

Data File : VL033991.D
Acq On : 2 Jul 2019 14:59
Operator : SY/AP
Sample : VSTDIC001
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Quant Time: Jul 02 16:33:50 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL070219AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Jul 02 16:27:55 2019
QLast Update : Tue Jul 02 16:27:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.73	49	1126062	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.26	114	2937945	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.20	117	2824557	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.54	95	2278743	9.82	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.20%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.06	85	271023	1.483	ppbv	97
3) Chlorodifluoromethane	3.00	51	147776	1.115	ppbv	99
4) Chloromethane	3.16	50	83564	1.105	ppbv	90
5) Vinyl Chloride	3.28	62	88983	1.268	ppbv	98
6) Bromomethane	3.50	94	53719	1.153	ppbv	94
7) Chloroethane	3.58	64	33043	1.191	ppbv	99
8) Dichlorotetrafluoroethane	3.20	85	243395	1.246	ppbv	100
9) Propene	3.02	41	51560	1.039	ppbv	95
10) Heptane	8.22	43	121552	0.969	ppbv	97
11) Trichlorofluoromethane	3.99	101	257987	1.094	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.53	101	187453	1.176	ppbv	99
13) Ethanol	3.64	45	12189	0.755	ppbv #	20
14) Bromoethene	3.77	108	70121	1.181	ppbv	99
15) Acetone	3.89	43	197800	1.204	ppbv	99
16) 1,3-Butadiene	3.35	39	66015	1.056	ppbv	97
17) tert-Butyl alcohol	4.35	59	151424	1.179	ppbv	98
18) 1,1-Dichloroethene	4.33	96	78060	1.160	ppbv	98
19) Isopropyl Alcohol	4.01	45	132719	1.415	ppbv #	94
20) Methylene Chloride	4.39	84	41256	0.644	ppbv	93
21) Allyl Chloride	4.45	41	111833	1.199	ppbv	98
22) trans-1,2-Dichloroethene	4.94	96	82554	1.164	ppbv	96
23) Vinyl Acetate	5.13	43	199365	1.044	ppbv	97
24) 1,1-Dichloroethane	5.06	63	174045	1.172	ppbv	98
25) Ethyl Acetate	5.74	43	261075	1.044	ppbv	99
26) Hexane	5.75	57	121946	1.071	ppbv	97
27) Carbon Disulfide	4.60	76	184973	1.169	ppbv #	91
28) Methyl tert-Butyl Ether	5.10	73	199591	1.159	ppbv	100
29) Chloroform	5.82	83	236773	1.214	ppbv	100
30) Cyclohexane	7.22	84	84481	1.050	ppbv	95
31) cis-1,2-Dichloroethene	5.62	61	104722	1.049	ppbv	93
32) 1,1,1-Trichloroethane	6.59	97	217003	1.153	ppbv	99
34) 2-Butanone	5.31	43	156594	0.945	ppbv	99
35) Carbon Tetrachloride	7.10	117	229121	1.009	ppbv	88
36) Benzene	6.97	78	218515	0.974	ppbv	98
37) 1,2-Dichloroethane	6.38	62	170522	1.027	ppbv	99
38) Trichloroethene	7.93	130	94533	1.082	ppbv	92
39) 1,2-Dichloropropane	7.70	63	85199	0.984	ppbv #	91
40) 1,4-Dioxane	7.95	88	25207	0.714	ppbv #	45
41) Tetrahydrofuran	6.14	42	53883	0.641	ppbv #	82
42) Bromodichloromethane	7.89	83	225417	1.016	ppbv	95
43) Methyl Methacrylate	8.11	69	80059	0.954	ppbv	96

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ClientSampleId :
VSTDIC001

Quant Time: Jul 02 16:33:50 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL070219AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Jul 02 16:27:55 2019
QLast Update : Tue Jul 02 16:27:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.96	57	396089	0.992	ppbv	97
45) t-1,3-Dichloropropene	9.38	75	91098	0.827	ppbv	91
46) cis-1,3-Dichloropropene	8.80	75	78410	0.621	ppbv #	94
47) 1,1,2-Trichloroethane	9.58	97	104024	1.007	ppbv	96
48) Dibromochloromethane	10.41	129	185732	1.001	ppbv	97
49) Bromoform	13.16	173	170100	1.038	ppbv	98
50) 4-Methyl-2-Pentanone	8.85	43	224835	0.910	ppbv	98
51) 2-Hexanone	10.25	43	158657	0.822	ppbv #	95
52) Tetrachloroethene	11.33	164	96964	1.228	ppbv #	83
53) Toluene	9.91	91	240141	0.967	ppbv	96
54) 1,2-Dibromoethane	10.72	107	155484	0.999	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.25	131	53989	0.438	ppbv #	10
57) Chlorobenzene	12.26	112	239528	1.132	ppbv	94
58) Ethyl Benzene	12.83	91	339182	1.065	ppbv	93
59) m/p-Xylene	13.11	91	119232	0.412	ppbv #	1
60) o-Xylene	13.81	91	326088	1.091	ppbv	99
61) Styrene	13.64	104	80518	0.416	ppbv #	26
62) Isopropylbenzene	14.79	105	425614	1.056	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.80	83	247100	1.098	ppbv	98
64) n-propylbenzene	15.69	120	60878	0.590	ppbv #	1
65) tert-Butylbenzene	16.88	119	390502	1.047	ppbv	96
66) Benzyl Chloride	17.12	91	166404	0.881	ppbv	96
67) sec-Butylbenzene	17.42	105	568968	1.088	ppbv	98
69) p-Isopropyltoluene	17.78	119	457532	1.051	ppbv	99
70) n-Butylbenzene	18.67	91	208867	0.438	ppbv #	34
71) 2-Chlorotoluene	15.58	91	298091	1.004	ppbv	97
72) 4-Ethyltoluene	15.97	105	355656	1.045	ppbv	97
73) 1,3,5-Trimethylbenzene	16.12	105	369010	1.101	ppbv	100
74) 1,2,4-Trimethylbenzene	16.89	105	415655	1.076	ppbv	97
75) 1,3-Dichlorobenzene	17.13	146	153605	0.635	ppbv #	36
76) 1,4-Dichlorobenzene	17.27	146	241074	1.085	ppbv	97
77) 1,2-Dichlorobenzene	17.95	146	132877	0.595	ppbv #	23
78) Hexachloro-1,3-Butadiene	23.51	225	118991	0.682	ppbv #	24
79) Naphthalene	22.37	128	318838	1.033	ppbv #	91
80) Naphthalene,2-methyl-	25.08	142	94414	0.766	ppbv	98
81) 1,2,4-Trichlorobenzene	22.09	180	92184	0.473	ppbv #	8

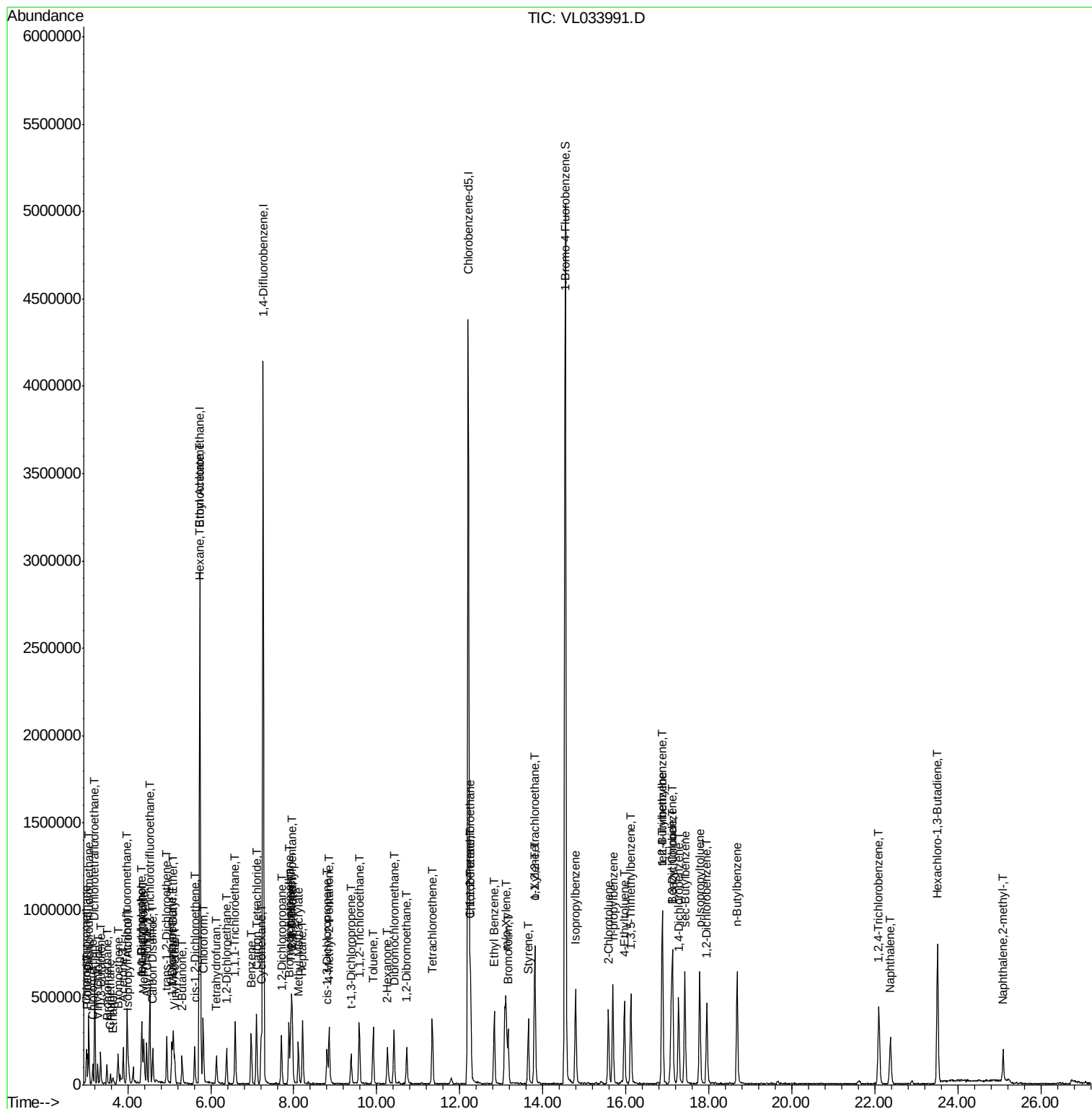
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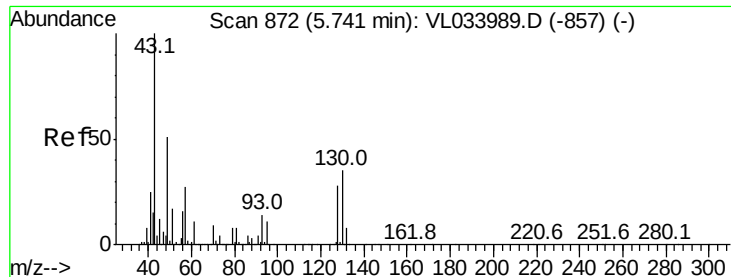
Data File : VL033991.D

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Acq On       : 2 Jul 2019 14:59
Operator     : SY/AP
Sample       : VSTDICC001
Misc        : 400ml/MSV0A_L
ALS Vial     : 1 Sample Multipl
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Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Quant Time: Jul 02 16:33:50 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL070219AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Jul 02 16:27:55 2019
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.73 min Scan# 869

Delta R.T. -0.01 min

Lab File: VL033991.D

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Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

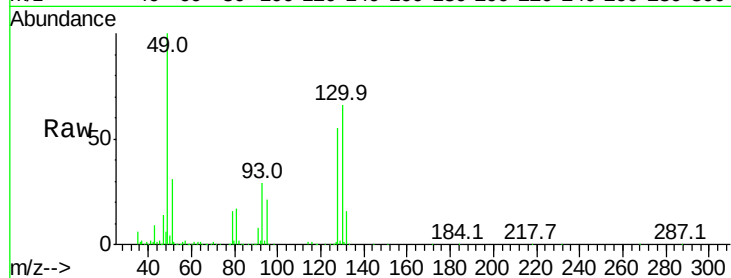
Tgt Ion: 49 Resp: 1126062

Ion Ratio Lower Upper

49 100

128 55.2 27.9 83.6

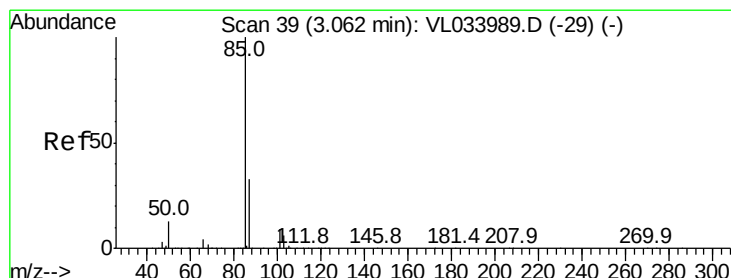
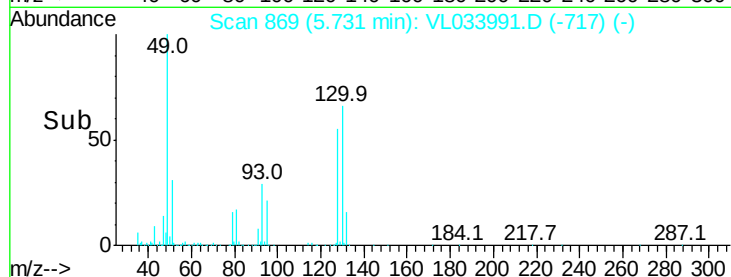
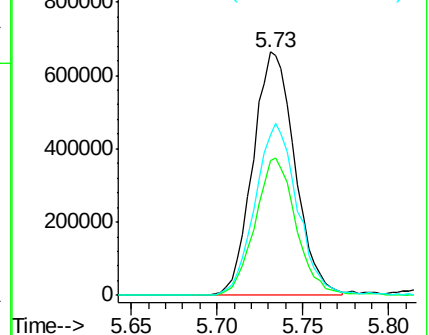
130 71.9 35.8 107.4



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: 1.483 ppbv

RT: 3.06 min Scan# 39

Delta R.T. -0.00 min

Lab File: VL033991.D

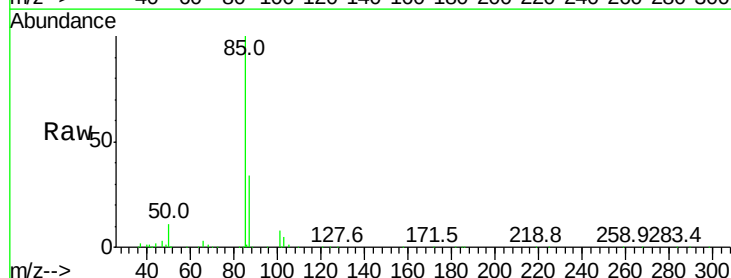
Acq: 2 Jul 2019 14:59

Tgt Ion: 85 Resp: 271023

Ion Ratio Lower Upper

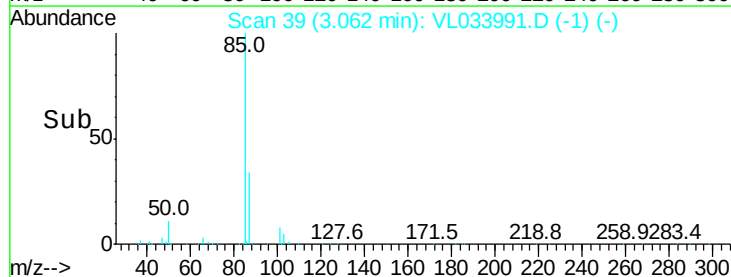
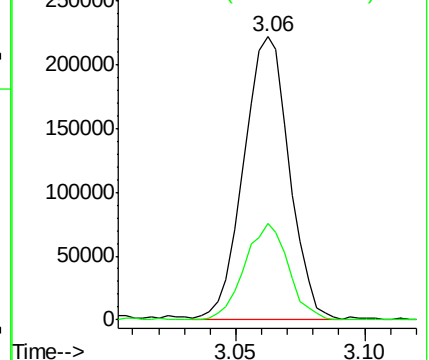
85 100

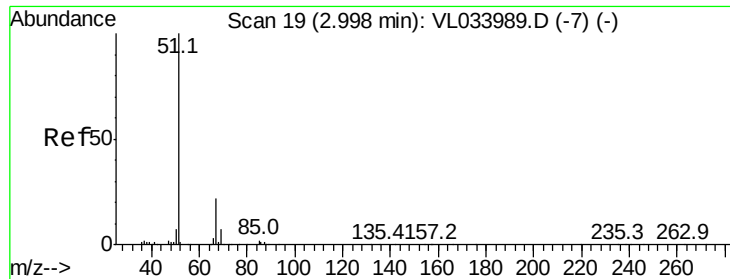
87 34.2 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

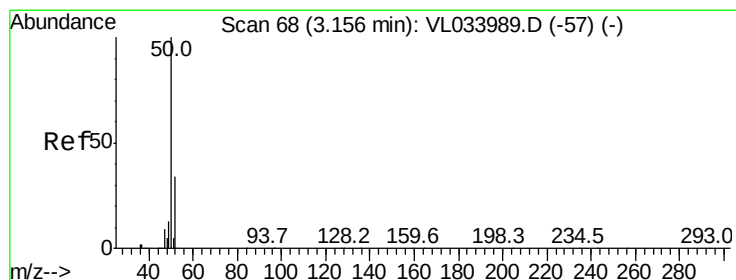
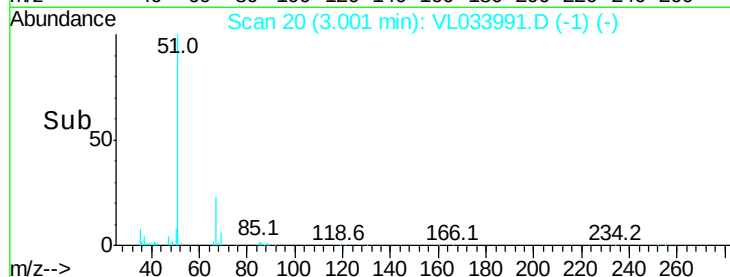
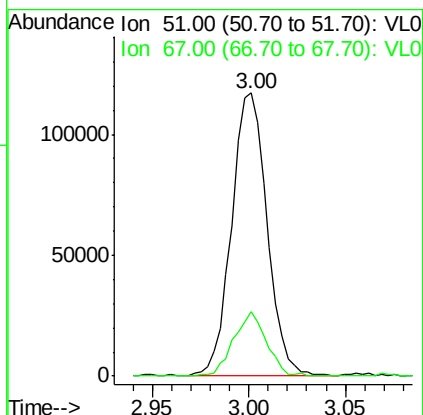
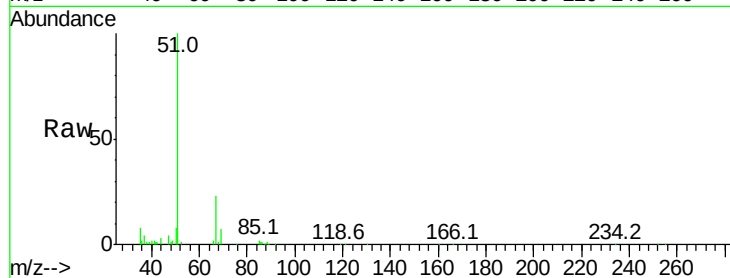




#3
Chlorodifluoromethane
Concen: 1.115 ppbv
RT: 3.00 min Scan# 20
Delta R.T. 0.00 min
Lab File: VL033991.D
Acq: 2 Jul 2019 14:59

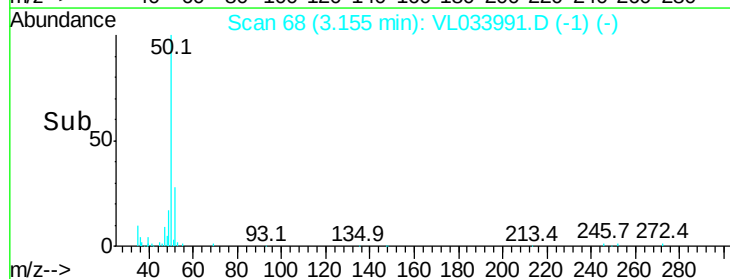
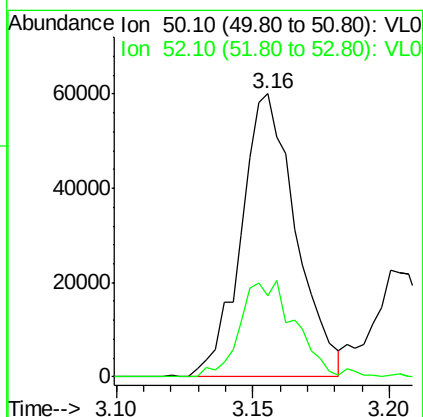
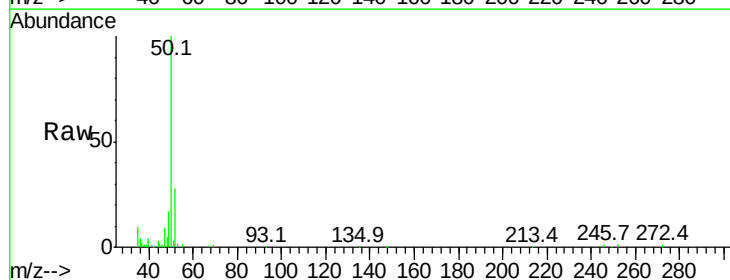
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

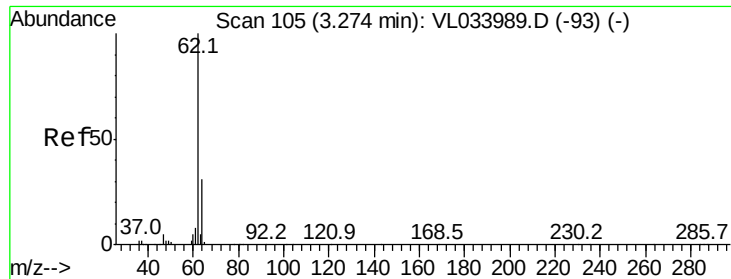
Tgt Ion: 51 Resp: 147776
Ion Ratio Lower Upper
51 100
67 21.3 17.3 25.9



#4
Chloromethane
Concen: 1.105 ppbv
RT: 3.16 min Scan# 68
Delta R.T. -0.00 min
Lab File: VL033991.D
Acq: 2 Jul 2019 14:59

Tgt Ion: 50 Resp: 83564
Ion Ratio Lower Upper
50 100
52 28.5 27.4 41.0





#5

Vinyl Chloride

Concen: 1.268 ppbv

RT: 3.28 min Scan# 106

Delta R.T. 0.00 min

Lab File: VL033991.D

Acq: 2 Jul 2019 14:59

Instrument :

MSVOA_L

ClientSampleId :

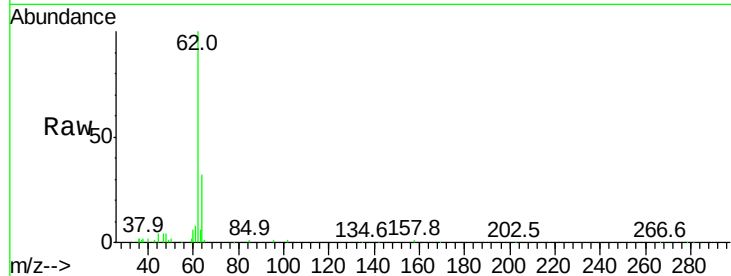
VSTDIC001

Tgt Ion: 62 Resp: 88983

Ion Ratio Lower Upper

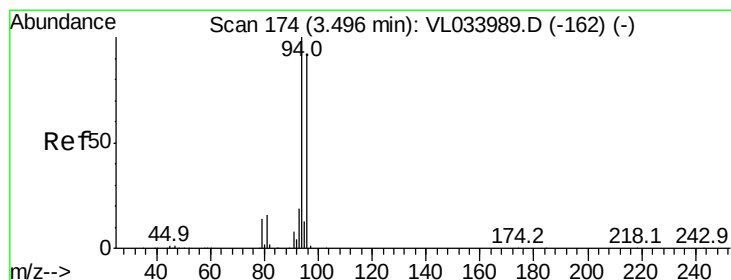
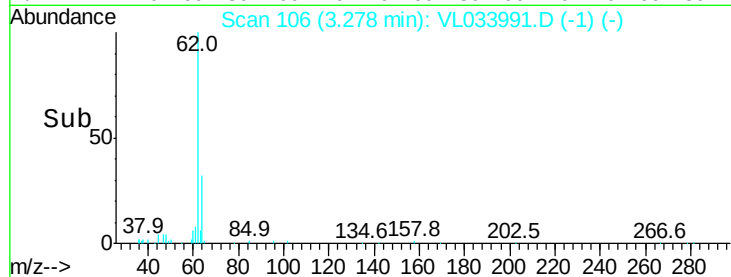
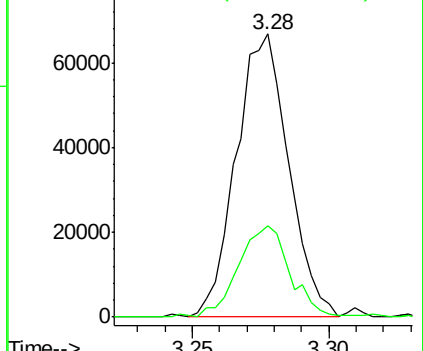
62 100

64 31.7 24.4 36.6



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 1.153 ppbv

RT: 3.50 min Scan# 174

Delta R.T. -0.00 min

Lab File: VL033991.D

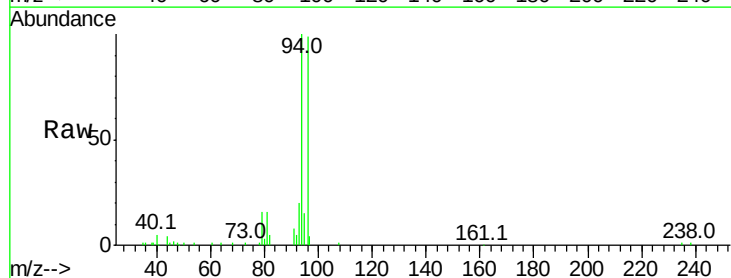
Acq: 2 Jul 2019 14:59

Tgt Ion: 94 Resp: 53719

Ion Ratio Lower Upper

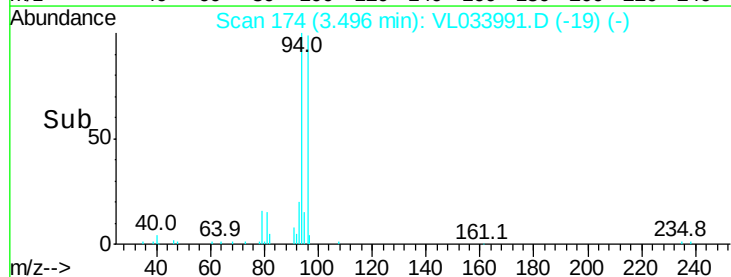
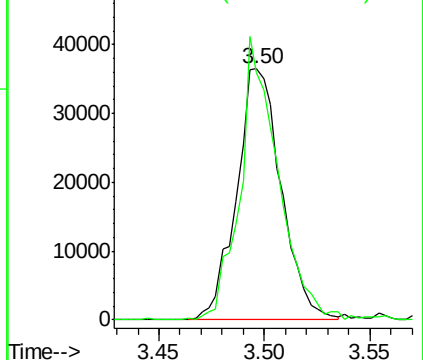
94 100

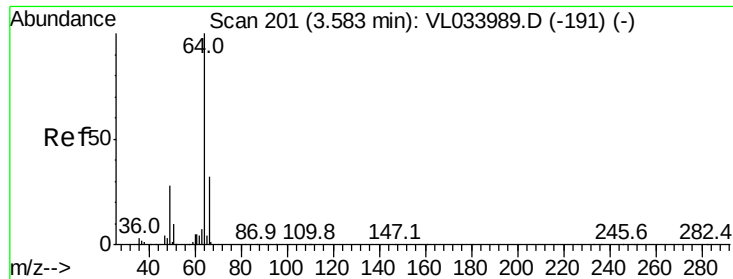
96 97.9 73.8 110.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 1.191 ppbv

RT: 3.58 min Scan# 200

Delta R.T. -0.00 min

Lab File: VL033991.D

Acq: 2 Jul 2019 14:59

Instrument :

MSVOA_L

ClientSampleId :

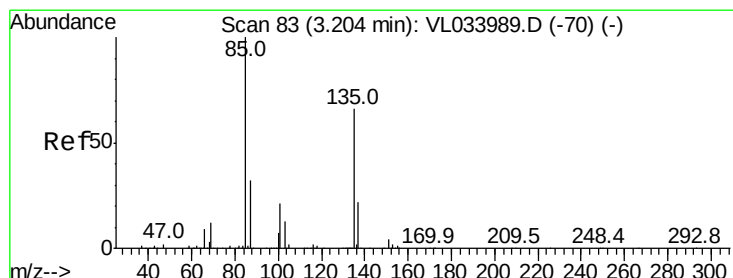
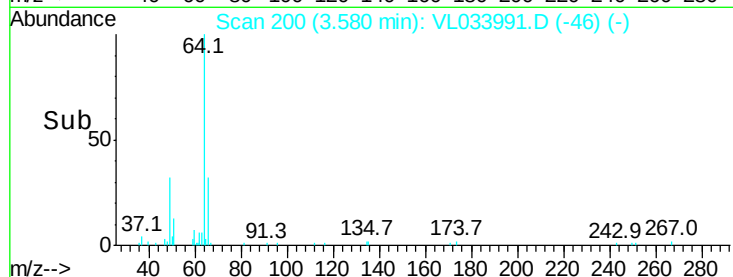
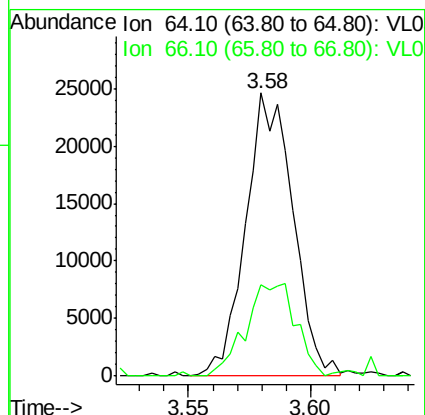
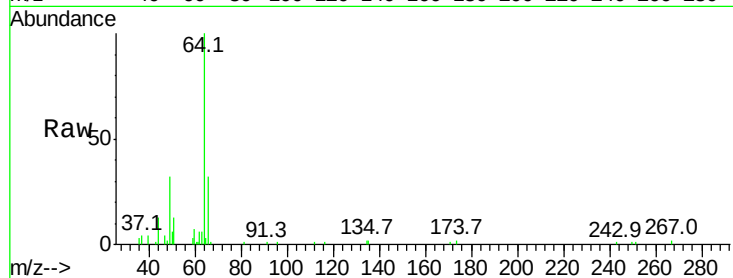
VSTDIC001

Tgt Ion: 64 Resp: 33043

Ion Ratio Lower Upper

64 100

66 32.2 25.3 37.9



#8

Dichlorotetrafluoroethane

Concen: 1.246 ppbv

RT: 3.20 min Scan# 83

Delta R.T. -0.00 min

Lab File: VL033991.D

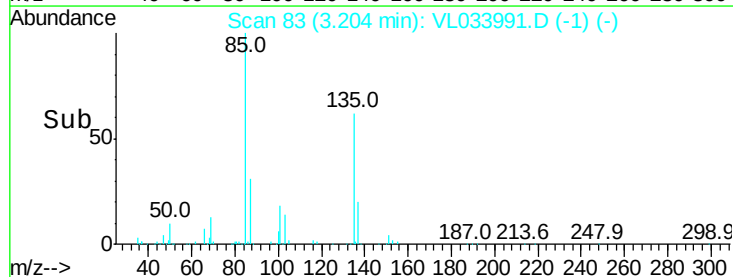
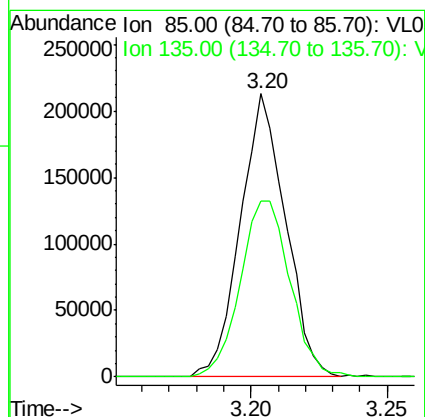
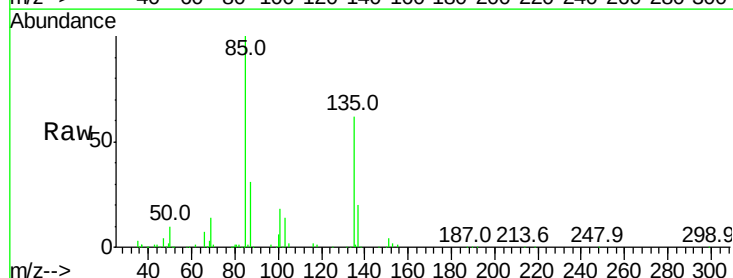
Acq: 2 Jul 2019 14:59

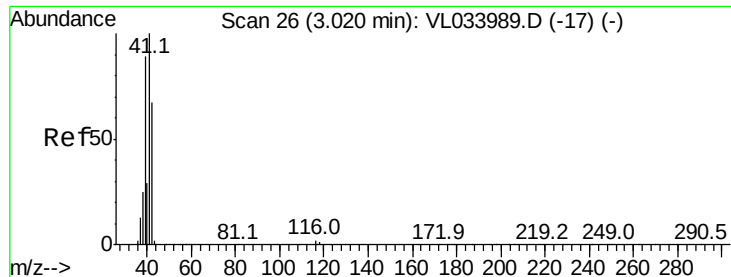
Tgt Ion: 85 Resp: 243395

Ion Ratio Lower Upper

85 100

135 69.0 55.0 82.4





#9

Propene

Concen: 1.039 ppbv

RT: 3.02 min Scan# 26

Delta R.T. -0.00 min

Lab File: VL033991.D

Acq: 2 Jul 2019 14:59

Instrument :

MSVOA_L

ClientSampleId :

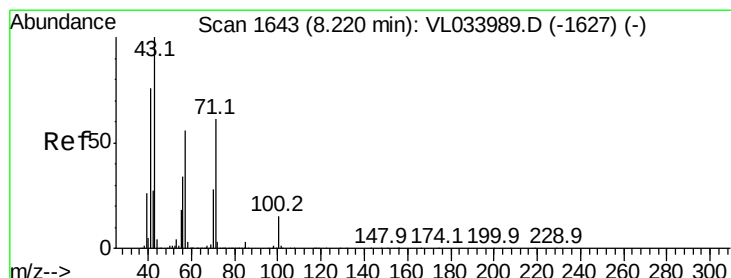
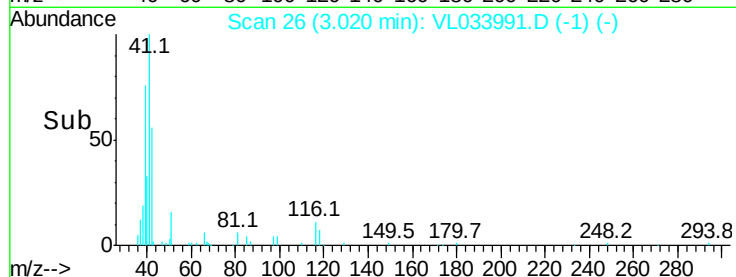
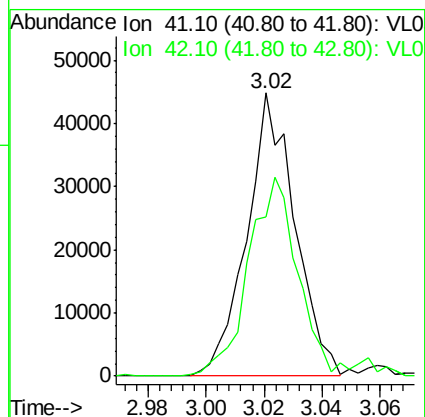
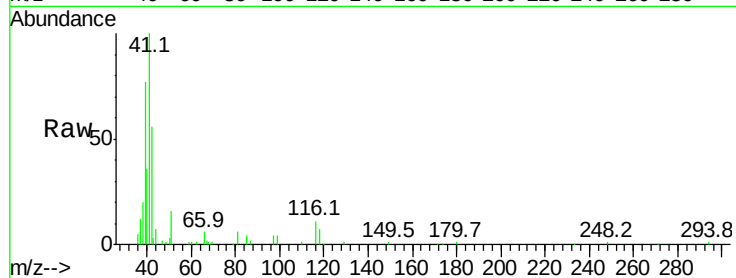
VSTDIC001

Tgt Ion: 41 Resp: 51560

Ion Ratio Lower Upper

41 100

42 75.9 57.1 85.7



#10

Heptane

Concen: 0.969 ppbv

RT: 8.22 min Scan# 1642

Delta R.T. -0.00 min

Lab File: VL033991.D

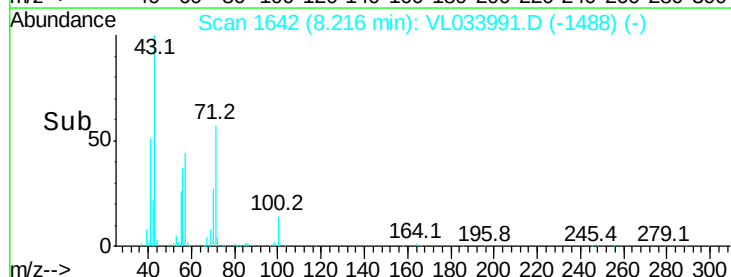
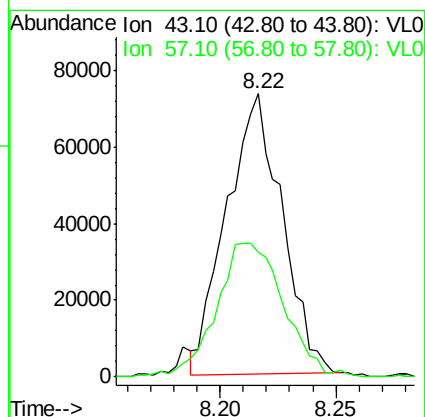
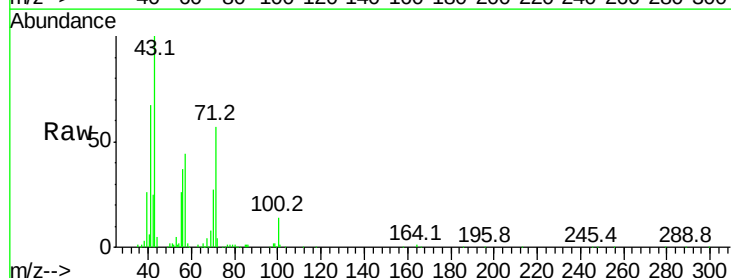
Acq: 2 Jul 2019 14:59

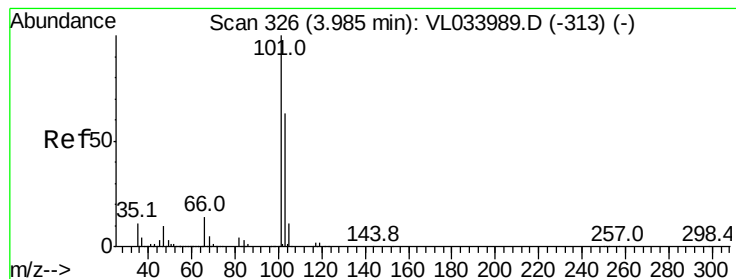
Tgt Ion: 43 Resp: 121552

Ion Ratio Lower Upper

43 100

57 58.1 44.6 66.8





#11

Trichlorofluoromethane

Concen: 1.094 ppbv

RT: 3.99 min Scan# 326

Delta R.T. -0.00 min

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MSVOA_L

ClientSampleId :

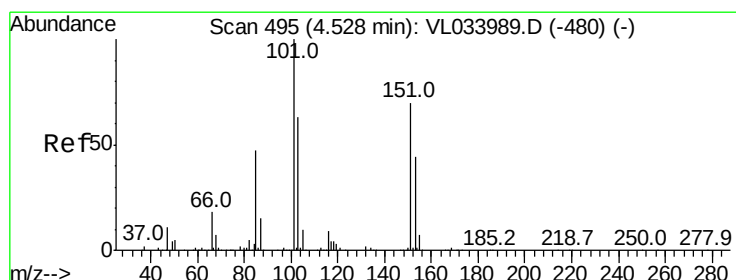
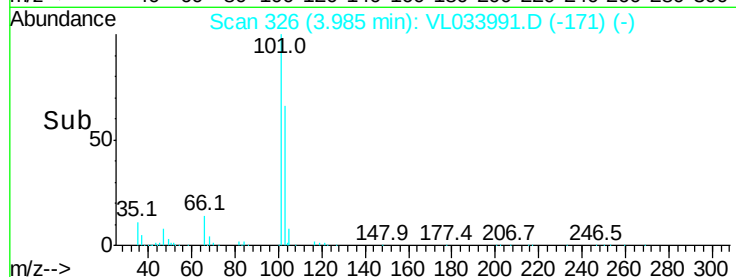
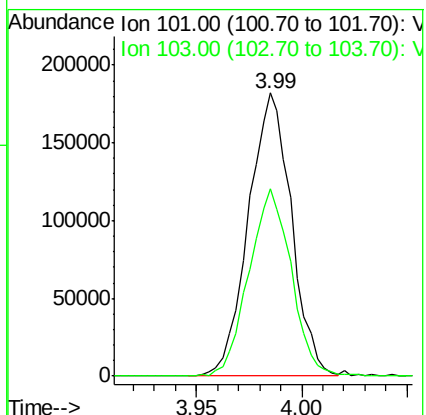
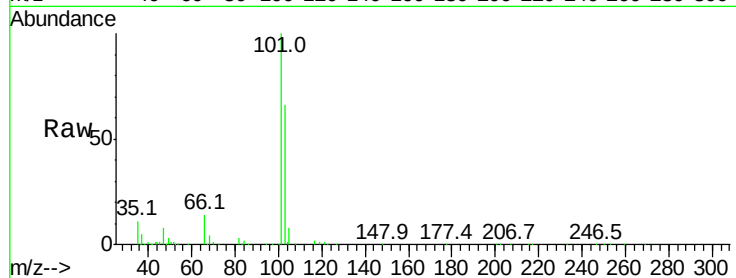
VSTDIC001

Tgt Ion:101 Resp: 257987

Ion Ratio Lower Upper

101 100

103 66.2 50.8 76.2



#12

1,1,2-Trichlorotrifluoroethane

Concen: 1.176 ppbv

RT: 4.53 min Scan# 496

Delta R.T. 0.00 min

Lab File: VL033991.D

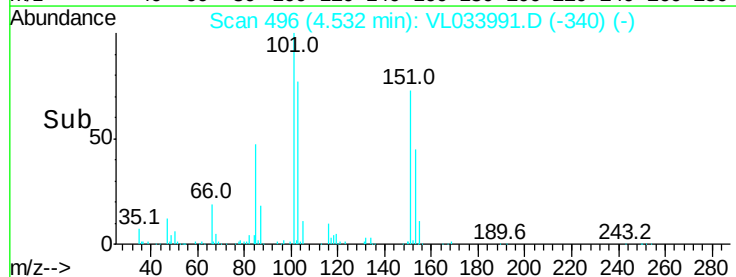
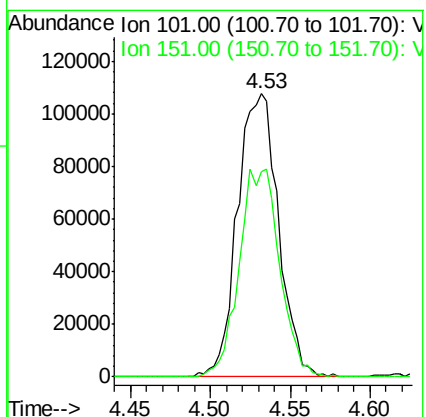
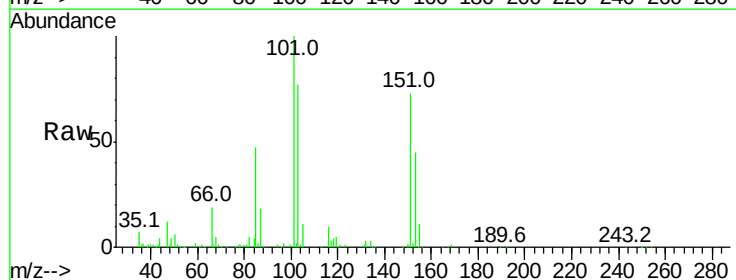
Acq: 2 Jul 2019 14:59

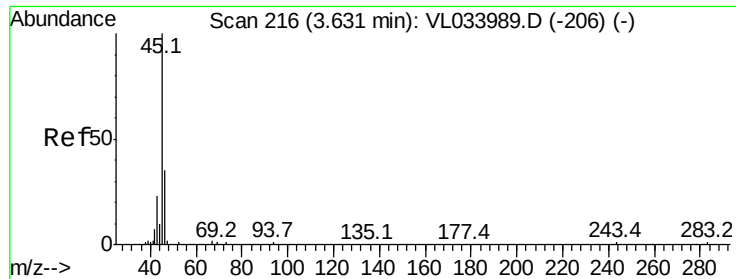
Tgt Ion:101 Resp: 187453

Ion Ratio Lower Upper

101 100

151 72.9 59.0 88.4





#13

Ethanol

Concen: 0.755 ppbv

RT: 3.64 min Scan# 219

Delta R.T. 0.01 min

Lab File: VL033991.D

Acq: 2 Jul 2019 14:59

Instrument :

MSVOA_L

ClientSampleId :

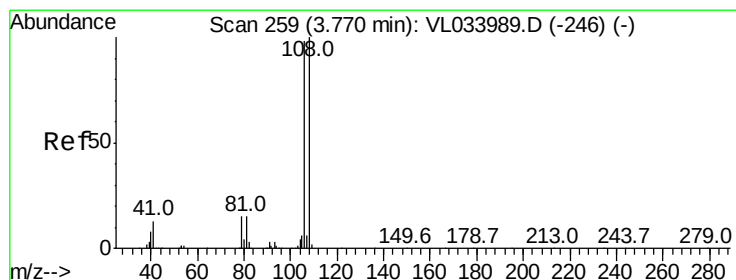
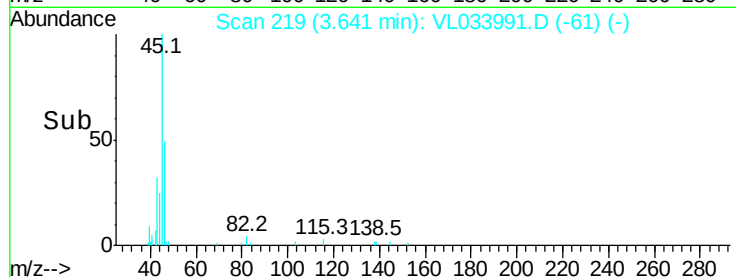
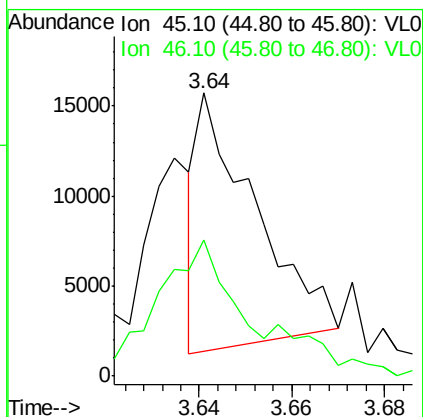
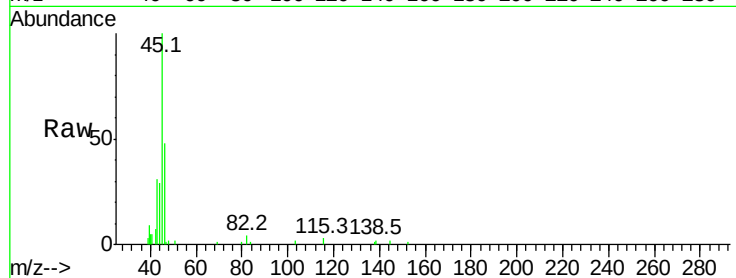
VSTDIC001

Tgt Ion: 45 Resp: 12189

Ion Ratio Lower Upper

45 100

46 90.0 16.2 64.6#



#14

Bromoethene

Concen: 1.181 ppbv

RT: 3.77 min Scan# 258

Delta R.T. -0.00 min

Lab File: VL033991.D

Acq: 2 Jul 2019 14:59

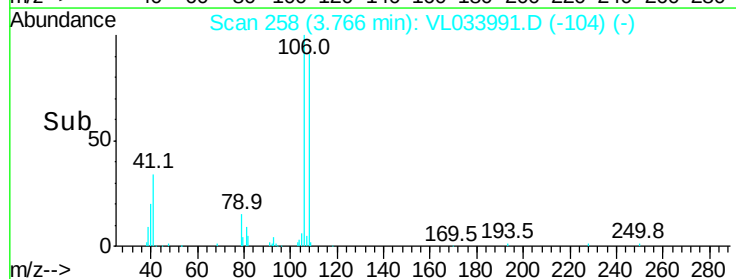
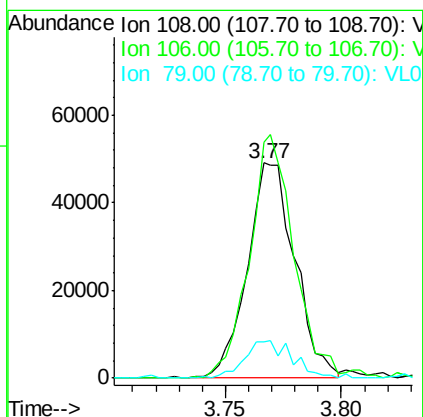
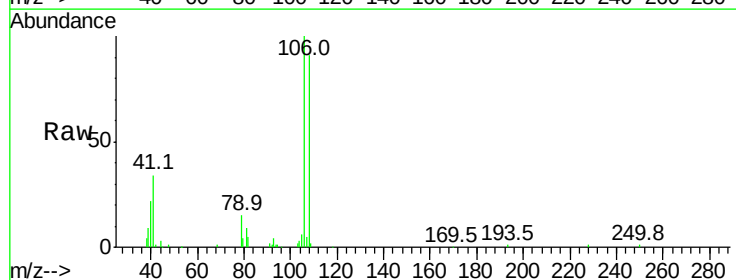
Tgt Ion: 108 Resp: 70121

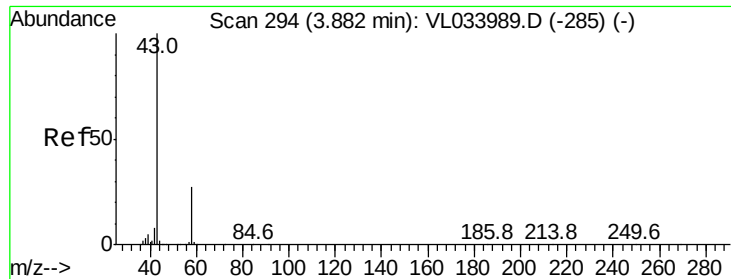
Ion Ratio Lower Upper

108 100

106 108.7 85.6 128.4

79 17.7 14.0 21.0





#15

Acetone

Concen: 1.204 ppbv

RT: 3.89 min Scan# 296

Delta R.T. 0.01 min

Lab File: VL033991.D

Acq: 2 Jul 2019 14:59

Instrument :

MSVOA_L

ClientSampleId :

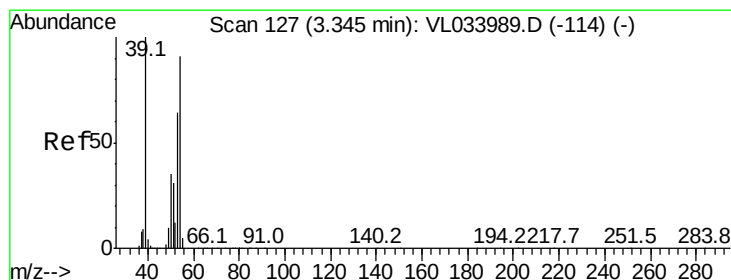
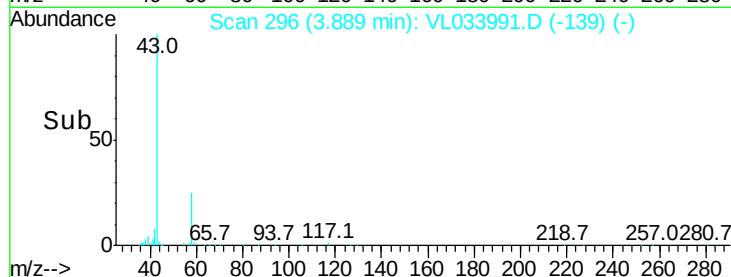
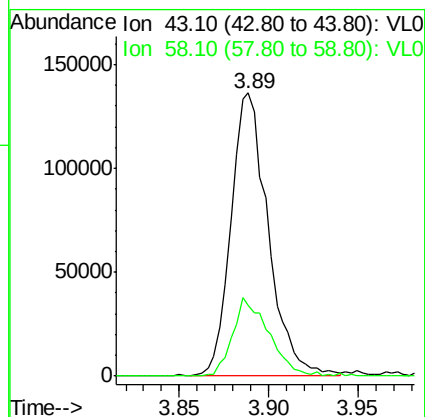
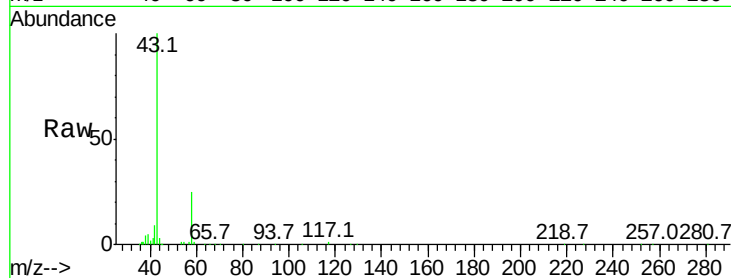
VSTDIC001

Tgt Ion: 43 Resp: 197800

Ion Ratio Lower Upper

43 100

58 27.4 21.4 32.0



#16

1,3-Butadiene

Concen: 1.056 ppbv

RT: 3.35 min Scan# 129

Delta R.T. 0.01 min

Lab File: VL033991.D

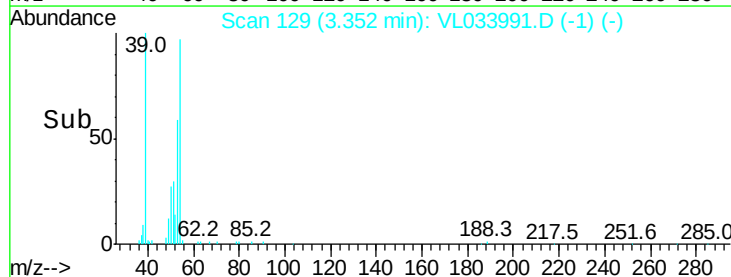
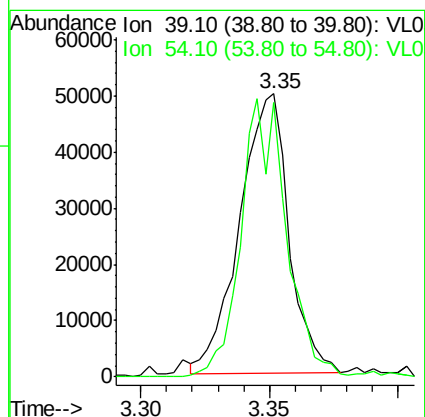
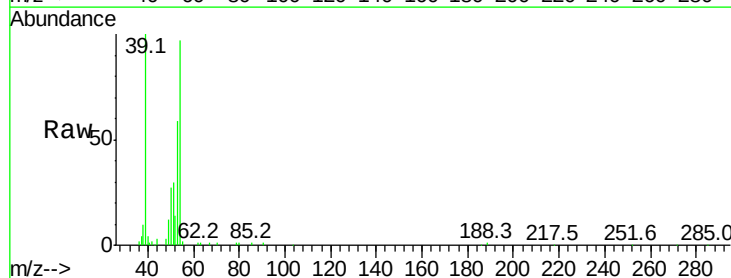
Acq: 2 Jul 2019 14:59

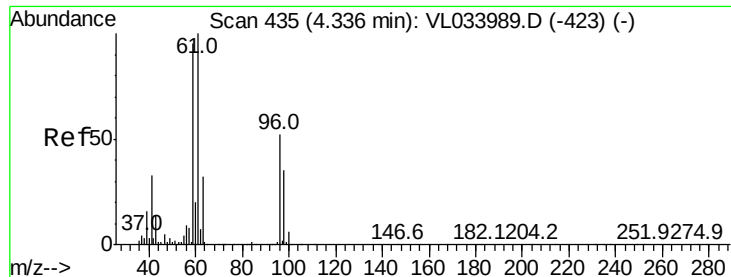
Tgt Ion: 39 Resp: 66015

Ion Ratio Lower Upper

39 100

54 92.5 71.4 107.2



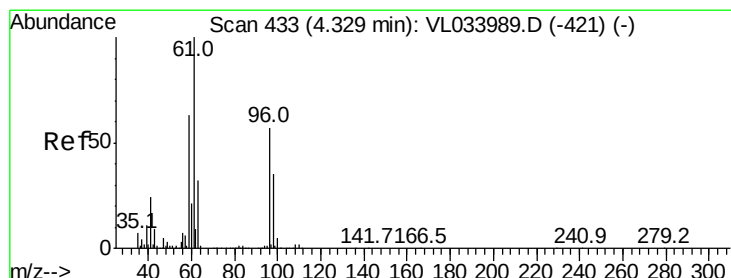
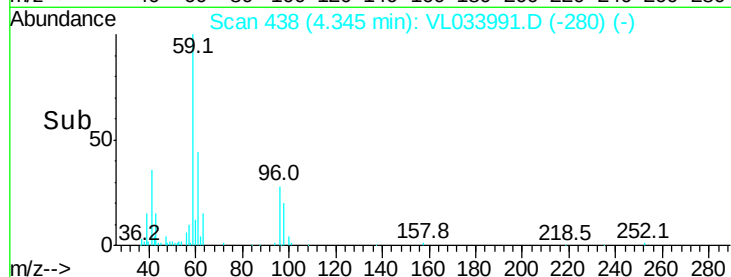
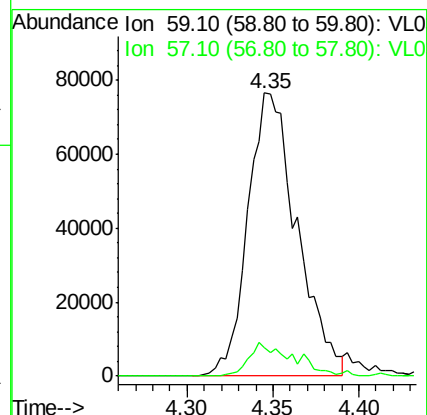
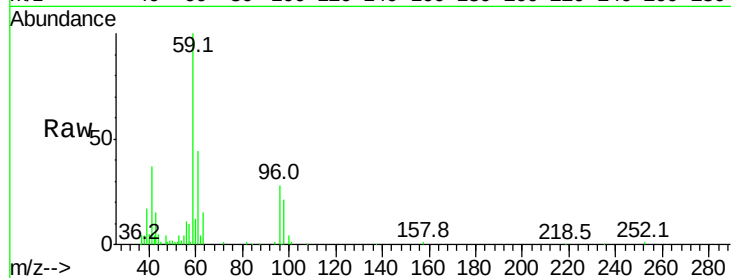


#17

tert-Butyl alcohol
Concen: 1.179 ppbv
RT: 4.35 min Scan# 438
Delta R.T. 0.01 min
Lab File: VL033991.D
Acq: 2 Jul 2019 14:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

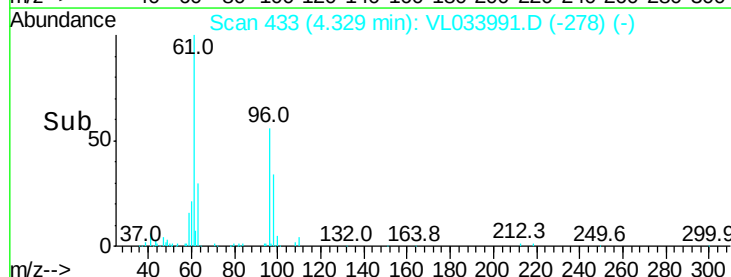
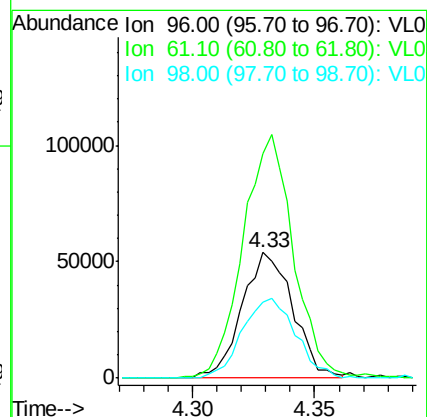
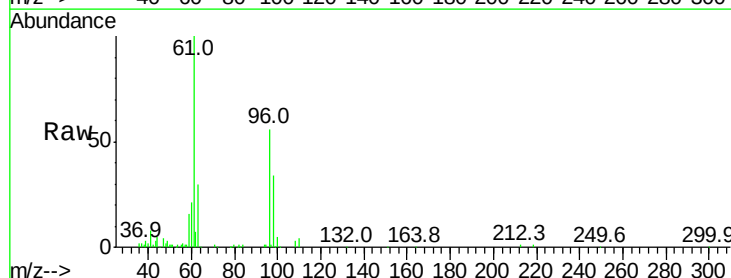
Tgt Ion: 59 Resp: 151424
Ion Ratio Lower Upper
59 100
57 11.0 8.2 12.2

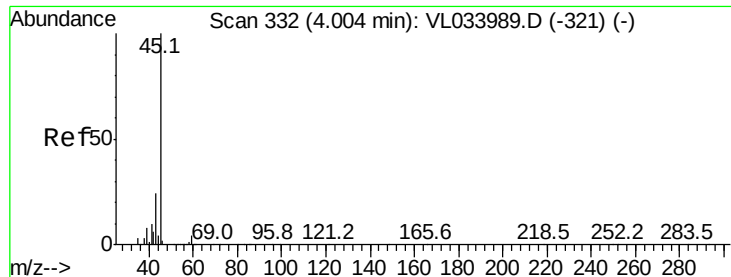


#18

1,1-Dichloroethene
Concen: 1.160 ppbv
RT: 4.33 min Scan# 433
Delta R.T. -0.00 min
Lab File: VL033991.D
Acq: 2 Jul 2019 14:59

Tgt Ion: 96 Resp: 78060
Ion Ratio Lower Upper
96 100
61 178.1 139.4 209.0
98 60.6 49.4 74.0





#19

Isopropyl Alcohol

Concen: 1.415 ppbv

RT: 4.01 min Scan# 335

Delta R.T. 0.01 min

Lab File: VL033991.D

Acq: 2 Jul 2019 14:59

Instrument :

MSVOA_L

ClientSampleId :

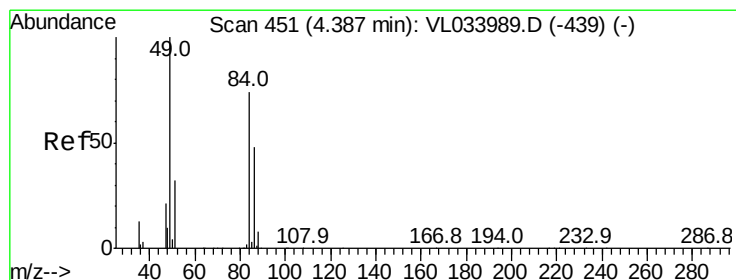
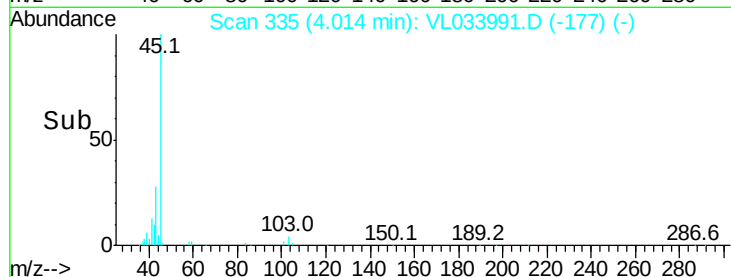
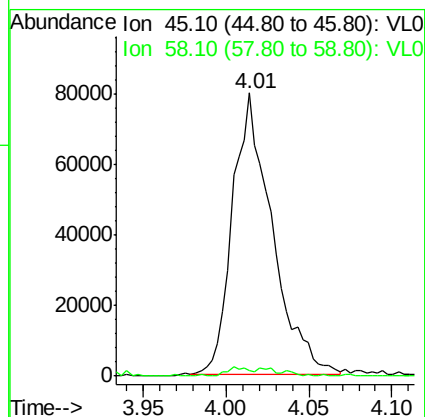
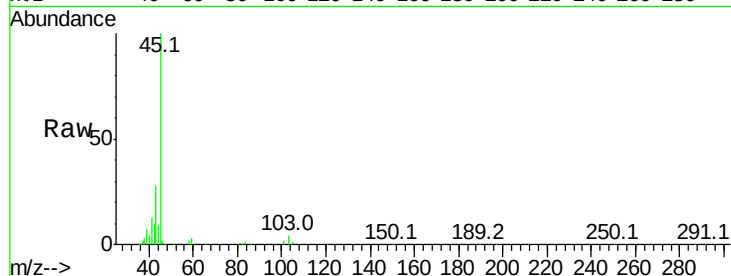
VSTDIC001

Tgt Ion: 45 Resp: 132719

Ion Ratio Lower Upper

45 100

58 4.1 1.7 2.5#



#20

Methylene Chloride

Concen: 0.644 ppbv

RT: 4.39 min Scan# 452

Delta R.T. 0.00 min

Lab File: VL033991.D

Acq: 2 Jul 2019 14:59

Tgt Ion: 84 Resp: 41256

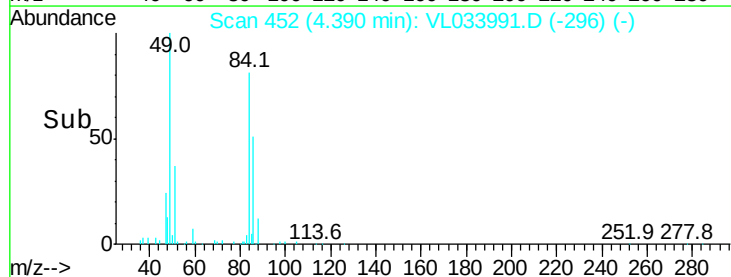
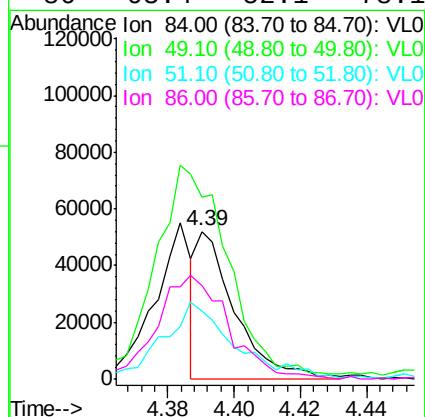
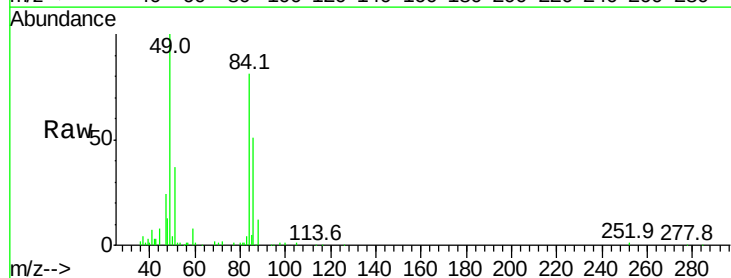
Ion Ratio Lower Upper

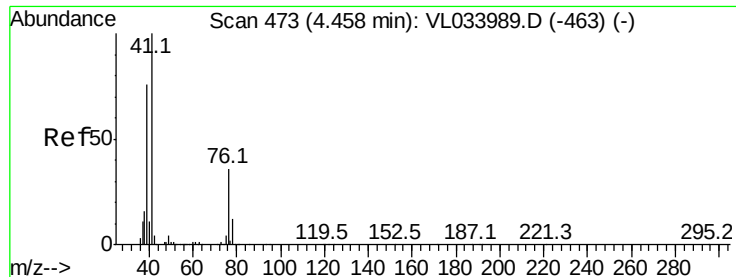
84 100

49 122.2 107.6 161.4

51 45.8 35.0 52.6

86 63.4 52.1 78.1





#21

Allyl Chloride

Concen: 1.199 ppbv

RT: 4.45 min Scan# 472

Delta R.T. -0.00 min

Lab File: VL033991.D

Acq: 2 Jul 2019 14:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

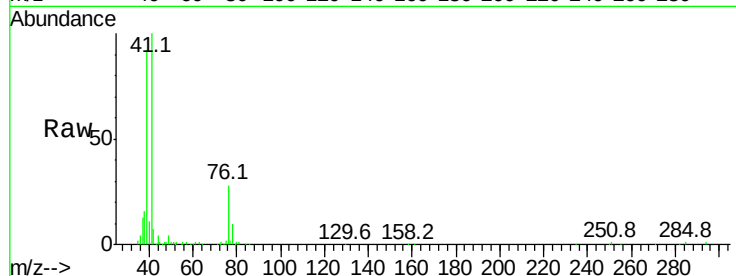
Tgt Ion: 41 Resp: 111833

Ion Ratio Lower Upper

41 100

76 34.3 26.8 40.2

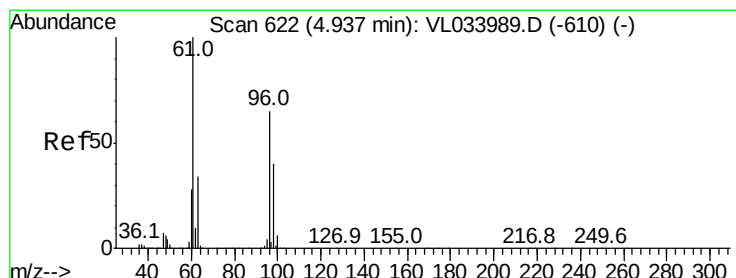
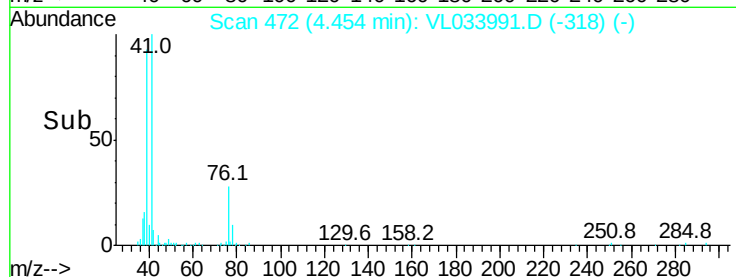
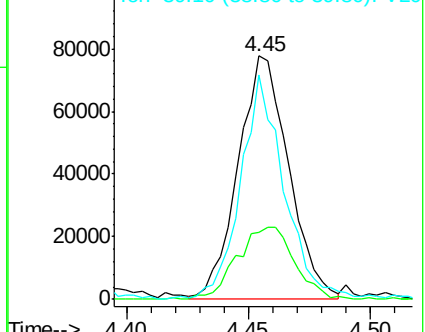
39 80.9 63.1 94.7



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 76.10 (75.80 to 76.80): VL0

Ion 39.10 (38.80 to 39.80): VL0



#22

trans-1,2-Dichloroethene

Concen: 1.164 ppbv

RT: 4.94 min Scan# 622

Delta R.T. -0.00 min

Lab File: VL033991.D

Acq: 2 Jul 2019 14:59

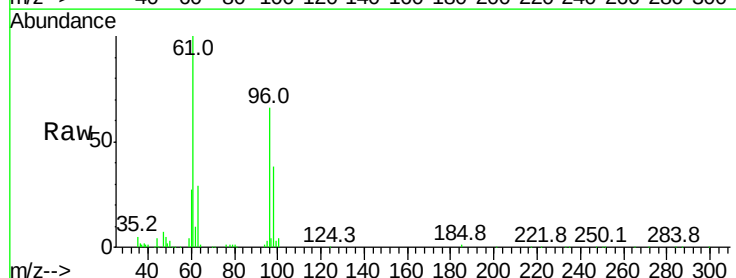
Tgt Ion: 96 Resp: 82554

Ion Ratio Lower Upper

96 100

61 150.2 122.9 184.3

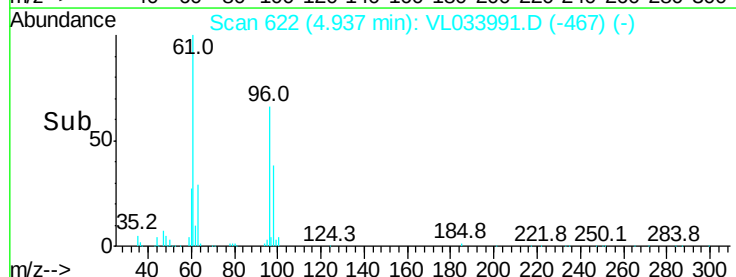
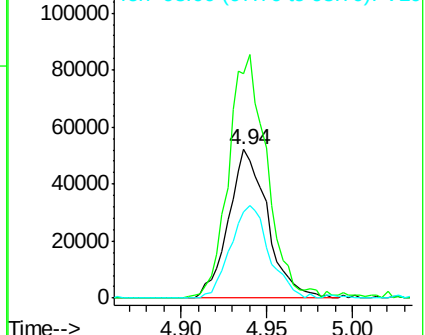
98 57.6 49.6 74.4

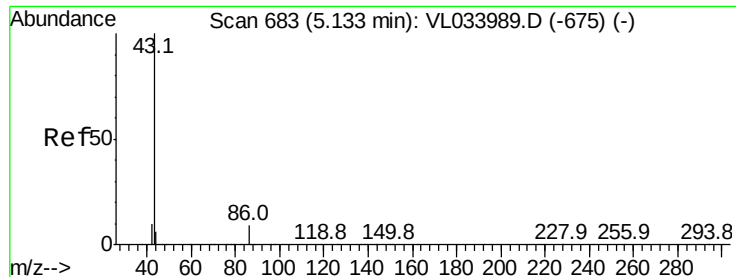


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 1.044 ppbv

RT: 5.13 min Scan# 682

Delta R.T. -0.00 min

Lab File: VL033991.D

Acq: 2 Jul 2019 14:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion: 43 Resp: 199365

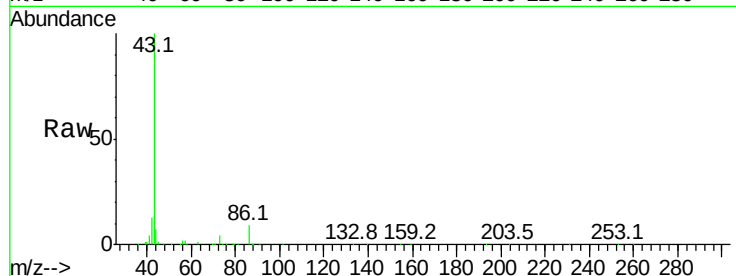
Ion Ratio Lower Upper

43 100

86 8.7 6.6 9.8

42 12.4 8.3 12.5

44 5.8 4.3 6.5

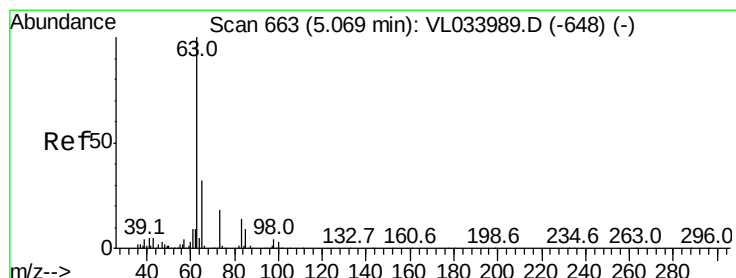
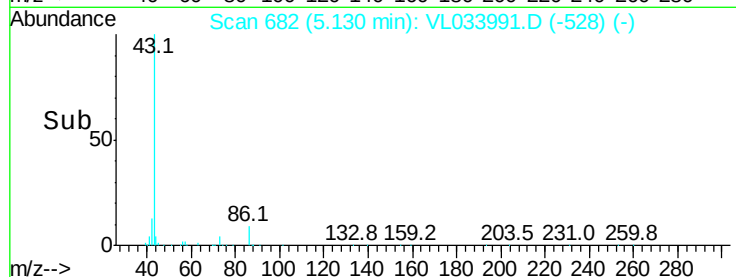
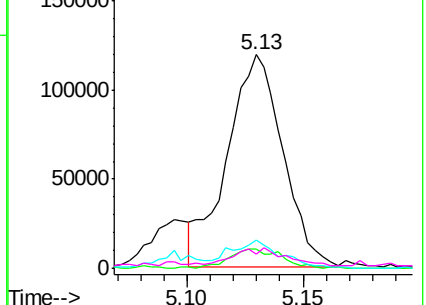


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 1.172 ppbv

RT: 5.06 min Scan# 661

Delta R.T. -0.01 min

Lab File: VL033991.D

Acq: 2 Jul 2019 14:59

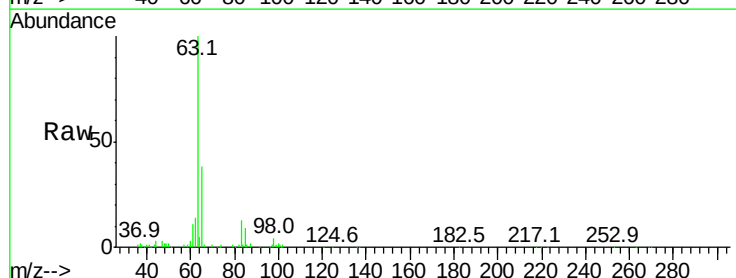
Tgt Ion: 63 Resp: 174045

Ion Ratio Lower Upper

63 100

98 3.6 2.2 6.6

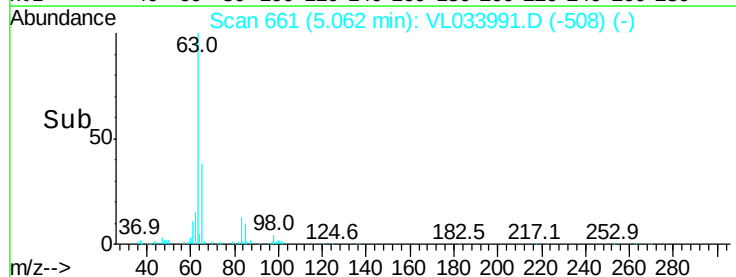
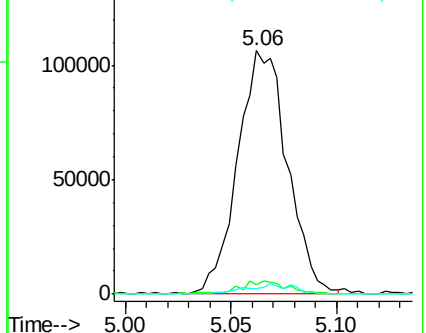
100 2.1 1.4 4.2

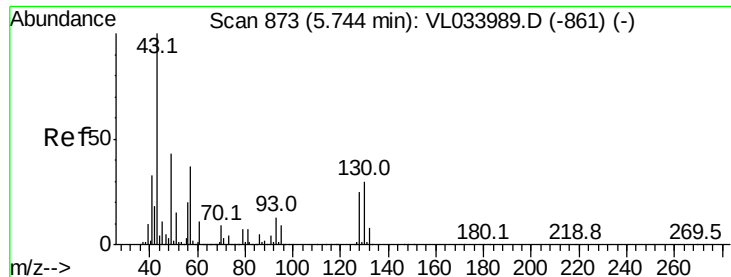


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 1.044 ppbv

RT: 5.74 min Scan# 873

Delta R.T. -0.00 min

Lab File: VL033991.D

Acq: 2 Jul 2019 14:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion: 43 Resp: 261075

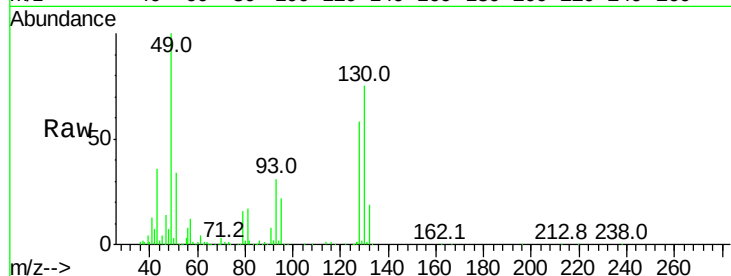
Ion Ratio Lower Upper

43 100

45 11.0 8.1 12.1

61 10.3 8.1 12.1

70 8.0 6.3 9.5

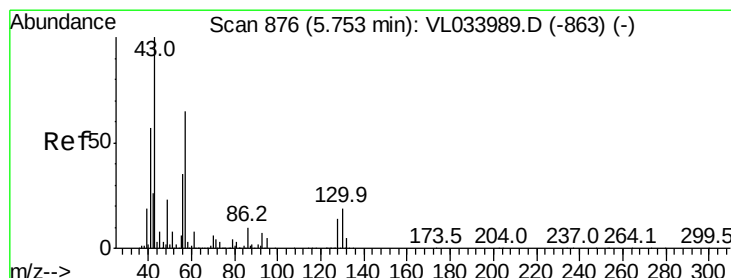
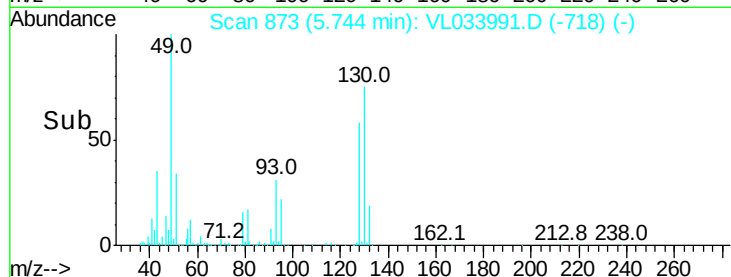
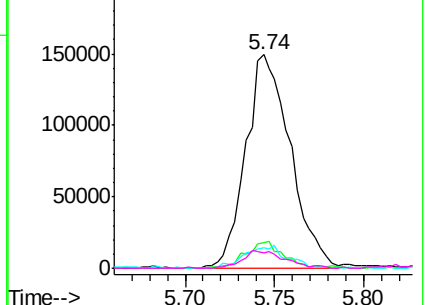


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 1.071 ppbv

RT: 5.75 min Scan# 875

Delta R.T. -0.00 min

Lab File: VL033991.D

Acq: 2 Jul 2019 14:59

Tgt Ion: 57 Resp: 121946

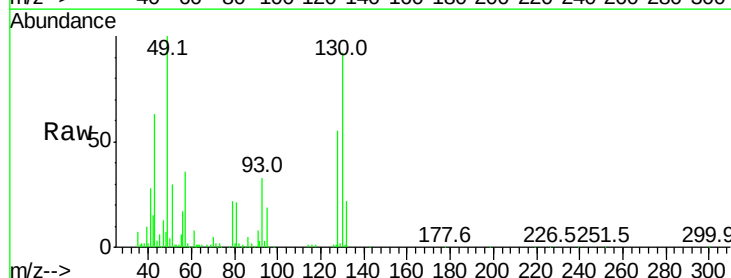
Ion Ratio Lower Upper

57 100

41 94.1 70.6 105.8

43 220.1 177.6 266.4

56 57.6 42.6 64.0

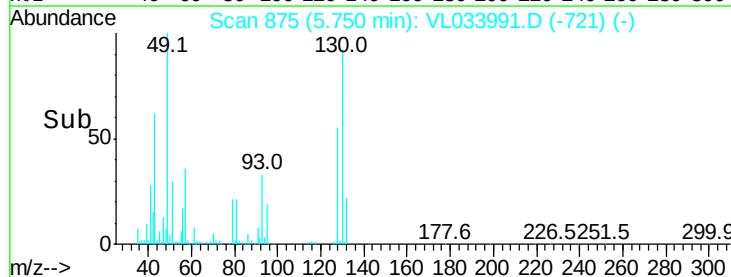
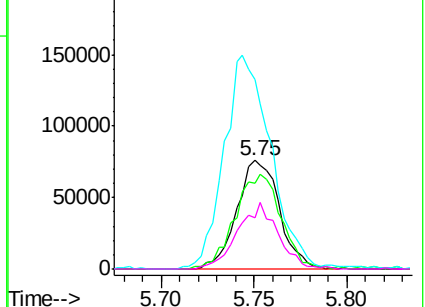


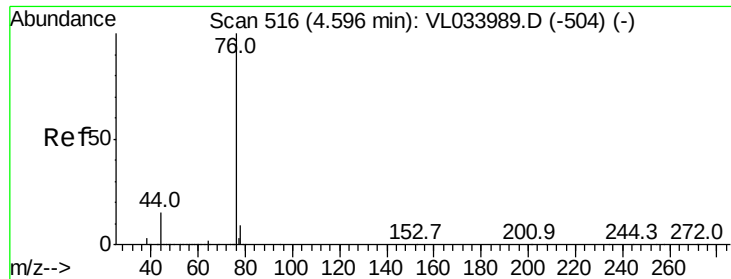
Abundance Ion 57.10 (56.80 to 57.80): VL0

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: 1.169 ppbv

RT: 4.60 min Scan# 517

Delta R.T. 0.00 min

Lab File: VL033991.D

Acq: 2 Jul 2019 14:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

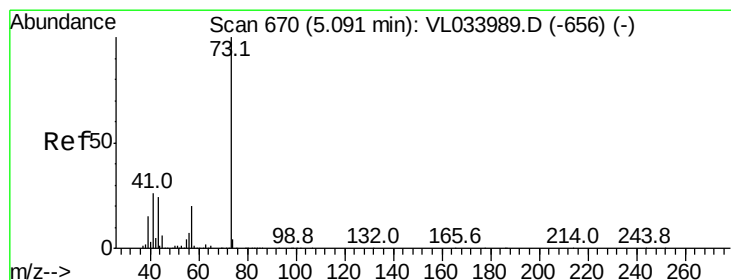
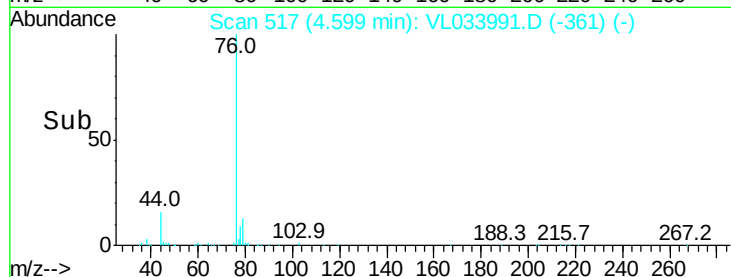
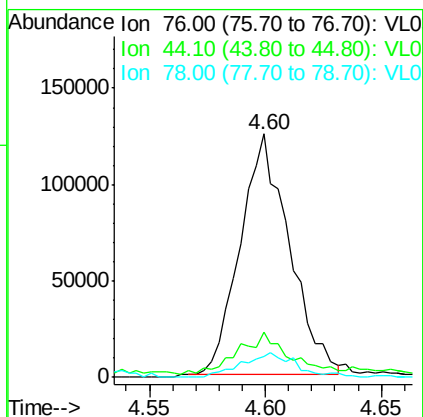
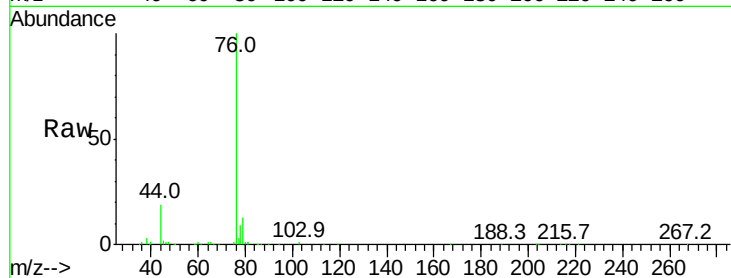
Tgt Ion: 76 Resp: 184973

Ion Ratio Lower Upper

76 100

44 19.8 12.6 18.8#

78 11.5 7.2 10.8#



#28

Methyl tert-Butyl Ether

Concen: 1.159 ppbv

RT: 5.10 min Scan# 672

Delta R.T. 0.01 min

Lab File: VL033991.D

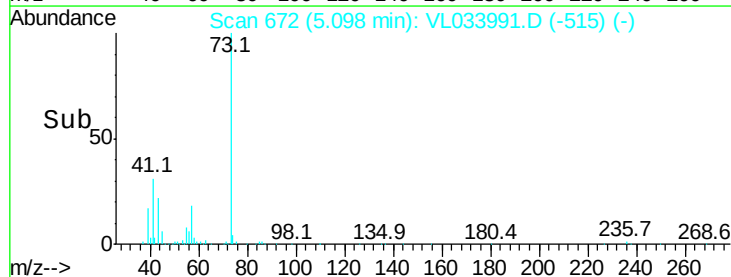
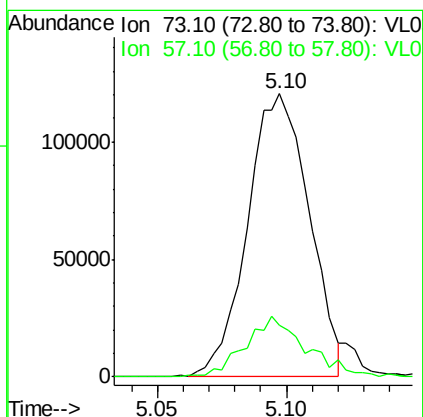
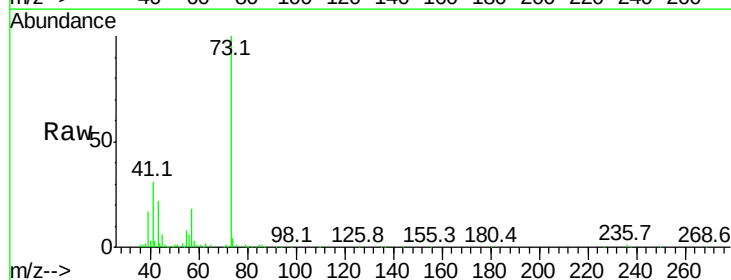
Acq: 2 Jul 2019 14:59

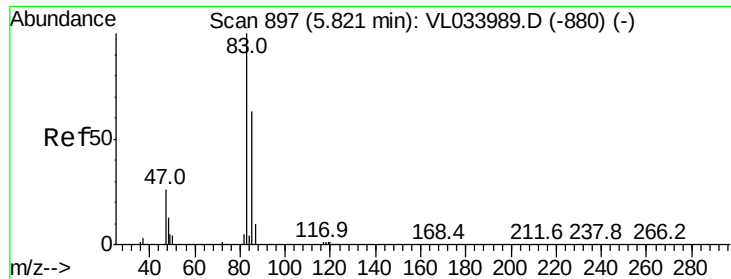
Tgt Ion: 73 Resp: 199591

Ion Ratio Lower Upper

73 100

57 21.3 16.9 25.3

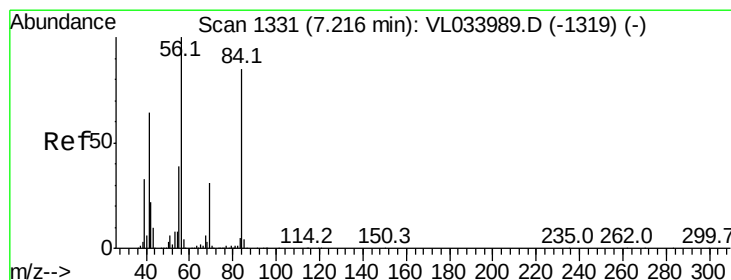
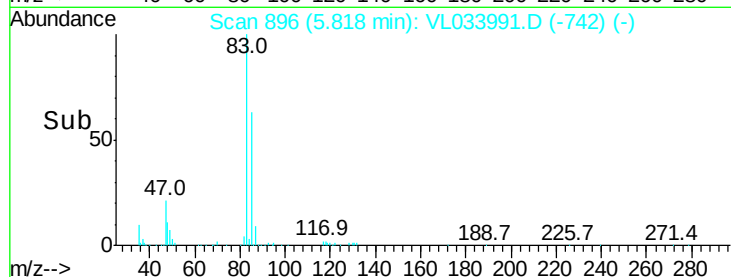
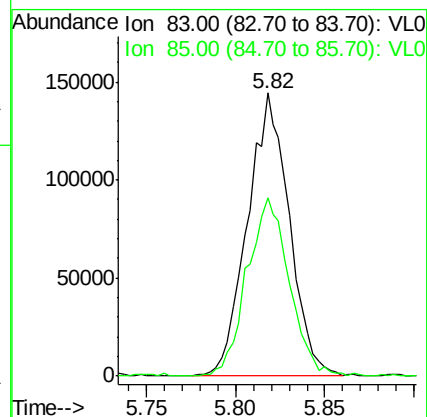
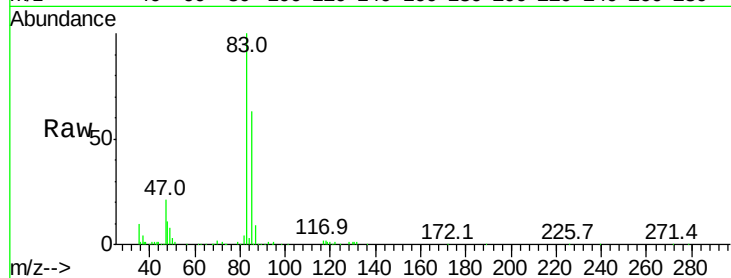




#29
Chloroform
Concen: 1.214 ppbv
RT: 5.82 min Scan# 896
Delta R.T. -0.00 min
Lab File: VL033991.D
Acq: 2 Jul 2019 14:59

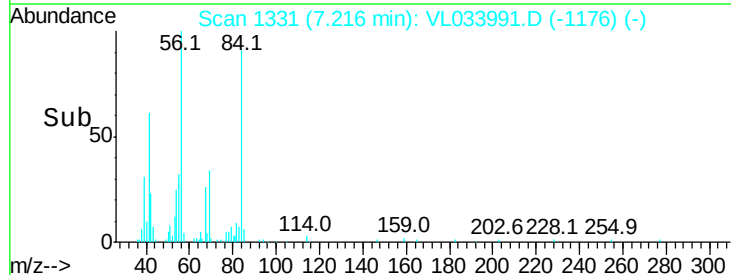
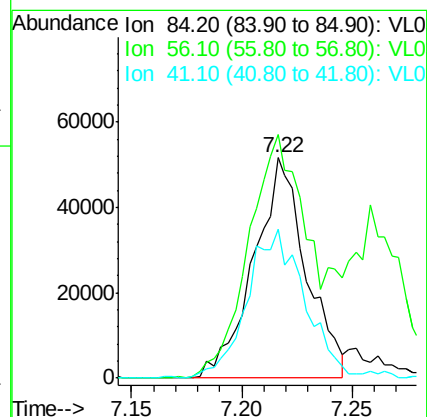
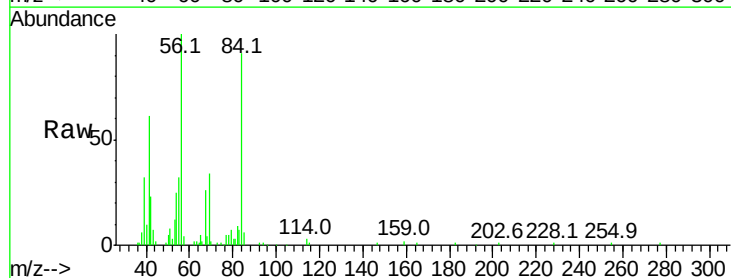
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

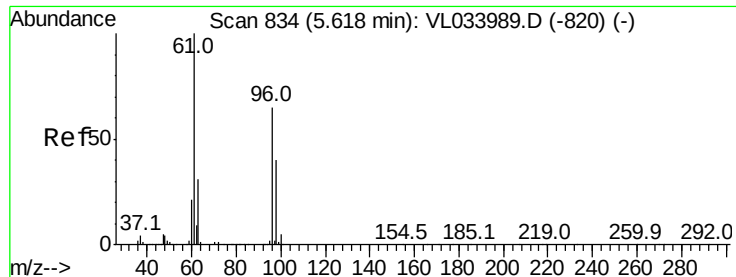
Tgt Ion: 83 Resp: 236773
Ion Ratio Lower Upper
83 100
85 63.1 50.6 75.8



#30
Cyclohexane
Concen: 1.050 ppbv
RT: 7.22 min Scan# 1331
Delta R.T. -0.00 min
Lab File: VL033991.D
Acq: 2 Jul 2019 14:59

Tgt Ion: 84 Resp: 84481
Ion Ratio Lower Upper
84 100
56 136.9 103.7 155.5
41 75.7 62.6 94.0





#31

cis-1,2-Dichloroethene

Concen: 1.049 ppbv

RT: 5.62 min Scan# 833

Delta R.T. -0.00 min

Lab File: VL033991.D

Acq: 2 Jul 2019 14:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

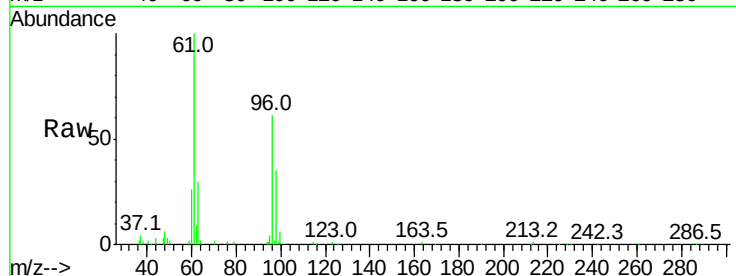
Tgt Ion: 61 Resp: 104722

Ion Ratio Lower Upper

61 100

96 59.6 51.8 77.6

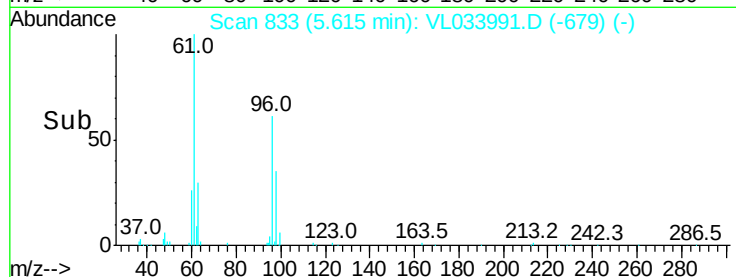
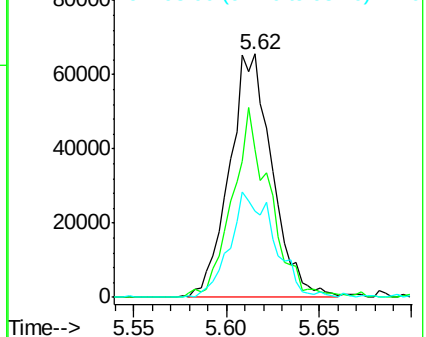
98 35.1 32.1 48.1



Abundance Ion 61.10 (60.80 to 61.80): VL0

Ion 96.00 (95.70 to 96.70): VL0

Ion 98.00 (97.70 to 98.70): VL0



#32

1,1,1-Trichloroethane

Concen: 1.153 ppbv

RT: 6.59 min Scan# 1136

Delta R.T. -0.00 min

Lab File: VL033991.D

Acq: 2 Jul 2019 14:59

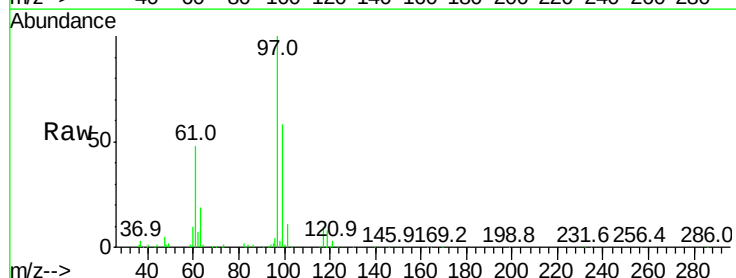
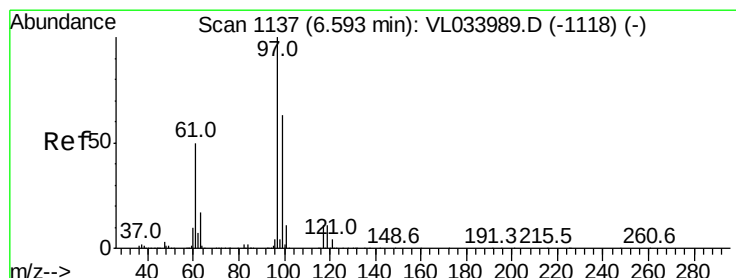
Tgt Ion: 97 Resp: 217003

Ion Ratio Lower Upper

97 100

99 63.8 51.9 77.9

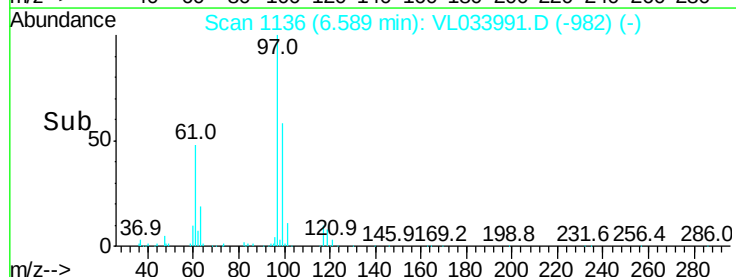
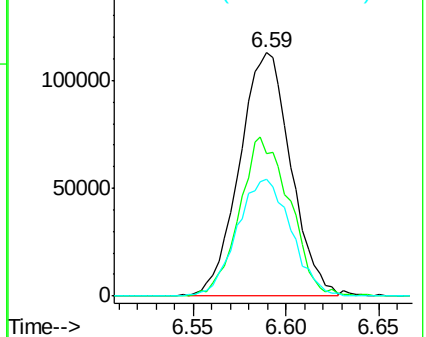
61 50.6 39.8 59.8

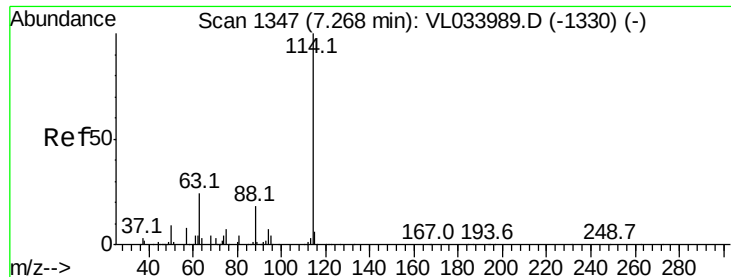


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

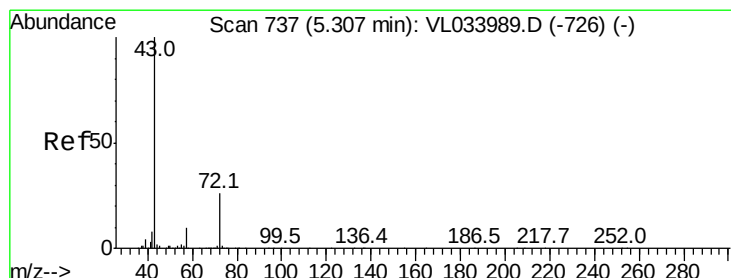
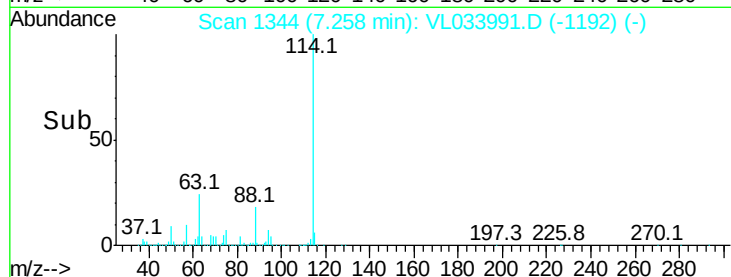
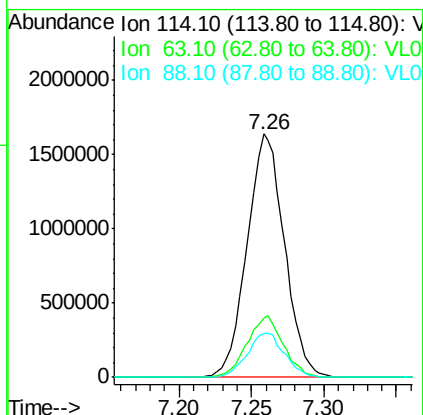
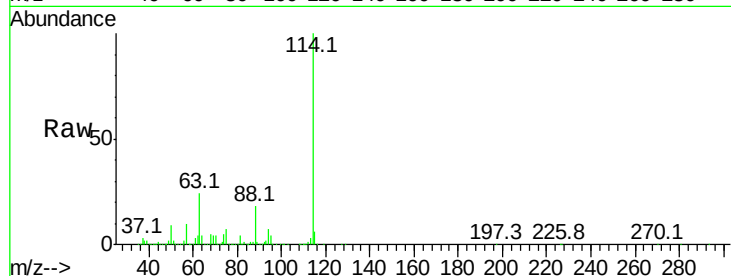




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.26 min Scan# 1344
 Delta R.T. -0.01 min
 Lab File: VL033991.D
 Acq: 2 Jul 2019 14:59

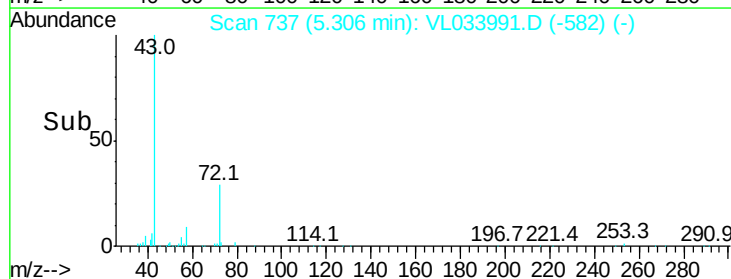
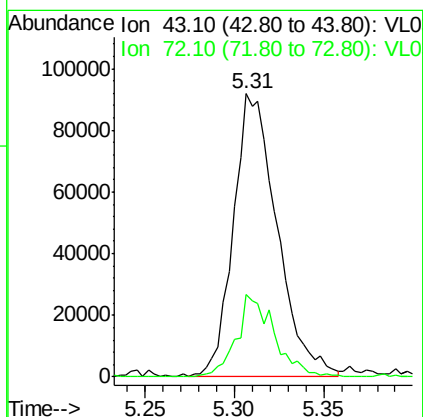
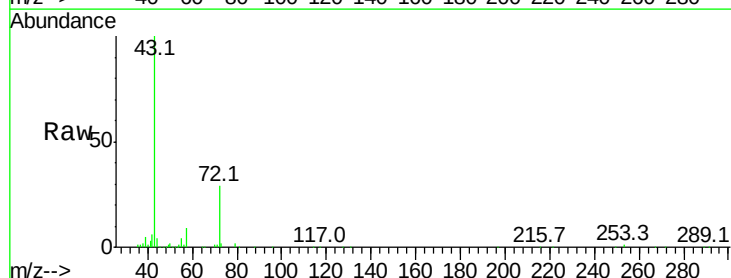
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

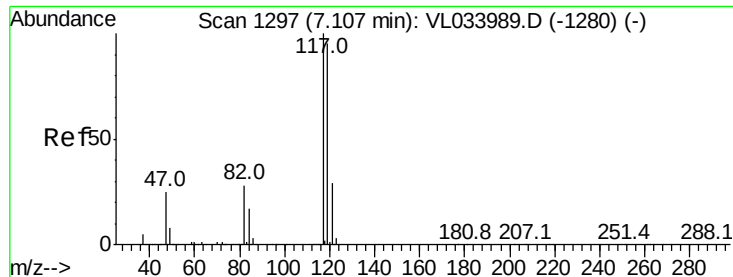
Tgt Ion:114 Resp: 2937945
 Ion Ratio Lower Upper
 114 100
 63 24.7 20.2 30.2
 88 18.3 14.1 21.1



#34
 2-Butanone
 Concen: 0.945 ppbv
 RT: 5.31 min Scan# 737
 Delta R.T. -0.00 min
 Lab File: VL033991.D
 Acq: 2 Jul 2019 14:59

Tgt Ion: 43 Resp: 156594
 Ion Ratio Lower Upper
 43 100
 72 25.3 19.9 29.9





#35

Carbon Tetrachloride

Concen: 1.009 ppbv

RT: 7.10 min Scan# 1296

Delta R.T. -0.00 min

Lab File: VL033991.D

Acq: 2 Jul 2019 14:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

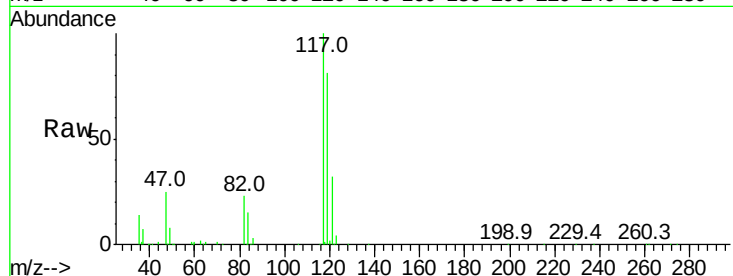
Tgt Ion: 117 Resp: 229121

Ion Ratio Lower Upper

117 100

119 81.1 75.8 113.6

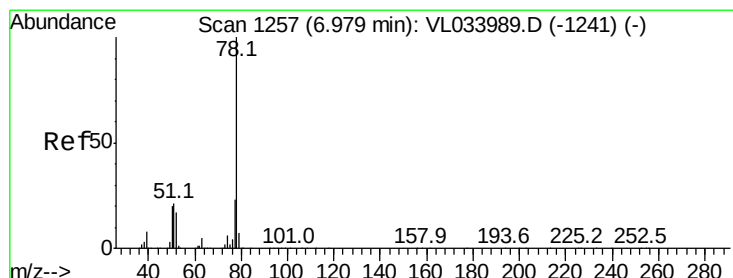
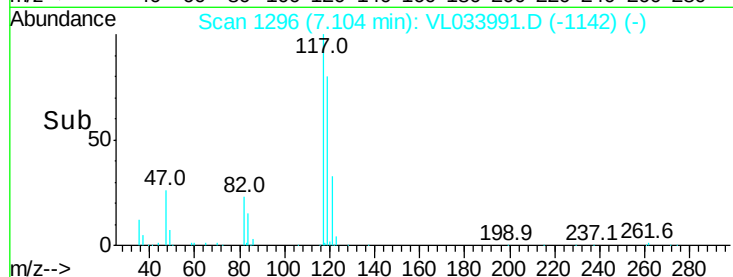
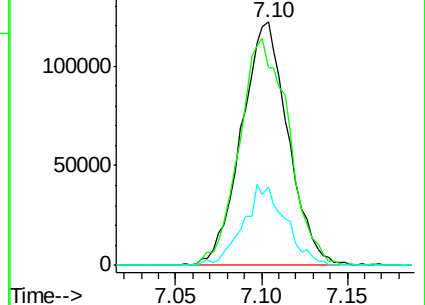
121 32.3 23.4 35.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 0.974 ppbv

RT: 6.97 min Scan# 1255

Delta R.T. -0.01 min

Lab File: VL033991.D

Acq: 2 Jul 2019 14:59

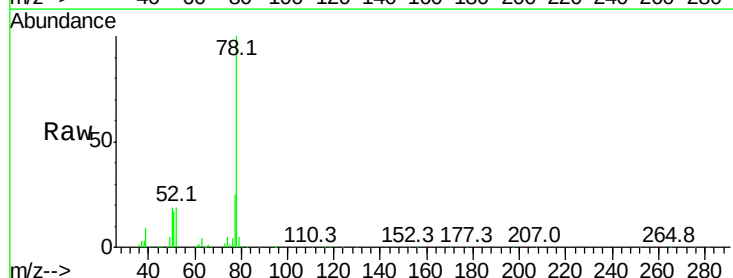
Tgt Ion: 78 Resp: 218515

Ion Ratio Lower Upper

78 100

77 24.3 18.7 28.1

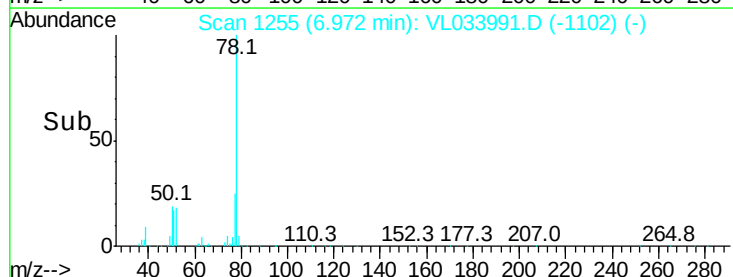
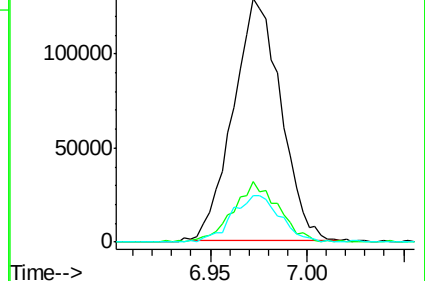
50 19.0 16.2 24.2

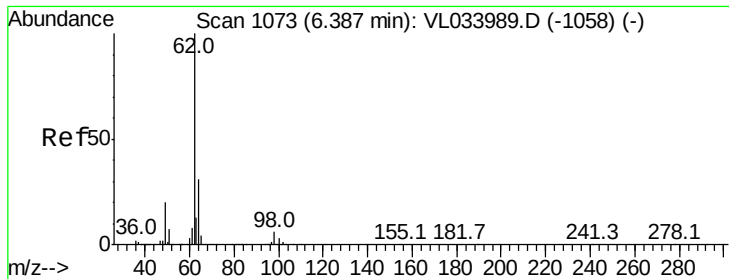


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

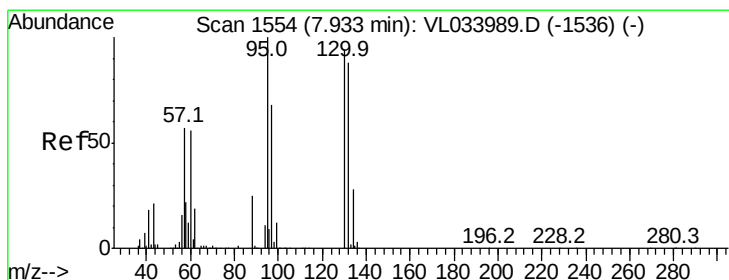
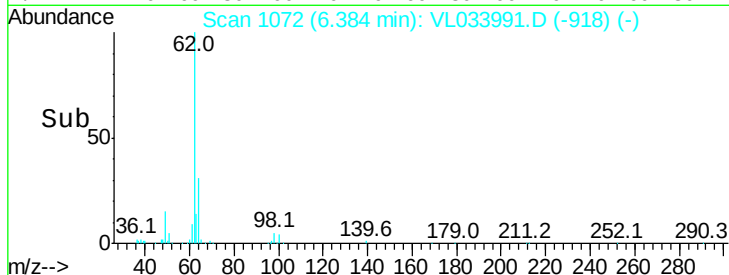
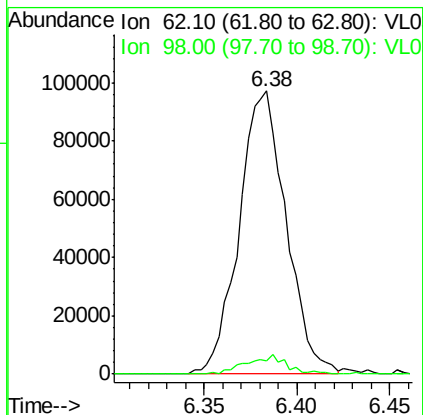
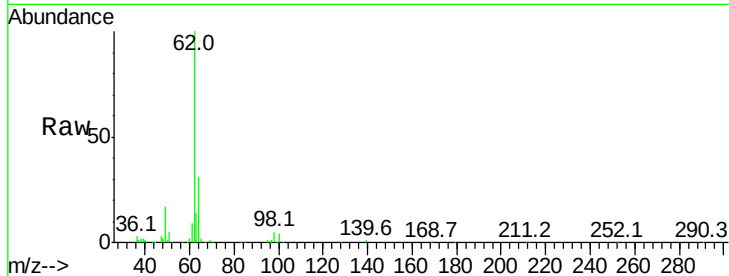




#37
 1,2-Dichloroethane
 Concen: 1.027 ppbv
 RT: 6.38 min Scan# 1072
 Delta R.T. -0.00 min
 Lab File: VL033991.D
 Acq: 2 Jul 2019 14:59

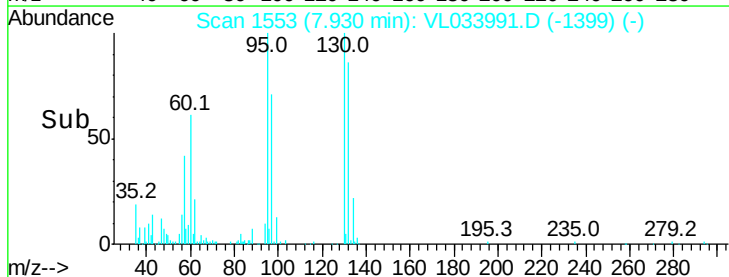
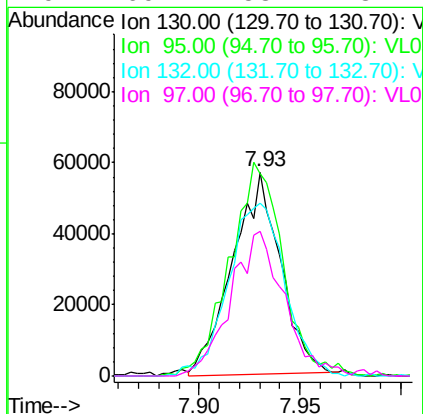
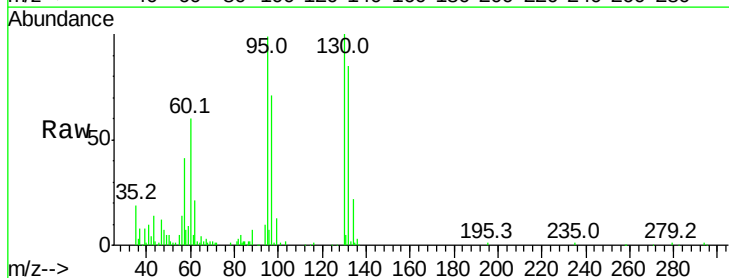
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

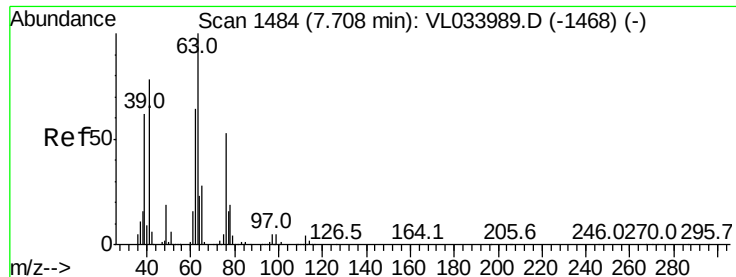
Tgt Ion: 62 Resp: 170522
 Ion Ratio Lower Upper
 62 100
 98 5.8 4.4 6.6



#38
 Trichloroethene
 Concen: 1.082 ppbv
 RT: 7.93 min Scan# 1553
 Delta R.T. -0.00 min
 Lab File: VL033991.D
 Acq: 2 Jul 2019 14:59

Tgt Ion: 130 Resp: 94533
 Ion Ratio Lower Upper
 130 100
 95 96.3 85.5 128.3
 132 84.9 75.1 112.7
 97 69.4 58.1 87.1





#39

1,2-Dichloropropane

Concen: 0.984 ppbv

RT: 7.70 min Scan# 1482

Delta R.T. -0.01 min

Lab File: VL033991.D

Acq: 2 Jul 2019 14:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

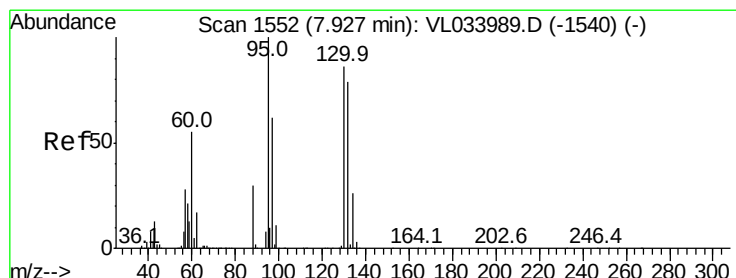
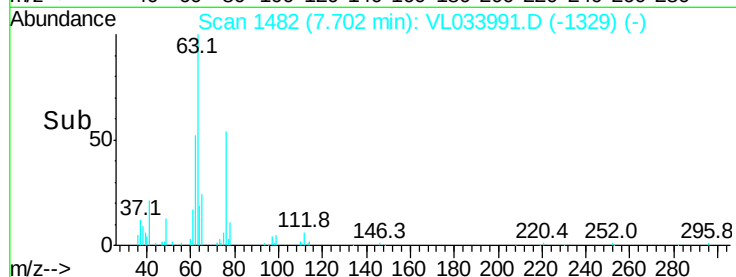
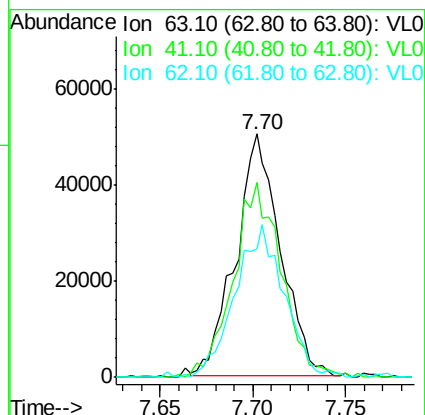
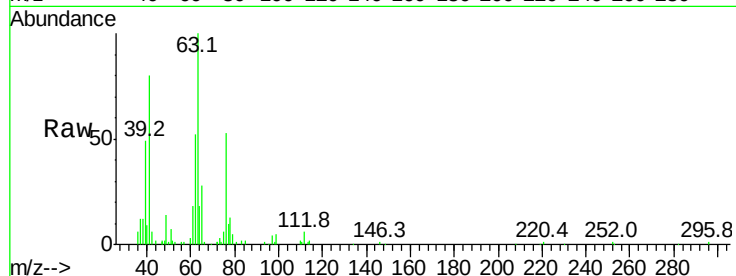
Tgt Ion: 63 Resp: 85199

Ion Ratio Lower Upper

63 100

41 79.4 62.3 93.5

62 51.1 51.4 77.2#



#40

1,4-Dioxane

Concen: 0.714 ppbv

RT: 7.95 min Scan# 1559

Delta R.T. 0.02 min

Lab File: VL033991.D

Acq: 2 Jul 2019 14:59

Tgt Ion: 88 Resp: 25207

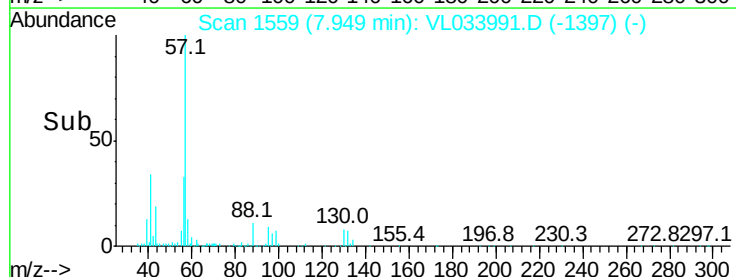
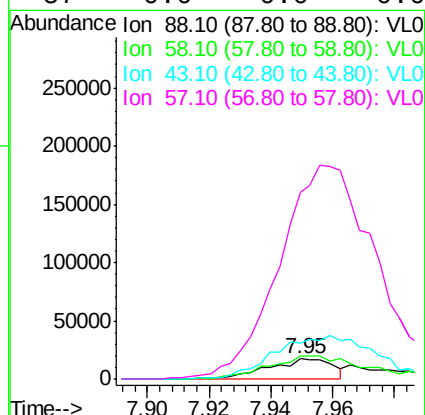
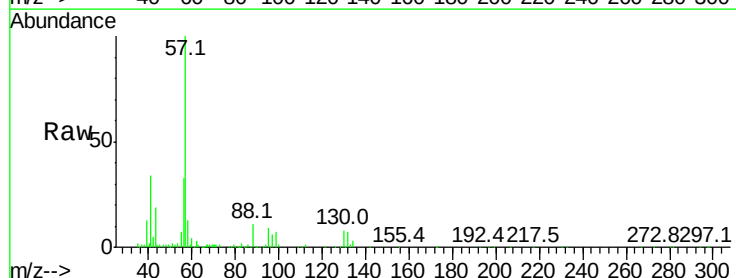
Ion Ratio Lower Upper

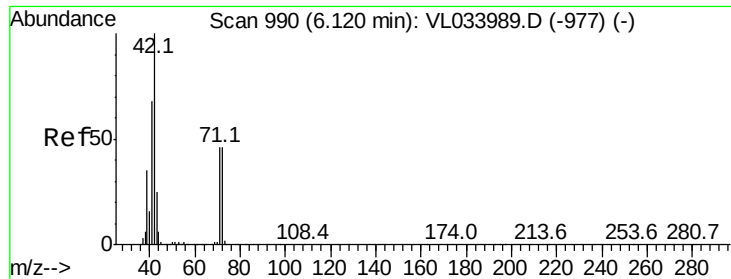
88 100

58 185.9 99.1 148.7#

43 0.0 0.0 0.0

57 0.0 0.0 0.0

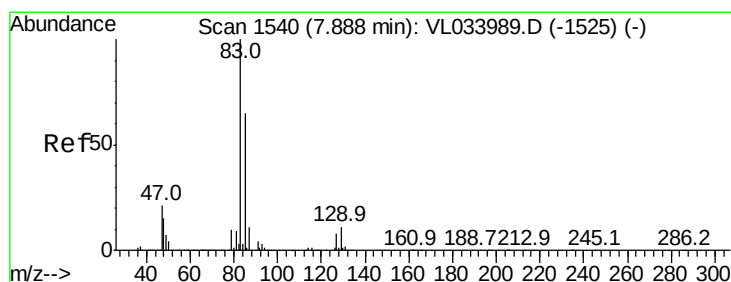
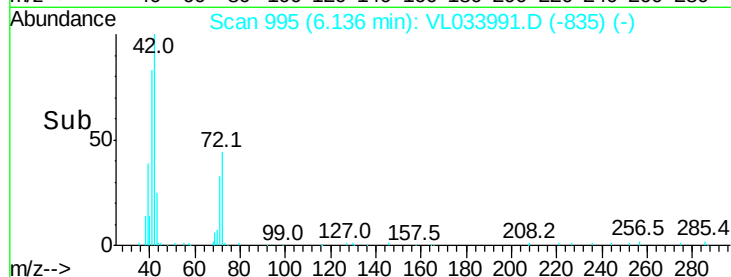
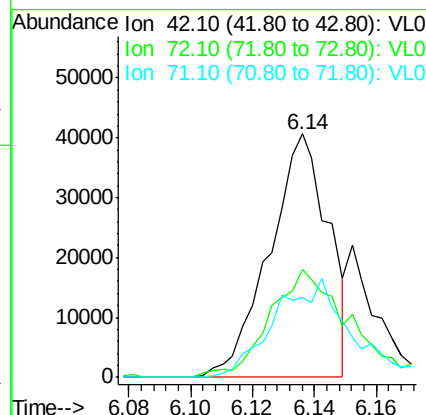
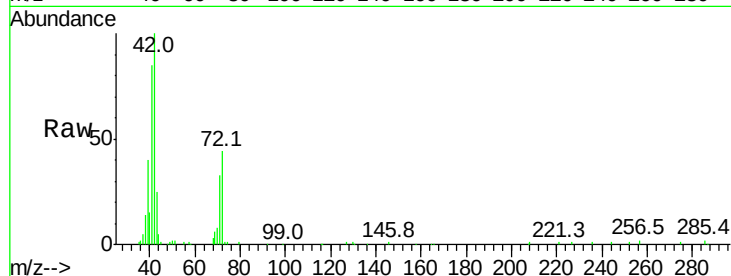




#41
Tetrahydrofuran
Concen: 0.641 ppbv
RT: 6.14 min Scan# 995
Delta R.T. 0.02 min
Lab File: VL033991.D
Acq: 2 Jul 2019 14:59

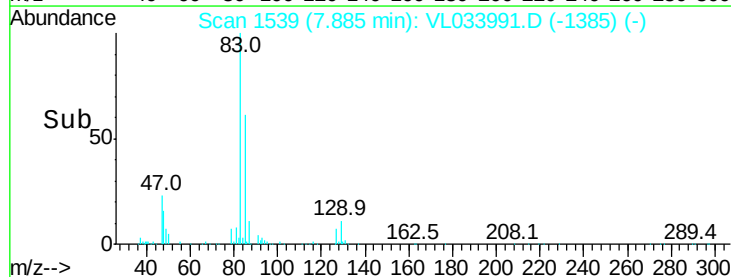
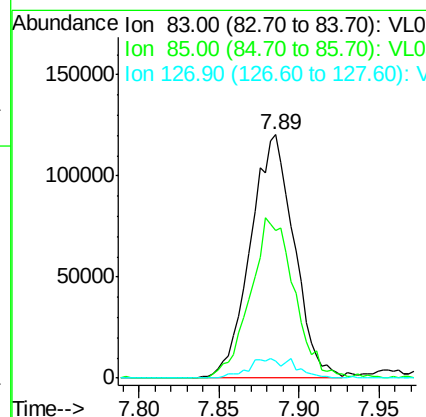
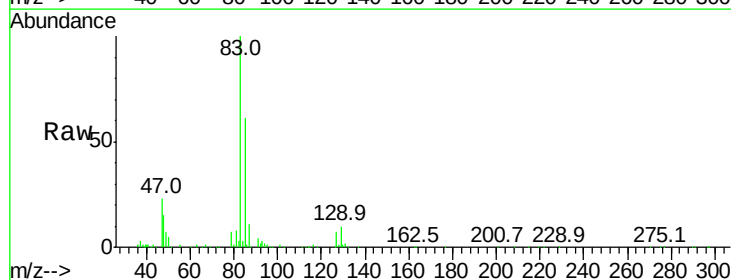
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

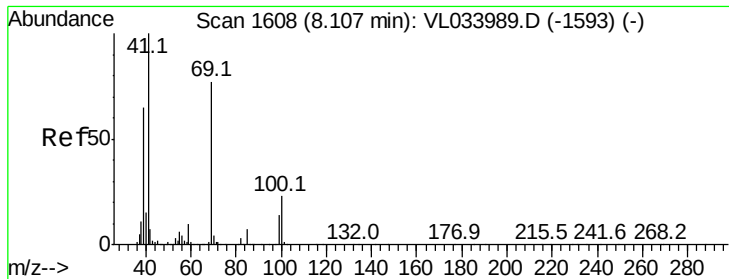
Tgt Ion: 42 Resp: 53883
Ion Ratio Lower Upper
42 100
72 62.0 37.3 55.9#
71 53.1 36.2 54.2



#42
Bromodichloromethane
Concen: 1.016 ppbv
RT: 7.89 min Scan# 1539
Delta R.T. -0.00 min
Lab File: VL033991.D
Acq: 2 Jul 2019 14:59

Tgt Ion: 83 Resp: 225417
Ion Ratio Lower Upper
83 100
85 60.8 51.8 77.8
127 7.3 6.5 9.7





#43

Methyl Methacrylate

Concen: 0.954 ppbv

RT: 8.11 min Scan# 1609

Delta R.T. 0.00 min

Lab File: VL033991.D

Acq: 2 Jul 2019 14:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

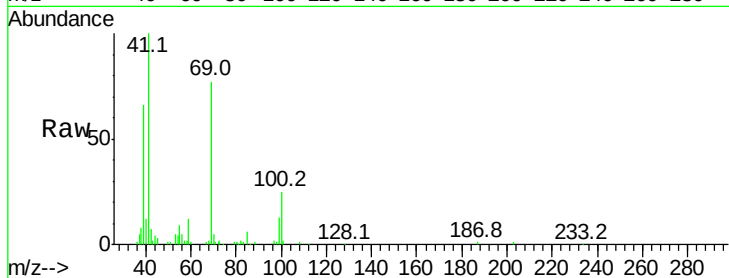
Tgt Ion: 69 Resp: 80059

Ion Ratio Lower Upper

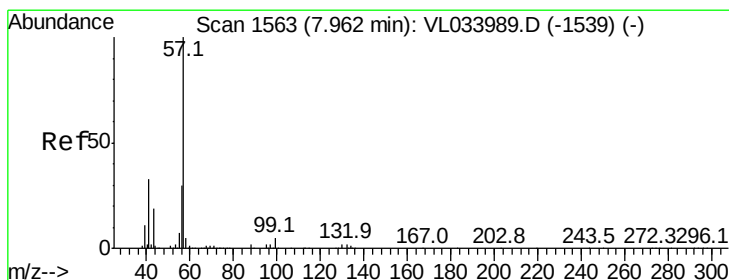
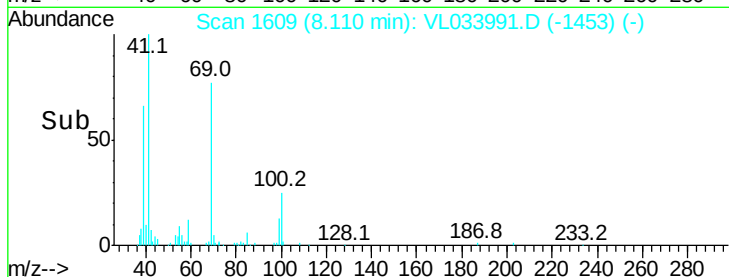
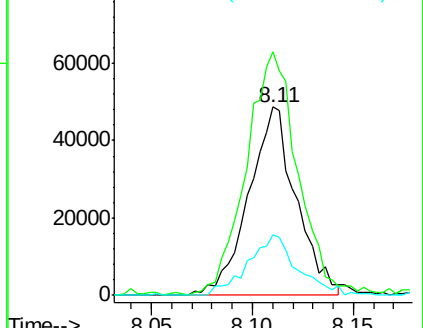
69 100

41 141.9 109.1 163.7

100 33.6 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: 0.992 ppbv

RT: 7.96 min Scan# 1561

Delta R.T. -0.01 min

Lab File: VL033991.D

Acq: 2 Jul 2019 14:59

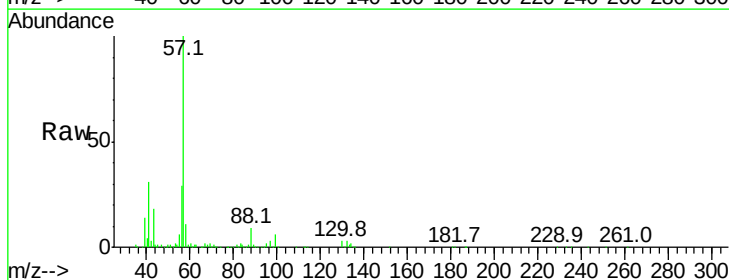
Tgt Ion: 57 Resp: 396089

Ion Ratio Lower Upper

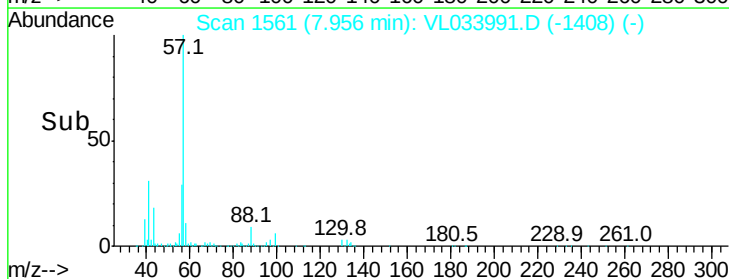
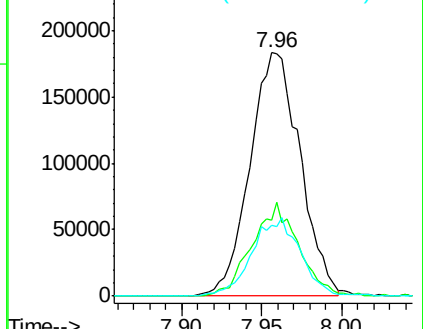
57 100

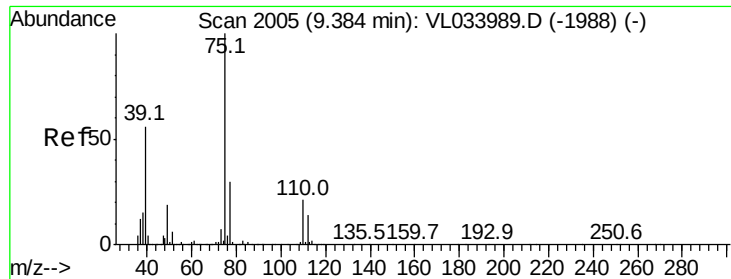
41 35.6 26.1 39.1

56 31.2 24.4 36.6



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

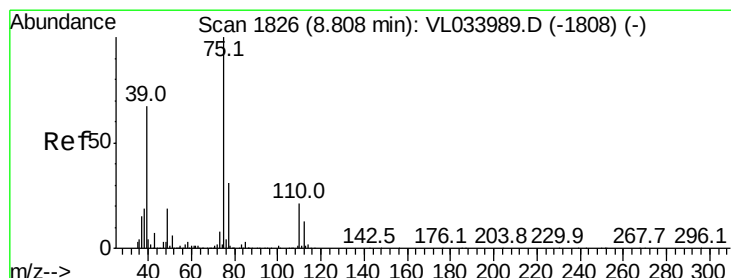
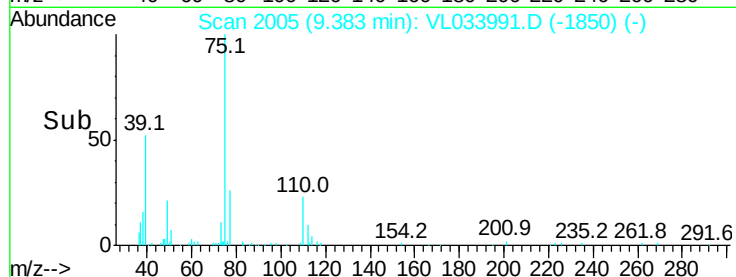
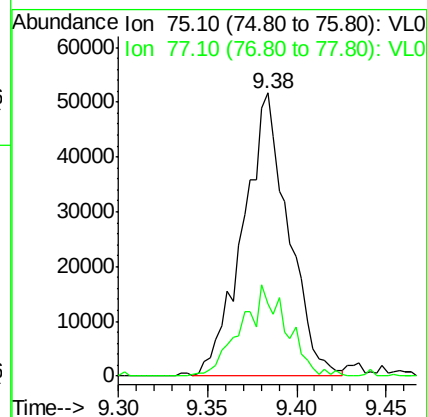
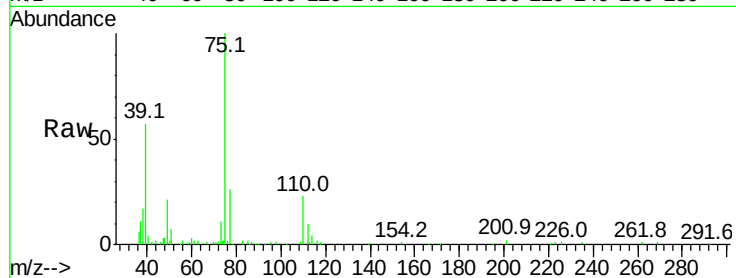




#45
 t-1,3-Dichloropropene
 Concen: 0.827 ppbv
 RT: 9.38 min Scan# 2005
 Delta R.T. -0.00 min
 Lab File: VL033991.D
 Acq: 2 Jul 2019 14:59

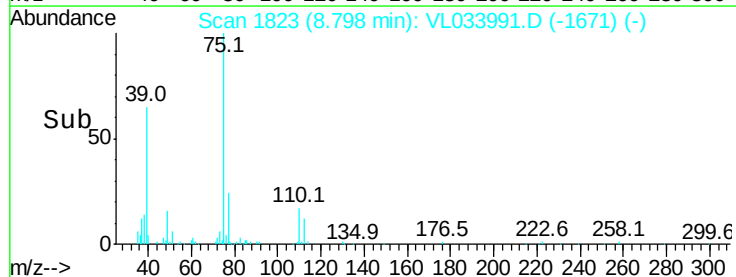
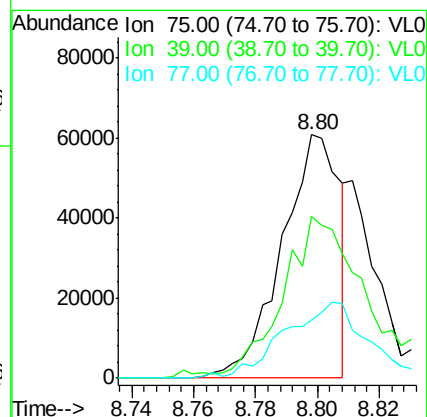
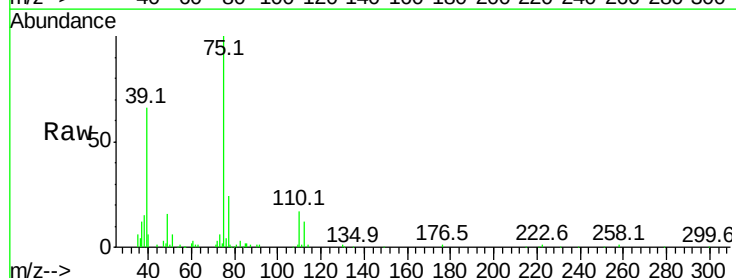
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

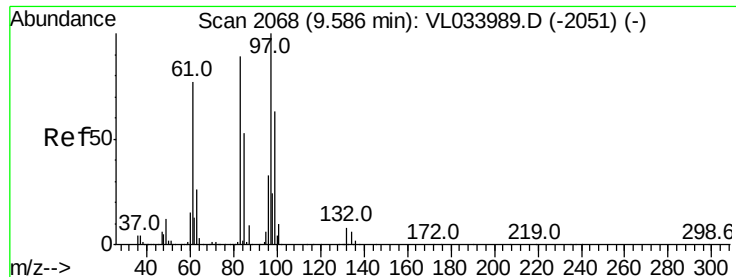
Tgt Ion: 75 Resp: 91098
 Ion Ratio Lower Upper
 75 100
 77 25.5 24.3 36.5



#46
 cis-1,3-Dichloropropene
 Concen: 0.621 ppbv
 RT: 8.80 min Scan# 1823
 Delta R.T. -0.01 min
 Lab File: VL033991.D
 Acq: 2 Jul 2019 14:59

Tgt Ion: 75 Resp: 78410
 Ion Ratio Lower Upper
 75 100
 39 64.4 53.8 80.6
 77 23.7 24.5 36.7#





#47

1,1,2-Trichloroethane

Concen: 1.007 ppbv

RT: 9.58 min Scan# 2065

Delta R.T. -0.01 min

Lab File: VL033991.D

Acq: 2 Jul 2019 14:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion: 97 Resp: 104024

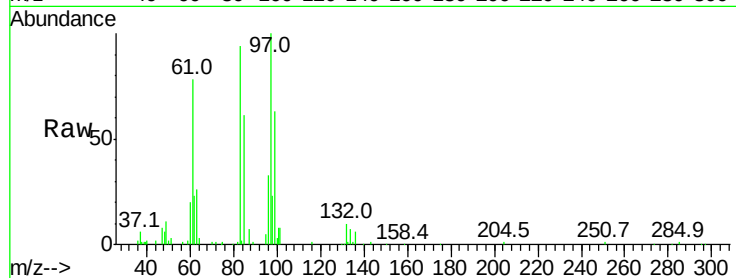
Ion Ratio Lower Upper

97 100

83 91.0 71.1 106.7

85 59.6 42.6 64.0

99 61.2 50.3 75.5

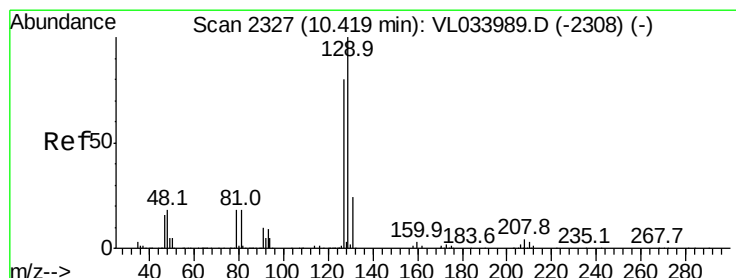
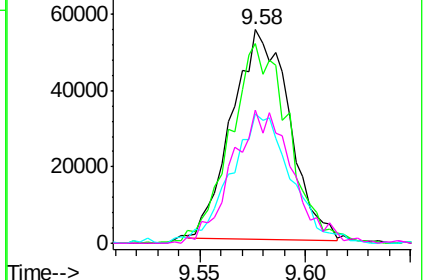
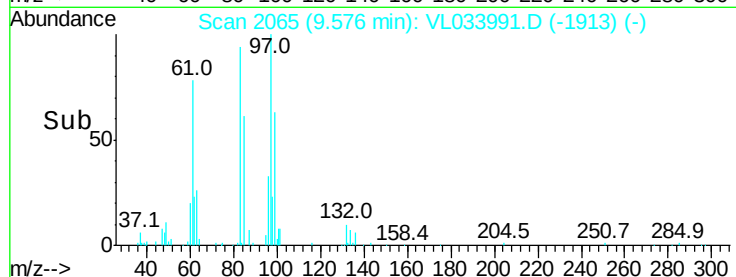


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 1.001 ppbv

RT: 10.41 min Scan# 2325

Delta R.T. -0.01 min

Lab File: VL033991.D

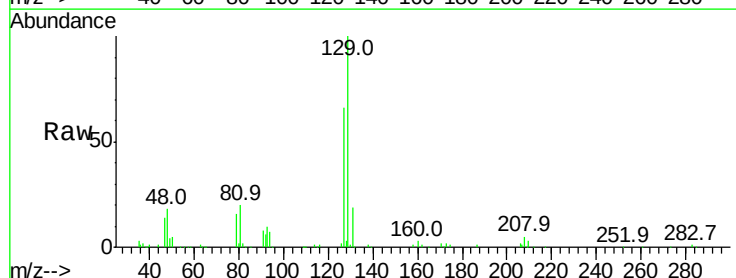
Acq: 2 Jul 2019 14:59

Tgt Ion: 129 Resp: 185732

Ion Ratio Lower Upper

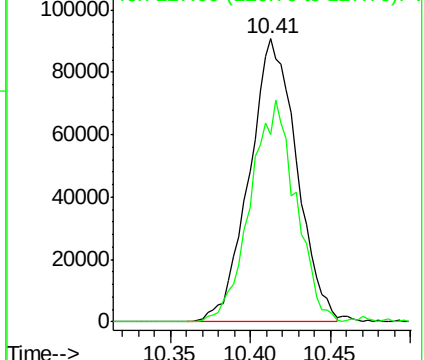
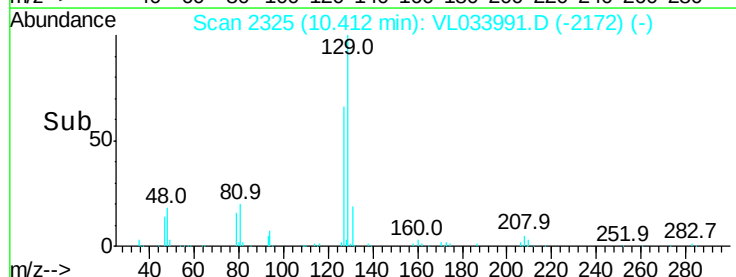
129 100

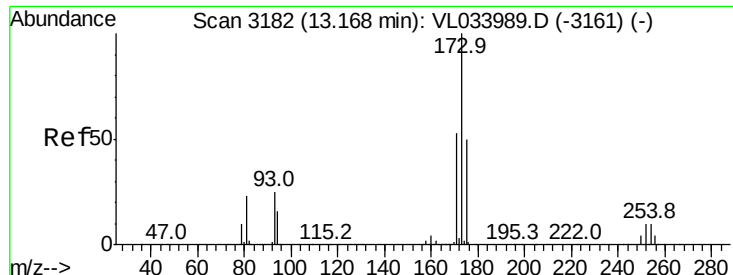
127 75.7 39.1 117.3



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 1.038 ppbv

RT: 13.16 min Scan# 3181

Delta R.T. -0.00 min

Lab File: VL033991.D

Acq: 2 Jul 2019 14:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

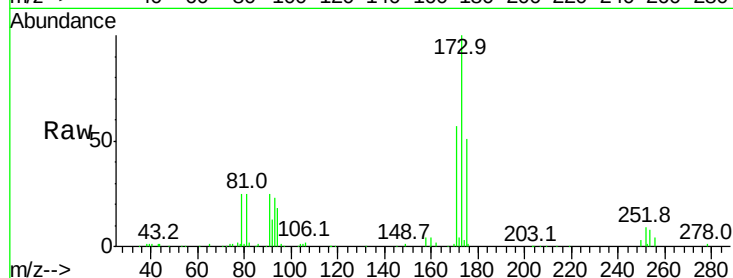
Tgt Ion: 173 Resp: 170100

Ion Ratio Lower Upper

173 100

175 50.3 39.3 58.9

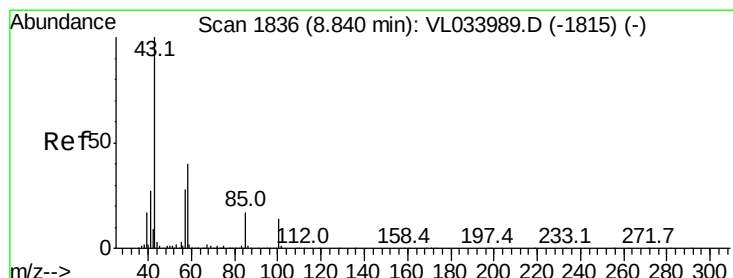
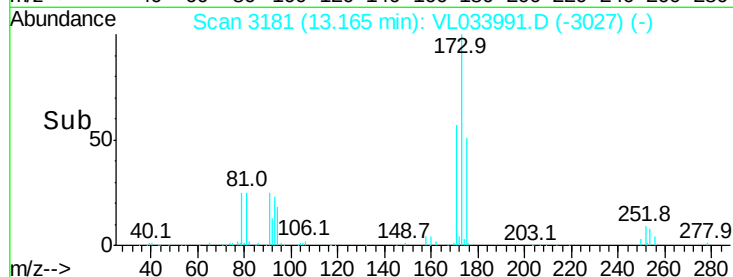
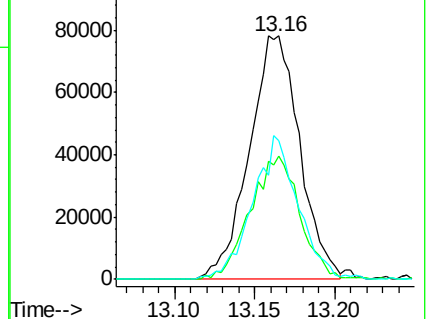
171 53.3 41.4 62.0



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 0.910 ppbv

RT: 8.85 min Scan# 1840

Delta R.T. 0.01 min

Lab File: VL033991.D

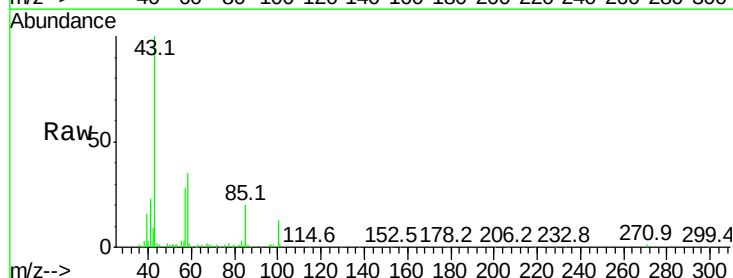
Acq: 2 Jul 2019 14:59

Tgt Ion: 43 Resp: 224835

Ion Ratio Lower Upper

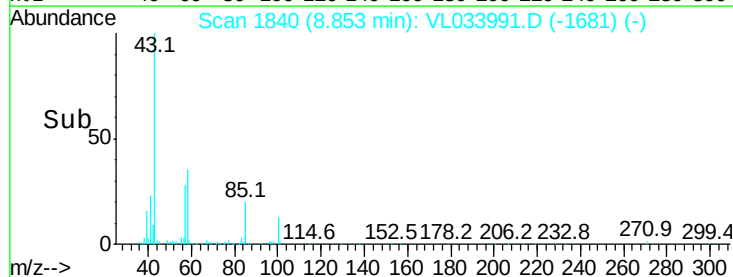
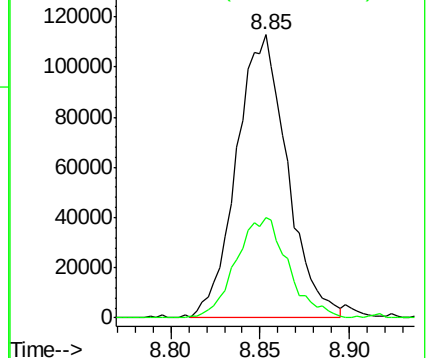
43 100

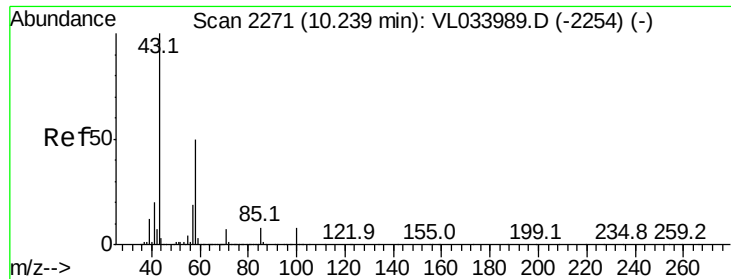
58 36.5 30.3 45.5



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 0.822 ppbv

RT: 10.25 min Scan# 2275

Delta R.T. 0.01 min

Lab File: VL033991.D

Acq: 2 Jul 2019 14:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

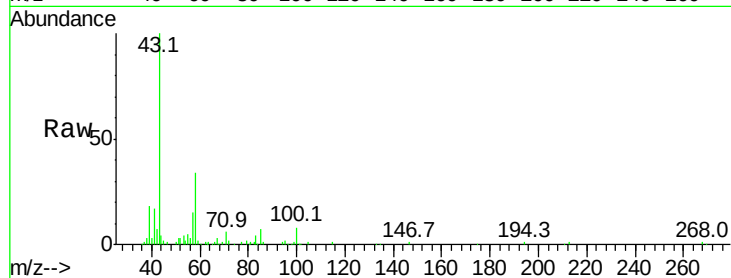
Tgt Ion: 43 Resp: 158657

Ion Ratio Lower Upper

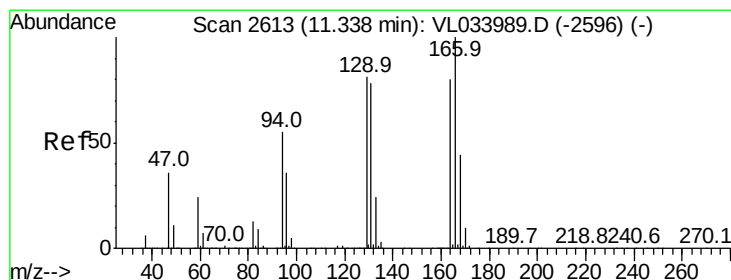
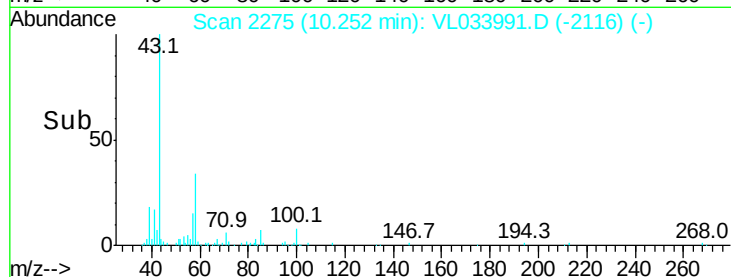
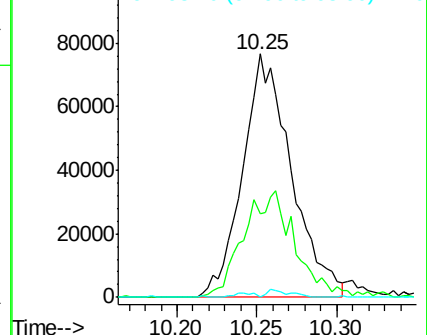
43 100

58 47.9 41.0 61.4

98 2.3 0.2 0.2#



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 1.228 ppbv

RT: 11.33 min Scan# 2611

Delta R.T. -0.01 min

Lab File: VL033991.D

Acq: 2 Jul 2019 14:59

Tgt Ion: 164 Resp: 96964

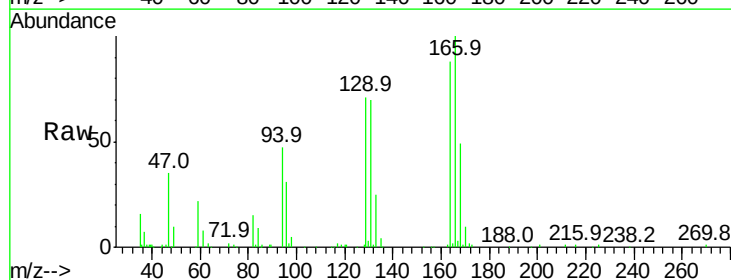
Ion Ratio Lower Upper

164 100

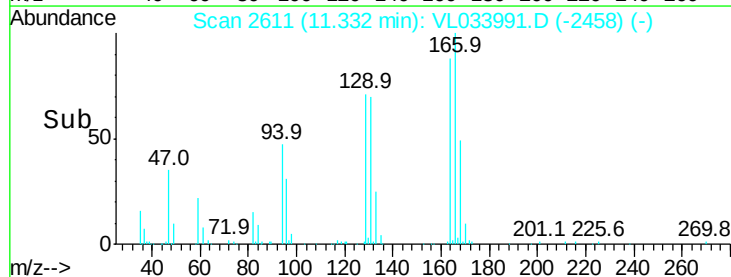
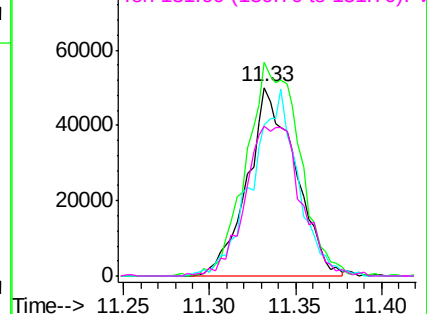
166 113.1 100.2 150.2

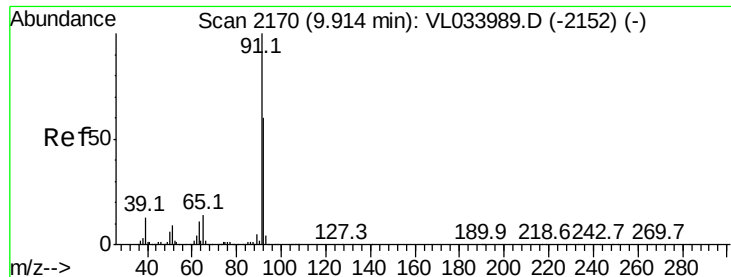
129 79.0 81.0 121.6#

131 78.9 78.3 117.5



Abundance Ion 163.90 (163.60 to 164.60): V
Ion 165.90 (165.60 to 166.60): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 0.967 ppbv

RT: 9.91 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VL033991.D

Acq: 2 Jul 2019 14:59

Instrument :

MSVOA_L

ClientSampleId :

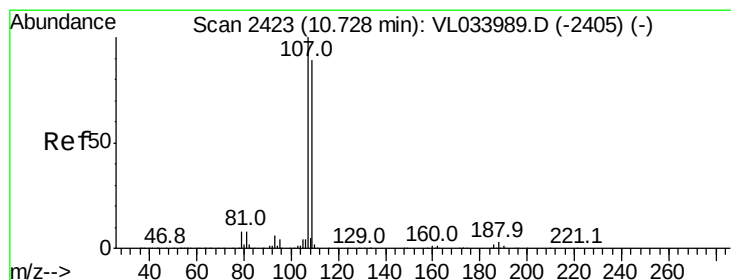
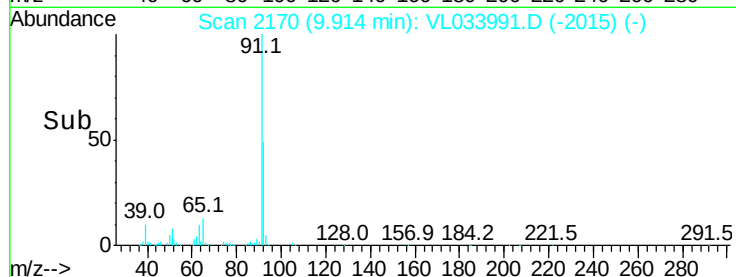
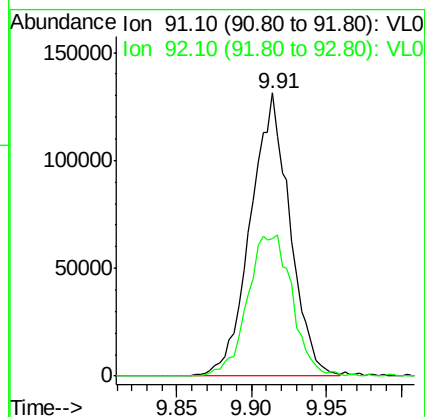
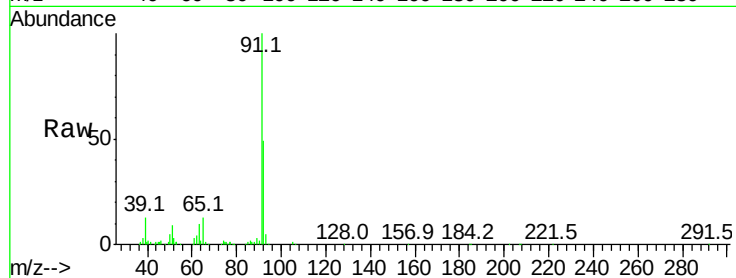
VSTDIC001

Tgt Ion: 91 Resp: 240141

Ion Ratio Lower Upper

91 100

92 56.7 47.7 71.5



#54

1,2-Dibromoethane

Concen: 0.999 ppbv

RT: 10.72 min Scan# 2422

Delta R.T. -0.00 min

Lab File: VL033991.D

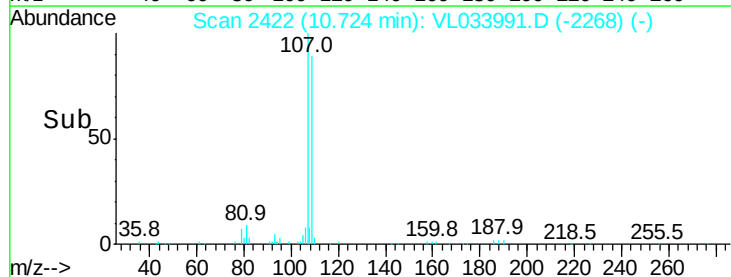
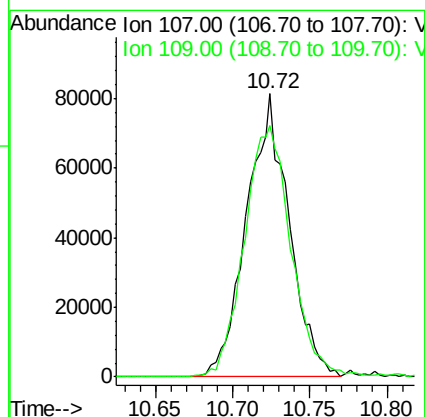
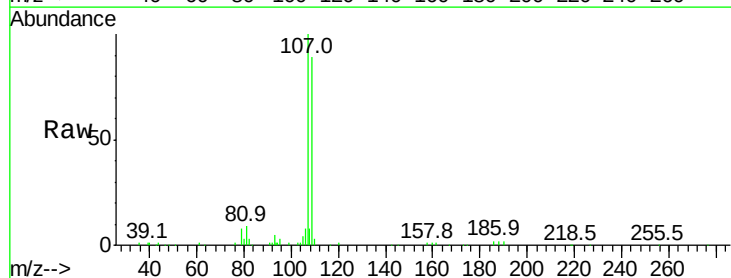
Acq: 2 Jul 2019 14:59

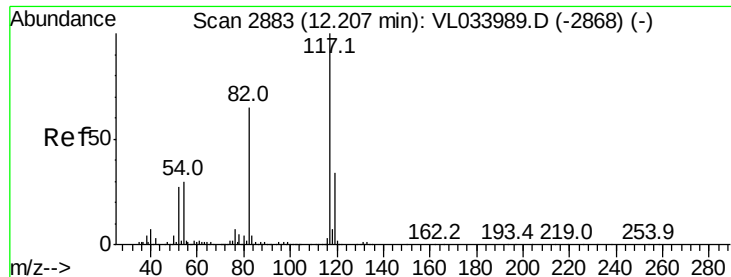
Tgt Ion: 107 Resp: 155484

Ion Ratio Lower Upper

107 100

109 88.8 71.5 107.3

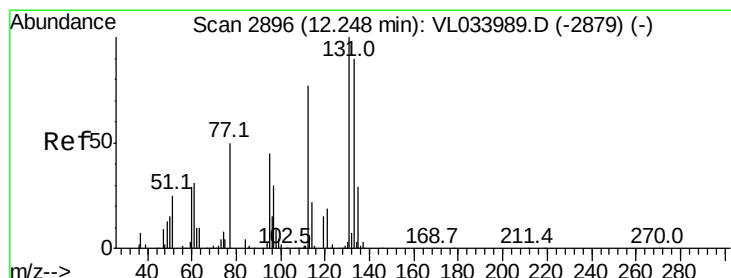
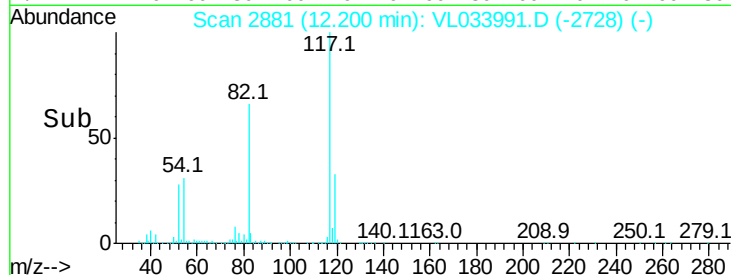
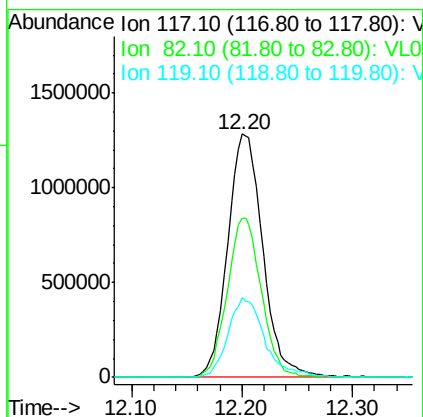
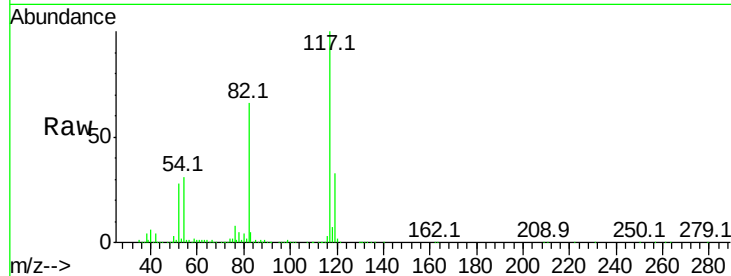




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.20 min Scan# 2881
Delta R.T. -0.01 min
Lab File: VL033991.D
Acq: 2 Jul 2019 14:59

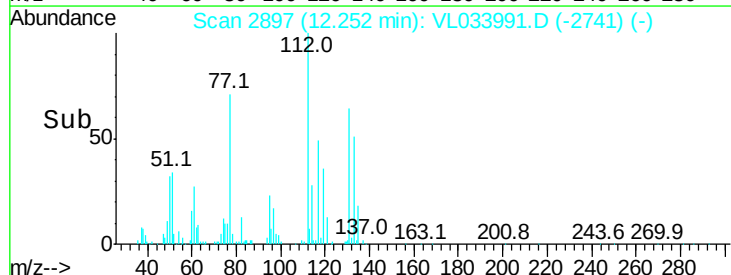
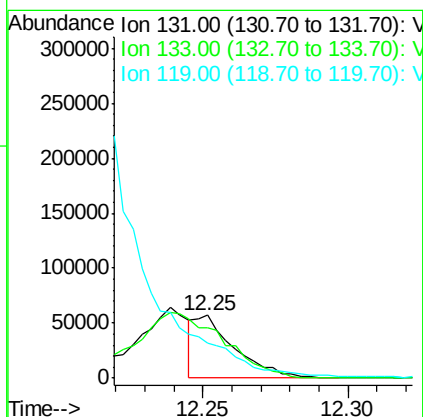
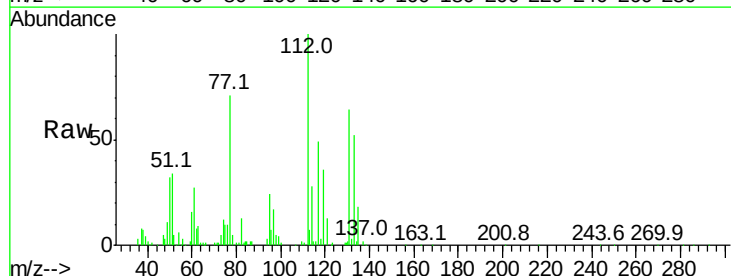
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

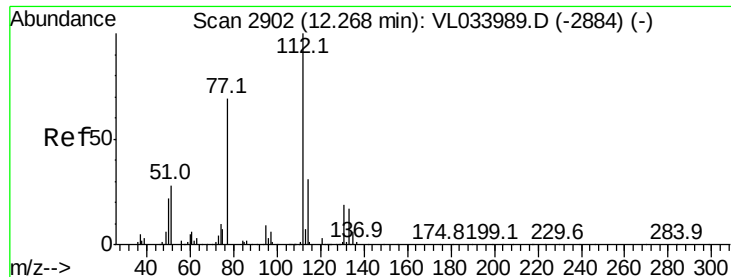
Tgt Ion:117 Resp: 2824557
Ion Ratio Lower Upper
117 100
82 64.0 50.8 76.2
119 34.5 24.0 36.0



#56
1,1,1,2-Tetrachloroethane
Concen: 0.438 ppbv
RT: 12.25 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VL033991.D
Acq: 2 Jul 2019 14:59

Tgt Ion:131 Resp: 53989
Ion Ratio Lower Upper
131 100
133 0.0 76.2 114.2#
119 0.0 43.1 64.7#





#57

Chlorobenzene

Concen: 1.132 ppbv

RT: 12.26 min Scan# 2899

Delta R.T. -0.01 min

Lab File: VL033991.D

Acq: 2 Jul 2019 14:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

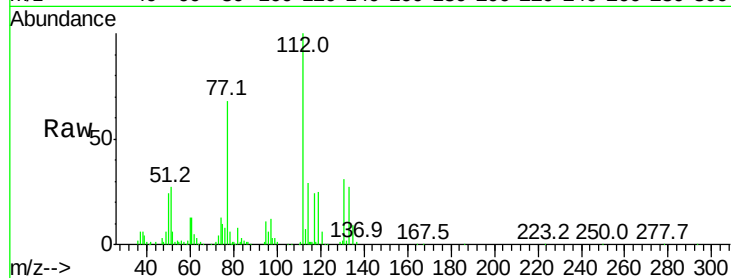
Tgt Ion: 112 Resp: 239528

Ion Ratio Lower Upper

112 100

77 64.2 55.9 83.9

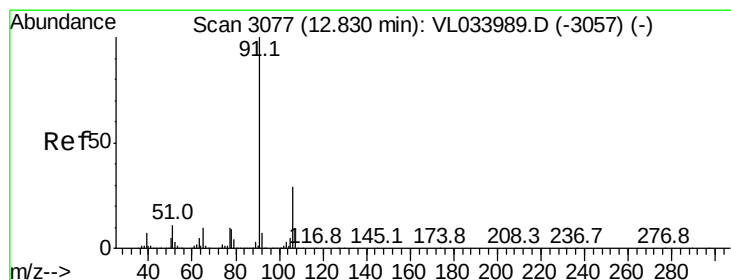
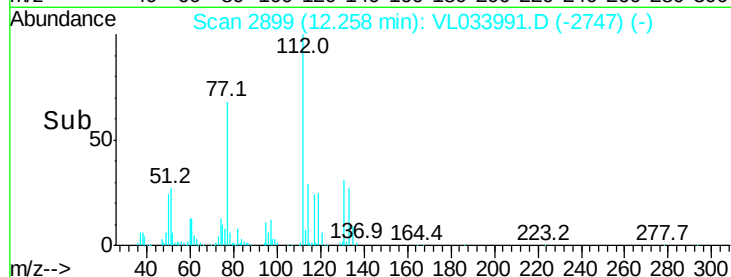
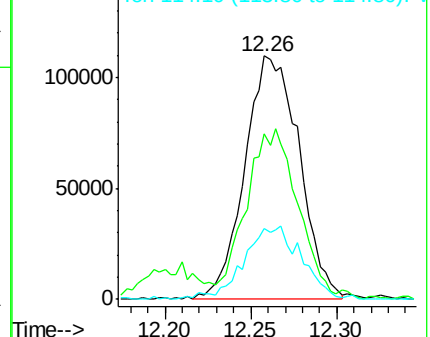
114 28.5 27.6 33.8



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 1.065 ppbv

RT: 12.83 min Scan# 3077

Delta R.T. -0.00 min

Lab File: VL033991.D

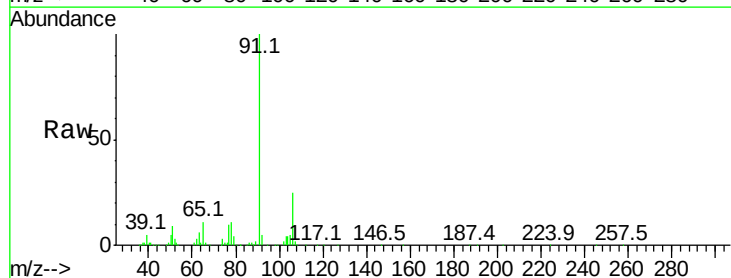
Acq: 2 Jul 2019 14:59

Tgt Ion: 91 Resp: 339182

Ion Ratio Lower Upper

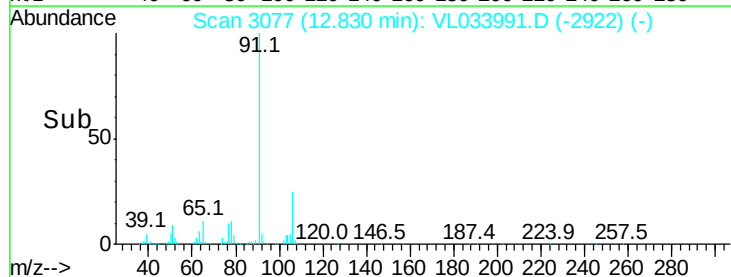
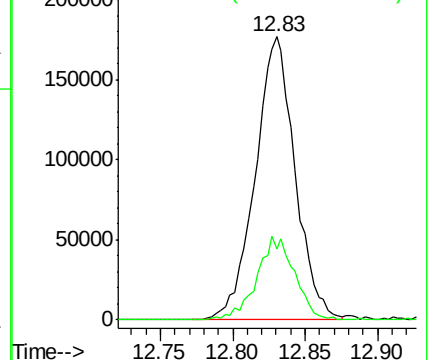
91 100

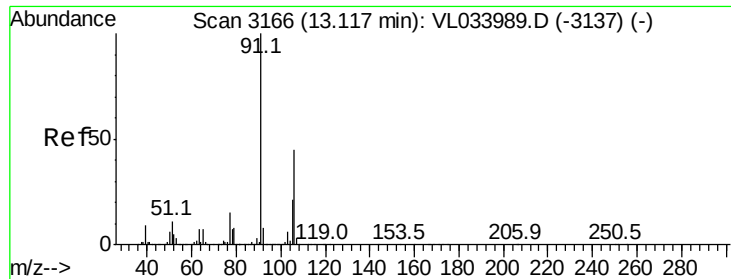
106 25.1 23.3 34.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

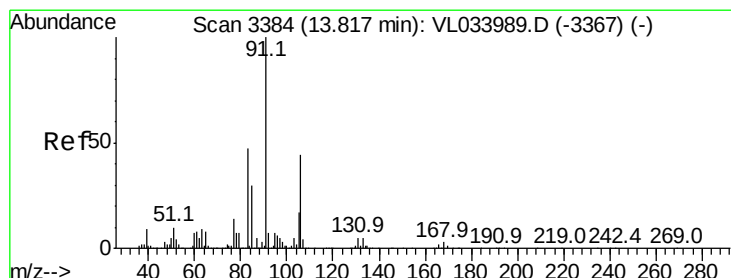
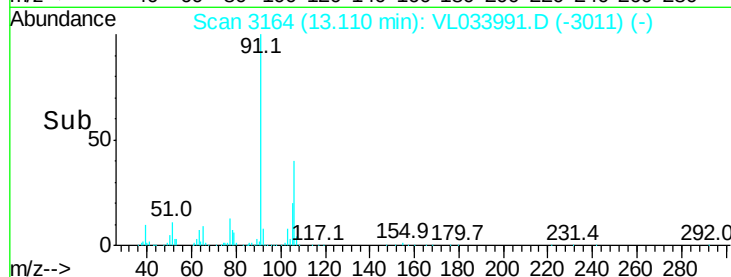
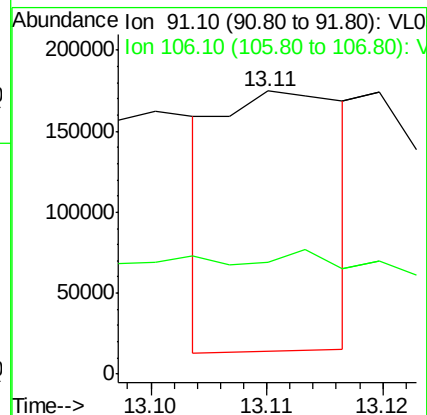
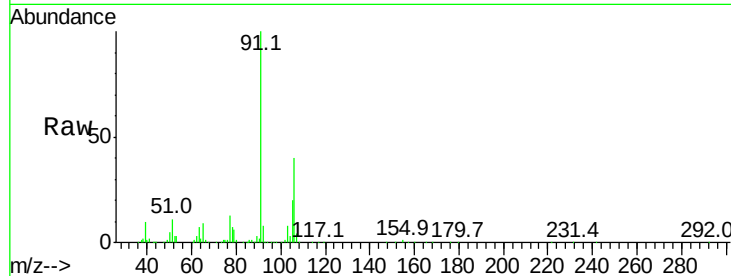




#59
m/p-Xylene
Concen: 0.412 ppbv
RT: 13.11 min Scan# 3164
Delta R.T. -0.01 min
Lab File: VL033991.D
Acq: 2 Jul 2019 14:59

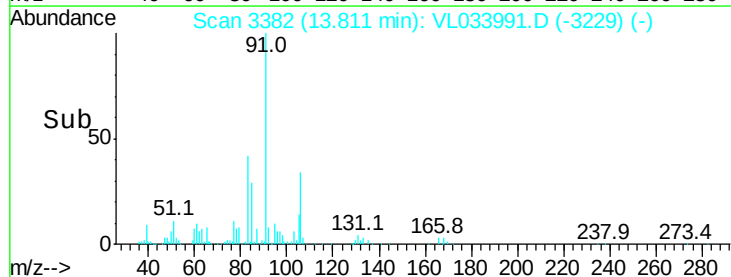
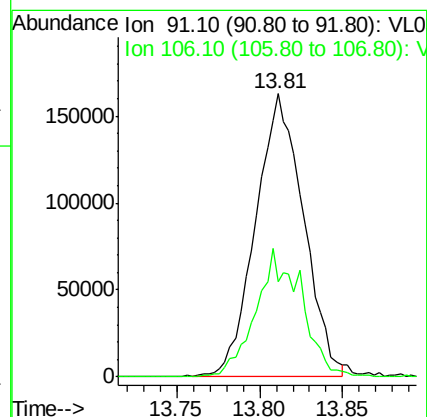
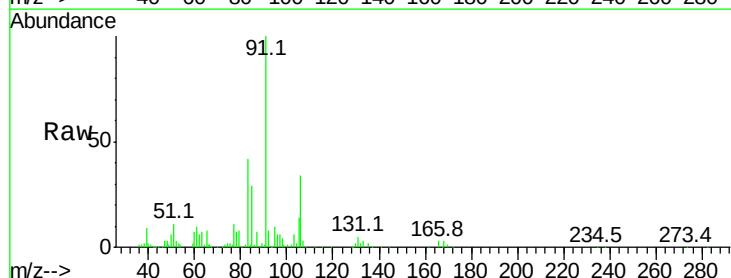
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

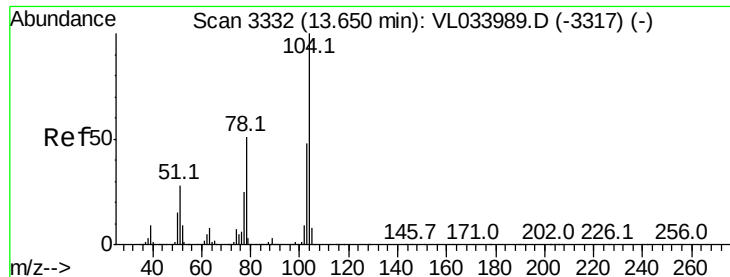
Tgt Ion: 91 Resp: 119232
Ion Ratio Lower Upper
91 100
106 227.2 35.7 53.5#



#60
o-Xylene
Concen: 1.091 ppbv
RT: 13.81 min Scan# 3382
Delta R.T. -0.01 min
Lab File: VL033991.D
Acq: 2 Jul 2019 14:59

Tgt Ion: 91 Resp: 326088
Ion Ratio Lower Upper
91 100
106 43.2 21.9 65.7





#61

Styrene

Concen: 0.416 ppbv

RT: 13.64 min Scan# 3330

Delta R.T. -0.01 min

Lab File: VL033991.D

Acq: 2 Jul 2019 14:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

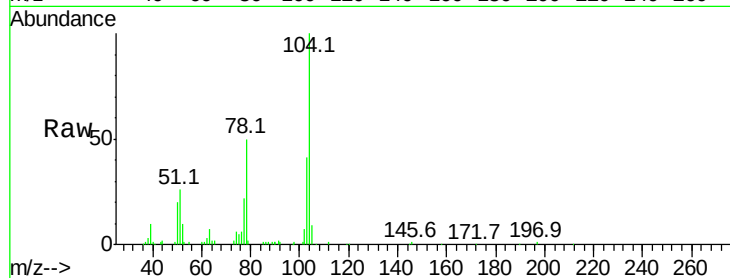
Tgt Ion:104 Resp: 80518

Ion Ratio Lower Upper

104 100

78 0.0 43.9 65.9#

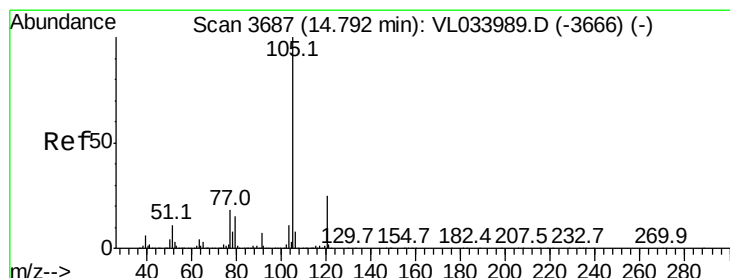
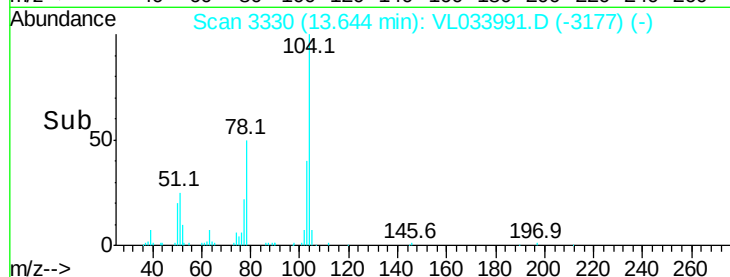
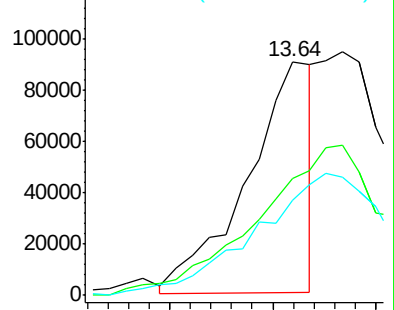
103 0.0 38.1 57.1#



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: 1.056 ppbv

RT: 14.79 min Scan# 3687

Delta R.T. -0.00 min

Lab File: VL033991.D

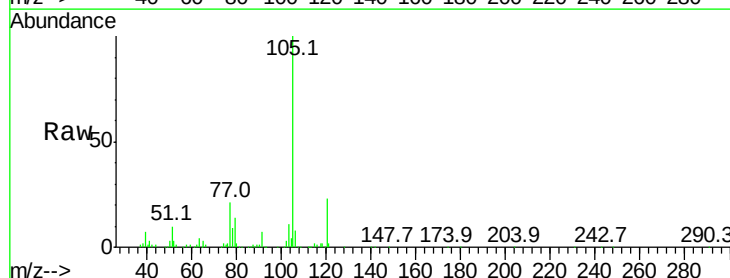
Acq: 2 Jul 2019 14:59

Tgt Ion:105 Resp: 425614

Ion Ratio Lower Upper

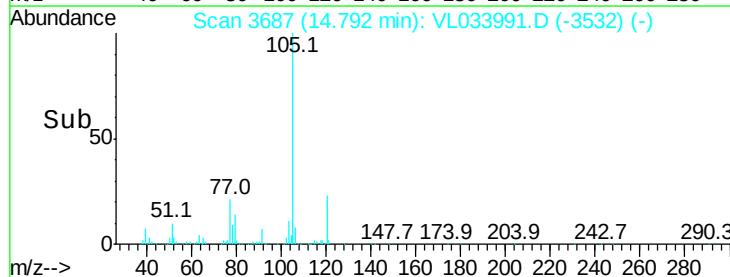
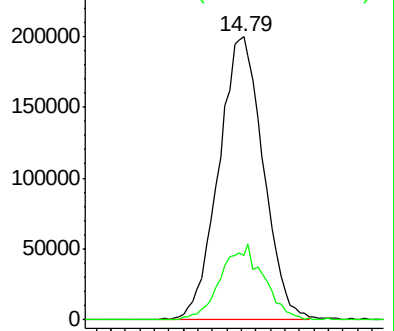
105 100

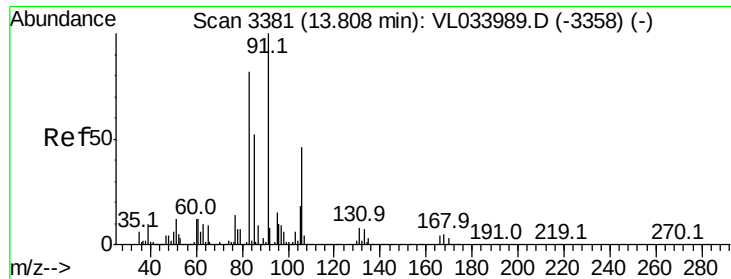
120 25.7 20.4 30.6



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: 1.098 ppbv

RT: 13.80 min Scan# 3379

Delta R.T. -0.01 min

Lab File: VL033991.D

Acq: 2 Jul 2019 14:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

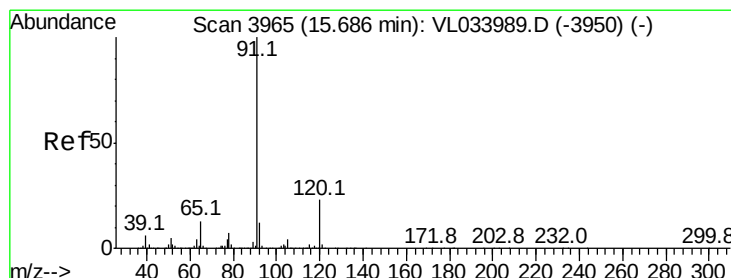
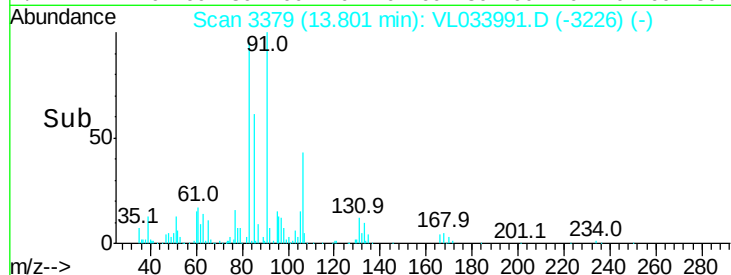
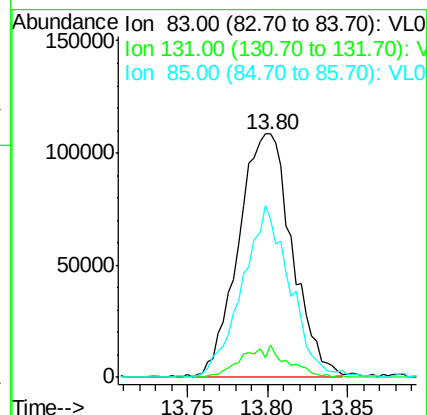
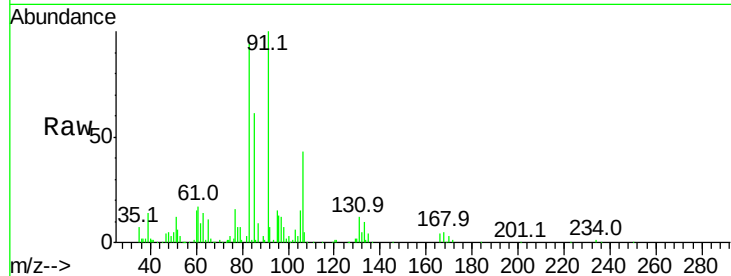
Tgt Ion: 83 Resp: 247100

Ion Ratio Lower Upper

83 100

131 11.3 5.0 14.9

85 64.3 32.8 98.3



#64

n-propylbenzene

Concen: 0.590 ppbv

RT: 15.69 min Scan# 3965

Delta R.T. -0.00 min

Lab File: VL033991.D

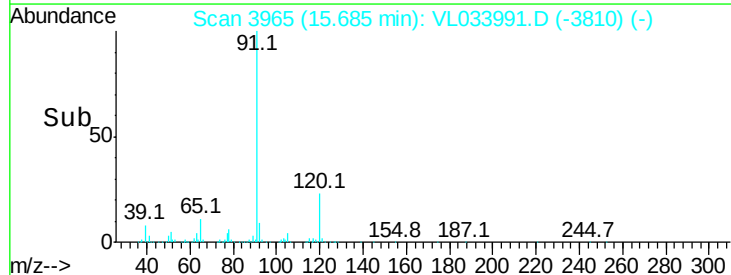
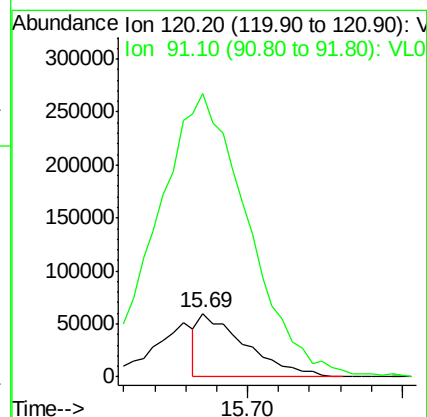
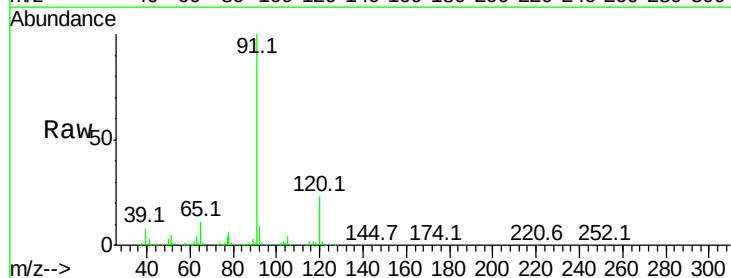
Acq: 2 Jul 2019 14:59

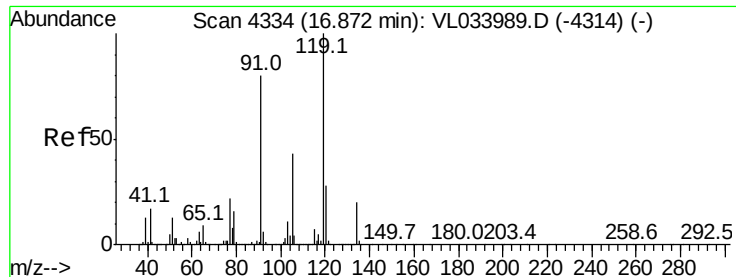
Tgt Ion: 120 Resp: 60878

Ion Ratio Lower Upper

120 100

91 913.7 386.6 579.8#





#65

tert-Butylbenzene

Concen: 1.047 ppbv

RT: 16.88 min Scan# 4335

Delta R.T. 0.00 min

Lab File: VL033991.D

Acq: 2 Jul 2019 14:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

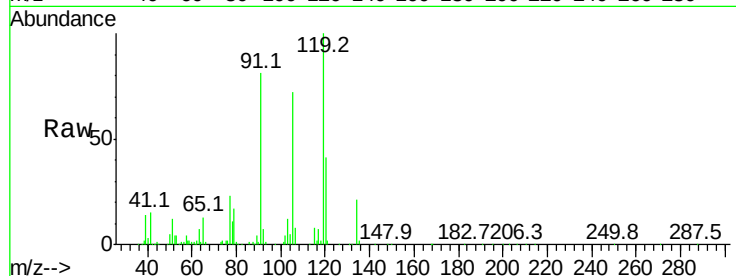
Tgt Ion: 119 Resp: 390502

Ion Ratio Lower Upper

119 100

91 88.2 67.0 100.6

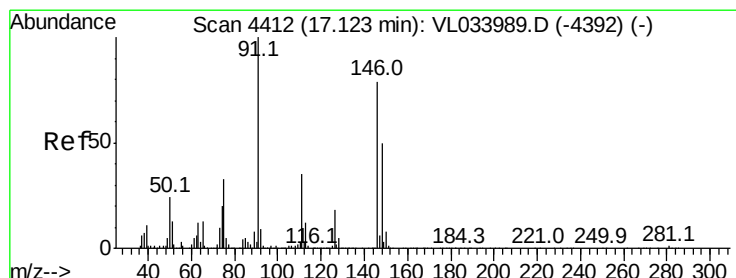
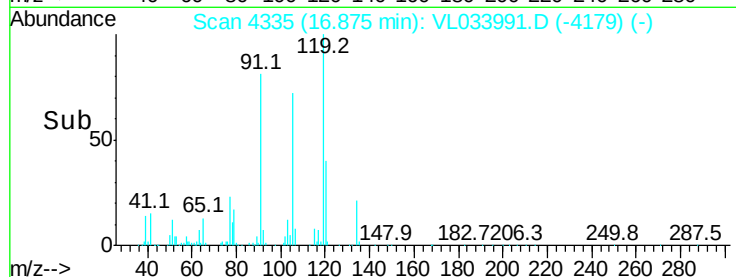
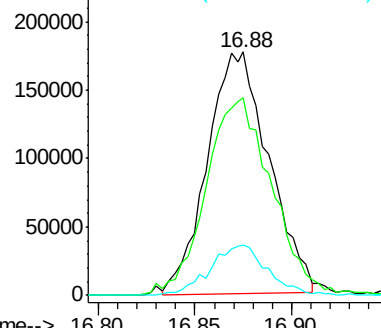
134 19.6 15.8 23.6



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 0.881 ppbv

RT: 17.12 min Scan# 4412

Delta R.T. -0.00 min

Lab File: VL033991.D

Acq: 2 Jul 2019 14:59

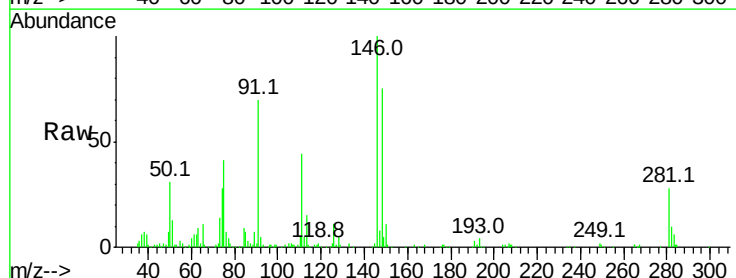
Tgt Ion: 91 Resp: 166404

Ion Ratio Lower Upper

91 100

126 19.4 13.9 20.9

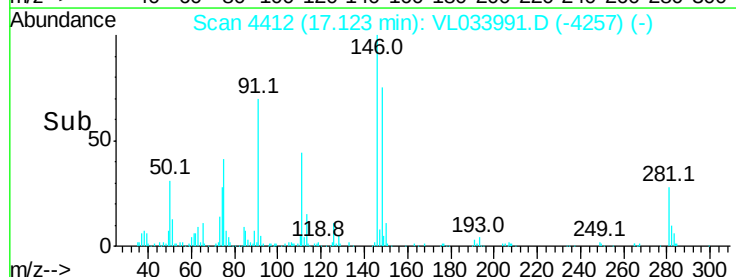
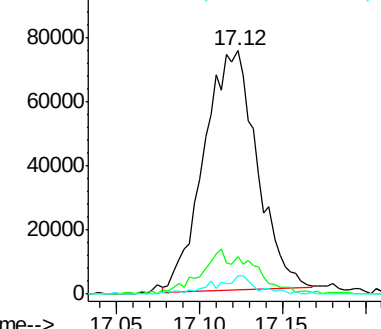
128 6.1 4.6 7.0

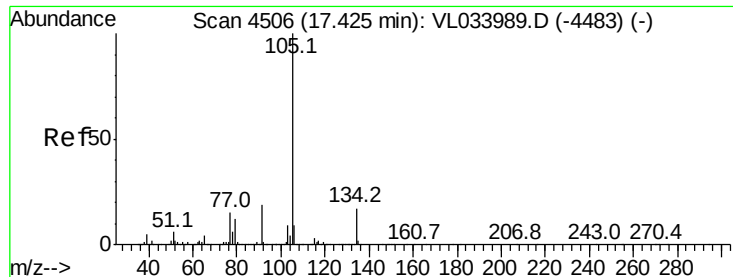


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 1.088 ppbv

RT: 17.42 min Scan# 4506

Delta R.T. -0.00 min

Lab File: VL033991.D

Acq: 2 Jul 2019 14:59

Instrument :

MSVOA_L

ClientSampleId :

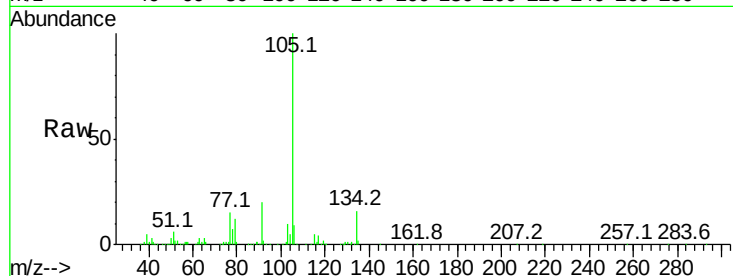
VSTDIC001

Tgt Ion:105 Resp: 568968

Ion Ratio Lower Upper

105 100

134 17.3 14.7 22.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

250000

200000

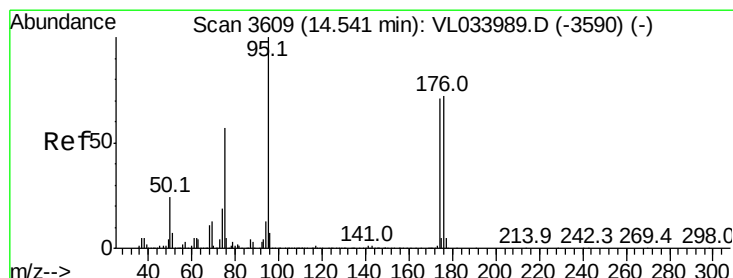
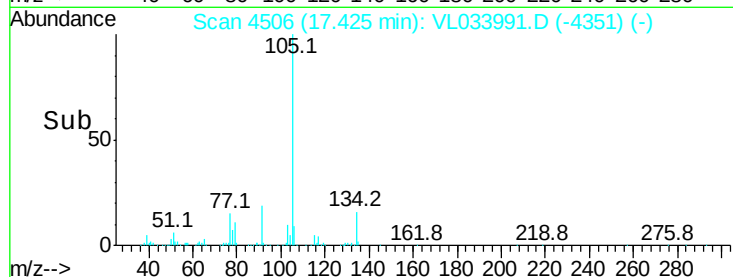
150000

100000

50000

0

Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 9.822 ppbv

RT: 14.54 min Scan# 3609

Delta R.T. -0.00 min

Lab File: VL033991.D

Acq: 2 Jul 2019 14:59

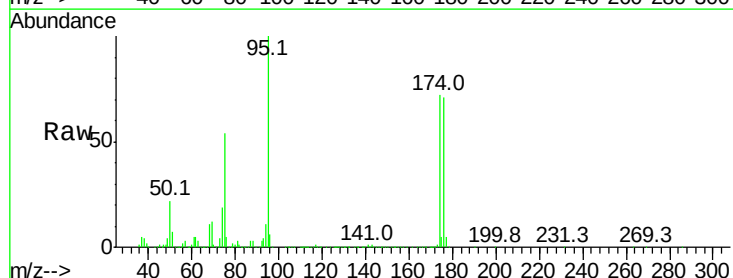
Tgt Ion: 95 Resp: 2278743

Ion Ratio Lower Upper

95 100

174 73.7 60.5 90.7

175 5.3 4.0 6.0



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

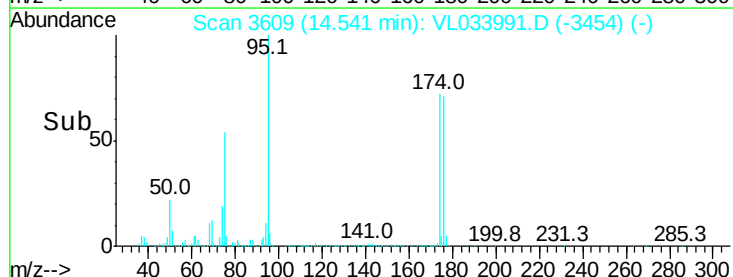
Ion 175.00 (174.70 to 175.70): V

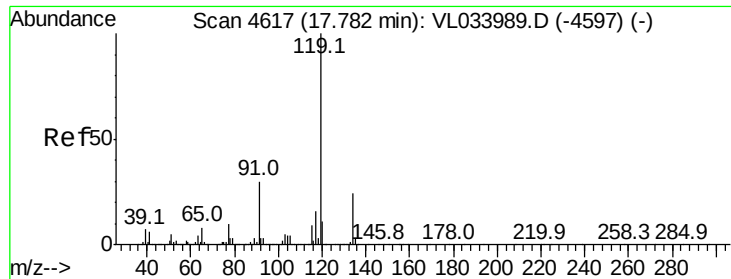
1000000

500000

0

Time-->

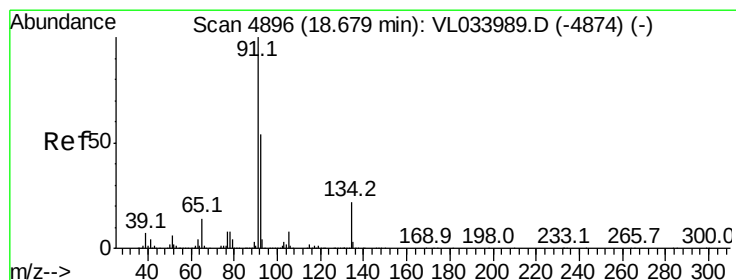
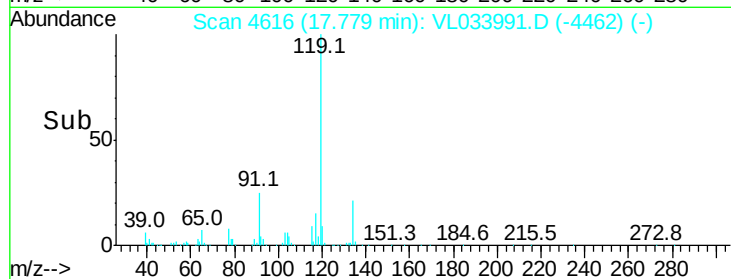
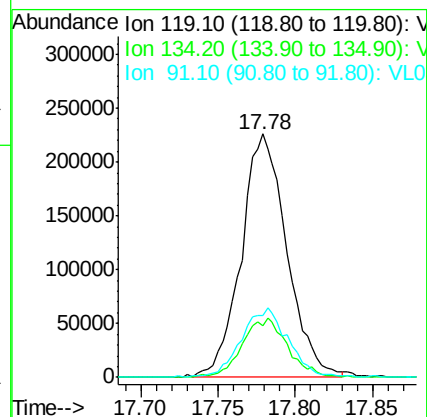
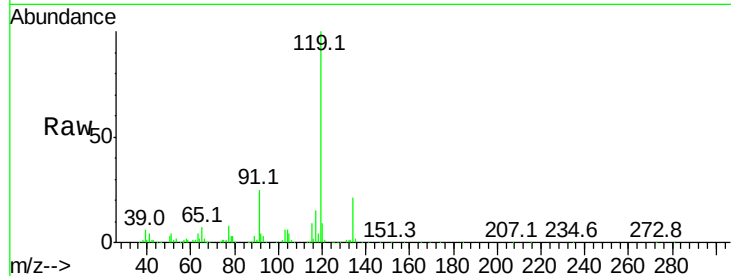




#69
 p-Isopropyltoluene
 Concen: 1.051 ppbv
 RT: 17.78 min Scan# 4616
 Delta R.T. -0.00 min
 Lab File: VL033991.D
 Acq: 2 Jul 2019 14:59

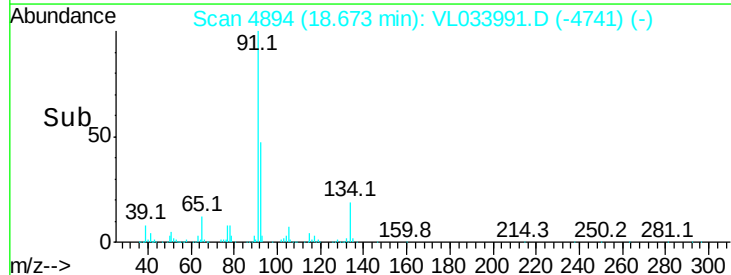
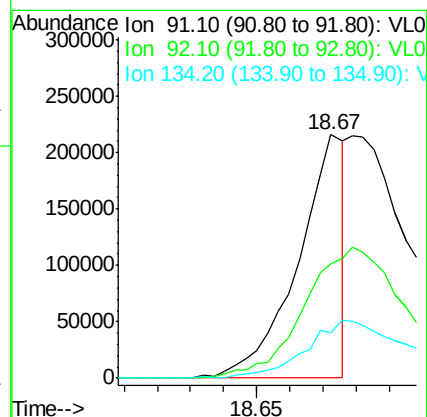
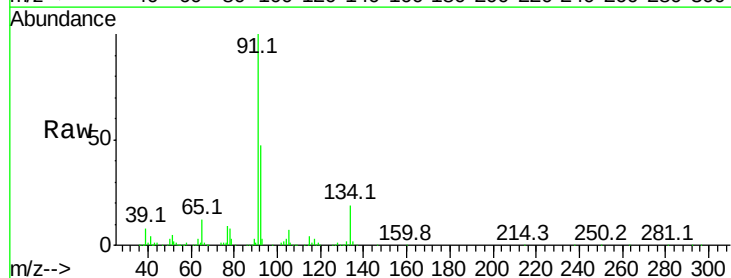
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

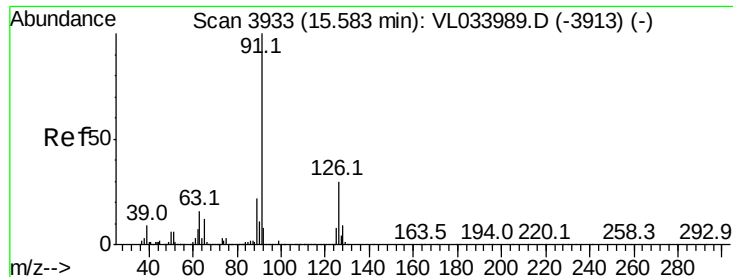
Tgt Ion	Ratio	Lower	Upper
119	100		
134	24.6	20.1	30.1
91	29.7	23.6	35.4



#70
 n-Butylbenzene
 Concen: 0.438 ppbv
 RT: 18.67 min Scan# 4894
 Delta R.T. -0.01 min
 Lab File: VL033991.D
 Acq: 2 Jul 2019 14:59

Tgt Ion	Ratio	Lower	Upper
91	100		
92	0.0	42.0	63.0#
134	0.0	17.9	26.9#

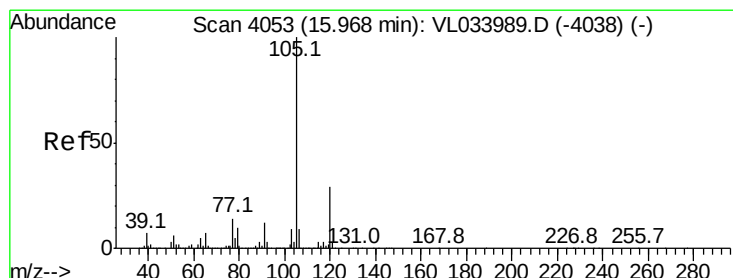
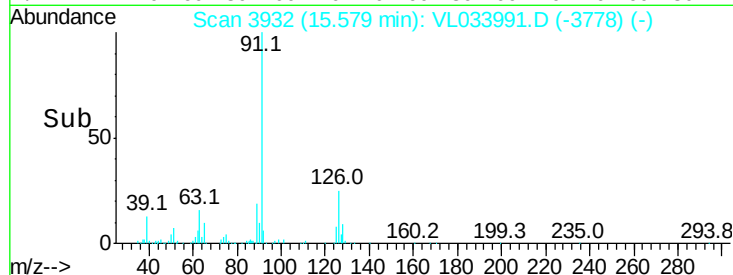
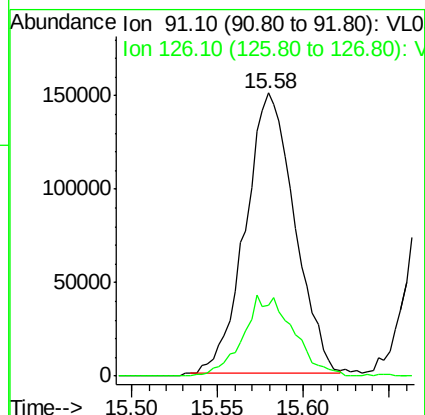
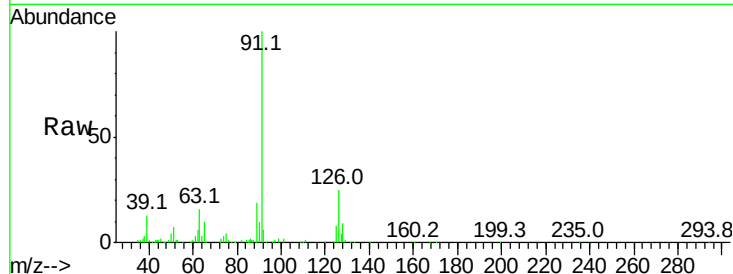




#71
2-Chlorotoluene
Concen: 1.004 ppbv
RT: 15.58 min Scan# 3932
Delta R.T. -0.00 min
Lab File: VL033991.D
Acq: 2 Jul 2019 14:59

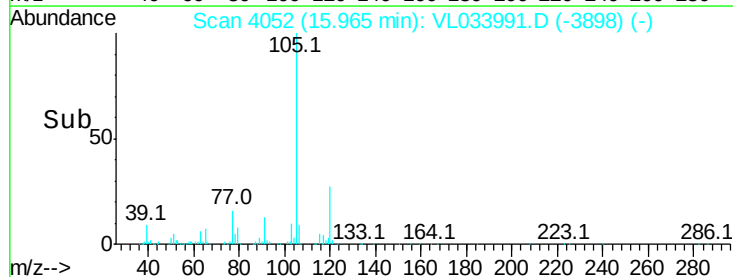
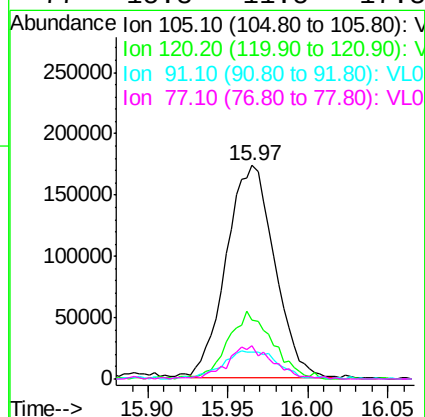
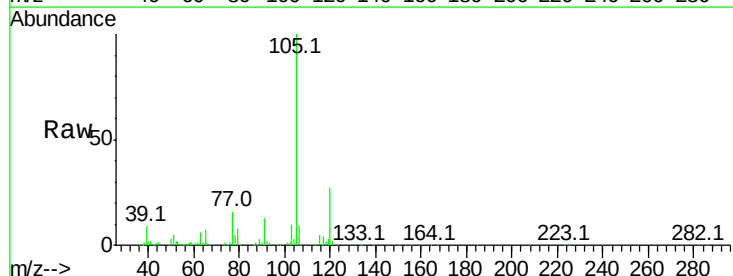
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

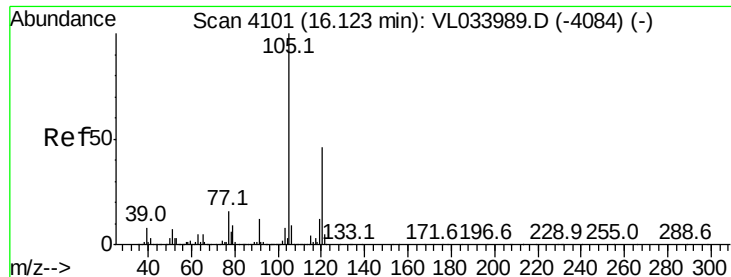
Tgt Ion: 91 Resp: 298091
Ion Ratio Lower Upper
91 100
126 29.4 12.3 49.3



#72
4-Ethyltoluene
Concen: 1.045 ppbv
RT: 15.97 min Scan# 4052
Delta R.T. -0.00 min
Lab File: VL033991.D
Acq: 2 Jul 2019 14:59

Tgt Ion: 105 Resp: 355656
Ion Ratio Lower Upper
105 100
120 29.4 24.1 36.1
91 15.8 10.6 16.0
77 15.3 11.5 17.3

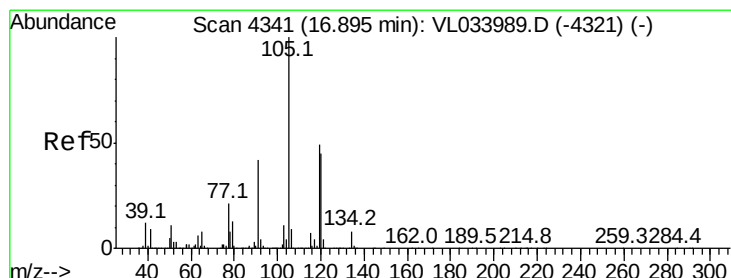
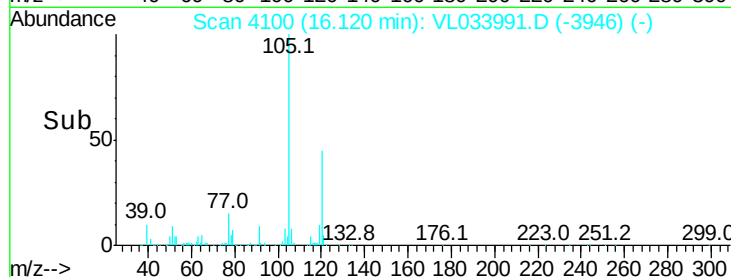
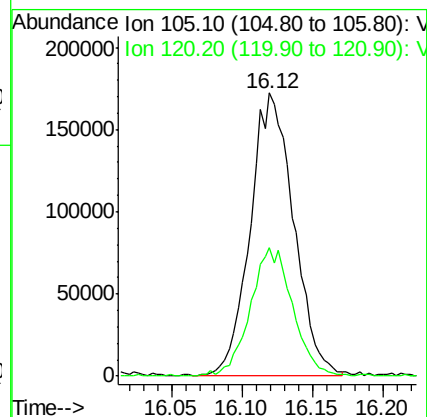
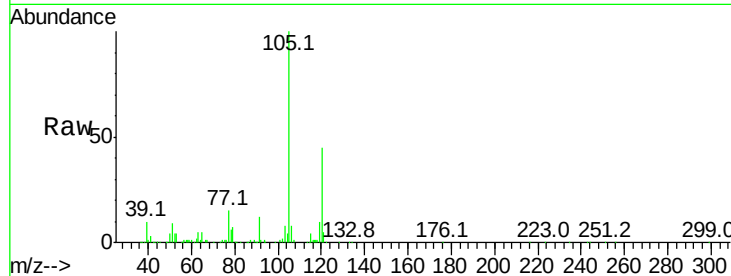




#73
 1,3,5-Trimethylbenzene
 Concen: 1.101 ppbv
 RT: 16.12 min Scan# 4100
 Delta R.T. -0.00 min
 Lab File: VL033991.D
 Acq: 2 Jul 2019 14:59

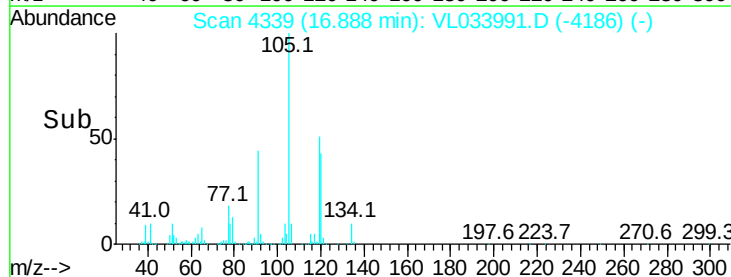
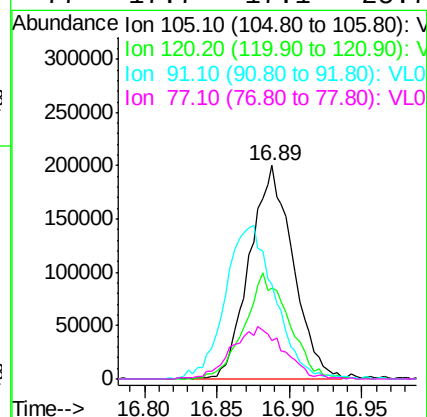
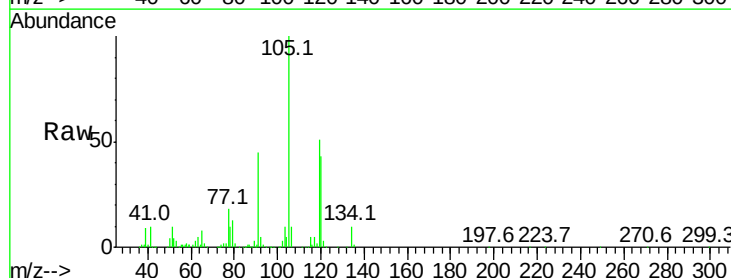
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

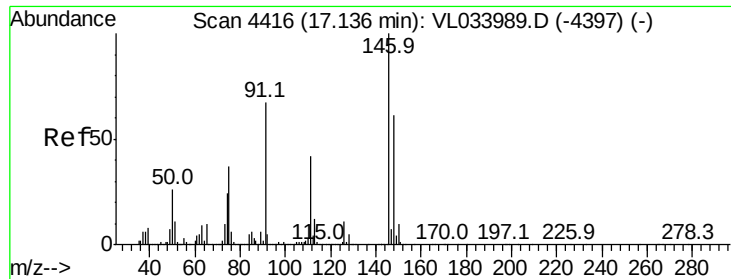
Tgt Ion:105 Resp: 369010
 Ion Ratio Lower Upper
 105 100
 120 45.5 36.4 54.6



#74
 1,2,4-Trimethylbenzene
 Concen: 1.076 ppbv
 RT: 16.89 min Scan# 4339
 Delta R.T. -0.01 min
 Lab File: VL033991.D
 Acq: 2 Jul 2019 14:59

Tgt Ion:105 Resp: 415655
 Ion Ratio Lower Upper
 105 100
 120 42.8 36.2 54.2
 91 43.6 34.3 51.5
 77 17.7 17.1 25.7

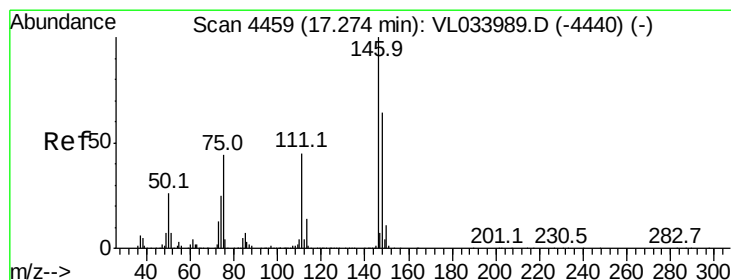
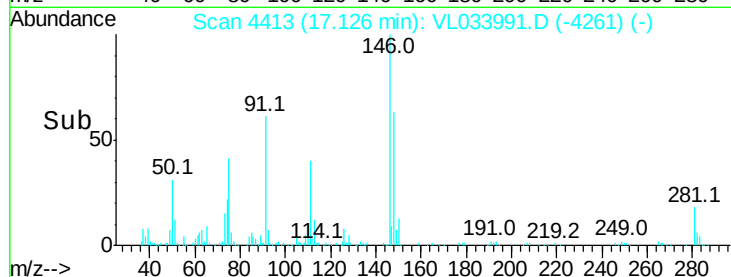
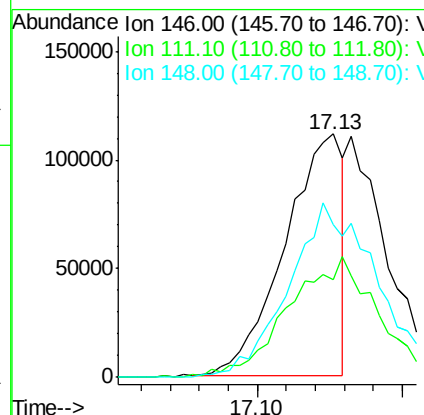
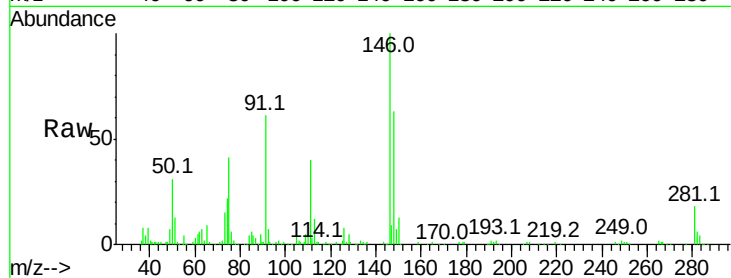




#75
 1,3-Dichlorobenzene
 Concen: 0.635 ppbv
 RT: 17.13 min Scan# 4413
 Delta R.T. -0.01 min
 Lab File: VL033991.D
 Acq: 2 Jul 2019 14:59

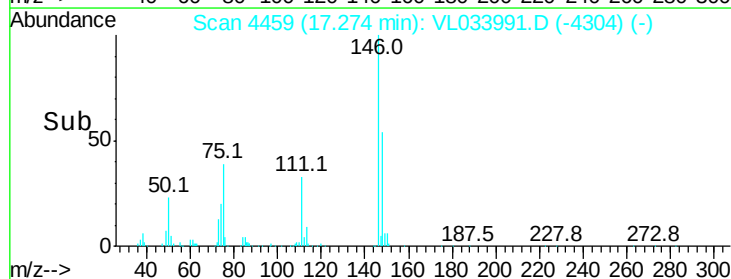
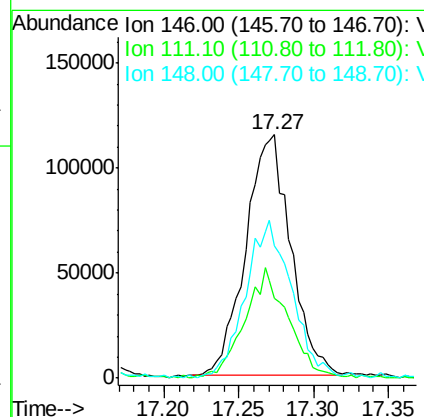
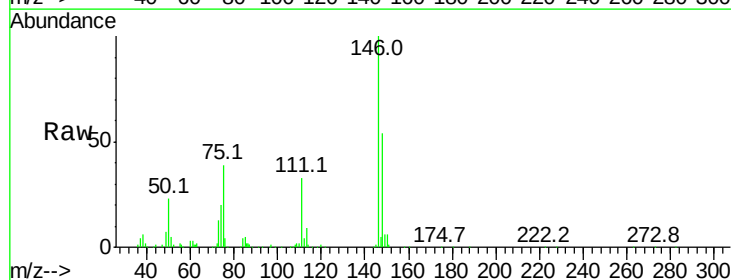
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

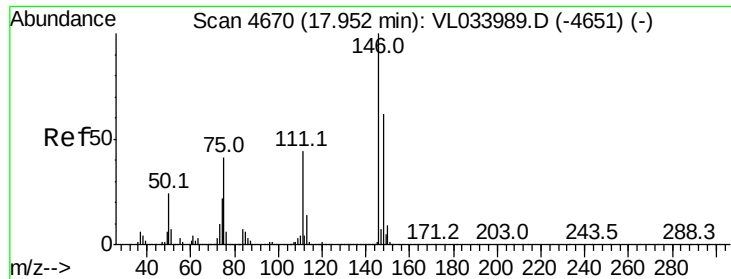
Tgt Ion:146 Resp: 153605
 Ion Ratio Lower Upper
 146 100
 111 0.0 22.3 66.9#
 148 111.2 32.0 96.2#



#76
 1,4-Dichlorobenzene
 Concen: 1.085 ppbv
 RT: 17.27 min Scan# 4459
 Delta R.T. -0.00 min
 Lab File: VL033991.D
 Acq: 2 Jul 2019 14:59

Tgt Ion:146 Resp: 241074
 Ion Ratio Lower Upper
 146 100
 111 44.6 21.9 65.5
 148 68.4 32.5 97.5





#77

1,2-Dichlorobenzene

Concen: 0.595 ppbv

RT: 17.95 min Scan# 4669

Delta R.T. -0.00 min

Lab File: VL033991.D

Acq: 2 Jul 2019 14:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

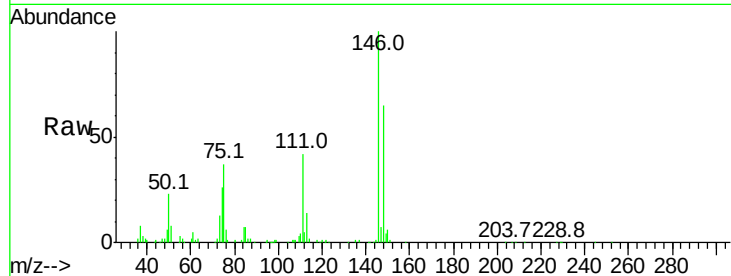
Tgt Ion:146 Resp: 132877

Ion Ratio Lower Upper

146 100

111 0.0 22.7 68.1#

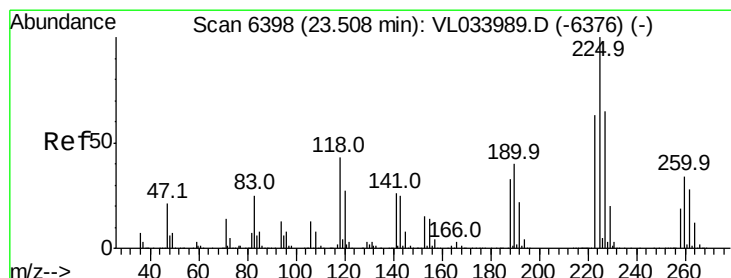
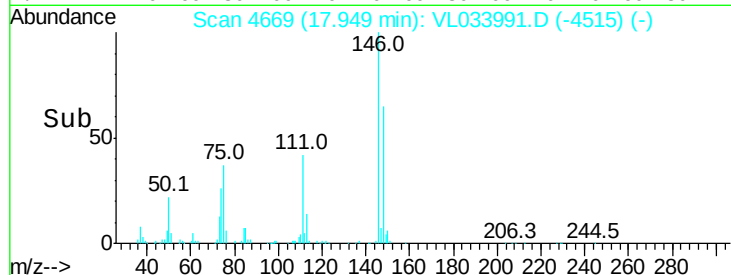
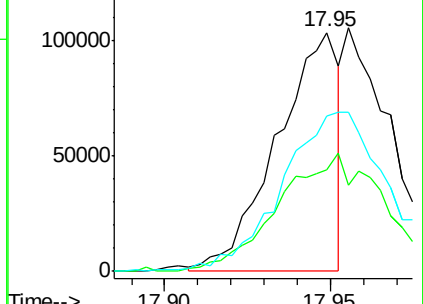
148 0.0 32.1 96.3#



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: 0.682 ppbv

RT: 23.51 min Scan# 6397

Delta R.T. -0.00 min

Lab File: VL033991.D

Acq: 2 Jul 2019 14:59

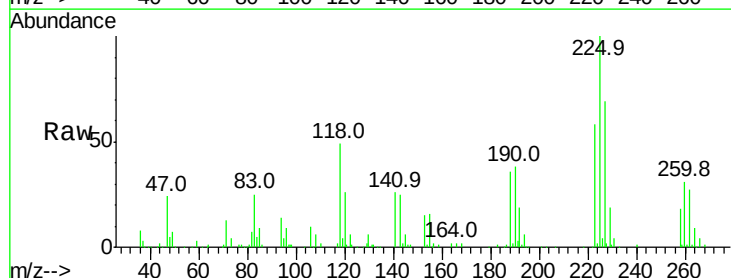
Tgt Ion:225 Resp: 118991

Ion Ratio Lower Upper

225 100

223 0.0 51.5 77.3#

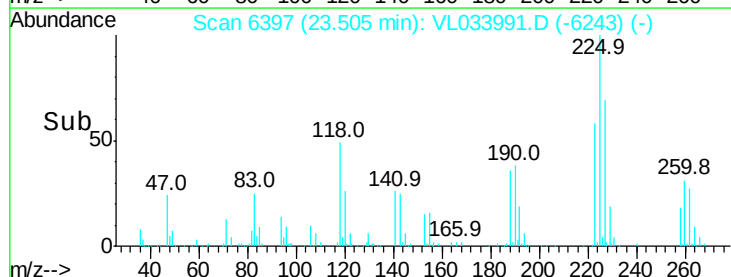
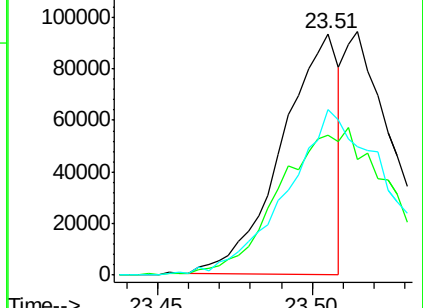
227 119.8 52.1 78.1#

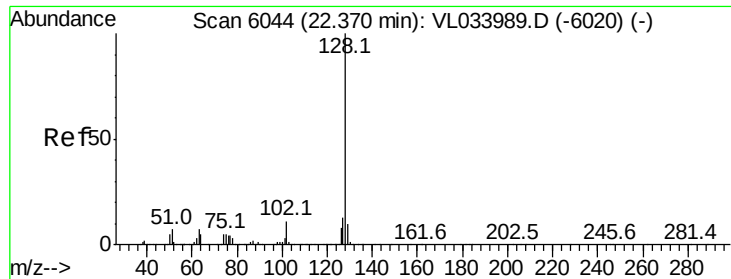


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 1.033 ppbv

RT: 22.37 min Scan# 6045

Delta R.T. 0.00 min

Lab File: VL033991.D

Acq: 2 Jul 2019 14:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

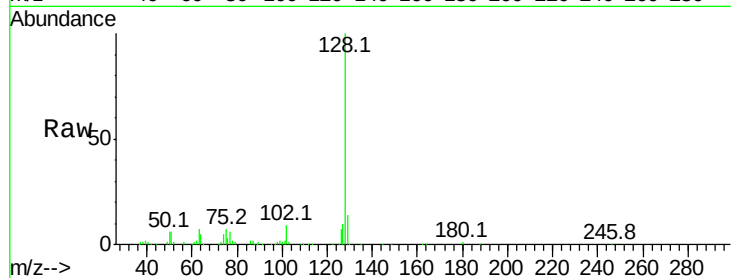
Tgt Ion:128 Resp: 318838

Ion Ratio Lower Upper

128 100

127 9.8 10.6 15.8#

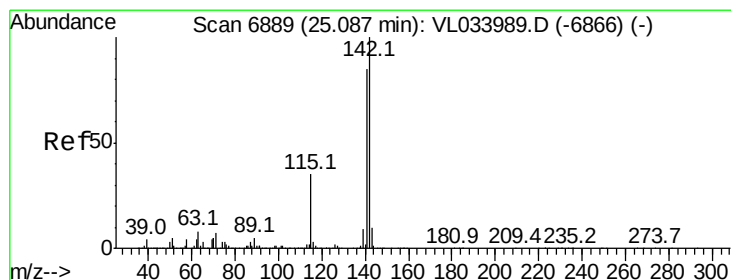
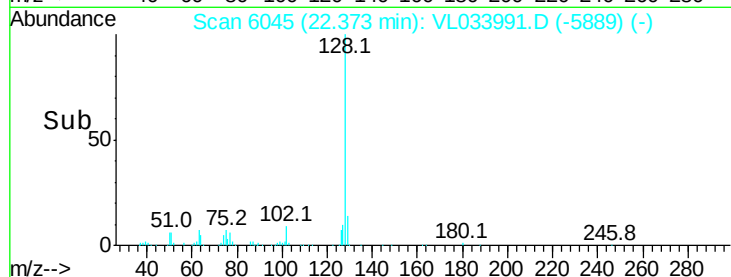
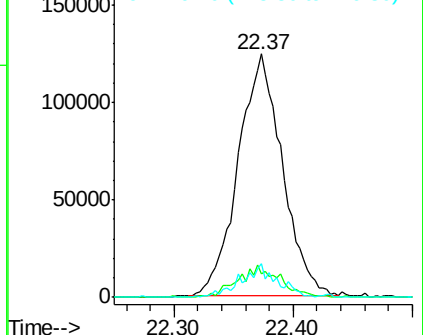
129 14.1 8.3 12.5#



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: 0.766 ppbv

RT: 25.08 min Scan# 6888

Delta R.T. -0.00 min

Lab File: VL033991.D

Acq: 2 Jul 2019 14:59

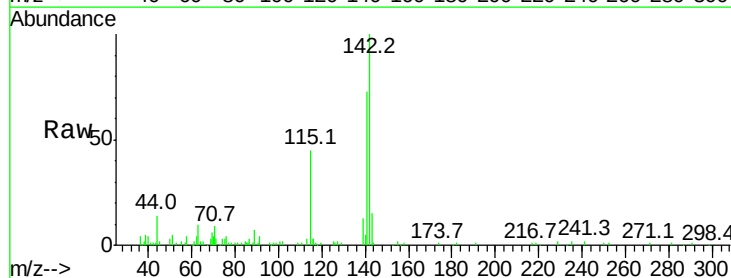
Tgt Ion:142 Resp: 94414

Ion Ratio Lower Upper

142 100

141 86.4 68.2 102.2

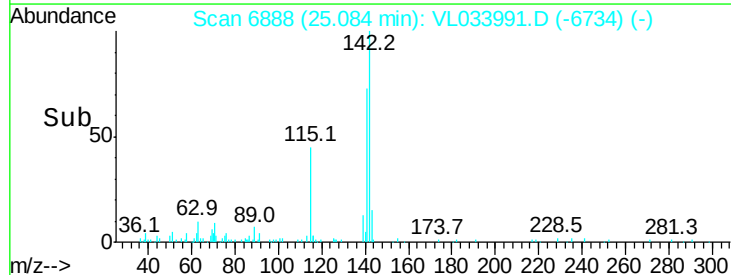
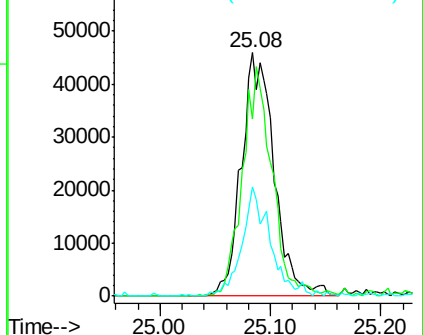
115 39.6 29.9 44.9

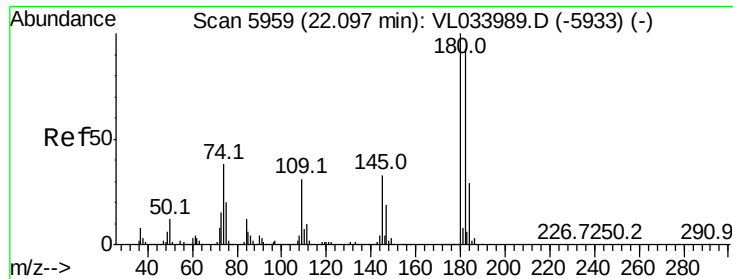


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81

1,2,4-Trichlorobenzene

Concen: 0.473 ppbv

RT: 22.09 min Scan# 5956

Delta R.T. -0.01 min

Lab File: VL033991.D

Acq: 2 Jul 2019 14:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion:180 Resp: 92184

Ion Ratio Lower Upper

180 100

182 0.0 76.6 114.8#

184 70.2 24.6 36.8#

