

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL051719\
 Data File : VL033703.D
 Acq On : 17 May 2019 3:56
 Operator : SY/AP
 Sample : VSTDIC0.5
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Quant Time: May 17 07:11:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri May 17 07:07:57 2019
 QLast Update : Fri May 17 07:07:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	1108721	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2637681	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.23	117	2542103	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	2109749	10.12	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.08	85	122501	0.483	ppbv	99
3) Chlorodifluoromethane	3.01	51	73501	0.462	ppbv	95
4) Chloromethane	3.17	50	36391	0.440	ppbv	93
5) Vinyl Chloride	3.29	62	36195	0.449	ppbv	94
6) Bromomethane	3.52	94	22315	0.435	ppbv	84
7) Chloroethane	3.60	64	13404	0.457	ppbv	99
8) Dichlorotetrafluoroethane	3.22	85	97931	0.461	ppbv	98
9) Propene	3.03	41	25666	0.421	ppbv	100
10) Heptane	8.25	43	66574	0.441	ppbv	100
11) Trichlorofluoromethane	4.00	101	112491	0.461	ppbv	95
12) 1,1,2-Trichlorotrifluoroet	4.55	101	80764	0.491	ppbv	99
13) Ethanol	3.65	45	4218	0.227	ppbv #	3
14) Bromoethene	3.79	108	27336	0.430	ppbv	98
15) Acetone	3.91	43	82656	0.498	ppbv	97
16) 1,3-Butadiene	3.36	39	28512	0.409	ppbv	96
17) tert-Butyl alcohol	4.38	59	61647	0.483	ppbv	97
18) 1,1-Dichloroethene	4.35	96	31275	0.441	ppbv	93
19) Isopropyl Alcohol	4.04	45	51349	0.495	ppbv #	92
20) Methylene Chloride	4.41	84	31253	0.498	ppbv	93
21) Allyl Chloride	4.48	41	46285	0.459	ppbv	98
22) trans-1,2-Dichloroethene	4.96	96	33419	0.476	ppbv	99
23) Vinyl Acetate	5.16	43	92916	0.434	ppbv #	95
24) 1,1-Dichloroethane	5.09	63	80851	0.500	ppbv	98
25) Ethyl Acetate	5.77	43	136317	0.504	ppbv	99
26) Hexane	5.78	57	54489	0.469	ppbv	85
27) Carbon Disulfide	4.62	76	74801	0.469	ppbv	95
28) Methyl tert-Butyl Ether	5.12	73	87010	0.448	ppbv	98
29) Chloroform	5.84	83	109725	0.526	ppbv	97
30) Cyclohexane	7.25	84	23729	0.244	ppbv #	36
31) cis-1,2-Dichloroethene	5.64	61	55508	0.486	ppbv	100
32) 1,1,1-Trichloroethane	6.62	97	102686	0.478	ppbv	97
34) 2-Butanone	5.34	43	83358	0.493	ppbv	98
35) Carbon Tetrachloride	7.13	117	110047	0.507	ppbv	93
36) Benzene	7.00	78	113904	0.478	ppbv #	93
37) 1,2-Dichloroethane	6.41	62	78165	0.470	ppbv	97
38) Trichloroethene	7.96	130	44166	0.508	ppbv	92
39) 1,2-Dichloropropane	7.73	63	42734	0.481	ppbv	89
41) Tetrahydrofuran	6.17	42	35686	0.403	ppbv	97
42) Bromodichloromethane	7.91	83	100886	0.472	ppbv	93
43) Methyl Methacrylate	8.14	69	35717	0.399	ppbv	92
44) 2,2,4-Trimethylpentane	7.99	57	184880	0.454	ppbv	95

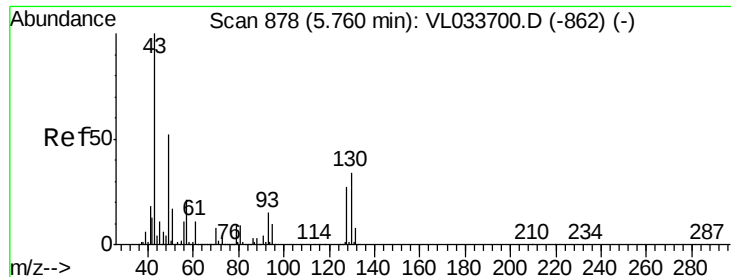
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL051719\
 Data File : VL033703.D
 Acq On : 17 May 2019 3:56
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Instrument :
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Quant Time: May 17 07:11:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri May 17 07:07:57 2019
 QLast Update : Fri May 17 07:07:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) t-1,3-Dichloropropene	9.41	75	40662	0.368	ppbv	96
46) cis-1,3-Dichloropropene	8.83	75	49000	0.357	ppbv #	87
47) 1,1,2-Trichloroethane	9.61	97	25365	0.249	ppbv	95
48) Dibromochloromethane	10.45	129	76845	0.443	ppbv	99
49) Bromoform	13.19	173	60059	0.405	ppbv	97
50) 4-Methyl-2-Pentanone	8.88	43	103127	0.402	ppbv	98
51) 2-Hexanone	10.29	43	37310	0.187	ppbv #	44
52) Tetrachloroethene	11.37	164	41072	0.486	ppbv	91
53) Toluene	9.94	91	99005	0.383	ppbv	99
54) 1,2-Dibromoethane	10.76	107	68575	0.445	ppbv	88
56) 1,1,1,2-Tetrachloroethane	12.28	131	60806	0.514	ppbv #	1
57) Chlorobenzene	12.30	112	108970	0.517	ppbv #	89
58) Ethyl Benzene	12.86	91	139518	0.417	ppbv	94
59) m/p-Xylene	13.15	91	128939	0.437	ppbv #	31
60) o-Xylene	13.85	91	135045	0.454	ppbv	97
61) Styrene	13.68	104	70552	0.355	ppbv	92
62) Isopropylbenzene	14.82	105	183613	0.451	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.83	83	113028	0.523	ppbv	99
64) n-propylbenzene	15.72	120	44635	0.425	ppbv	85
65) tert-Butylbenzene	16.90	119	156318	0.419	ppbv	92
66) Benzyl Chloride	17.15	91	60788	0.356	ppbv	99
67) sec-Butylbenzene	17.46	105	226379	0.435	ppbv	99
69) p-Isopropyltoluene	17.81	119	175586	0.409	ppbv	97
70) n-Butylbenzene	18.71	91	198689	0.438	ppbv	97
71) 2-Chlorotoluene	15.61	91	124525	0.414	ppbv	98
72) 4-Ethyltoluene	16.00	105	140527	0.402	ppbv	96
73) 1,3,5-Trimethylbenzene	16.16	105	142863	0.423	ppbv	99
74) 1,2,4-Trimethylbenzene	16.92	105	166641	0.443	ppbv	96
75) 1,3-Dichlorobenzene	17.15	146	57837	0.255	ppbv #	23
76) 1,4-Dichlorobenzene	17.30	146	100224	0.466	ppbv	97
77) 1,2-Dichlorobenzene	17.99	146	101744	0.484	ppbv	98
78) Hexachloro-1,3-Butadiene	23.54	225	87793	0.527	ppbv	99
79) Naphthalene	22.41	128	126908	0.369	ppbv	96
80) Naphthalene,2-methyl-	25.12	142	36367	0.277	ppbv	98
81) 1,2,4-Trichlorobenzene	22.13	180	49497	0.248	ppbv #	32

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 877

Delta R.T. -0.00 min

Lab File: VL033703.D

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MSVOA_L

ClientSampleId :

VSTDIC0.5

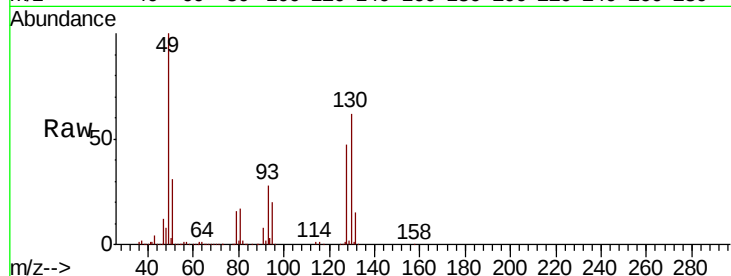
Tgt Ion: 49 Resp: 1108721

Ion Ratio Lower Upper

49 100

128 49.8 25.2 75.6

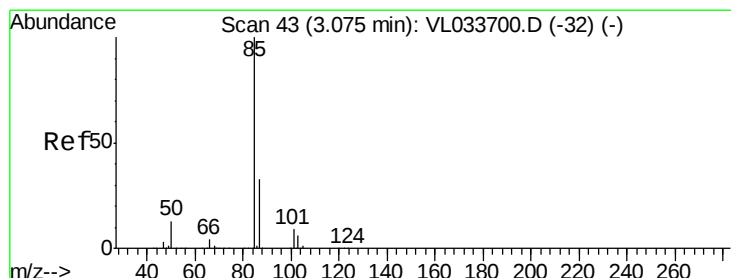
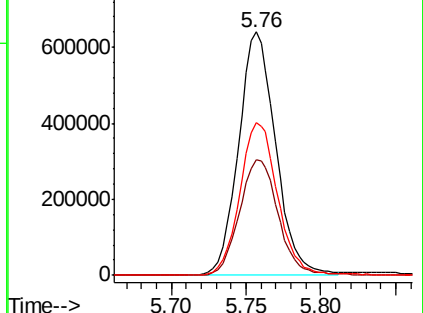
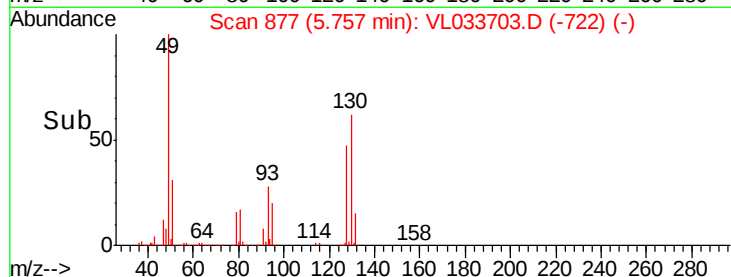
130 64.1 32.5 97.5



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: 0.483 ppbv

RT: 3.08 min Scan# 43

Delta R.T. 0.00 min

Lab File: VL033703.D

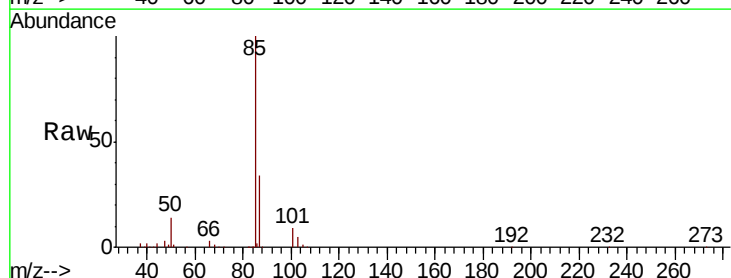
Acq: 17 May 2019 3:56

Tgt Ion: 85 Resp: 122501

Ion Ratio Lower Upper

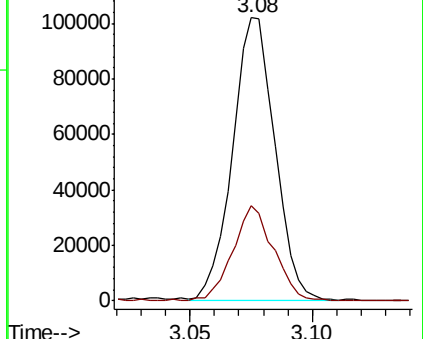
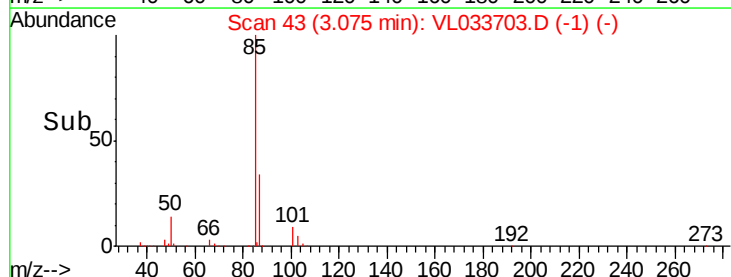
85 100

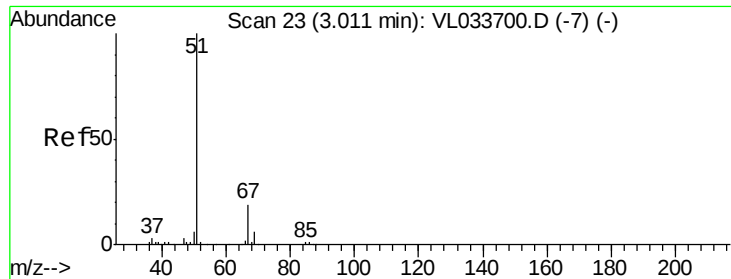
87 33.7 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

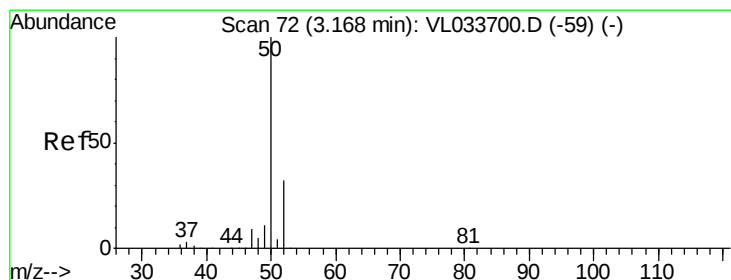
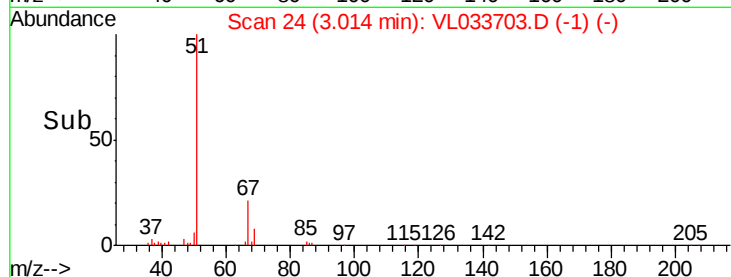
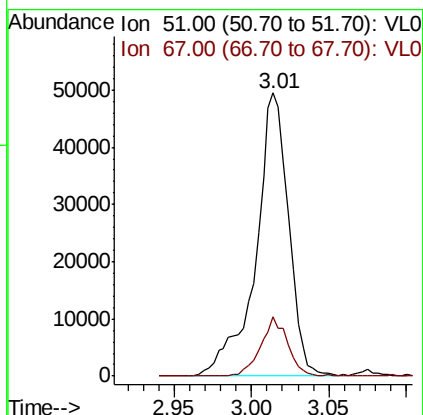
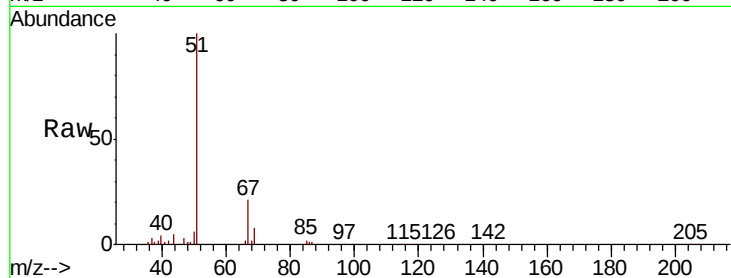




#3
Chlorodifluoromethane
Concen: 0.462 ppbv
RT: 3.01 min Scan# 24
Delta R.T. 0.00 min
Lab File: VL033703.D
Acq: 17 May 2019 3:56

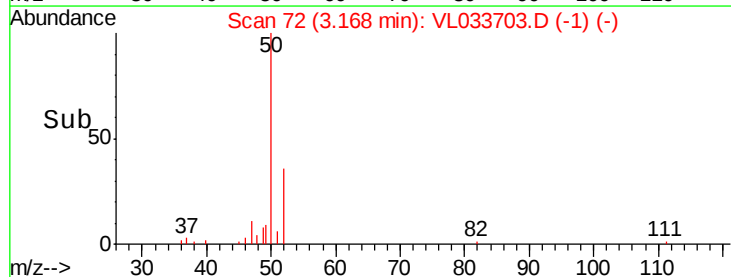
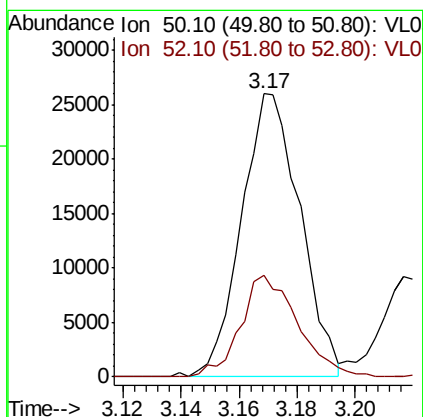
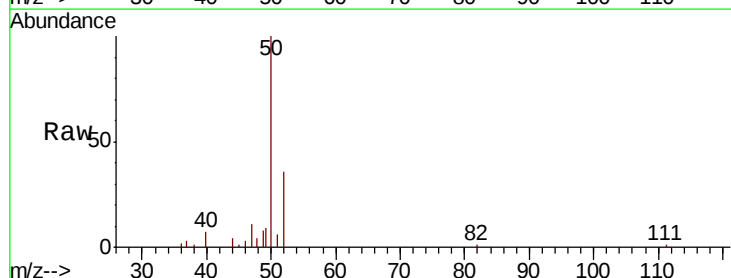
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

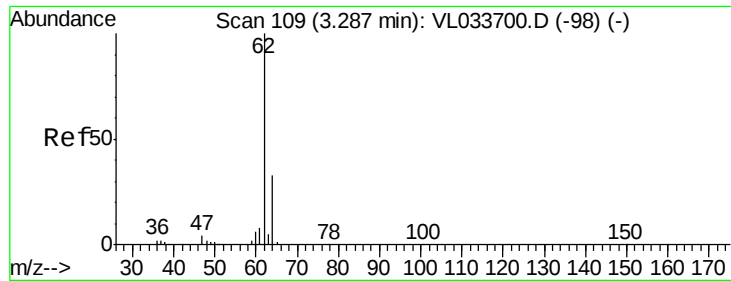
Tgt Ion: 51 Resp: 73501
Ion Ratio Lower Upper
51 100
67 17.1 15.6 23.4



#4
Chloromethane
Concen: 0.440 ppbv
RT: 3.17 min Scan# 72
Delta R.T. 0.00 min
Lab File: VL033703.D
Acq: 17 May 2019 3:56

Tgt Ion: 50 Resp: 36391
Ion Ratio Lower Upper
50 100
52 36.1 25.7 38.5





#5

Vinyl Chloride

Concen: 0.449 ppbv

RT: 3.29 min Scan# 110

Delta R.T. 0.00 min

Lab File: VL033703.D

Acq: 17 May 2019 3:56

Instrument :

MSVOA_L

ClientSampleId :

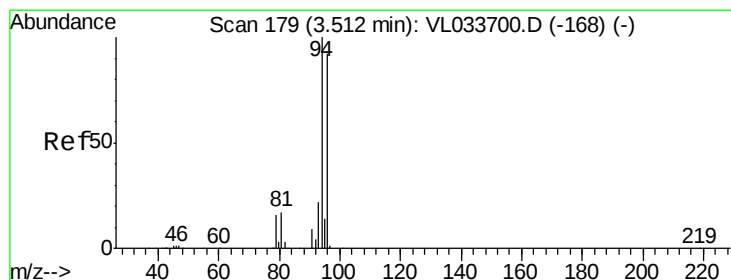
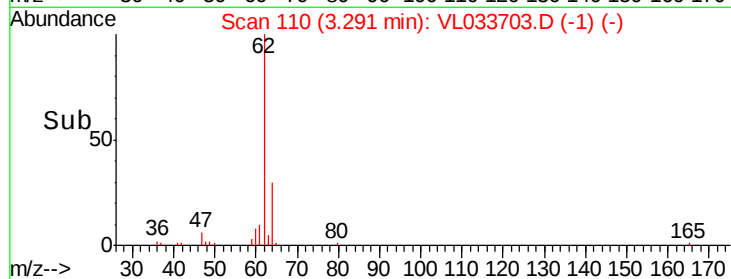
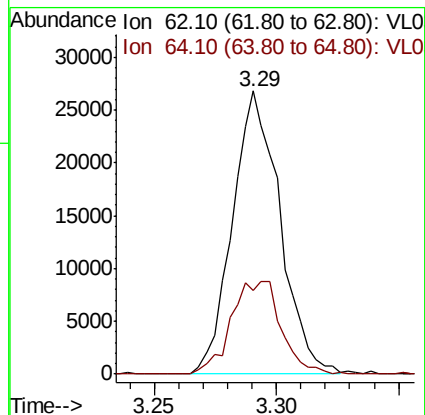
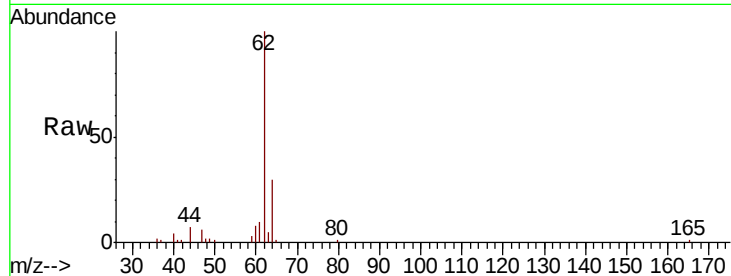
VSTDIC0.5

Tgt Ion: 62 Resp: 36195

Ion Ratio Lower Upper

62 100

64 29.5 26.4 39.6



#6

Bromomethane

Concen: 0.435 ppbv

RT: 3.52 min Scan# 180

Delta R.T. 0.00 min

Lab File: VL033703.D

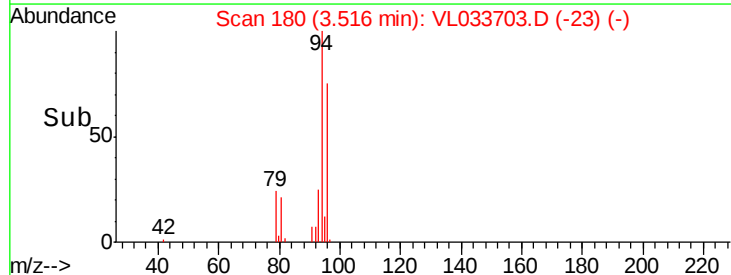
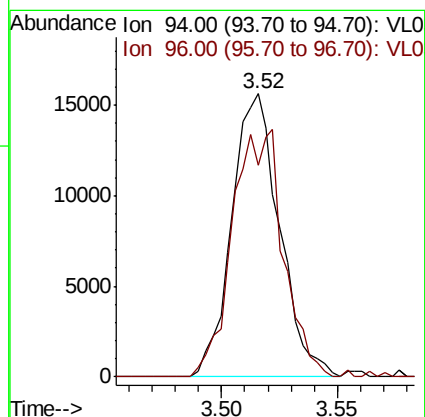
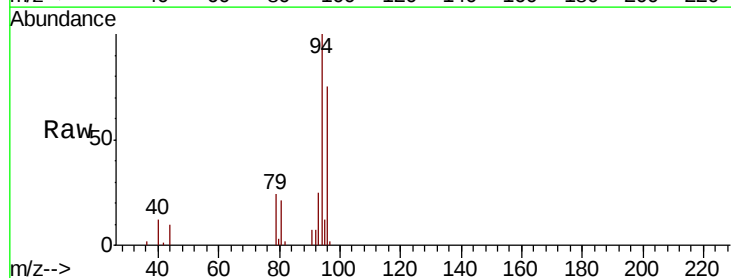
Acq: 17 May 2019 3:56

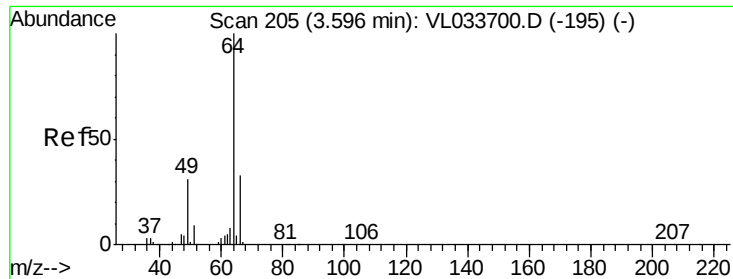
Tgt Ion: 94 Resp: 22315

Ion Ratio Lower Upper

94 100

96 76.9 73.6 110.4





#7

Chloroethane

Concen: 0.457 ppbv

RT: 3.60 min Scan# 206

Delta R.T. 0.00 min

Lab File: VL033703.D

Acq: 17 May 2019 3:56

Instrument :

MSVOA_L

ClientSampleId :

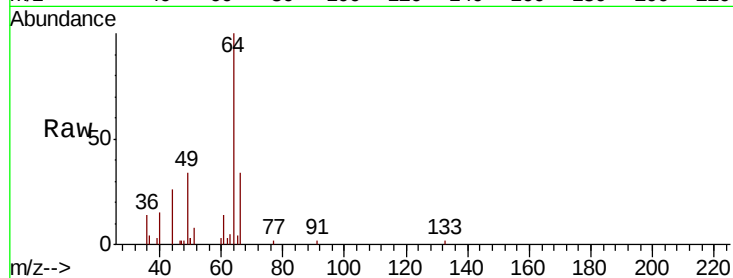
VSTDIC0.5

Tgt Ion: 64 Resp: 13404

Ion Ratio Lower Upper

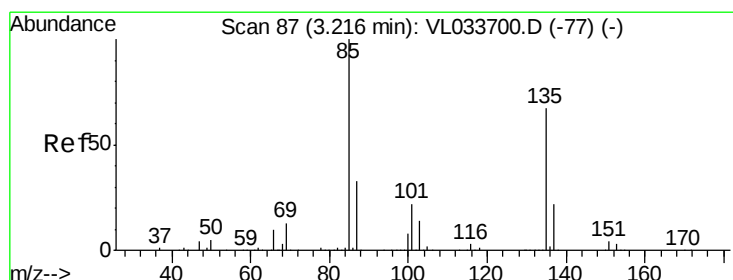
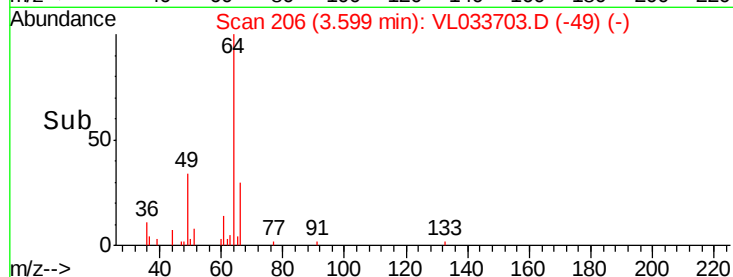
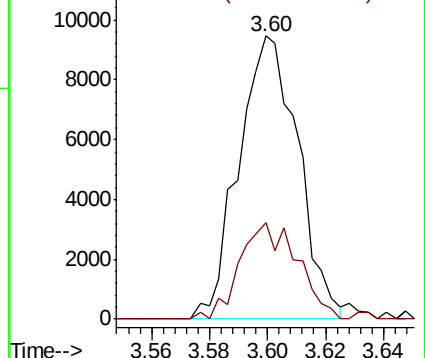
64 100

66 34.0 26.6 40.0



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 0.461 ppbv

RT: 3.22 min Scan# 88

Delta R.T. 0.00 min

Lab File: VL033703.D

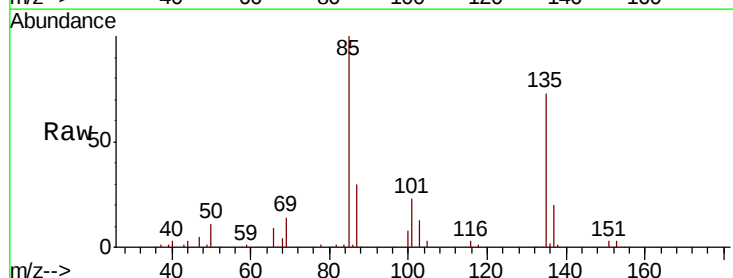
Acq: 17 May 2019 3:56

Tgt Ion: 85 Resp: 97931

Ion Ratio Lower Upper

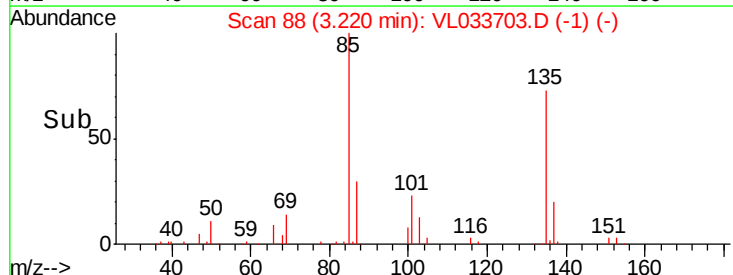
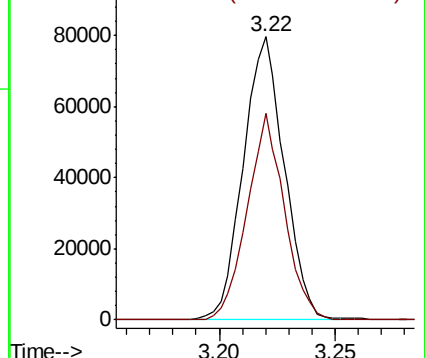
85 100

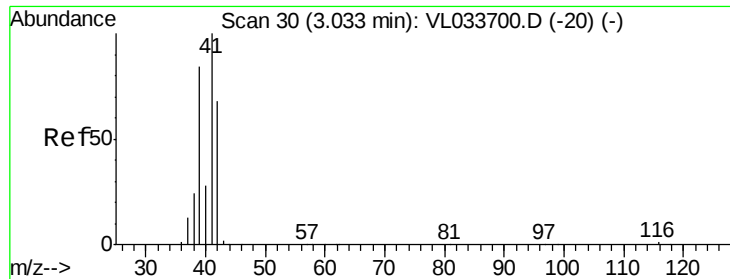
135 66.6 54.5 81.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 0.421 ppbv

RT: 3.03 min Scan# 30

Delta R.T. 0.00 min

Lab File: VL033703.D

Acq: 17 May 2019 3:56

Instrument :

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ClientSampleId :

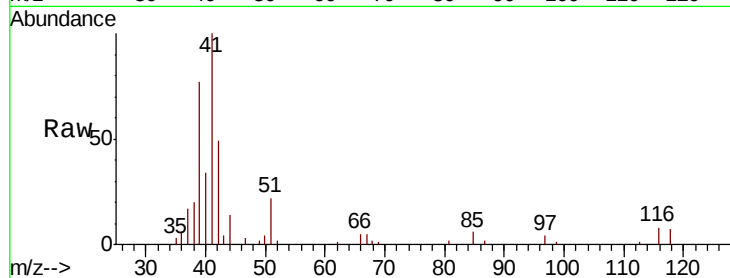
VSTDIC0.5

Tgt Ion: 41 Resp: 25666

Ion Ratio Lower Upper

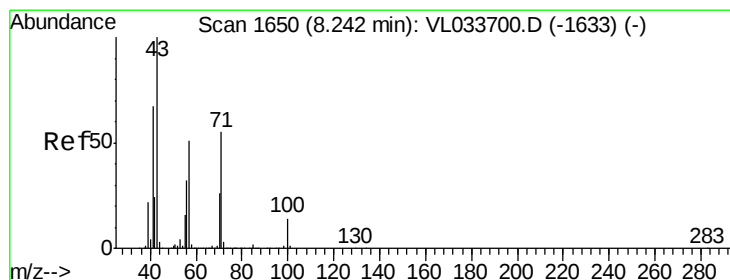
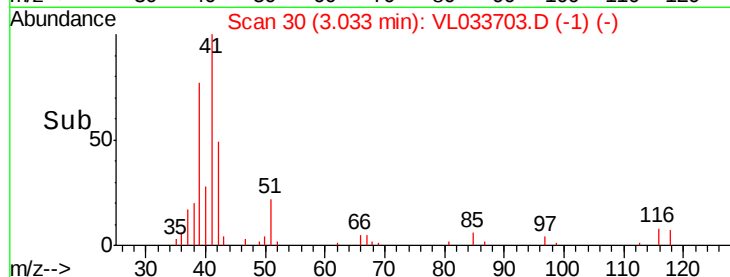
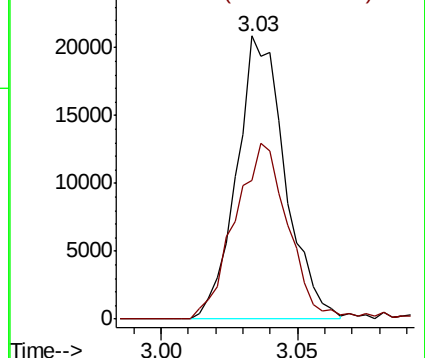
41 100

42 70.1 56.1 84.1



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 0.441 ppbv

RT: 8.25 min Scan# 1651

Delta R.T. 0.00 min

Lab File: VL033703.D

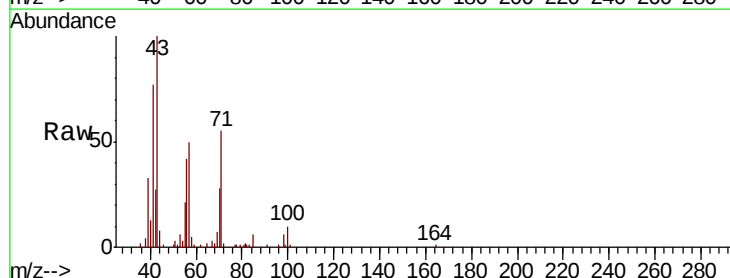
Acq: 17 May 2019 3:56

Tgt Ion: 43 Resp: 66574

Ion Ratio Lower Upper

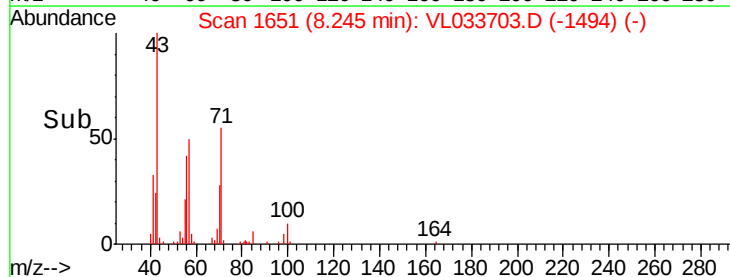
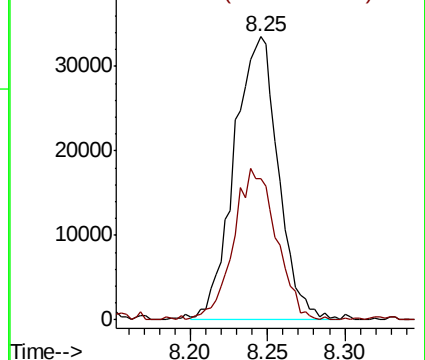
43 100

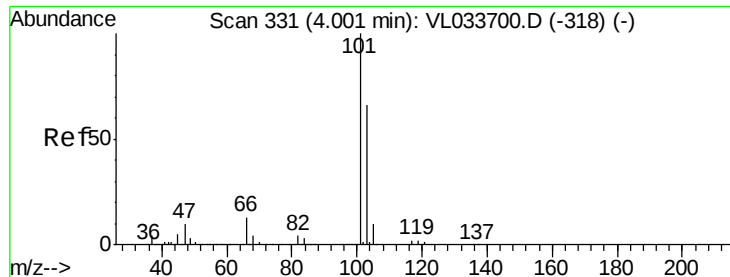
57 51.9 41.4 62.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#11

Trichlorofluoromethane

Concen: 0.461 ppbv

RT: 4.00 min Scan# 331

Delta R.T. 0.00 min

Lab File: VL033703.D

Acq: 17 May 2019 3:56

Instrument :

MSVOA_L

ClientSampleId :

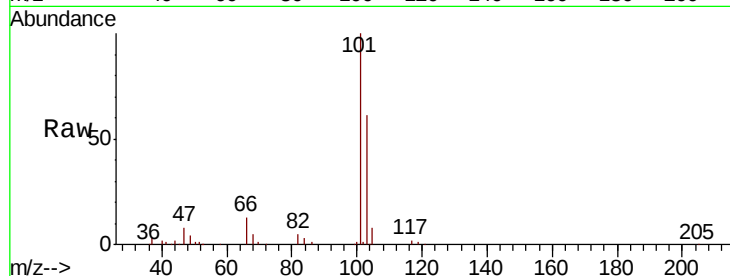
VSTDIC0.5

Tgt Ion:101 Resp: 112491

Ion Ratio Lower Upper

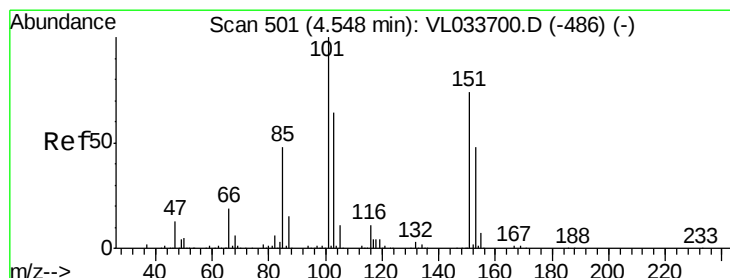
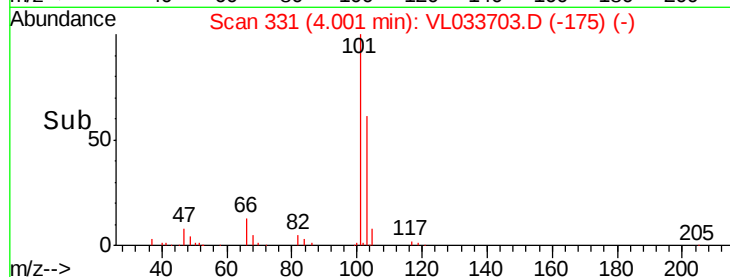
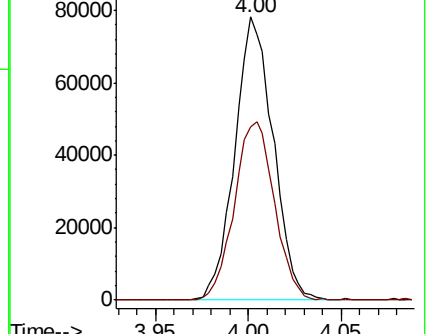
101 100

103 61.4 52.6 78.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.491 ppbv

RT: 4.55 min Scan# 502

Delta R.T. 0.00 min

Lab File: VL033703.D

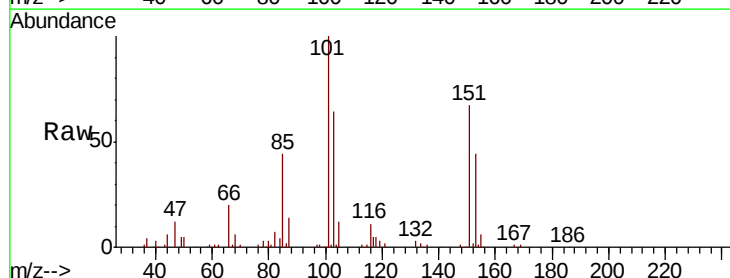
Acq: 17 May 2019 3:56

Tgt Ion:101 Resp: 80764

Ion Ratio Lower Upper

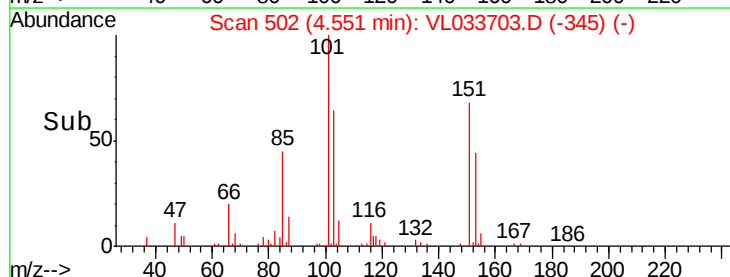
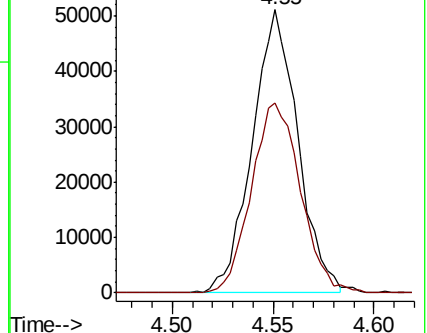
101 100

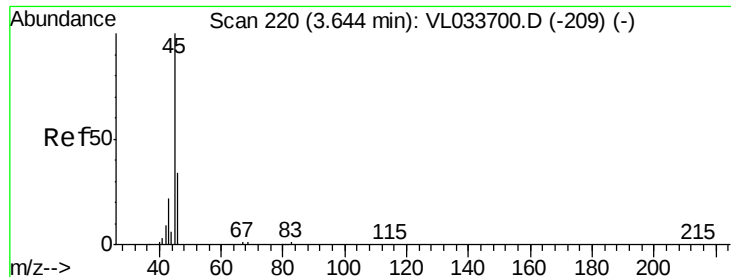
151 72.2 58.2 87.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

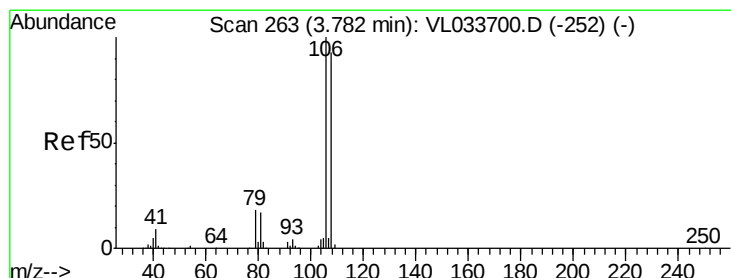
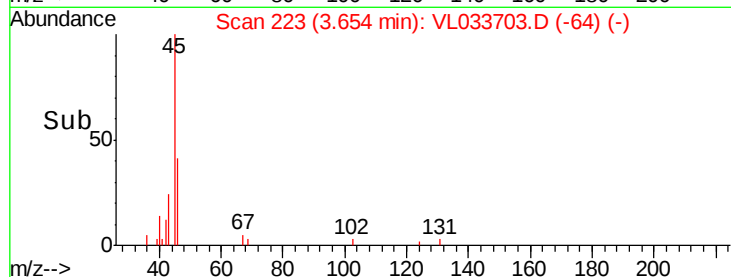
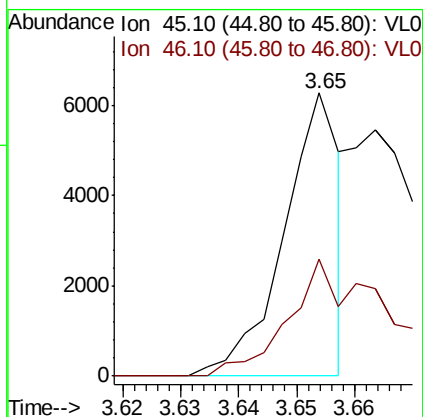
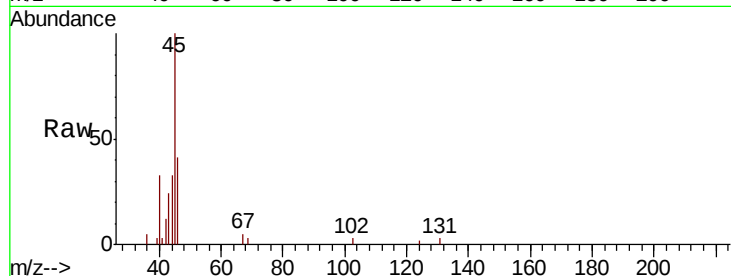




#13
Ethanol
Concen: 0.227 ppbv
RT: 3.65 min Scan# 223
Delta R.T. 0.01 min
Lab File: VL033703.D
Acq: 17 May 2019 3:56

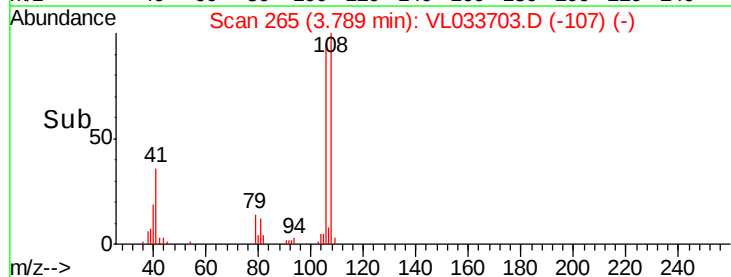
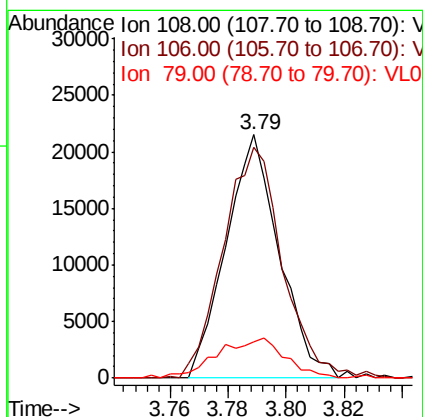
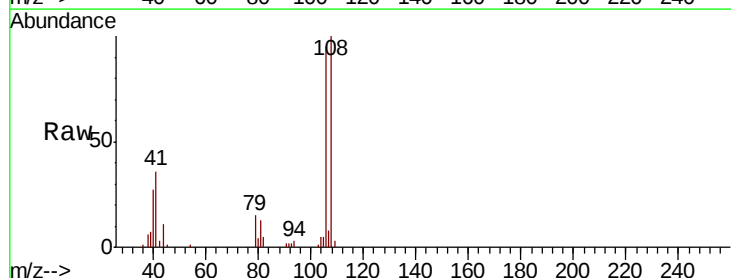
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

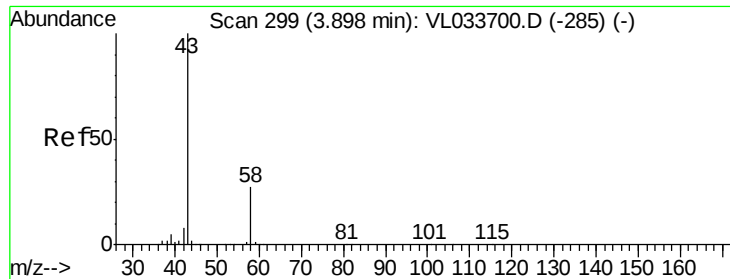
Tgt Ion: 45 Resp: 4218
Ion Ratio Lower Upper
45 100
46 94.5 14.8 59.0#



#14
Bromoethene
Concen: 0.430 ppbv
RT: 3.79 min Scan# 265
Delta R.T. 0.01 min
Lab File: VL033703.D
Acq: 17 May 2019 3:56

Tgt Ion: 108 Resp: 27336
Ion Ratio Lower Upper
108 100
106 106.4 86.5 129.7
79 21.3 15.1 22.7





#15

Acetone

Concen: 0.498 ppbv

RT: 3.91 min Scan# 303

Delta R.T. 0.01 min

Lab File: VL033703.D

Acq: 17 May 2019 3:56

Instrument :

MSVOA_L

ClientSampleId :

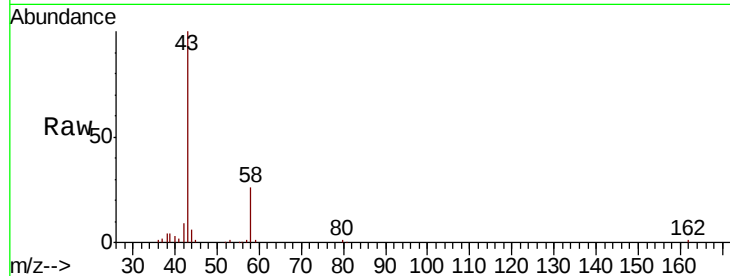
VSTDIC0.5

Tgt Ion: 43 Resp: 82656

Ion Ratio Lower Upper

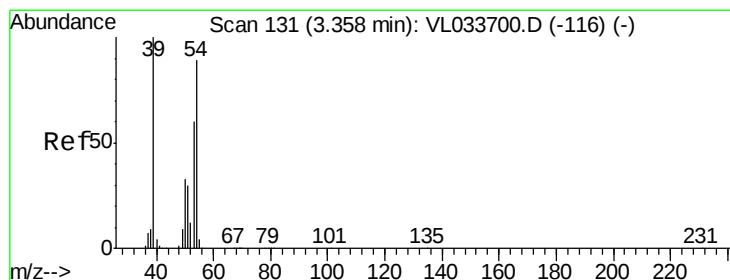
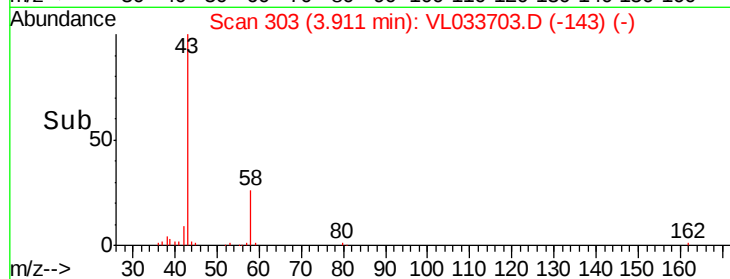
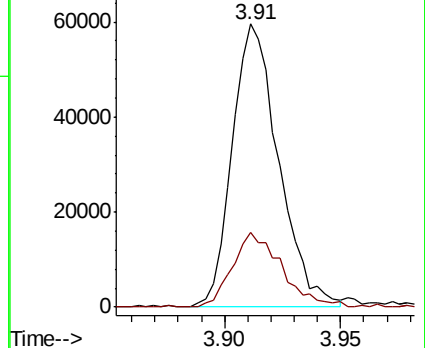
43 100

58 28.3 21.3 31.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 0.409 ppbv

RT: 3.36 min Scan# 133

Delta R.T. 0.01 min

Lab File: VL033703.D

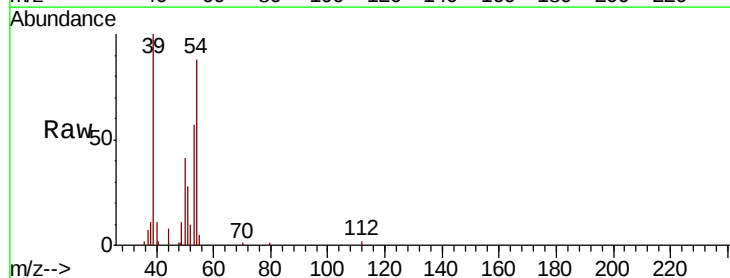
Acq: 17 May 2019 3:56

Tgt Ion: 39 Resp: 28512

Ion Ratio Lower Upper

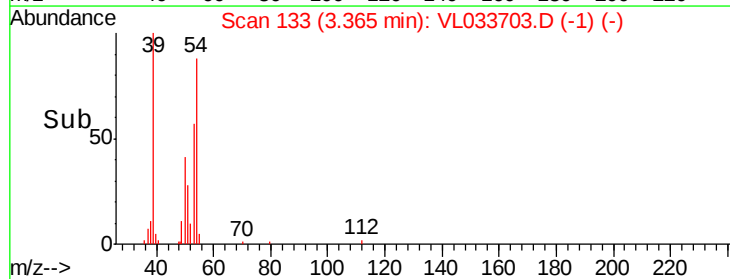
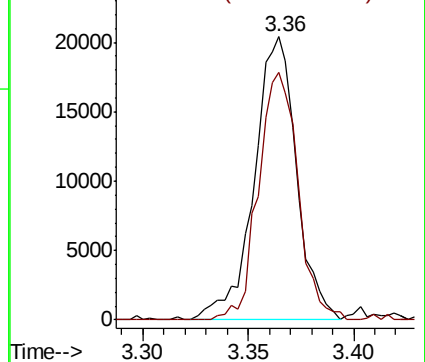
39 100

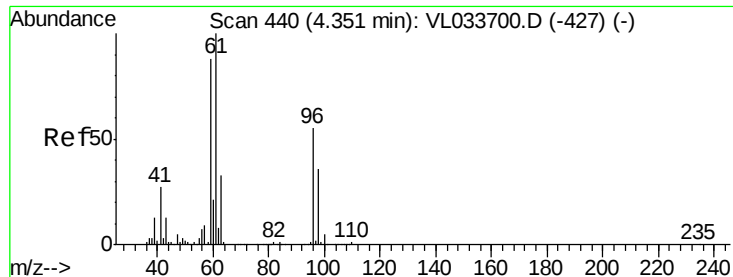
54 82.3 69.0 103.6



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

tert-Butyl alcohol

Concen: 0.483 ppbv

RT: 4.38 min Scan# 448

Delta R.T. 0.03 min

Lab File: VL033703.D

Acq: 17 May 2019 3:56

Instrument :

MSVOA_L

ClientSampleId :

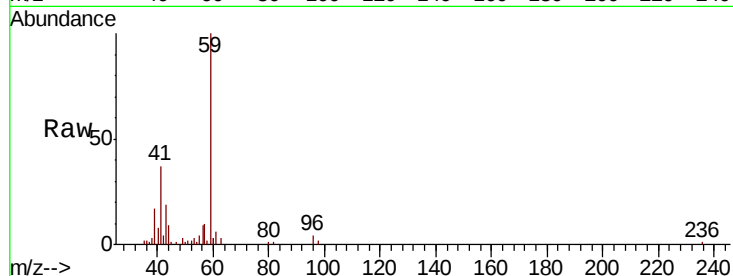
VSTDIC0.5

Tgt Ion: 59 Resp: 61647

Ion Ratio Lower Upper

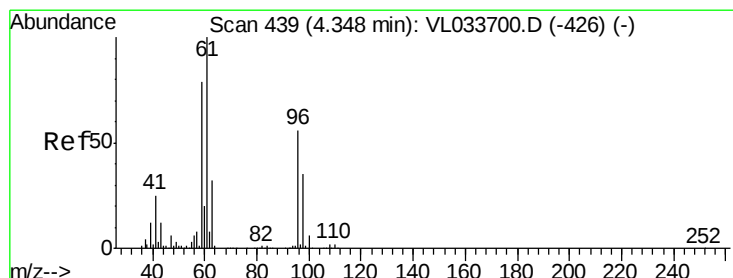
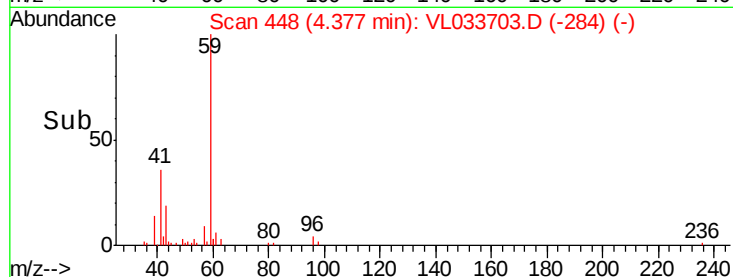
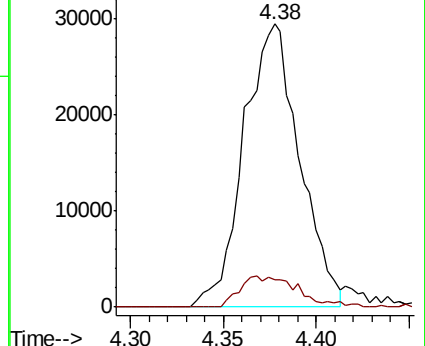
59 100

57 11.6 8.4 12.6



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#18

1,1-Dichloroethene

Concen: 0.441 ppbv

RT: 4.35 min Scan# 441

Delta R.T. 0.01 min

Lab File: VL033703.D

Acq: 17 May 2019 3:56

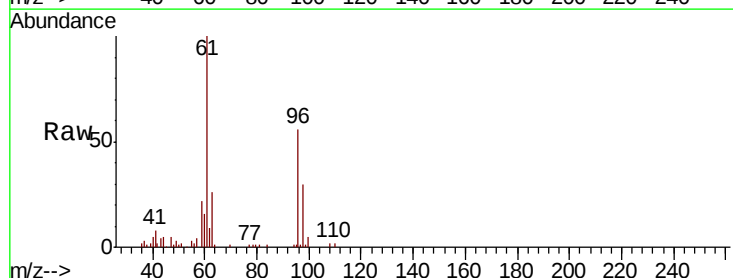
Tgt Ion: 96 Resp: 31275

Ion Ratio Lower Upper

96 100

61 172.3 143.1 214.7

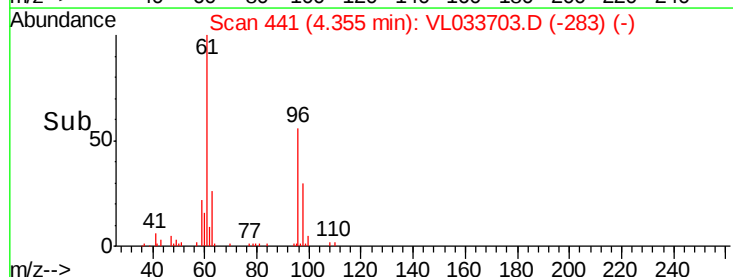
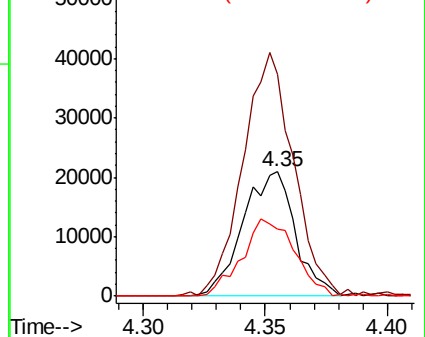
98 52.7 49.5 74.3

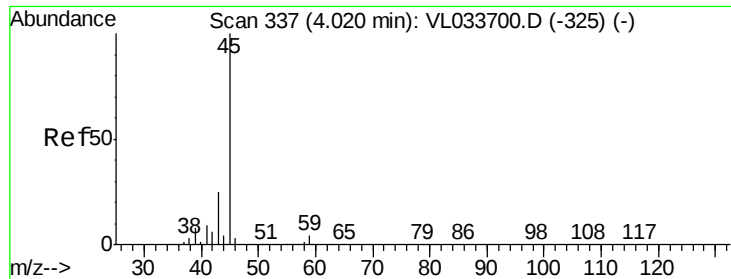


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#19

Isopropyl Alcohol

Concen: 0.495 ppbv

RT: 4.04 min Scan# 342

Delta R.T. 0.02 min

Lab File: VL033703.D

Acq: 17 May 2019 3:56

Instrument :

MSVOA_L

ClientSampleId :

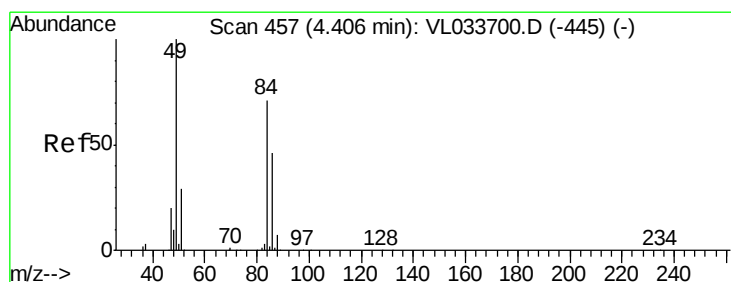
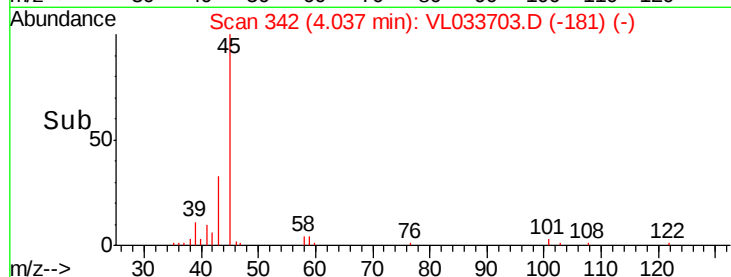
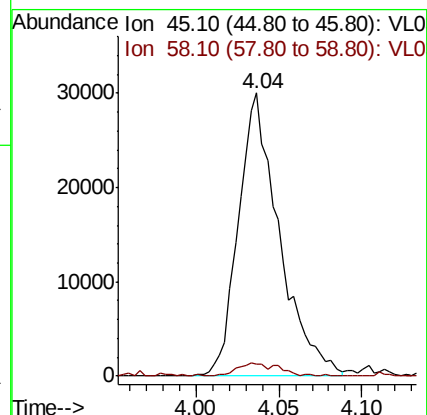
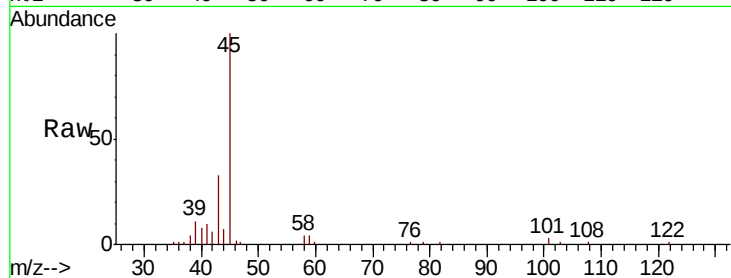
VSTDIC0.5

Tgt Ion: 45 Resp: 51349

Ion Ratio Lower Upper

45 100

58 4.9 1.6 2.4#



#20

Methylene Chloride

Concen: 0.498 ppbv

RT: 4.41 min Scan# 457

Delta R.T. 0.00 min

Lab File: VL033703.D

Acq: 17 May 2019 3:56

Tgt Ion: 84 Resp: 31253

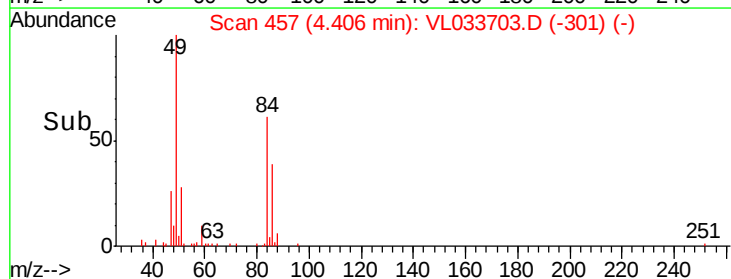
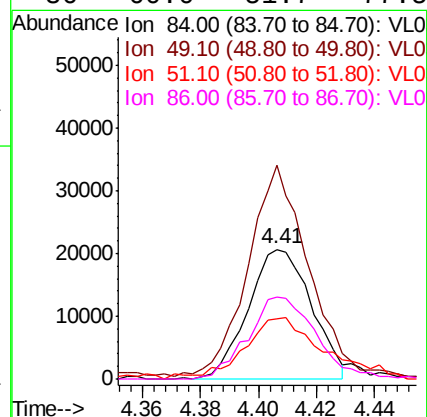
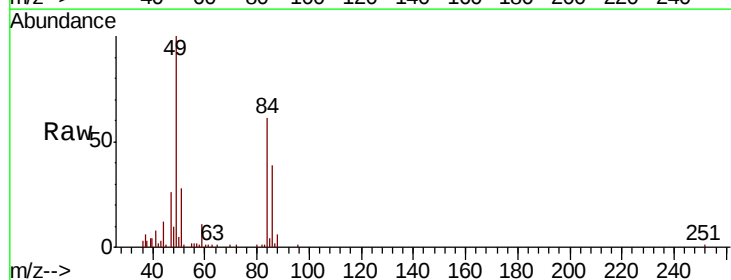
Ion Ratio Lower Upper

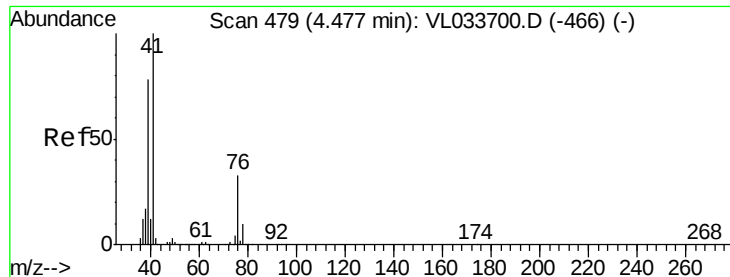
84 100

49 151.6 112.8 169.2

51 41.2 33.4 50.0

86 60.0 51.7 77.5





#21

Allyl Chloride

Concen: 0.459 ppbv

RT: 4.48 min Scan# 479

Delta R.T. 0.00 min

Lab File: VL033703.D

Acq: 17 May 2019 3:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

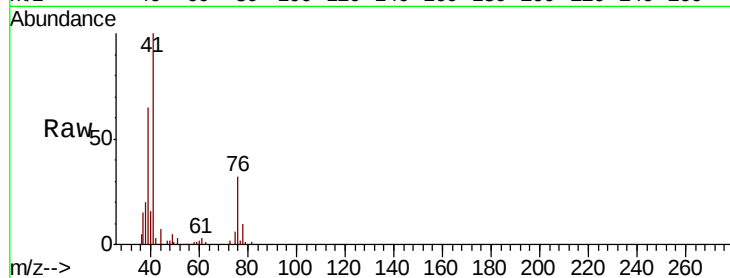
Tgt Ion: 41 Resp: 46285

Ion Ratio Lower Upper

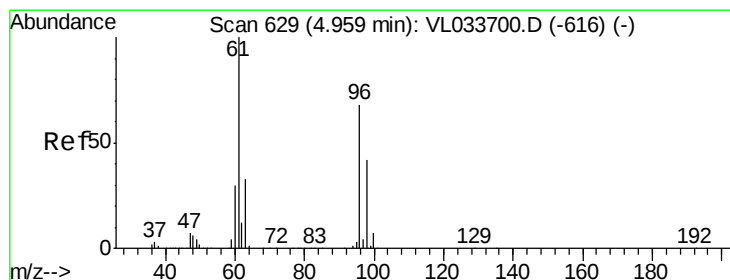
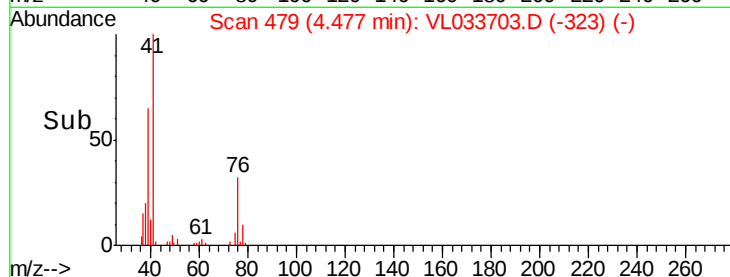
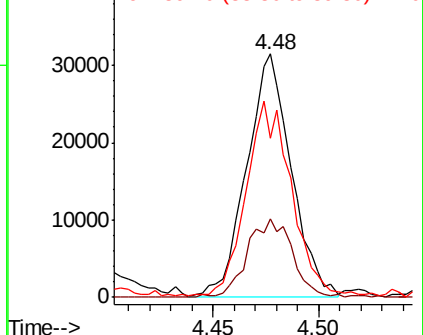
41 100

76 32.7 25.9 38.9

39 82.8 64.6 97.0



Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 76.10 (75.80 to 76.80): VL0
Ion 39.10 (38.80 to 39.80): VL0



#22

trans-1,2-Dichloroethene

Concen: 0.476 ppbv

RT: 4.96 min Scan# 630

Delta R.T. 0.00 min

Lab File: VL033703.D

Acq: 17 May 2019 3:56

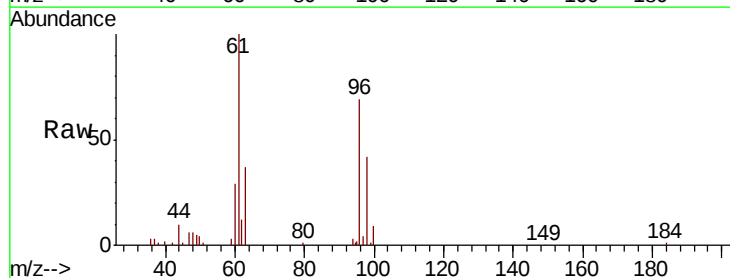
Tgt Ion: 96 Resp: 33419

Ion Ratio Lower Upper

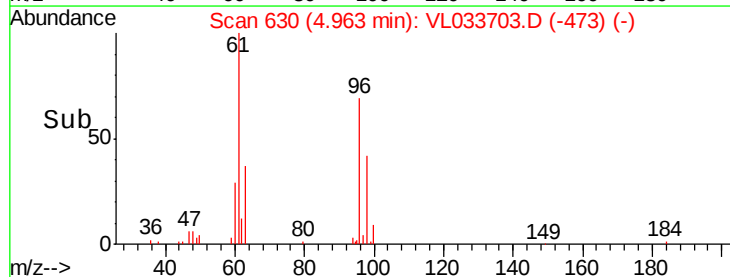
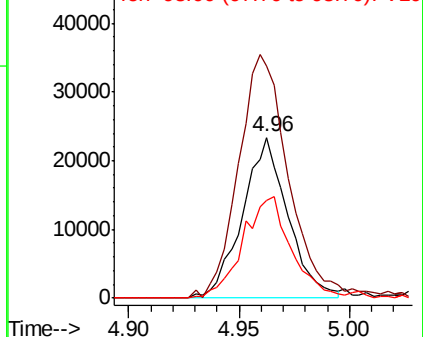
96 100

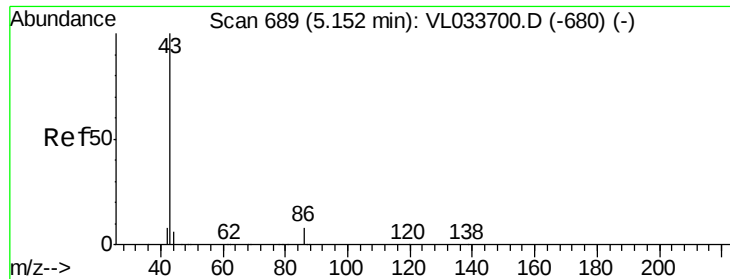
61 144.7 116.8 175.2

98 60.7 49.4 74.0



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: 0.434 ppbv

RT: 5.16 min Scan# 690

Delta R.T. 0.00 min

Lab File: VL033703.D

Acq: 17 May 2019 3:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion: 43 Resp: 92916

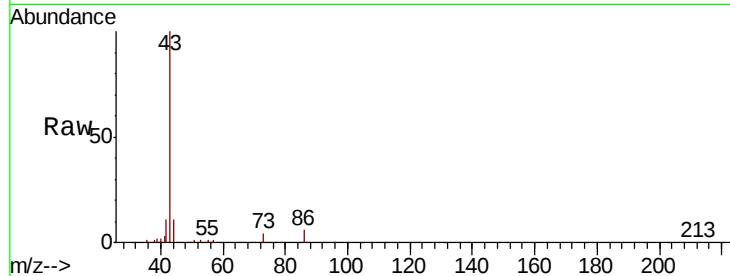
Ion Ratio Lower Upper

43 100

86 6.1 6.0 9.0

42 10.8 7.5 11.3

44 8.0 4.4 6.6#

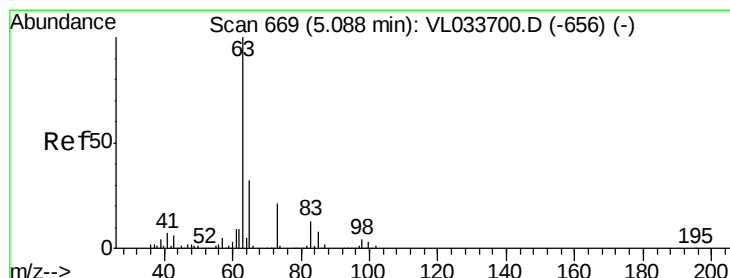
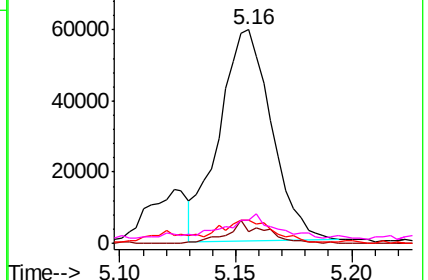
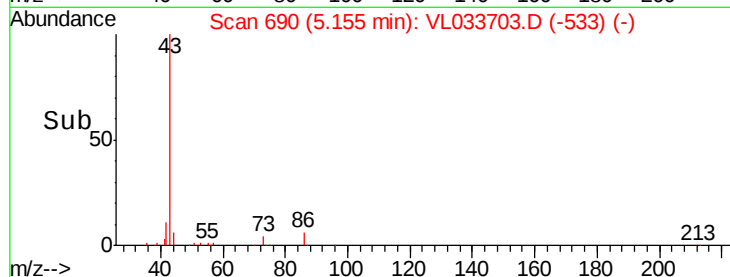


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 0.500 ppbv

RT: 5.09 min Scan# 669

Delta R.T. 0.00 min

Lab File: VL033703.D

Acq: 17 May 2019 3:56

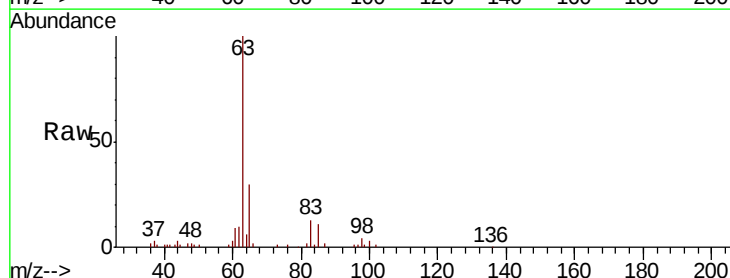
Tgt Ion: 63 Resp: 80851

Ion Ratio Lower Upper

63 100

98 4.5 1.8 5.5

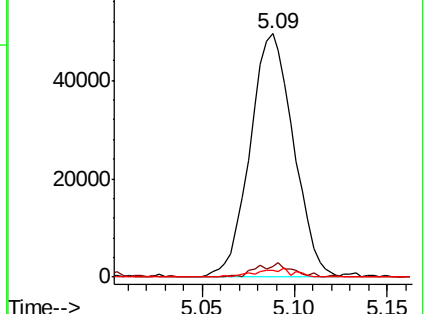
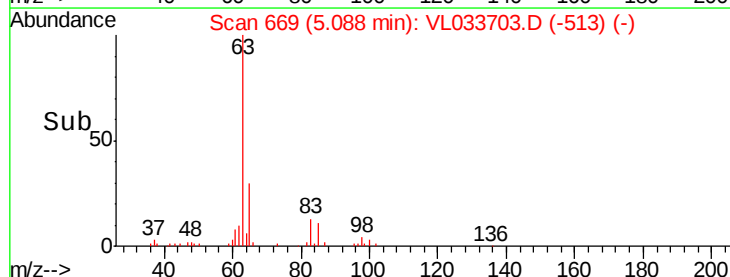
100 3.0 1.4 4.2

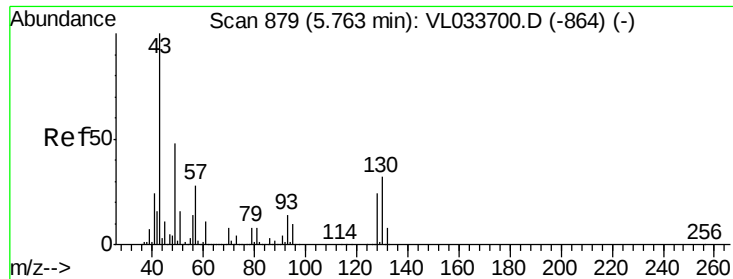


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

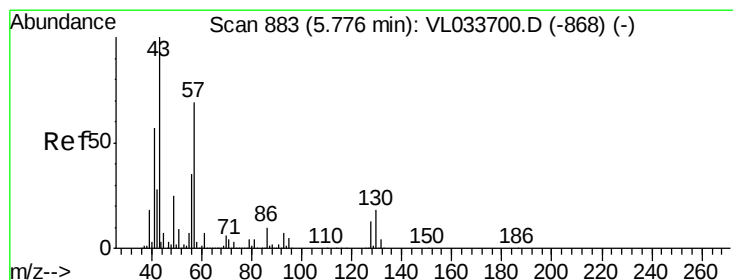
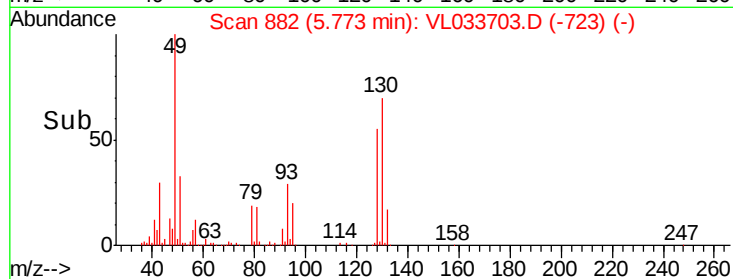
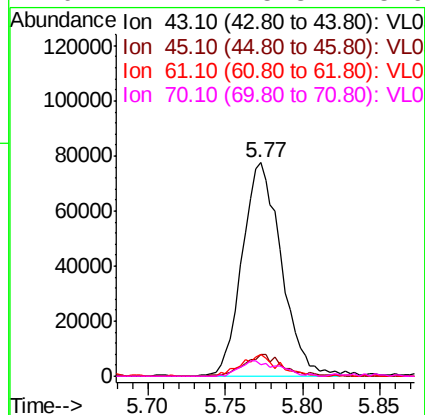
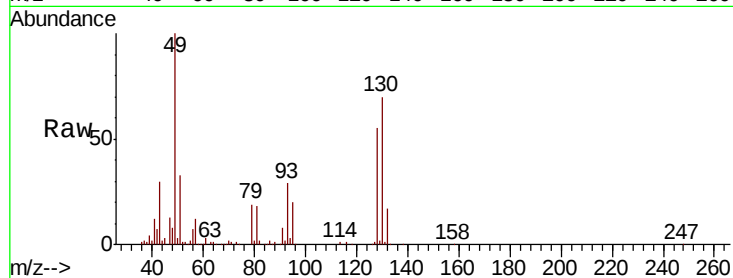




#25
Ethyl Acetate
Concen: 0.504 ppbv
RT: 5.77 min Scan# 882
Delta R.T. 0.01 min
Lab File: VL033703.D
Acq: 17 May 2019 3:56

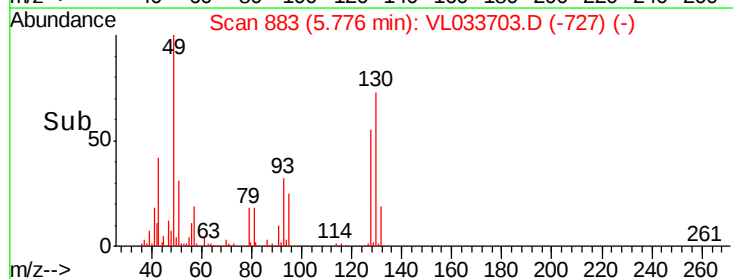
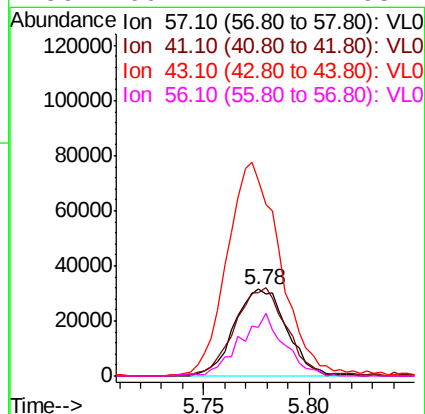
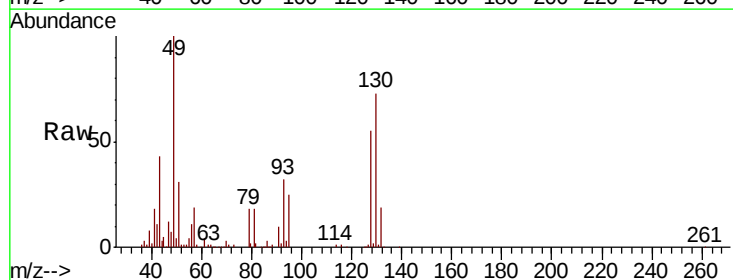
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

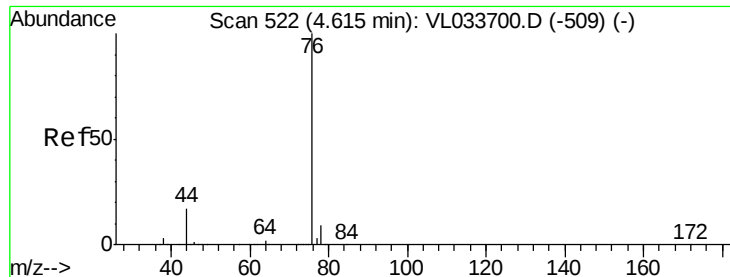
Tgt Ion:	43	Resp:	136317
Ion	Ratio	Lower	Upper
43	100		
45	10.5	7.9	11.9
61	9.3	7.7	11.5
70	7.2	5.8	8.6



#26
Hexane
Concen: 0.469 ppbv
RT: 5.78 min Scan# 883
Delta R.T. 0.00 min
Lab File: VL033703.D
Acq: 17 May 2019 3:56

Tgt Ion:	57	Resp:	54489
Ion	Ratio	Lower	Upper
57	100		
41	102.4	69.8	104.6
43	253.6	181.8	272.6
56	60.4	42.1	63.1





#27

Carbon Disulfide

Concen: 0.469 ppbv

RT: 4.62 min Scan# 524

Delta R.T. 0.01 min

Lab File: VL033703.D

Acq: 17 May 2019 3:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

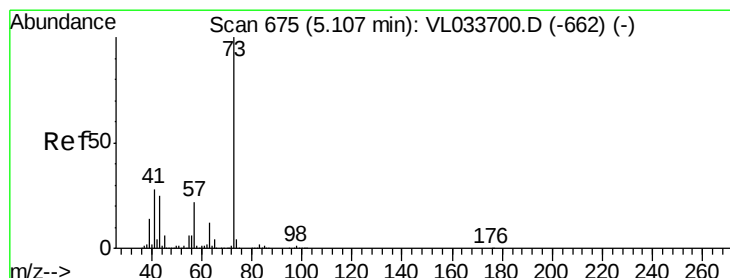
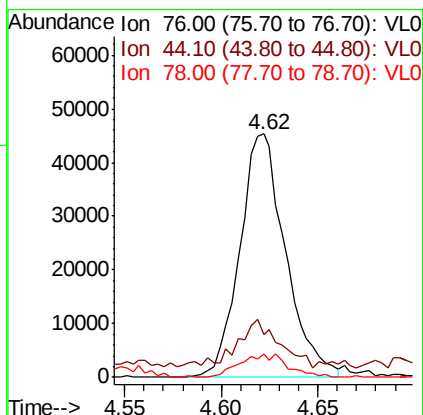
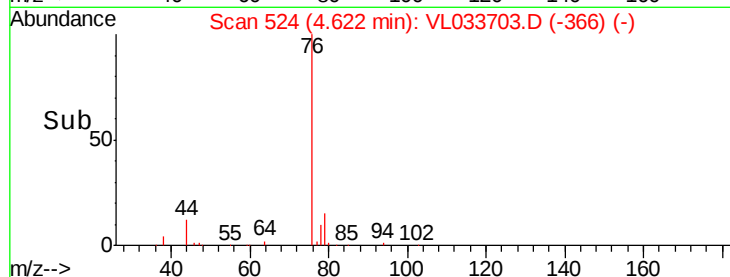
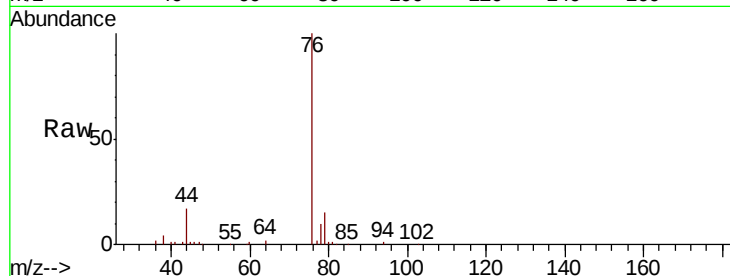
Tgt Ion: 76 Resp: 74801

Ion Ratio Lower Upper

76 100

44 20.3 13.8 20.8

78 10.0 7.4 11.0



#28

Methyl tert-Butyl Ether

Concen: 0.448 ppbv

RT: 5.12 min Scan# 680

Delta R.T. 0.02 min

Lab File: VL033703.D

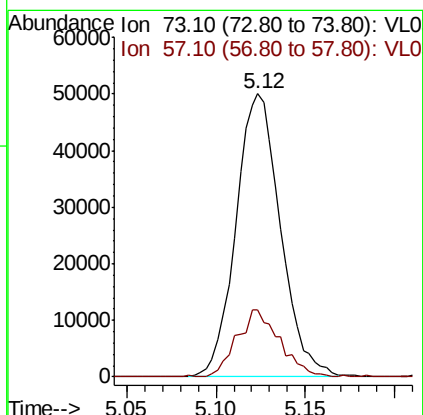
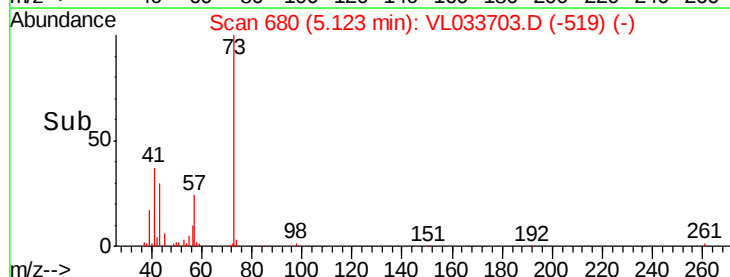
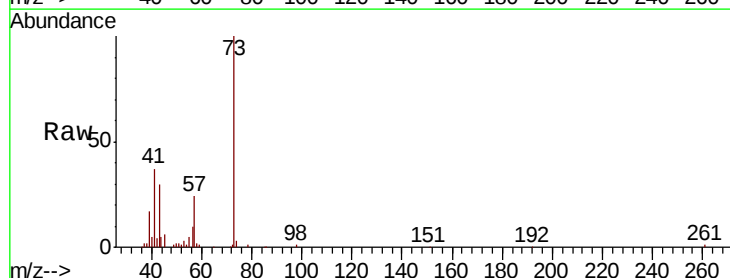
Acq: 17 May 2019 3:56

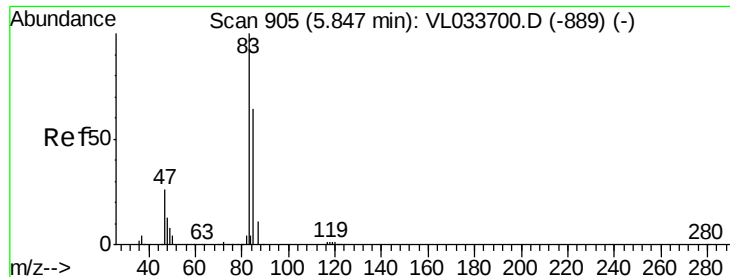
Tgt Ion: 73 Resp: 87010

Ion Ratio Lower Upper

73 100

57 22.8 17.4 26.2

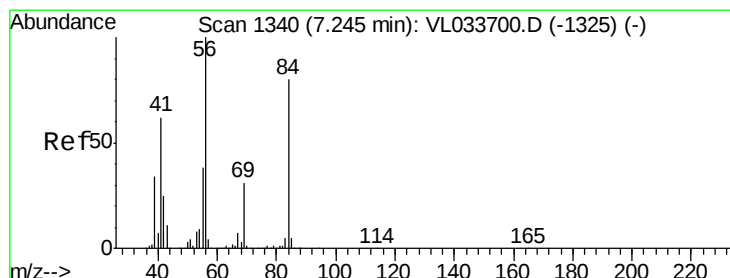
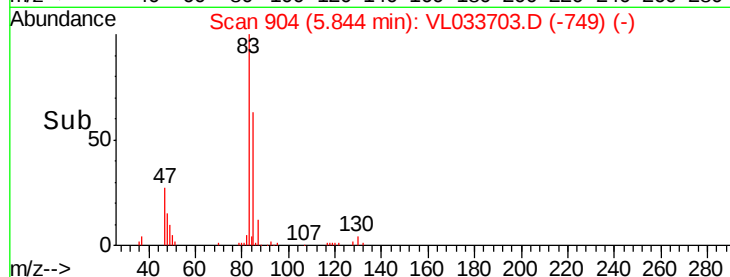
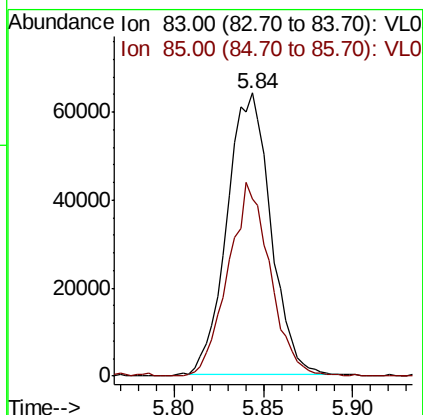
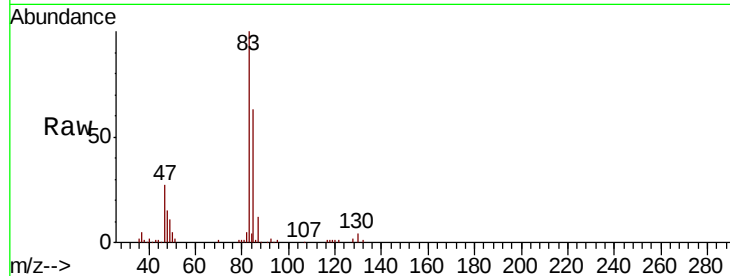




#29
Chloroform
Concen: 0.526 ppbv
RT: 5.84 min Scan# 904
Delta R.T. -0.00 min
Lab File: VL033703.D
Acq: 17 May 2019 3:56

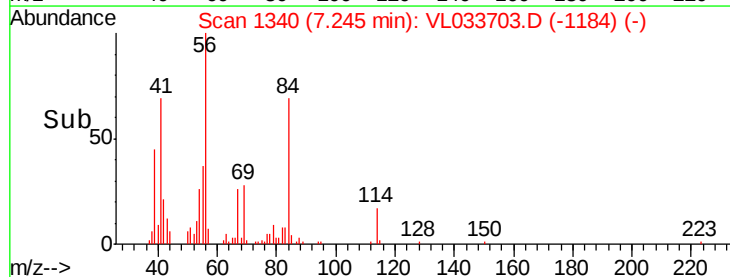
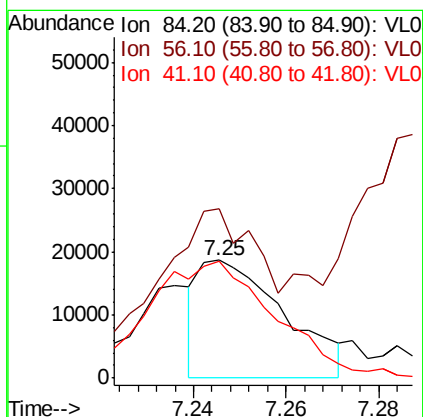
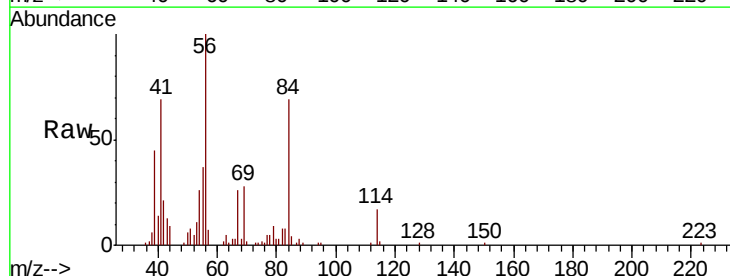
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

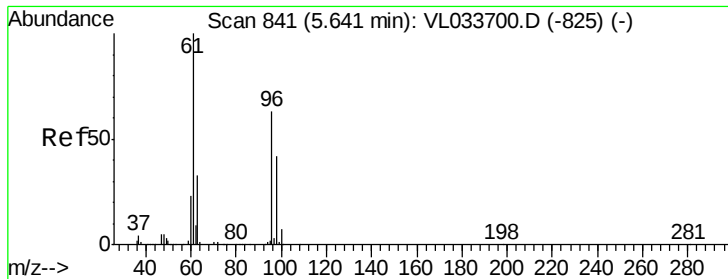
Tgt Ion: 83 Resp: 109725
Ion Ratio Lower Upper
83 100
85 62.4 51.5 77.3



#30
Cyclohexane
Concen: 0.244 ppbv
RT: 7.25 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VL033703.D
Acq: 17 May 2019 3:56

Tgt Ion: 84 Resp: 23729
Ion Ratio Lower Upper
84 100
56 198.1 107.7 161.5#
41 154.6 66.0 99.0#



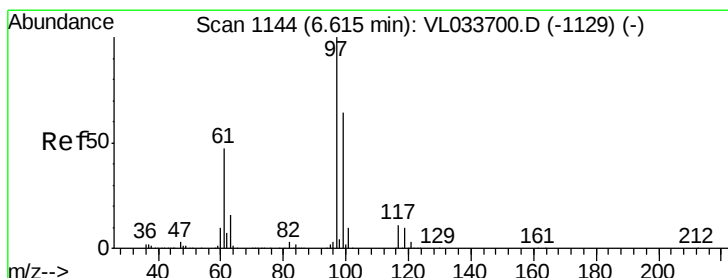
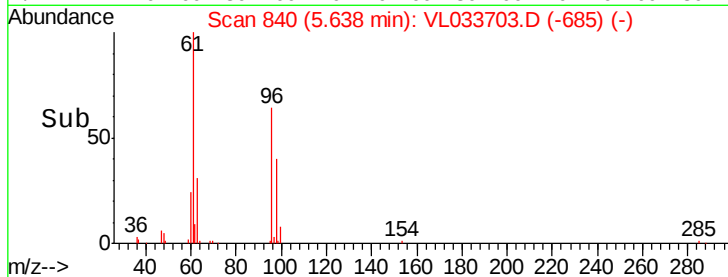
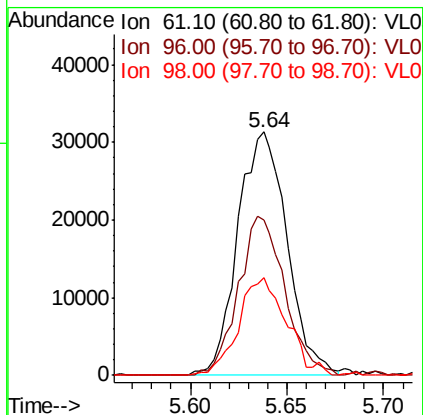
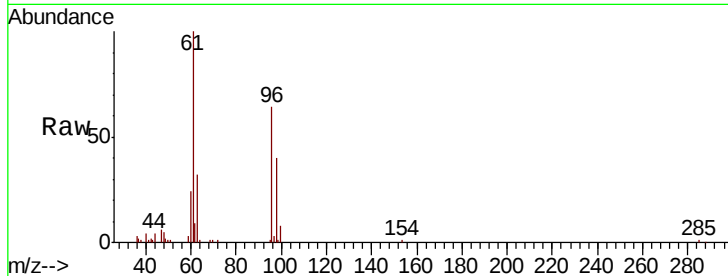


#31

cis-1,2-Dichloroethene
 Concen: 0.486 ppbv
 RT: 5.64 min Scan# 840
 Delta R.T. -0.00 min
 Lab File: VL033703.D
 Acq: 17 May 2019 3:56

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

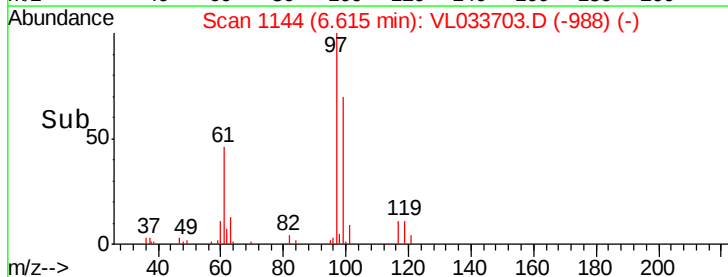
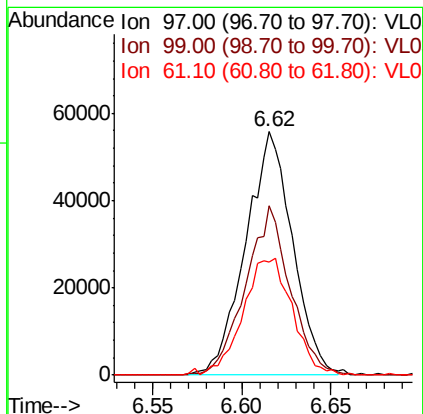
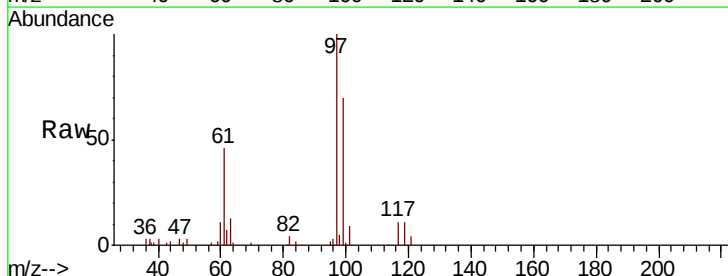
Tgt Ion	Ratio	Lower	Upper
61	100		
96	63.8	50.8	76.2
98	41.3	33.3	49.9

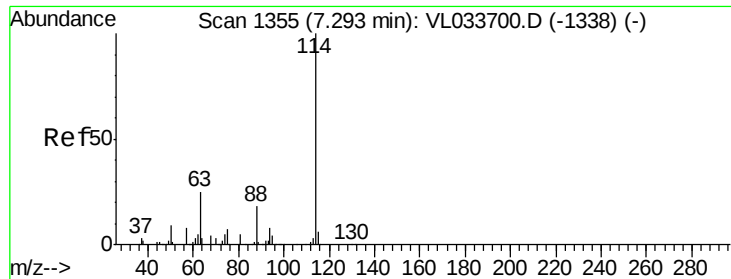


#32

1,1,1-Trichloroethane
 Concen: 0.478 ppbv
 RT: 6.62 min Scan# 1144
 Delta R.T. 0.00 min
 Lab File: VL033703.D
 Acq: 17 May 2019 3:56

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.1	51.5	77.3
61	50.6	37.8	56.8

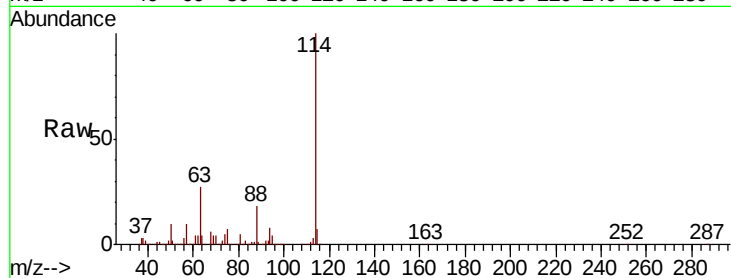




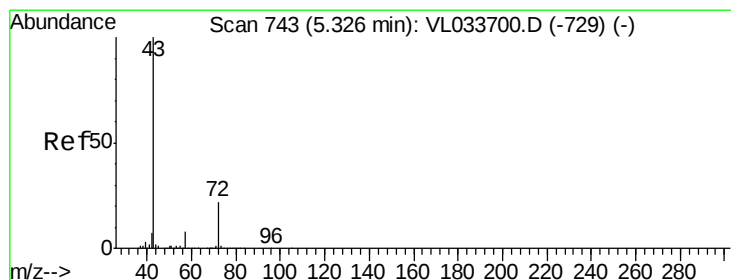
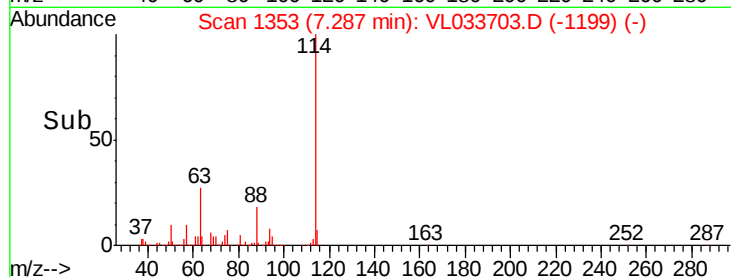
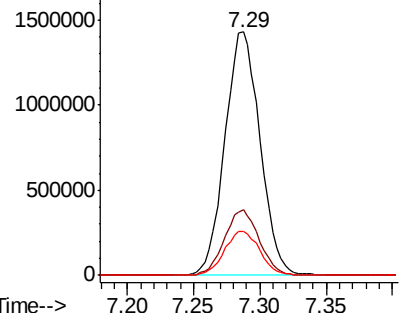
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1353
 Delta R.T. -0.01 min
 Lab File: VL033703.D
 Acq: 17 May 2019 3:56

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tgt Ion:114 Resp: 2637681
 Ion Ratio Lower Upper
 114 100
 63 26.6 20.9 31.3
 88 18.2 14.3 21.5

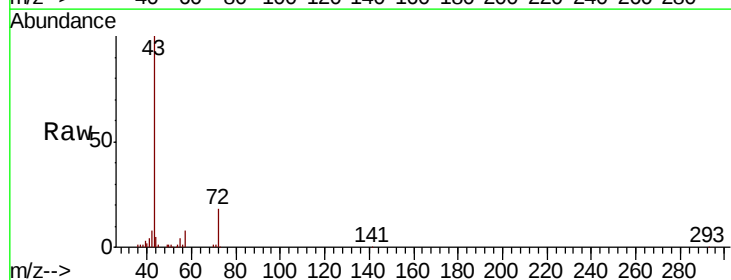


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

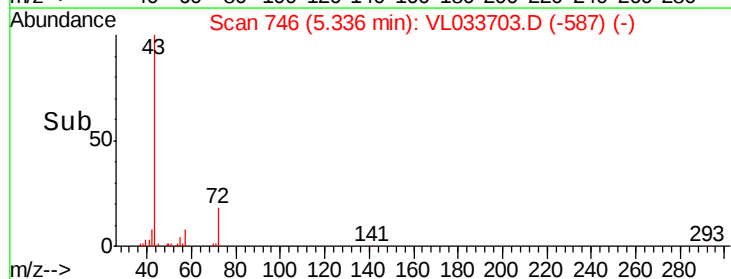
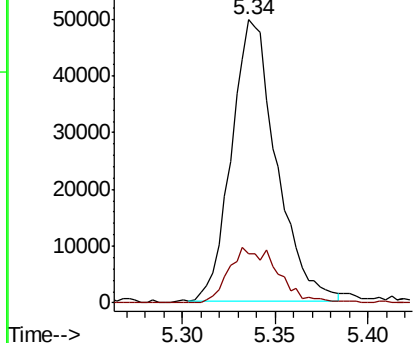


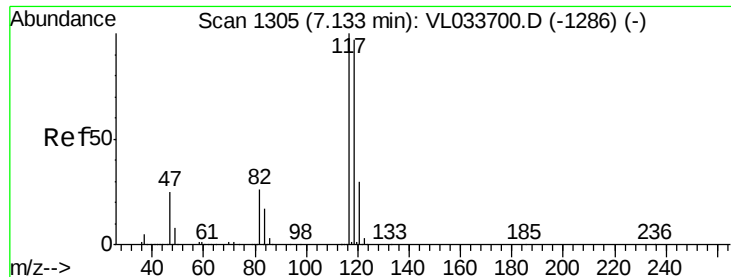
#34
 2-Butanone
 Concen: 0.493 ppbv
 RT: 5.34 min Scan# 746
 Delta R.T. 0.01 min
 Lab File: VL033703.D
 Acq: 17 May 2019 3:56

Tgt Ion: 43 Resp: 83358
 Ion Ratio Lower Upper
 43 100
 72 21.4 17.8 26.6



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





#35

Carbon Tetrachloride

Concen: 0.507 ppbv

RT: 7.13 min Scan# 1304

Delta R.T. -0.00 min

Lab File: VL033703.D

Acq: 17 May 2019 3:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

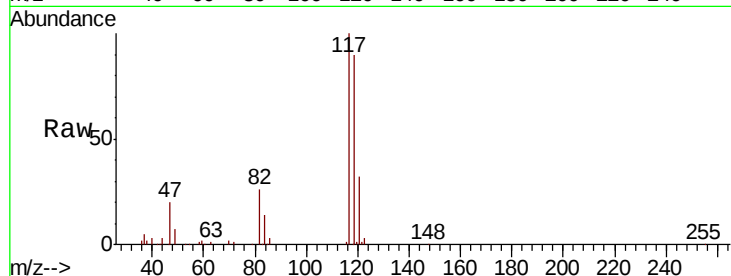
Tgt Ion: 117 Resp: 110047

Ion Ratio Lower Upper

117 100

119 89.7 77.2 115.8

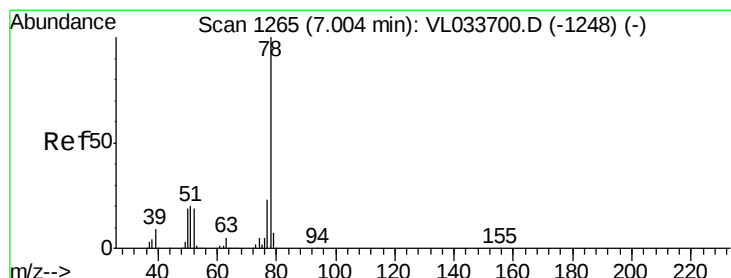
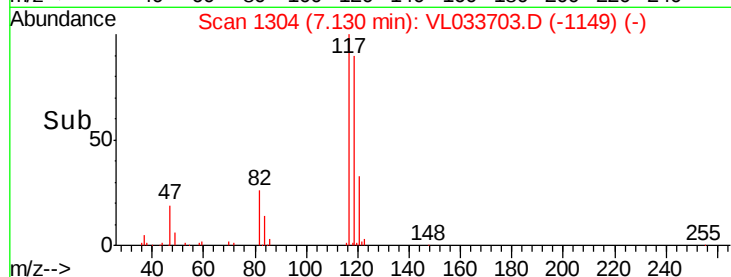
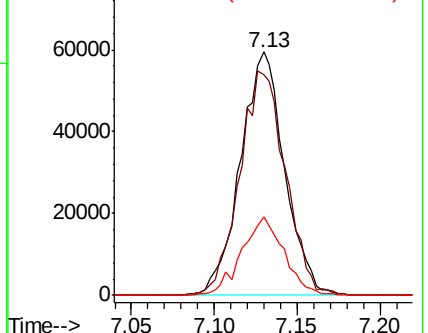
121 33.5 24.1 36.1



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: 0.478 ppbv

RT: 7.00 min Scan# 1263

Delta R.T. -0.01 min

Lab File: VL033703.D

Acq: 17 May 2019 3:56

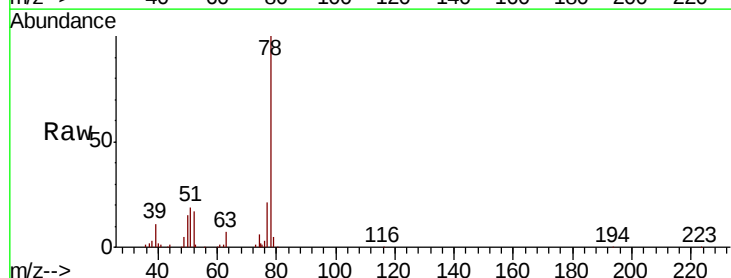
Tgt Ion: 78 Resp: 113904

Ion Ratio Lower Upper

78 100

77 20.9 18.4 27.6

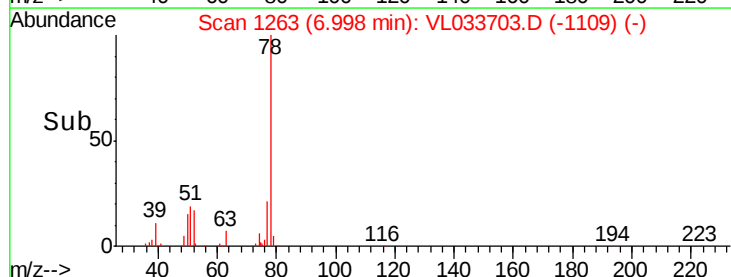
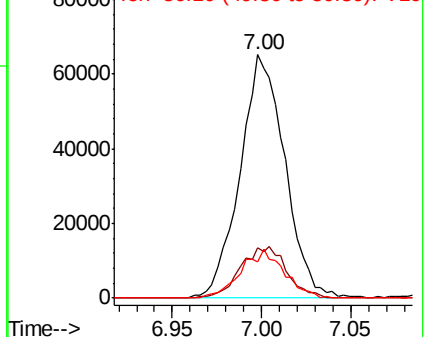
50 14.9 15.5 23.3#

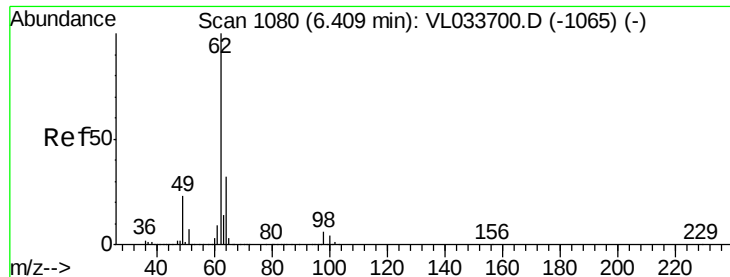


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 0.470 ppbv

RT: 6.41 min Scan# 1079

Delta R.T. -0.00 min

Lab File: VL033703.D

Acq: 17 May 2019 3:56

Instrument :

MSVOA_L

ClientSampleId :

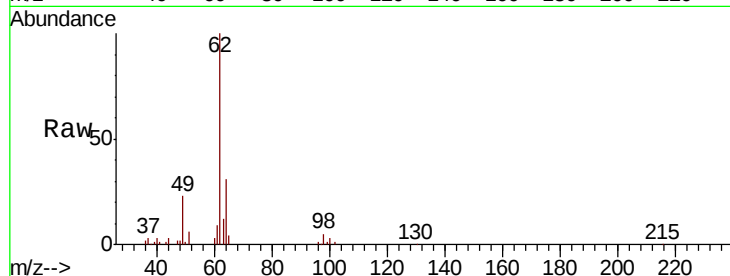
VSTDIC0.5

Tgt Ion: 62 Resp: 78165

Ion Ratio Lower Upper

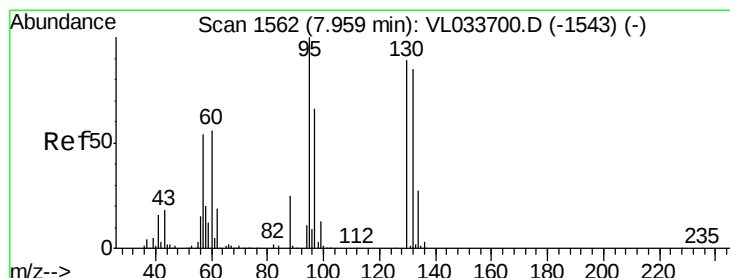
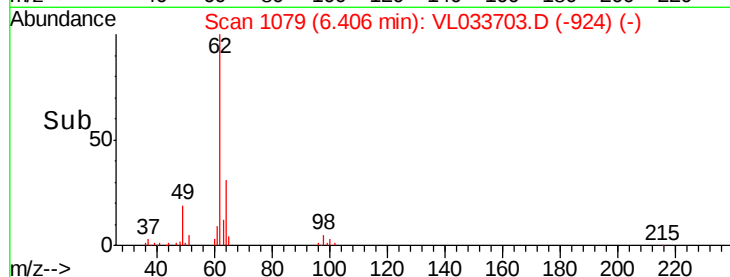
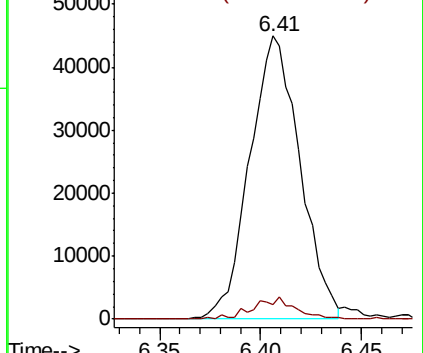
62 100

98 6.5 4.5 6.7



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



#38

Trichloroethene

Concen: 0.508 ppbv

RT: 7.96 min Scan# 1562

Delta R.T. 0.00 min

Lab File: VL033703.D

Acq: 17 May 2019 3:56

Tgt Ion: 130 Resp: 44166

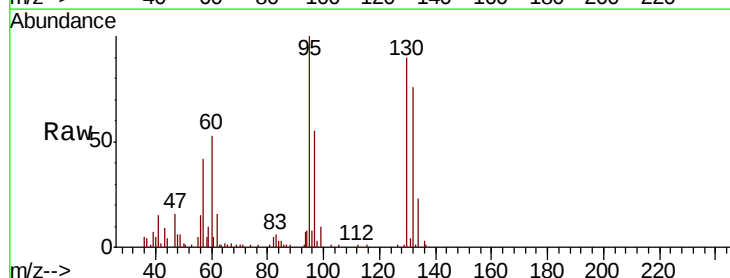
Ion Ratio Lower Upper

130 100

95 111.1 90.2 135.4

132 86.3 76.4 114.6

97 61.0 59.8 89.6

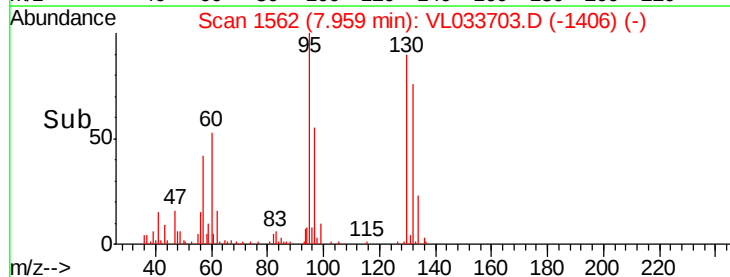
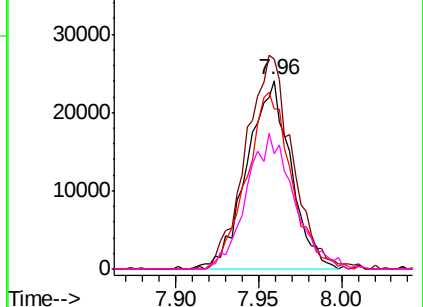


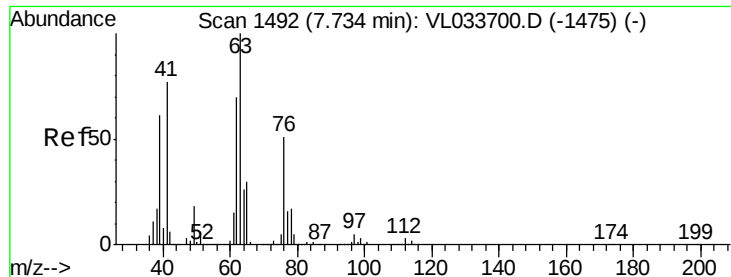
Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0

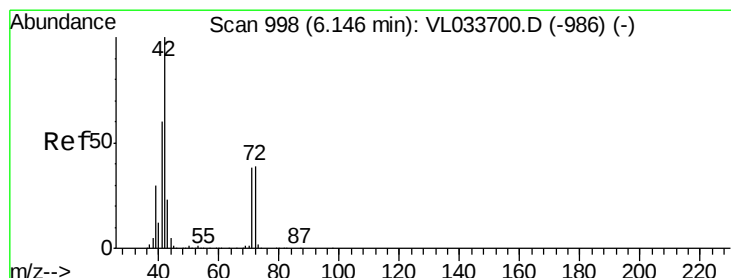
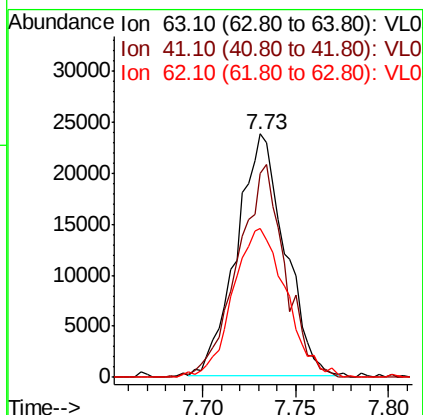
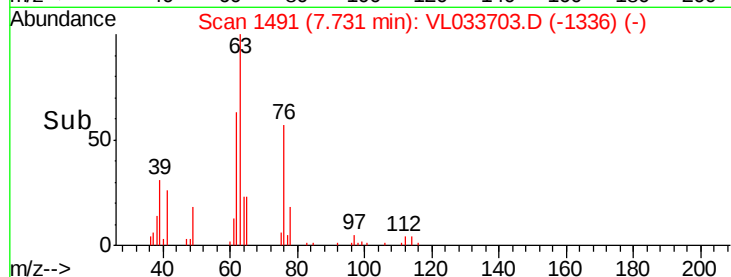
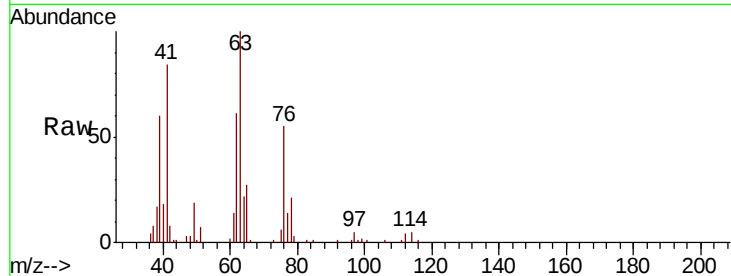




#39
 1,2-Dichloropropane
 Concen: 0.481 ppbv
 RT: 7.73 min Scan# 1491
 Delta R.T. -0.00 min
 Lab File: VL033703.D
 Acq: 17 May 2019 3:56

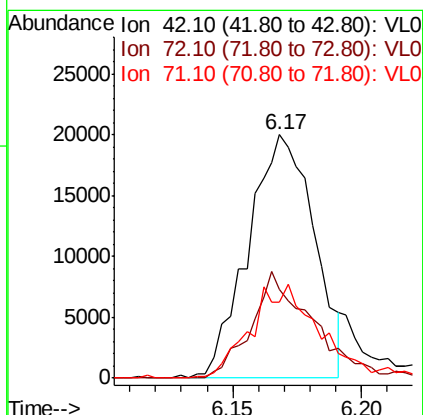
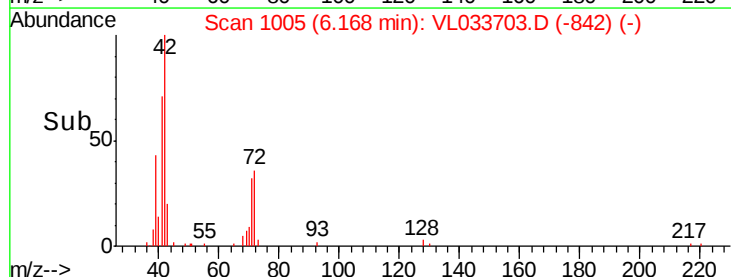
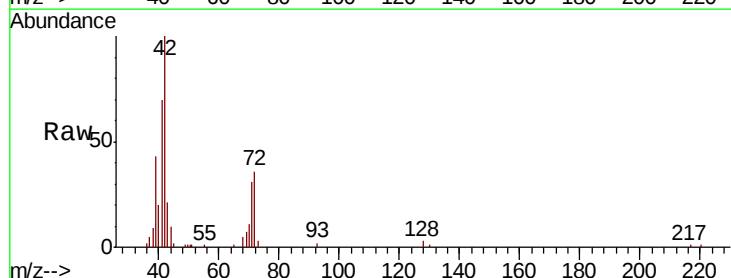
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

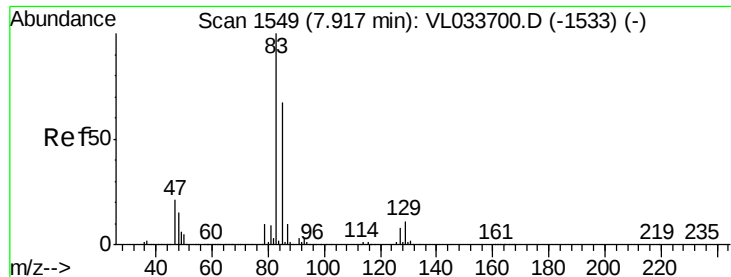
Tgt Ion: 63 Resp: 42734
 Ion Ratio Lower Upper
 63 100
 41 84.6 61.5 92.3
 62 59.3 56.2 84.4



#41
 Tetrahydrofuran
 Concen: 0.403 ppbv
 RT: 6.17 min Scan# 1005
 Delta R.T. 0.02 min
 Lab File: VL033703.D
 Acq: 17 May 2019 3:56

Tgt Ion: 42 Resp: 35686
 Ion Ratio Lower Upper
 42 100
 72 41.2 32.0 48.0
 71 40.9 30.4 45.6





#42

Bromodichloromethane

Concen: 0.472 ppbv

RT: 7.91 min Scan# 1546

Delta R.T. -0.01 min

Lab File: VL033703.D

Acq: 17 May 2019 3:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

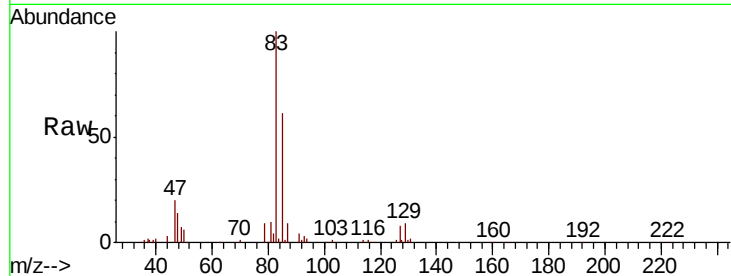
Tgt Ion: 83 Resp: 100886

Ion Ratio Lower Upper

83 100

85 60.6 53.3 79.9

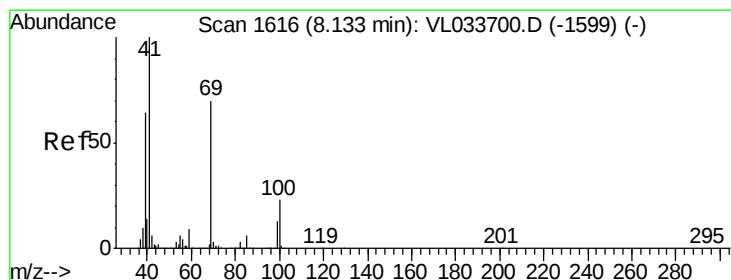
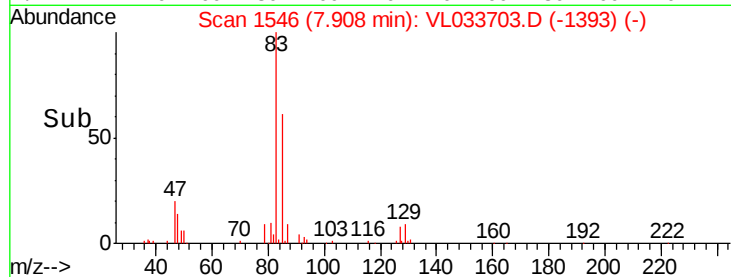
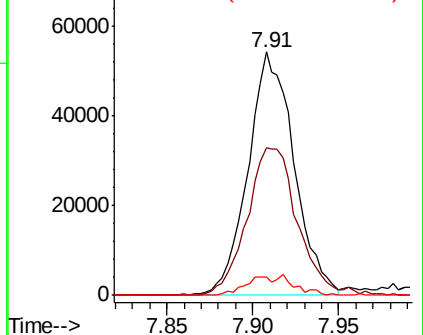
127 8.4 6.5 9.7



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): VL0



#43

Methyl Methacrylate

Concen: 0.399 ppbv

RT: 8.14 min Scan# 1617

Delta R.T. 0.00 min

Lab File: VL033703.D

Acq: 17 May 2019 3:56

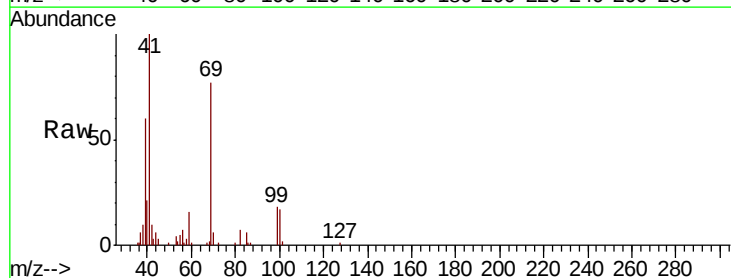
Tgt Ion: 69 Resp: 35717

Ion Ratio Lower Upper

69 100

41 156.4 116.3 174.5

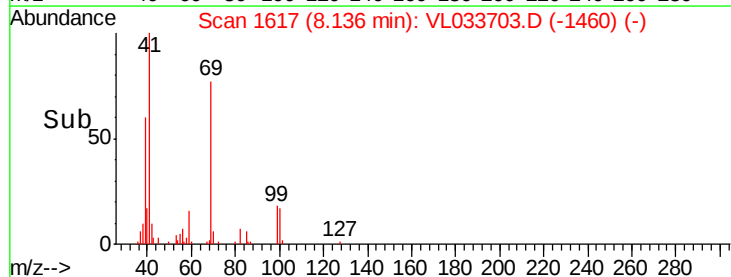
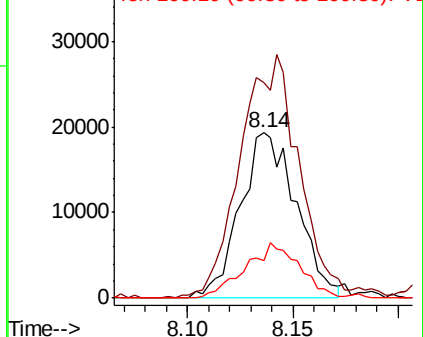
100 32.9 25.3 37.9

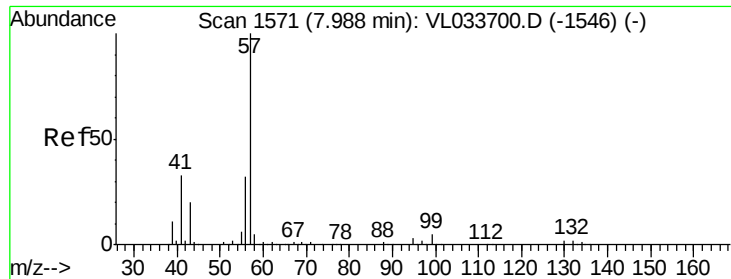


Abundance Ion 69.10 (68.80 to 69.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 100.10 (99.80 to 100.80): VL0





#44

2,2,4-Trimethylpentane

Concen: 0.454 ppbv

RT: 7.99 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VL033703.D

Acq: 17 May 2019 3:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

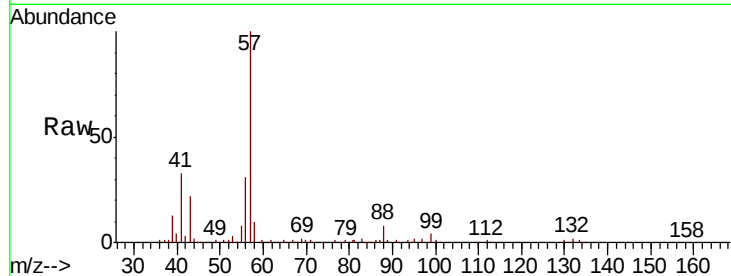
Tgt Ion: 57 Resp: 184880

Ion Ratio Lower Upper

57 100

41 36.4 25.4 38.0

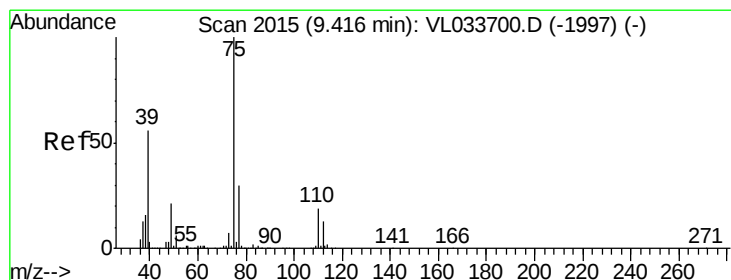
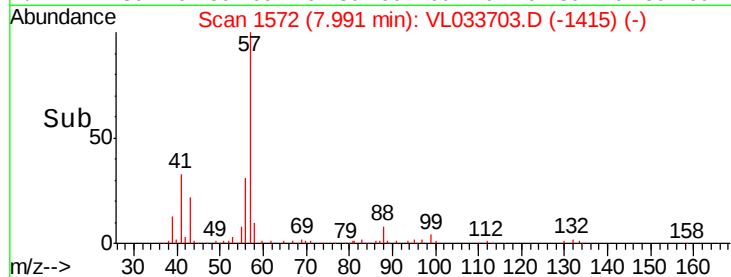
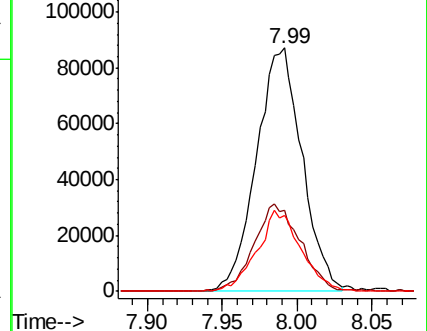
56 32.0 24.7 37.1



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: 0.368 ppbv

RT: 9.41 min Scan# 2013

Delta R.T. -0.01 min

Lab File: VL033703.D

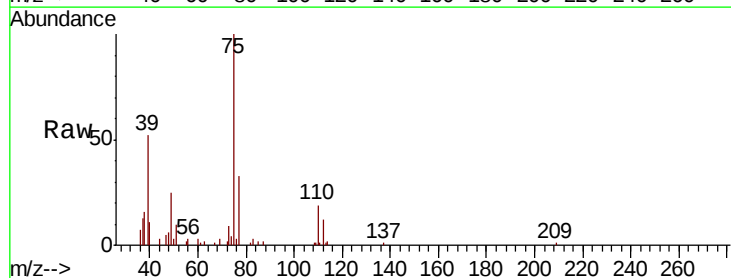
Acq: 17 May 2019 3:56

Tgt Ion: 75 Resp: 40662

Ion Ratio Lower Upper

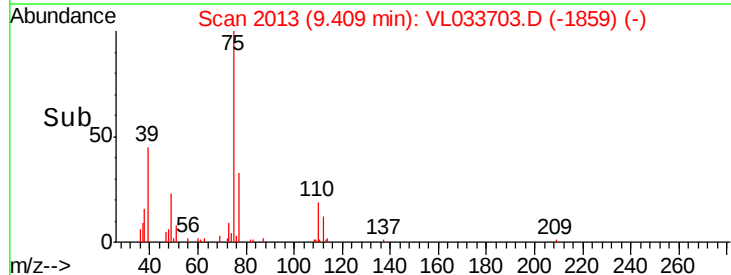
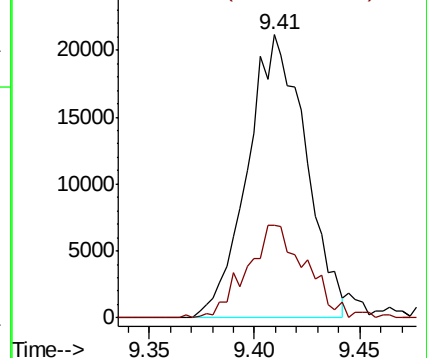
75 100

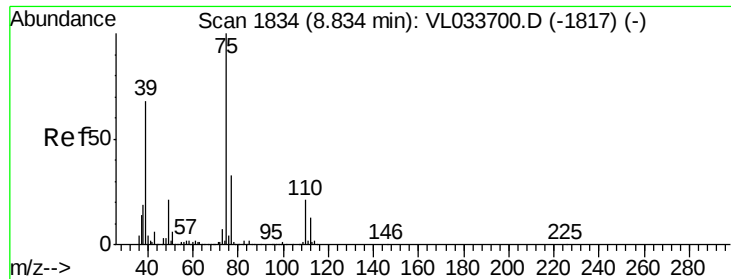
77 32.6 24.4 36.6



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

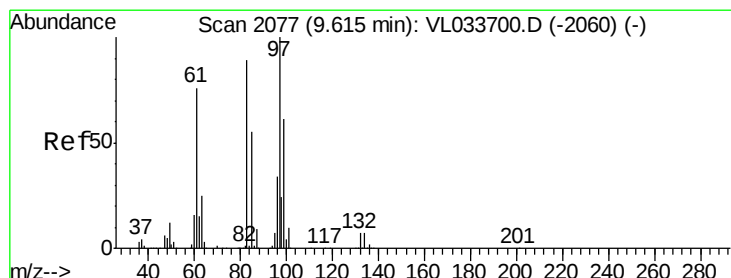
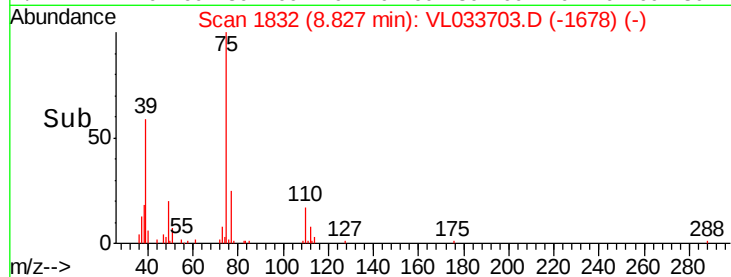
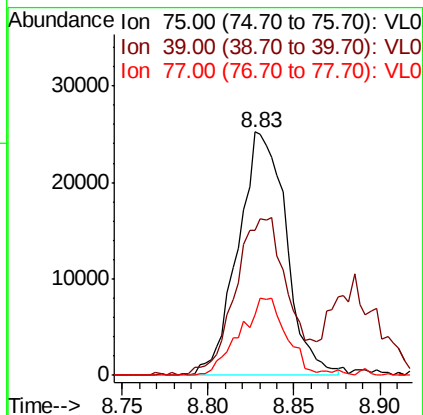
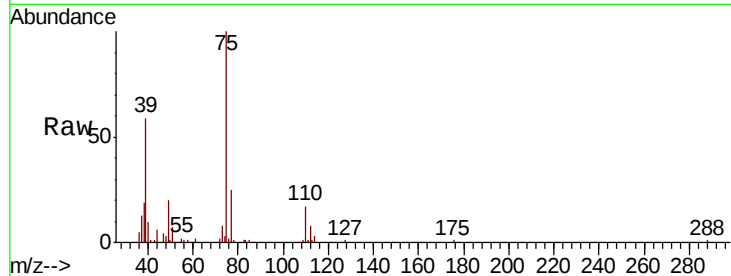




#46
 cis-1,3-Dichloropropene
 Concen: 0.357 ppbv
 RT: 8.83 min Scan# 1832
 Delta R.T. -0.01 min
 Lab File: VL033703.D
 Acq: 17 May 2019 3:56

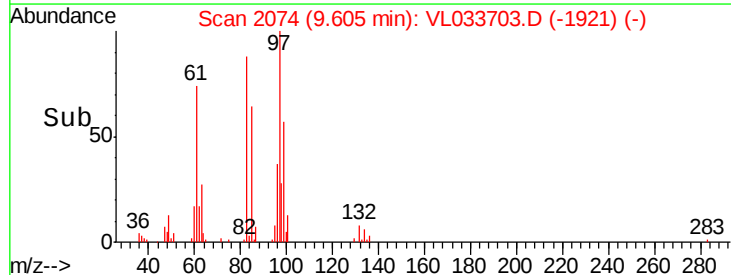
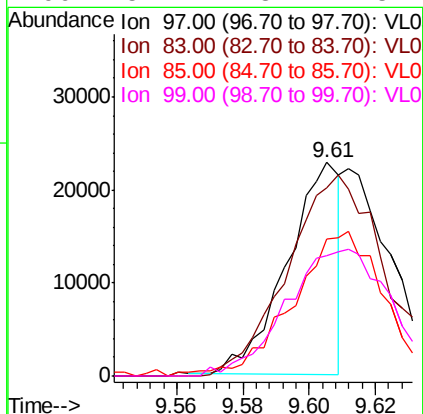
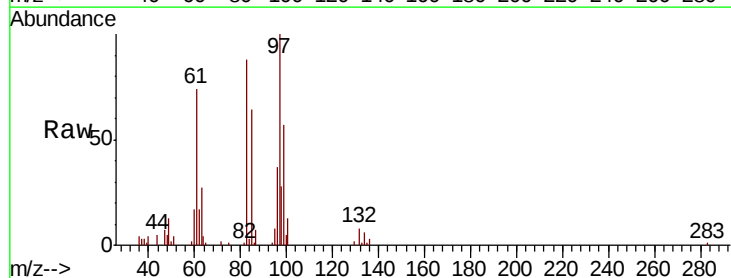
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

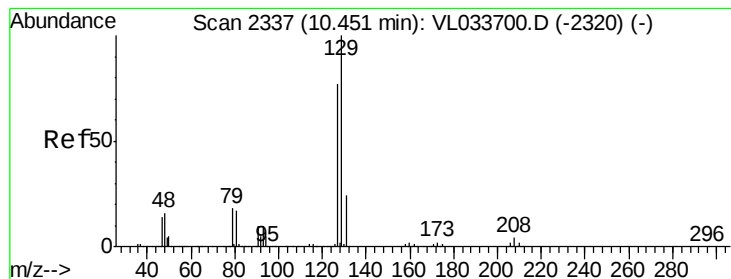
Tgt Ion: 75 Resp: 49000
 Ion Ratio Lower Upper
 75 100
 39 58.8 54.4 81.6
 77 24.7 26.6 39.8#



#47
 1,1,2-Trichloroethane
 Concen: 0.249 ppbv
 RT: 9.61 min Scan# 2074
 Delta R.T. -0.01 min
 Lab File: VL033703.D
 Acq: 17 May 2019 3:56

Tgt Ion: 97 Resp: 25365
 Ion Ratio Lower Upper
 97 100
 83 89.0 70.8 106.2
 85 62.7 43.7 65.5
 99 57.2 48.7 73.1





#48

Dibromochloromethane

Concen: 0.443 ppbv

RT: 10.45 min Scan# 2337

Delta R.T. 0.00 min

Lab File: VL033703.D

Acq: 17 May 2019 3:56

Instrument :

MSVOA_L

ClientSampleId :

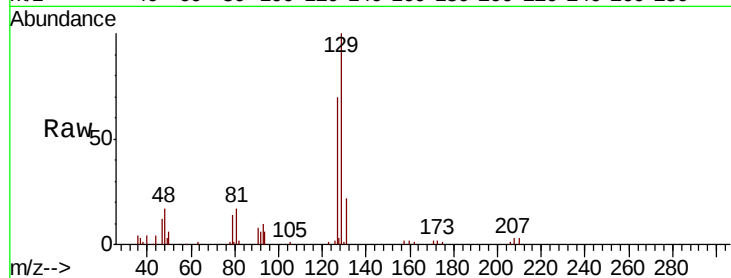
VSTDIC0.5

Tgt Ion:129 Resp: 76845

Ion Ratio Lower Upper

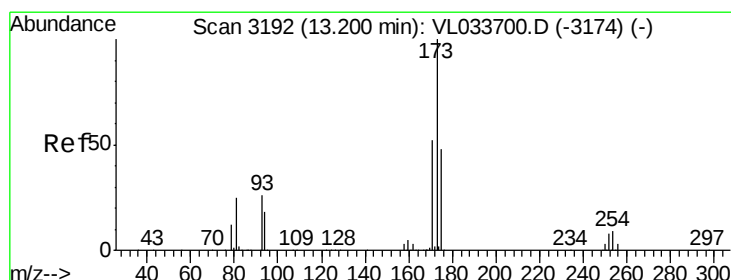
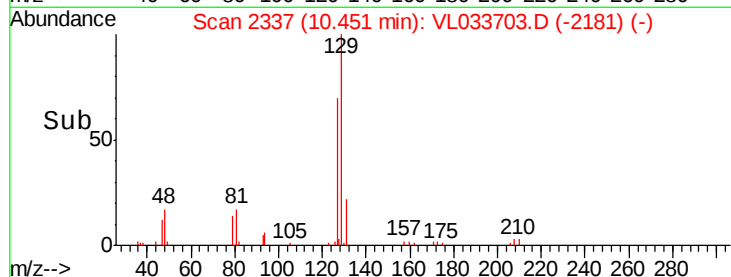
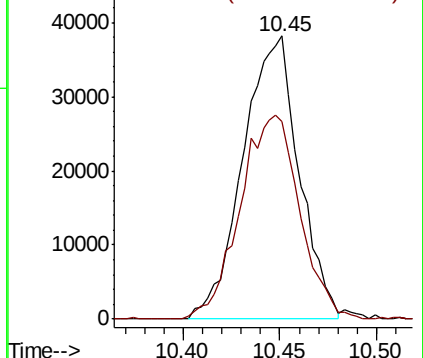
129 100

127 76.9 38.6 116.0



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#49

Bromoform

Concen: 0.405 ppbv

RT: 13.19 min Scan# 3190

Delta R.T. -0.01 min

Lab File: VL033703.D

Acq: 17 May 2019 3:56

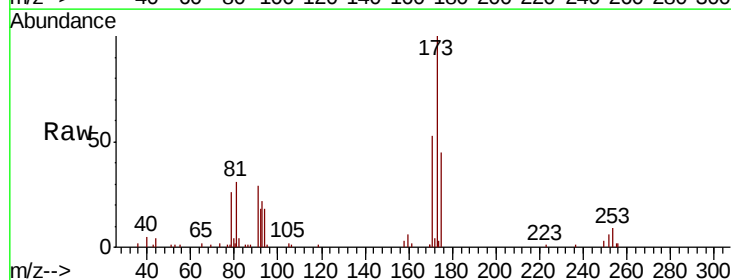
Tgt Ion:173 Resp: 60059

Ion Ratio Lower Upper

173 100

175 49.3 38.6 58.0

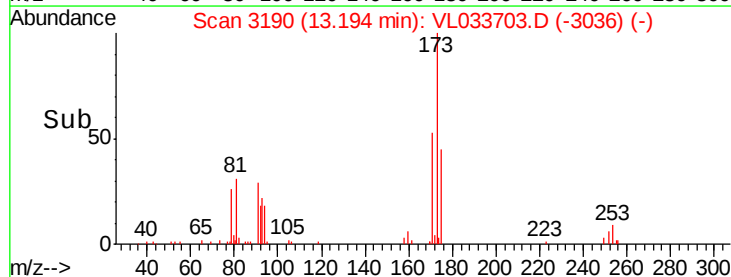
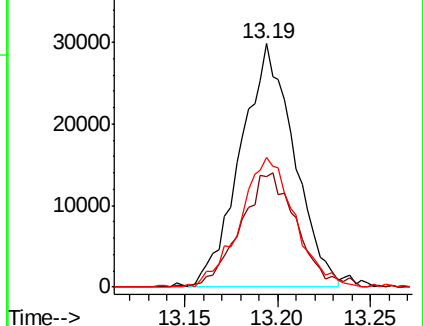
171 54.5 41.5 62.3

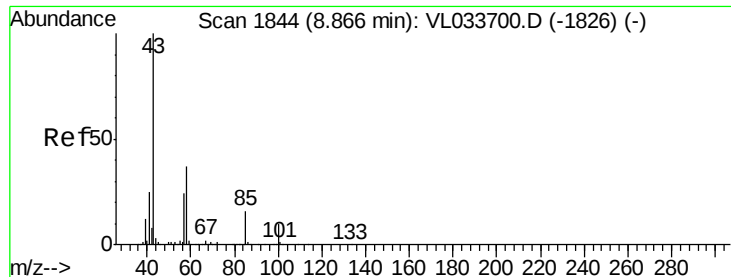


Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V

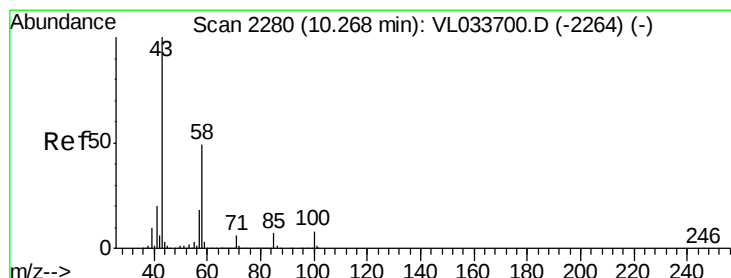
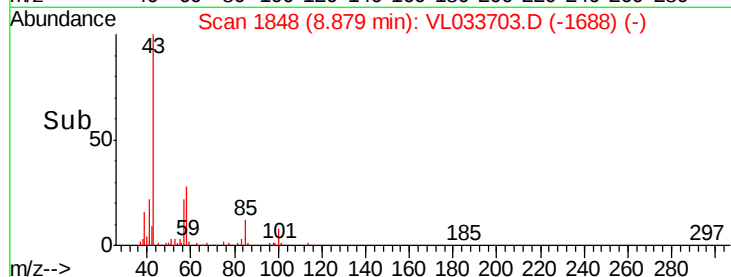
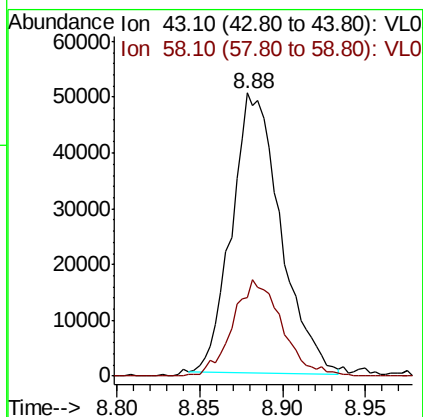
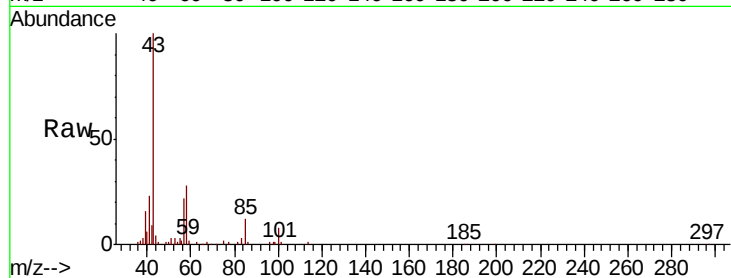




#50
 4-Methyl-2-Pentanone
 Concen: 0.402 ppbv
 RT: 8.88 min Scan# 1848
 Delta R.T. 0.01 min
 Lab File: VL033703.D
 Acq: 17 May 2019 3:56

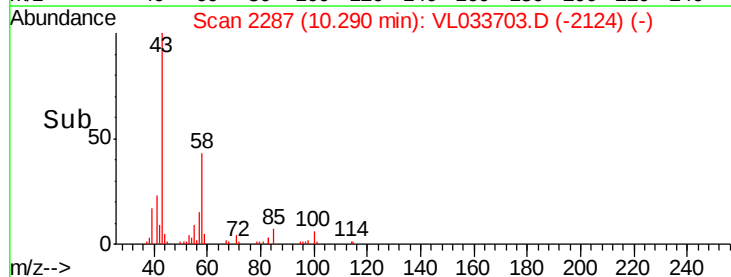
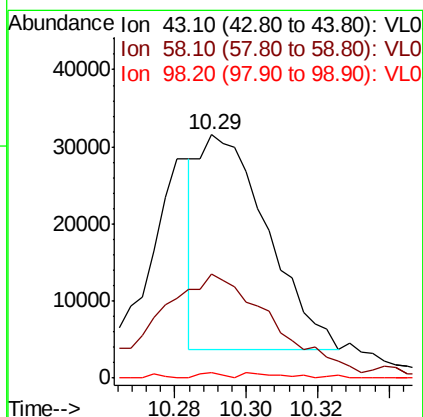
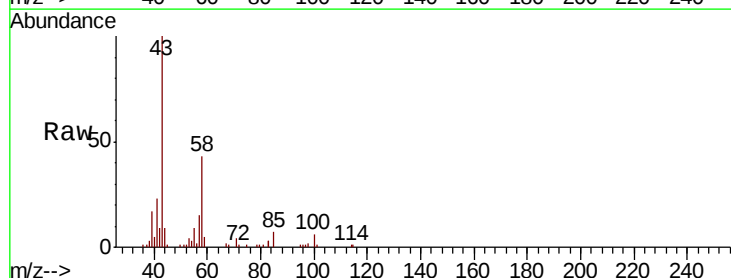
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

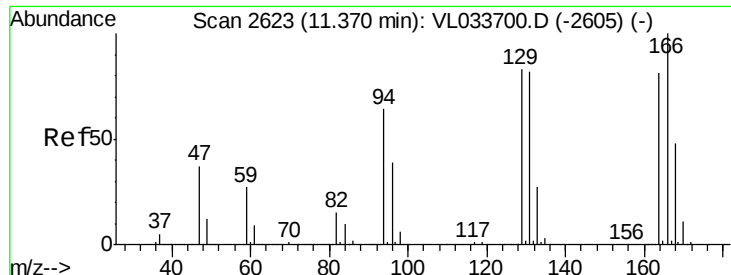
Tgt Ion: 43 Resp: 103127
 Ion Ratio Lower Upper
 43 100
 58 34.5 28.6 43.0



#51
 2-Hexanone
 Concen: 0.187 ppbv
 RT: 10.29 min Scan# 2287
 Delta R.T. 0.02 min
 Lab File: VL033703.D
 Acq: 17 May 2019 3:56

Tgt Ion: 43 Resp: 37310
 Ion Ratio Lower Upper
 43 100
 58 86.3 38.7 58.1#
 98 2.9 0.2 0.4#





#52

Tetrachloroethene

Concen: 0.486 ppbv

RT: 11.37 min Scan# 2622

Delta R.T. -0.00 min

Lab File: VL033703.D

Acq: 17 May 2019 3:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion:164 Resp: 41072

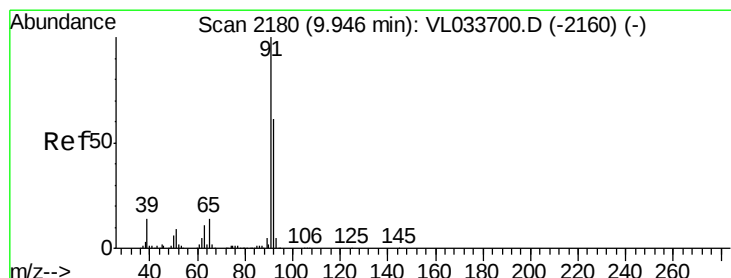
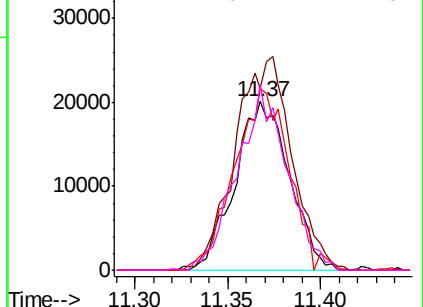
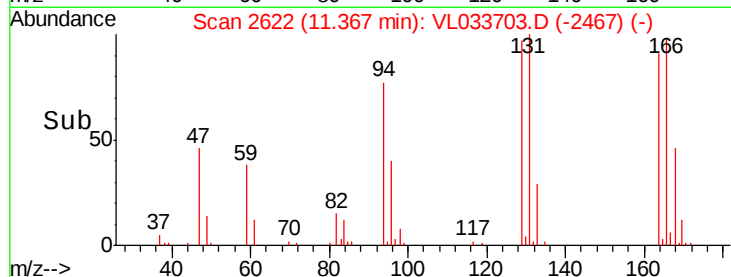
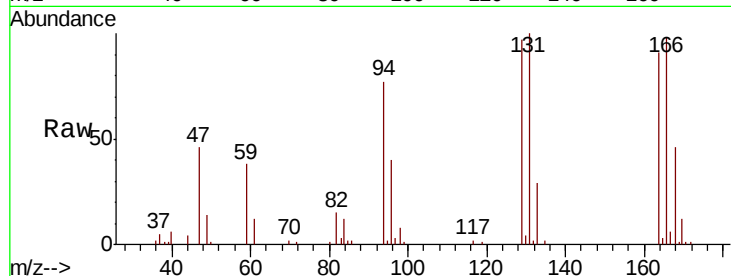
Ion Ratio Lower Upper

164 100

166 107.6 98.9 148.3

129 105.4 81.8 122.6

131 110.1 81.1 121.7



#53

Toluene

Concen: 0.383 ppbv

RT: 9.94 min Scan# 2179

Delta R.T. -0.00 min

Lab File: VL033703.D

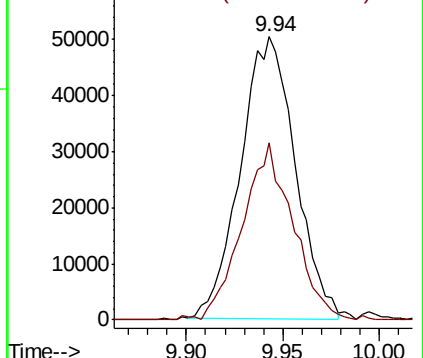
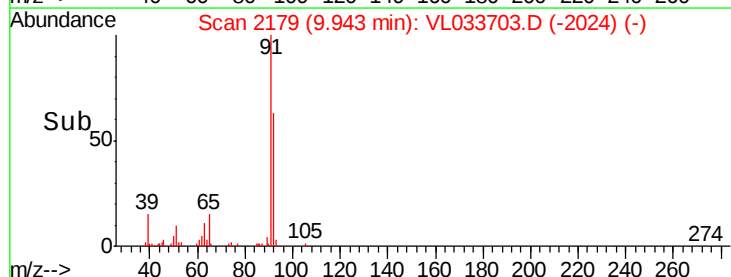
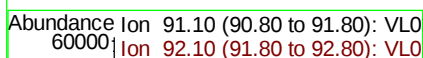
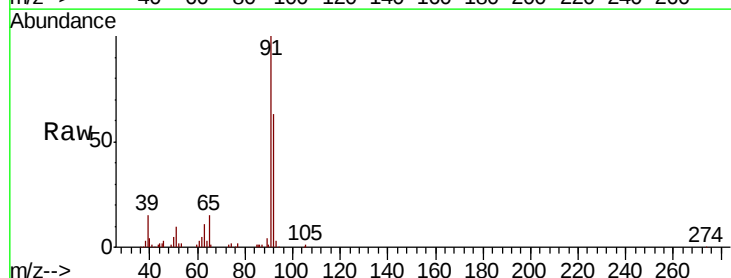
Acq: 17 May 2019 3:56

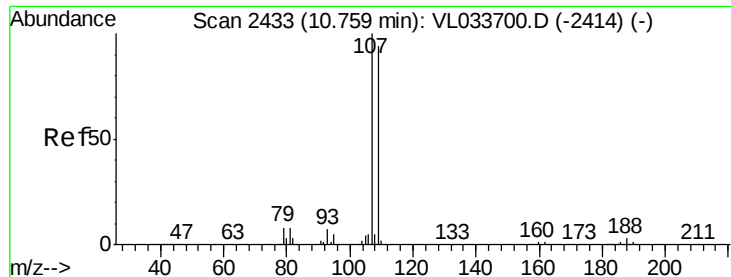
Tgt Ion: 91 Resp: 99005

Ion Ratio Lower Upper

91 100

92 58.5 47.6 71.4

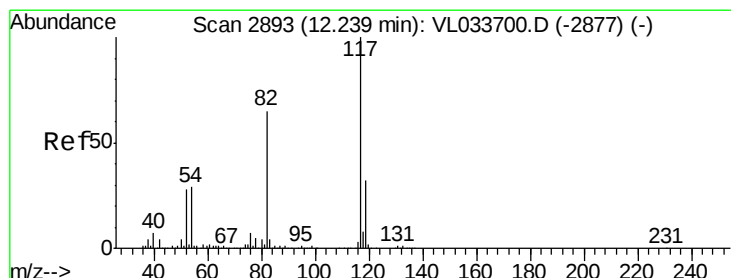
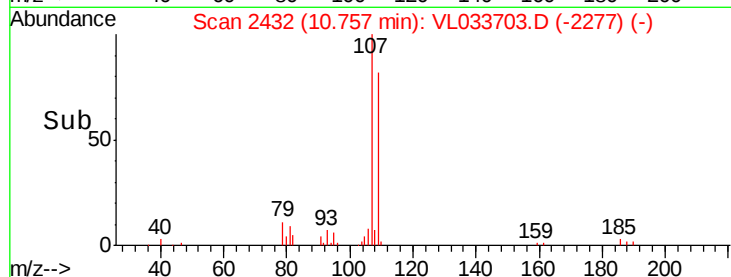
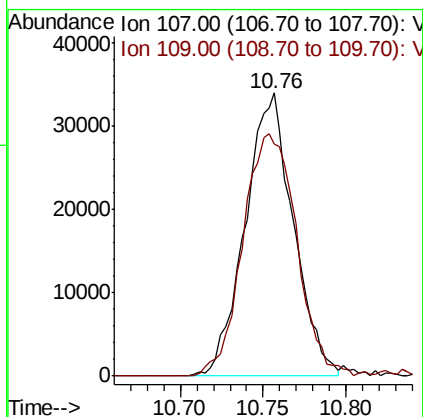
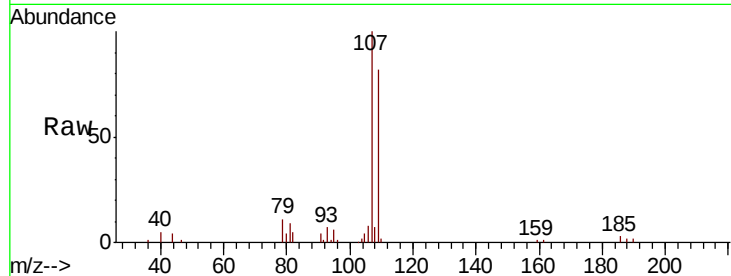




#54
1,2-Dibromoethane
Concen: 0.445 ppbv
RT: 10.76 min Scan# 2432
Delta R.T. -0.00 min
Lab File: VL033703.D
Acq: 17 May 2019 3:56

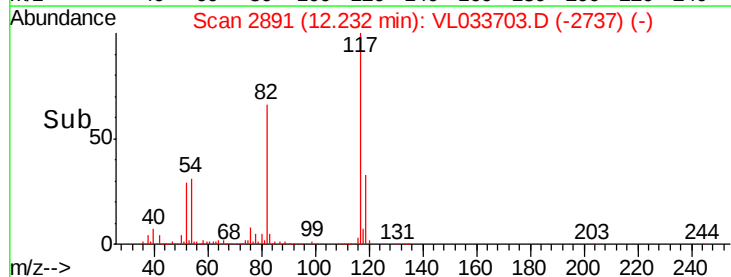
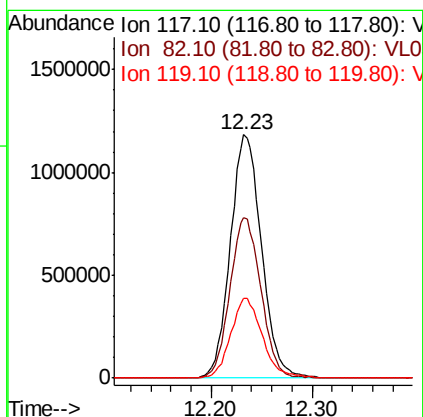
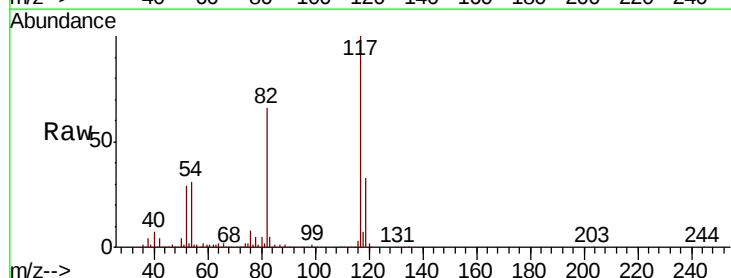
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

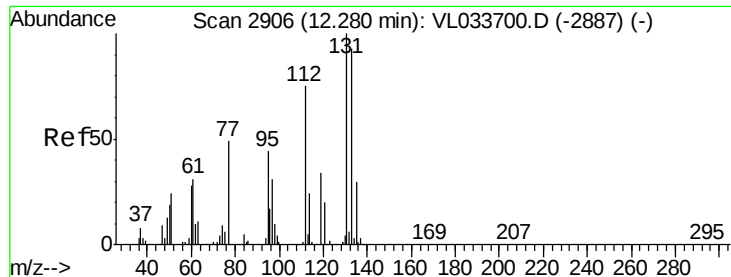
Tgt Ion:107 Resp: 68575
Ion Ratio Lower Upper
107 100
109 82.0 75.2 112.8



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.23 min Scan# 2891
Delta R.T. -0.01 min
Lab File: VL033703.D
Acq: 17 May 2019 3:56

Tgt Ion:117 Resp: 2542103
Ion Ratio Lower Upper
117 100
82 65.7 49.4 74.0
119 33.4 24.9 37.3





#56

1,1,1,2-Tetrachloroethane

Concen: 0.514 ppbv

RT: 12.28 min Scan# 2905

Delta R.T. -0.00 min

Lab File: VL033703.D

Acq: 17 May 2019 3:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

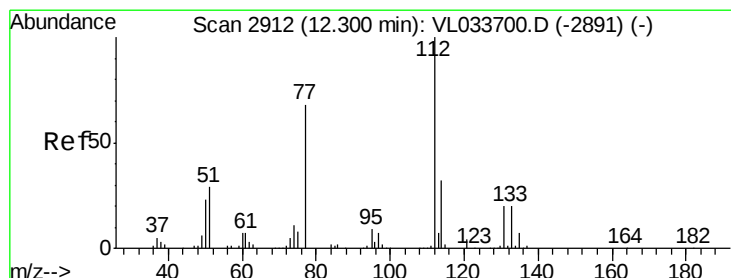
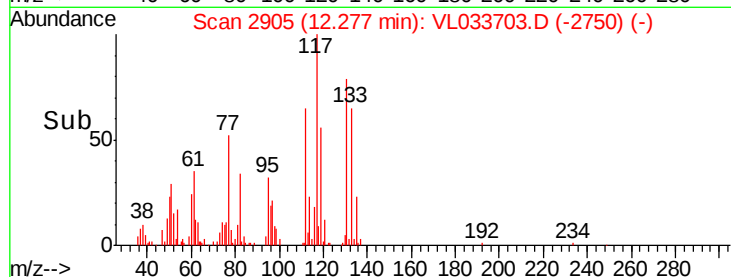
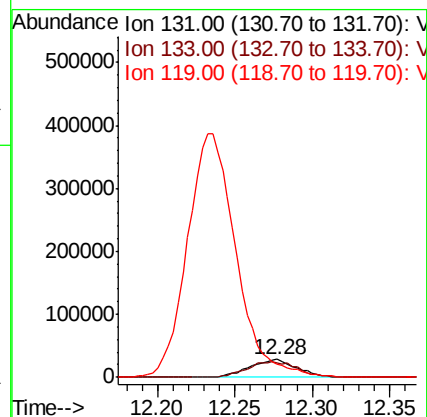
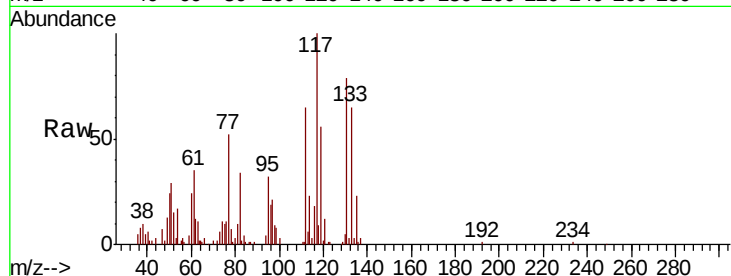
Tgt Ion:131 Resp: 60806

Ion Ratio Lower Upper

131 100

133 93.5 76.6 114.8

119 1394.4 49.0 73.4#



#57

Chlorobenzene

Concen: 0.517 ppbv

RT: 12.30 min Scan# 2911

Delta R.T. -0.00 min

Lab File: VL033703.D

Acq: 17 May 2019 3:56

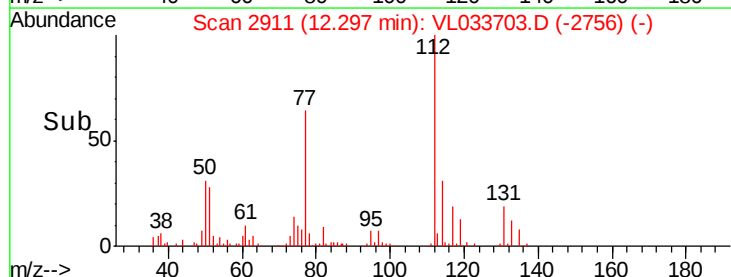
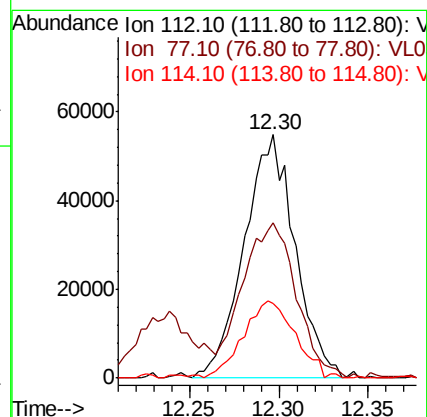
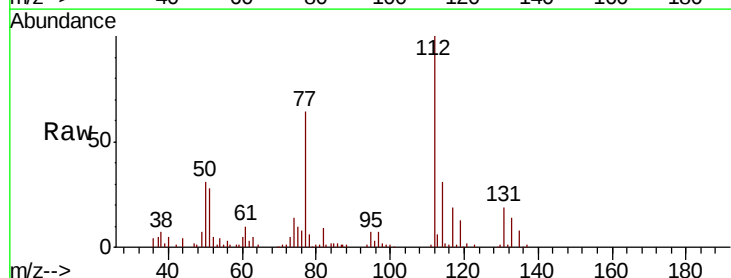
Tgt Ion:112 Resp: 108970

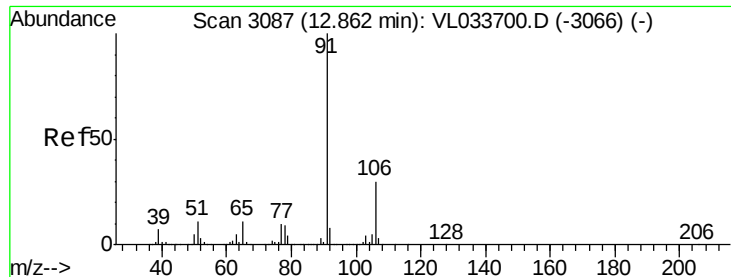
Ion Ratio Lower Upper

112 100

77 58.5 55.4 83.0

114 28.9 29.3 35.8#





#58

Ethyl Benzene

Concen: 0.417 ppbv

RT: 12.86 min Scan# 3086

Delta R.T. -0.00 min

Lab File: VL033703.D

Acq: 17 May 2019 3:56

Instrument :

MSVOA_L

ClientSampleId :

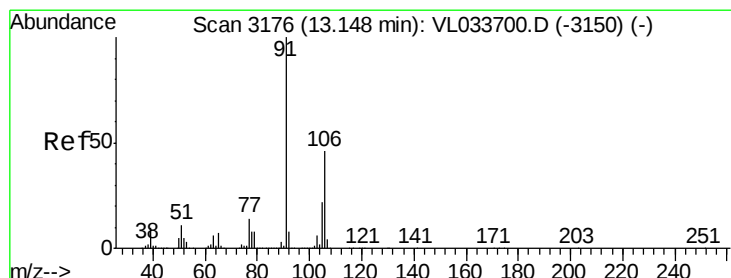
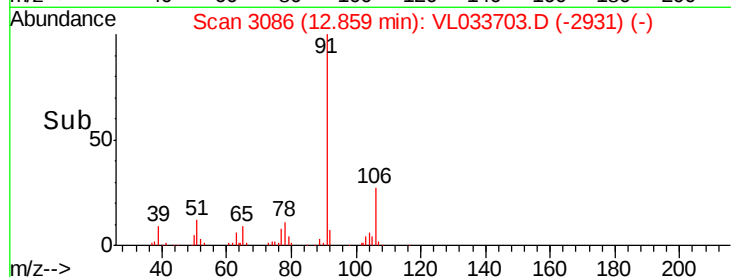
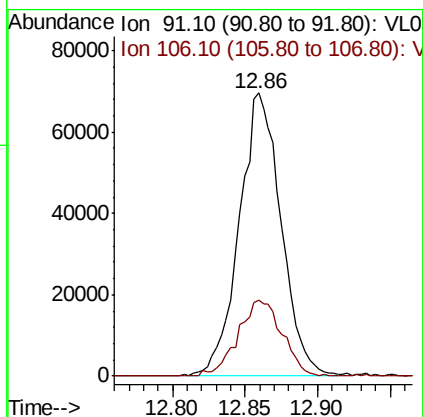
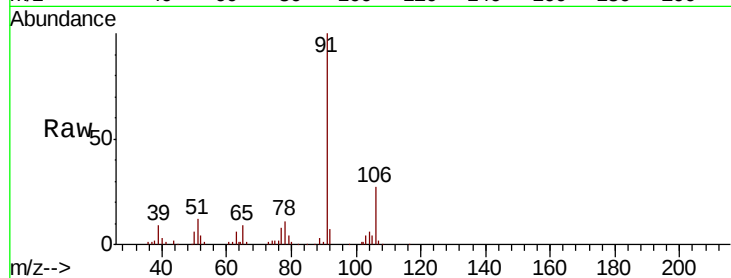
VSTDIC0.5

Tgt Ion: 91 Resp: 139518

Ion Ratio Lower Upper

91 100

106 26.7 23.9 35.9



#59

m/p-Xylene

Concen: 0.437 ppbv

RT: 13.15 min Scan# 3175

Delta R.T. -0.00 min

Lab File: VL033703.D

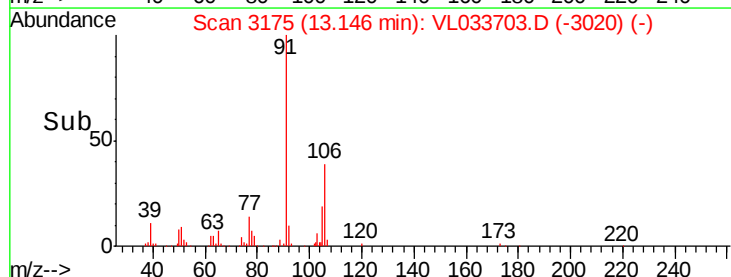
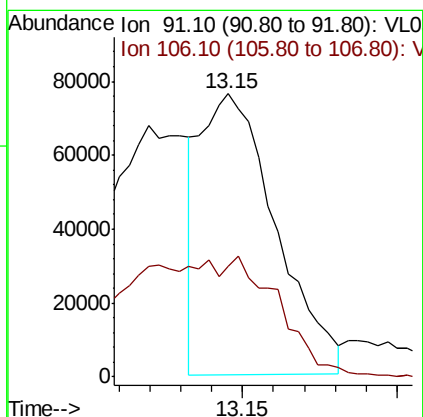
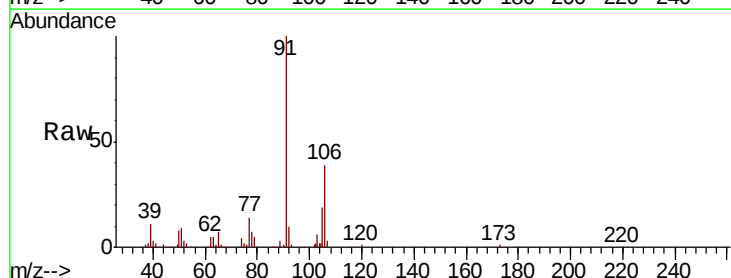
Acq: 17 May 2019 3:56

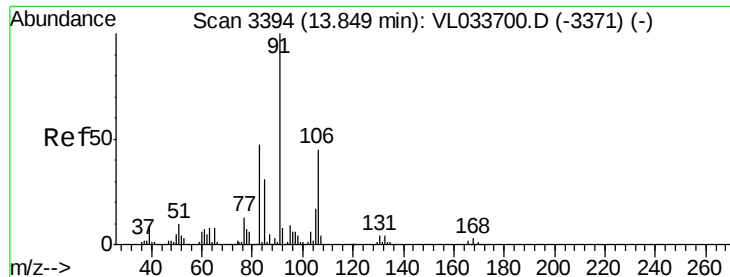
Tgt Ion: 91 Resp: 128939

Ion Ratio Lower Upper

91 100

106 89.4 35.8 53.6#

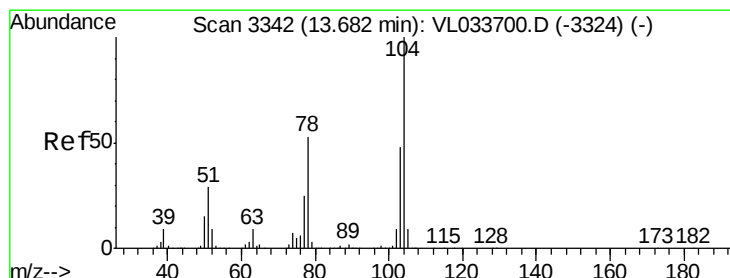
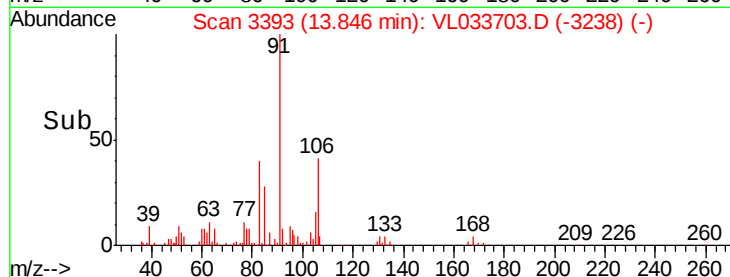
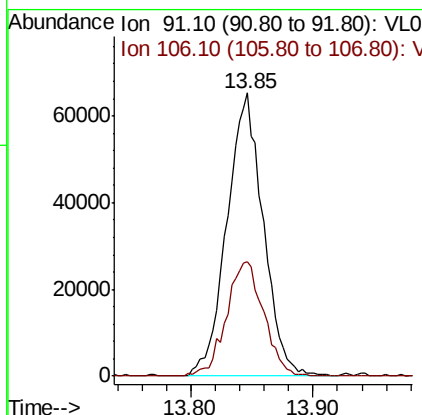
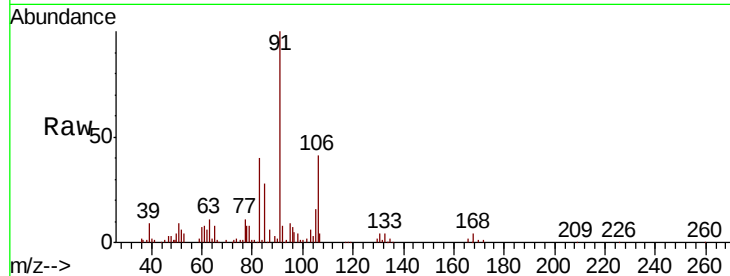




#60
o-Xylene
Concen: 0.454 ppbv
RT: 13.85 min Scan# 3393
Delta R.T. -0.00 min
Lab File: VL033703.D
Acq: 17 May 2019 3:56

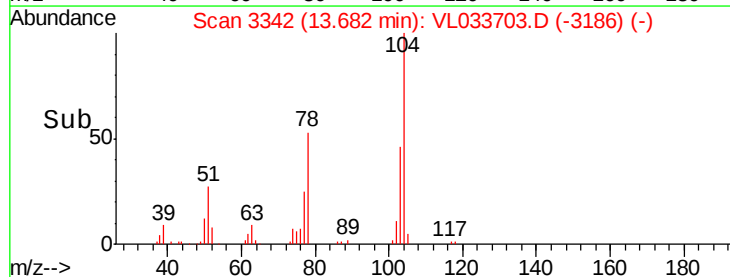
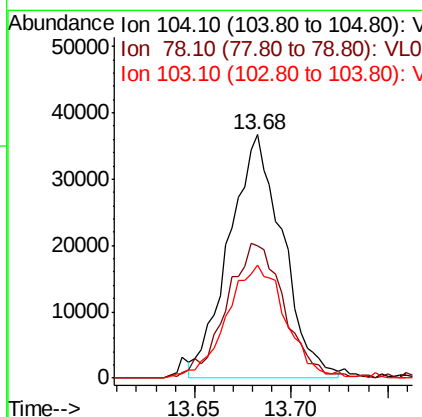
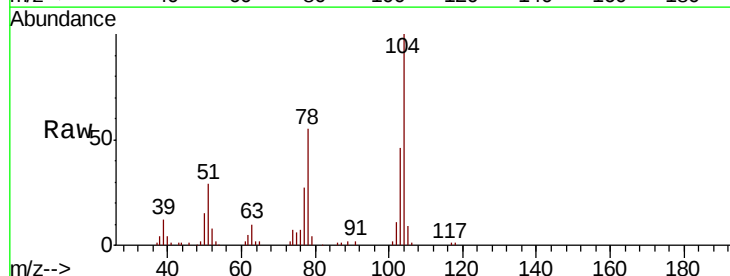
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

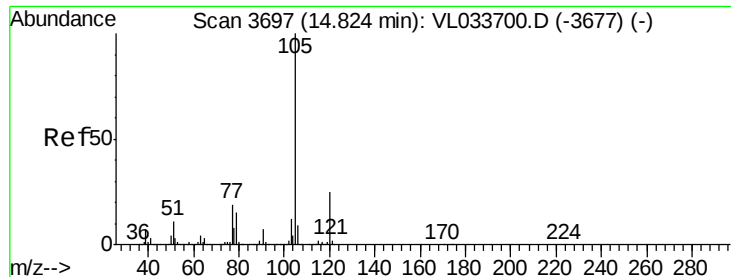
Tgt Ion: 91 Resp: 135045
Ion Ratio Lower Upper
91 100
106 41.5 21.6 64.8



#61
Styrene
Concen: 0.355 ppbv
RT: 13.68 min Scan# 3342
Delta R.T. 0.00 min
Lab File: VL033703.D
Acq: 17 May 2019 3:56

Tgt Ion: 104 Resp: 70552
Ion Ratio Lower Upper
104 100
78 60.0 42.6 64.0
103 51.3 37.8 56.6





#62

Isopropylbenzene

Concen: 0.451 ppbv

RT: 14.82 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VL033703.D

Acq: 17 May 2019 3:56

Instrument :

MSVOA_L

ClientSampleId :

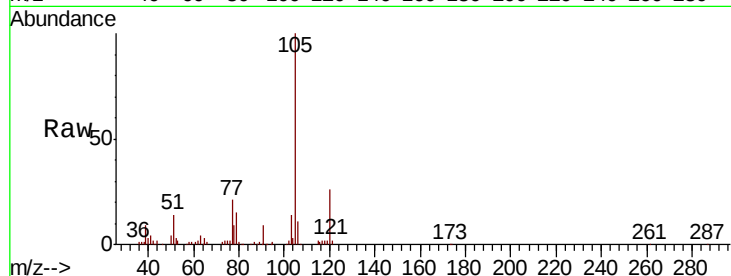
VSTDIC0.5

Tgt Ion: 105 Resp: 183613

Ion Ratio Lower Upper

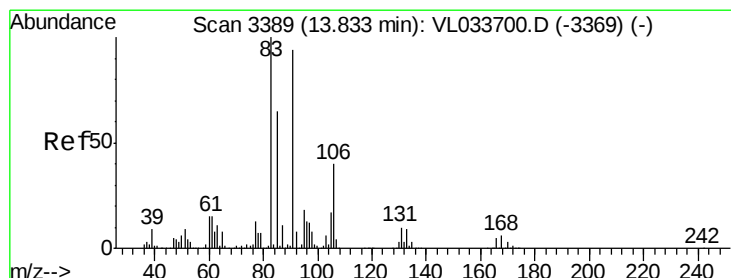
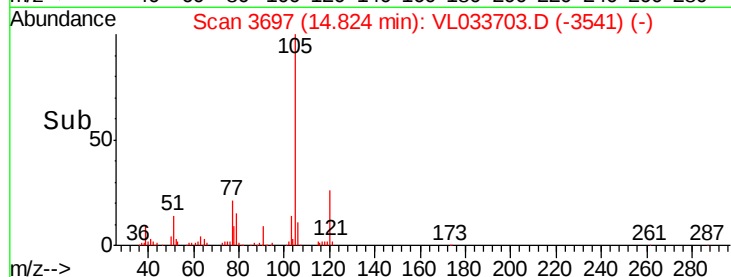
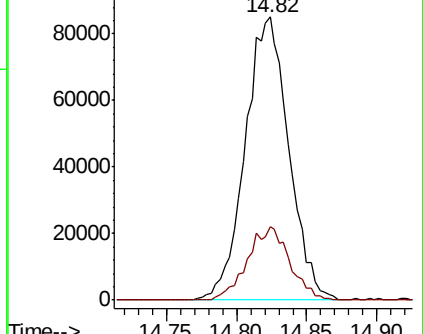
105 100

120 25.0 20.1 30.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#63

1,1,2,2-Tetrachloroethane

Concen: 0.523 ppbv

RT: 13.83 min Scan# 3387

Delta R.T. -0.01 min

Lab File: VL033703.D

Acq: 17 May 2019 3:56

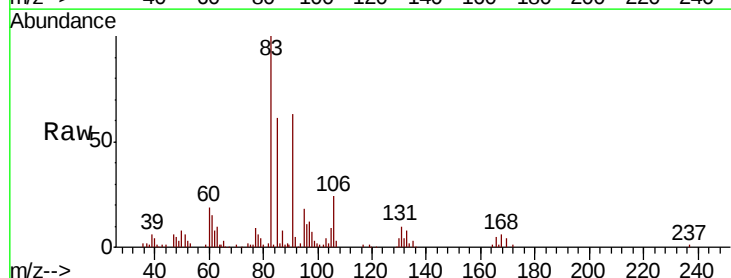
Tgt Ion: 83 Resp: 113028

Ion Ratio Lower Upper

83 100

131 9.8 4.8 14.3

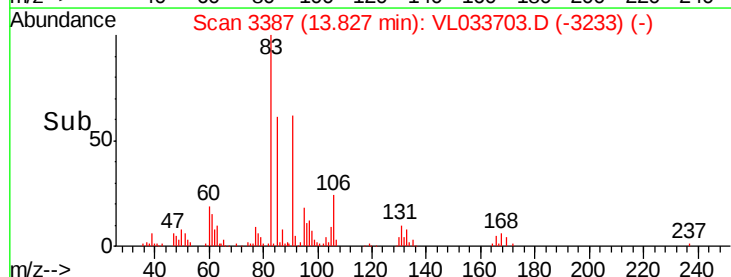
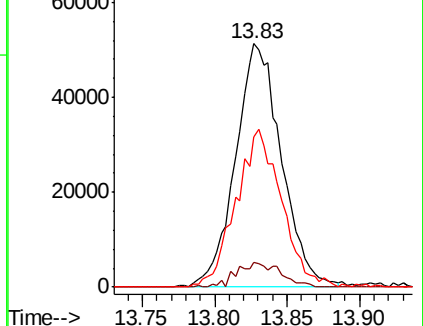
85 64.1 32.3 96.9

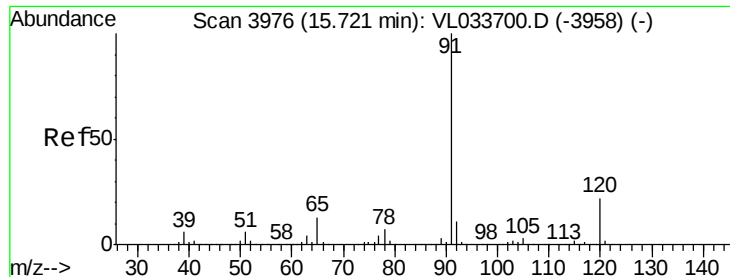


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0





#64

n-propylbenzene

Concen: 0.425 ppbv

RT: 15.72 min Scan# 3976

Delta R.T. 0.00 min

Lab File: VL033703.D

Acq: 17 May 2019 3:56

Instrument :

MSVOA_L

ClientSampleId :

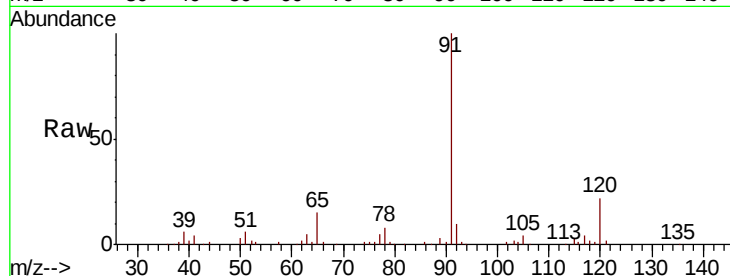
VSTDIC0.5

Tgt Ion:120 Resp: 44635

Ion Ratio Lower Upper

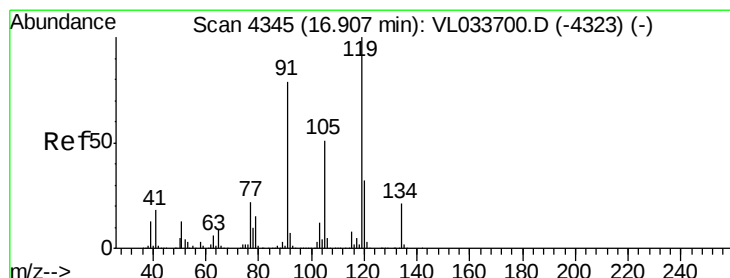
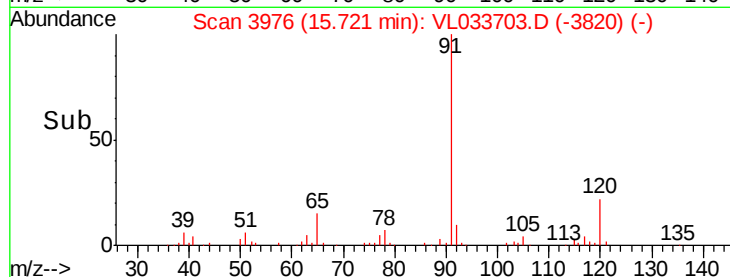
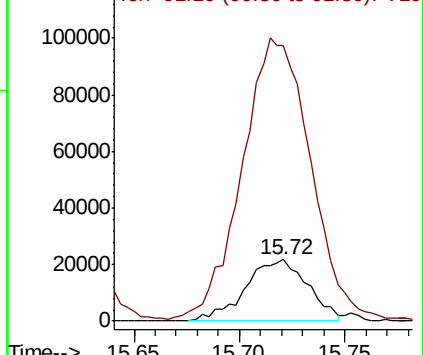
120 100

91 514.4 379.1 568.7



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0



#65

tert-Butylbenzene

Concen: 0.419 ppbv

RT: 16.90 min Scan# 4344

Delta R.T. -0.00 min

Lab File: VL033703.D

Acq: 17 May 2019 3:56

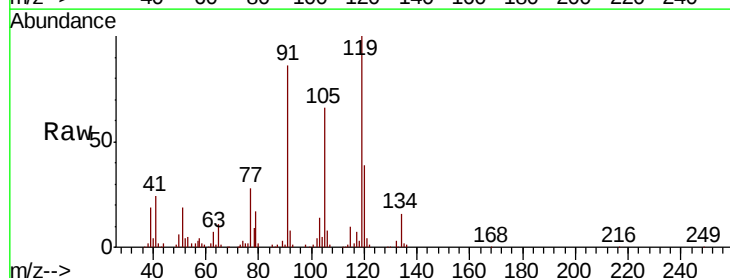
Tgt Ion:119 Resp: 156318

Ion Ratio Lower Upper

119 100

91 90.6 65.3 97.9

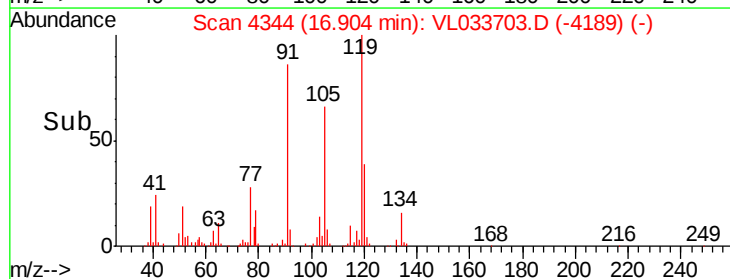
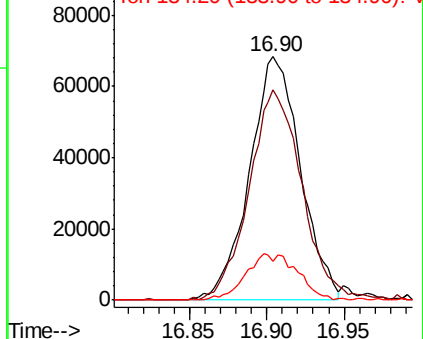
134 19.7 15.7 23.5

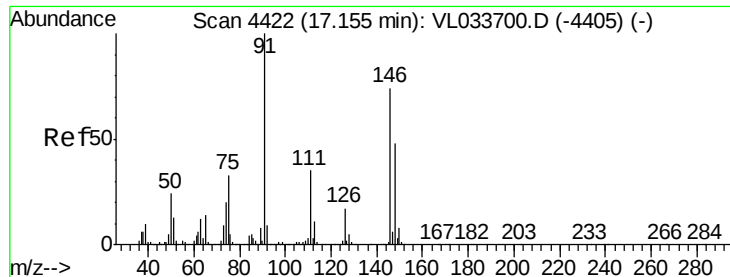


Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V

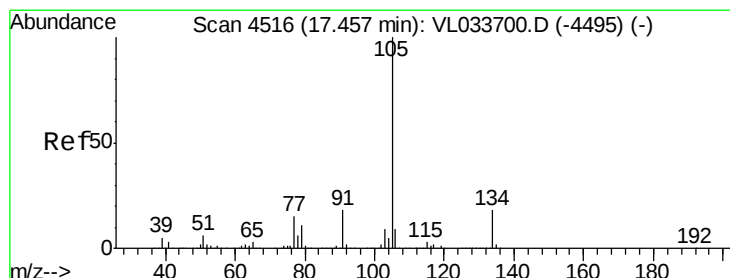
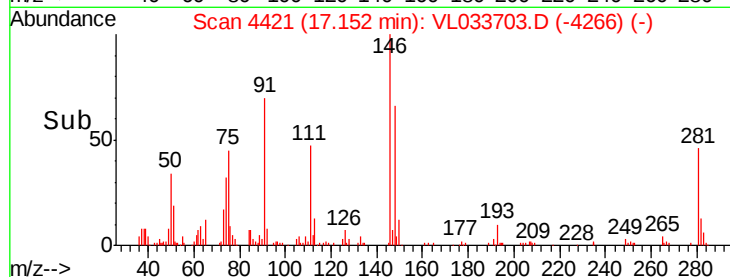
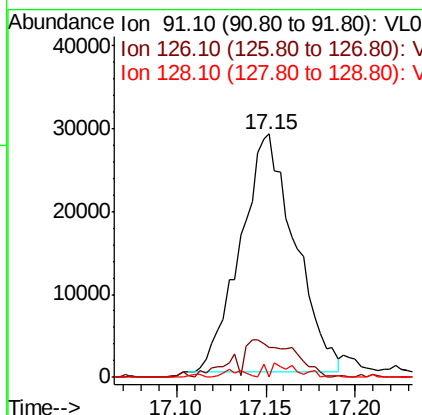
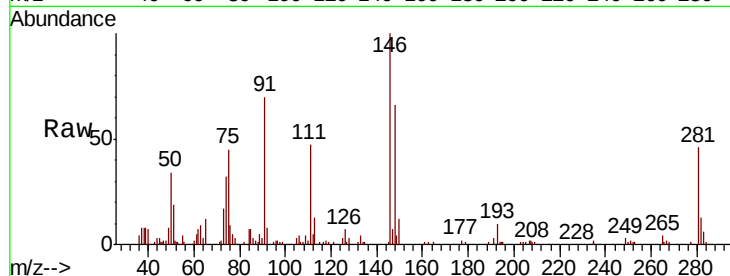




#66
Benzyl Chloride
Concen: 0.356 ppbv
RT: 17.15 min Scan# 4421
Delta R.T. -0.00 min
Lab File: VL033703.D
Acq: 17 May 2019 3:56

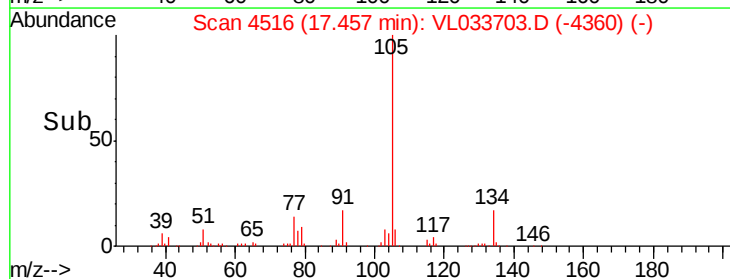
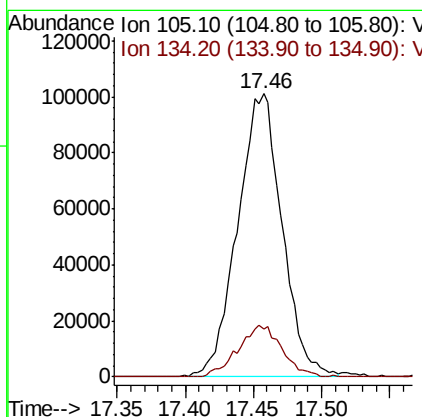
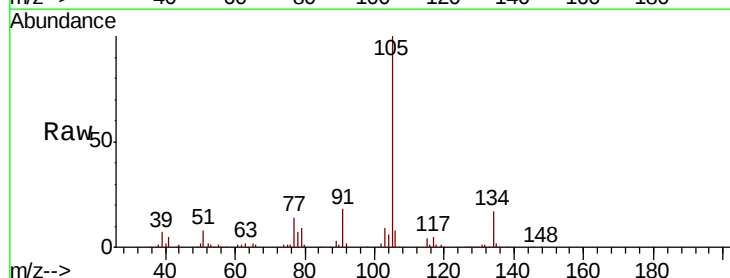
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

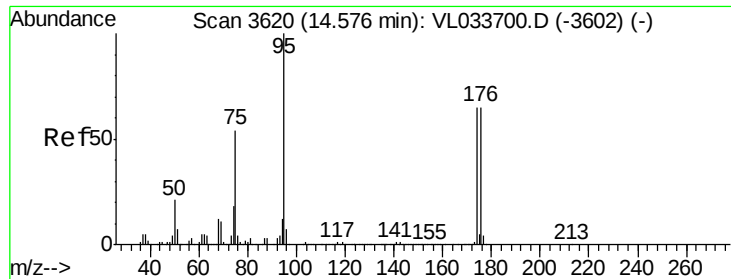
Tgt Ion: 91 Resp: 60788
Ion Ratio Lower Upper
91 100
126 17.2 13.5 20.3
128 4.8 4.3 6.5



#67
sec-Butylbenzene
Concen: 0.435 ppbv
RT: 17.46 min Scan# 4516
Delta R.T. 0.00 min
Lab File: VL033703.D
Acq: 17 May 2019 3:56

Tgt Ion: 105 Resp: 226379
Ion Ratio Lower Upper
105 100
134 18.0 14.6 22.0

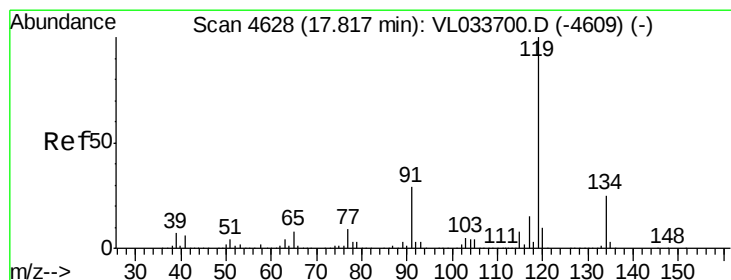
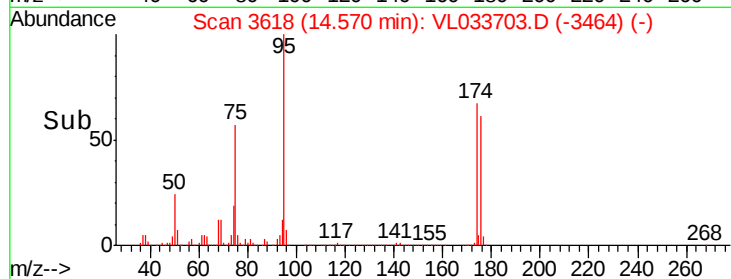
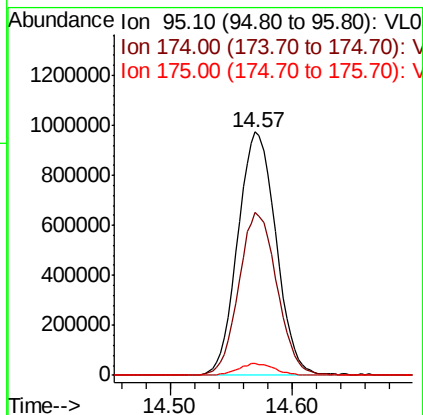
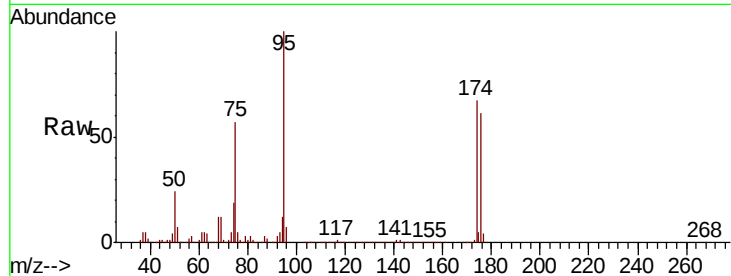




#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.124 ppbv
 RT: 14.57 min Scan# 3618
 Delta R.T. -0.01 min
 Lab File: VL033703.D
 Acq: 17 May 2019 3:56

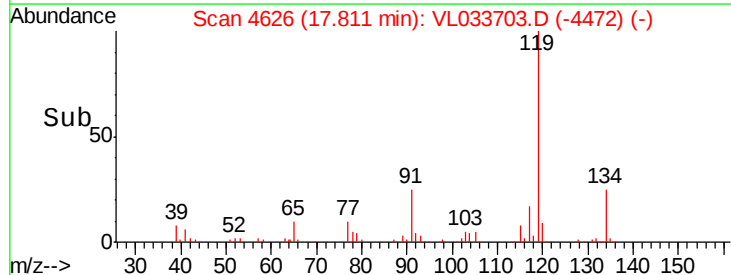
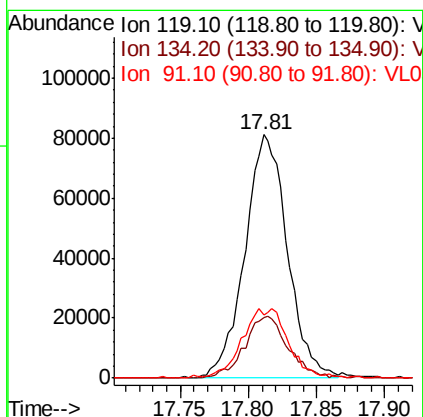
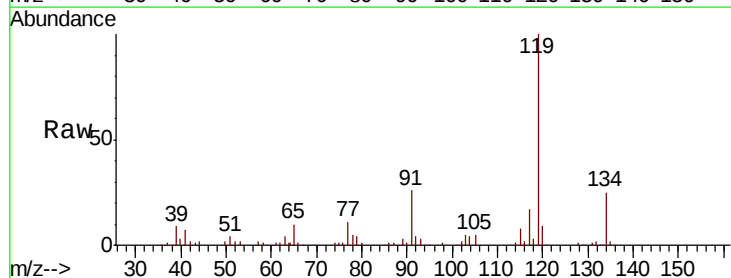
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

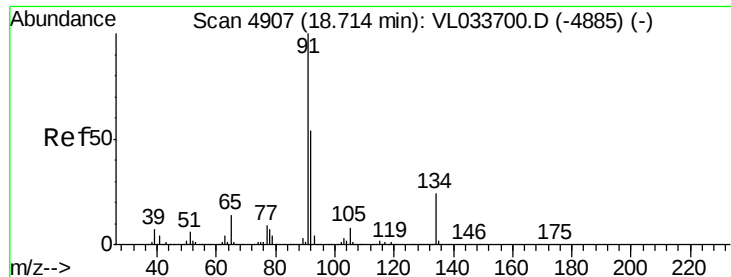
Tgt Ion: 95 Resp: 2109749
 Ion Ratio Lower Upper
 95 100
 174 66.8 53.9 80.9
 175 4.7 3.8 5.8



#69
 p-Isopropyltoluene
 Concen: 0.409 ppbv
 RT: 17.81 min Scan# 4626
 Delta R.T. -0.01 min
 Lab File: VL033703.D
 Acq: 17 May 2019 3:56

Tgt Ion: 119 Resp: 175586
 Ion Ratio Lower Upper
 119 100
 134 26.0 20.3 30.5
 91 31.3 23.1 34.7

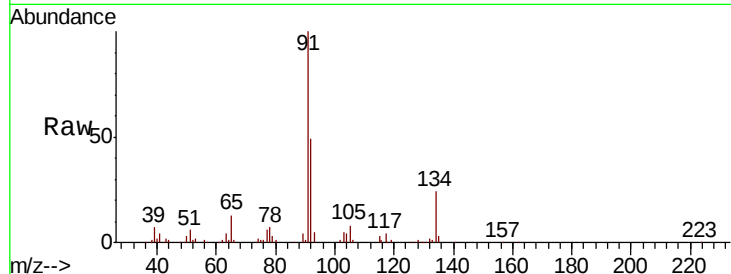




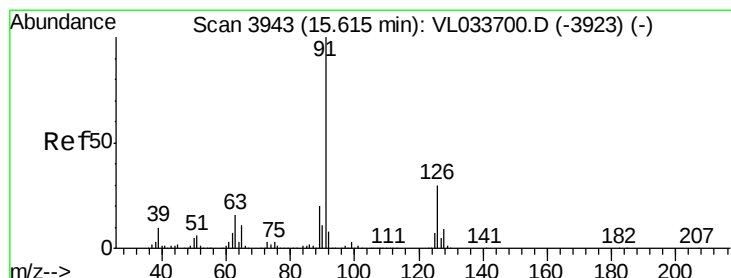
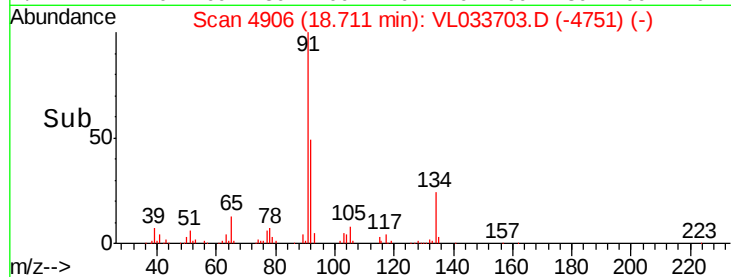
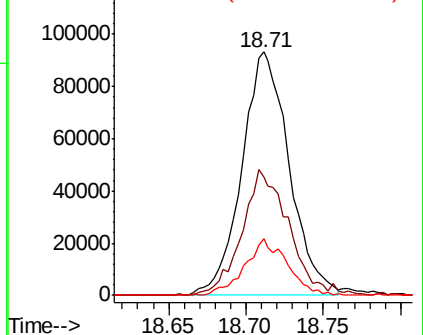
#70
n-Butylbenzene
Concen: 0.438 ppbv
RT: 18.71 min Scan# 4906
Delta R.T. -0.00 min
Lab File: VL033703.D
Acq: 17 May 2019 3:56

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 91 Resp: 198689
Ion Ratio Lower Upper
91 100
92 51.4 42.6 63.8
134 20.9 18.1 27.1

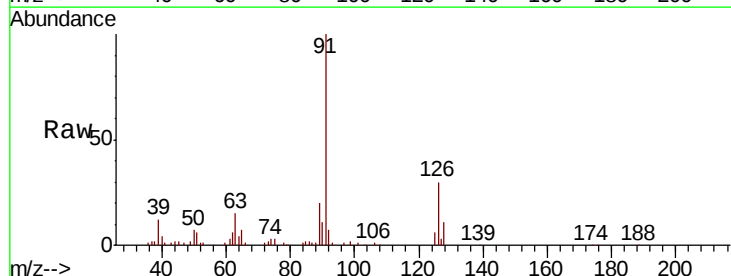


Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 92.10 (91.80 to 92.80): VL0
Ion 134.20 (133.90 to 134.90): V

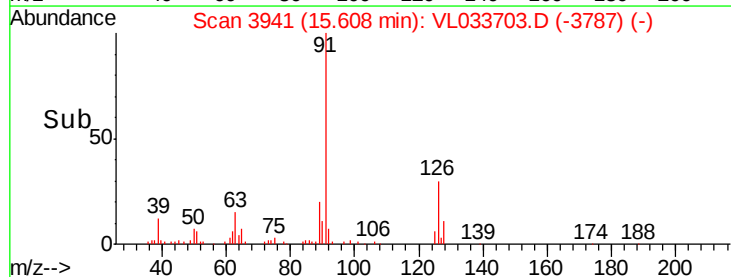
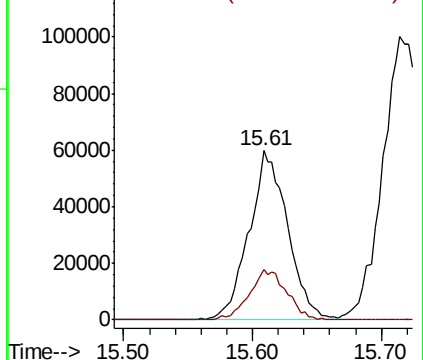


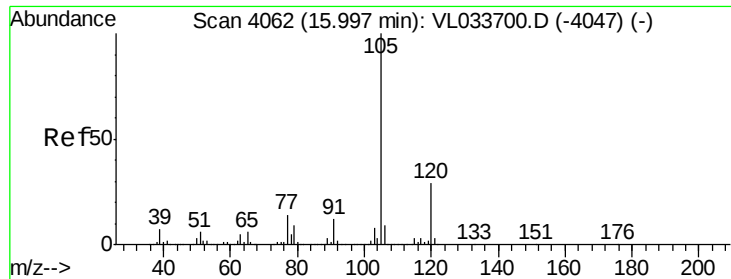
#71
2-Chlorotoluene
Concen: 0.414 ppbv
RT: 15.61 min Scan# 3941
Delta R.T. -0.01 min
Lab File: VL033703.D
Acq: 17 May 2019 3:56

Tgt Ion: 91 Resp: 124525
Ion Ratio Lower Upper
91 100
126 29.0 12.0 47.8



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





#72

4-Ethyltoluene

Concen: 0.402 ppbv

RT: 16.00 min Scan# 4062

Delta R.T. 0.00 min

Lab File: VL033703.D

Acq: 17 May 2019 3:56

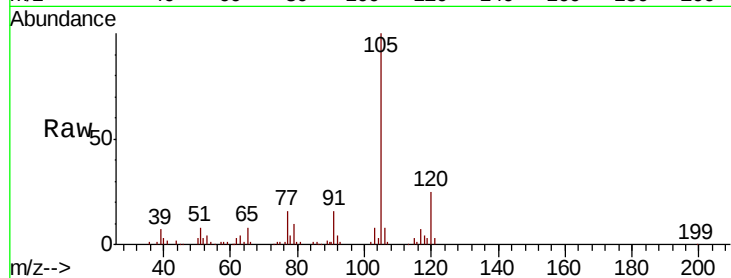
Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion:	105	Resp:	140527
Ion	Ratio	Lower	Upper
105	100		
120	27.5	23.1	34.7
91	15.4	10.4	15.6
77	15.9	11.0	16.6

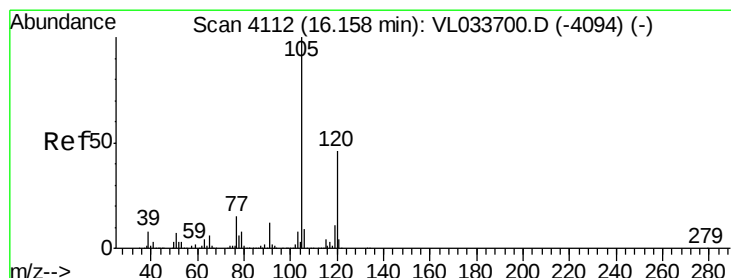
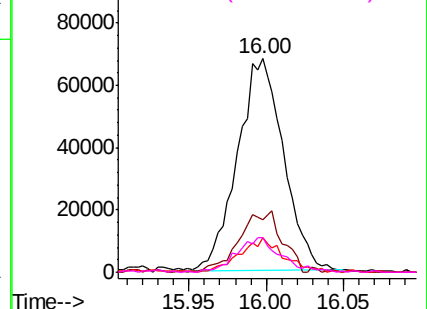
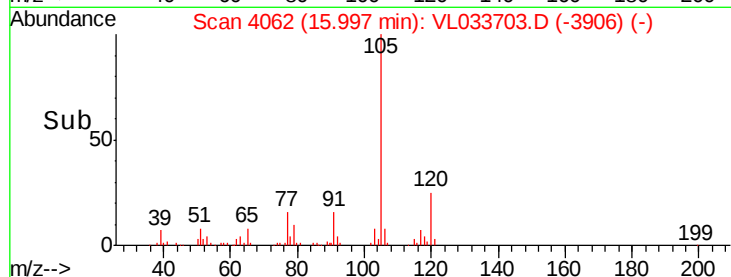


Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#73

1,3,5-Trimethylbenzene

Concen: 0.423 ppbv

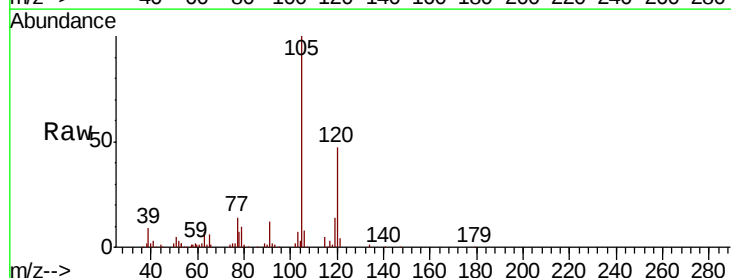
RT: 16.16 min Scan# 4111

Delta R.T. -0.00 min

Lab File: VL033703.D

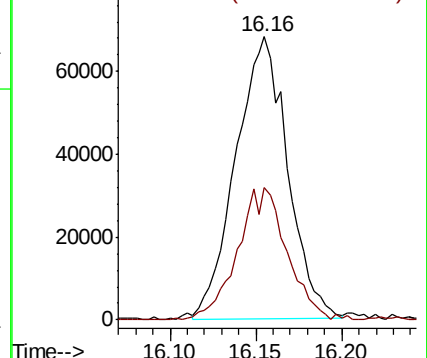
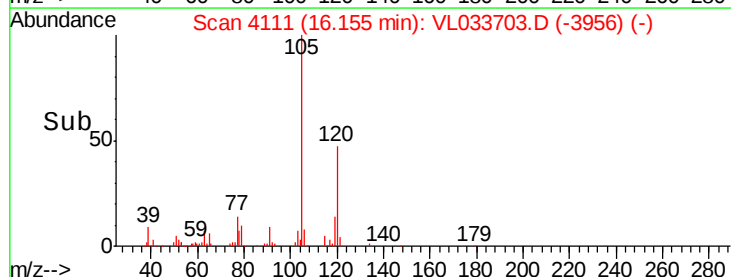
Acq: 17 May 2019 3:56

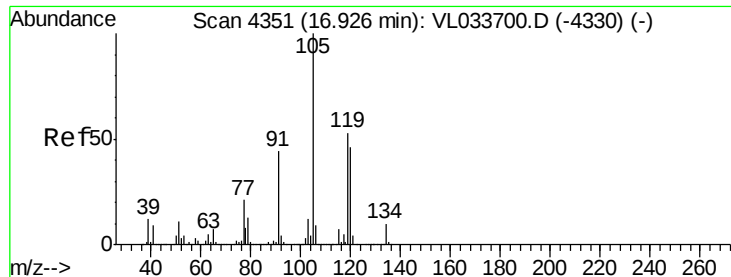
Tgt Ion:	105	Resp:	142863
Ion	Ratio	Lower	Upper
105	100		
120	46.8	37.0	55.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#74

1,2,4-Trimethylbenzene

Concen: 0.443 ppbv

RT: 16.92 min Scan# 4349

Delta R.T. -0.01 min

Lab File: VL033703.D

Acq: 17 May 2019 3:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion:105 Resp: 166641

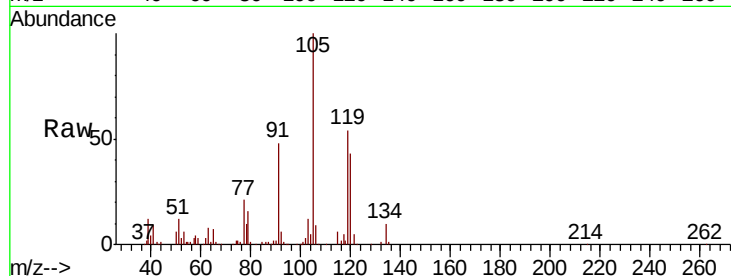
Ion Ratio Lower Upper

105 100

120 41.9 36.8 55.2

91 46.6 35.4 53.0

77 21.1 16.8 25.2



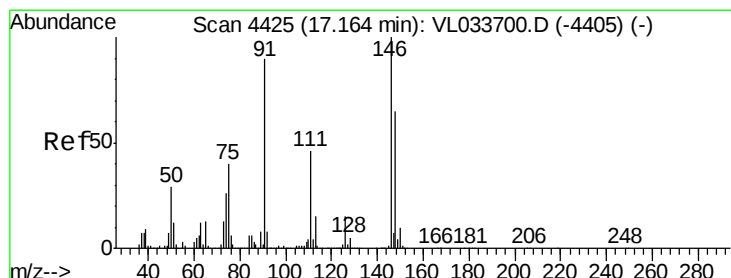
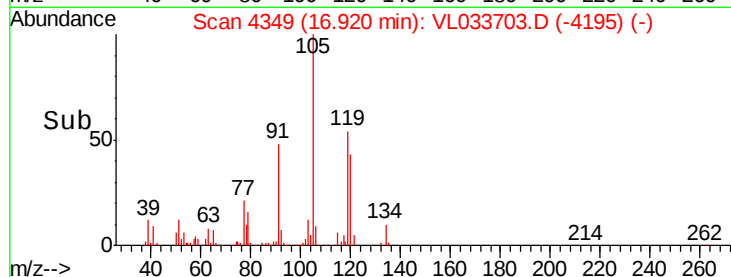
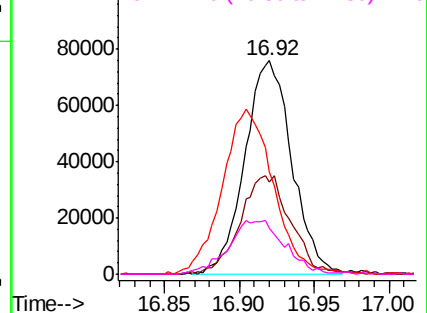
Abundance

Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#75

1,3-Dichlorobenzene

Concen: 0.255 ppbv

RT: 17.15 min Scan# 4422

Delta R.T. -0.01 min

Lab File: VL033703.D

Acq: 17 May 2019 3:56

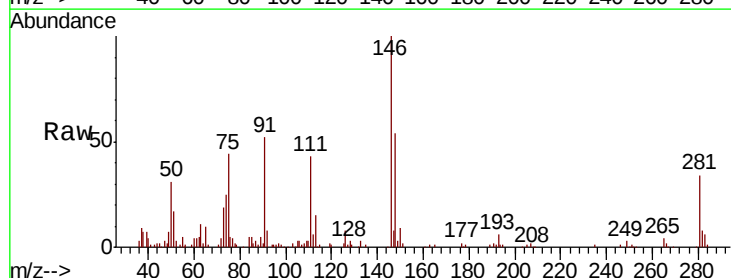
Tgt Ion:146 Resp: 57837

Ion Ratio Lower Upper

146 100

111 0.0 22.9 68.8#

148 0.0 32.0 96.2#

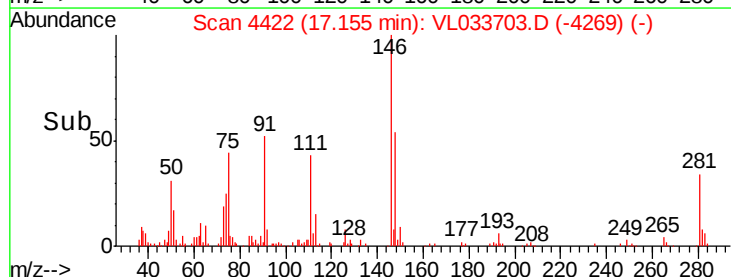
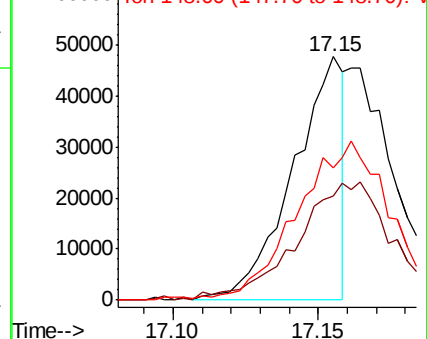


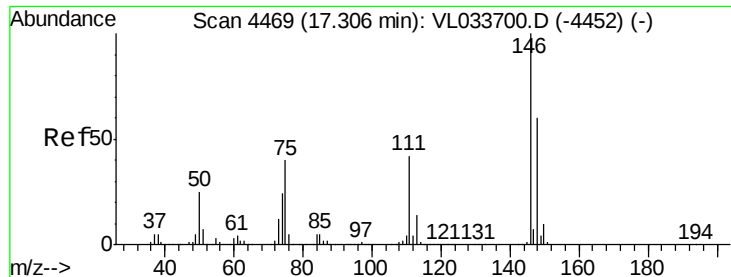
Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#76

1,4-Dichlorobenzene

Concen: 0.466 ppbv

RT: 17.30 min Scan# 4467

Delta R.T. -0.01 min

Lab File: VL033703.D

Acq: 17 May 2019 3:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

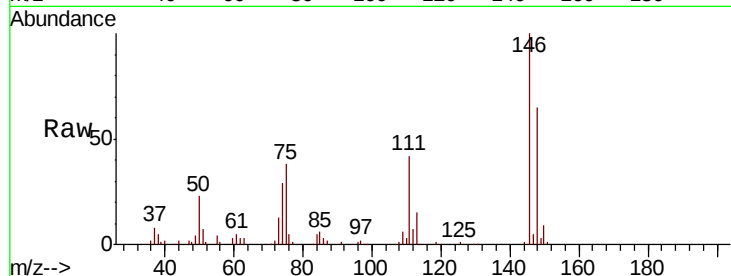
Tgt Ion:146 Resp: 100224

Ion Ratio Lower Upper

146 100

111 46.4 21.9 65.8

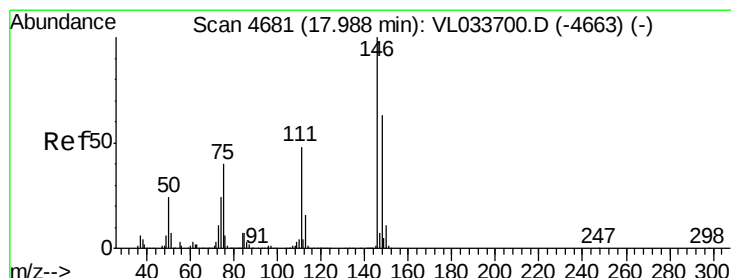
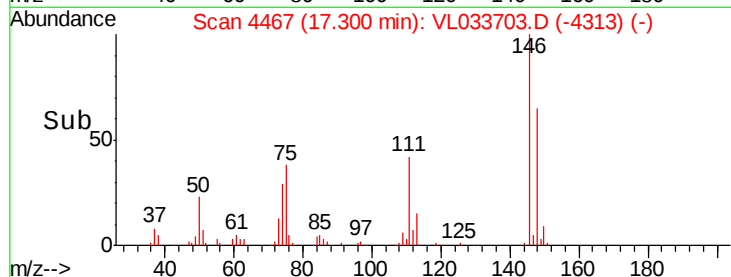
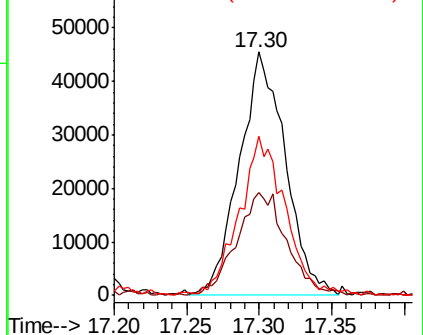
148 66.1 32.1 96.3



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



#77

1,2-Dichlorobenzene

Concen: 0.484 ppbv

RT: 17.99 min Scan# 4681

Delta R.T. 0.00 min

Lab File: VL033703.D

Acq: 17 May 2019 3:56

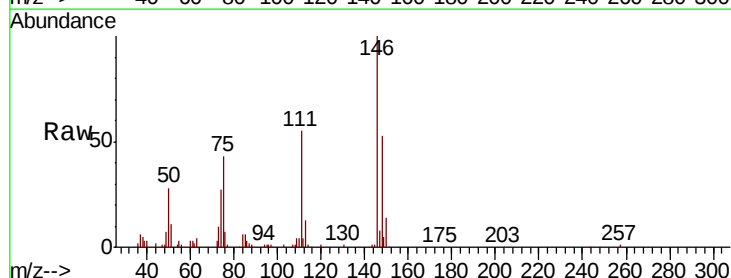
Tgt Ion:146 Resp: 101744

Ion Ratio Lower Upper

146 100

111 47.5 23.5 70.5

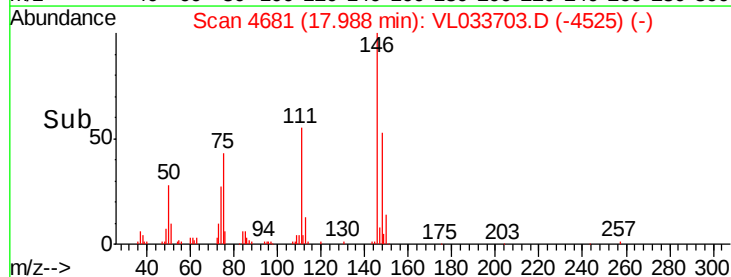
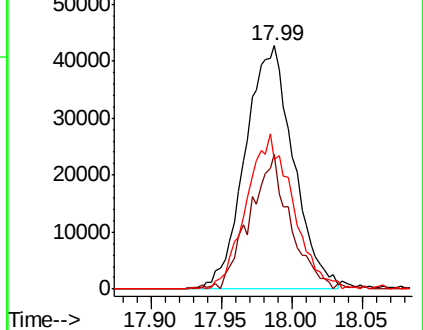
148 61.9 32.1 96.3

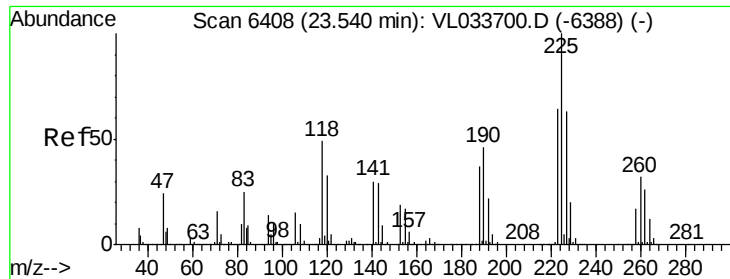


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#78

Hexachloro-1,3-Butadiene

Concen: 0.527 ppbv

RT: 23.54 min Scan# 6408

Delta R.T. 0.00 min

Lab File: VL033703.D

Acq: 17 May 2019 3:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

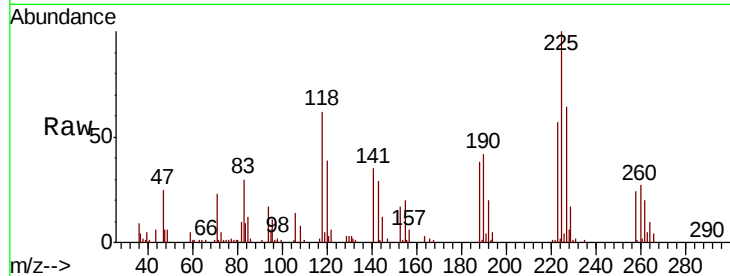
Tgt Ion:225 Resp: 87793

Ion Ratio Lower Upper

225 100

223 61.2 50.2 75.4

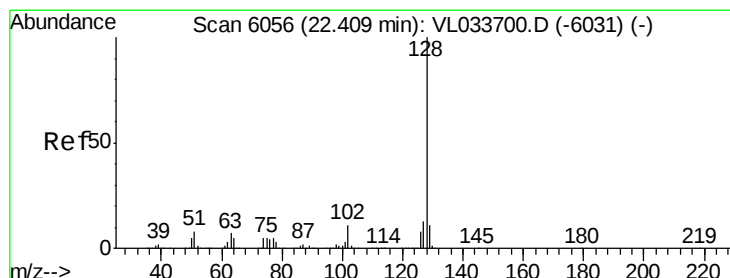
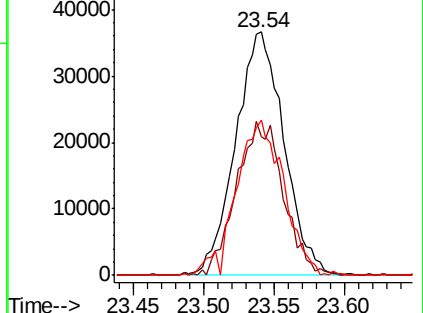
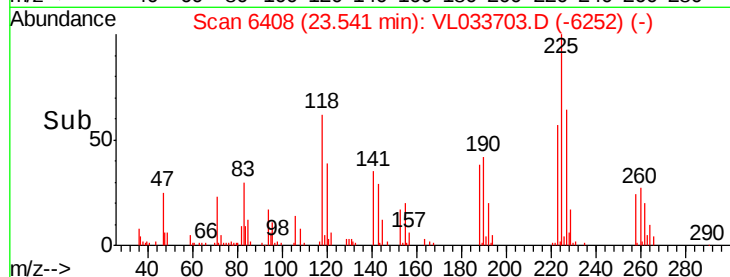
227 62.8 50.7 76.1



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: 0.369 ppbv

RT: 22.41 min Scan# 6056

Delta R.T. 0.00 min

Lab File: VL033703.D

Acq: 17 May 2019 3:56

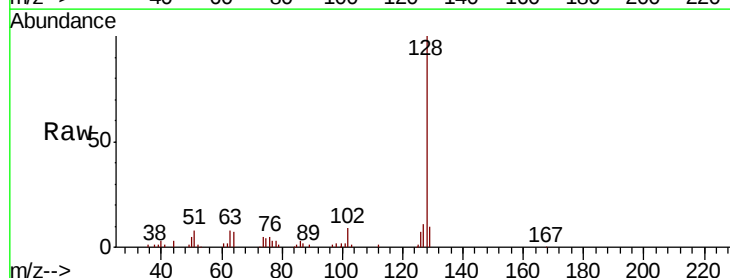
Tgt Ion:128 Resp: 126908

Ion Ratio Lower Upper

128 100

127 11.1 10.6 16.0

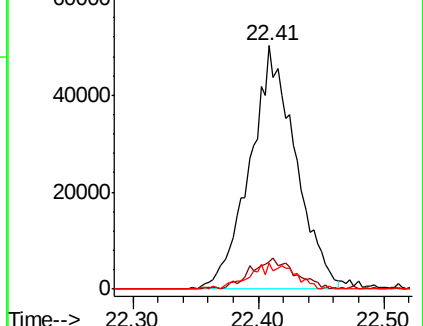
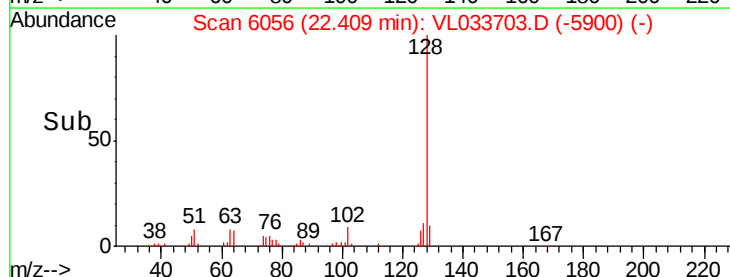
129 10.5 8.9 13.3

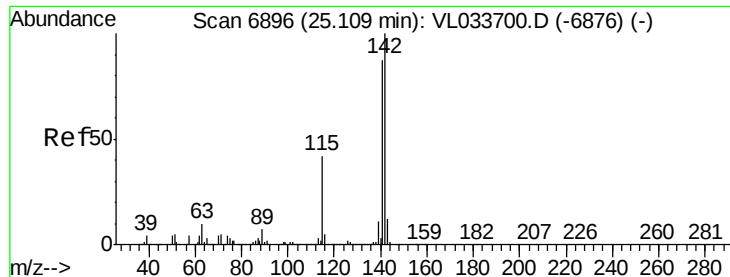


Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V





#80

Naphthalene, 2-methyl-

Concen: 0.277 ppbv

RT: 25.12 min Scan# 6898

Delta R.T. 0.01 min

Lab File: VL033703.D

Acq: 17 May 2019 3:56

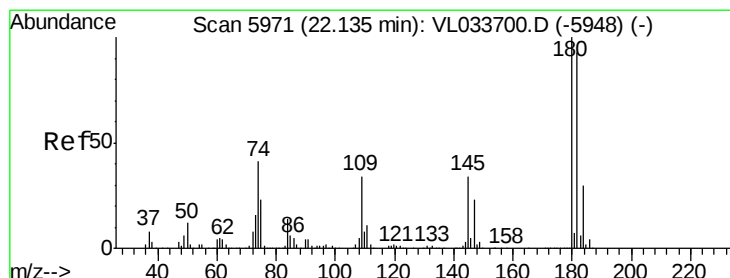
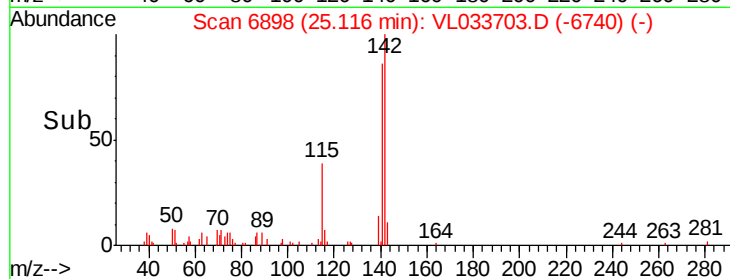
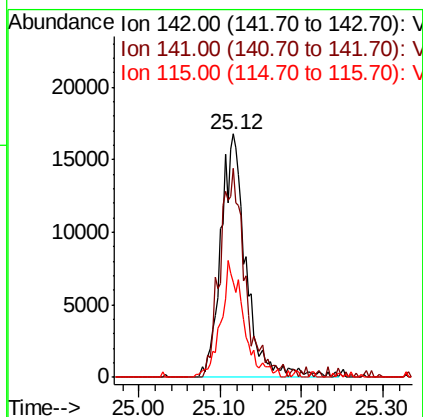
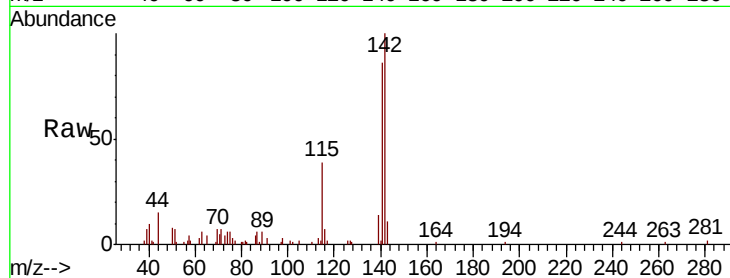
Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion:	142	Resp:	36367
Ion	Ratio	Lower	Upper
142	100		
141	86.2	67.2	100.8
115	43.2	34.1	51.1



#81

1,2,4-Trichlorobenzene

Concen: 0.248 ppbv

RT: 22.13 min Scan# 5968

Delta R.T. -0.01 min

Lab File: VL033703.D

Acq: 17 May 2019 3:56

Tgt Ion:	180	Resp:	49497
Ion	Ratio	Lower	Upper
180	100		
182	169.2	76.1	114.1#
184	54.6	24.6	37.0#

