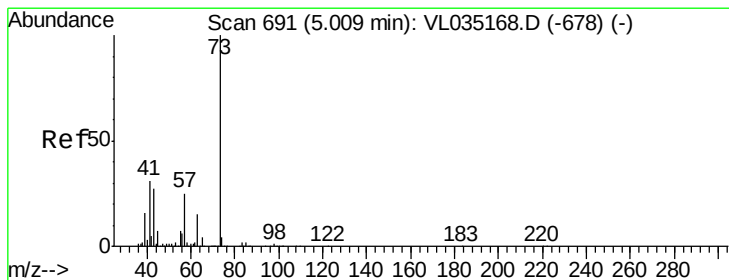
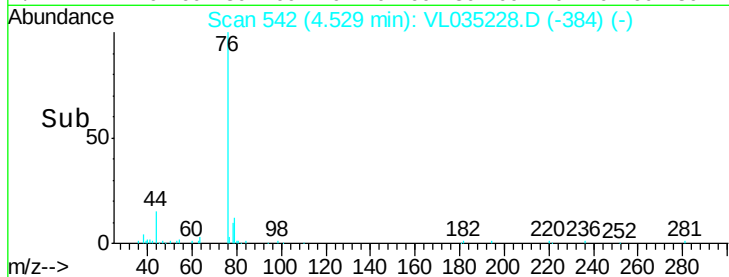
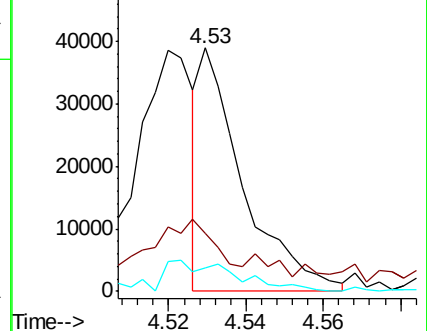
78 24.4 7.5 11.3#



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: 0.165 ppbv

RT: 5.02 min Scan# 694

Delta R.T. 0.01 min

Lab File: VL035228.D

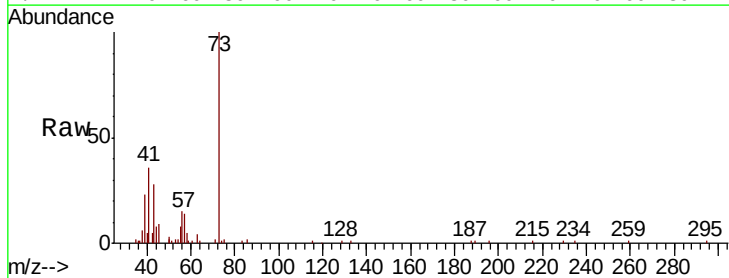
Acq: 23 Jul 2020 14:33

Tgt Ion: 73 Resp: 27128

Ion Ratio Lower Upper

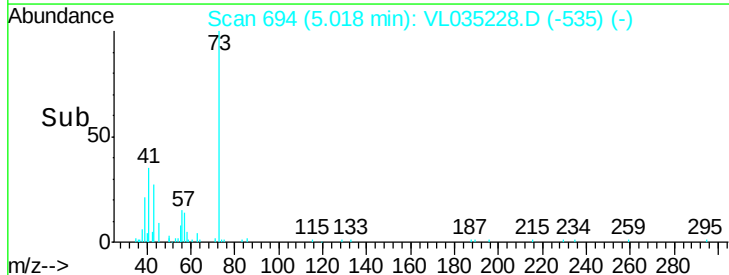
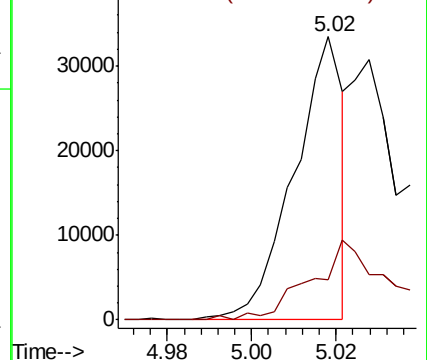
73 100

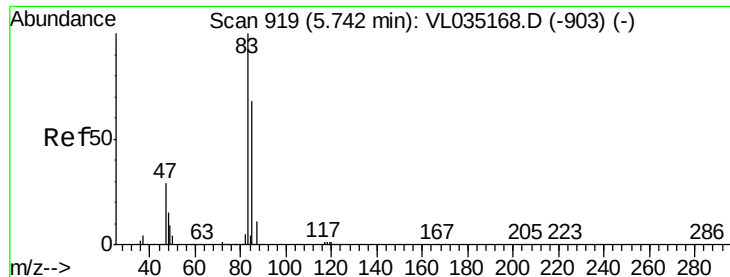
57 46.8 18.1 27.1#



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

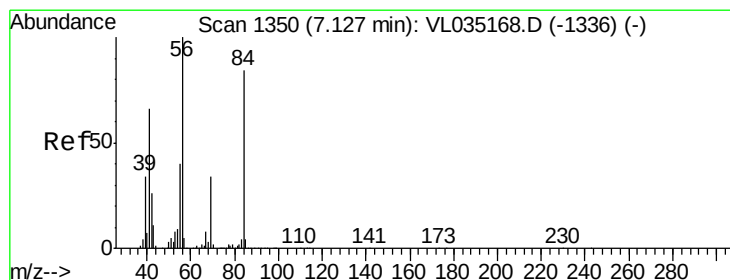
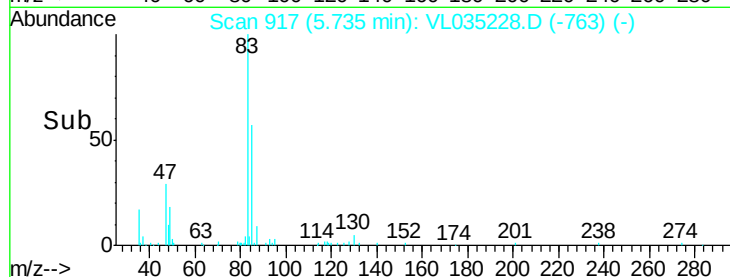
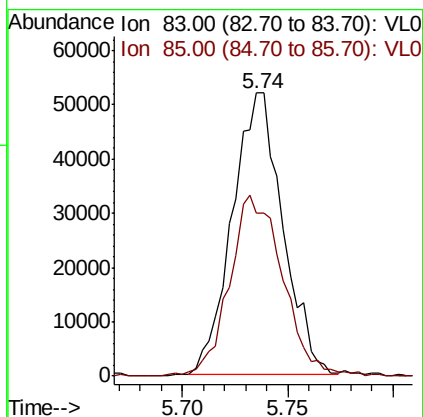
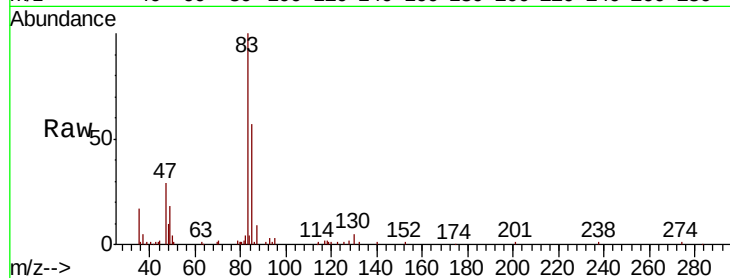




#29
Chloroform
Concen: 0.479 ppbv
RT: 5.74 min Scan# 917
Delta R.T. -0.01 min
Lab File: VL035228.D
Acq: 23 Jul 2020 14:33

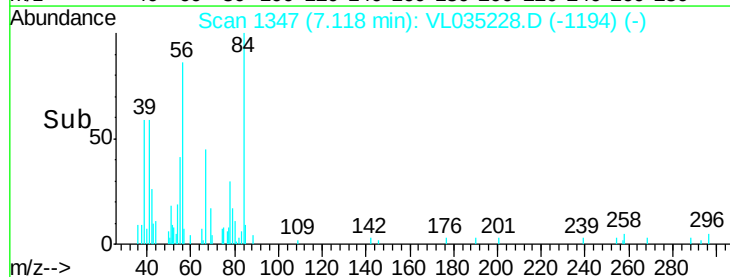
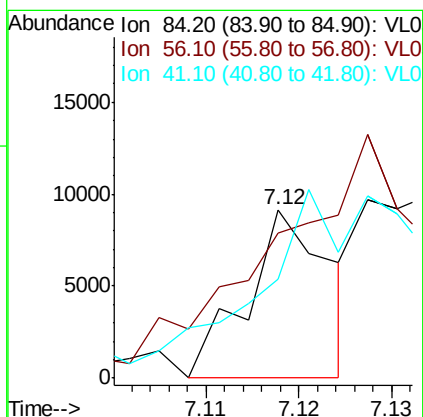
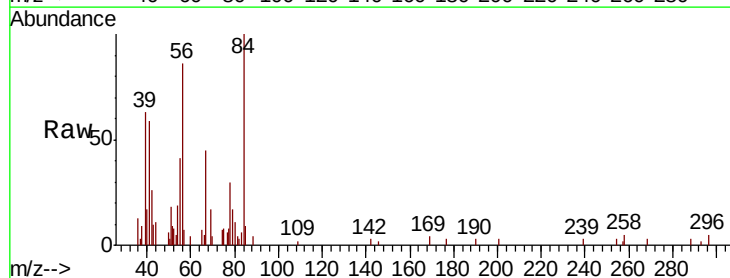
Instrument :
MSVOA_L
ClientSampled :

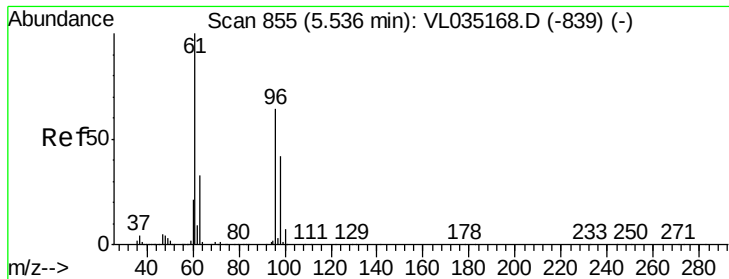
Tot Ion: 83 Resp: 86560
Ion Ratio Lower Upper
83 100
85 56.1 54.3 81.5



#30
Cyclohexane
Concen: 0.070 ppbv
RT: 7.12 min Scan# 1347
Delta R.T. -0.01 min
Lab File: VL035228.D
Acq: 23 Jul 2020 14:33

Tgt Ion: 84 Resp: 5614
Ion Ratio Lower Upper
84 100
56 0.0 105.6 158.4#
41 0.0 64.9 97.3#



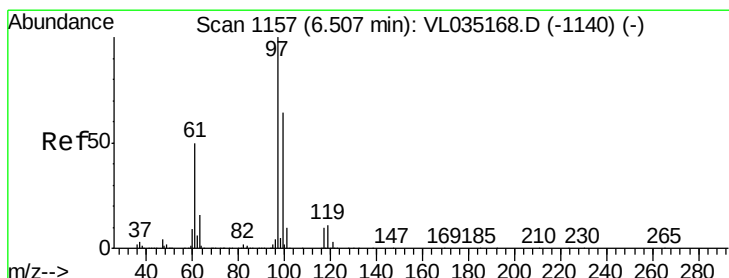
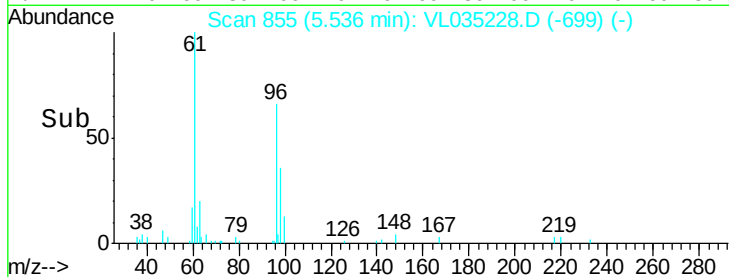
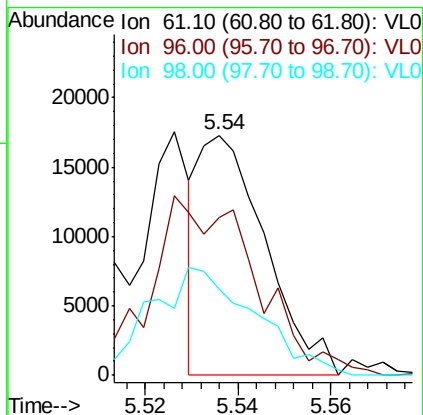
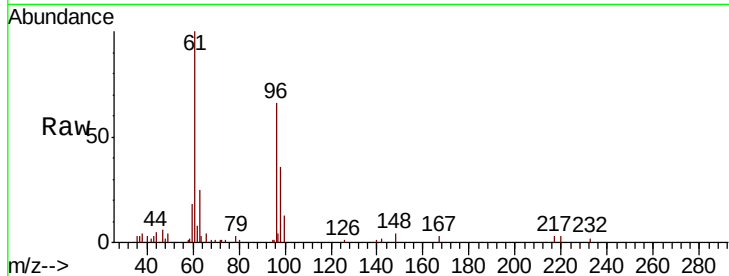


#31

cis-1,2-Dichloroethene
 Concen: 0.167 ppbv
 RT: 5.54 min Scan# 855
 Delta R.T. 0.00 min
 Lab File: VL035228.D
 Acq: 23 Jul 2020 14:33

Instrument :
 MSVOA_L
 ClientSampled :

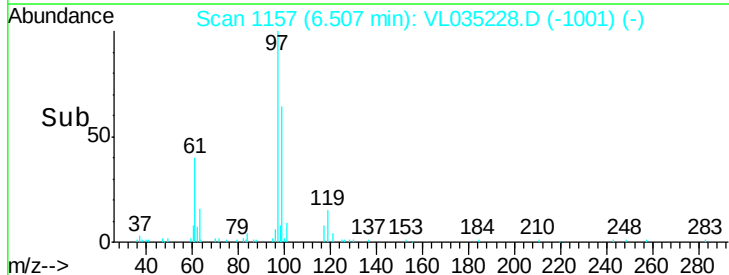
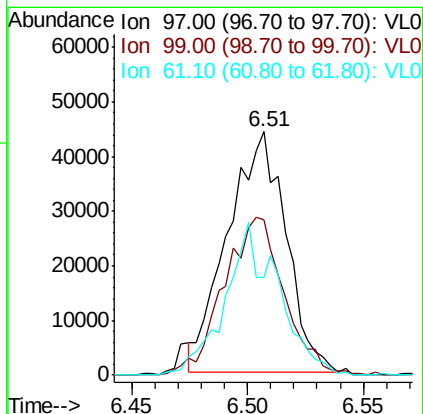
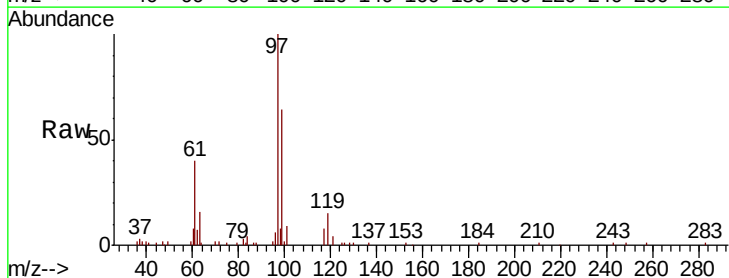
Tot Ion	61	Resp	17033
Ion Ratio	Lower	Upper	
61	100		
96	59.1	51.3	76.9
98	33.6	33.8	50.8#

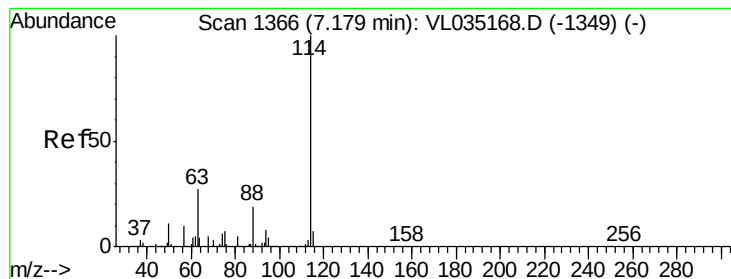


#32

1,1,1-Trichloroethane
 Concen: 0.423 ppbv
 RT: 6.51 min Scan# 1157
 Delta R.T. 0.00 min
 Lab File: VL035228.D
 Acq: 23 Jul 2020 14:33

Tgt Ion	97	Resp	76503
Ion Ratio	Lower	Upper	
97	100		
99	68.6	51.2	76.8
61	58.0	40.9	61.3





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17 min Scan# 1364

Delta R.T. -0.01 min

Lab File: VL035228.D

Acq: 23 Jul 2020 14:33

Instrument :

MSVOA_L

ClientSampleId :

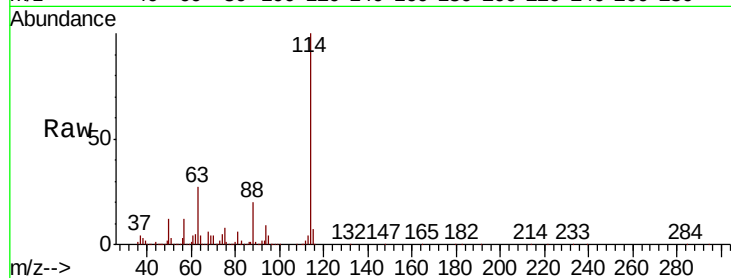
Tot Ion:114 Resp: 2928402

Ion Ratio Lower Upper

114 100

63 27.4 22.0 33.0

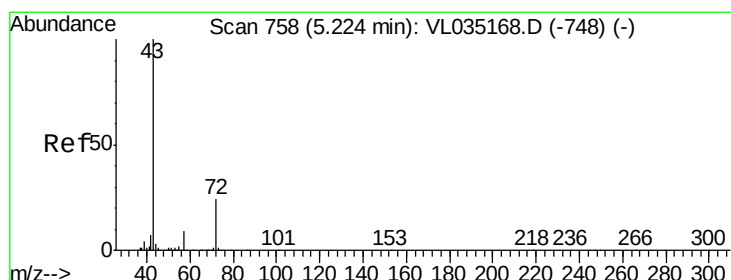
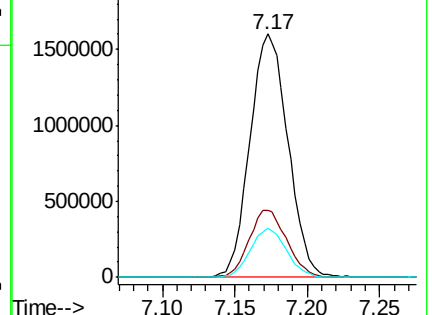
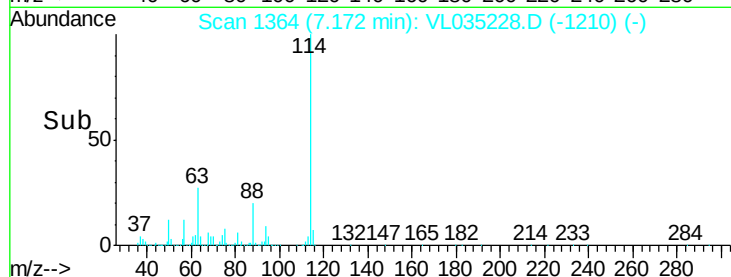
88 19.2 15.4 23.0



Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 0.331 ppbv

RT: 5.24 min Scan# 762

Delta R.T. 0.01 min

Lab File: VL035228.D

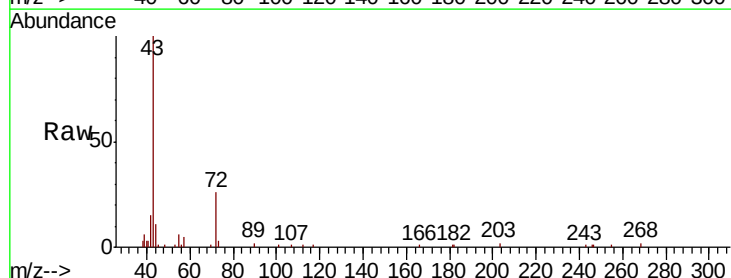
Acq: 23 Jul 2020 14:33

Tgt Ion: 43 Resp: 51759

Ion Ratio Lower Upper

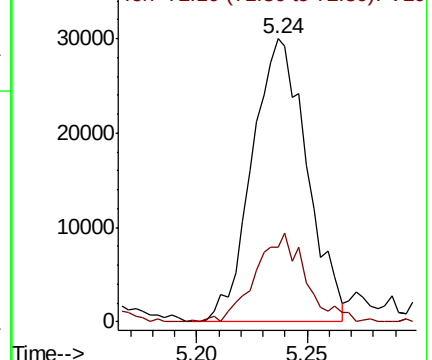
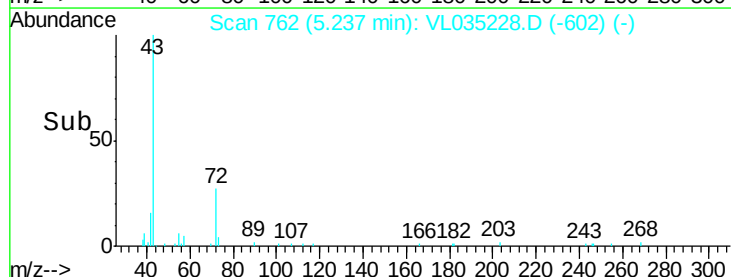
43 100

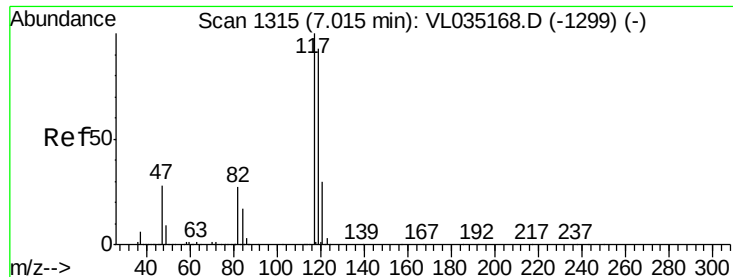
72 28.6 18.6 28.0#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

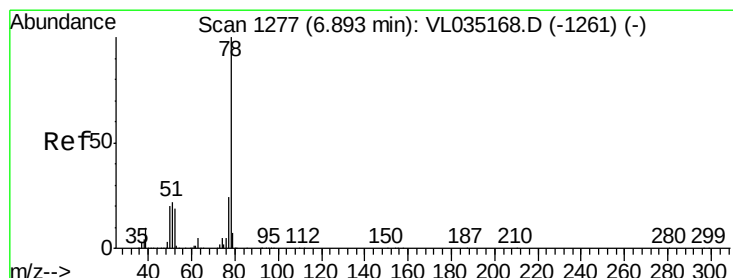
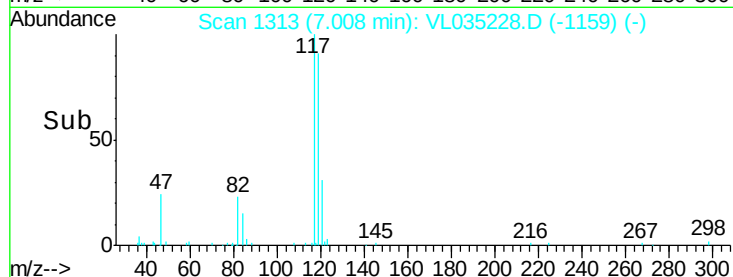
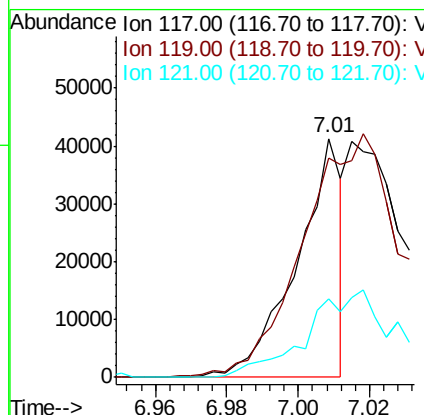
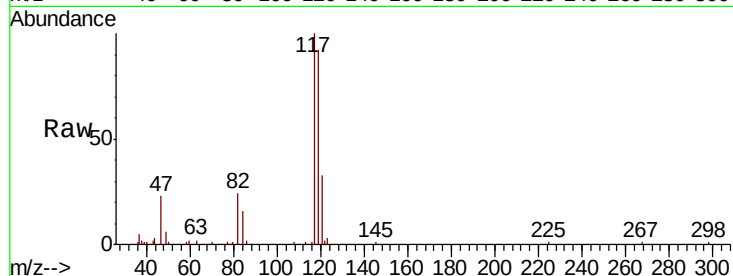




#35
Carbon Tetrachloride
Concen: 0.189 ppbv
RT: 7.01 min Scan# 1313
Delta R.T. -0.01 min
Lab File: VL035228.D
Acq: 23 Jul 2020 14:33

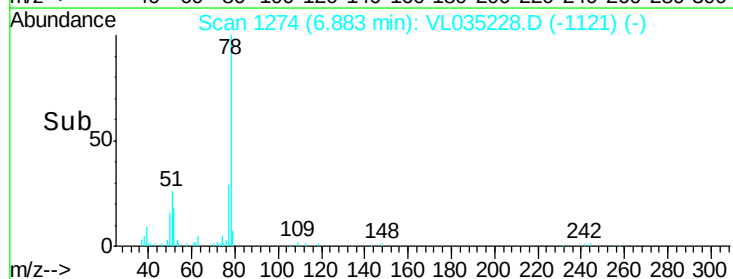
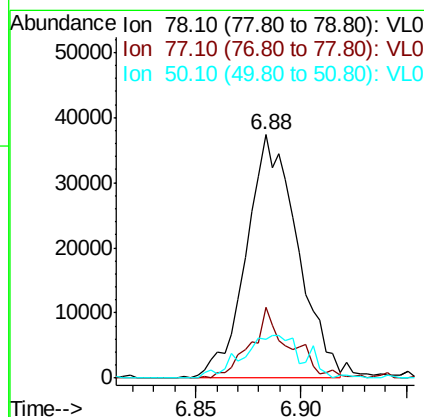
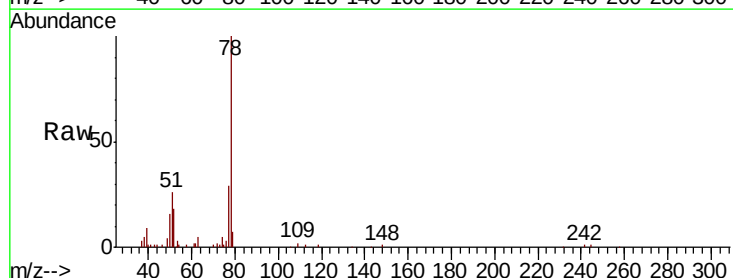
Instrument :
MSVOA_L
ClientSampleId :

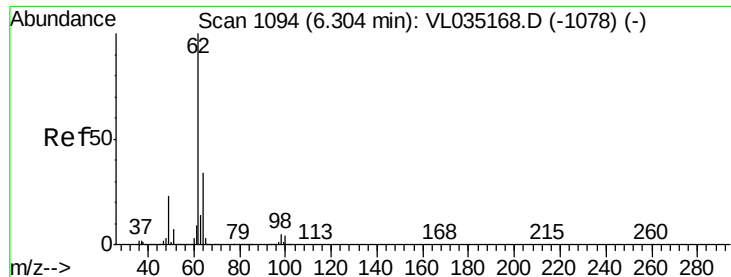
Tot Ion:117 Resp: 36009
Ion Ratio Lower Upper
117 100
119 91.3 74.8 112.2
121 32.7 24.2 36.2



#36
Benzene
Concen: 0.296 ppbv
RT: 6.88 min Scan# 1274
Delta R.T. -0.01 min
Lab File: VL035228.D
Acq: 23 Jul 2020 14:33

Tgt Ion: 78 Resp: 62710
Ion Ratio Lower Upper
78 100
77 29.3 19.3 28.9#
50 15.8 16.0 24.0#

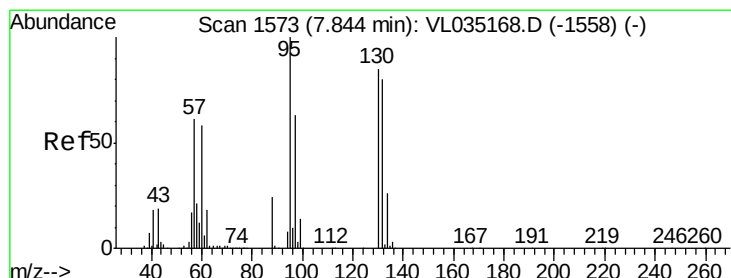
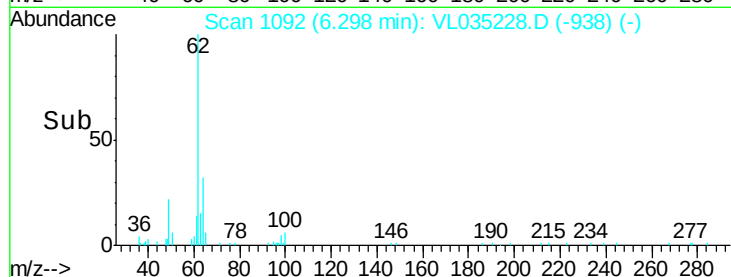
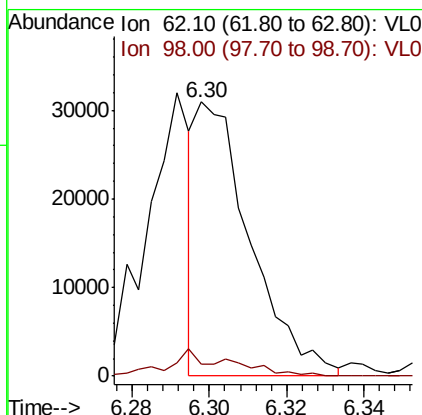
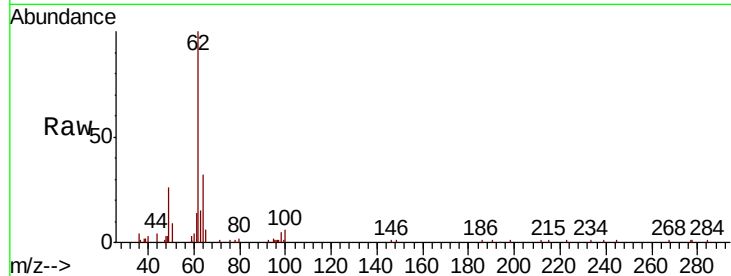




#37
 1,2-Dichloroethane
 Concen: 0.209 ppbv
 RT: 6.30 min Scan# 1092
 Delta R.T. -0.01 min
 Lab File: VL035228.D
 Acq: 23 Jul 2020 14:33

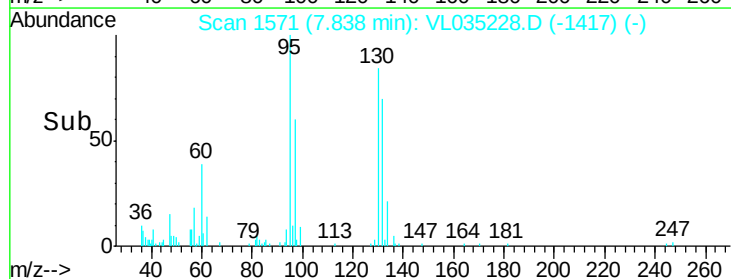
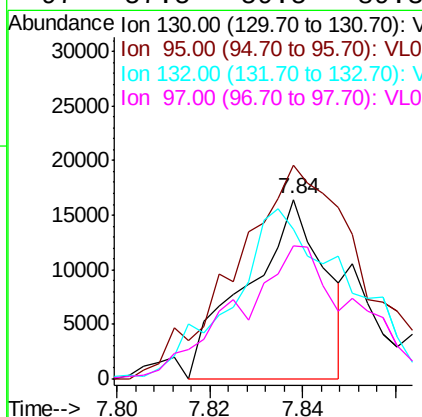
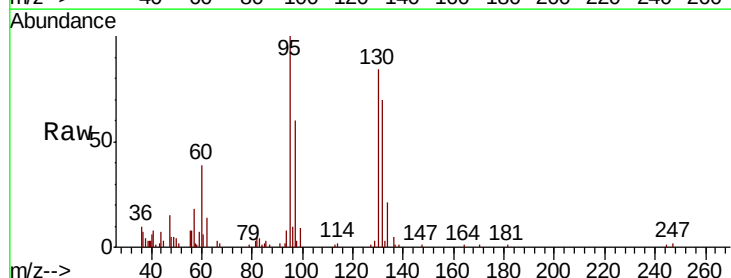
Instrument :
 MSVOA_L
 ClientSampleId :

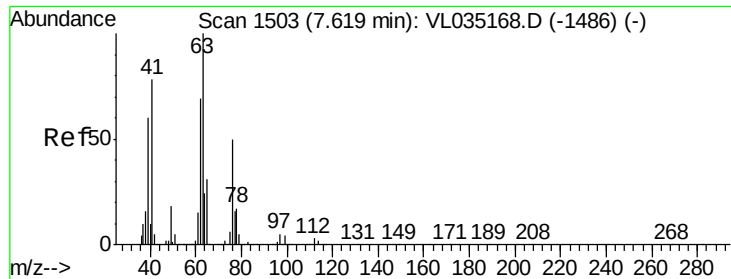
Tot Ion: 62 Resp: 29680
 Ion Ratio Lower Upper
 62 100
 98 12.4 4.6 6.8#



#38
 Trichloroethene
 Concen: 0.219 ppbv
 RT: 7.84 min Scan# 1571
 Delta R.T. -0.01 min
 Lab File: VL035228.D
 Acq: 23 Jul 2020 14:33

Tgt Ion: 130 Resp: 18908
 Ion Ratio Lower Upper
 130 100
 95 97.5 93.8 140.8
 132 52.6 75.0 112.4#
 97 57.5 59.5 89.3#





#39

1,2-Dichloropropane

Concen: 0.207 ppbv

RT: 7.62 min Scan# 1502

Delta R.T. -0.00 min

Lab File: VL035228.D

Acq: 23 Jul 2020 14:33

Instrument :

MSVOA_L

ClientSampleId :

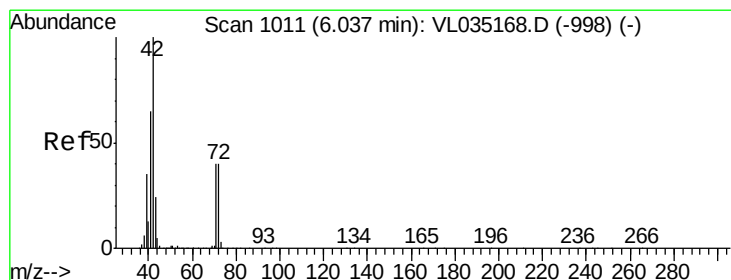
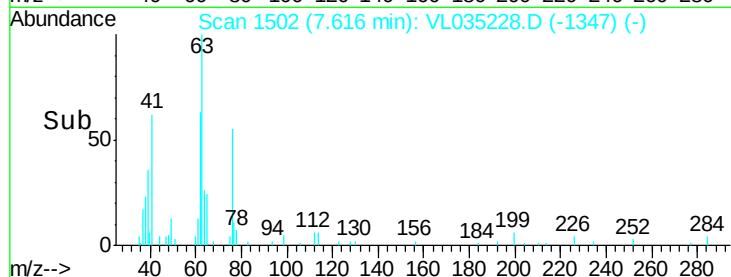
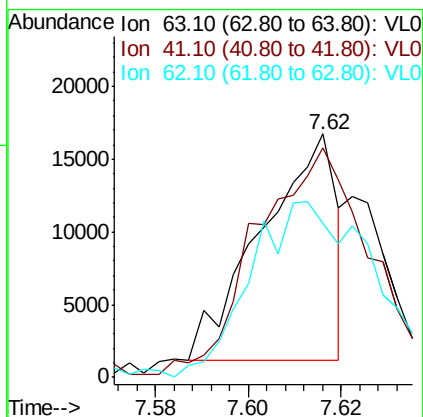
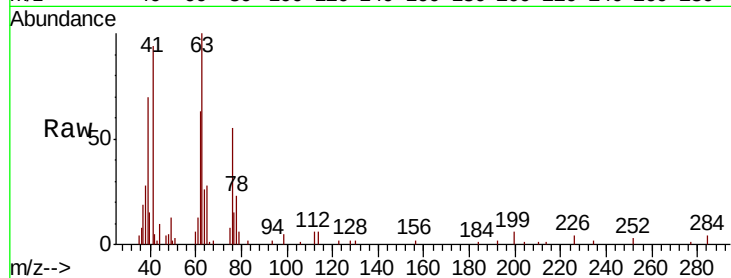
Tot Ion: 63 Resp: 17421

Ion Ratio Lower Upper

63 100

41 95.4 62.6 94.0#

62 63.0 55.0 82.6



#41

Tetrahydrofuran

Concen: 0.203 ppbv

RT: 6.06 min Scan# 1018

Delta R.T. 0.02 min

Lab File: VL035228.D

Acq: 23 Jul 2020 14:33

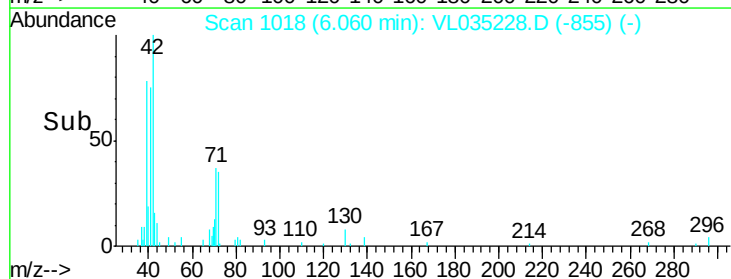
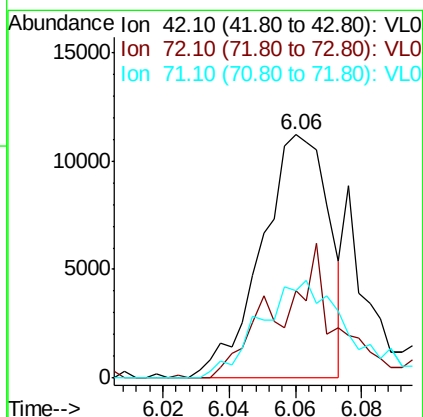
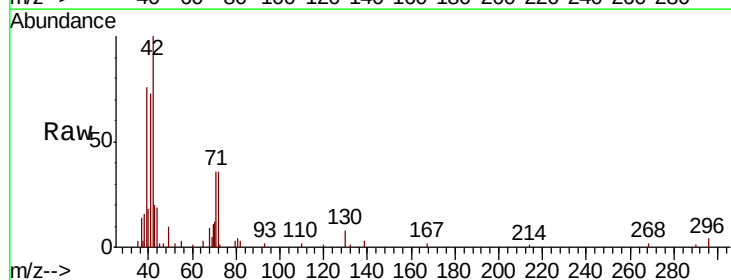
Tgt Ion: 42 Resp: 15861

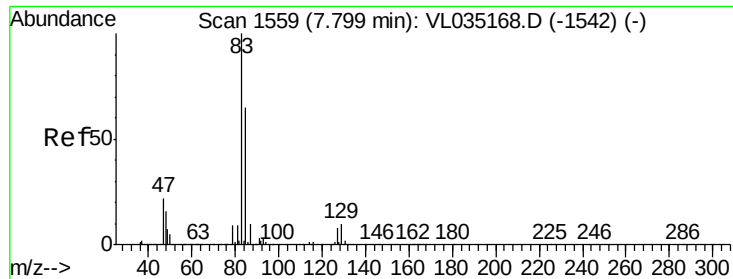
Ion Ratio Lower Upper

42 100

72 49.1 33.4 50.2

71 53.2 31.9 47.9#





#42

Bromodichloromethane

Concen: 0.159 ppbv

RT: 7.80 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VL035228.D

Acq: 23 Jul 2020 14:33

Instrument :

MSVOA_L

ClientSampled :

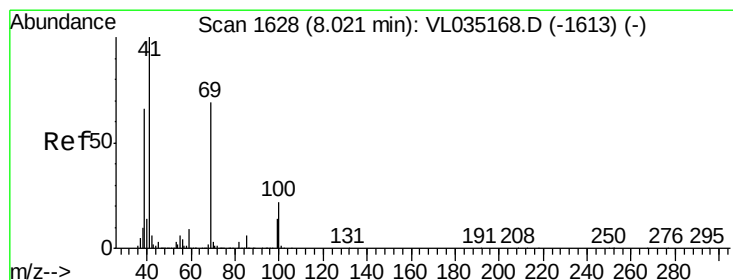
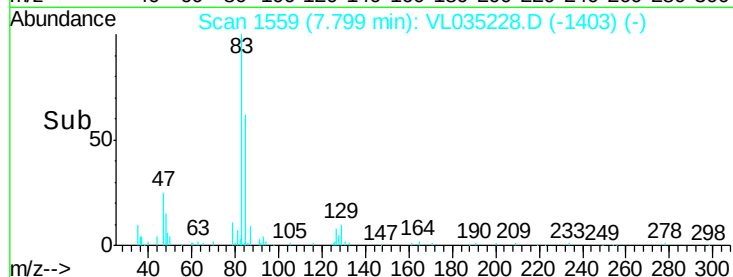
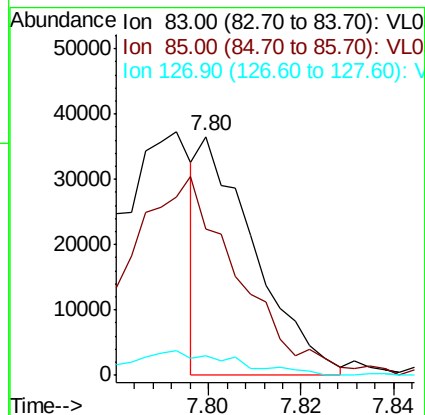
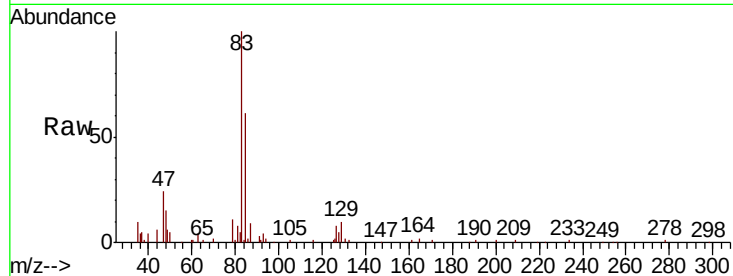
Tot Ion: 83 Resp: 30137

Ion Ratio Lower Upper

83 100

85 59.9 52.2 78.4

127 8.6 6.3 9.5



#43

Methyl Methacrylate

Concen: 0.079 ppbv

RT: 8.01 min Scan# 1625

Delta R.T. -0.01 min

Lab File: VL035228.D

Acq: 23 Jul 2020 14:33

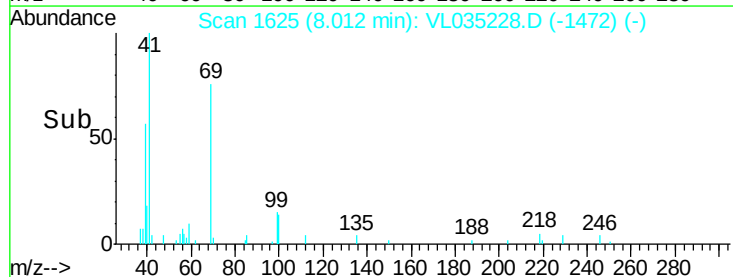
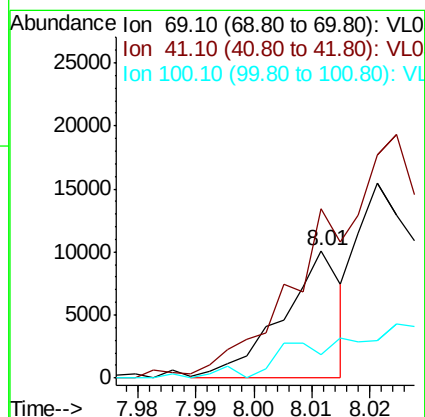
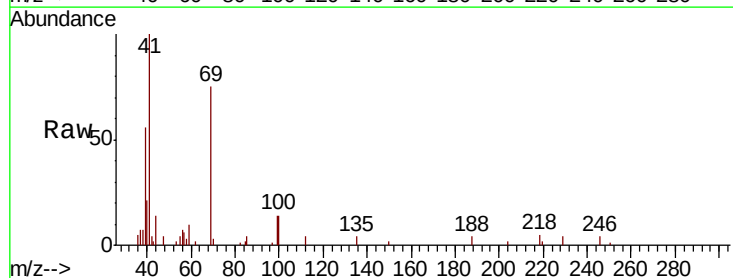
Tgt Ion: 69 Resp: 7121

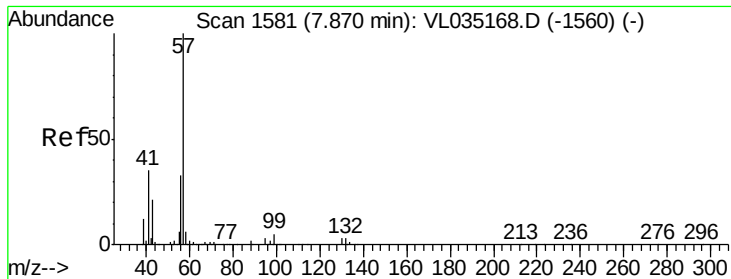
Ion Ratio Lower Upper

69 100

41 0.0 116.3 174.5#

100 0.0 25.6 38.4#

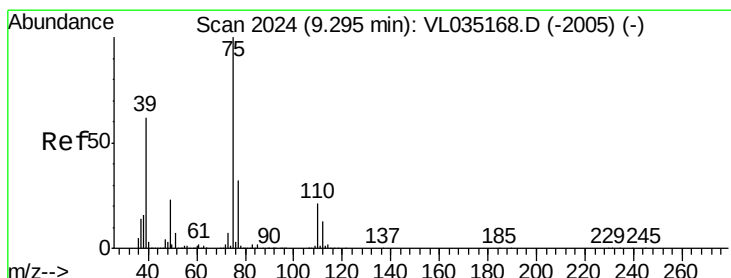
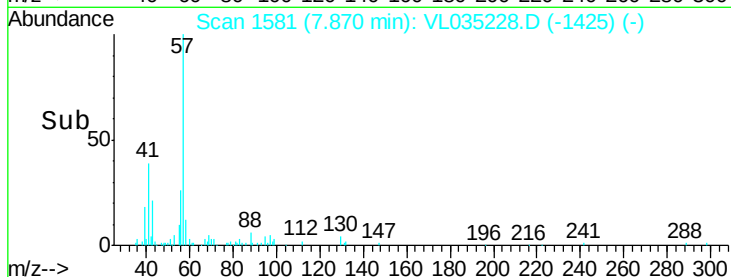
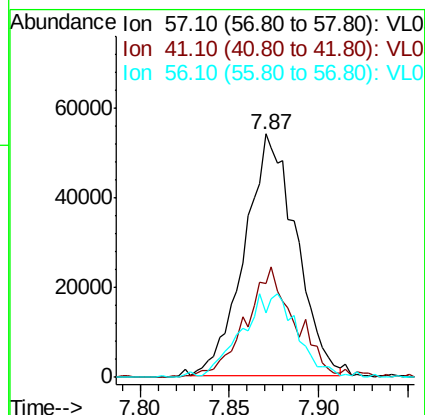
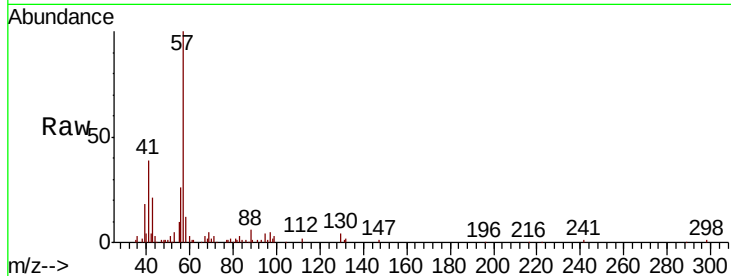




#44
 2,2,4-Trimethylpentane
 Concen: 0.297 ppbv
 RT: 7.87 min Scan# 1581
 Delta R.T. 0.00 min
 Lab File: VL035228.D
 Acq: 23 Jul 2020 14:33

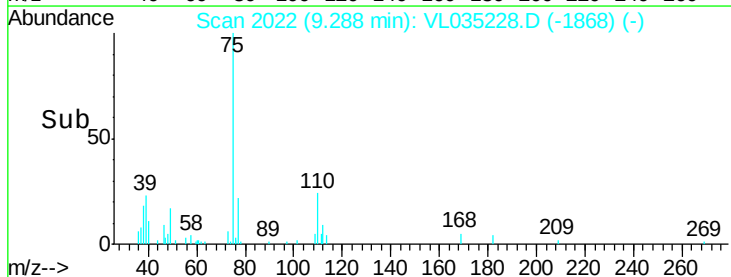
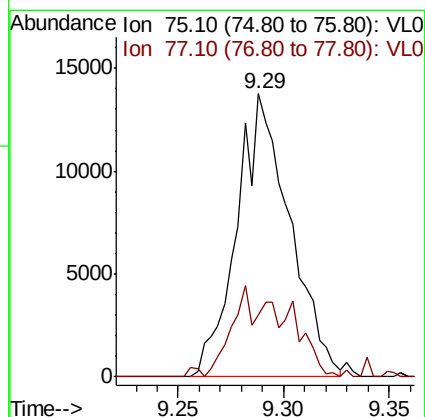
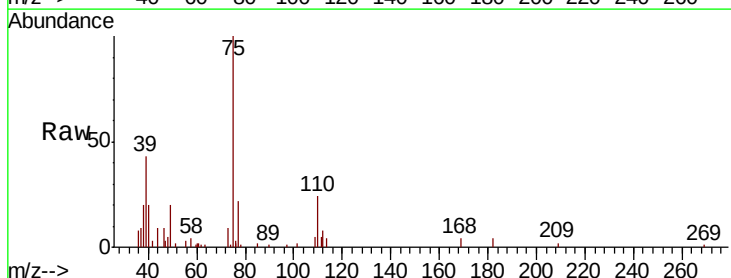
Instrument :
 MSVOA_L
 ClientSampleId :

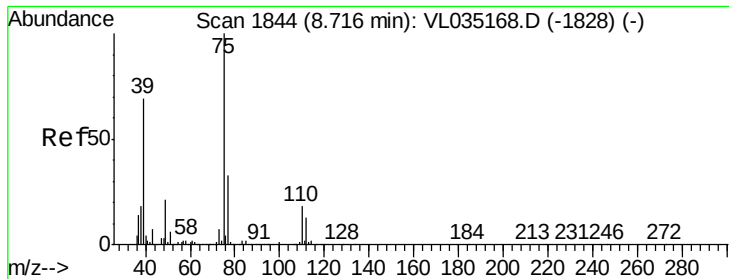
Tot Ion: 57 Resp: 108795
 Ion Ratio Lower Upper
 57 100
 41 44.4 27.0 40.6#
 56 38.1 25.5 38.3



#45
 t-1,3-Dichloropropene
 Concen: 0.255 ppbv
 RT: 9.29 min Scan# 2022
 Delta R.T. -0.01 min
 Lab File: VL035228.D
 Acq: 23 Jul 2020 14:33

Tgt Ion: 75 Resp: 24031
 Ion Ratio Lower Upper
 75 100
 77 21.5 25.8 38.8#



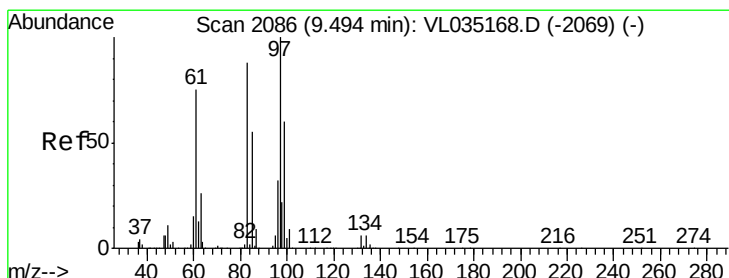
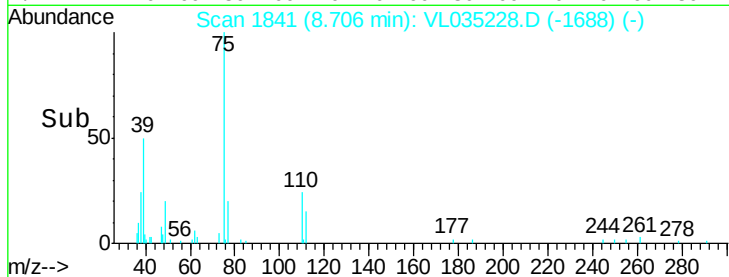
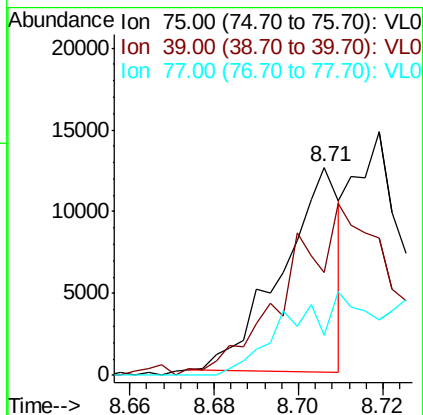
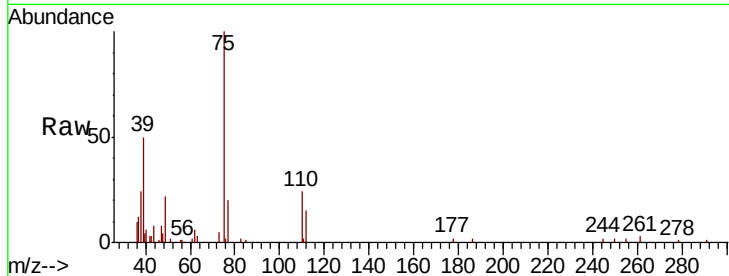


#46

cis-1,3-Dichloropropene
 Concen: 0.107 ppbv
 RT: 8.71 min Scan# 1841
 Delta R.T. -0.01 min
 Lab File: VL035228.D
 Acq: 23 Jul 2020 14:33

Instrument :
 MSVOA_L
 ClientSampleId :

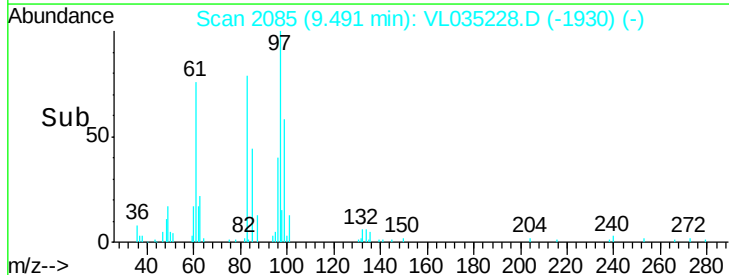
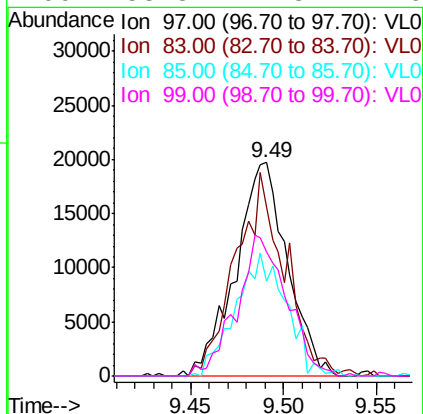
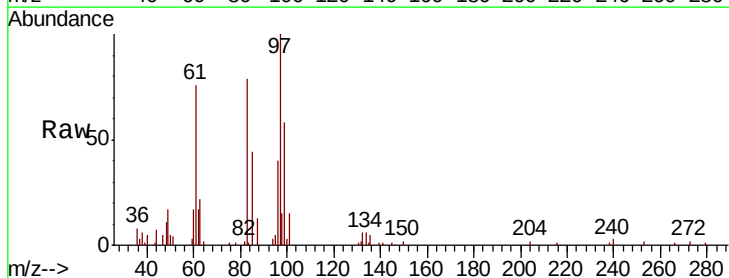
Tot Ion	Ratio	Lower	Upper
75	100		
39	47.8	55.2	82.8#
77	20.1	26.0	39.0#

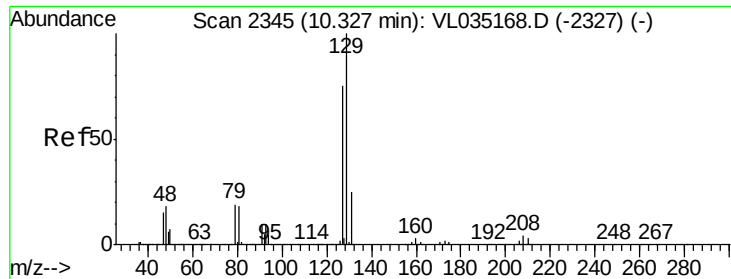


#47

1,1,2-Trichloroethane
 Concen: 0.415 ppbv
 RT: 9.49 min Scan# 2085
 Delta R.T. -0.00 min
 Lab File: VL035228.D
 Acq: 23 Jul 2020 14:33

Tgt Ion	Ratio	Lower	Upper
97	100		
83	80.7	70.3	105.5
85	44.3	44.3	66.5
99	58.3	47.8	71.6





#48

Dibromochloromethane

Concen: 0.367 ppbv

RT: 10.32 min Scan# 2342

Delta R.T. -0.01 min

Lab File: VL035228.D

Acq: 23 Jul 2020 14:33

Instrument :

MSVOA_L

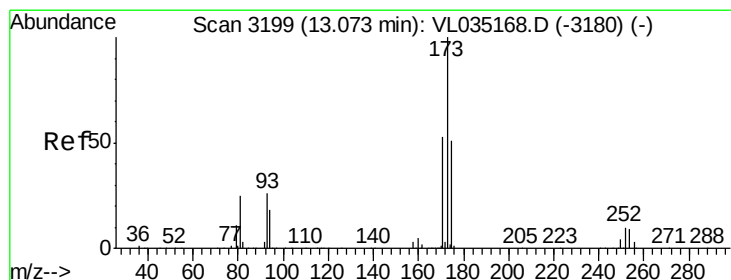
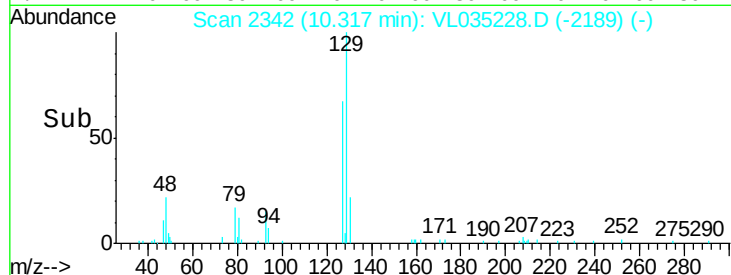
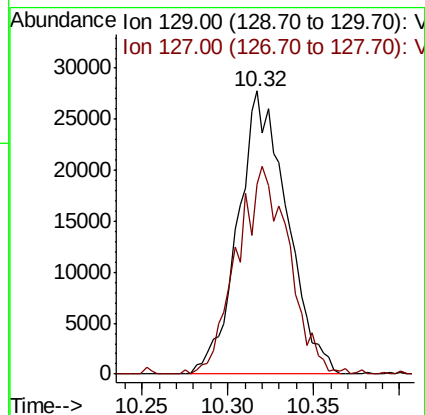
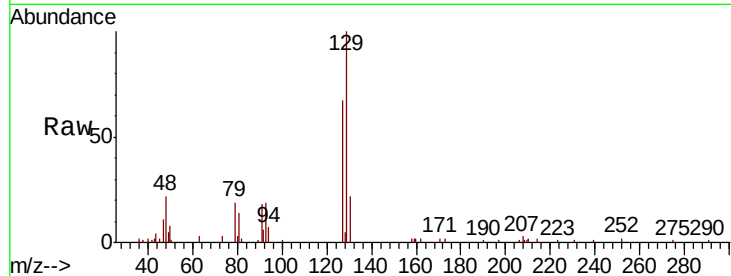
ClientSampleId :

Tot Ion:129 Resp: 55043

Ion Ratio Lower Upper

129 100

127 77.9 38.8 116.3



#49

Bromoform

Concen: 0.142 ppbv

RT: 13.06 min Scan# 3195

Delta R.T. -0.01 min

Lab File: VL035228.D

Acq: 23 Jul 2020 14:33

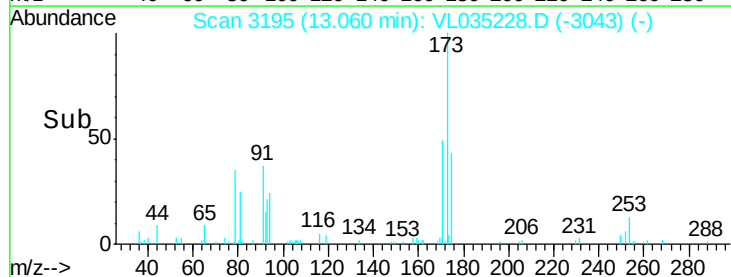
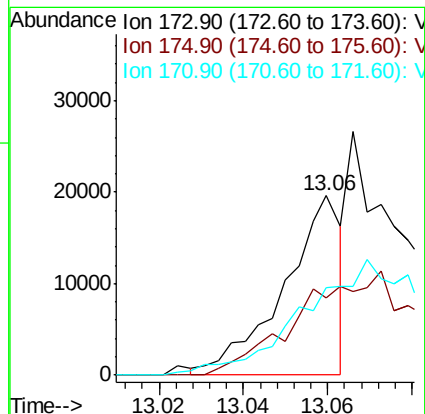
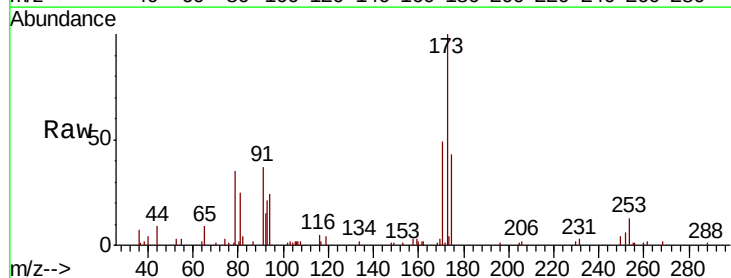
Tgt Ion:173 Resp: 18611

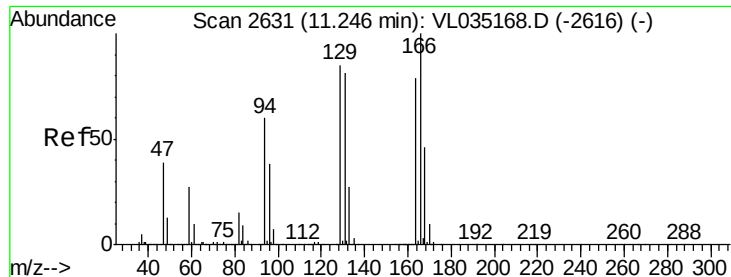
Ion Ratio Lower Upper

173 100

175 0.0 39.7 59.5#

171 0.0 41.6 62.4#





#52

Tetrachloroethene

Concen: 0.191 ppbv

RT: 11.24 min Scan# 2629

Delta R.T. -0.01 min

Lab File: VL035228.D

Acq: 23 Jul 2020 14:33

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:164 Resp: 15123

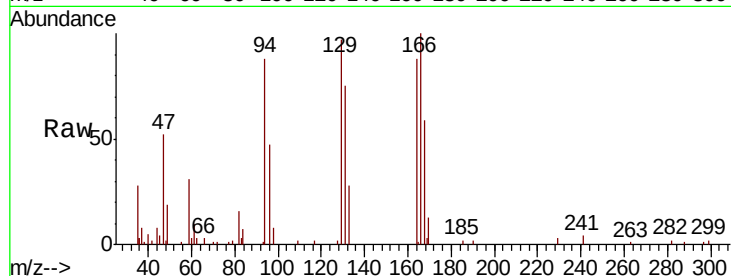
Ion Ratio Lower Upper

164 100

166 98.4 100.7 151.1#

129 119.7 85.8 128.6

131 85.4 82.0 123.0



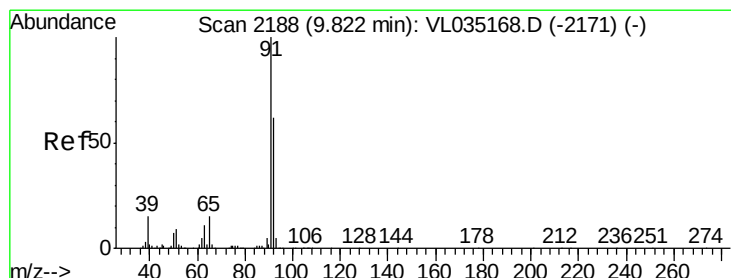
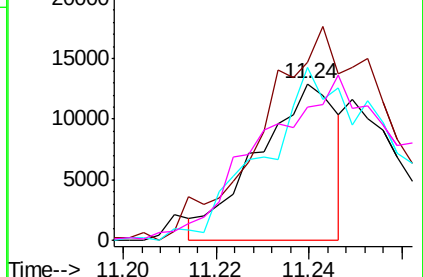
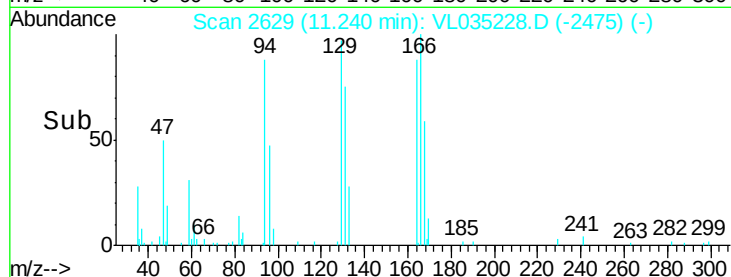
Abundance Ion 163.90 (163.60 to 164.60): V

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

Time-->



#53

Toluene

Concen: 0.172 ppbv

RT: 9.82 min Scan# 2186

Delta R.T. -0.01 min

Lab File: VL035228.D

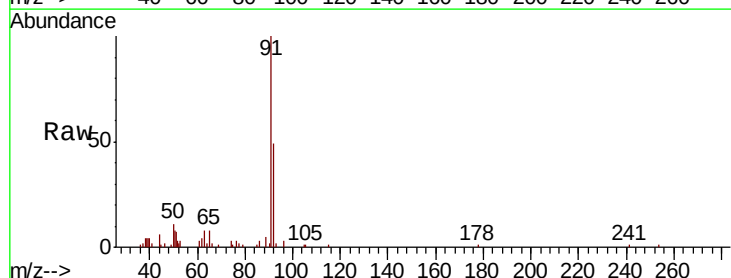
Acq: 23 Jul 2020 14:33

Tgt Ion: 91 Resp: 38432

Ion Ratio Lower Upper

91 100

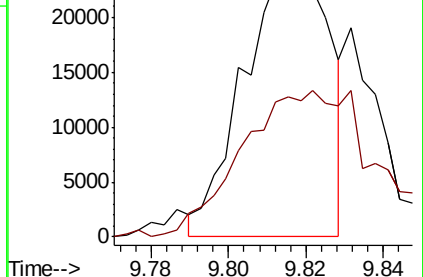
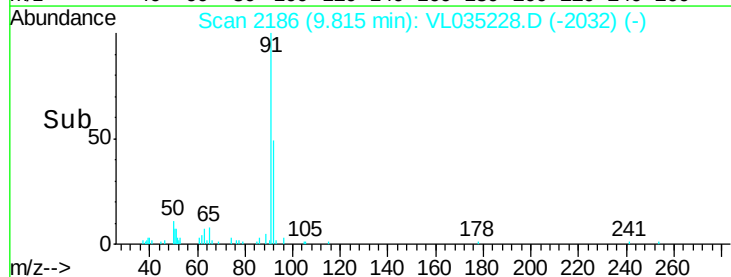
92 0.0 48.4 72.6#

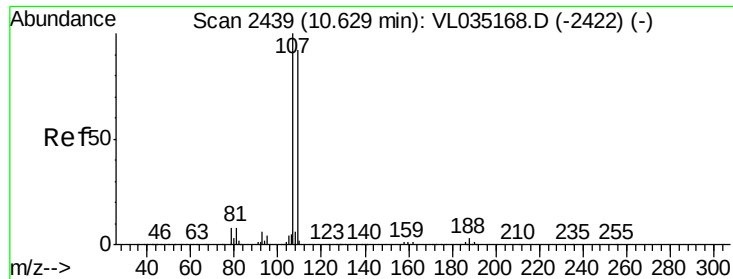


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

Time-->

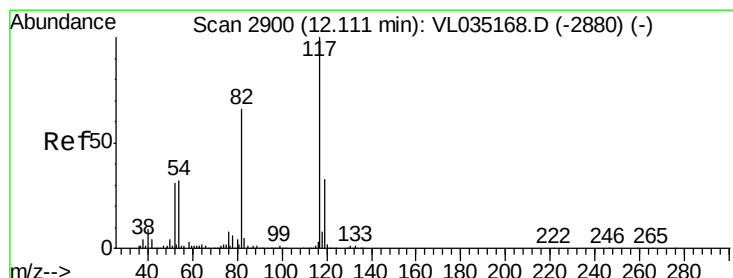
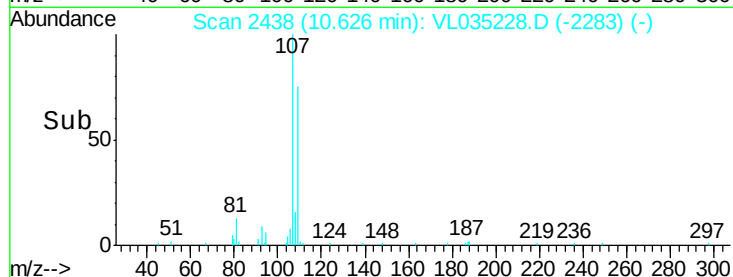
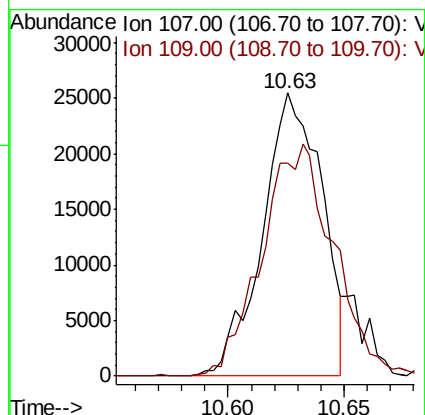
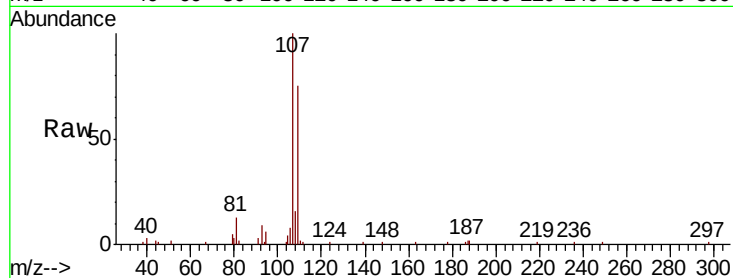




#54
 1,2-Dibromoethane
 Concen: 0.332 ppbv
 RT: 10.63 min Scan# 2438
 Delta R.T. -0.00 min
 Lab File: VL035228.D
 Acq: 23 Jul 2020 14:33

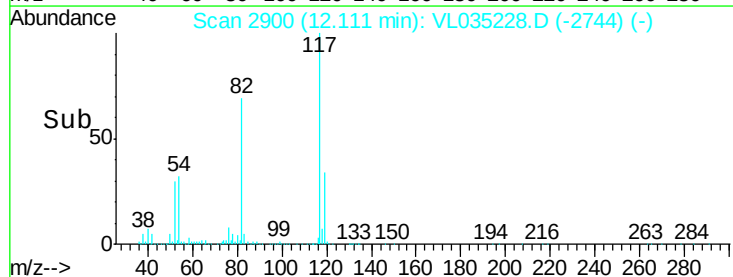
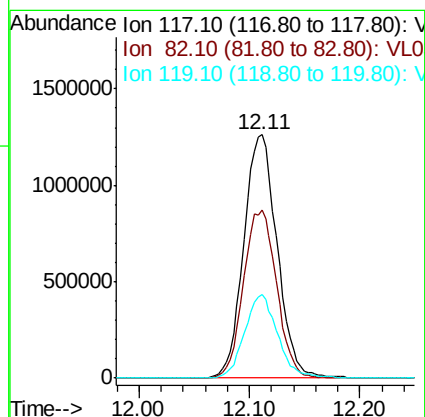
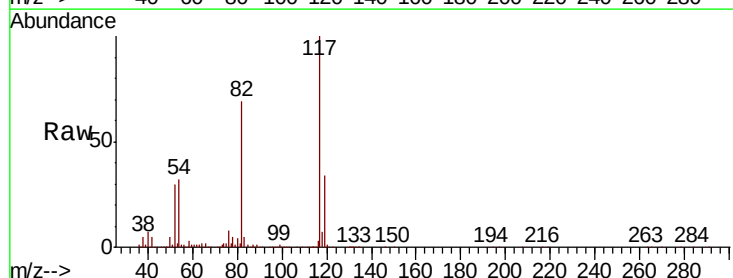
Instrument :
 MSVOA_L
 ClientSampleId :

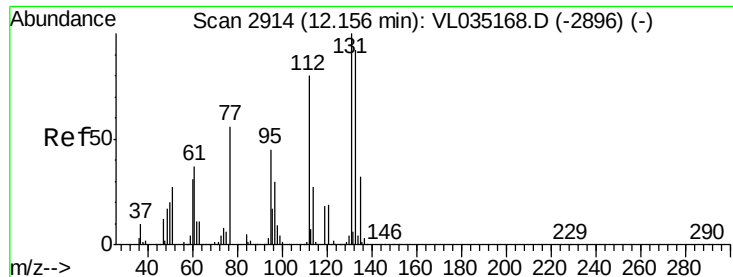
Tot Ion:107 Resp: 45422
 Ion Ratio Lower Upper
 107 100
 109 75.2 74.0 111.0



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.11 min Scan# 2900
 Delta R.T. 0.00 min
 Lab File: VL035228.D
 Acq: 23 Jul 2020 14:33

Tgt Ion:117 Resp: 2649837
 Ion Ratio Lower Upper
 117 100
 82 68.8 52.3 78.5
 119 34.2 24.9 37.3

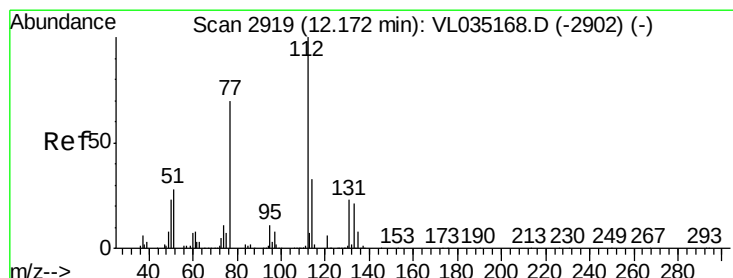
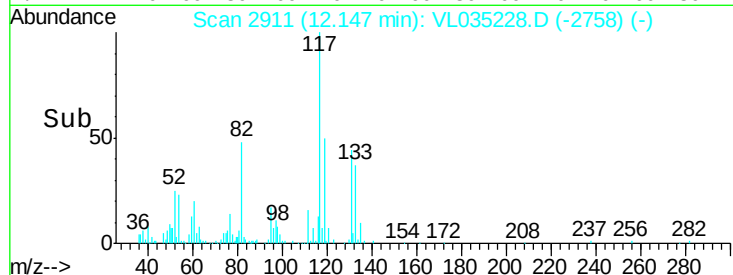
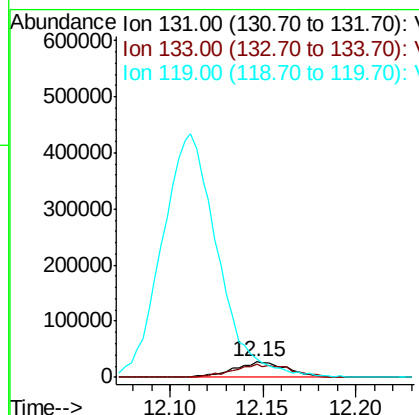
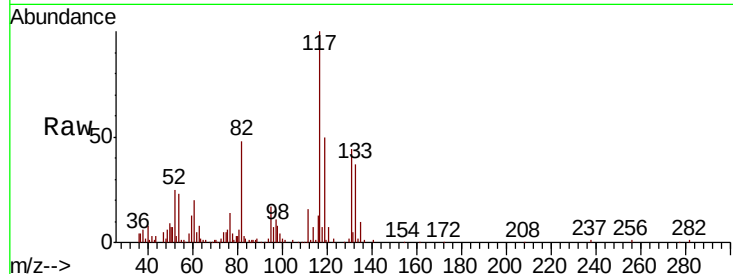




#56
 1,1,1,2-Tetrachloroethane
 Concen: 0.473 ppbv
 RT: 12.15 min Scan# 2911
 Delta R.T. -0.01 min
 Lab File: VL035228.D
 Acq: 23 Jul 2020 14:33

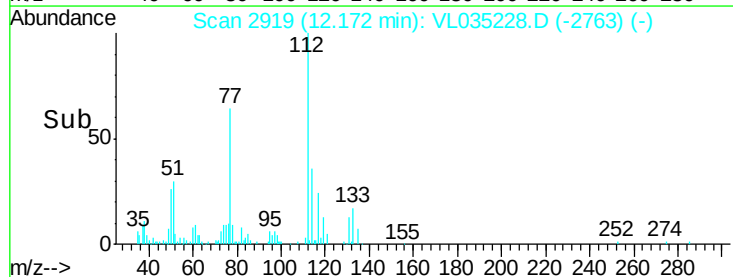
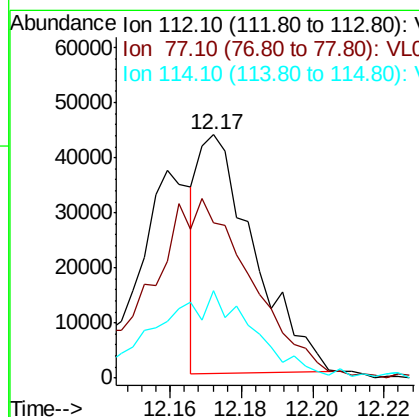
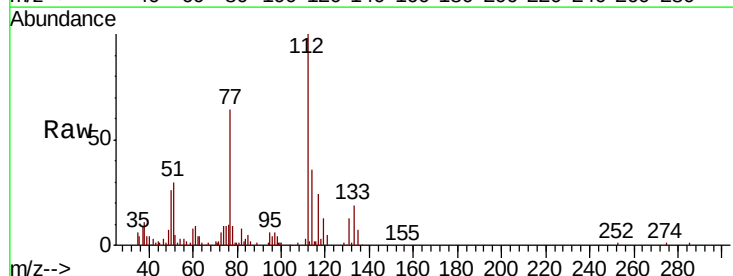
Instrument :
 MSVOA_L
 ClientSampled :

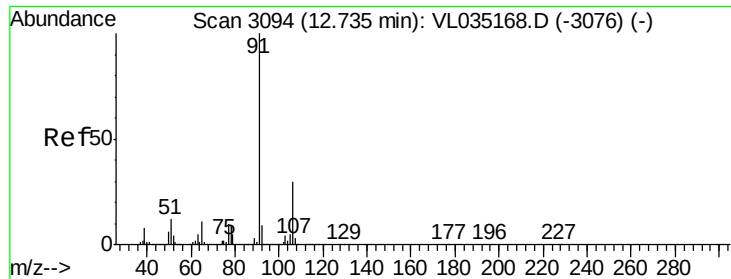
Tot Ion:131 Resp: 55493
 Ion Ratio Lower Upper
 131 100
 133 90.3 75.4 113.2
 119 1636.6 42.4 63.6#



#57
 Chlorobenzene
 Concen: 0.238 ppbv
 RT: 12.17 min Scan# 2919
 Delta R.T. 0.00 min
 Lab File: VL035228.D
 Acq: 23 Jul 2020 14:33

Tgt Ion:112 Resp: 46518
 Ion Ratio Lower Upper
 112 100
 77 61.7 57.0 85.4
 114 32.2 30.2 37.0





#58

Ethyl Benzene

Concen: 0.196 ppbv

RT: 12.73 min Scan# 3093

Delta R.T. -0.00 min

Lab File: VL035228.D

Acq: 23 Jul 2020 14:33

Instrument :

MSVOA_L

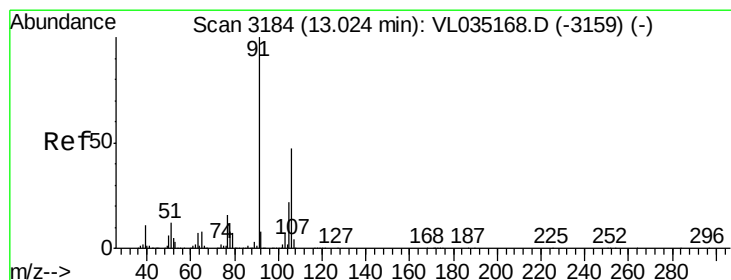
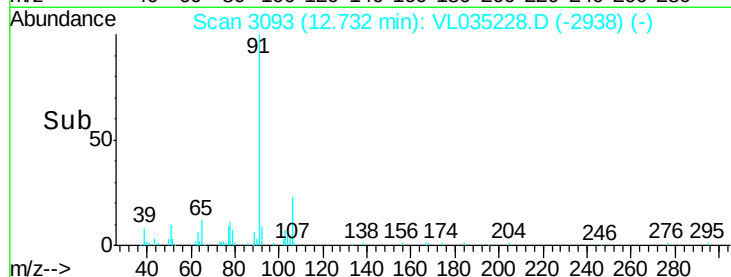
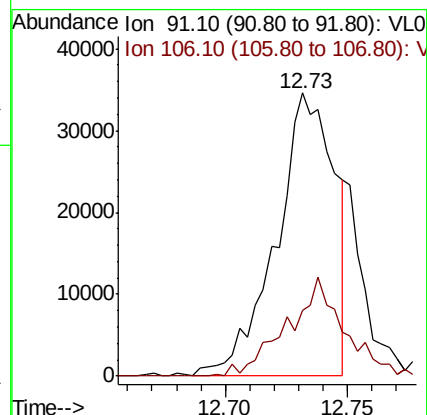
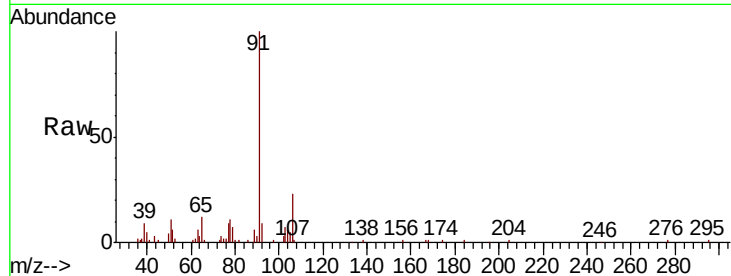
ClientSampleId :

Tot Ion: 91 Resp: 57404

Ion Ratio Lower Upper

91 100

106 24.4 24.2 36.2



#59

m/p-Xylene

Concen: 0.202 ppbv

RT: 13.03 min Scan# 3185

Delta R.T. 0.00 min

Lab File: VL035228.D

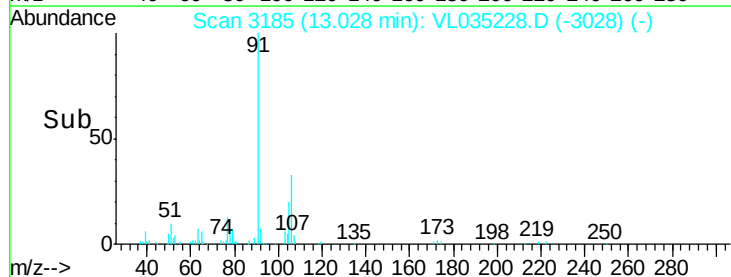
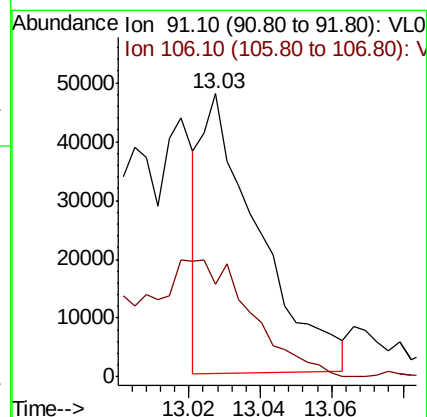
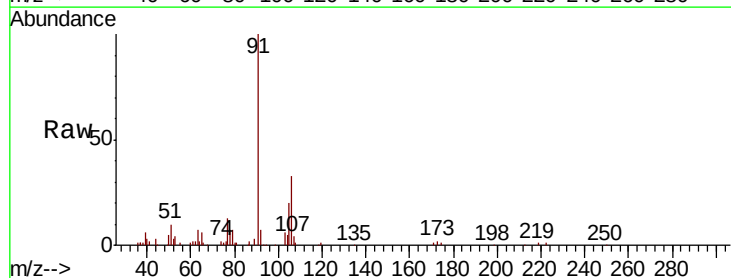
Acq: 23 Jul 2020 14:33

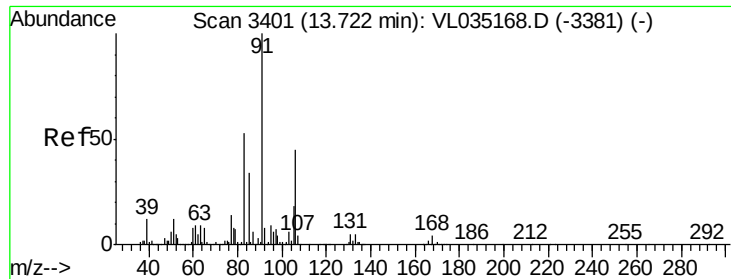
Tgt Ion: 91 Resp: 52769

Ion Ratio Lower Upper

91 100

106 118.5 36.2 54.2#





#60

o-Xylene

Concen: 0.279 ppbv

RT: 13.72 min Scan# 3400

Delta R.T. -0.00 min

Lab File: VL035228.D

Acq: 23 Jul 2020 14:33

Instrument :

MSVOA_L

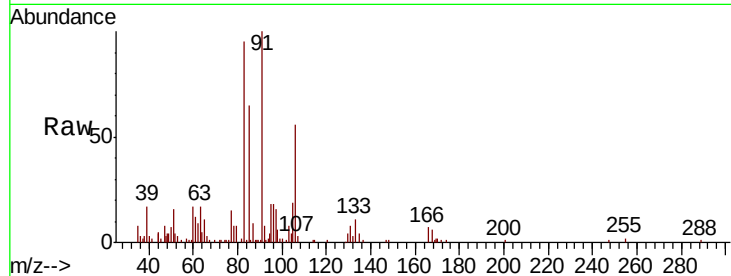
ClientSampleId :

Tot Ion: 91 Resp: 72668

Ion Ratio Lower Upper

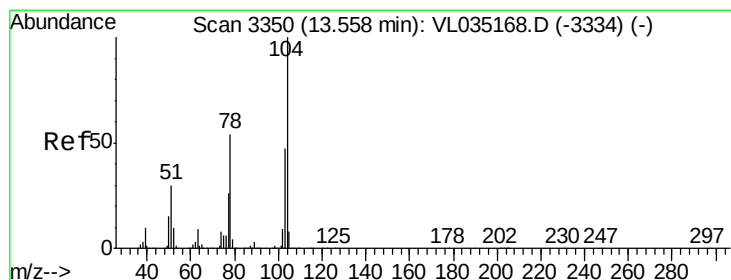
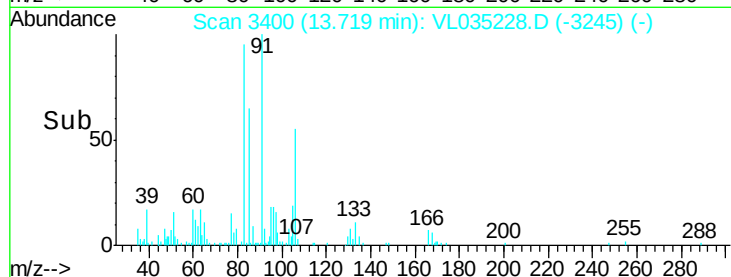
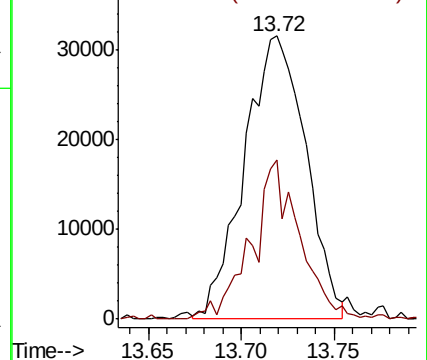
91 100

106 44.1 22.1 66.3



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#61

Styrene

Concen: 0.076 ppbv

RT: 13.56 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VL035228.D

Acq: 23 Jul 2020 14:33

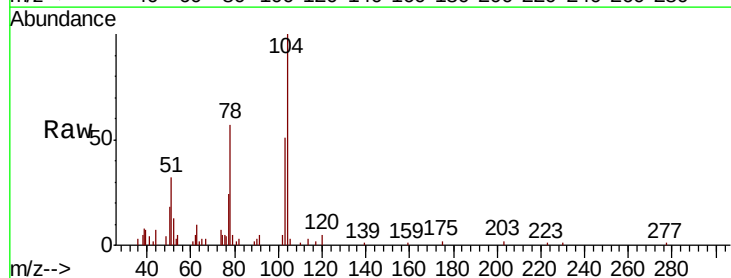
Tgt Ion: 104 Resp: 12297

Ion Ratio Lower Upper

104 100

78 158.7 43.4 65.0#

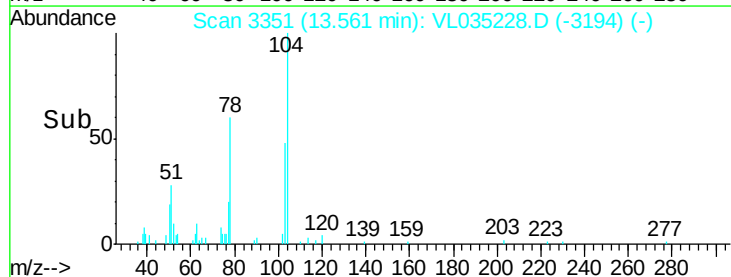
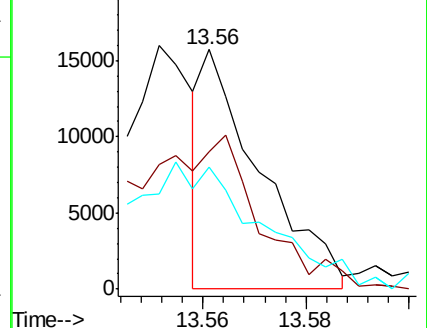
103 0.0 37.4 56.0#

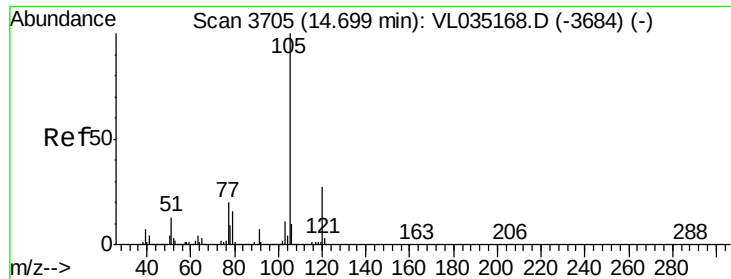


Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V





#62

Isopropylbenzene

Concen: 0.323 ppbv

RT: 14.70 min Scan# 3704

Delta R.T. -0.00 min

Lab File: VL035228.D

Acq: 23 Jul 2020 14:33

Instrument :

MSVOA_L

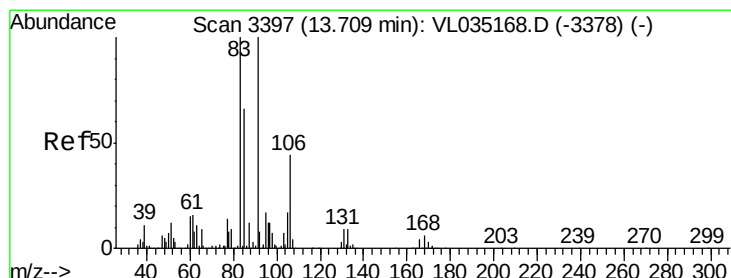
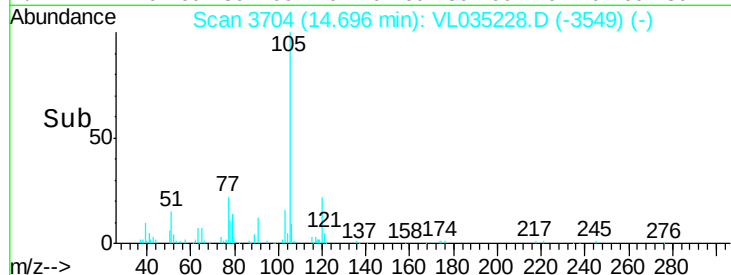
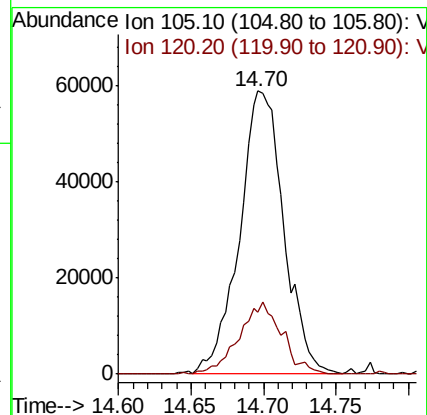
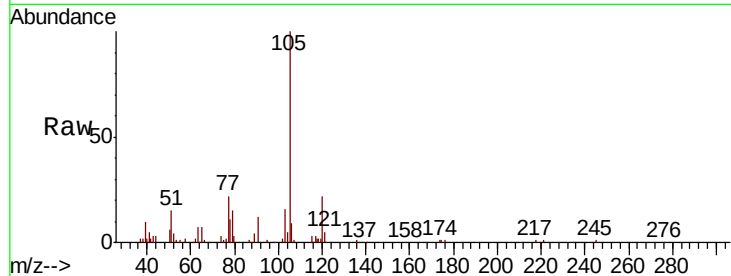
ClientSampleId :

Tot Ion:105 Resp: 124706

Ion Ratio Lower Upper

105 100

120 24.6 20.7 31.1



#63

1,1,2,2-Tetrachloroethane

Concen: 0.264 ppbv

RT: 13.71 min Scan# 3397

Delta R.T. 0.00 min

Lab File: VL035228.D

Acq: 23 Jul 2020 14:33

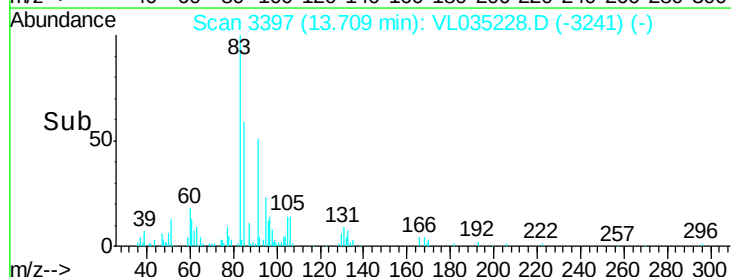
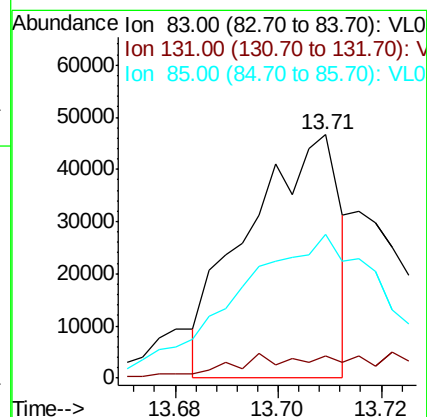
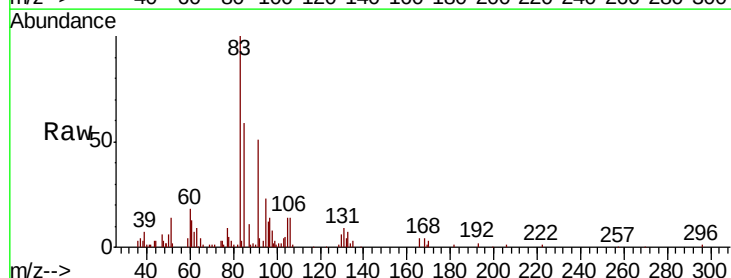
Tgt Ion: 83 Resp: 57502

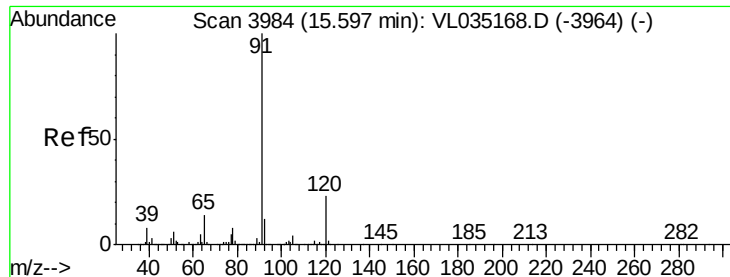
Ion Ratio Lower Upper

83 100

131 0.0 4.7 14.0#

85 103.2 33.0 99.0#





#64

n-propylbenzene

Concen: 0.197 ppbv

RT: 15.60 min Scan# 3984

Delta R.T. 0.00 min

Lab File: VL035228.D

Acq: 23 Jul 2020 14:33

Instrument :

MSVOA_L

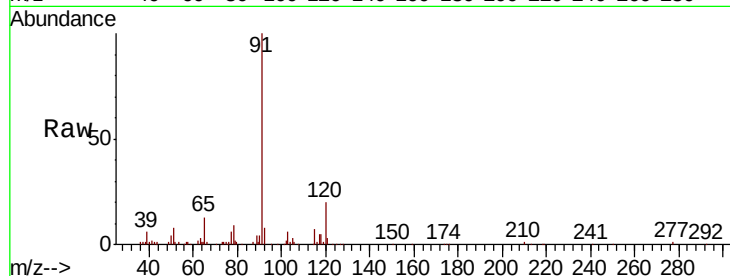
ClientSampleId :

Tot Ion:120 Resp: 19603

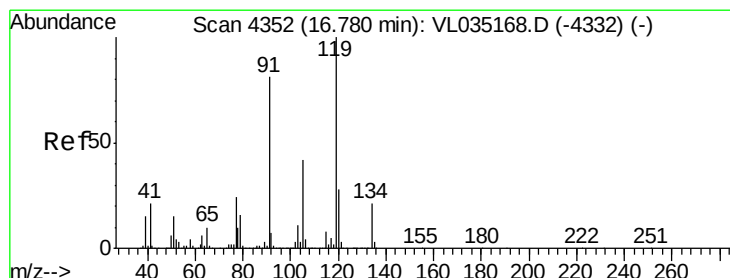
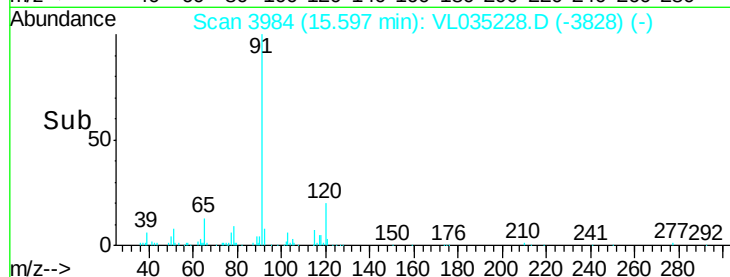
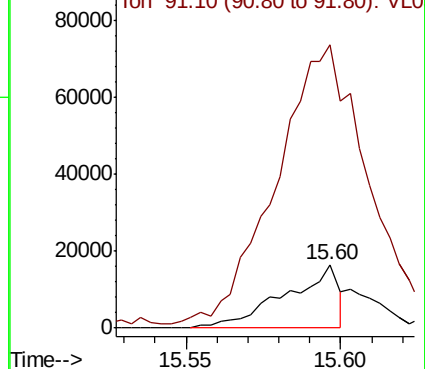
Ion Ratio Lower Upper

120 100

91 806.1 372.4 558.6#



Abundance Ion 120.20 (119.90 to 120.90): V



#65

tert-Butylbenzene

Concen: 0.290 ppbv

RT: 16.79 min Scan# 4354

Delta R.T. 0.01 min

Lab File: VL035228.D

Acq: 23 Jul 2020 14:33

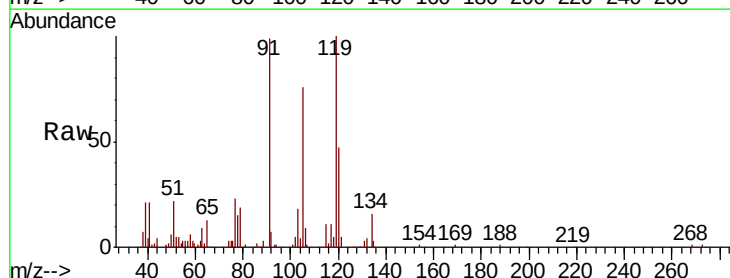
Tgt Ion:119 Resp: 100469

Ion Ratio Lower Upper

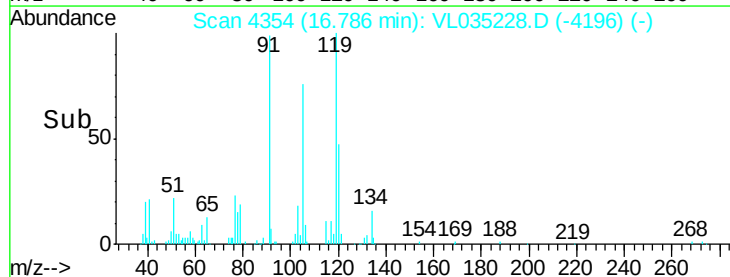
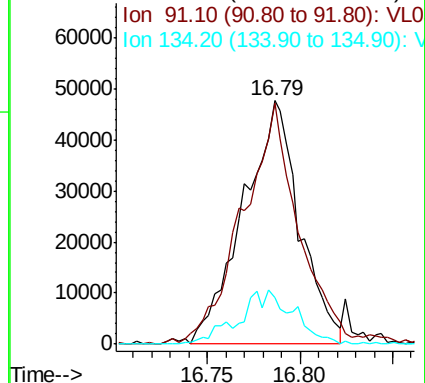
119 100

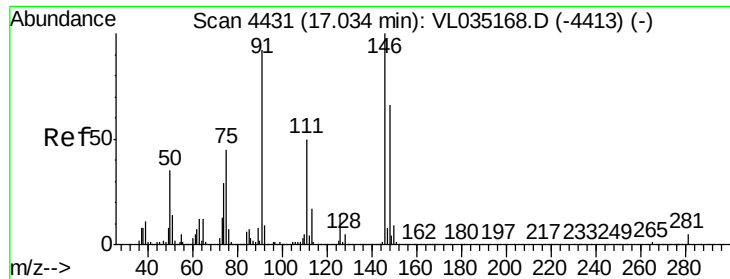
91 100.8 67.5 101.3

134 21.5 16.0 24.0



Abundance Ion 119.20 (118.90 to 119.90): V

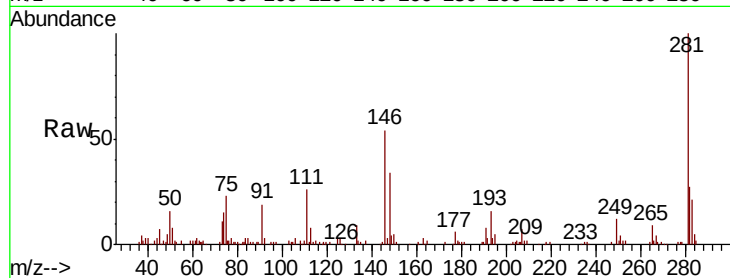




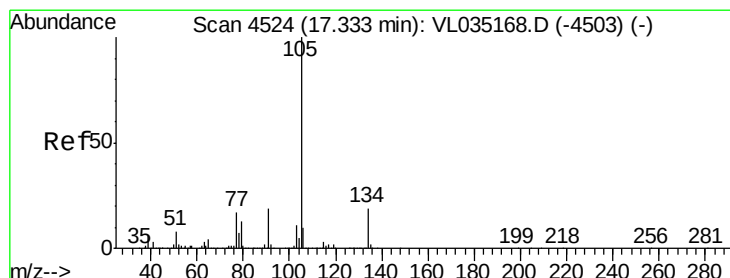
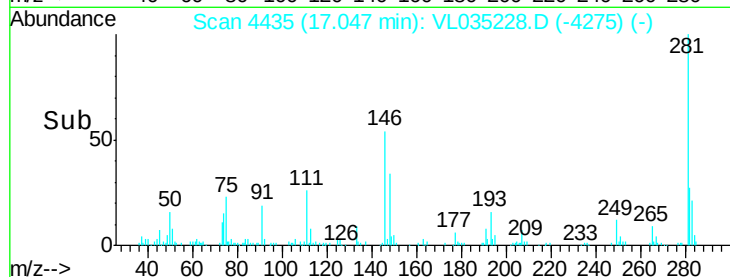
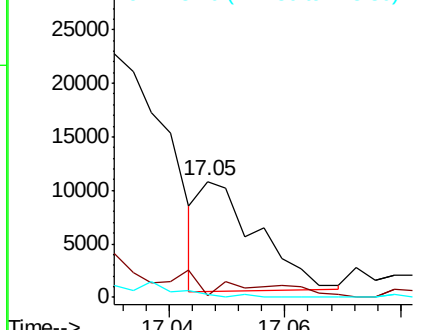
#66
Benzyl Chloride
Concen: 0.057 ppbv
RT: 17.05 min Scan# 4435
Delta R.T. 0.01 min
Lab File: VL035228.D
Acq: 23 Jul 2020 14:33

Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 91 Resp: 7019
Ion Ratio Lower Upper
91 100
126 67.2 13.9 20.9#
128 30.5 4.2 6.4#

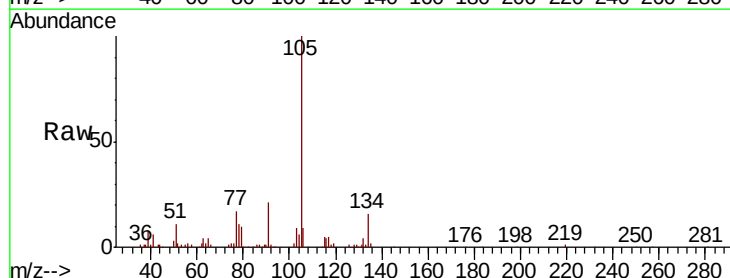


Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 126.10 (125.80 to 126.80): V
Ion 128.10 (127.80 to 128.80): V

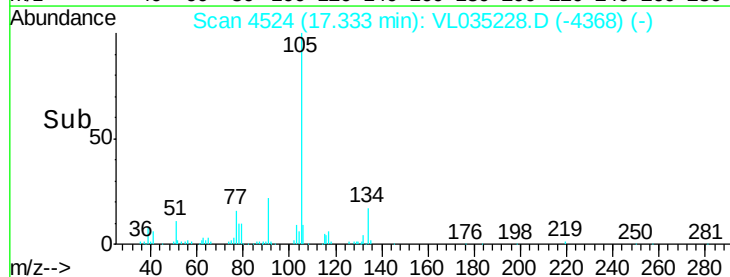
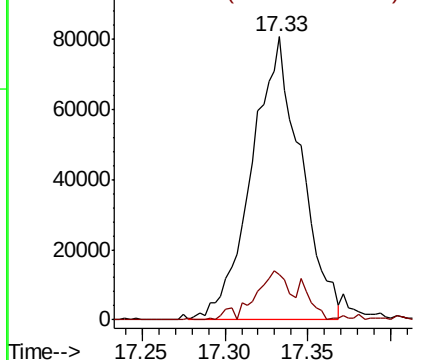


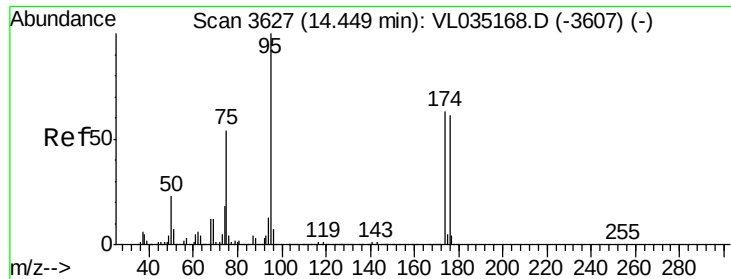
#67
sec-Butylbenzene
Concen: 0.326 ppbv
RT: 17.33 min Scan# 4524
Delta R.T. 0.00 min
Lab File: VL035228.D
Acq: 23 Jul 2020 14:33

Tgt Ion: 105 Resp: 165023
Ion Ratio Lower Upper
105 100
134 16.1 14.6 21.8



Abundance Ion 105.10 (104.80 to 105.80): V
Ion 134.20 (133.90 to 134.90): V

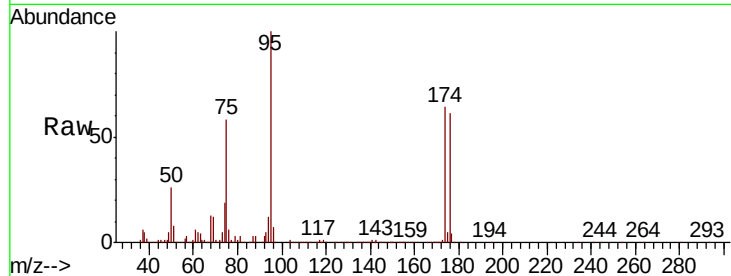




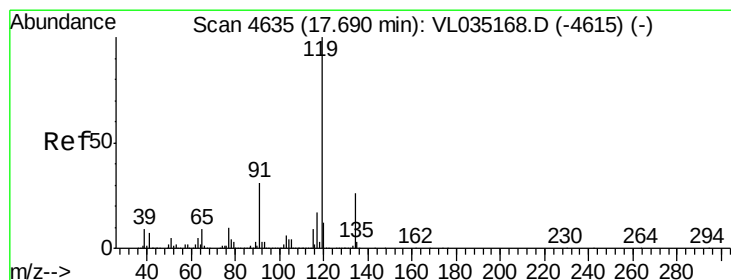
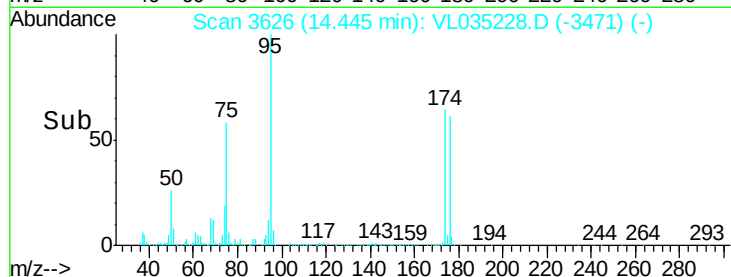
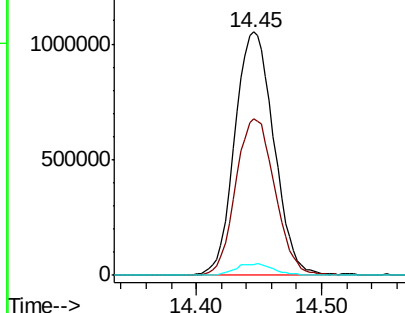
#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.569 ppbv
 RT: 14.45 min Scan# 3626
 Delta R.T. -0.00 min
 Lab File: VL035228.D
 Acq: 23 Jul 2020 14:33

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 95 Resp: 2275082
 Ion Ratio Lower Upper
 95 100
 174 64.8 52.2 78.2
 175 4.8 4.0 6.0

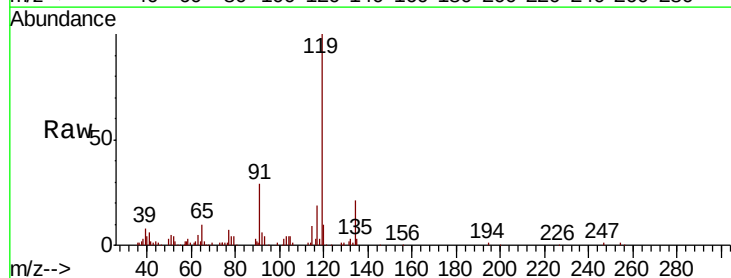


Abundance Ion 95.10 (94.80 to 95.80): VL0
 Ion 174.00 (173.70 to 174.70): V
 Ion 175.00 (174.70 to 175.70): V

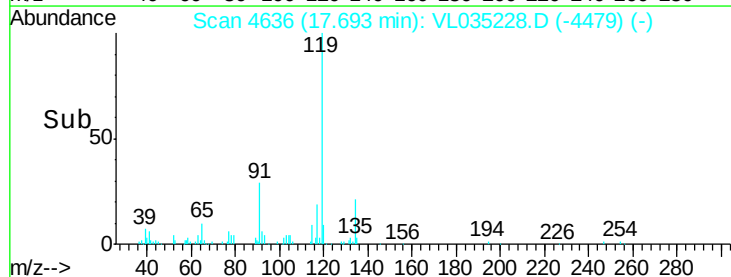
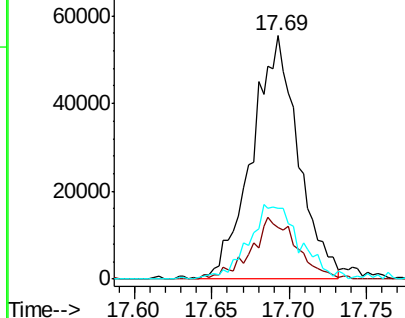


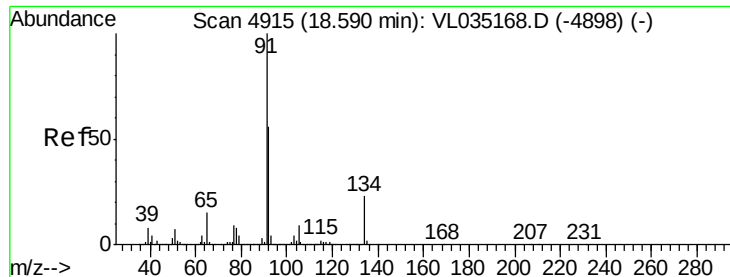
#69
 p-Isopropyltoluene
 Concen: 0.293 ppbv
 RT: 17.69 min Scan# 4636
 Delta R.T. 0.00 min
 Lab File: VL035228.D
 Acq: 23 Jul 2020 14:33

Tgt Ion: 119 Resp: 116012
 Ion Ratio Lower Upper
 119 100
 134 25.0 20.8 31.2
 91 33.7 24.9 37.3



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): VL0





#70

n-Butylbenzene

Concen: 0.294 ppbv

RT: 18.59 min Scan# 4915

Delta R.T. 0.00 min

Lab File: VL035228.D

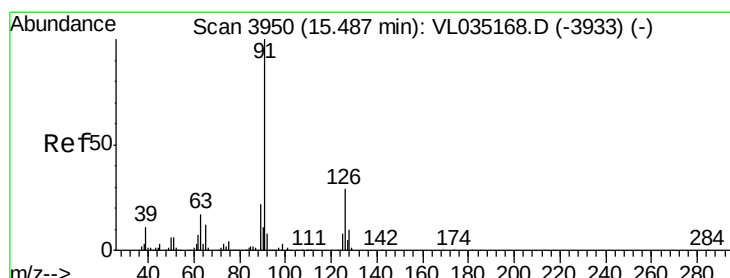
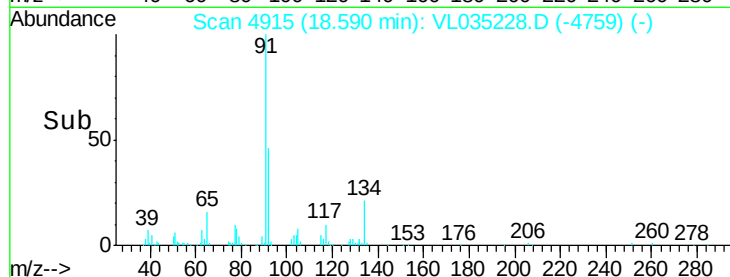
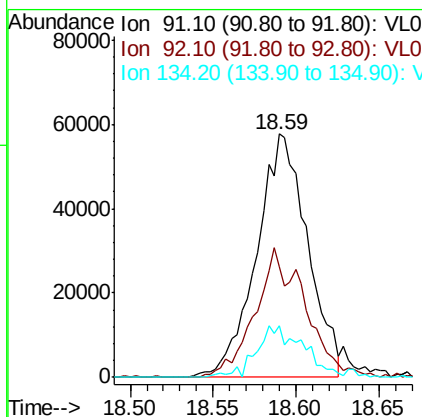
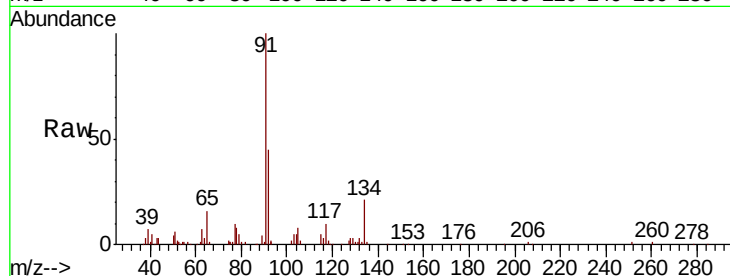
Acq: 23 Jul 2020 14:33

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:	91	Resp:	123457
Ion	Ratio	Lower	Upper
91	100		
92	52.6	44.0	66.0
134	20.4	18.0	27.0



#71

2-Chlorotoluene

Concen: 0.273 ppbv

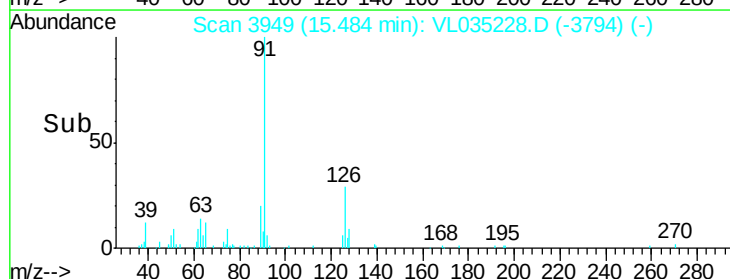
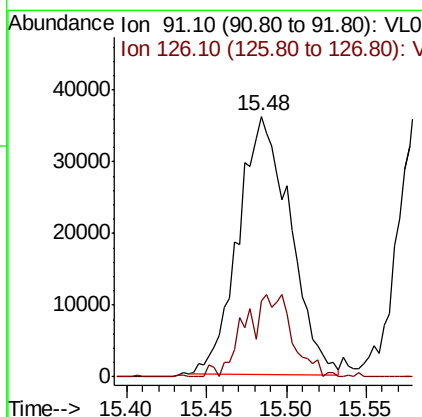
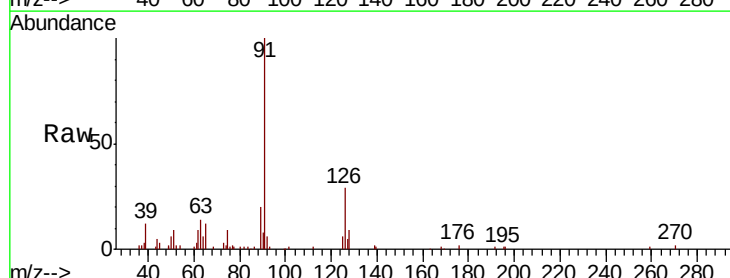
RT: 15.48 min Scan# 3949

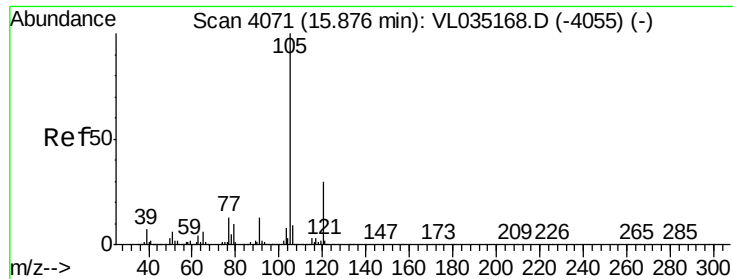
Delta R.T. -0.00 min

Lab File: VL035228.D

Acq: 23 Jul 2020 14:33

Tgt Ion:	91	Resp:	79682
Ion	Ratio	Lower	Upper
91	100		
126	29.9	12.0	48.0





#72

4-Ethyltoluene

Concen: 0.217 ppbv

RT: 15.87 min Scan# 4070

Delta R.T. -0.00 min

Lab File: VL035228.D

Acq: 23 Jul 2020 14:33

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:105 Resp: 63584

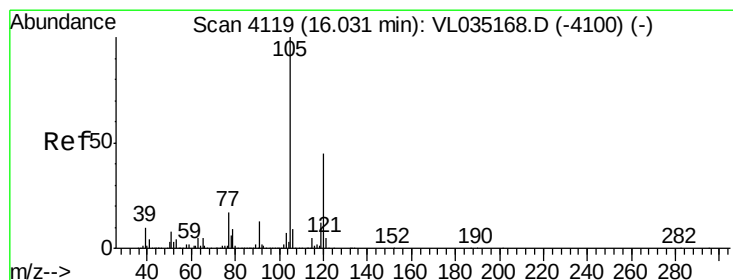
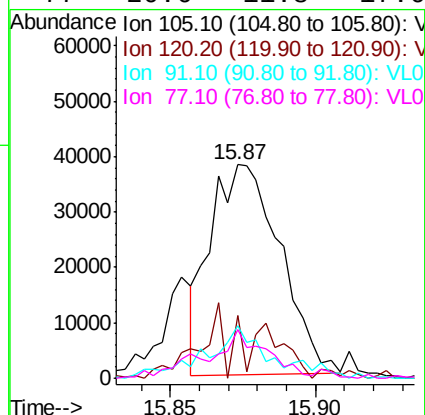
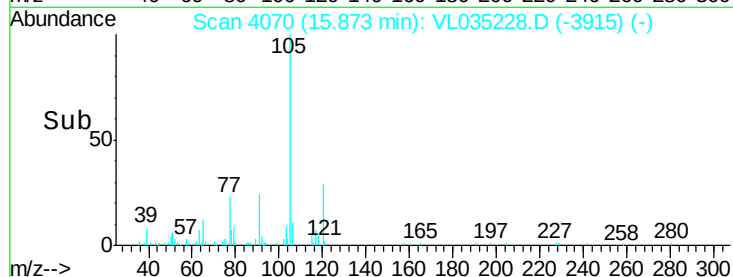
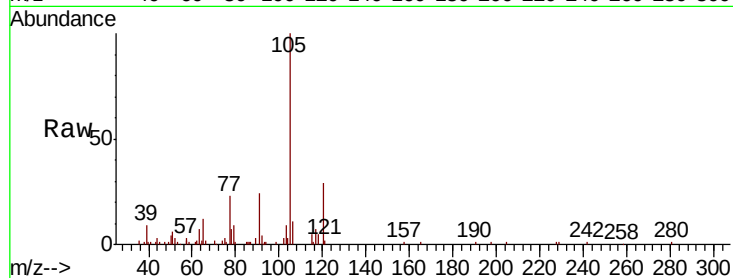
Ion Ratio Lower Upper

105 100

120 29.7 23.2 34.8

91 24.6 10.9 16.3#

77 20.6 11.8 17.6#



#73

1,3,5-Trimethylbenzene

Concen: 0.189 ppbv

RT: 16.03 min Scan# 4119

Delta R.T. 0.00 min

Lab File: VL035228.D

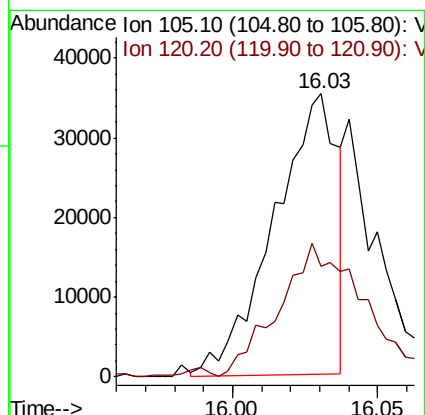
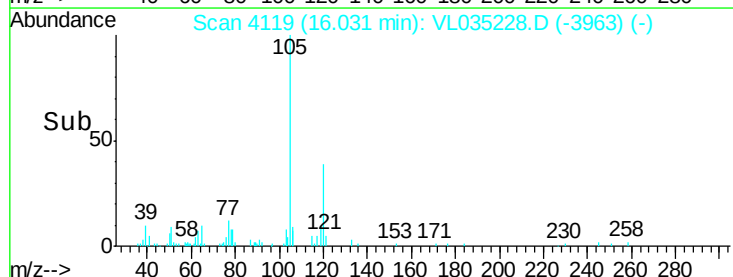
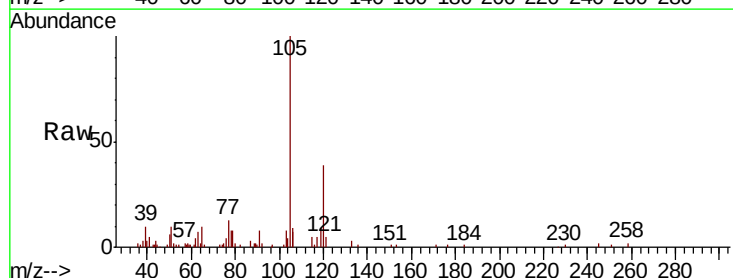
Acq: 23 Jul 2020 14:33

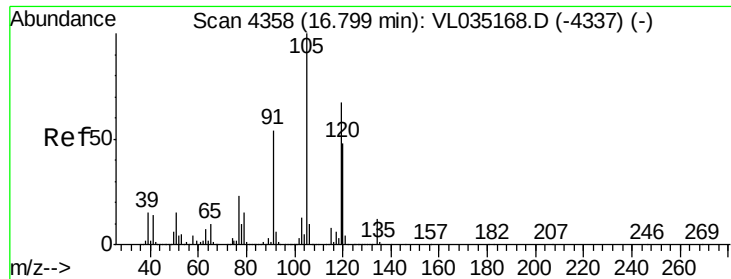
Tgt Ion:105 Resp: 53592

Ion Ratio Lower Upper

105 100

120 34.4 36.2 54.2#

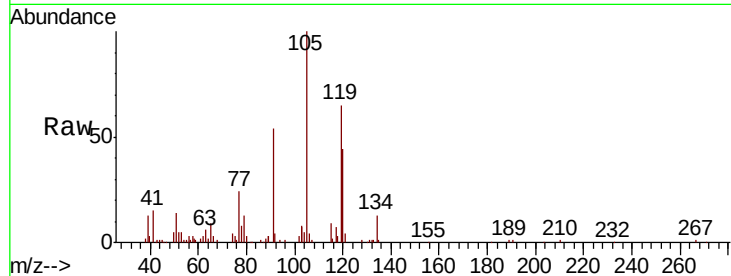




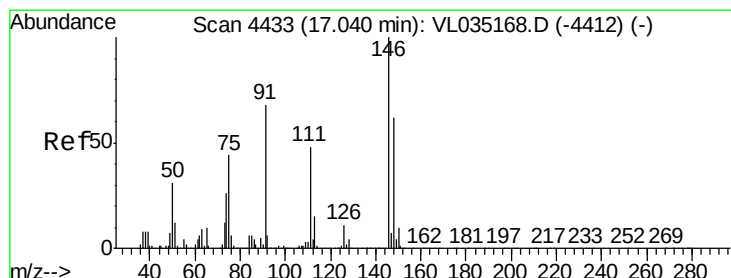
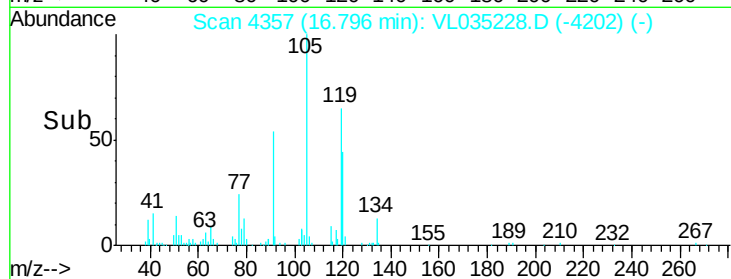
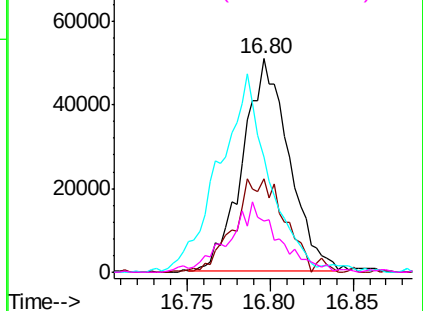
#74
 1,2,4-Trimethylbenzene
 Concen: 0.317 ppbv
 RT: 16.80 min Scan# 4357
 Delta R.T. -0.00 min
 Lab File: VL035228.D
 Acq: 23 Jul 2020 14:33

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:105	Resp:	99075
Ion Ratio	Lower	Upper
105	100	
120	44.2	38.6 57.8
91	51.1	43.6 65.4
77	23.3	18.3 27.5

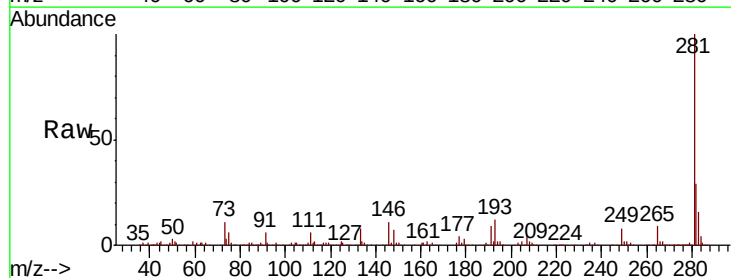


Abundance Ion 105.10 (104.80 to 105.80): V
 Ion 120.20 (119.90 to 120.90): V
 Ion 91.10 (90.80 to 91.80): VL0
 Ion 77.10 (76.80 to 77.80): VL0

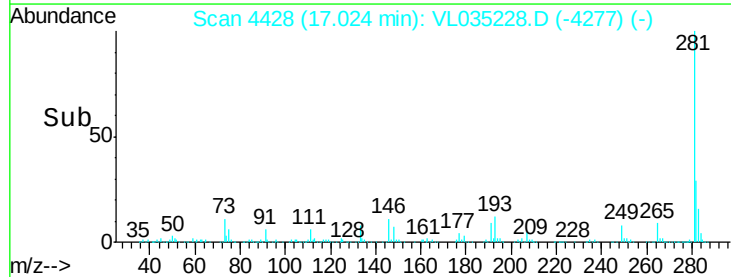
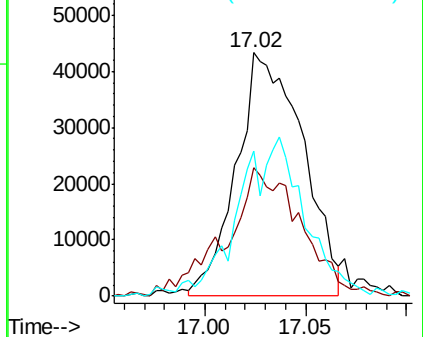


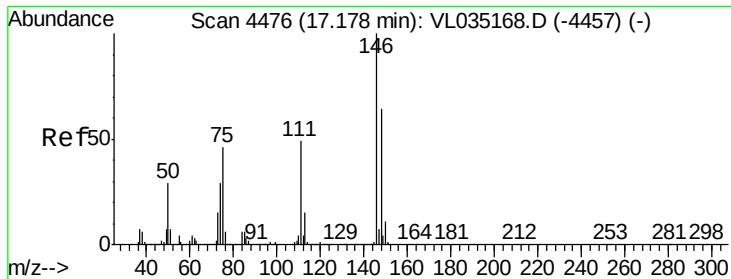
#75
 1,3-Dichlorobenzene
 Concen: 0.501 ppbv
 RT: 17.02 min Scan# 4428
 Delta R.T. -0.02 min
 Lab File: VL035228.D
 Acq: 23 Jul 2020 14:33

Tgt Ion:146	Resp:	99310
Ion Ratio	Lower	Upper
146	100	
111	60.4	24.7 74.1
148	67.3	32.4 97.0



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

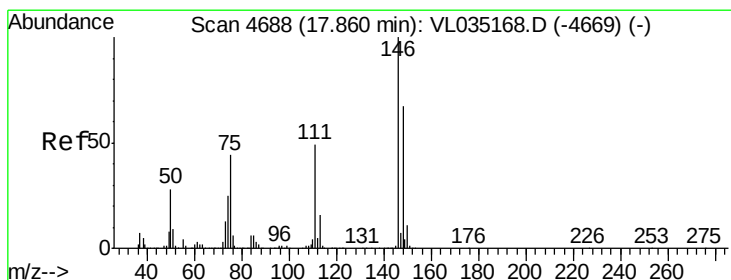
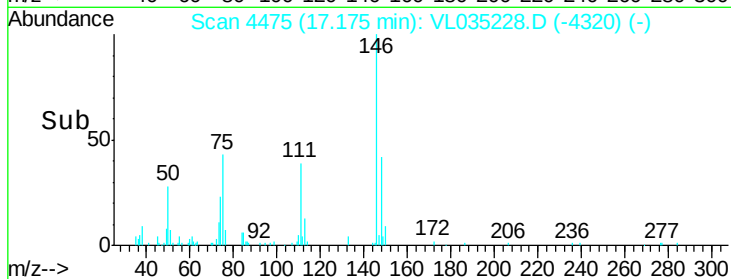
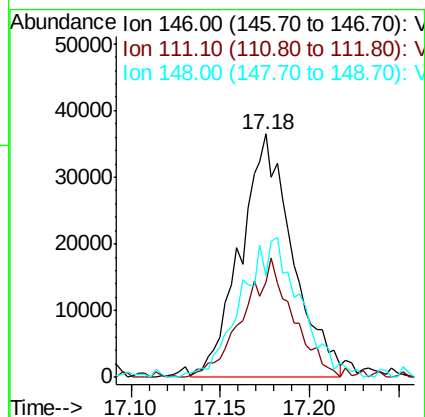
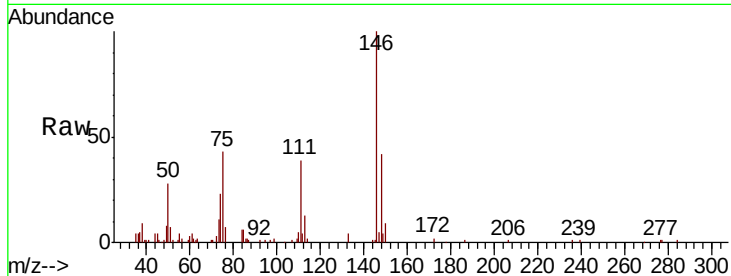




#76
 1,4-Dichlorobenzene
 Concen: 0.404 ppbv
 RT: 17.18 min Scan# 4475
 Delta R.T. -0.00 min
 Lab File: VL035228.D
 Acq: 23 Jul 2020 14:33

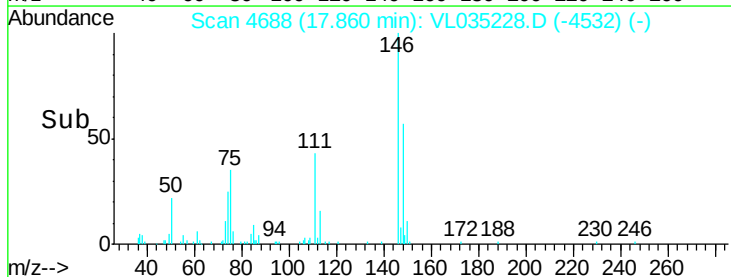
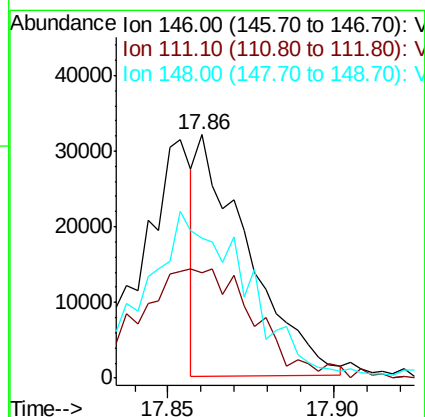
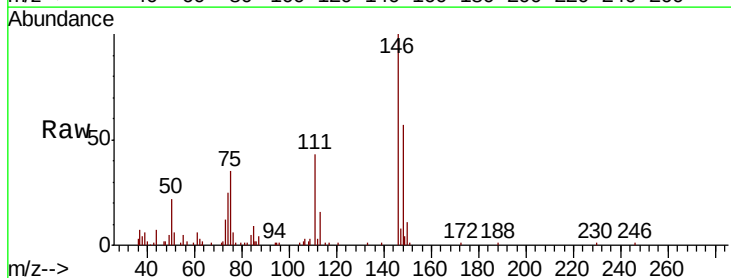
Instrument :
 MSVOA_L
 ClientSampled :

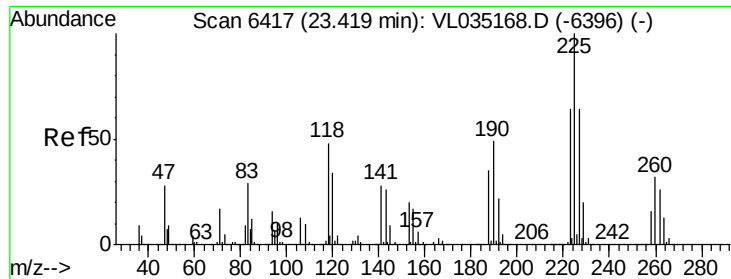
Tot Ion:146 Resp: 74299
 Ion Ratio Lower Upper
 146 100
 111 47.6 23.8 71.2
 148 65.8 32.3 96.9



#77
 1,2-Dichlorobenzene
 Concen: 0.191 ppbv
 RT: 17.86 min Scan# 4688
 Delta R.T. 0.00 min
 Lab File: VL035228.D
 Acq: 23 Jul 2020 14:33

Tgt Ion:146 Resp: 34092
 Ion Ratio Lower Upper
 146 100
 111 106.1 25.1 75.2#
 148 0.0 32.4 97.0#





#78

Hexachloro-1,3-Butadiene

Concen: 0.341 ppbv

RT: 23.42 min Scan# 6416

Delta R.T. -0.00 min

Lab File: VL035228.D

Acq: 23 Jul 2020 14:33

Instrument :

MSVOA_L

ClientSampleId :

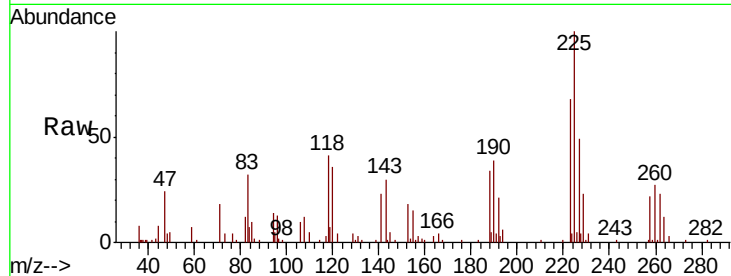
Tot Ion:225 Resp: 48052

Ion Ratio Lower Upper

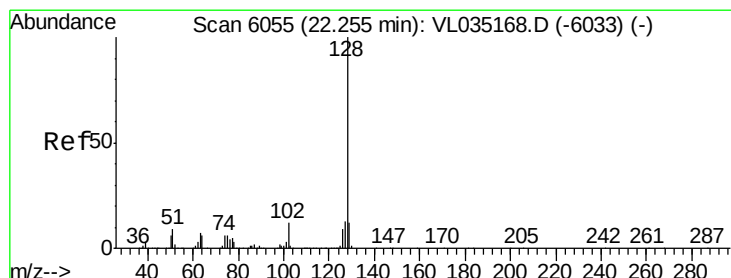
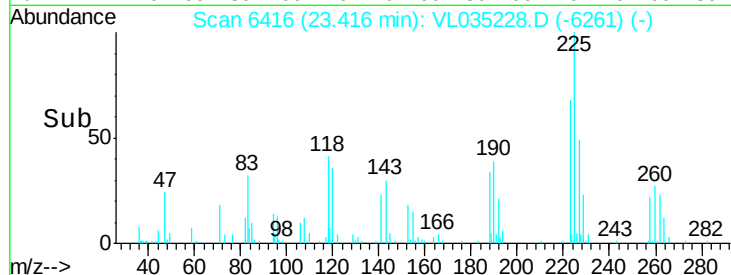
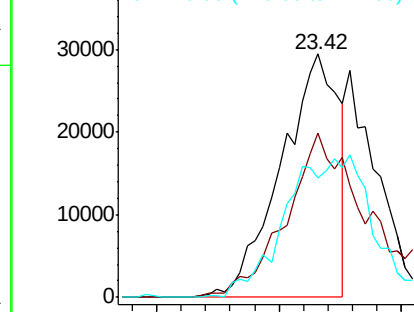
225 100

223 93.5 50.2 75.2#

227 0.0 51.2 76.8#



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



#79

Naphthalene

Concen: 0.064 ppbv

RT: 22.26 min Scan# 6055

Delta R.T. 0.00 min

Lab File: VL035228.D

Acq: 23 Jul 2020 14:33

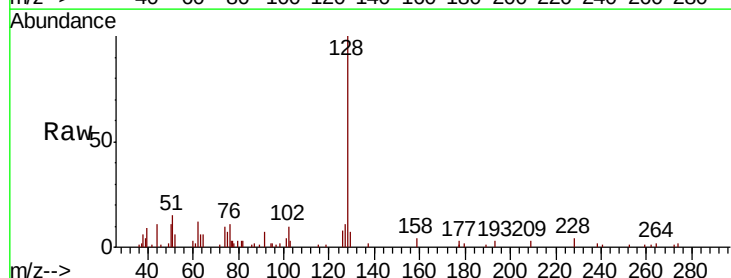
Tgt Ion:128 Resp: 12960

Ion Ratio Lower Upper

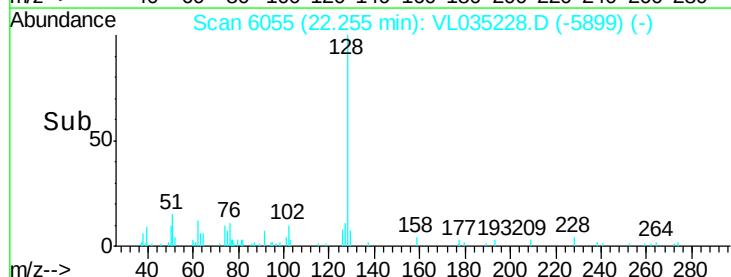
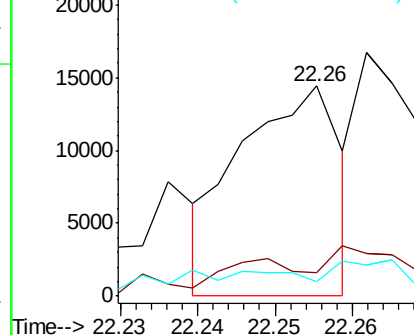
128 100

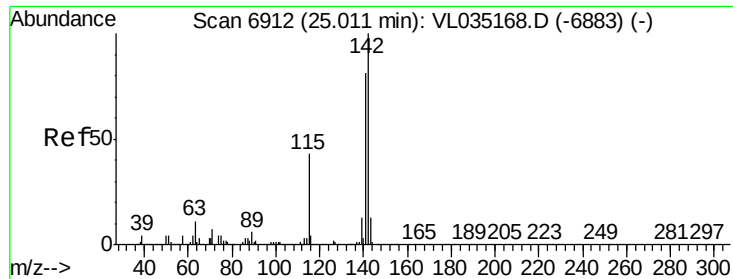
127 13.3 10.8 16.2

129 0.0 9.4 14.2#



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

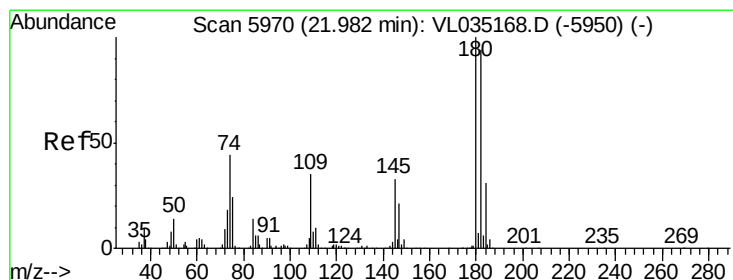
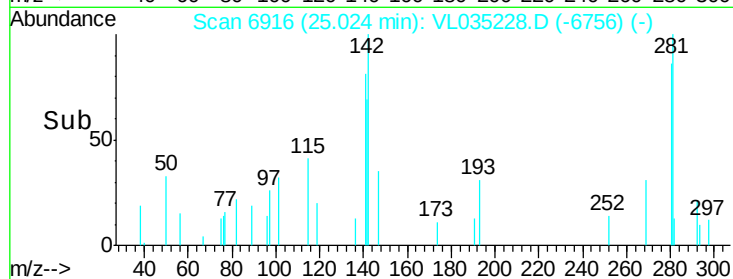
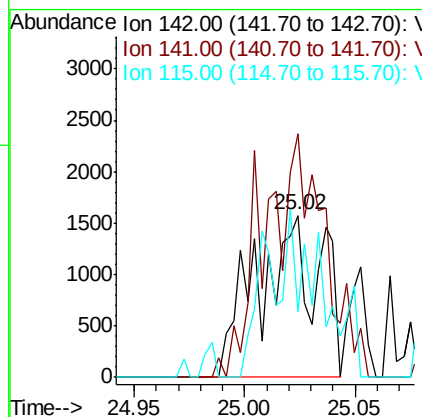
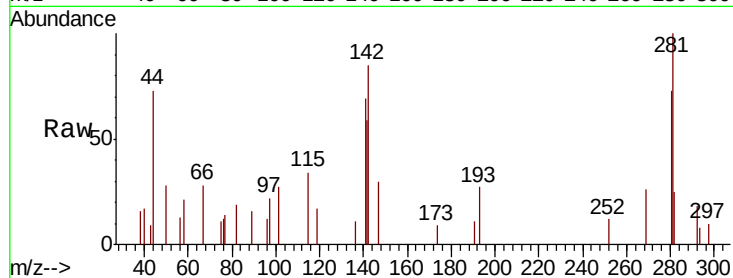




#80
Naphthalene, 2-methyl-
Concen: 0.064 ppbv
RT: 25.02 min Scan# 6916
Delta R.T. 0.01 min
Lab File: VL035228.D
Acq: 23 Jul 2020 14:33

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:142 Resp: 3061
Ion Ratio Lower Upper
142 100
141 146.6 68.2 102.4#
115 92.2 34.4 51.6#



#81
1,2,4-Trichlorobenzene
Concen: 0.209 ppbv
RT: 21.98 min Scan# 5969
Delta R.T. -0.00 min
Lab File: VL035228.D
Acq: 23 Jul 2020 14:33

Tgt Ion:180 Resp: 26799
Ion Ratio Lower Upper
180 100
182 136.3 76.7 115.1#
184 46.9 25.0 37.6#

