

Data File : VL033172.D
Acq On : 6 Feb 2019 3:46
Operator : SY/AP
Sample : VSTDIC0.5
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Quant Time: Feb 20 05:09:08 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL020519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 20 05:04:48 2019
QLast Update : Wed Feb 20 05:04:48 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	1104792	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2589140	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2636916	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.58	95	2066402	10.05	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.50%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.08	85	108537	0.514	ppbv	94
3) Chlorodifluoromethane	3.01	51	64914	0.488	ppbv	99
4) Chloromethane	3.17	50	34503	0.491	ppbv	90
5) Vinyl Chloride	3.29	62	32772	0.446	ppbv	98
6) Bromomethane	3.52	94	18714	0.464	ppbv	86
7) Chloroethane	3.60	64	11151	0.465	ppbv	98
8) Dichlorotetrafluoroethane	3.22	85	84169	0.510	ppbv	99
9) Propene	3.04	41	32645	0.508	ppbv	98
10) Heptane	8.24	43	97279	0.500	ppbv	97
11) Trichlorofluoromethane	4.01	101	82606	0.483	ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.55	101	59935	0.506	ppbv	97
13) Ethanol	3.66	45	11985	0.559	ppbv	72
14) Bromoethene	3.79	108	23986	0.469	ppbv	97
15) Acetone	3.91	43	64053	0.515	ppbv	98
16) 1,3-Butadiene	3.36	39	28359	0.480	ppbv	99
17) tert-Butyl alcohol	4.35	59	1239	0.052	ppbv #	74
18) 1,1-Dichloroethene	4.35	96	26357	0.497	ppbv #	87
19) Isopropyl Alcohol	4.04	45	47005	0.557	ppbv #	99
20) Methylene Chloride	4.41	84	26836	0.542	ppbv #	88
21) Allyl Chloride	4.48	41	37404	0.455	ppbv	90
22) trans-1,2-Dichloroethene	4.97	96	24398	0.474	ppbv	99
23) Vinyl Acetate	5.16	43	109431	0.507	ppbv #	98
24) 1,1-Dichloroethane	5.09	63	79548	0.521	ppbv	99
25) Ethyl Acetate	5.78	43	151980	0.543	ppbv	99
26) Hexane	5.78	57	73535	0.560	ppbv	97
27) Carbon Disulfide	4.62	76	50060	0.416	ppbv #	77
28) Methyl tert-Butyl Ether	5.12	73	89296	0.497	ppbv	98
29) Chloroform	5.85	83	105776	0.525	ppbv	99
30) Cyclohexane	7.25	84	56828	0.466	ppbv	94
31) cis-1,2-Dichloroethene	5.64	61	69916	0.532	ppbv	96
32) 1,1,1-Trichloroethane	6.62	97	95701	0.432	ppbv	94
34) 2-Butanone	5.34	43	98566	0.600	ppbv	99
35) Carbon Tetrachloride	7.14	117	92619	0.468	ppbv	97
36) Benzene	7.00	78	143752	0.548	ppbv	96
37) 1,2-Dichloroethane	6.41	62	80323	0.552	ppbv	99
38) Trichloroethene	7.96	130	32744	0.291	ppbv	93
39) 1,2-Dichloropropane	7.73	63	57526	0.555	ppbv	91
40) 1,4-Dioxane	7.98	88	5101	0.135	ppbv #	1
41) Tetrahydrofuran	6.17	42	54191	0.533	ppbv	97
42) Bromodichloromethane	7.91	83	110059	0.522	ppbv #	94
43) Methyl Methacrylate	8.15	69	32192	0.306	ppbv #	20

Data File : VL033172.D
Acq On : 6 Feb 2019 3:46
Operator : SY/AP
Sample : VSTDIC0.5
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Quant Time: Feb 20 05:09:08 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL020519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 20 05:04:48 2019
QLast Update : Wed Feb 20 05:04:48 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	249808	0.562	ppbv	98
45) t-1,3-Dichloropropene	9.42	75	29618	0.253	ppbv	91
46) cis-1,3-Dichloropropene	8.84	75	74276	0.498	ppbv #	89
47) 1,1,2-Trichloroethane	9.61	97	27977	0.260	ppbv	95
48) Dibromochloromethane	10.45	129	81771	0.483	ppbv	98
49) Bromoform	13.20	173	68140	0.468	ppbv	100
50) 4-Methyl-2-Pentanone	8.89	43	86761	0.329	ppbv #	62
51) 2-Hexanone	10.29	43	106820	0.514	ppbv #	98
52) Tetrachloroethene	11.37	164	22536	0.224	ppbv	95
53) Toluene	9.95	91	169093	0.544	ppbv	100
54) 1,2-Dibromoethane	10.76	107	90691	0.538	ppbv	94
56) 1,1,1,2-Tetrachloroethane	12.28	131	65448	0.533	ppbv #	1
57) Chlorobenzene	12.30	112	66254	0.284	ppbv #	98
58) Ethyl Benzene	12.87	91	231932	0.536	ppbv	94
59) m/p-Xylene	13.15	91	124971	0.347	ppbv #	31
60) o-Xylene	13.85	91	196625	0.560	ppbv	100
61) Styrene	13.69	104	136786	0.516	ppbv	97
62) Isopropylbenzene	14.83	105	272346	0.550	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.84	83	139182	0.507	ppbv	99
64) n-propylbenzene	15.72	120	67152	0.533	ppbv	91
65) tert-Butylbenzene	16.91	119	232843	0.540	ppbv	96
66) Benzyl Chloride	17.16	91	34634	0.225	ppbv #	89
67) sec-Butylbenzene	17.46	105	331884	0.530	ppbv	98
69) p-Isopropyltoluene	17.82	119	279982	0.537	ppbv	98
70) n-Butylbenzene	18.72	91	298852	0.531	ppbv	97
71) 2-Chlorotoluene	15.62	91	125924	0.323	ppbv #	45
72) 4-Ethyltoluene	16.00	105	211050	0.521	ppbv	98
73) 1,3,5-Trimethylbenzene	16.16	105	80892	0.209	ppbv	92
74) 1,2,4-Trimethylbenzene	16.93	105	219739	0.547	ppbv	93
75) 1,3-Dichlorobenzene	17.17	146	119696	0.517	ppbv	95
76) 1,4-Dichlorobenzene	17.31	146	122561	0.534	ppbv	95
77) 1,2-Dichlorobenzene	17.99	146	122888	0.537	ppbv	98
78) Hexachloro-1,3-Butadiene	23.55	225	61269	0.538	ppbv	98
79) Naphthalene	22.42	128	224760	0.521	ppbv #	93
80) Naphthalene,2-methyl-	25.12	142	110407	0.506	ppbv	98
81) 1,2,4-Trichlorobenzene	22.14	180	121808	0.555	ppbv	98

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

Data File : VL033172.D

Acq On : 6 Feb 2019 3:46

Operator : SY/AP

Sample : VSTDICC0.5

Misc : 400mL/MSVOA L

ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

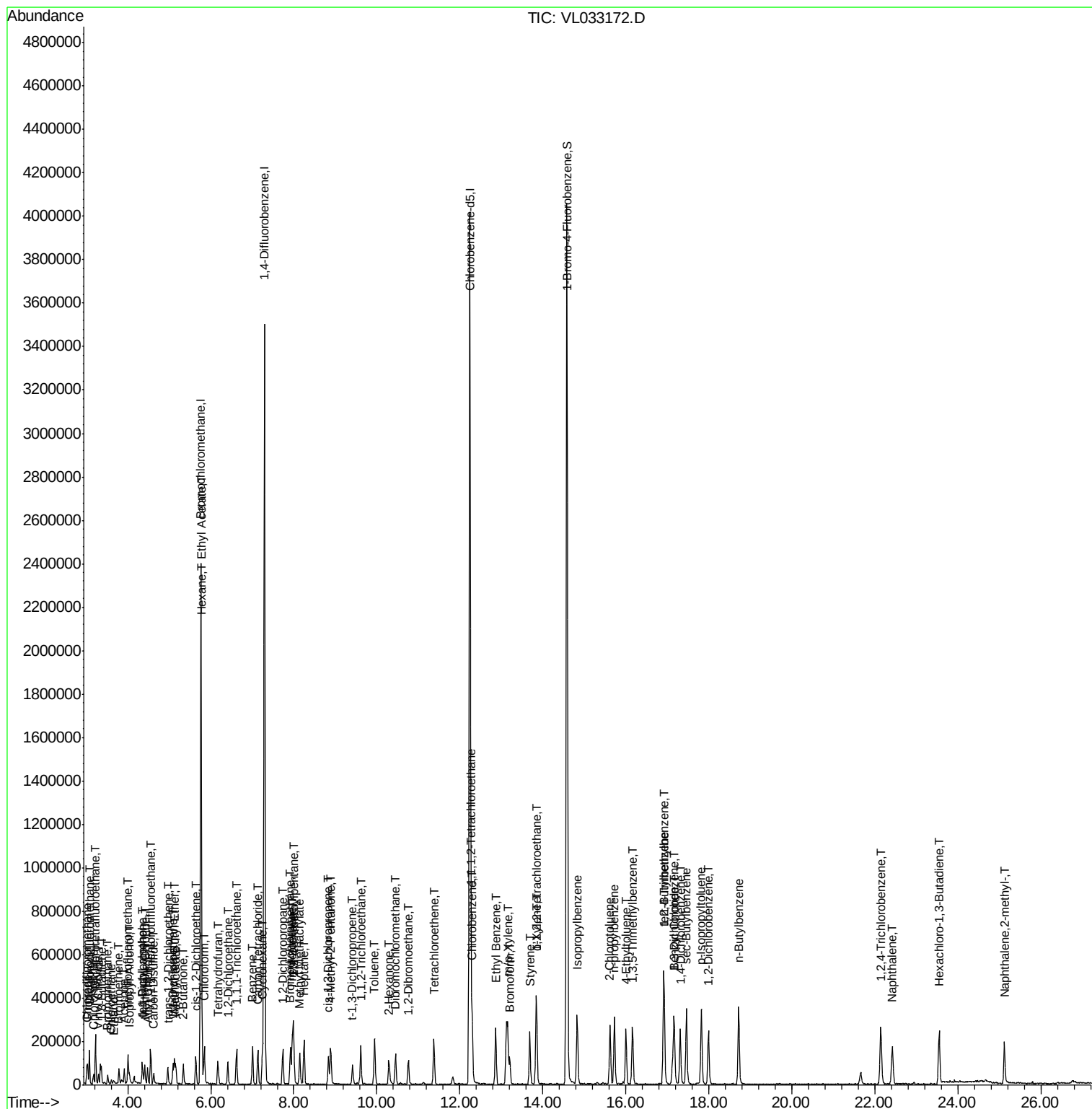
Quant Time: Feb 20 05:09:08 2019

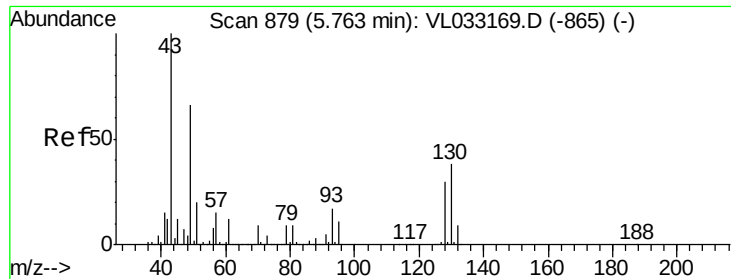
Quant Method : Z:\VOASRV\HPCHEM1\MSV0A_L\METHODS\VL020519AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LWed Feb 20 05:04:48 2019

QLast Update : Wed Feb 20 05:04:48 2019

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 878

Delta R.T. -0.00 min

Lab File: VL033172.D

Acq: 6 Feb 2019 3:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

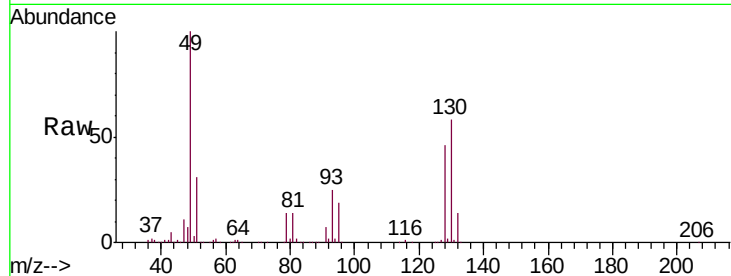
Tgt Ion: 49 Resp: 1104792

Ion Ratio Lower Upper

49 100

128 47.5 23.6 71.0

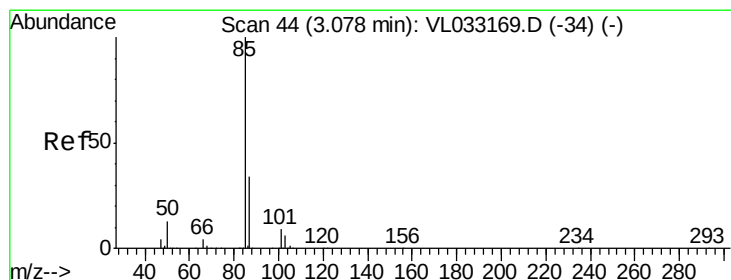
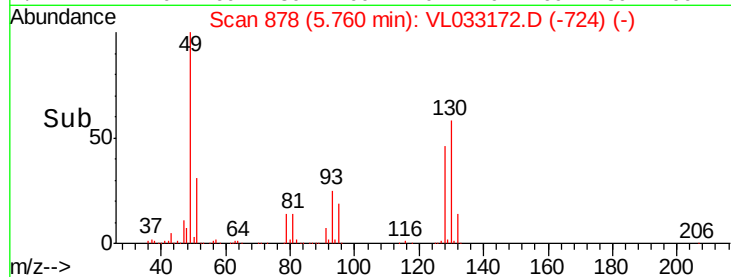
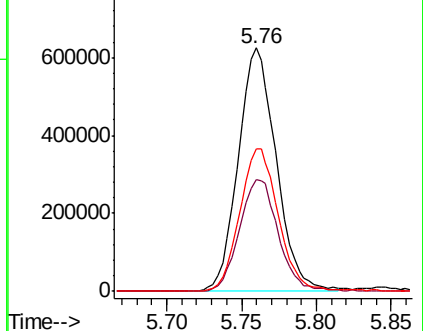
130 60.3 30.3 91.0



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 0.514 ppbv

RT: 3.08 min Scan# 44

Delta R.T. -0.00 min

Lab File: VL033172.D

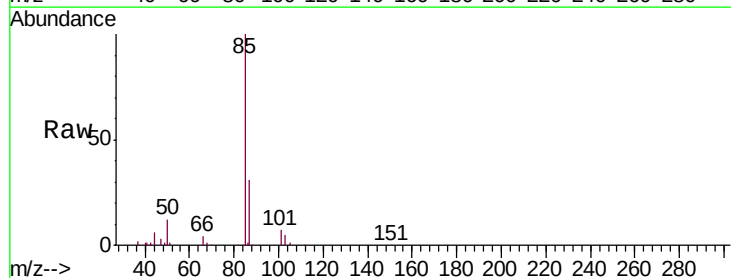
Acq: 6 Feb 2019 3:46

Tgt Ion: 85 Resp: 108537

Ion Ratio Lower Upper

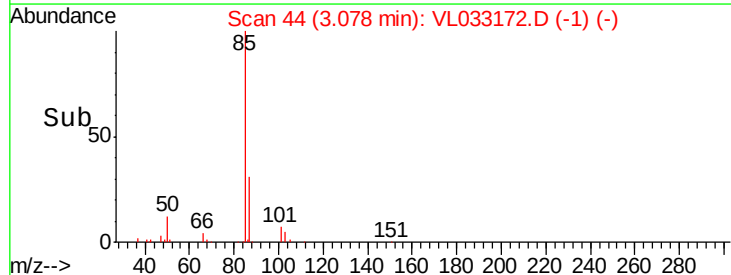
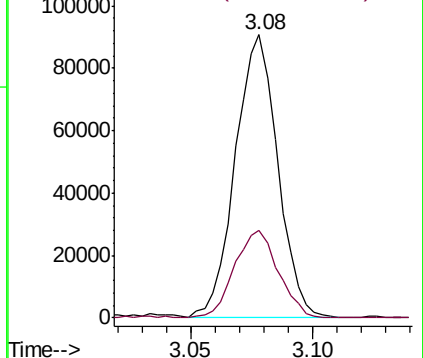
85 100

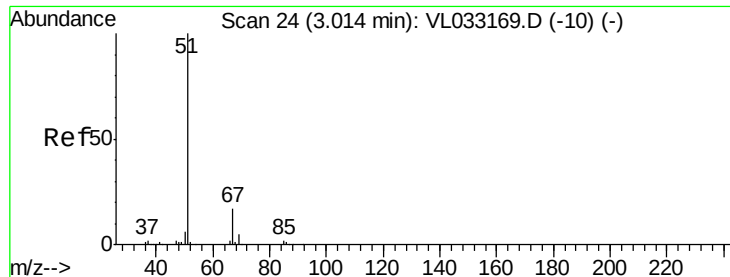
87 30.9 27.4 41.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.488 ppbv

RT: 3.01 min Scan# 24

Delta R.T. -0.00 min

Lab File: VL033172.D

Acq: 6 Feb 2019 3:46

Instrument :

MSVOA_L

ClientSampleId :

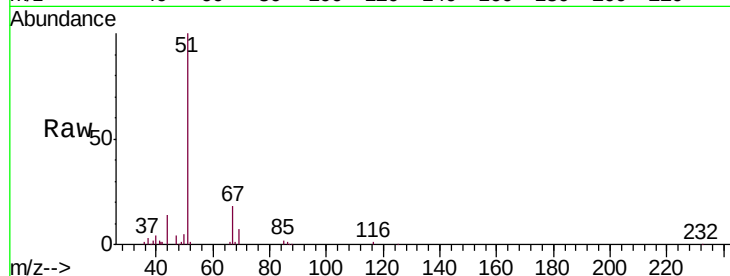
VSTDIC0.5

Tgt Ion: 51 Resp: 64914

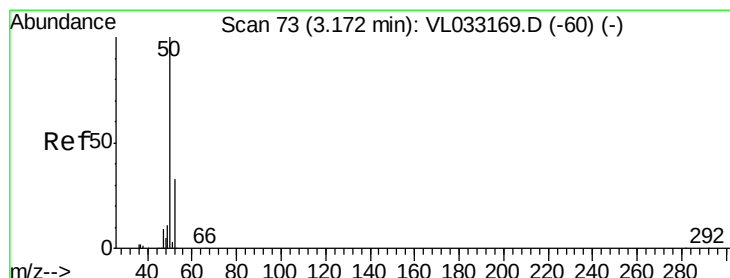
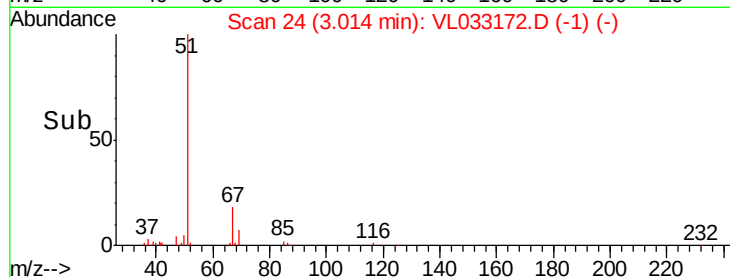
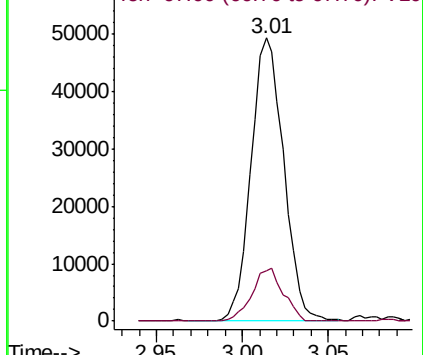
Ion Ratio Lower Upper

51 100

67 17.9 14.0 21.0



Abundance Ion 51.00 (50.70 to 51.70): VL0
Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.491 ppbv

RT: 3.17 min Scan# 72

Delta R.T. -0.00 min

Lab File: VL033172.D

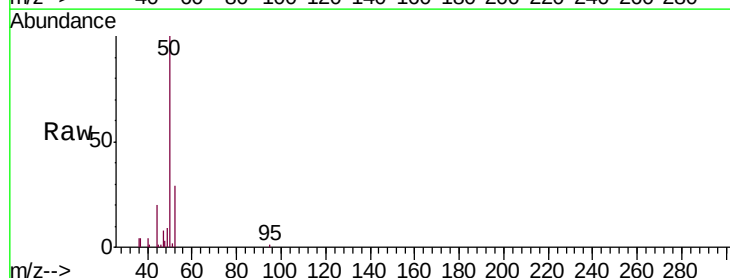
Acq: 6 Feb 2019 3:46

Tgt Ion: 50 Resp: 34503

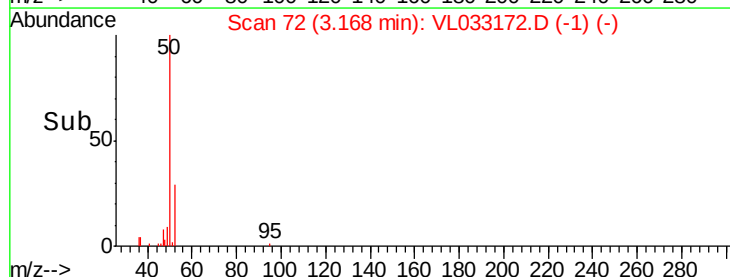
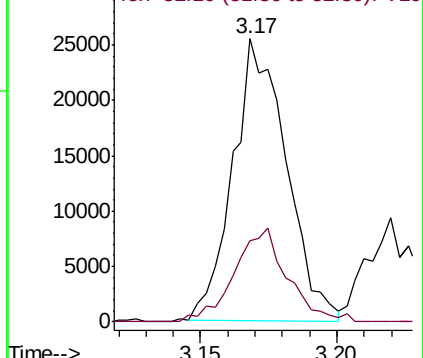
Ion Ratio Lower Upper

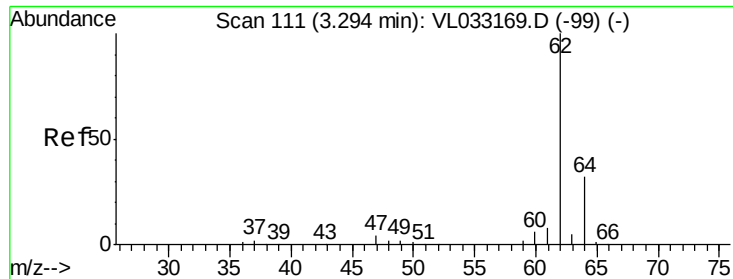
50 100

52 27.6 26.5 39.7



Abundance Ion 50.10 (49.80 to 50.80): VL0
Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.446 ppbv

RT: 3.29 min Scan# 111

Delta R.T. -0.00 min

Lab File: VL033172.D

Acq: 6 Feb 2019 3:46

Instrument :

MSVOA_L

ClientSampleId :

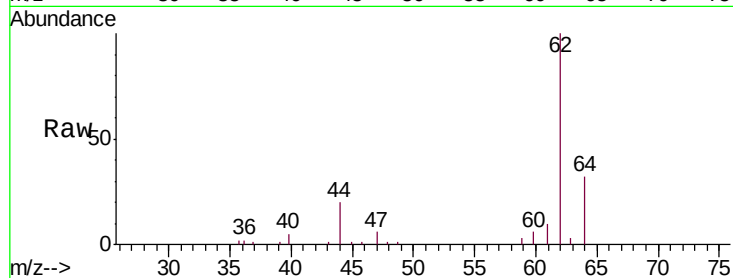
VSTDIC0.5

Tgt Ion: 62 Resp: 32772

Ion Ratio Lower Upper

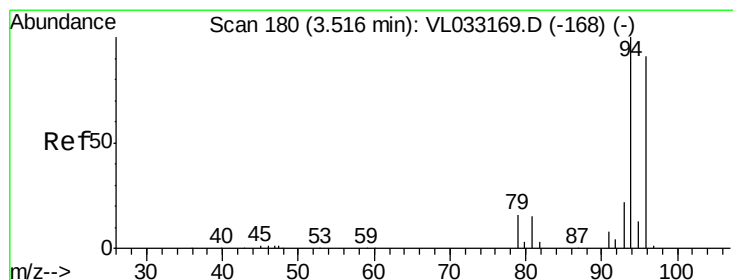
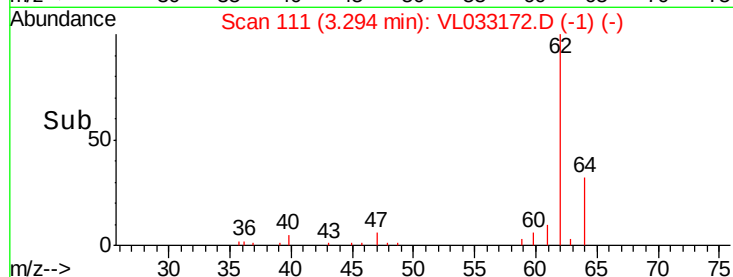
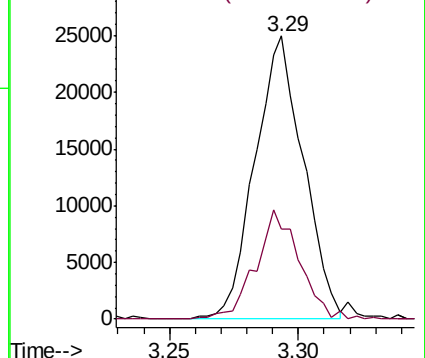
62 100

64 31.2 25.6 38.4



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 0.464 ppbv

RT: 3.52 min Scan# 180

Delta R.T. -0.00 min

Lab File: VL033172.D

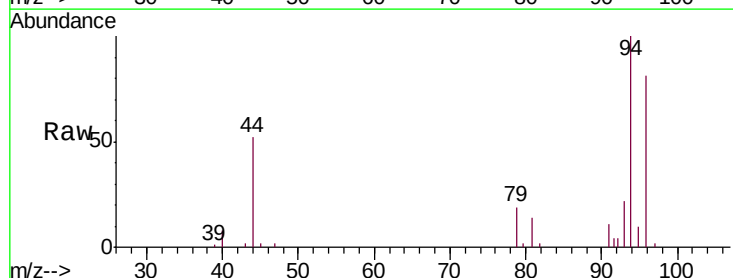
Acq: 6 Feb 2019 3:46

Tgt Ion: 94 Resp: 18714

Ion Ratio Lower Upper

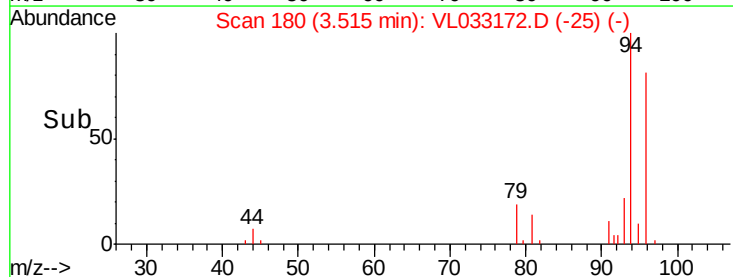
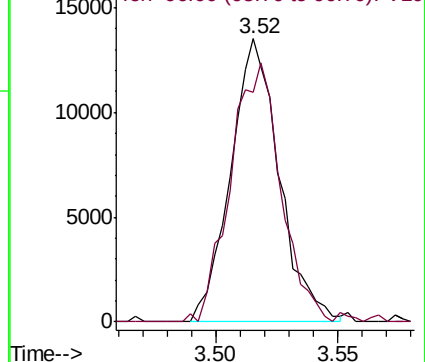
94 100

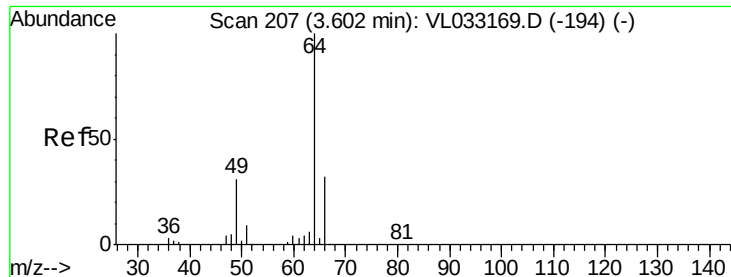
96 78.5 73.2 109.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 0.465 ppbv

RT: 3.60 min Scan# 207

Delta R.T. -0.00 min

Lab File: VL033172.D

Acq: 6 Feb 2019 3:46

Instrument :

MSVOA_L

ClientSampleId :

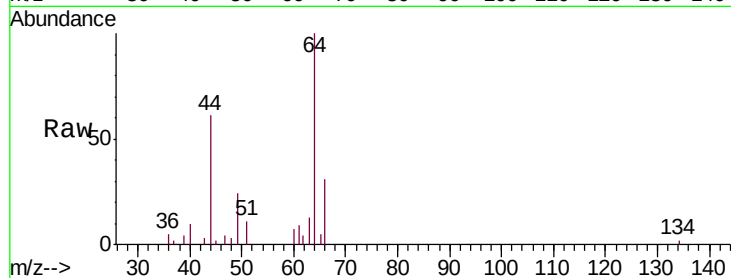
VSTDIC0.5

Tgt Ion: 64 Resp: 11151

Ion Ratio Lower Upper

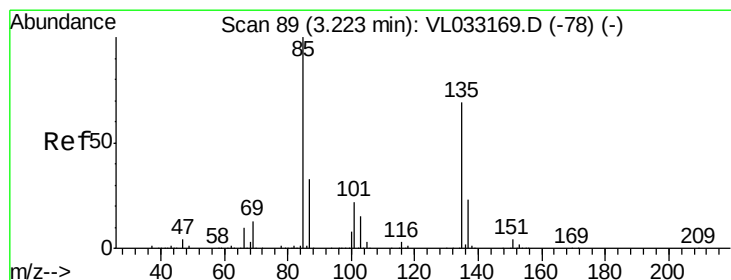
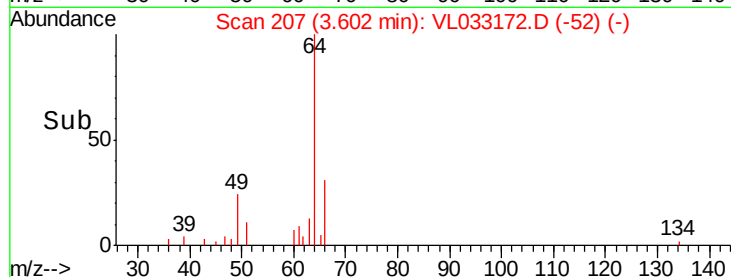
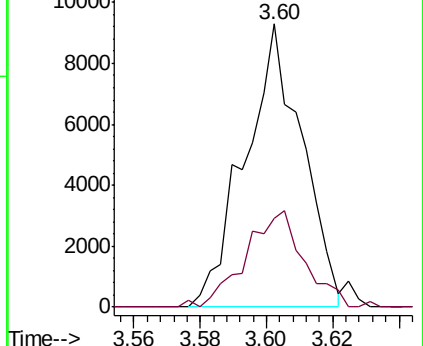
64 100

66 31.4 26.0 39.0



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 0.510 ppbv

RT: 3.22 min Scan# 88

Delta R.T. -0.00 min

Lab File: VL033172.D

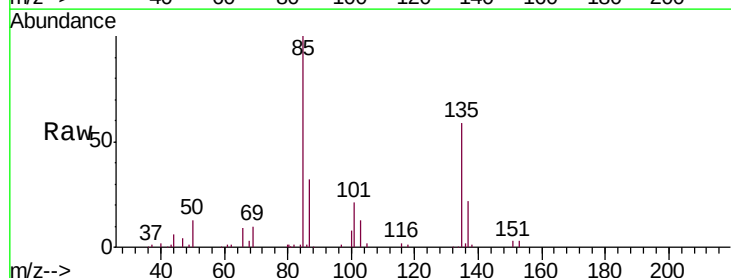
Acq: 6 Feb 2019 3:46

Tgt Ion: 85 Resp: 84169

Ion Ratio Lower Upper

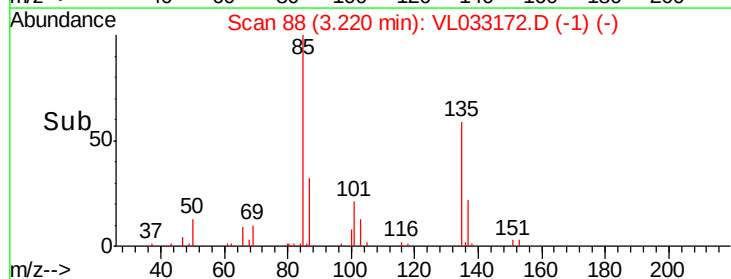
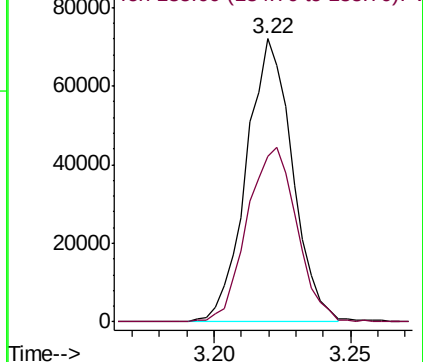
85 100

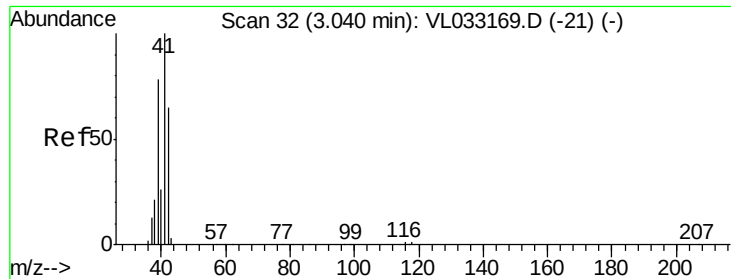
135 66.8 54.3 81.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 0.508 ppbv

RT: 3.04 min Scan# 31

Delta R.T. -0.00 min

Lab File: VL033172.D

Acq: 6 Feb 2019 3:46

Instrument :

MSVOA_L

ClientSampleId :

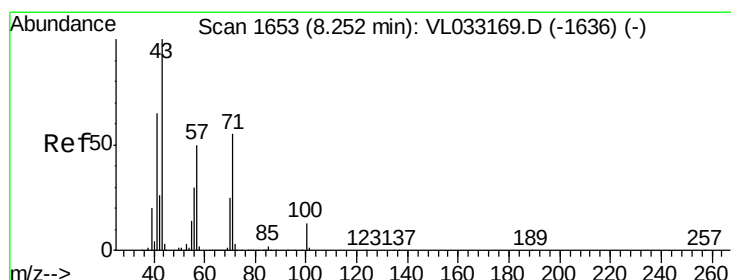
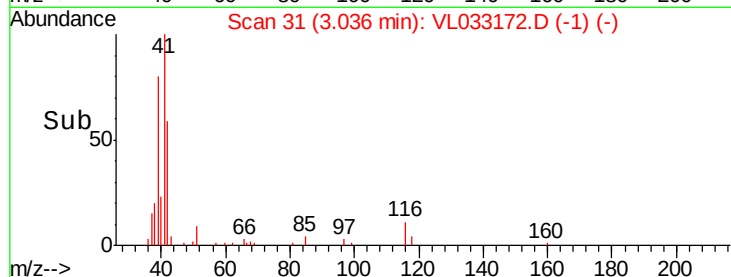
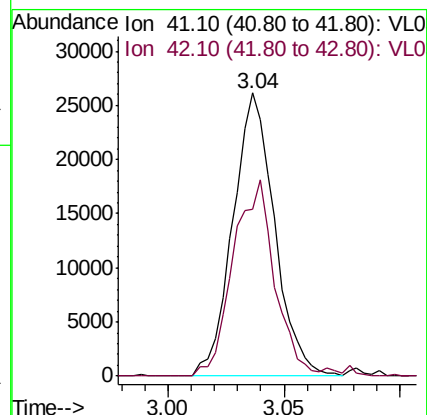
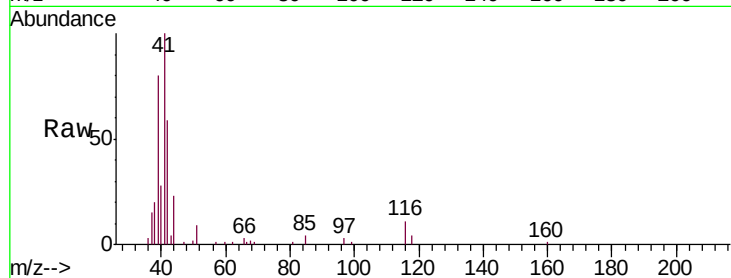
VSTDIC0.5

Tgt Ion: 41 Resp: 32645

Ion Ratio Lower Upper

41 100

42 70.6 55.0 82.6



#10

Heptane

Concen: 0.500 ppbv

RT: 8.24 min Scan# 1650

Delta R.T. -0.01 min

Lab File: VL033172.D

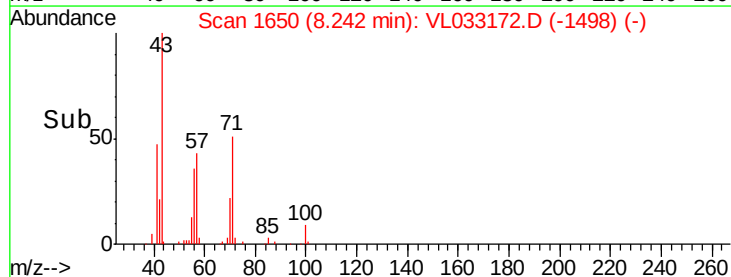
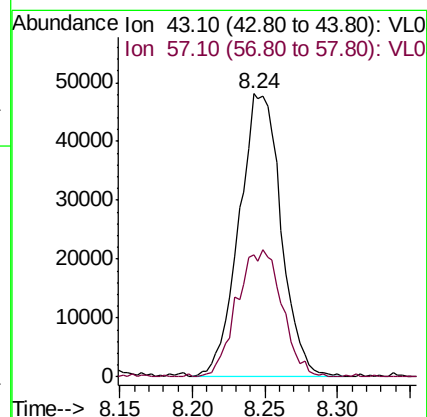
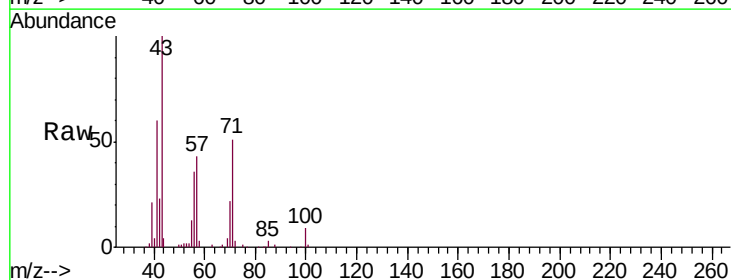
Acq: 6 Feb 2019 3:46

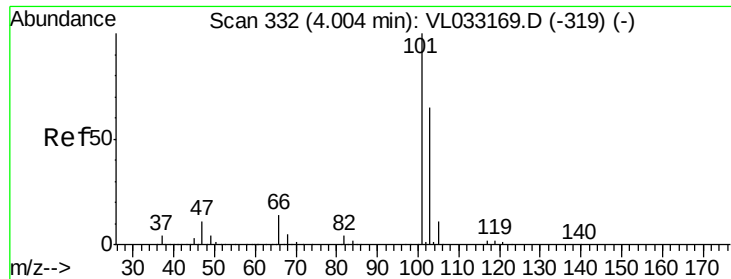
Tgt Ion: 43 Resp: 97279

Ion Ratio Lower Upper

43 100

57 47.7 39.5 59.3

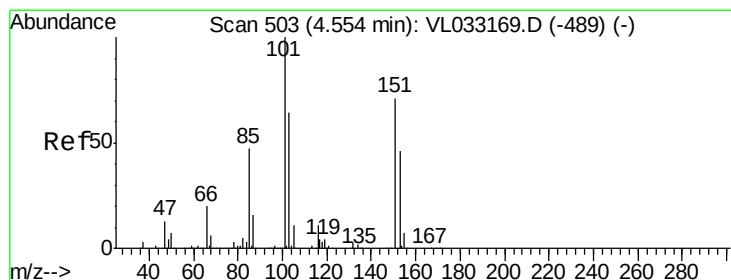
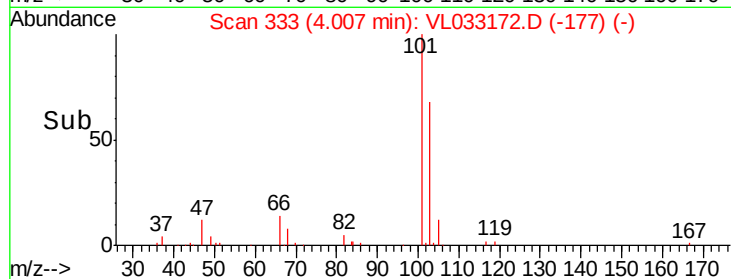
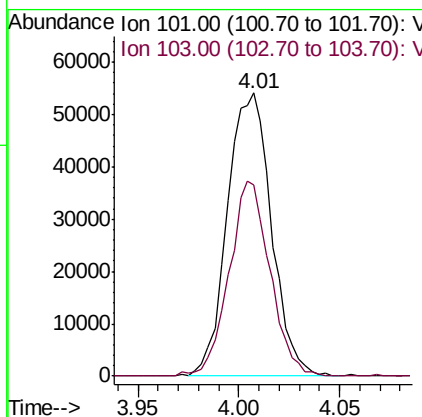
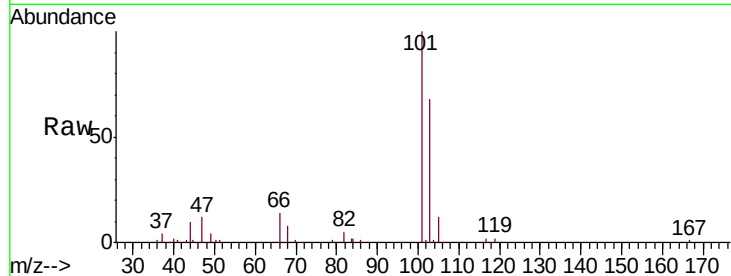




#11
 Trichlorofluoromethane
 Concen: 0.483 ppbv
 RT: 4.01 min Scan# 333
 Delta R.T. 0.00 min
 Lab File: VL033172.D
 Acq: 6 Feb 2019 3:46

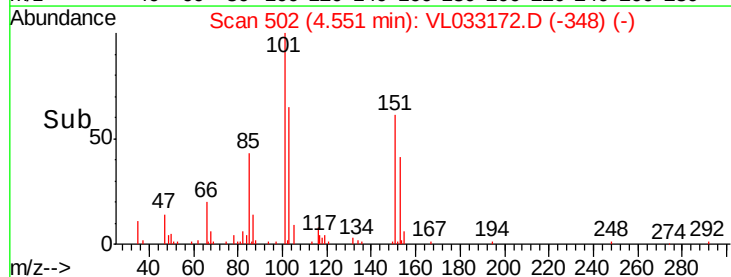
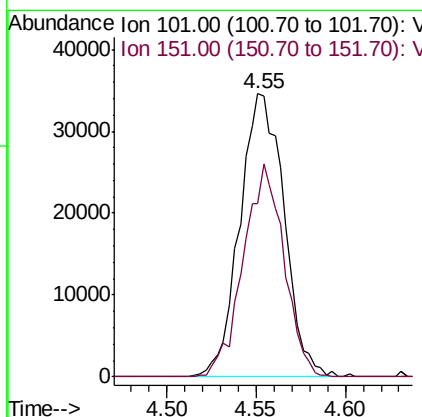
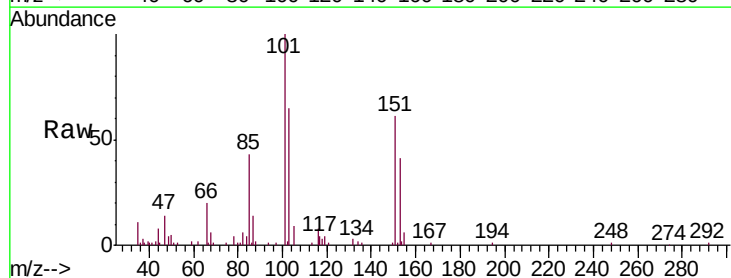
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

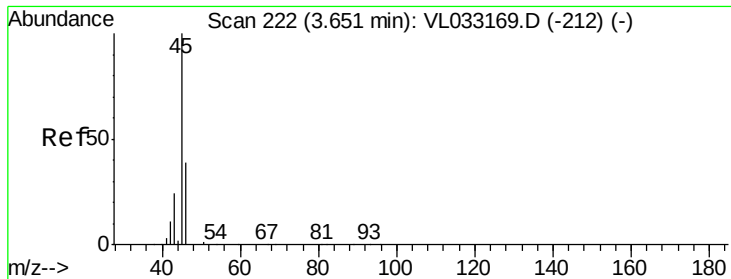
Tgt Ion:101 Resp: 82606
 Ion Ratio Lower Upper
 101 100
 103 67.5 51.7 77.5



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.506 ppbv
 RT: 4.55 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VL033172.D
 Acq: 6 Feb 2019 3:46

Tgt Ion:101 Resp: 59935
 Ion Ratio Lower Upper
 101 100
 151 69.1 57.4 86.0

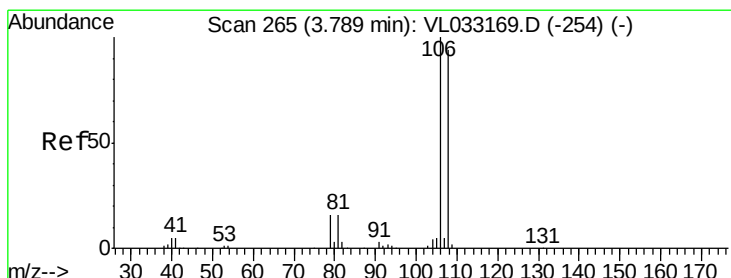
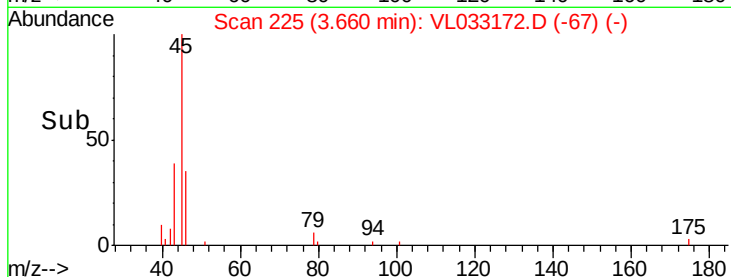
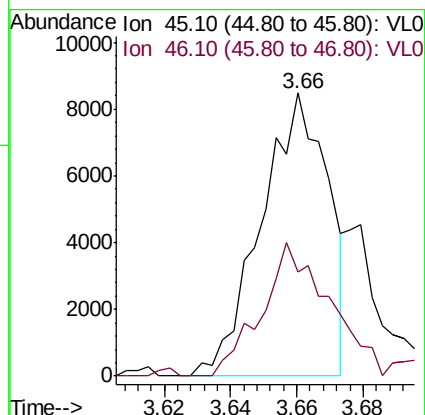
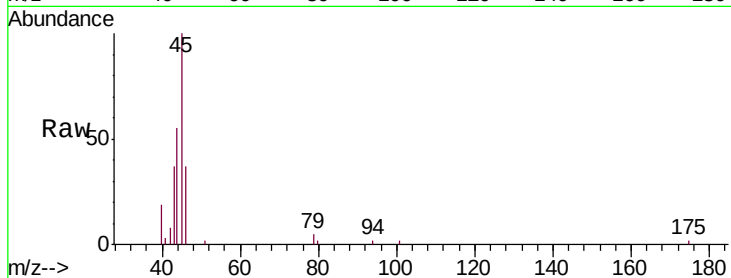




#13
Ethanol
Concen: 0.559 ppbv
RT: 3.66 min Scan# 225
Delta R.T. 0.01 min
Lab File: VL033172.D
Acq: 6 Feb 2019 3:46

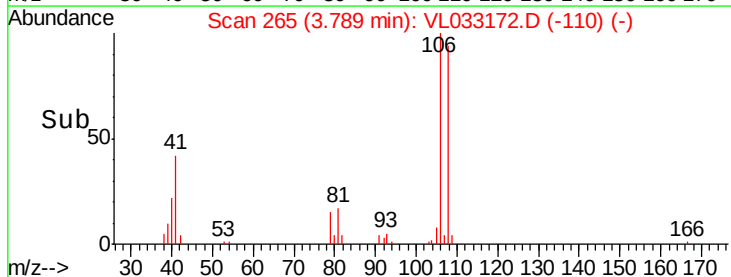
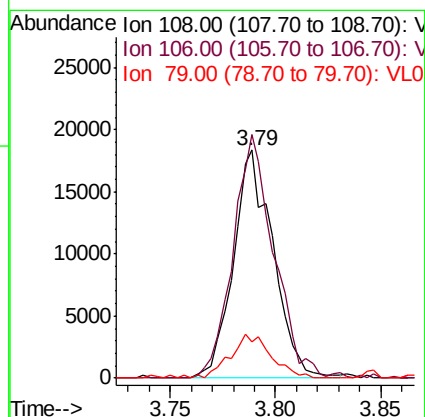
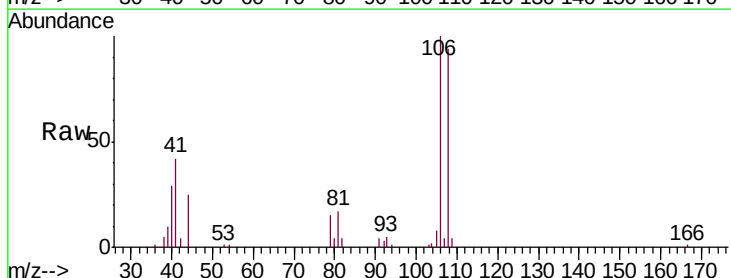
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

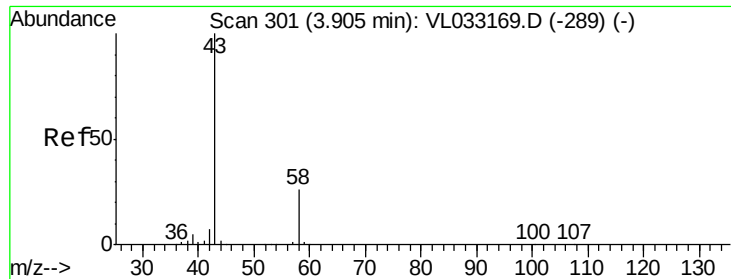
Tgt Ion: 45 Resp: 11985
Ion Ratio Lower Upper
45 100
46 54.3 15.0 60.2



#14
Bromoethene
Concen: 0.469 ppbv
RT: 3.79 min Scan# 265
Delta R.T. -0.00 min
Lab File: VL033172.D
Acq: 6 Feb 2019 3:46

Tgt Ion: 108 Resp: 23986
Ion Ratio Lower Upper
108 100
106 109.8 86.0 129.0
79 20.1 14.5 21.7





#15

Acetone

Concen: 0.515 ppbv

RT: 3.91 min Scan# 303

Delta R.T. 0.01 min

Lab File: VL033172.D

Acq: 6 Feb 2019 3:46

Instrument :

MSVOA_L

ClientSampleId :

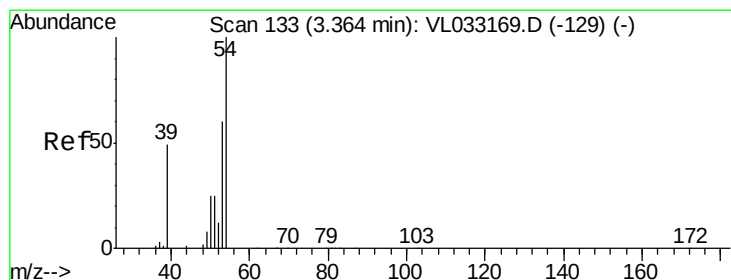
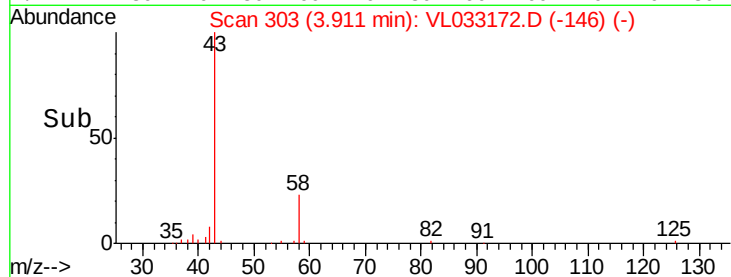
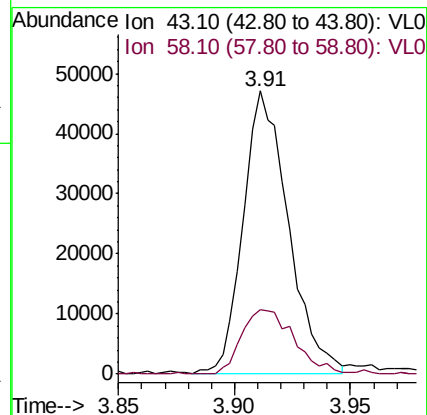
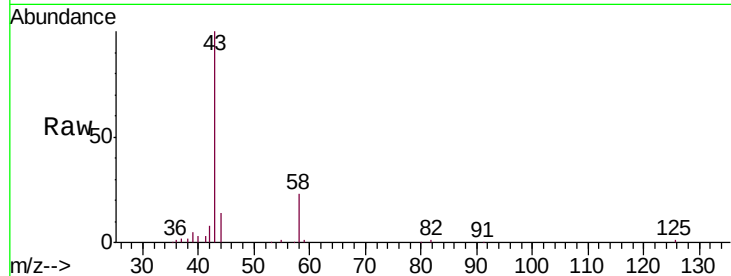
VSTDIC0.5

Tgt Ion: 43 Resp: 64053

Ion Ratio Lower Upper

43 100

58 27.2 21.1 31.7



#16

1,3-Butadiene

Concen: 0.480 ppbv

RT: 3.36 min Scan# 133

Delta R.T. -0.00 min

Lab File: VL033172.D

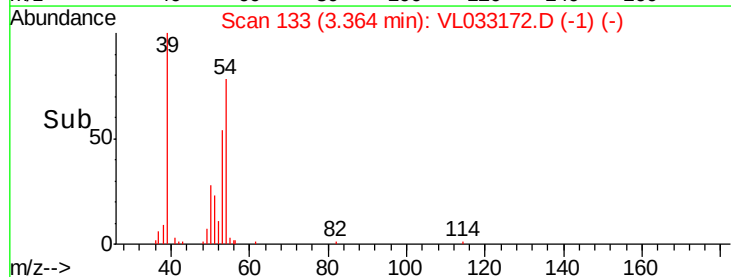
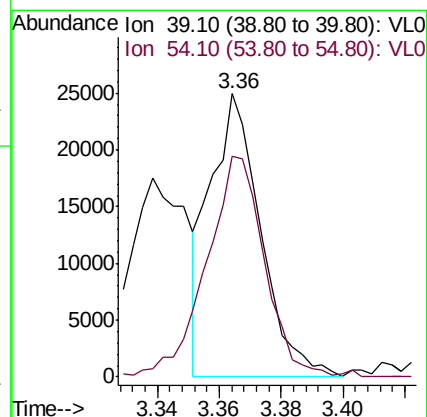
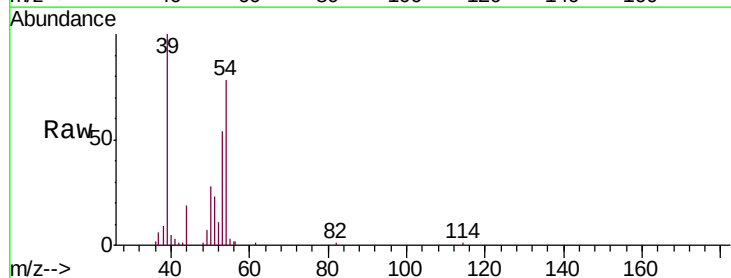
Acq: 6 Feb 2019 3:46

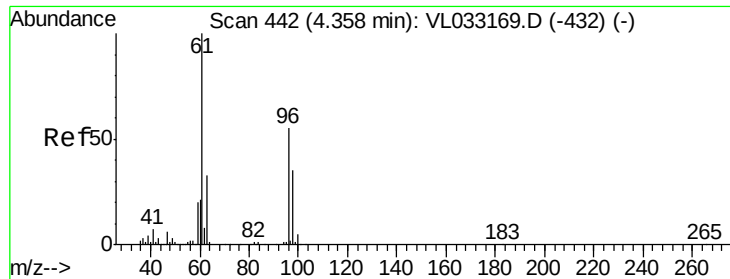
Tgt Ion: 39 Resp: 28359

Ion Ratio Lower Upper

39 100

54 90.3 71.3 106.9

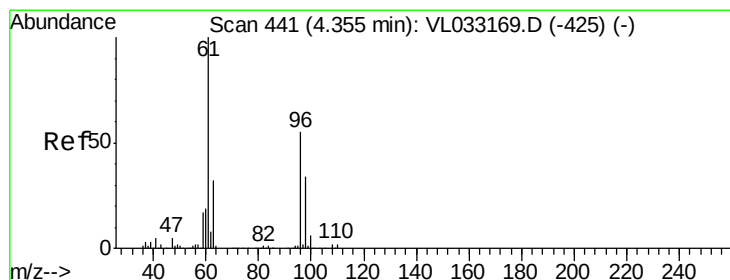
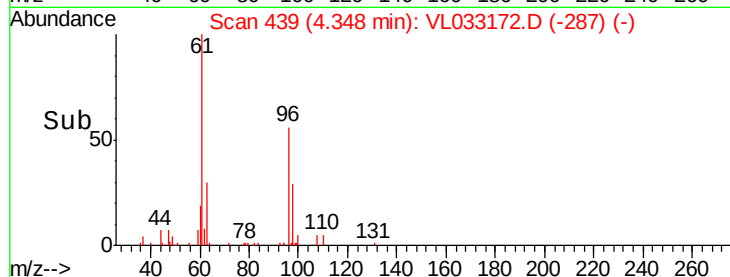
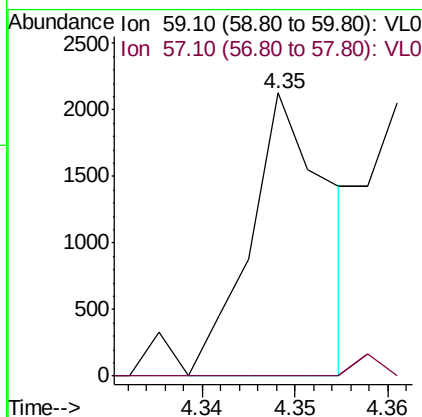
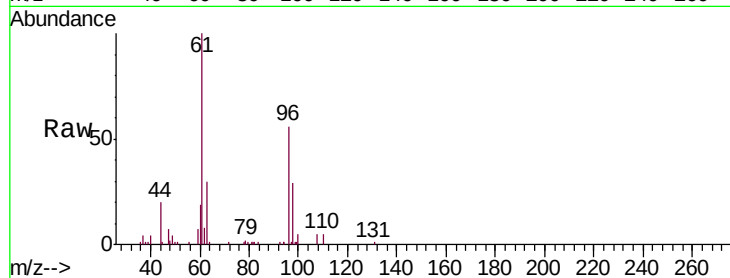




#17
 tert-Butyl alcohol
 Concen: 0.052 ppbv
 RT: 4.35 min Scan# 439
 Delta R.T. -0.01 min
 Lab File: VL033172.D
 Acq: 6 Feb 2019 3:46

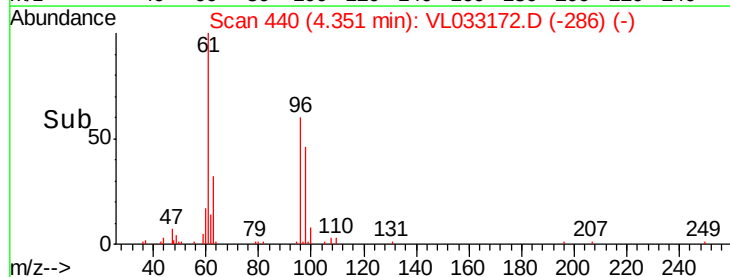
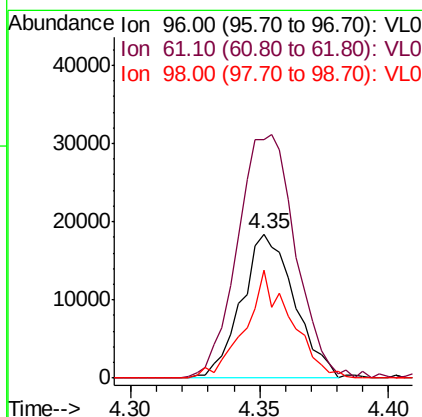
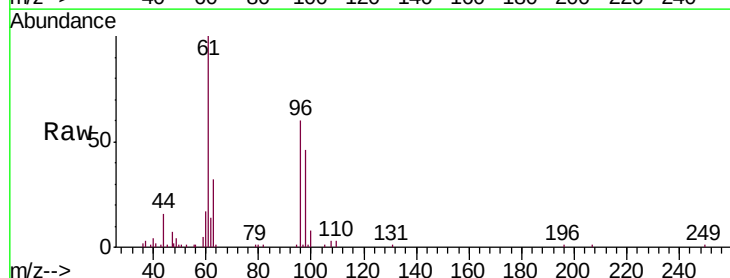
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

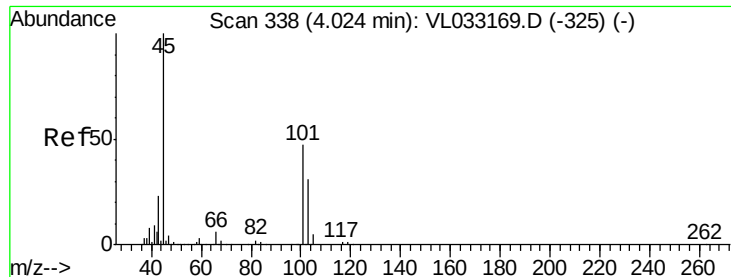
Tgt Ion: 59 Resp: 1239
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.6 11.4#



#18
 1,1-Dichloroethene
 Concen: 0.497 ppbv
 RT: 4.35 min Scan# 440
 Delta R.T. -0.00 min
 Lab File: VL033172.D
 Acq: 6 Feb 2019 3:46

Tgt Ion: 96 Resp: 26357
 Ion Ratio Lower Upper
 96 100
 61 164.2 145.0 217.6
 98 75.4 50.0 75.0#





#19

Isopropyl Alcohol

Concen: 0.557 ppbv

RT: 4.04 min Scan# 342

Delta R.T. 0.01 min

Lab File: VL033172.D

Acq: 6 Feb 2019 3:46

Instrument :

MSVOA_L

ClientSampleId :

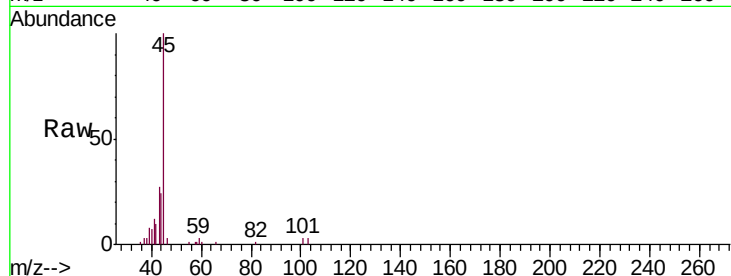
VSTDIC0.5

Tgt Ion: 45 Resp: 47005

Ion Ratio Lower Upper

45 100

58 1.5 1.5 2.3#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

4.04

30000

25000

20000

15000

10000

5000

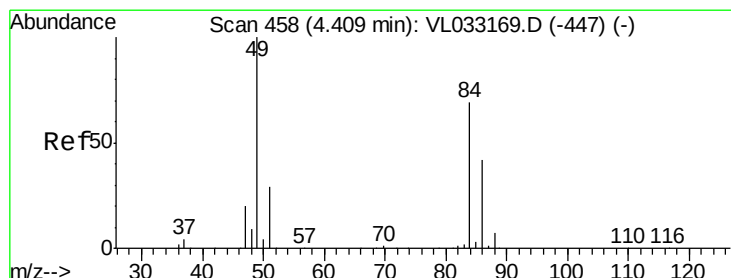
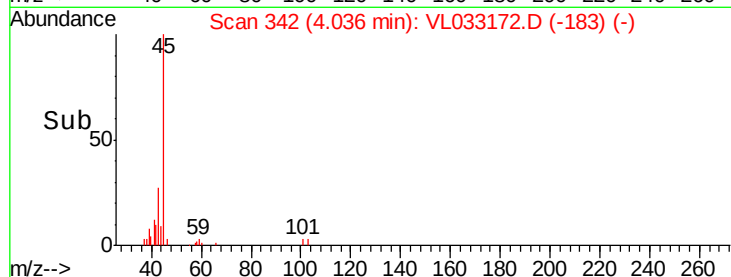
0

Time-->

4.00

4.05

4.10



#20

Methylene Chloride

Concen: 0.542 ppbv

RT: 4.41 min Scan# 459

Delta R.T. 0.00 min

Lab File: VL033172.D

Acq: 6 Feb 2019 3:46

Tgt Ion: 84 Resp: 26836

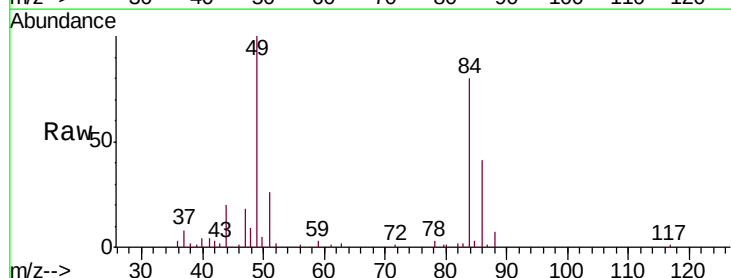
Ion Ratio Lower Upper

84 100

49 131.7 115.8 173.8

51 29.9 33.0 49.6#

86 51.3 48.2 72.2



Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

40000

30000

20000

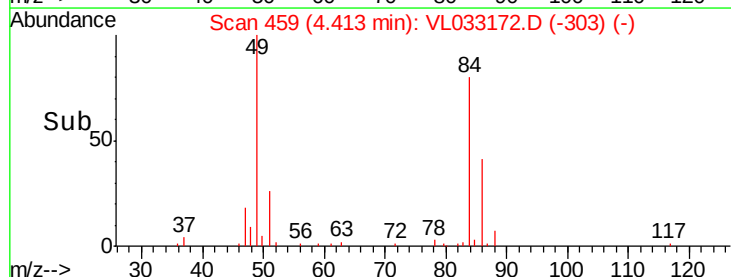
10000

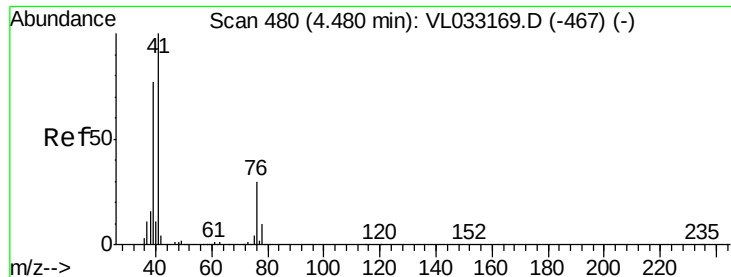
0

Time-->

4.40

4.45

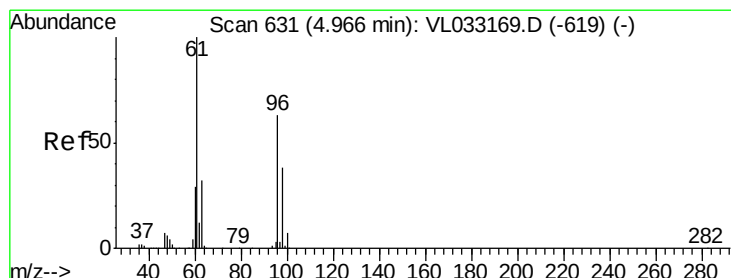
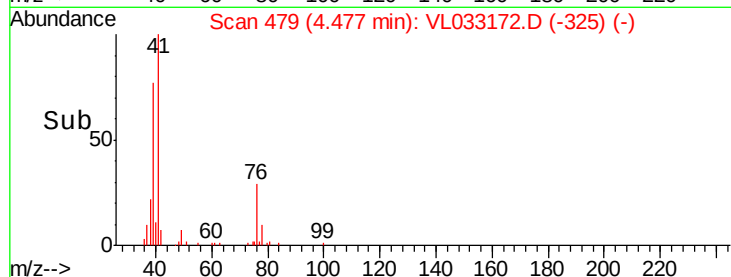
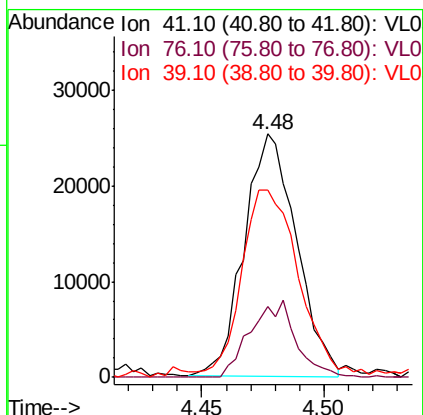
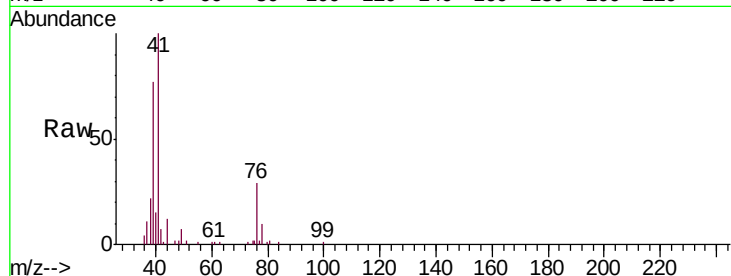




#21
 Allyl Chloride
 Concen: 0.455 ppbv
 RT: 4.48 min Scan# 479
 Delta R.T. -0.00 min
 Lab File: VL033172.D
 Acq: 6 Feb 2019 3:46

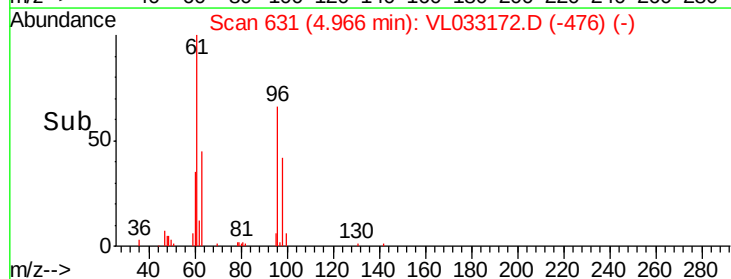
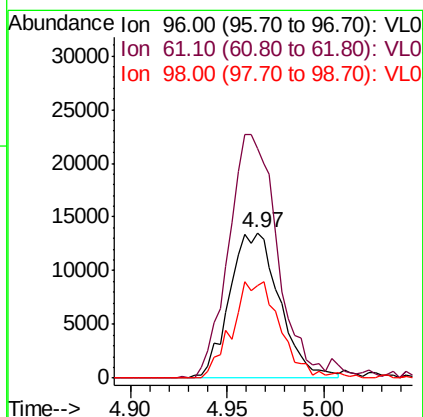
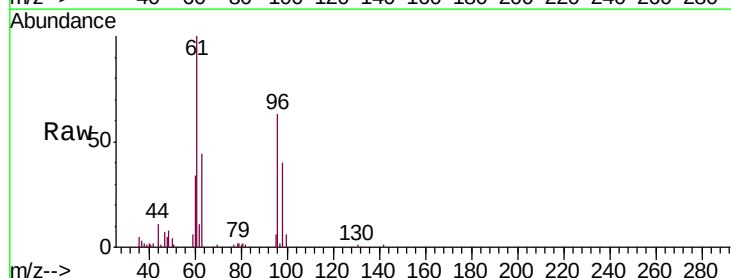
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

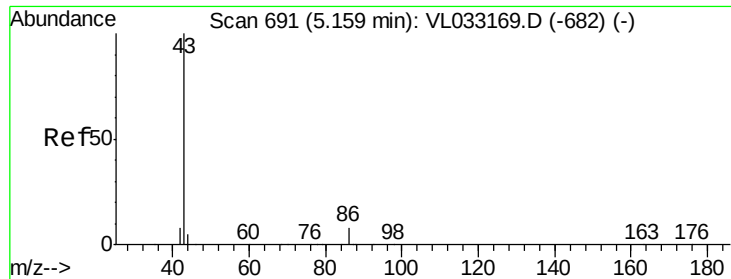
Tgt Ion: 41 Resp: 37404
 Ion Ratio Lower Upper
 41 100
 76 27.7 24.5 36.7
 39 90.2 64.1 96.1



#22
 trans-1,2-Dichloroethene
 Concen: 0.474 ppbv
 RT: 4.97 min Scan# 631
 Delta R.T. -0.00 min
 Lab File: VL033172.D
 Acq: 6 Feb 2019 3:46

Tgt Ion: 96 Resp: 24398
 Ion Ratio Lower Upper
 96 100
 61 157.7 126.4 189.6
 98 63.3 48.4 72.6





#23

Vinyl Acetate

Concen: 0.507 ppbv

RT: 5.16 min Scan# 690

Delta R.T. -0.00 min

Lab File: VL033172.D

Acq: 6 Feb 2019 3:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion: 43 Resp: 109431

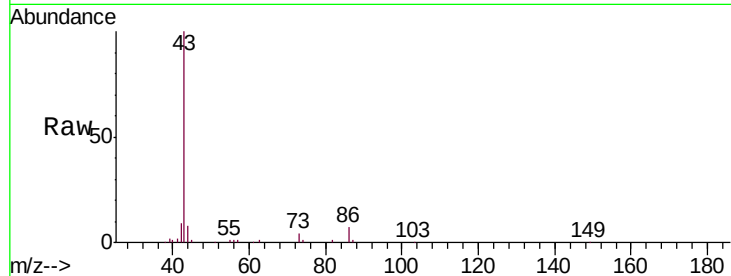
Ion Ratio Lower Upper

43 100

86 6.7 5.8 8.8

42 8.7 7.4 11.0

44 6.6 3.7 5.5#

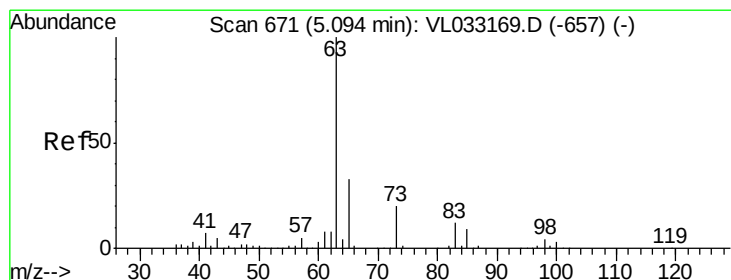
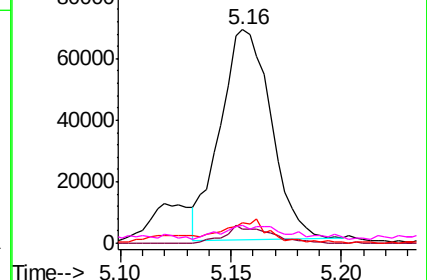
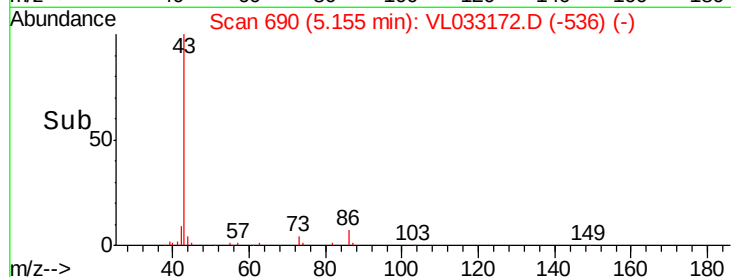


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 0.521 ppbv

RT: 5.09 min Scan# 669

Delta R.T. -0.01 min

Lab File: VL033172.D

Acq: 6 Feb 2019 3:46

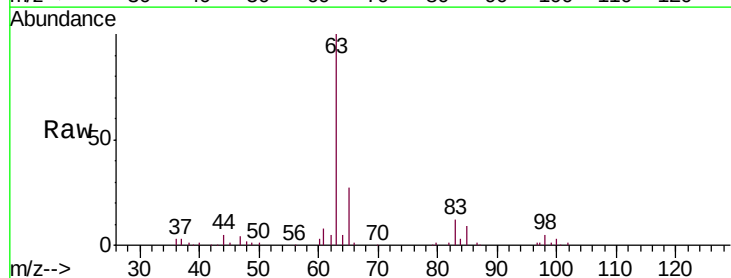
Tgt Ion: 63 Resp: 79548

Ion Ratio Lower Upper

63 100

98 4.7 2.1 6.5

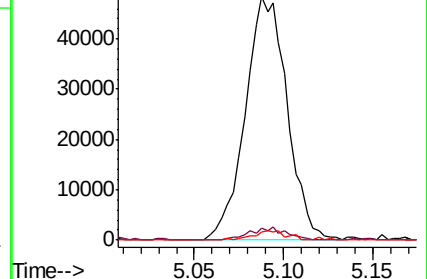
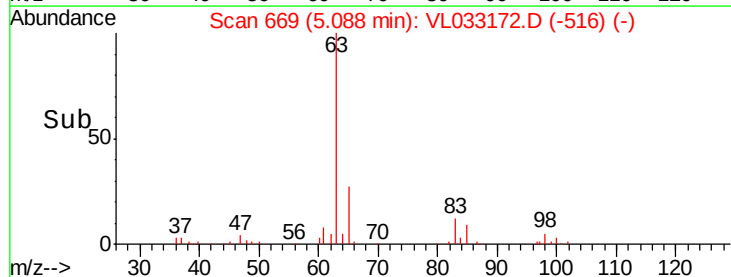
100 3.2 1.4 4.2

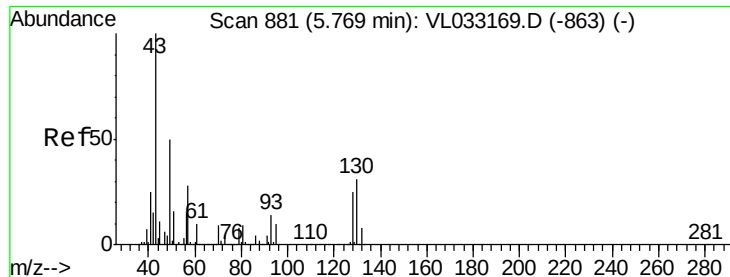


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

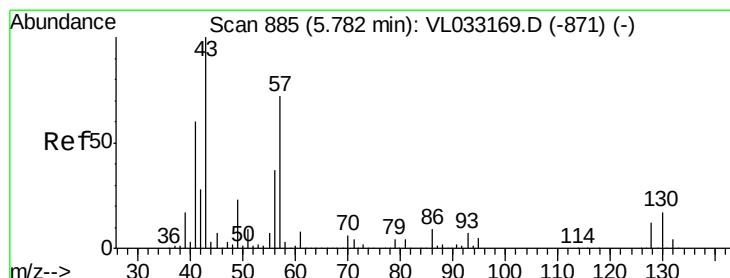
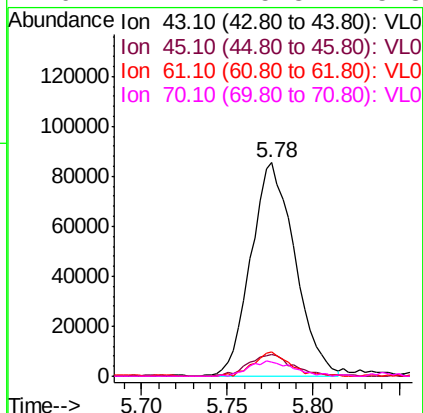
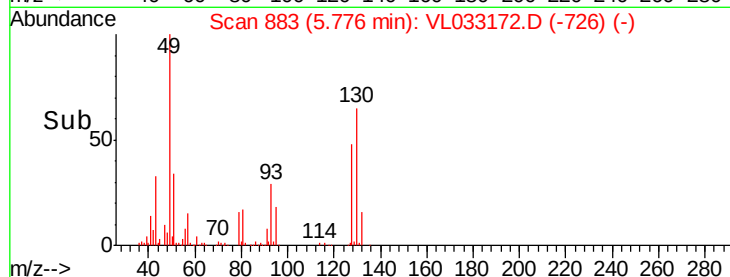
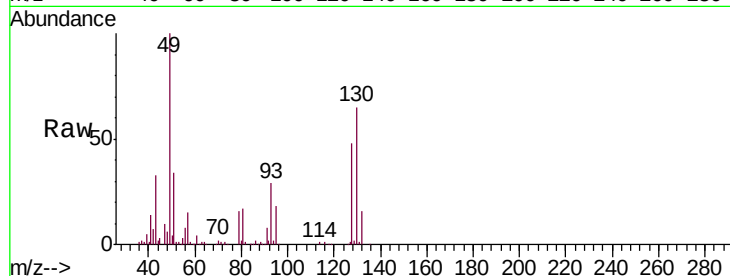




#25
Ethyl Acetate
Concen: 0.543 ppbv
RT: 5.78 min Scan# 883
Delta R.T. 0.01 min
Lab File: VL033172.D
Acq: 6 Feb 2019 3:46

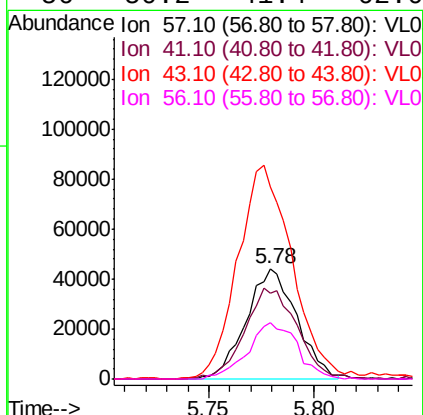
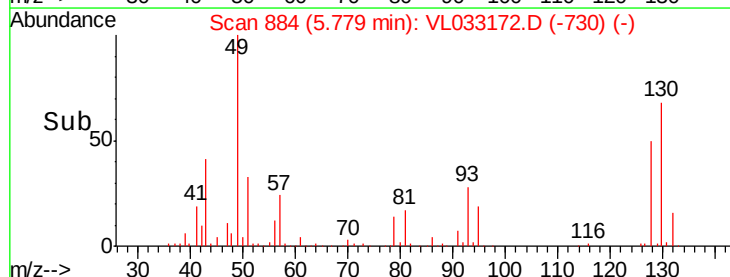
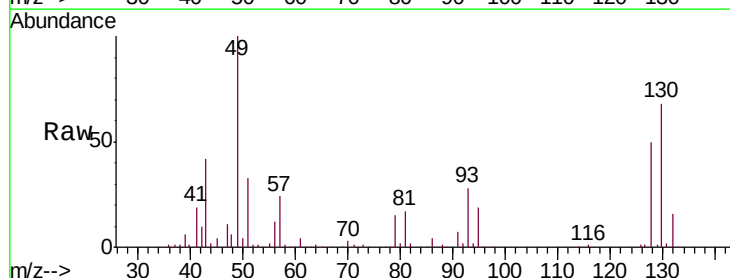
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

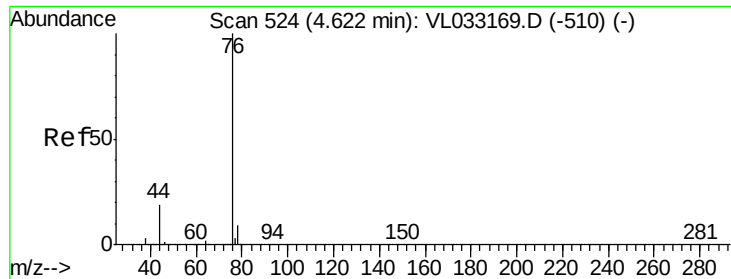
Tgt Ion:	43	Resp:	151980
Ion	Ratio	Lower	Upper
43	100		
45	10.5	7.9	11.9
61	9.8	7.5	11.3
70	7.2	5.8	8.8



#26
Hexane
Concen: 0.560 ppbv
RT: 5.78 min Scan# 884
Delta R.T. -0.00 min
Lab File: VL033172.D
Acq: 6 Feb 2019 3:46

Tgt Ion:	57	Resp:	73535
Ion	Ratio	Lower	Upper
57	100		
41	85.9	69.4	104.2
43	215.0	176.7	265.1
56	50.2	41.4	62.0





#27

Carbon Disulfide

Concen: 0.416 ppbv

RT: 4.62 min Scan# 525

Delta R.T. 0.00 min

Lab File: VL033172.D

Acq: 6 Feb 2019 3:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

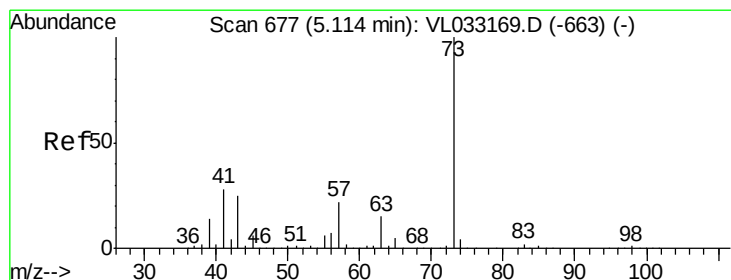
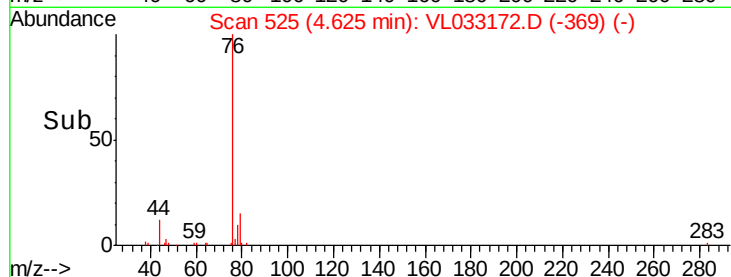
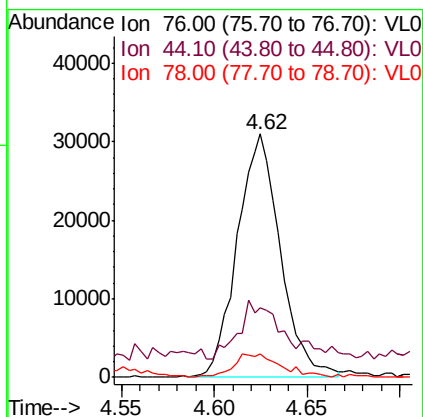
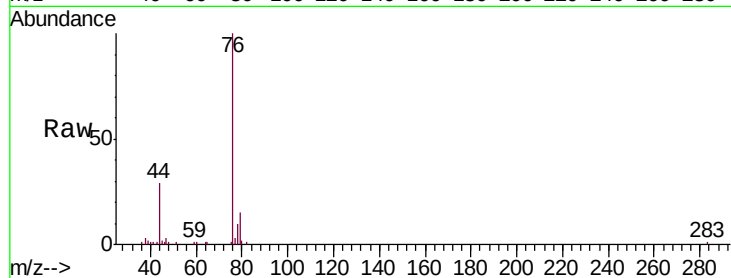
Tgt Ion: 76 Resp: 50060

Ion Ratio Lower Upper

76 100

44 33.3 15.0 22.4#

78 11.1 7.4 11.0#



#28

Methyl tert-Butyl Ether

Concen: 0.497 ppbv

RT: 5.12 min Scan# 680

Delta R.T. 0.01 min

Lab File: VL033172.D

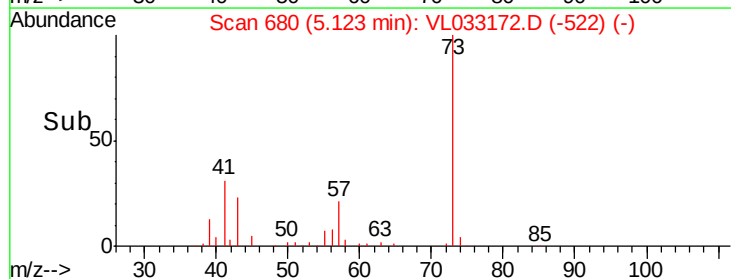
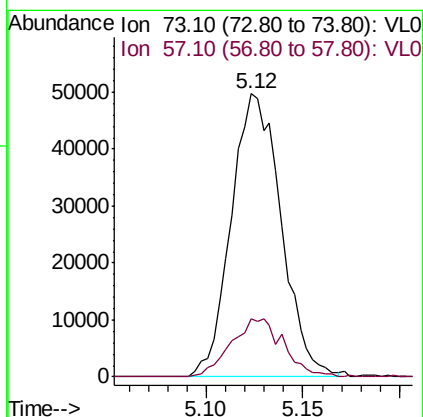
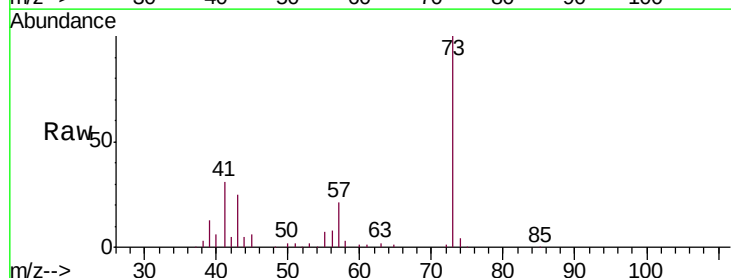
Acq: 6 Feb 2019 3:46

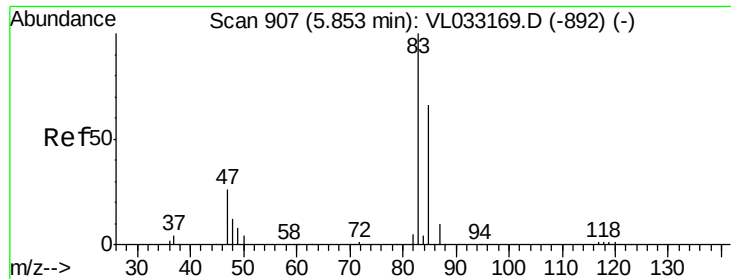
Tgt Ion: 73 Resp: 89296

Ion Ratio Lower Upper

73 100

57 21.6 17.9 26.9

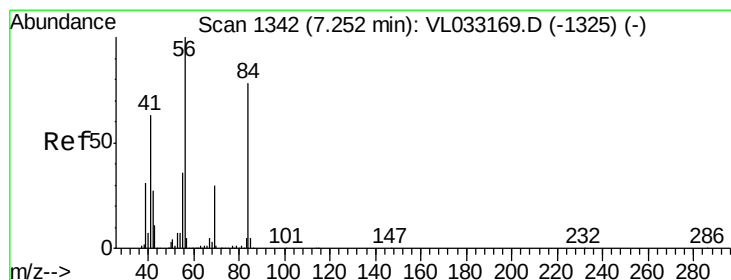
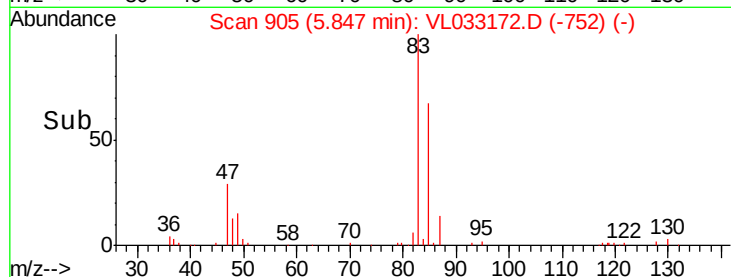
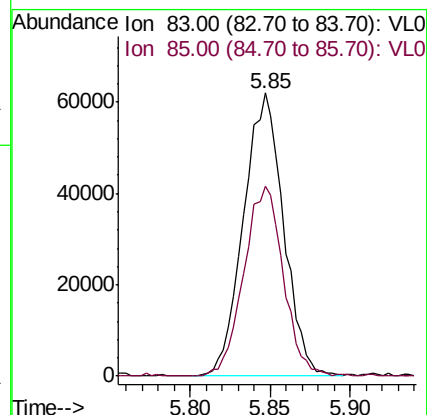
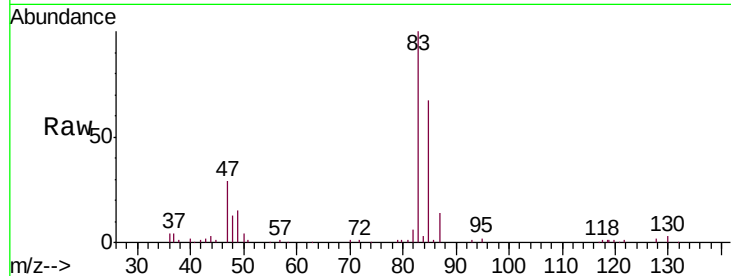




#29
Chloroform
Concen: 0.525 ppbv
RT: 5.85 min Scan# 905
Delta R.T. -0.01 min
Lab File: VL033172.D
Acq: 6 Feb 2019 3:46

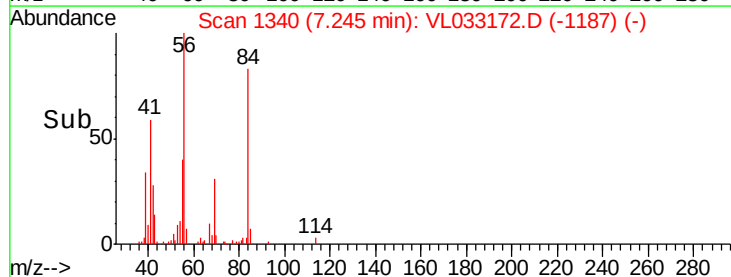
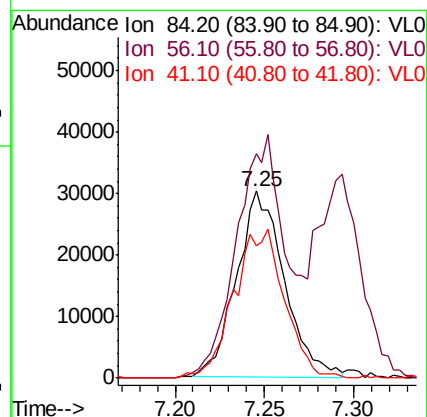
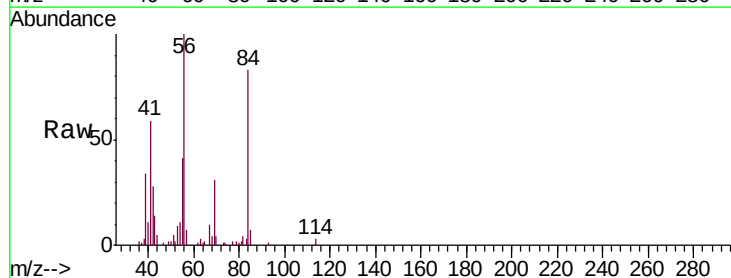
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

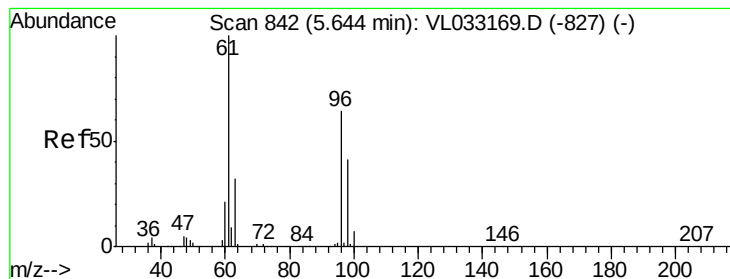
Tgt Ion: 83 Resp: 105776
Ion Ratio Lower Upper
83 100
85 66.8 52.6 78.8



#30
Cyclohexane
Concen: 0.466 ppbv
RT: 7.25 min Scan# 1340
Delta R.T. -0.01 min
Lab File: VL033172.D
Acq: 6 Feb 2019 3:46

Tgt Ion: 84 Resp: 56828
Ion Ratio Lower Upper
84 100
56 126.2 109.5 164.3
41 84.2 66.6 100.0



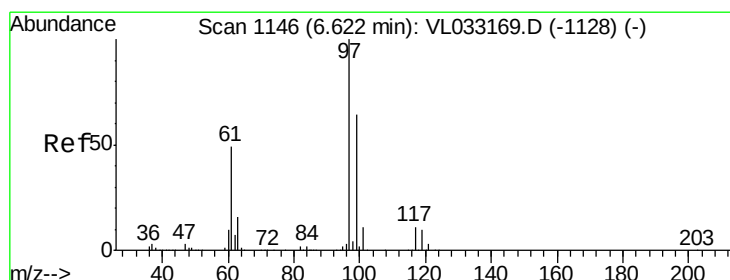
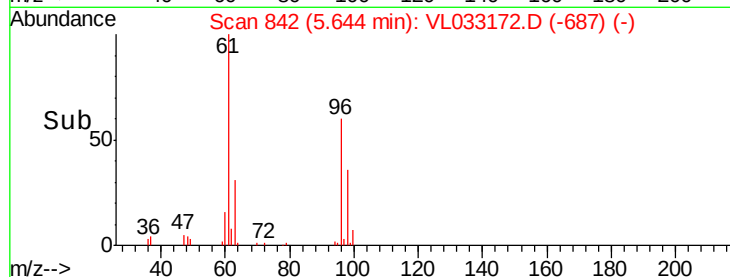
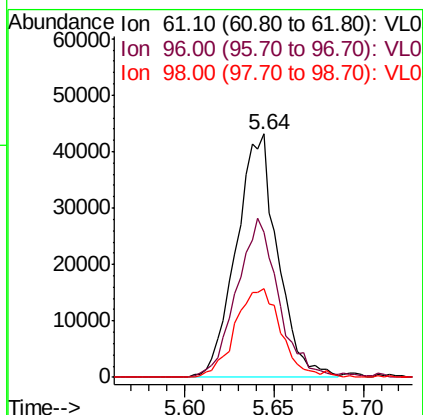
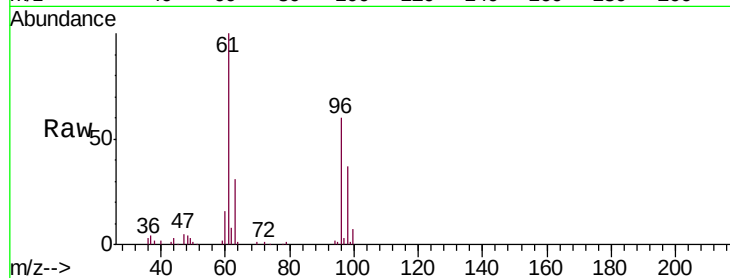


#31

cis-1,2-Dichloroethene
 Concen: 0.532 ppbv
 RT: 5.64 min Scan# 842
 Delta R.T. -0.00 min
 Lab File: VL033172.D
 Acq: 6 Feb 2019 3:46

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

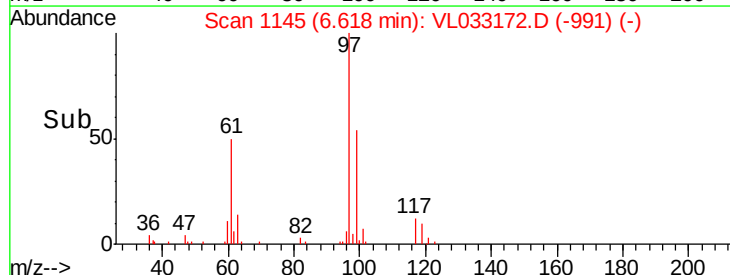
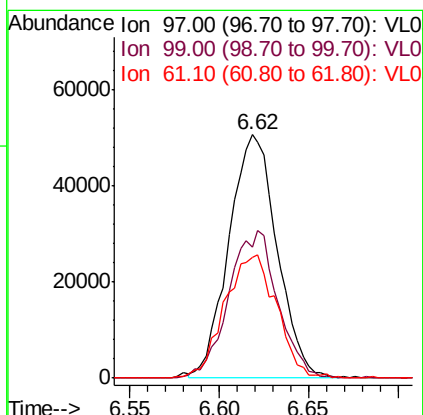
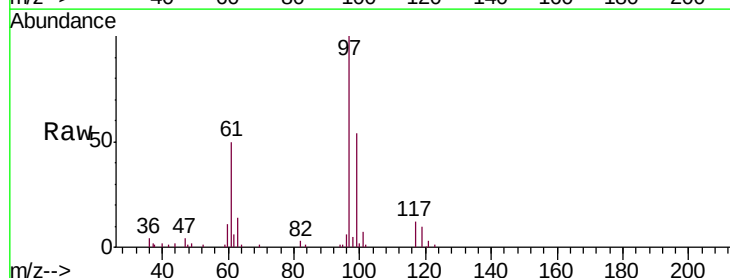
Tgt Ion	Ratio	Lower	Upper
61	100		
96	62.2	51.2	76.8
98	36.7	32.8	49.2

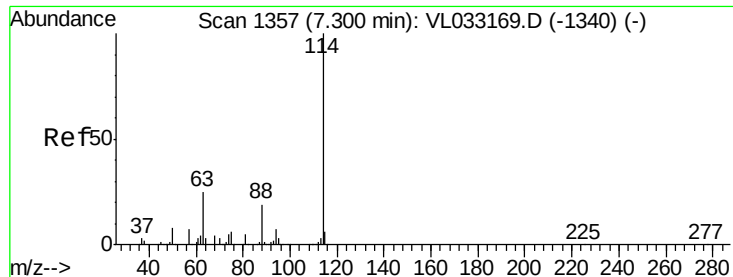


#32

1,1,1-Trichloroethane
 Concen: 0.432 ppbv
 RT: 6.62 min Scan# 1145
 Delta R.T. -0.00 min
 Lab File: VL033172.D
 Acq: 6 Feb 2019 3:46

Tgt Ion	Ratio	Lower	Upper
97	100		
99	61.5	51.4	77.2
61	54.4	38.8	58.2





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.29 min Scan# 1354

Delta R.T. -0.01 min

Lab File: VL033172.D

Acq: 6 Feb 2019 3:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

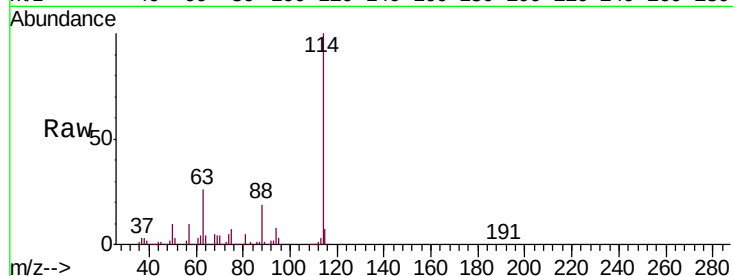
Tgt Ion:114 Resp: 2589140

Ion Ratio Lower Upper

114 100

63 25.8 20.8 31.2

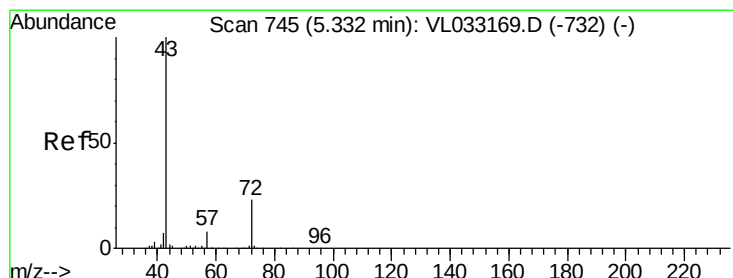
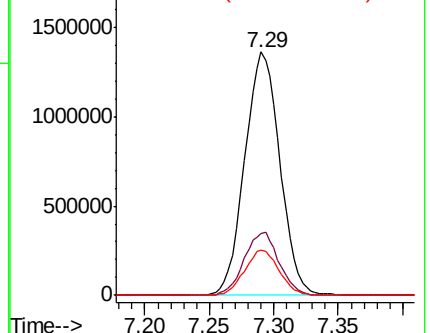
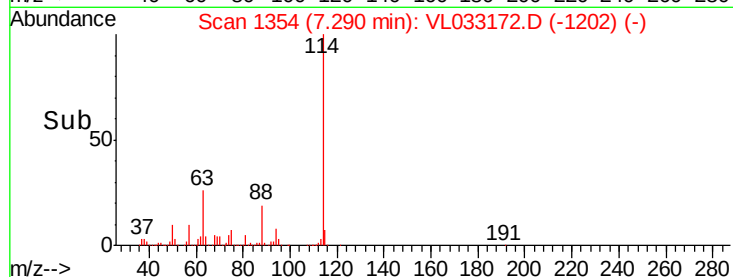
88 18.3 14.6 22.0



Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 0.600 ppbv

RT: 5.34 min Scan# 747

Delta R.T. 0.01 min

Lab File: VL033172.D

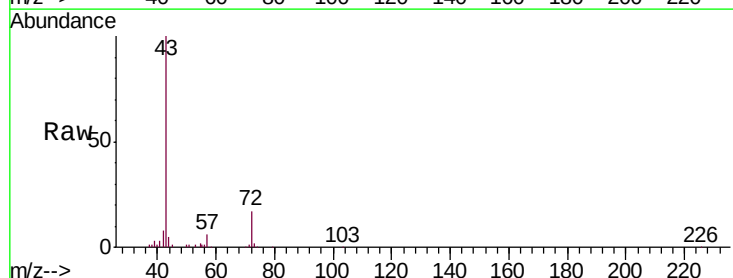
Acq: 6 Feb 2019 3:46

Tgt Ion: 43 Resp: 98566

Ion Ratio Lower Upper

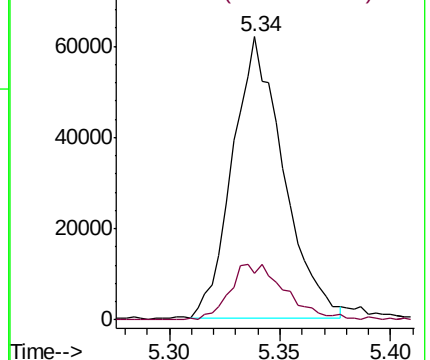
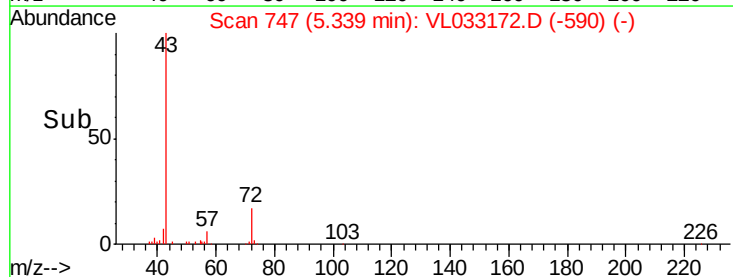
43 100

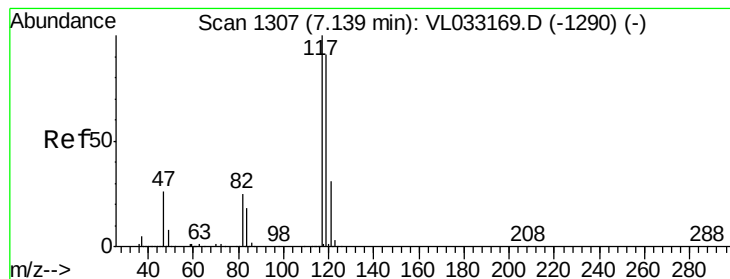
72 21.8 17.8 26.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 0.468 ppbv

RT: 7.14 min Scan# 1306

Delta R.T. -0.00 min

Lab File: VL033172.D

Acq: 6 Feb 2019 3:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

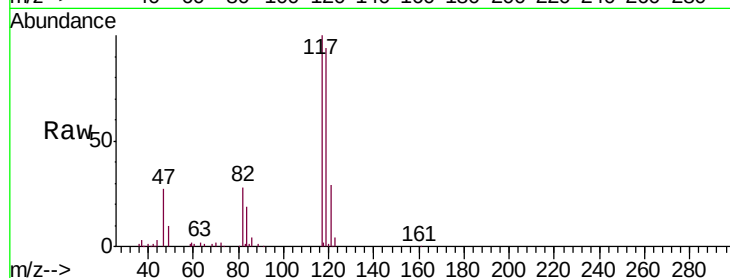
Tgt Ion: 117 Resp: 92619

Ion Ratio Lower Upper

117 100

119 94.4 73.0 109.6

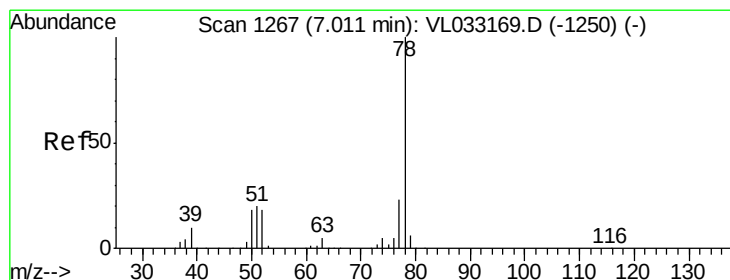
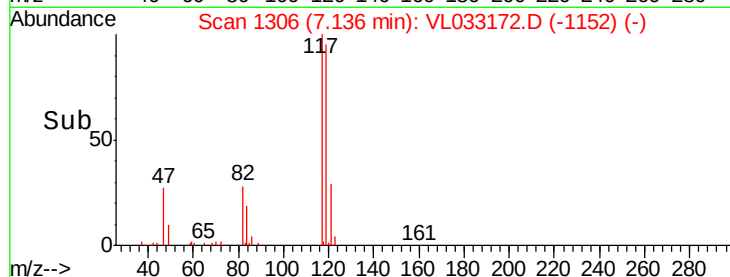
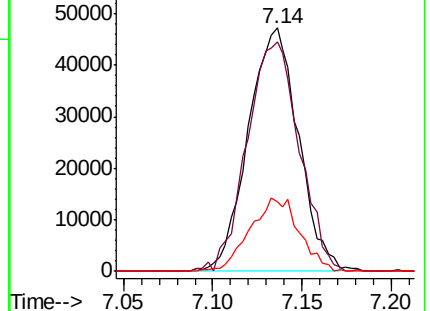
121 29.1 25.1 37.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 0.548 ppbv

RT: 7.00 min Scan# 1265

Delta R.T. -0.01 min

Lab File: VL033172.D

Acq: 6 Feb 2019 3:46

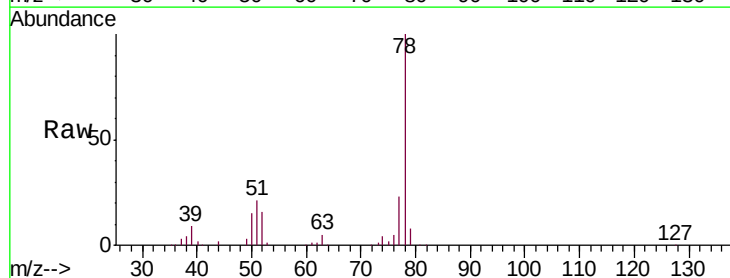
Tgt Ion: 78 Resp: 143752

Ion Ratio Lower Upper

78 100

77 22.9 18.0 27.0

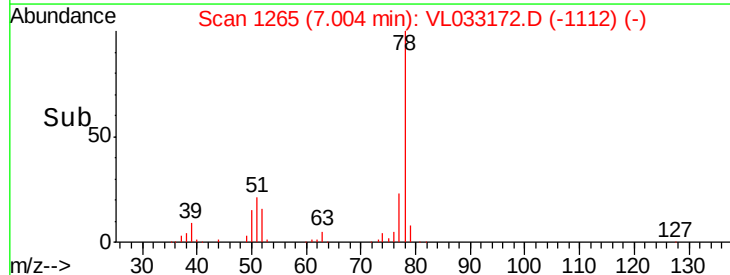
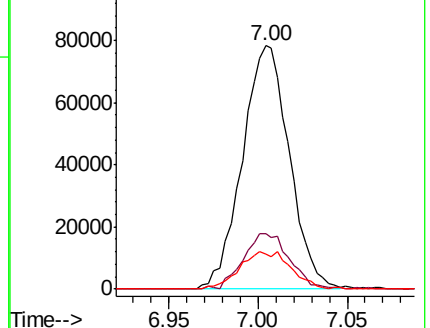
50 14.6 14.2 21.2

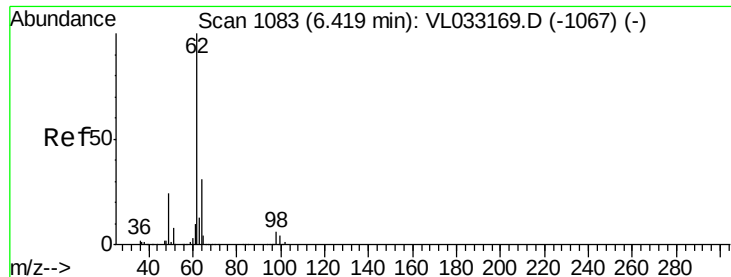


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

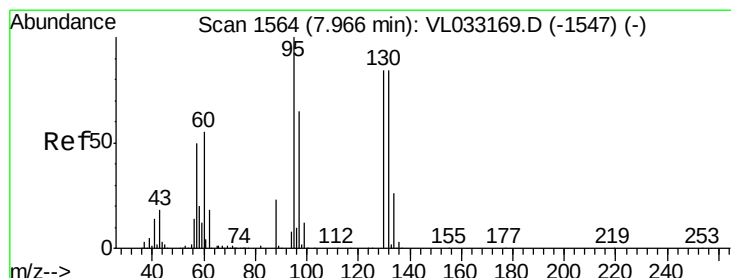
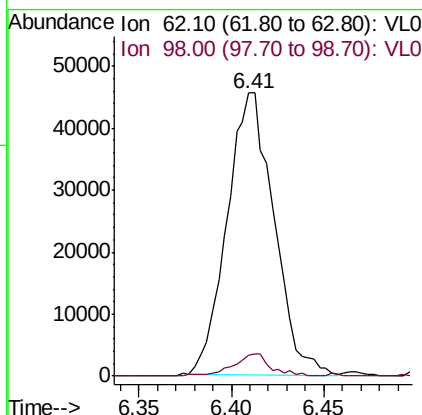
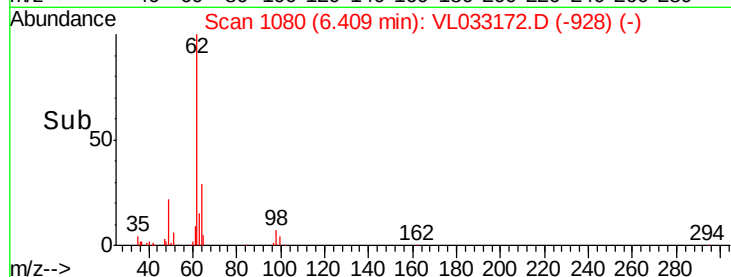
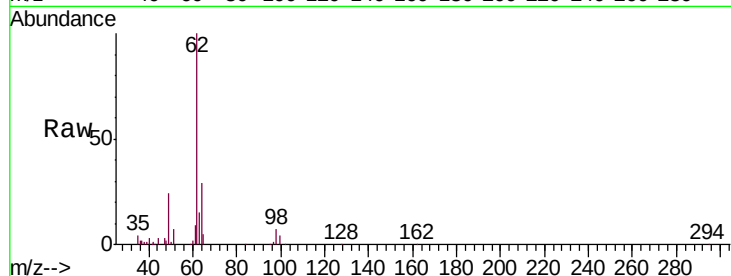




#37
1,2-Dichloroethane
Concen: 0.552 ppbv
RT: 6.41 min Scan# 1080
Delta R.T. -0.01 min
Lab File: VL033172.D
Acq: 6 Feb 2019 3:46

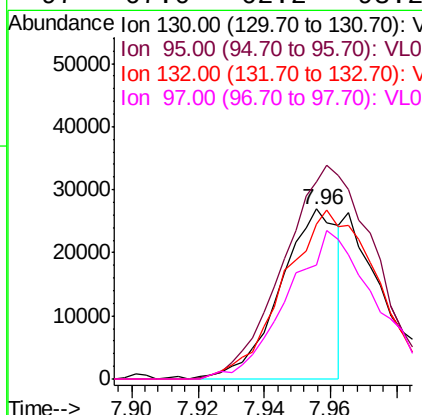
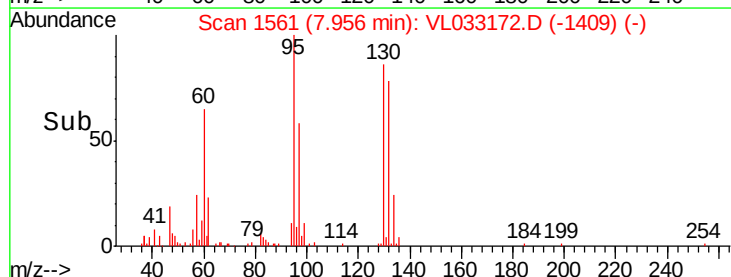
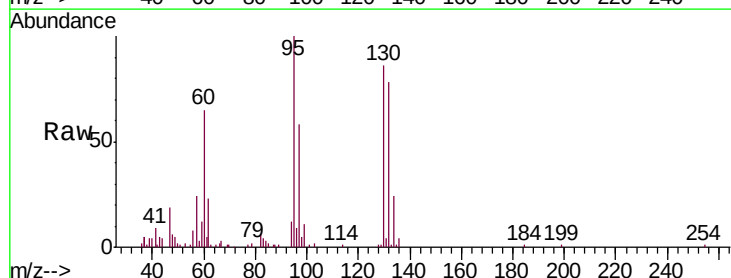
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

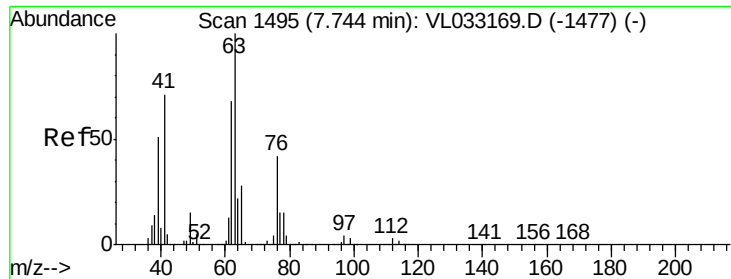
Tgt Ion: 62 Resp: 80323
Ion Ratio Lower Upper
62 100
98 6.3 4.7 7.1



#38
Trichloroethene
Concen: 0.291 ppbv
RT: 7.96 min Scan# 1561
Delta R.T. -0.01 min
Lab File: VL033172.D
Acq: 6 Feb 2019 3:46

Tgt Ion: 130 Resp: 32744
Ion Ratio Lower Upper
130 100
95 116.2 95.5 143.3
132 92.2 80.0 120.0
97 67.0 62.2 93.2

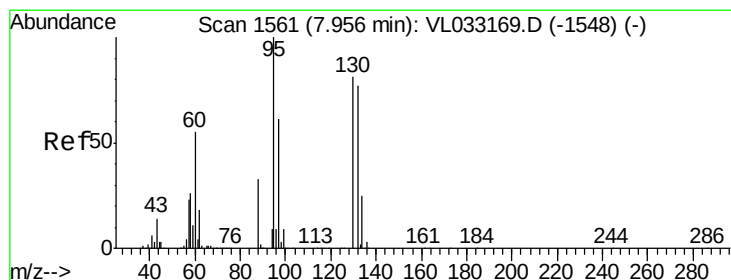
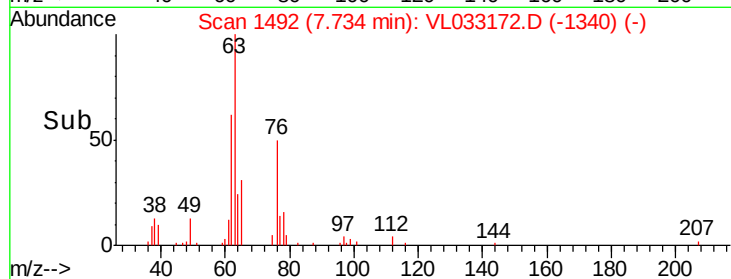
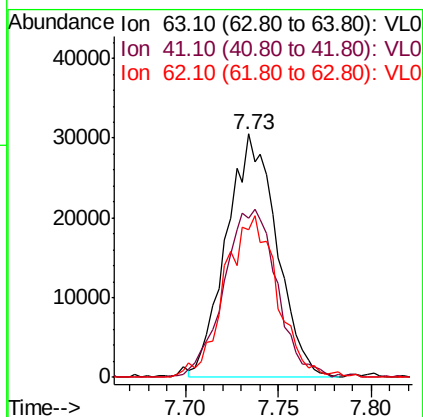
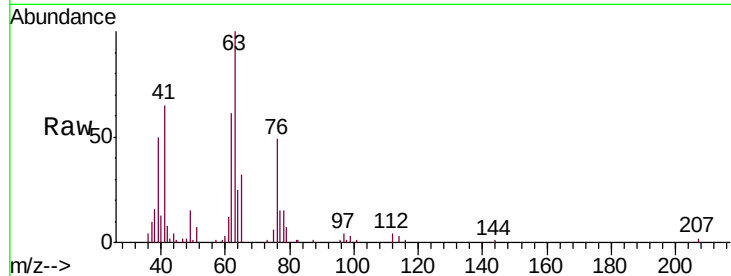




#39
 1,2-Dichloropropane
 Concen: 0.555 ppbv
 RT: 7.73 min Scan# 1492
 Delta R.T. -0.01 min
 Lab File: VL033172.D
 Acq: 6 Feb 2019 3:46

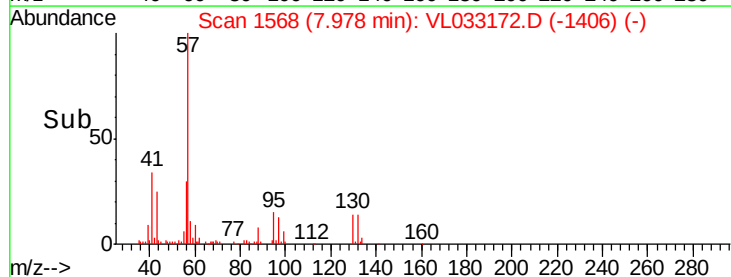
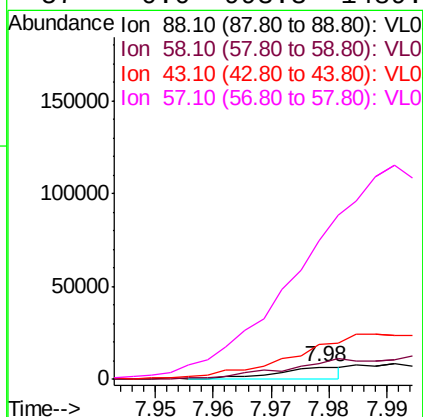
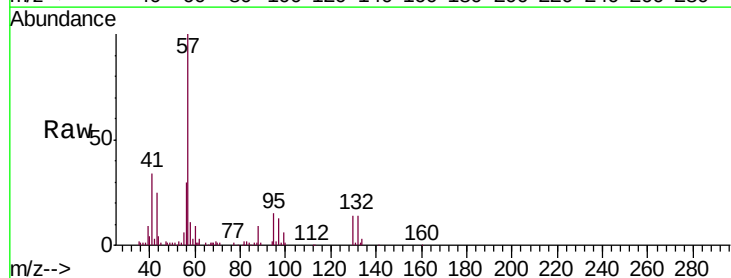
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

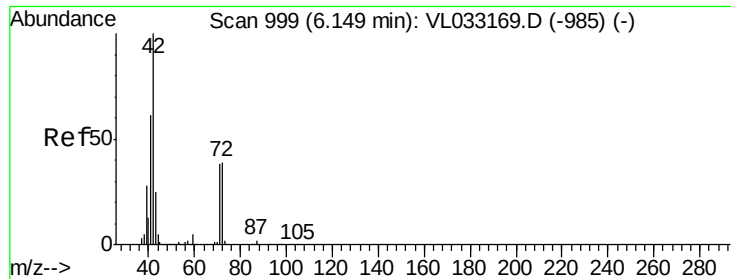
Tgt Ion: 63 Resp: 57526
 Ion Ratio Lower Upper
 63 100
 41 64.4 56.4 84.6
 62 58.5 54.2 81.4



#40
 1,4-Dioxane
 Concen: 0.135 ppbv
 RT: 7.98 min Scan# 1568
 Delta R.T. 0.02 min
 Lab File: VL033172.D
 Acq: 6 Feb 2019 3:46

Tgt Ion: 88 Resp: 5101
 Ion Ratio Lower Upper
 88 100
 58 0.0 106.4 159.6#
 43 0.0 219.6 329.4#
 57 0.0 993.3 1489.9#

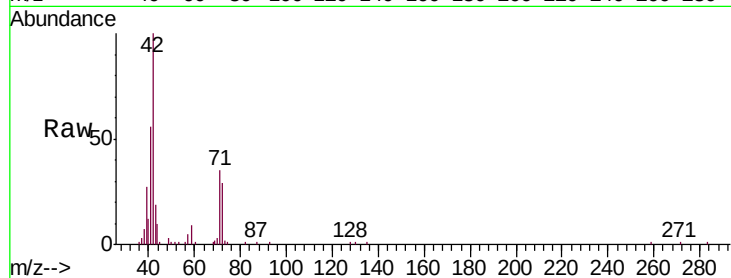




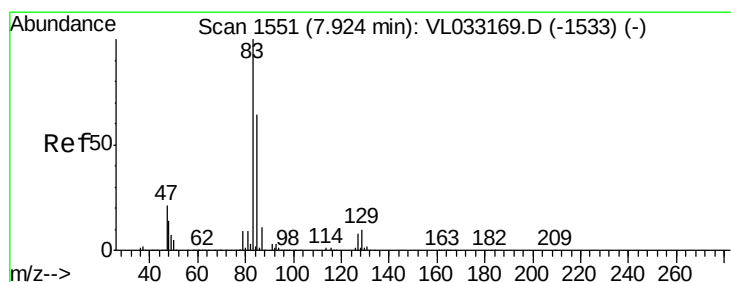
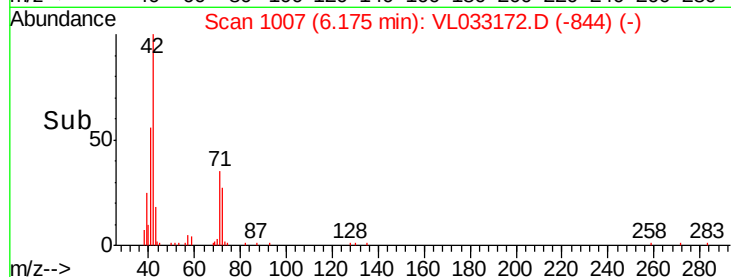
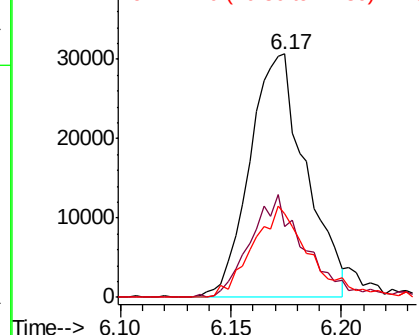
#41
Tetrahydrofuran
Concen: 0.533 ppbv
RT: 6.17 min Scan# 1007
Delta R.T. 0.03 min
Lab File: VL033172.D
Acq: 6 Feb 2019 3:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 42 Resp: 54191
Ion Ratio Lower Upper
42 100
72 42.1 31.4 47.2
71 39.0 30.2 45.2

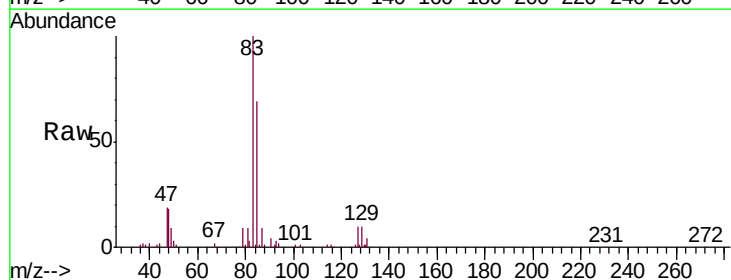


Abundance Ion 42.10 (41.80 to 42.80): VL0
Ion 72.10 (71.80 to 72.80): VL0
Ion 71.10 (70.80 to 71.80): VL0

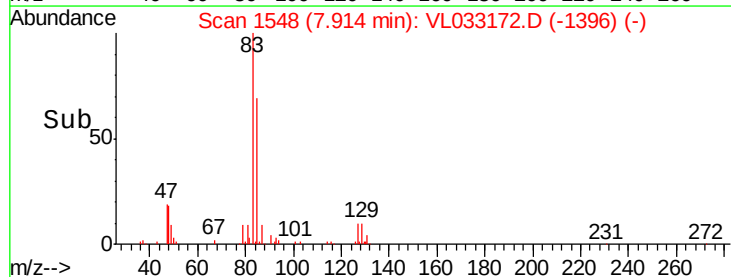
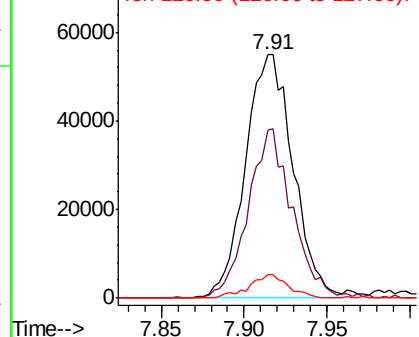


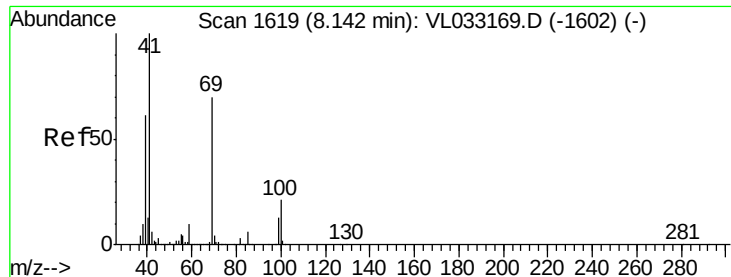
#42
Bromodichloromethane
Concen: 0.522 ppbv
RT: 7.91 min Scan# 1548
Delta R.T. -0.01 min
Lab File: VL033172.D
Acq: 6 Feb 2019 3:46

Tgt Ion: 83 Resp: 110059
Ion Ratio Lower Upper
83 100
85 68.8 51.1 76.7
127 9.7 6.4 9.6#



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): V

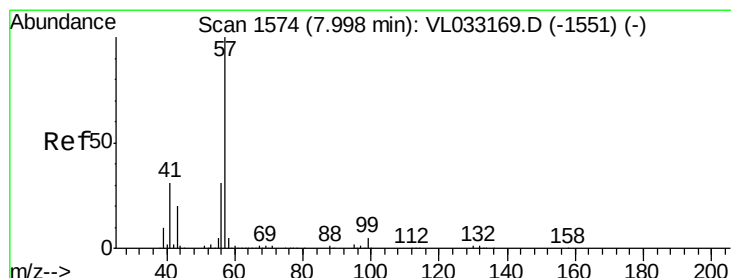
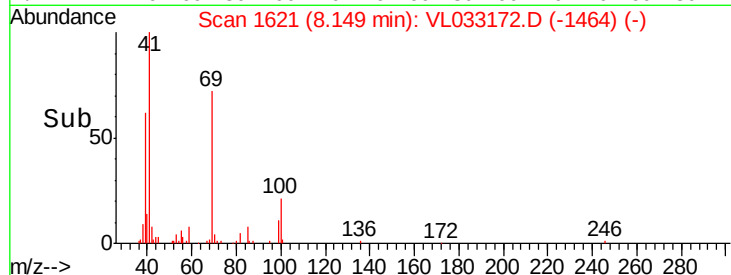
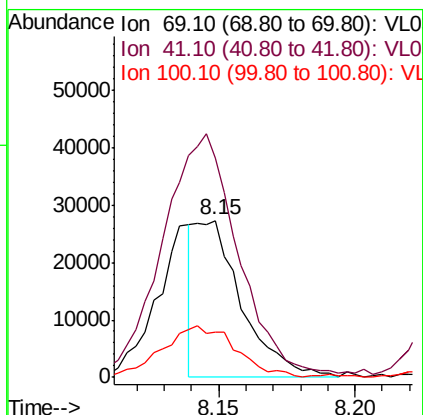
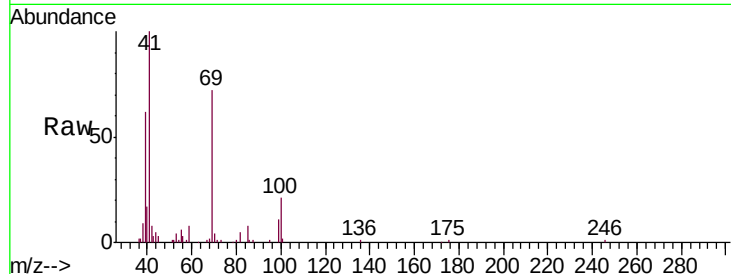




#43
Methyl Methacrylate
Concen: 0.306 ppbv
RT: 8.15 min Scan# 1621
Delta R.T. 0.01 min
Lab File: VL033172.D
Acq: 6 Feb 2019 3:46

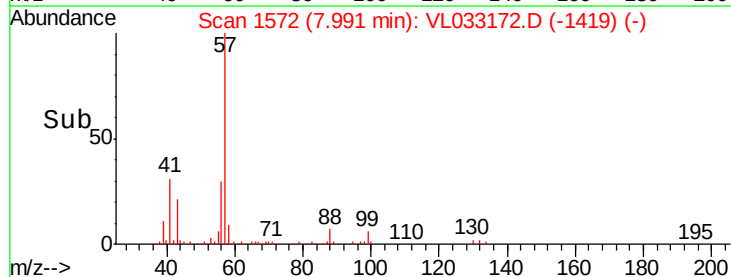
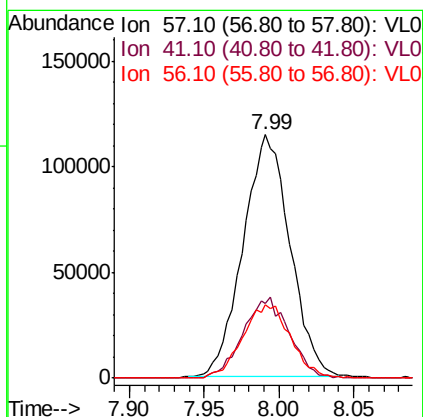
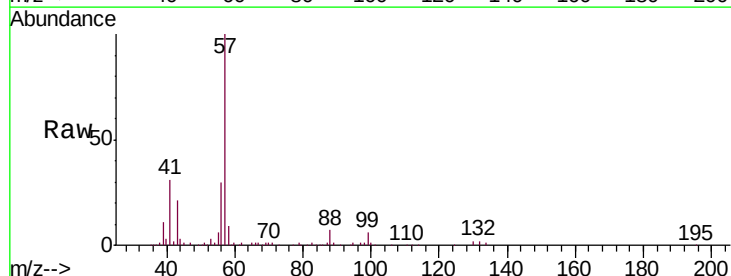
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

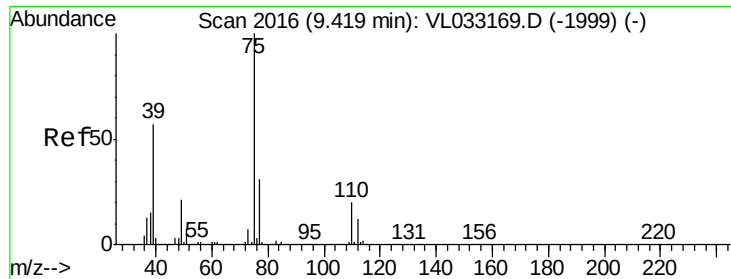
Tgt Ion: 69 Resp: 32192
Ion Ratio Lower Upper
69 100
41 257.3 117.1 175.7#
100 54.1 25.0 37.6#



#44
2,2,4-Trimethylpentane
Concen: 0.562 ppbv
RT: 7.99 min Scan# 1572
Delta R.T. -0.01 min
Lab File: VL033172.D
Acq: 6 Feb 2019 3:46

Tgt Ion: 57 Resp: 249808
Ion Ratio Lower Upper
57 100
41 33.2 25.2 37.8
56 31.3 24.5 36.7





#45

t-1,3-Dichloropropene

Concen: 0.253 ppbv

RT: 9.42 min Scan# 2015

Delta R.T. -0.00 min

Lab File: VL033172.D

Acq: 6 Feb 2019 3:46

Instrument :

MSVOA_L

ClientSampleId :

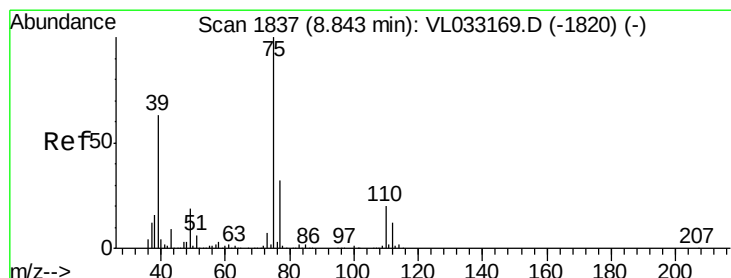
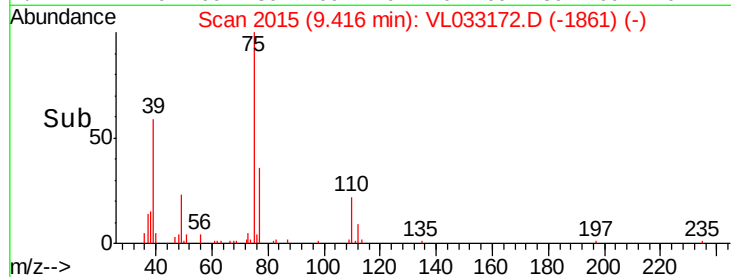
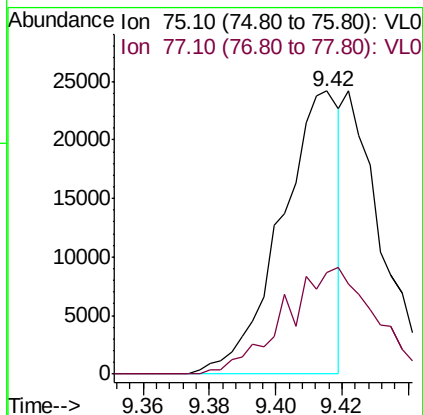
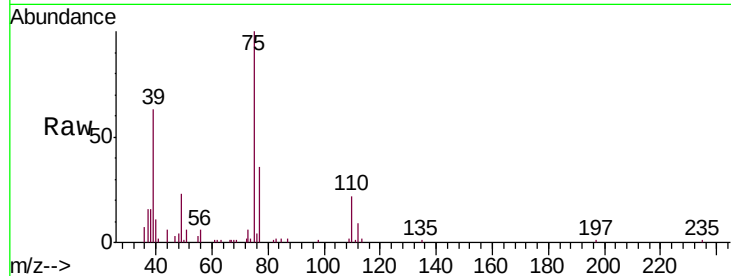
VSTDIC0.5

Tgt Ion: 75 Resp: 29618

Ion Ratio Lower Upper

75 100

77 36.0 25.0 37.4



#46

cis-1,3-Dichloropropene

Concen: 0.498 ppbv

RT: 8.84 min Scan# 1836

Delta R.T. -0.00 min

Lab File: VL033172.D

Acq: 6 Feb 2019 3:46

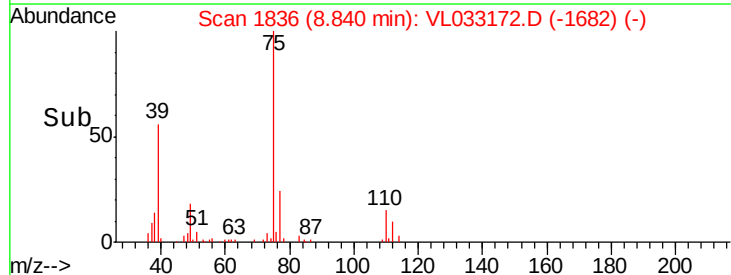
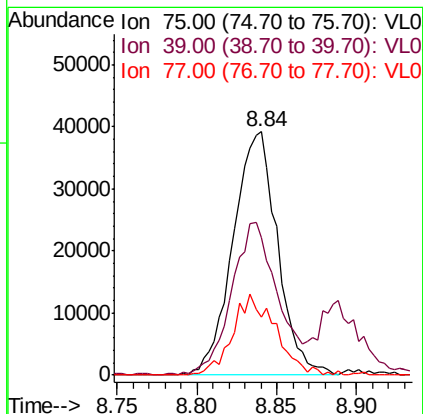
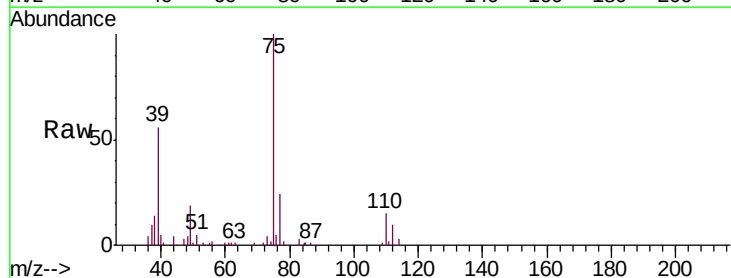
Tgt Ion: 75 Resp: 74276

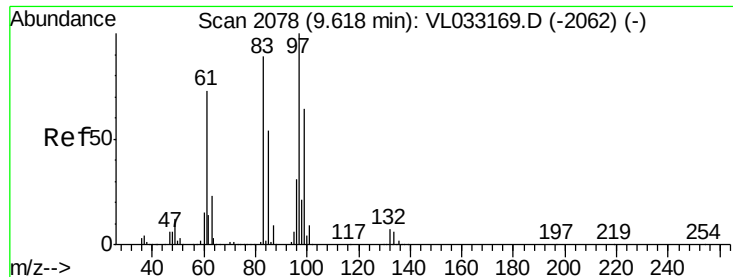
Ion Ratio Lower Upper

75 100

39 55.5 50.1 75.1

77 23.7 25.4 38.2#





#47

1,1,2-Trichloroethane

Concen: 0.260 ppbv

RT: 9.61 min Scan# 2075

Delta R.T. -0.01 min

Lab File: VL033172.D

Acq: 6 Feb 2019 3:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion: 97 Resp: 27977

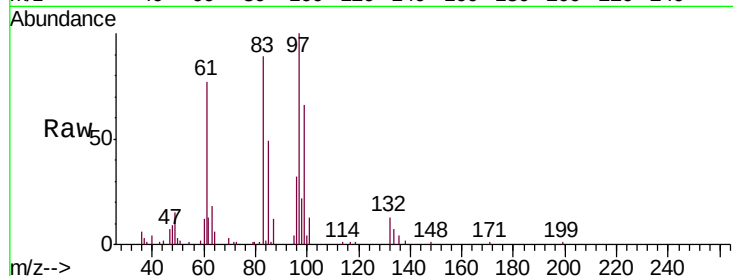
Ion Ratio Lower Upper

97 100

83 87.5 71.4 107.2

85 45.9 43.5 65.3

99 66.9 51.4 77.0



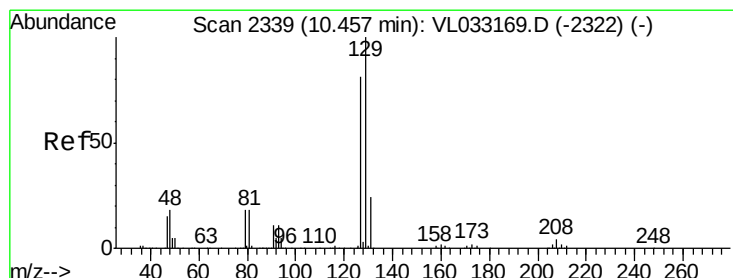
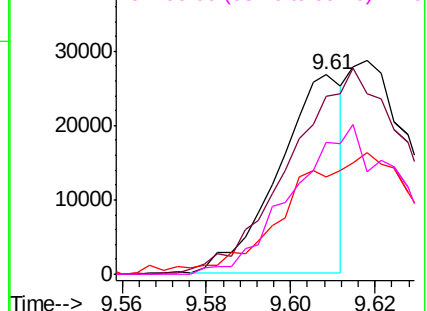
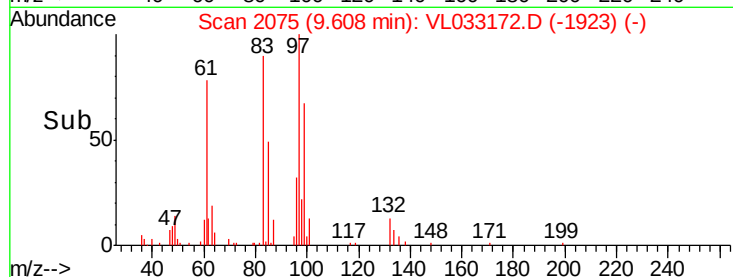
Abundance

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: 0.483 ppbv

RT: 10.45 min Scan# 2336

Delta R.T. -0.01 min

Lab File: VL033172.D

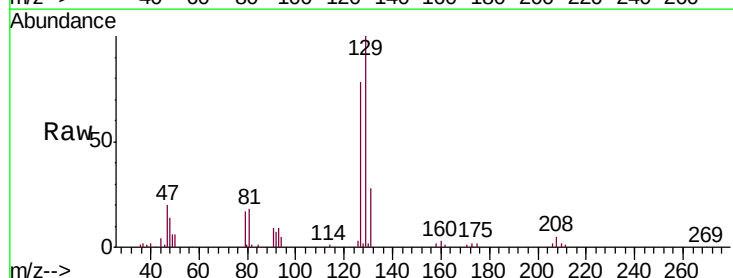
Acq: 6 Feb 2019 3:46

Tgt Ion: 129 Resp: 81771

Ion Ratio Lower Upper

129 100

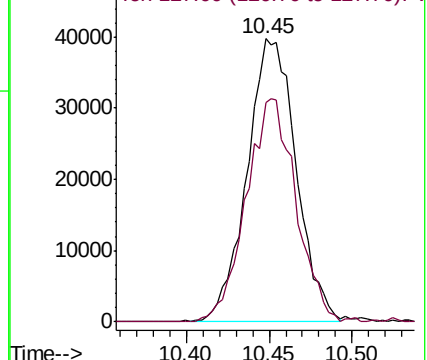
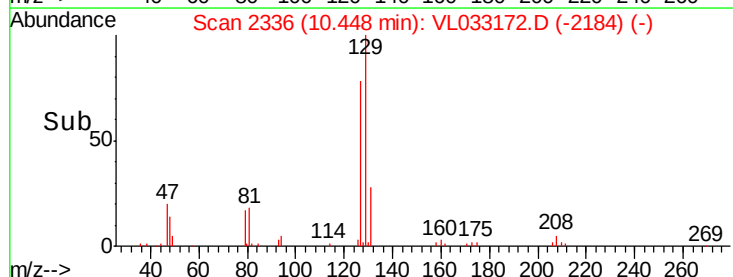
127 80.2 39.1 117.3

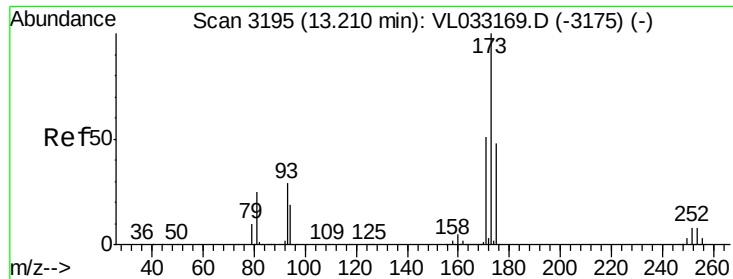


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 0.468 ppbv

RT: 13.20 min Scan# 3192

Delta R.T. -0.01 min

Lab File: VL033172.D

Acq: 6 Feb 2019 3:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

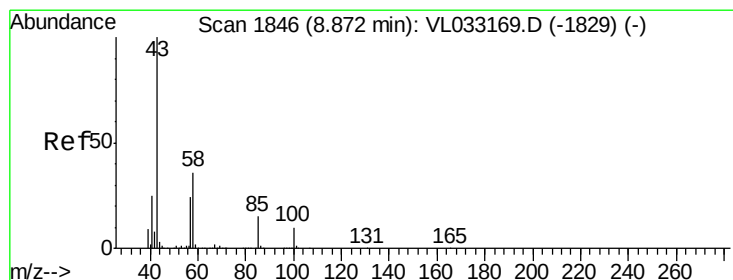
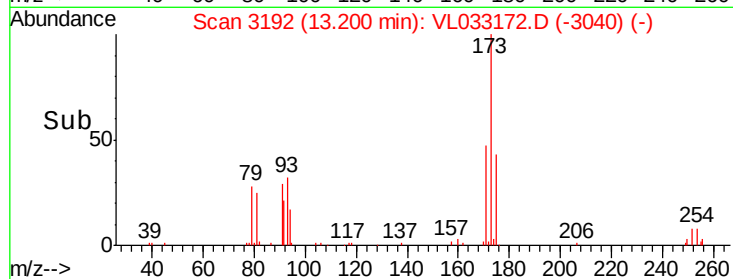
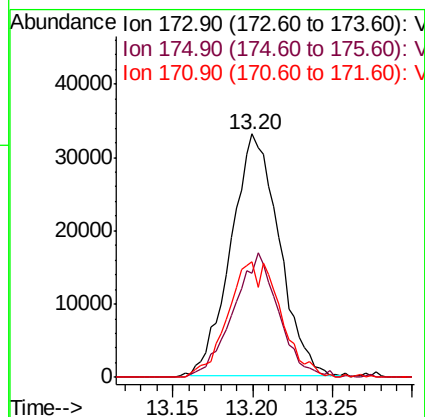
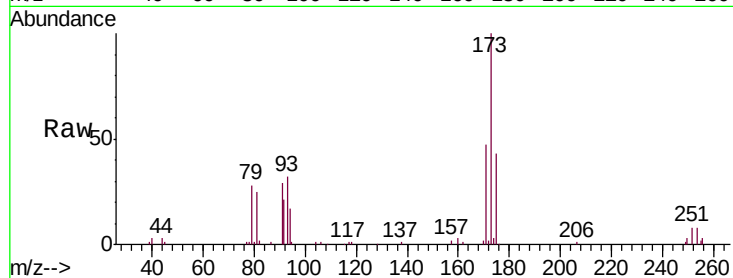
Tgt Ion:173 Resp: 68140

Ion Ratio Lower Upper

173 100

175 48.3 38.6 58.0

171 51.9 41.6 62.4



#50

4-Methyl-2-Pentanone

Concen: 0.329 ppbv

RT: 8.89 min Scan# 1850

Delta R.T. 0.01 min

Lab File: VL033172.D

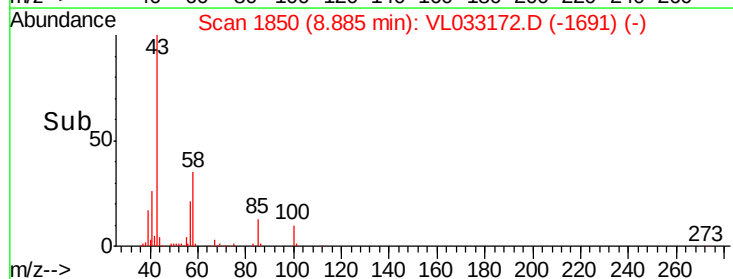
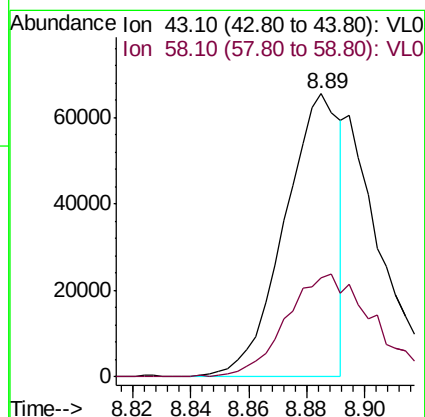
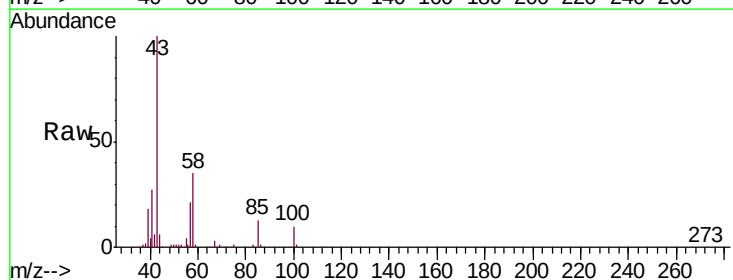
Acq: 6 Feb 2019 3:46

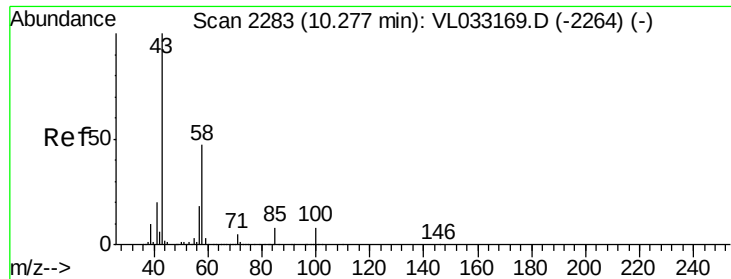
Tgt Ion: 43 Resp: 86761

Ion Ratio Lower Upper

43 100

58 58.7 29.0 43.6#

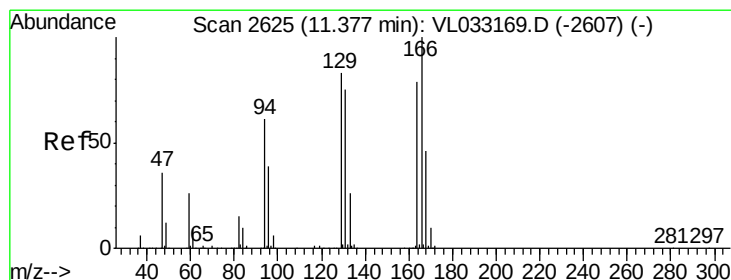
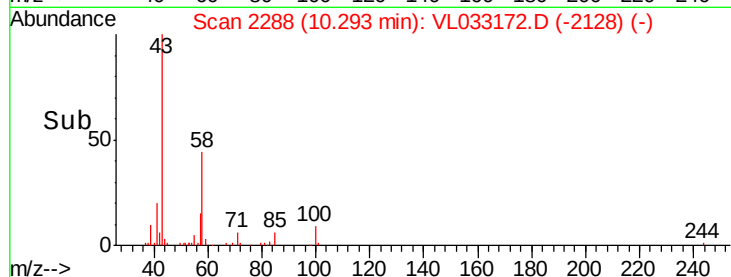
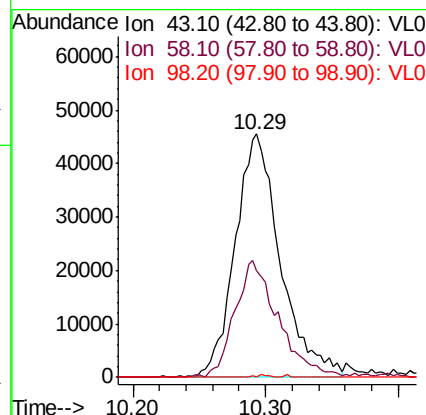
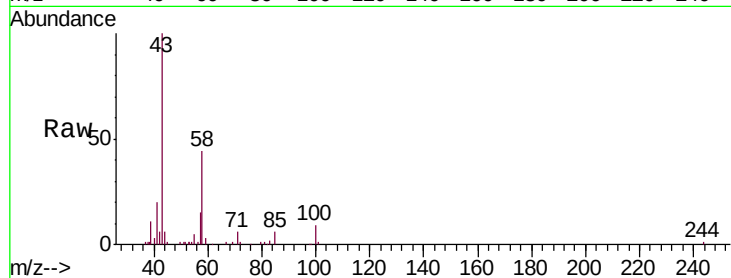




#51
2-Hexanone
Concen: 0.514 ppbv
RT: 10.29 min Scan# 2288
Delta R.T. 0.02 min
Lab File: VL033172.D
Acq: 6 Feb 2019 3:46

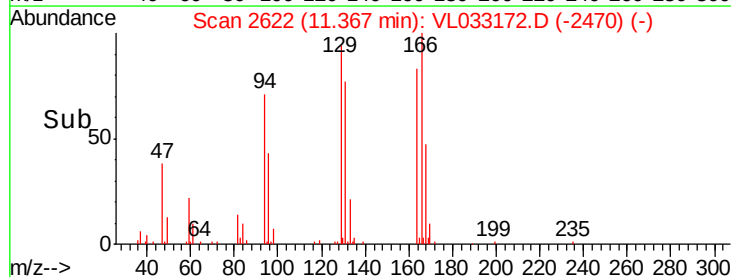
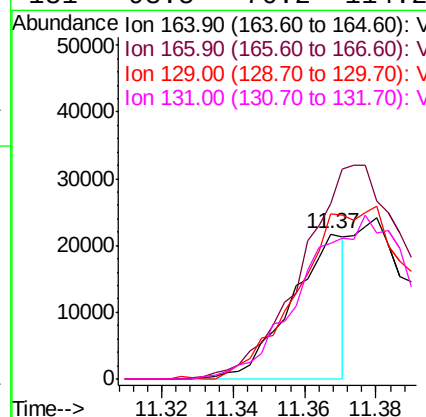
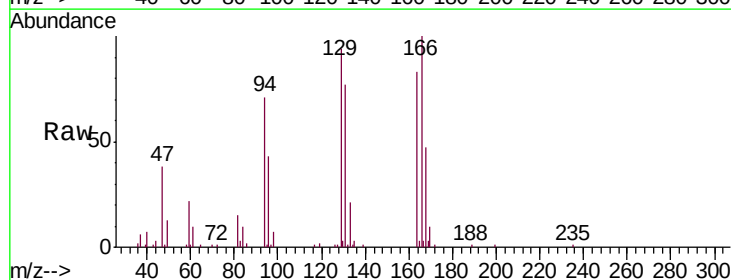
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

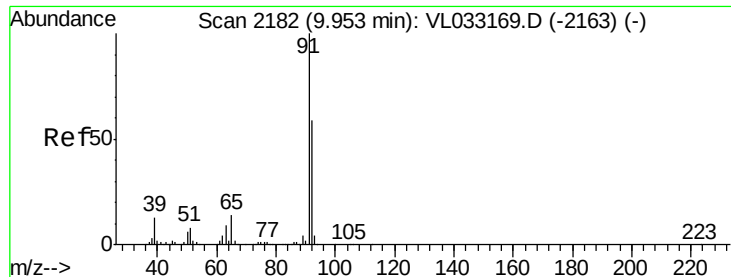
Tgt Ion: 43 Resp: 106820
Ion Ratio Lower Upper
43 100
58 47.1 39.0 58.6
98 0.4 0.1 0.1#



#52
Tetrachloroethene
Concen: 0.224 ppbv
RT: 11.37 min Scan# 2622
Delta R.T. -0.01 min
Lab File: VL033172.D
Acq: 6 Feb 2019 3:46

Tgt Ion: 164 Resp: 22536
Ion Ratio Lower Upper
164 100
166 119.7 100.9 151.3
129 112.8 83.9 125.9
131 93.5 76.2 114.2





#53

Toluene

Concen: 0.544 ppbv

RT: 9.95 min Scan# 2180

Delta R.T. -0.01 min

Lab File: VL033172.D

Acq: 6 Feb 2019 3:46

Instrument :

MSVOA_L

ClientSampleId :

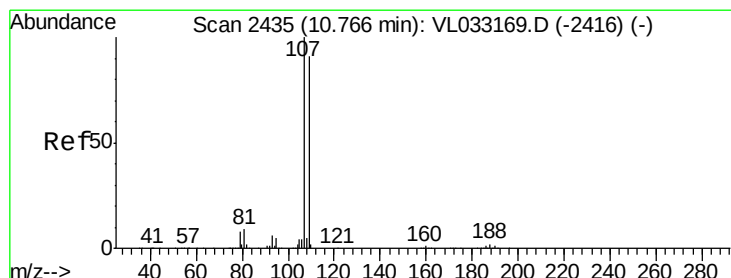
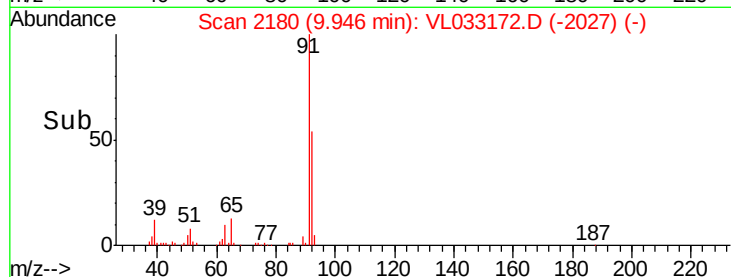
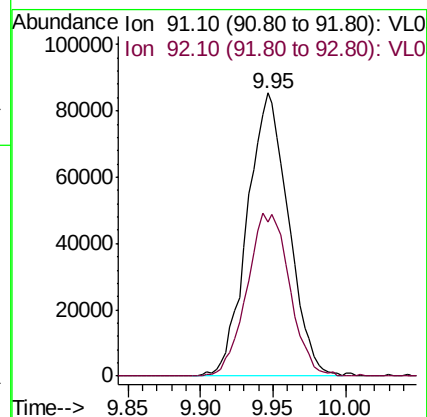
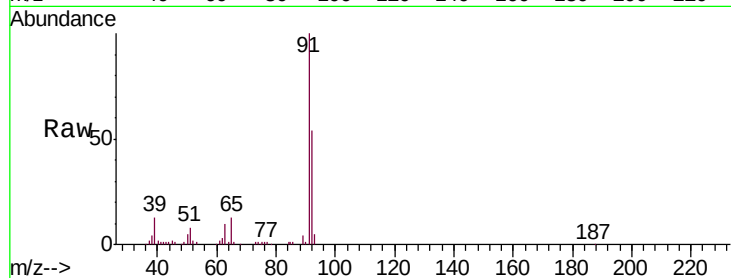
VSTDIC0.5

Tgt Ion: 91 Resp: 169093

Ion Ratio Lower Upper

91 100

92 59.8 48.0 72.0



#54

1,2-Dibromoethane

Concen: 0.538 ppbv

RT: 10.76 min Scan# 2434

Delta R.T. -0.00 min

Lab File: VL033172.D

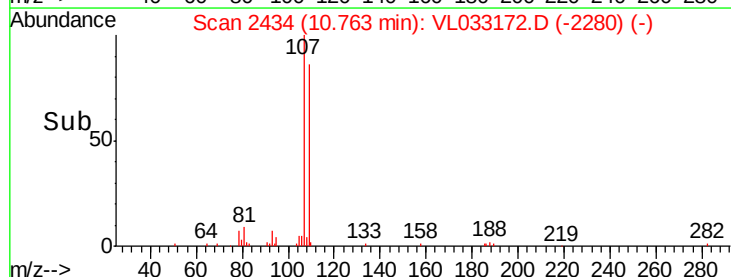
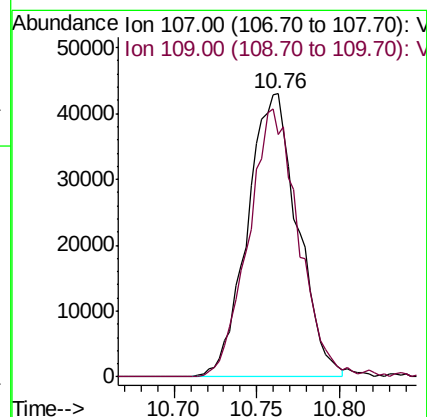
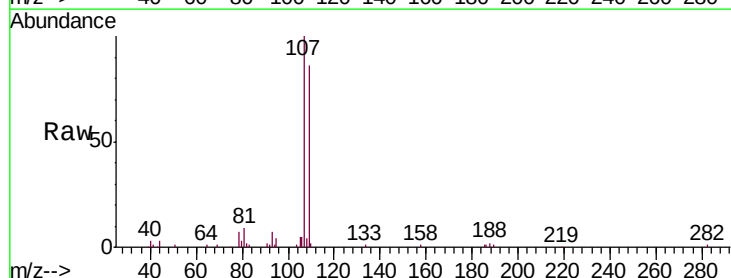
Acq: 6 Feb 2019 3:46

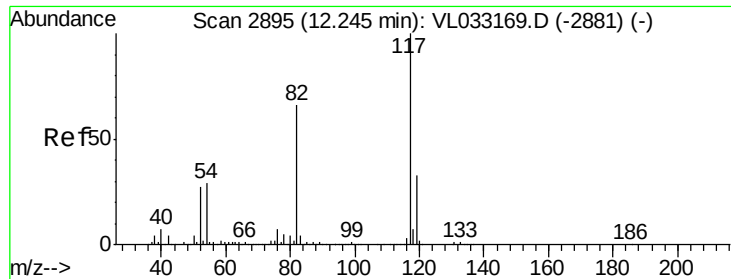
Tgt Ion: 107 Resp: 90691

Ion Ratio Lower Upper

107 100

109 85.5 73.2 109.8

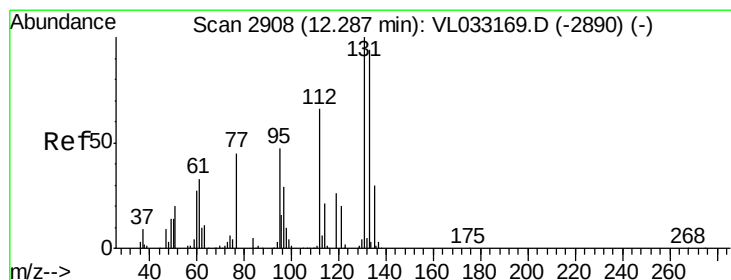
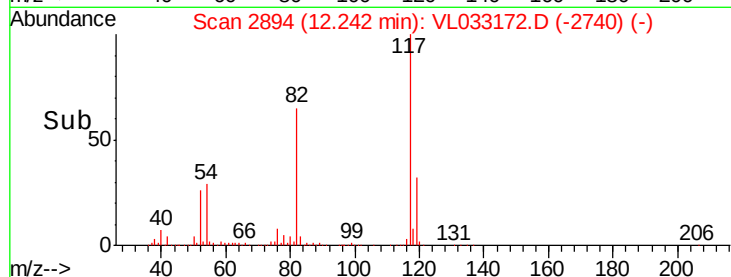
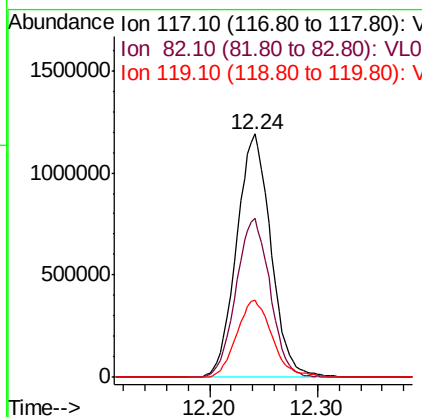
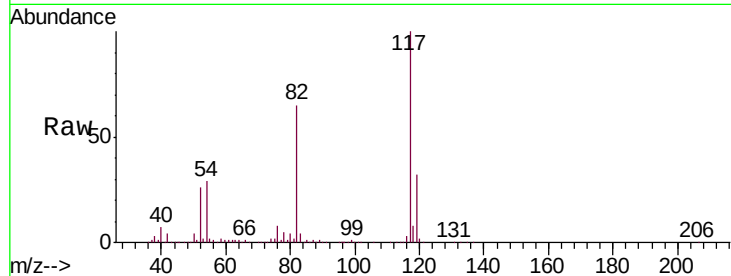




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2894
Delta R.T. -0.00 min
Lab File: VL033172.D
Acq: 6 Feb 2019 3:46

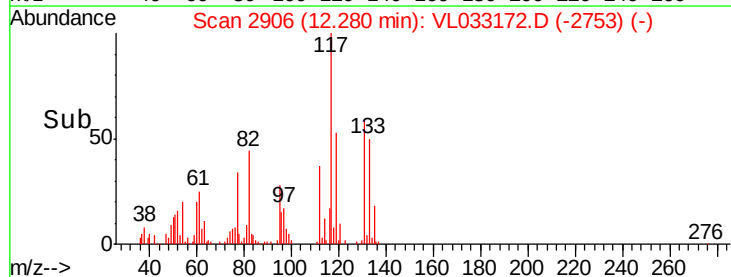
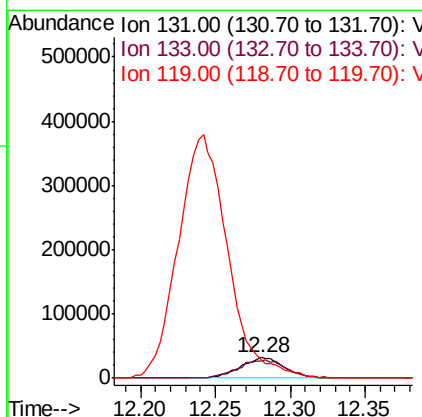
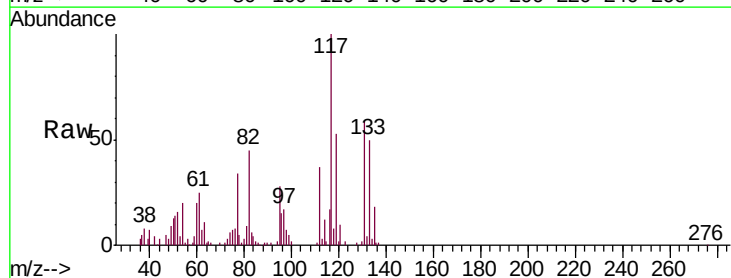
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

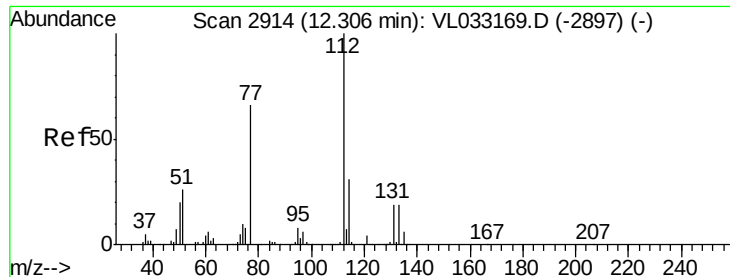
Tgt Ion:117 Resp: 2636916
Ion Ratio Lower Upper
117 100
82 64.9 53.8 80.8
119 33.1 46.9 70.3#



#56
1,1,1,2-Tetrachloroethane
Concen: 0.533 ppbv
RT: 12.28 min Scan# 2906
Delta R.T. -0.01 min
Lab File: VL033172.D
Acq: 6 Feb 2019 3:46

Tgt Ion:131 Resp: 65448
Ion Ratio Lower Upper
131 100
133 96.4 75.8 113.6
119 1334.0 48.1 72.1#

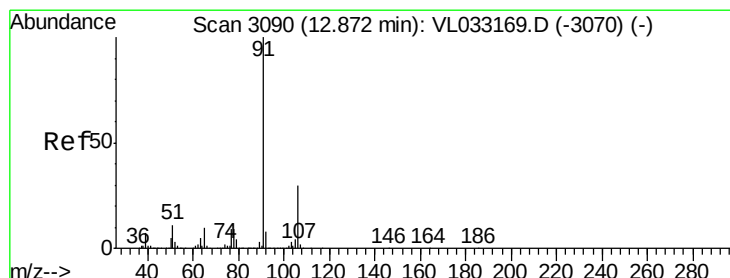
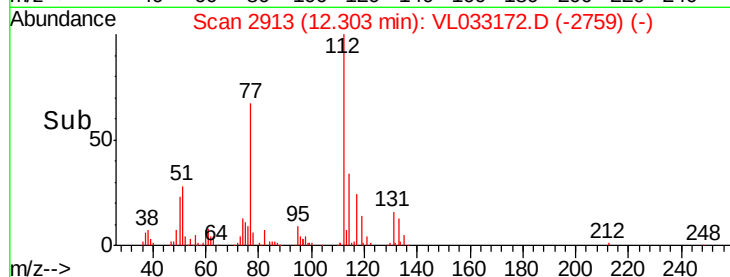
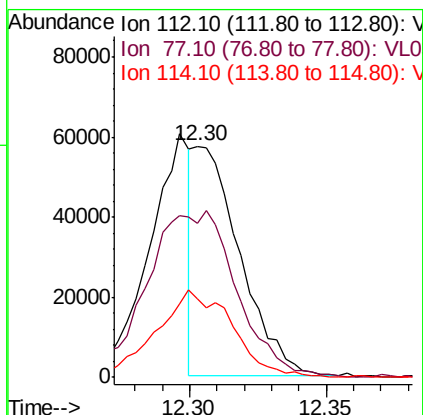
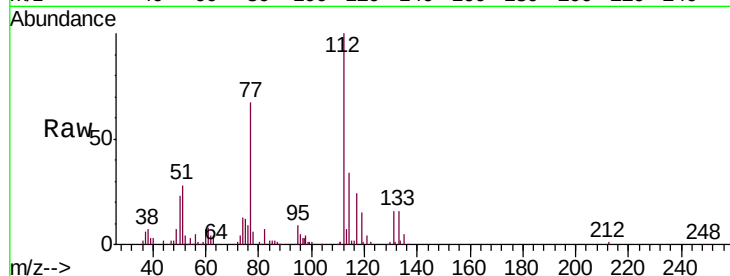




#57
Chlorobenzene
Concen: 0.284 ppbv
RT: 12.30 min Scan# 2913
Delta R.T. -0.00 min
Lab File: VL033172.D
Acq: 6 Feb 2019 3:46

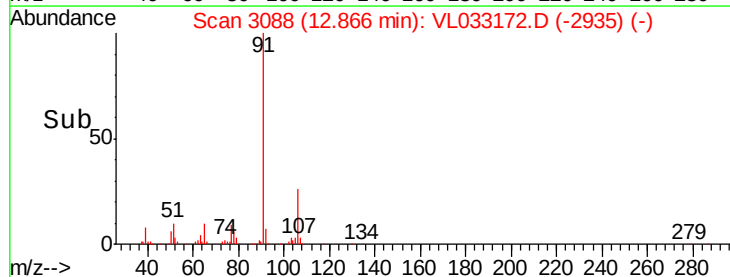
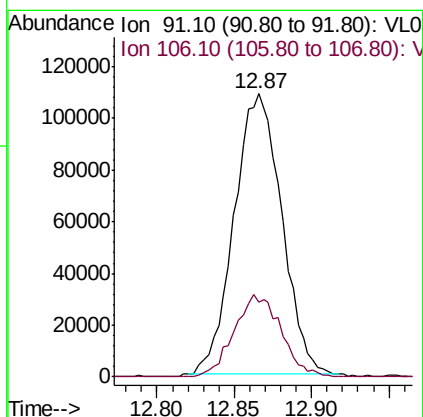
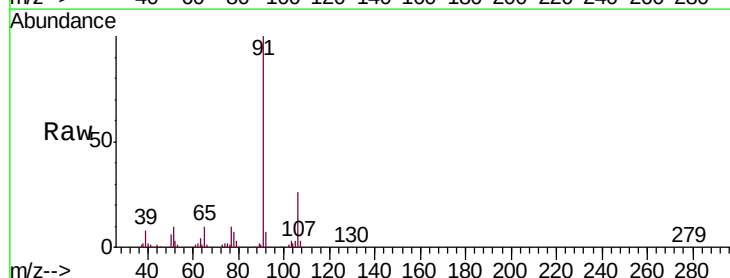
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

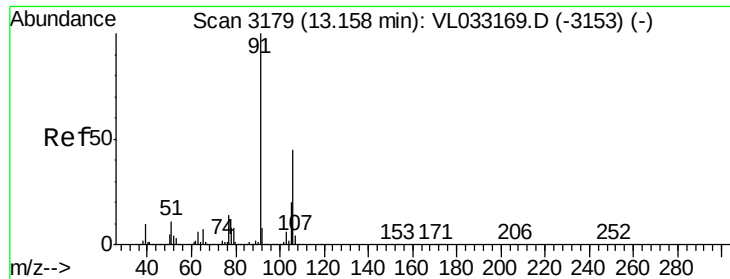
Tgt Ion: 112 Resp: 66254
Ion Ratio Lower Upper
112 100
77 66.9 54.0 81.0
114 34.1 27.9 34.1#



#58
Ethyl Benzene
Concen: 0.536 ppbv
RT: 12.87 min Scan# 3088
Delta R.T. -0.01 min
Lab File: VL033172.D
Acq: 6 Feb 2019 3:46

Tgt Ion: 91 Resp: 231932
Ion Ratio Lower Upper
91 100
106 26.7 23.8 35.8

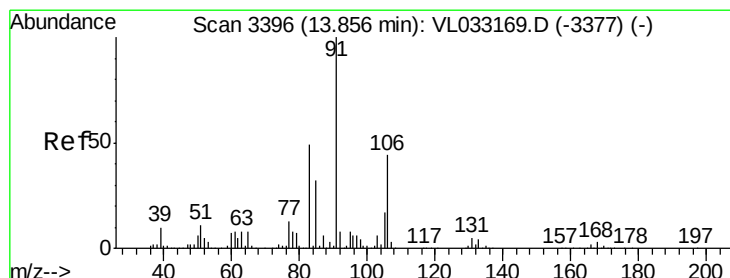
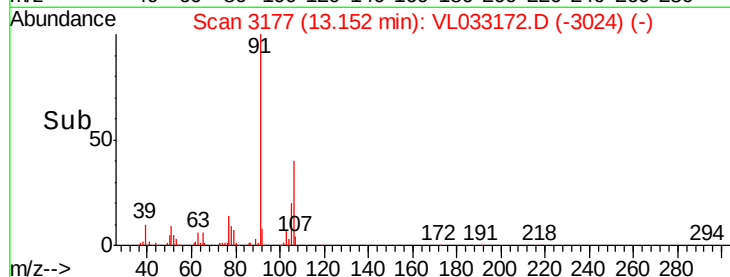
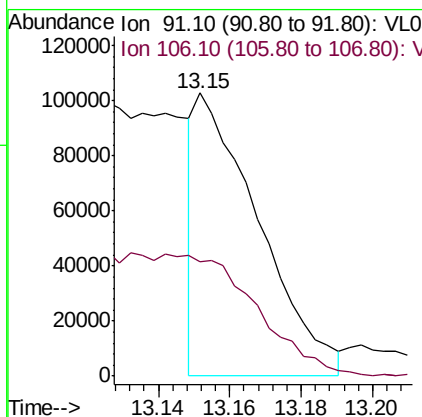
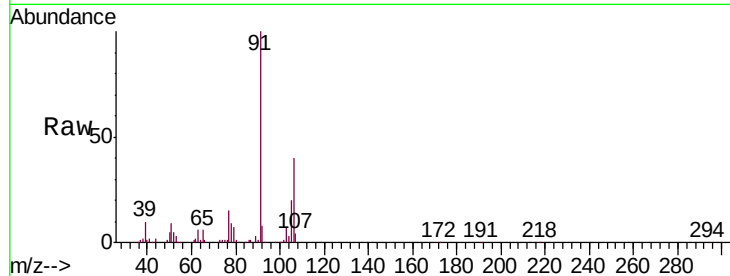




#59
m/p-Xylene
Concen: 0.347 ppbv
RT: 13.15 min Scan# 3177
Delta R.T. -0.01 min
Lab File: VL033172.D
Acq: 6 Feb 2019 3:46

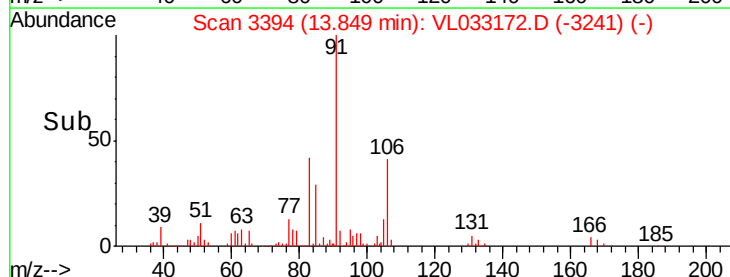
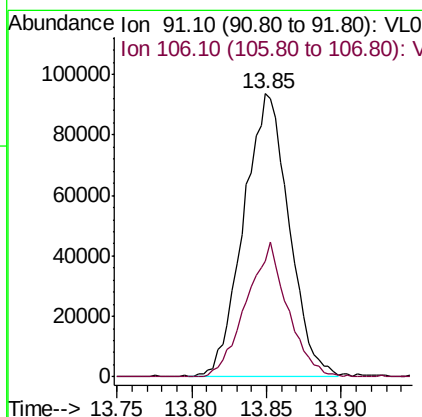
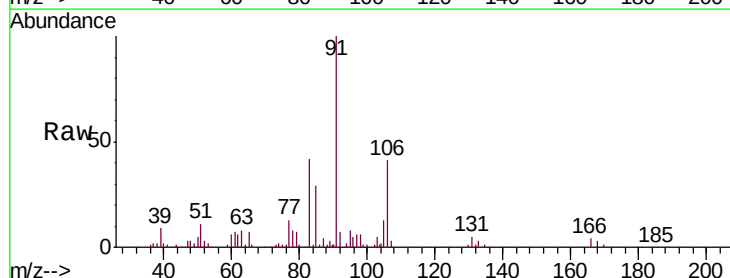
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

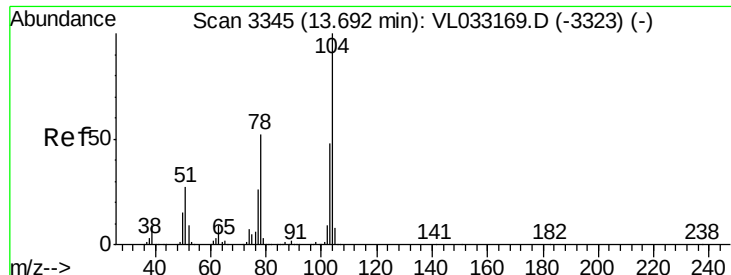
Tgt Ion: 91 Resp: 124971
Ion Ratio Lower Upper
91 100
106 0.0 36.6 55.0#



#60
o-Xylene
Concen: 0.560 ppbv
RT: 13.85 min Scan# 3394
Delta R.T. -0.01 min
Lab File: VL033172.D
Acq: 6 Feb 2019 3:46

Tgt Ion: 91 Resp: 196625
Ion Ratio Lower Upper
91 100
106 43.6 21.8 65.3





#61

Styrene

Concen: 0.516 ppbv

RT: 13.69 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VL033172.D

Acq: 6 Feb 2019 3:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

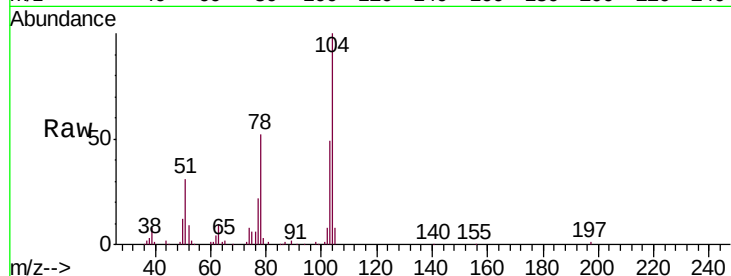
Tgt Ion:104 Resp: 136786

Ion Ratio Lower Upper

104 100

78 56.0 41.9 62.9

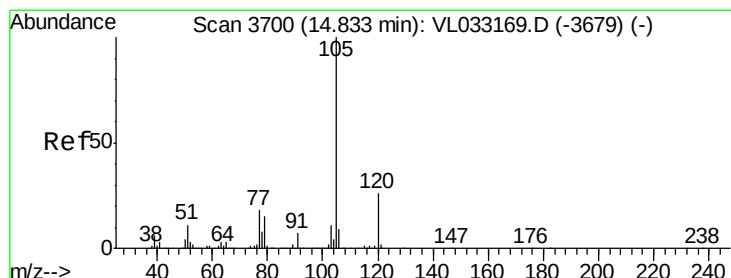
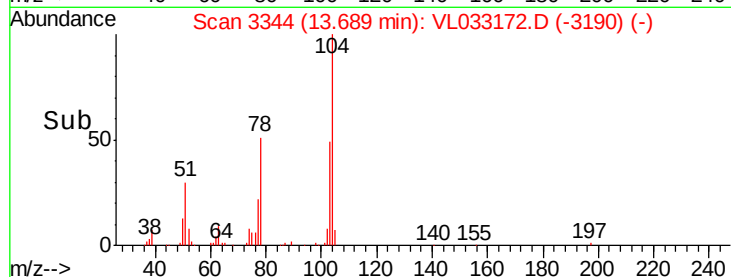
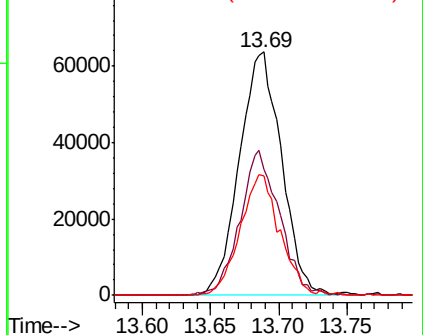
103 47.2 37.9 56.9



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 0.550 ppbv

RT: 14.83 min Scan# 3699

Delta R.T. -0.00 min

Lab File: VL033172.D

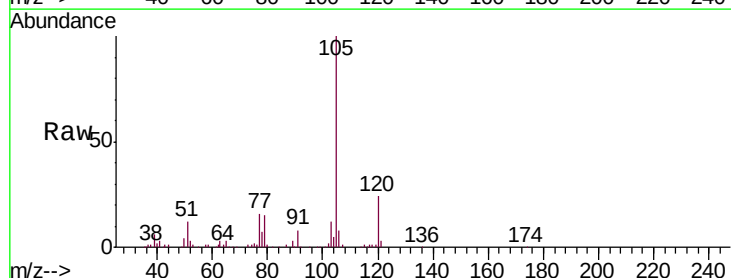
Acq: 6 Feb 2019 3:46

Tgt Ion:105 Resp: 272346

Ion Ratio Lower Upper

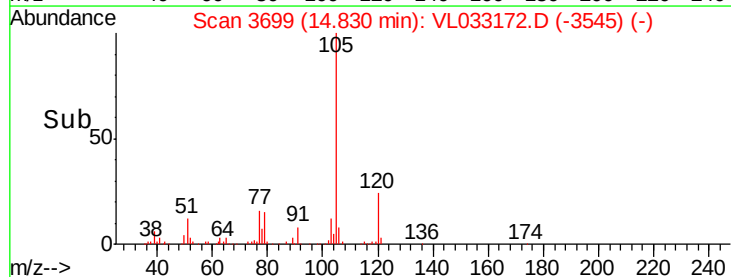
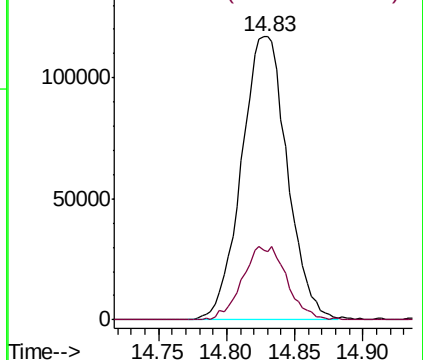
105 100

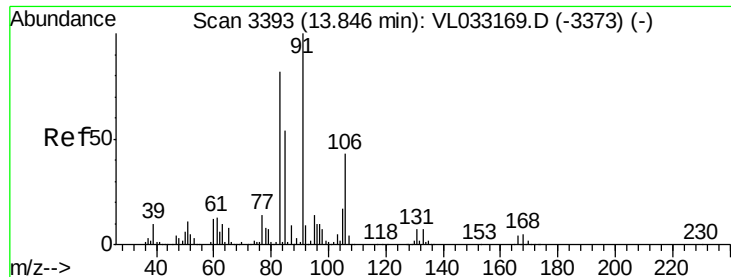
120 25.1 20.3 30.5



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

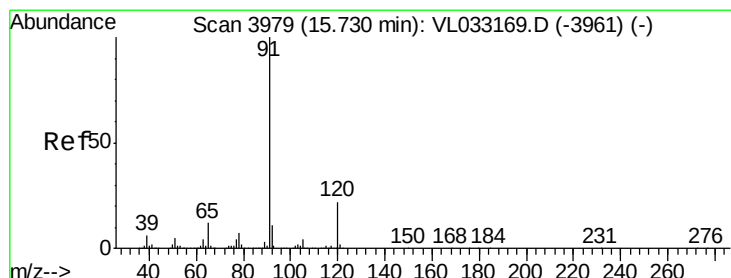
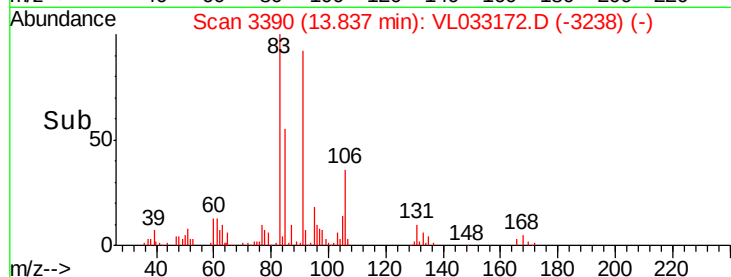
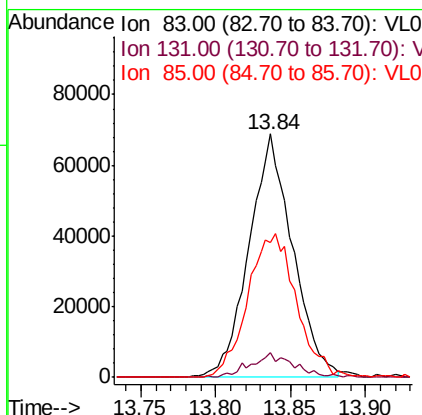
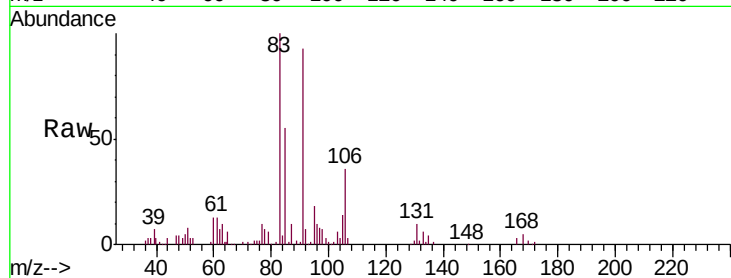




#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.507 ppbv
 RT: 13.84 min Scan# 3390
 Delta R.T. -0.01 min
 Lab File: VL033172.D
 Acq: 6 Feb 2019 3:46

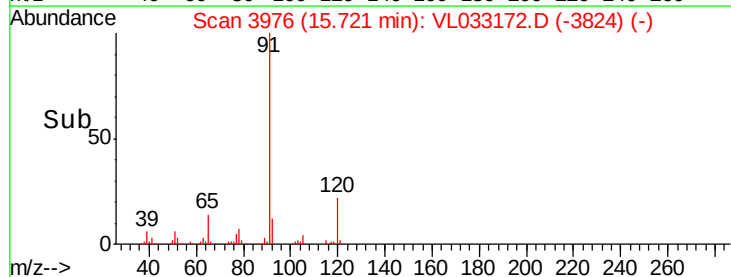
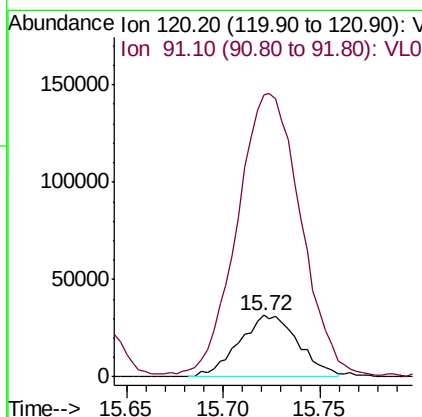
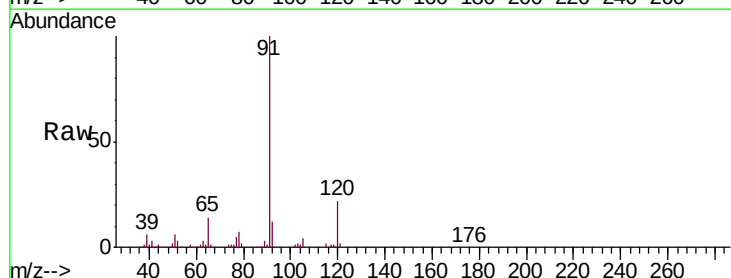
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

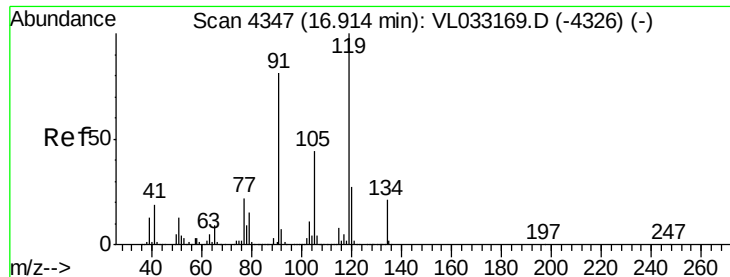
Tgt Ion	Ratio	Lower	Upper
83	100		
131	10.0	4.8	14.3
85	66.6	32.8	98.3



#64
 n-propylbenzene
 Concen: 0.533 ppbv
 RT: 15.72 min Scan# 3976
 Delta R.T. -0.01 min
 Lab File: VL033172.D
 Acq: 6 Feb 2019 3:46

Tgt Ion	Ratio	Lower	Upper
120	100		
91	503.3	383.9	575.9

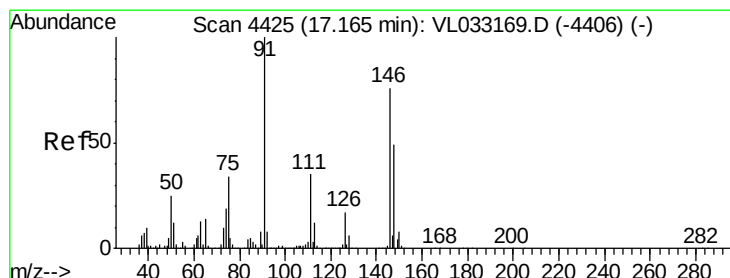
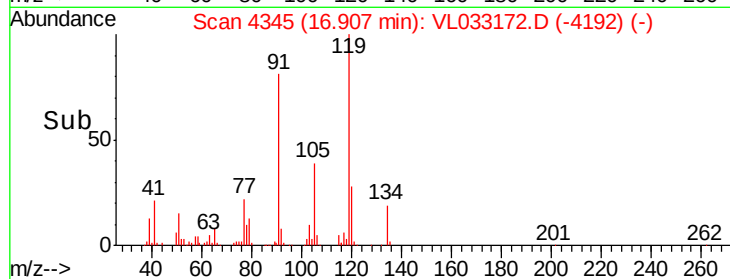
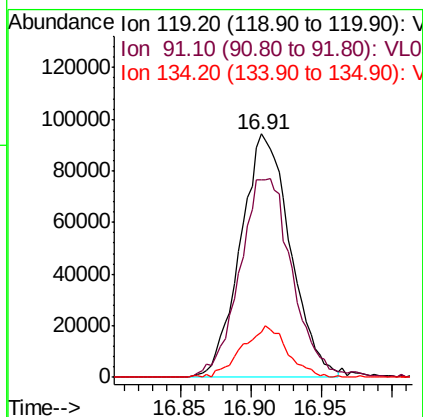
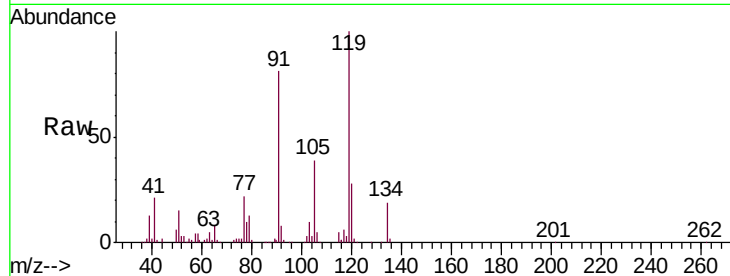




#65
 tert-Butylbenzene
 Concen: 0.540 ppbv
 RT: 16.91 min Scan# 4345
 Delta R.T. -0.01 min
 Lab File: VL033172.D
 Acq: 6 Feb 2019 3:46

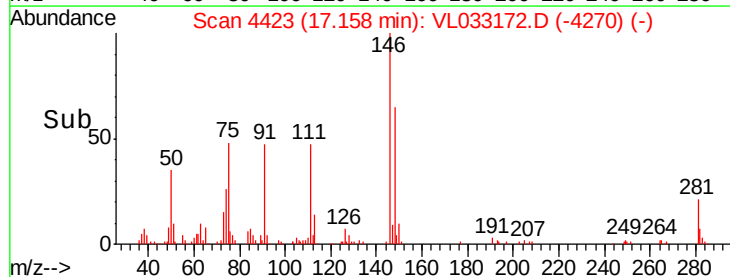
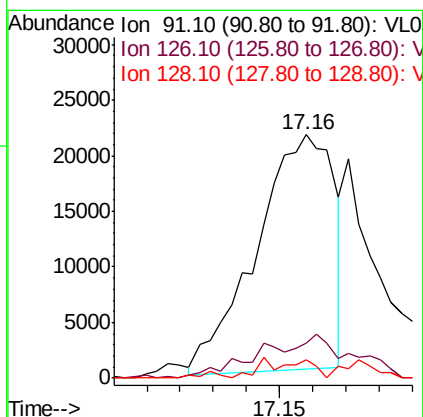
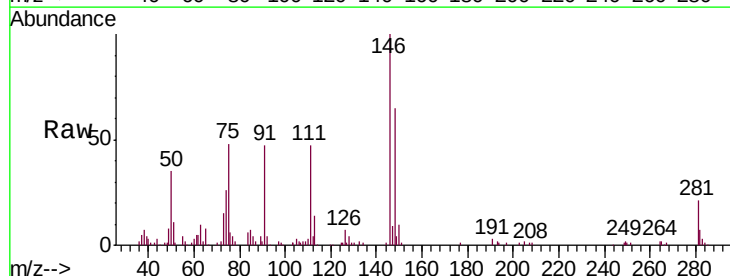
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

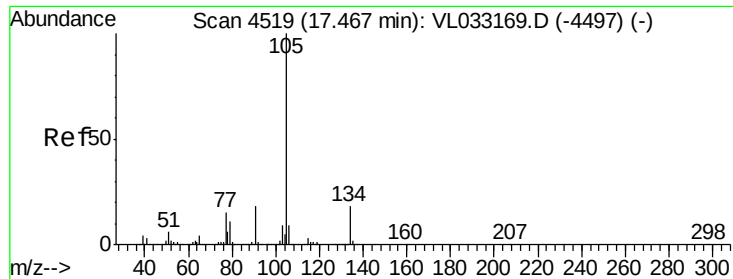
Tgt Ion: 119 Resp: 232843
 Ion Ratio Lower Upper
 119 100
 91 86.1 65.6 98.4
 134 19.4 15.8 23.8



#66
 Benzyl Chloride
 Concen: 0.225 ppbv
 RT: 17.16 min Scan# 4423
 Delta R.T. -0.01 min
 Lab File: VL033172.D
 Acq: 6 Feb 2019 3:46

Tgt Ion: 91 Resp: 34634
 Ion Ratio Lower Upper
 91 100
 126 22.0 13.8 20.6#
 128 8.9 4.5 6.7#





#67

sec-Butylbenzene

Concen: 0.530 ppbv

RT: 17.46 min Scan# 4517

Delta R.T. -0.01 min

Lab File: VL033172.D

Acq: 6 Feb 2019 3:46

Instrument :

MSVOA_L

ClientSampleId :

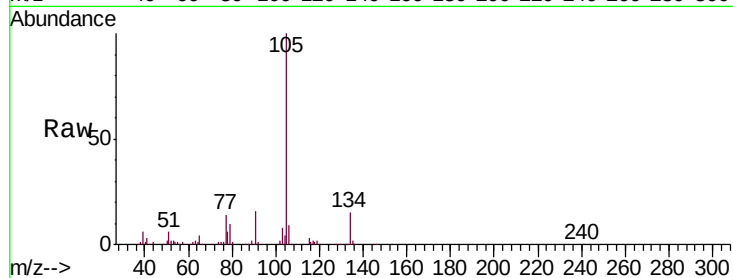
VSTDIC0.5

Tgt Ion: 105 Resp: 331884

Ion Ratio Lower Upper

105 100

134 17.4 14.6 22.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

17.46

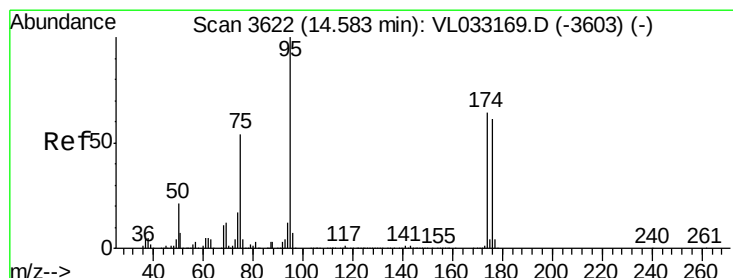
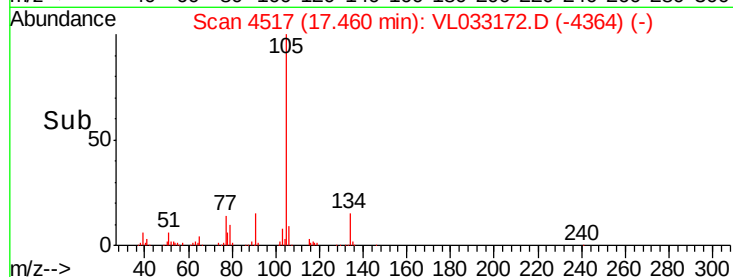
150000

100000

50000

0

Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 10.054 ppbv

RT: 14.58 min Scan# 3621

Delta R.T. -0.00 min

Lab File: VL033172.D

Acq: 6 Feb 2019 3:46

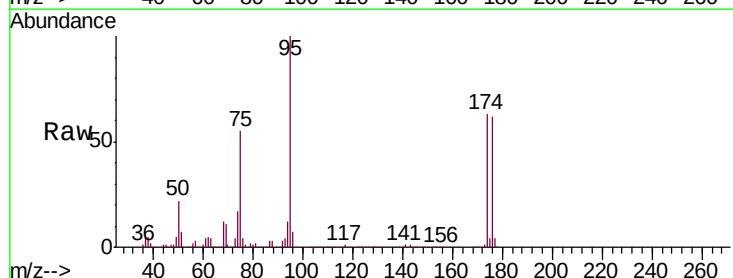
Tgt Ion: 95 Resp: 2066402

Ion Ratio Lower Upper

95 100

174 63.6 51.1 76.7

175 4.7 3.8 5.6



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

1200000

1000000

800000

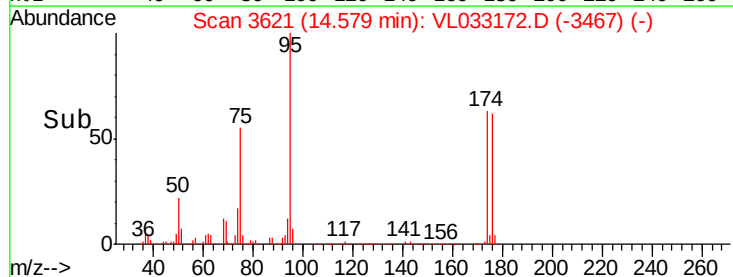
600000

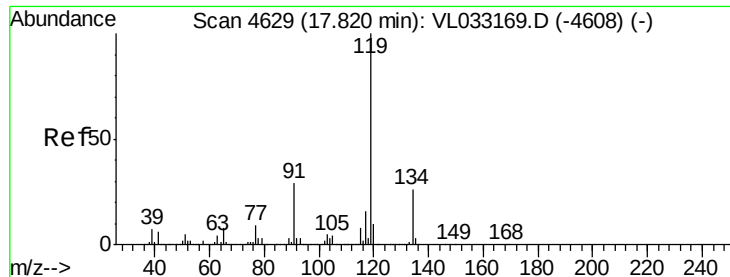
400000

200000

0

Time-->

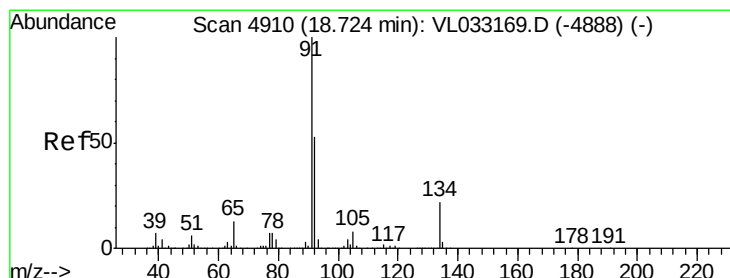
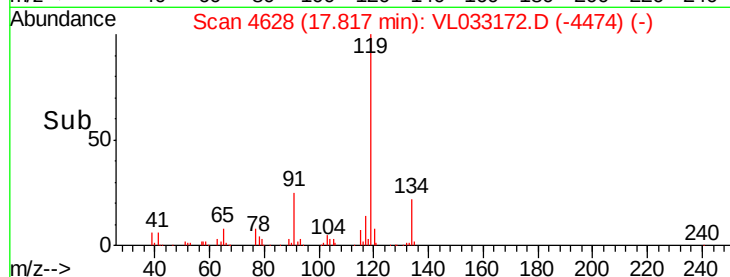
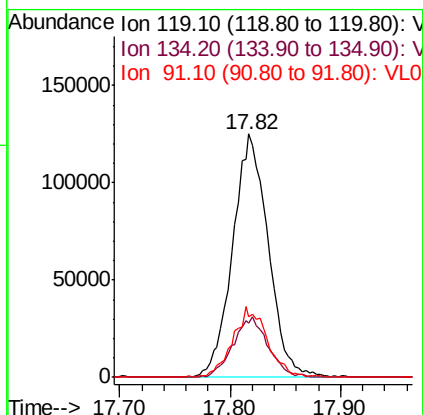
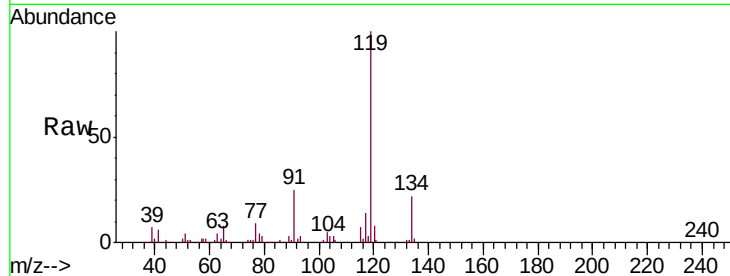




#69
 p-Isopropyltoluene
 Concen: 0.537 ppbv
 RT: 17.82 min Scan# 4628
 Delta R.T. -0.00 min
 Lab File: VL033172.D
 Acq: 6 Feb 2019 3:46

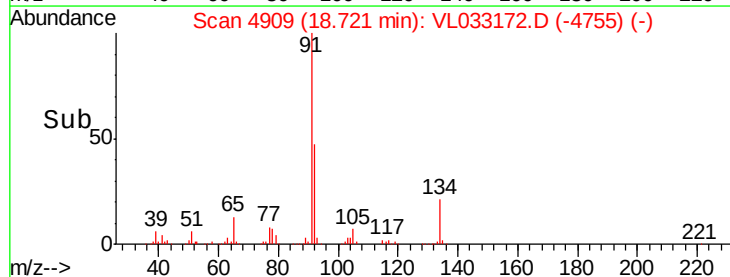
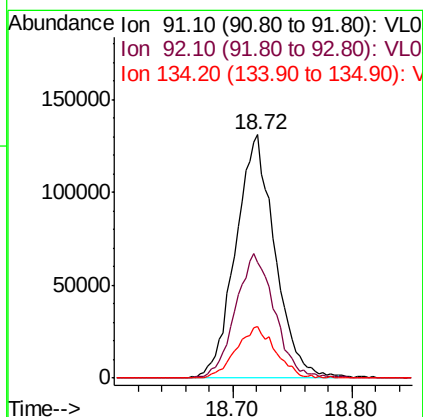
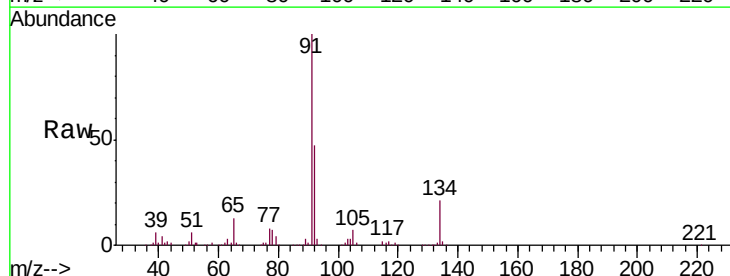
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

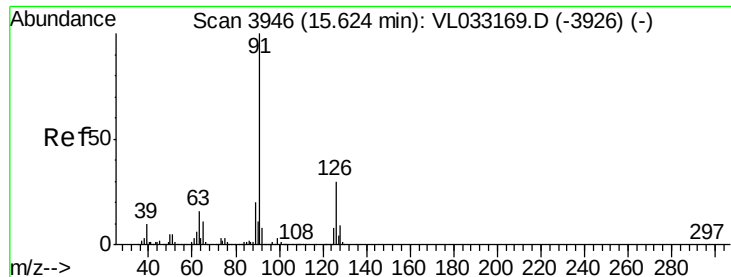
Tgt Ion: 119 Resp: 279982
 Ion Ratio Lower Upper
 119 100
 134 24.4 20.4 30.6
 91 28.1 23.4 35.0



#70
 n-Butylbenzene
 Concen: 0.531 ppbv
 RT: 18.72 min Scan# 4909
 Delta R.T. -0.00 min
 Lab File: VL033172.D
 Acq: 6 Feb 2019 3:46

Tgt Ion: 91 Resp: 298852
 Ion Ratio Lower Upper
 91 100
 92 51.3 43.0 64.4
 134 21.3 17.5 26.3

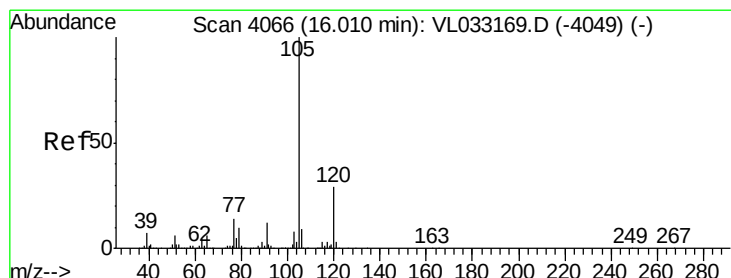
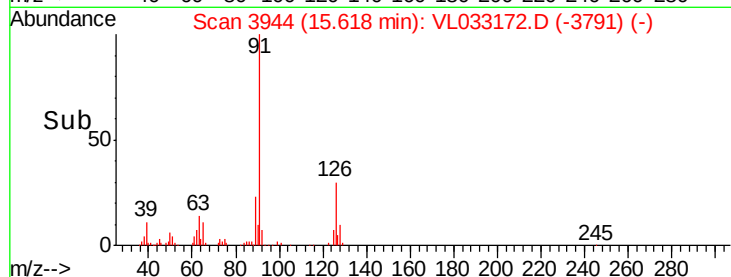
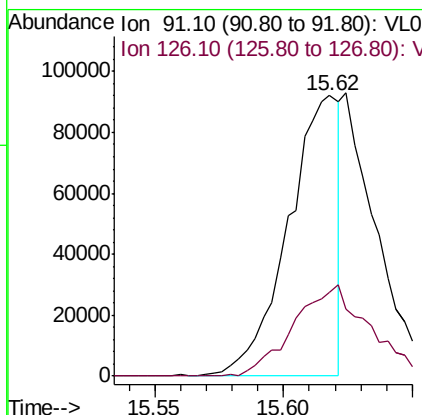
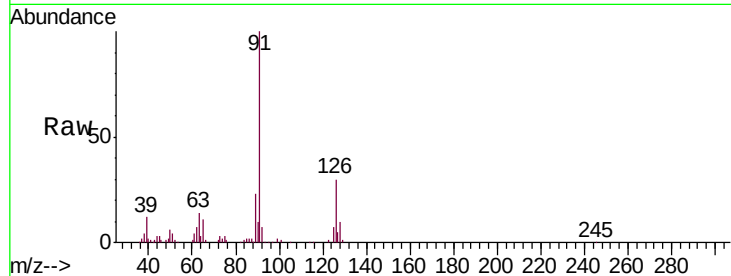




#71
 2-Chlorotoluene
 Concen: 0.323 ppbv
 RT: 15.62 min Scan# 3944
 Delta R.T. -0.01 min
 Lab File: VL033172.D
 Acq: 6 Feb 2019 3:46

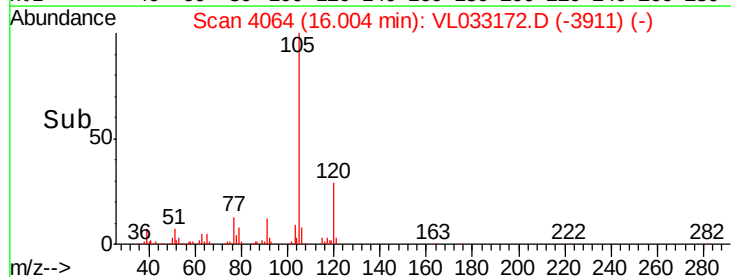
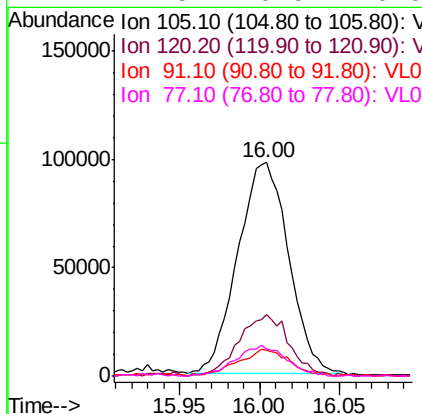
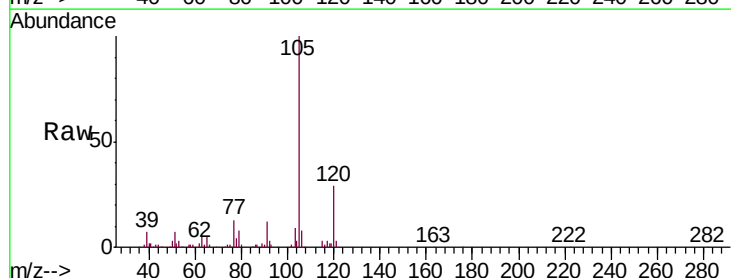
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

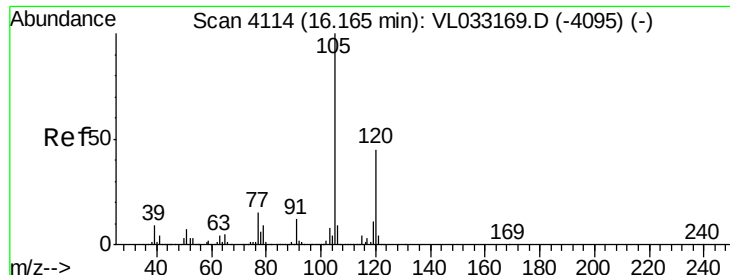
Tgt Ion: 91 Resp: 125924
 Ion Ratio Lower Upper
 91 100
 126 0.0 11.8 47.4#



#72
 4-Ethyltoluene
 Concen: 0.521 ppbv
 RT: 16.00 min Scan# 4064
 Delta R.T. -0.01 min
 Lab File: VL033172.D
 Acq: 6 Feb 2019 3:46

Tgt Ion: 105 Resp: 211050
 Ion Ratio Lower Upper
 105 100
 120 29.2 23.1 34.7
 91 13.7 9.8 14.6
 77 14.5 10.9 16.3





#73

1,3,5-Trimethylbenzene

Concen: 0.209 ppbv

RT: 16.16 min Scan# 4114

Delta R.T. -0.00 min

Lab File: VL033172.D

Acq: 6 Feb 2019 3:46

Instrument :

MSVOA_L

ClientSampleId :

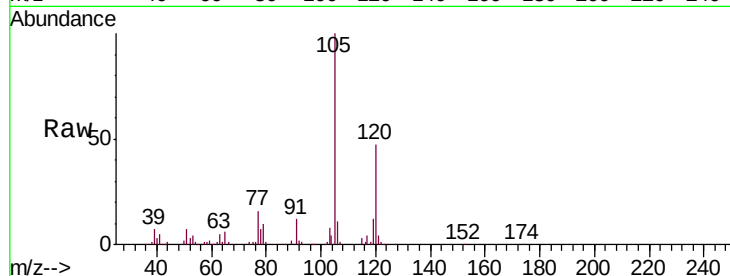
VSTDIC0.5

Tgt Ion:105 Resp: 80892

Ion Ratio Lower Upper

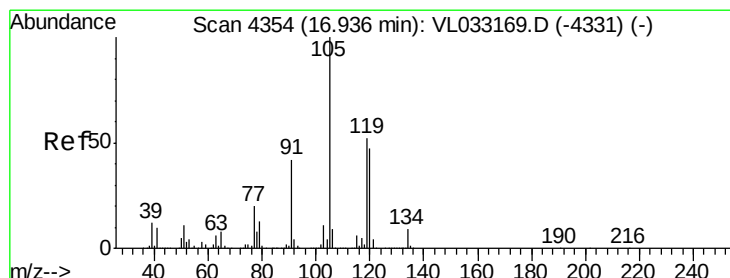
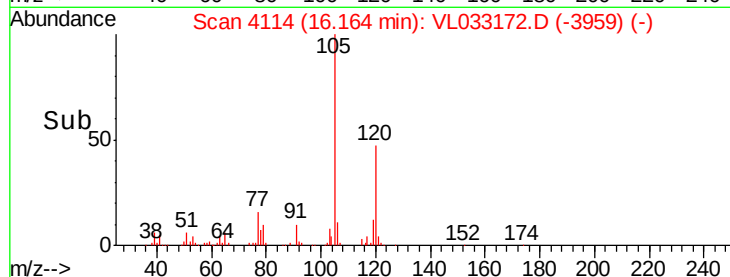
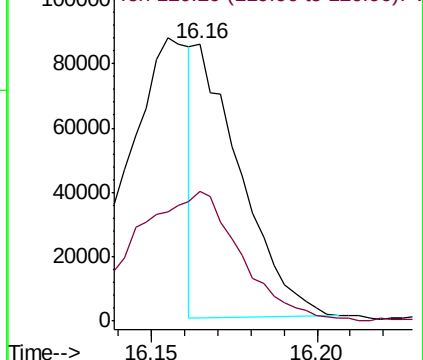
105 100

120 50.8 36.2 54.4



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: 0.547 ppbv

RT: 16.93 min Scan# 4351

Delta R.T. -0.01 min

Lab File: VL033172.D

Acq: 6 Feb 2019 3:46

Tgt Ion:105 Resp: 219739

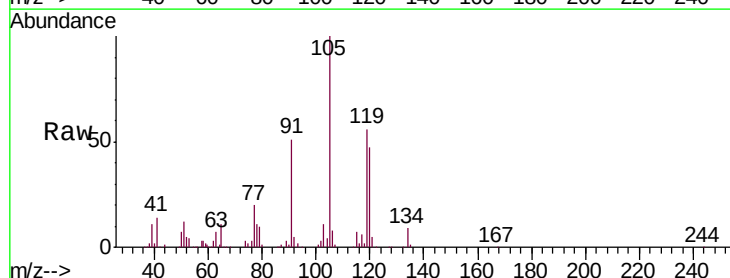
Ion Ratio Lower Upper

105 100

120 50.8 37.9 56.9

91 50.3 34.0 51.0

77 20.1 15.7 23.5

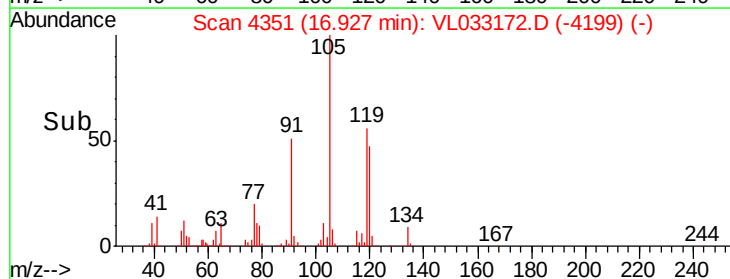
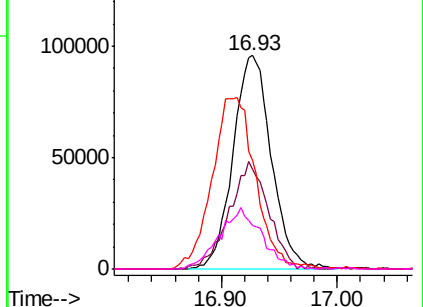


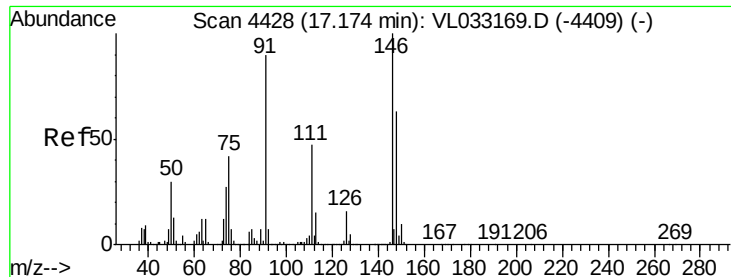
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

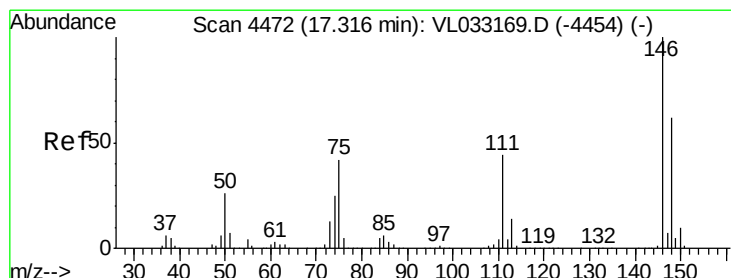
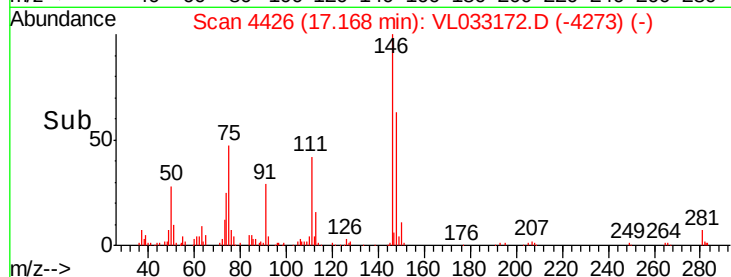
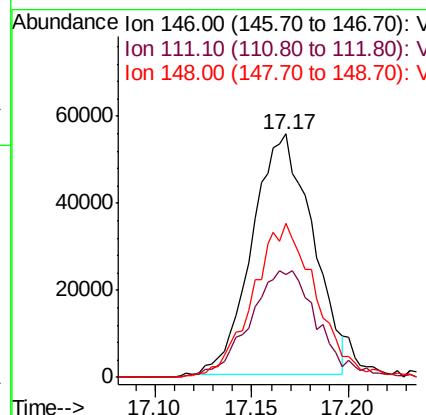
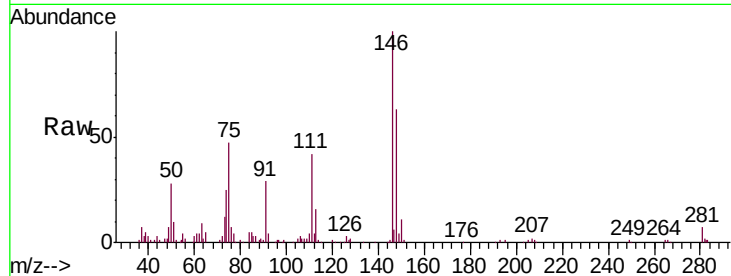




#75
 1,3-Dichlorobenzene
 Concen: 0.517 ppbv
 RT: 17.17 min Scan# 4426
 Delta R.T. -0.01 min
 Lab File: VL033172.D
 Acq: 6 Feb 2019 3:46

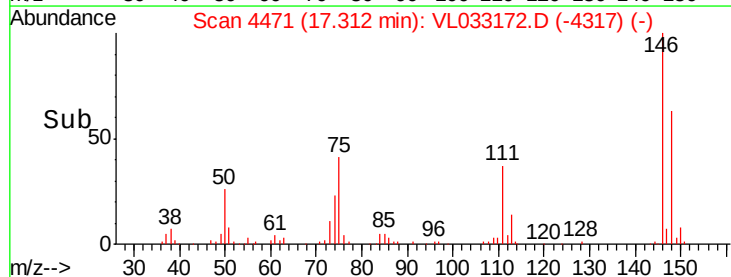
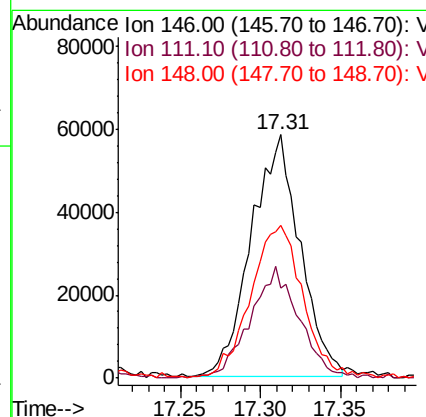
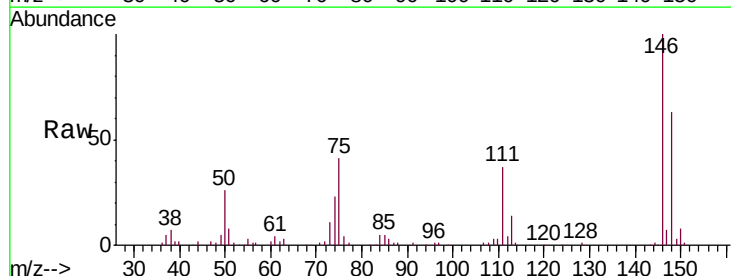
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

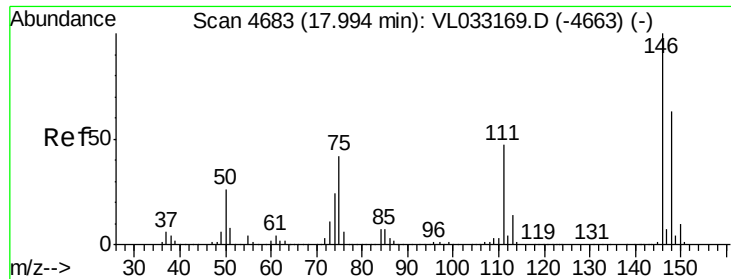
Tgt Ion	Ratio	Lower	Upper
146	100		
111	50.3	23.2	69.6
148	67.5	31.8	95.4



#76
 1,4-Dichlorobenzene
 Concen: 0.534 ppbv
 RT: 17.31 min Scan# 4471
 Delta R.T. -0.00 min
 Lab File: VL033172.D
 Acq: 6 Feb 2019 3:46

Tgt Ion	Ratio	Lower	Upper
146	100		
111	46.2	22.3	66.9
148	69.1	32.0	96.0

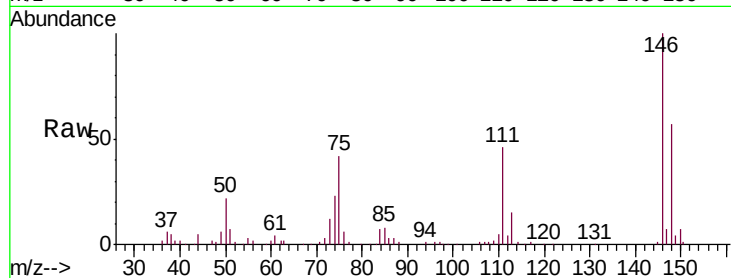




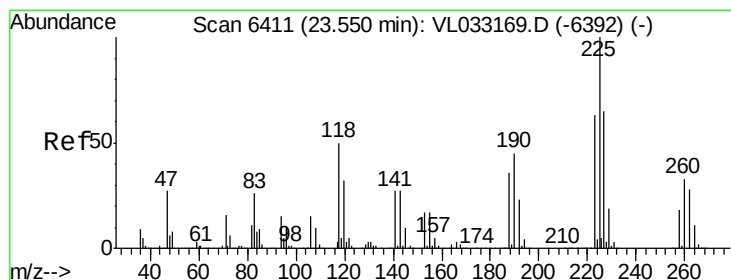
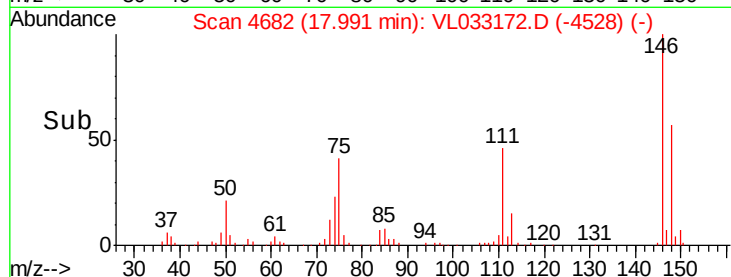
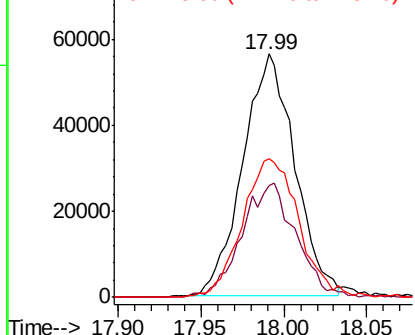
#77
 1,2-Dichlorobenzene
 Concen: 0.537 ppbv
 RT: 17.99 min Scan# 4682
 Delta R.T. -0.00 min
 Lab File: VL033172.D
 Acq: 6 Feb 2019 3:46

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tgt Ion:146 Resp: 122888
 Ion Ratio Lower Upper
 146 100
 111 49.9 23.5 70.6
 148 62.9 31.9 95.7

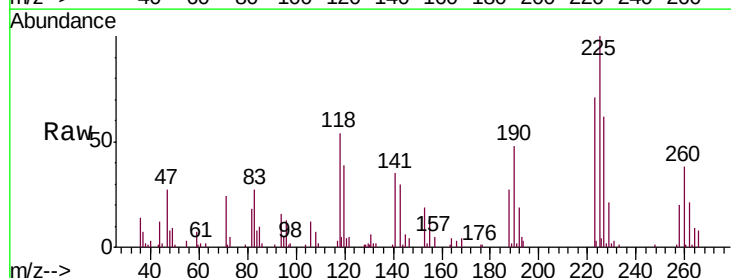


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.10 (110.80 to 111.80): V
 Ion 148.00 (147.70 to 148.70): V

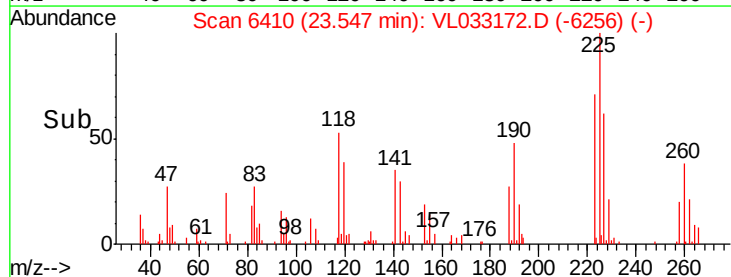
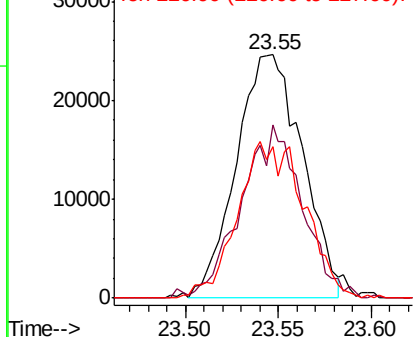


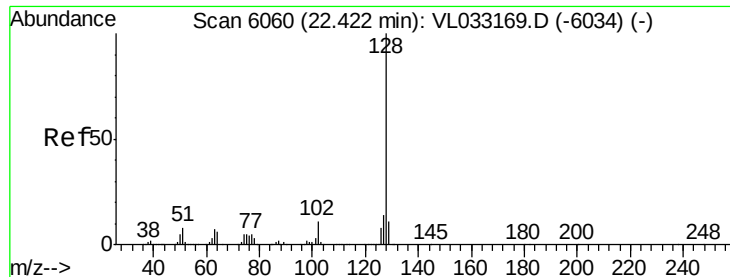
#78
 Hexachloro-1,3-Butadiene
 Concen: 0.538 ppbv
 RT: 23.55 min Scan# 6410
 Delta R.T. -0.00 min
 Lab File: VL033172.D
 Acq: 6 Feb 2019 3:46

Tgt Ion:225 Resp: 61269
 Ion Ratio Lower Upper
 225 100
 223 66.1 50.6 75.8
 227 64.8 51.4 77.2



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

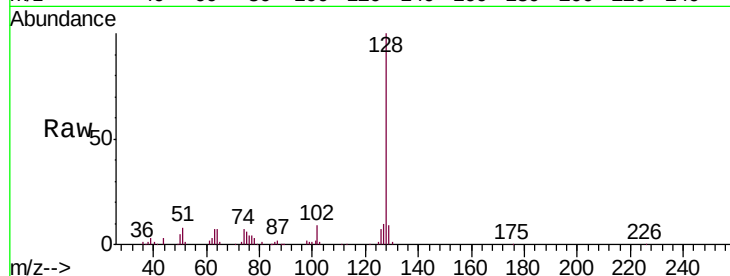




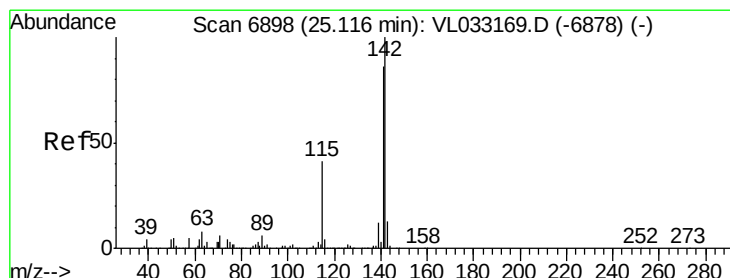
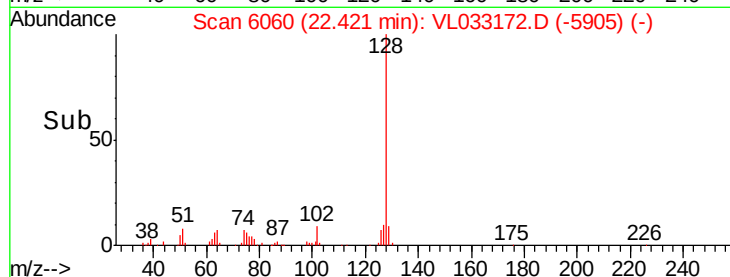
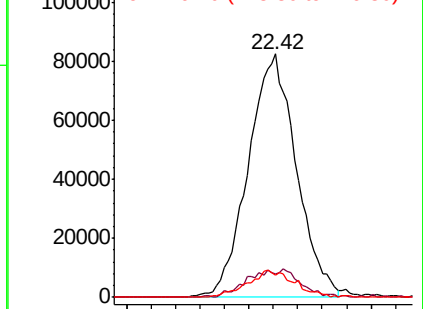
#79
Naphthalene
Concen: 0.521 ppbv
RT: 22.42 min Scan# 6060
Delta R.T. -0.00 min
Lab File: VL033172.D
Acq: 6 Feb 2019 3:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion:128 Resp: 224760
Ion Ratio Lower Upper
128 100
127 9.6 11.0 16.4#
129 9.2 8.6 12.8

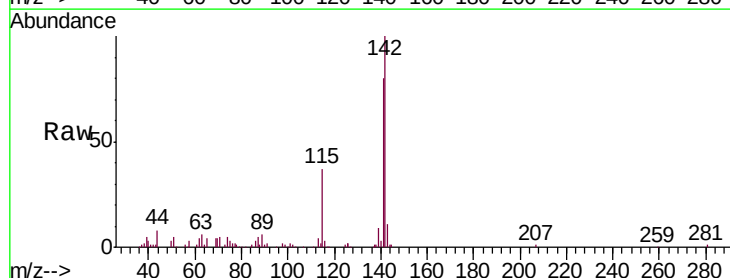


Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V

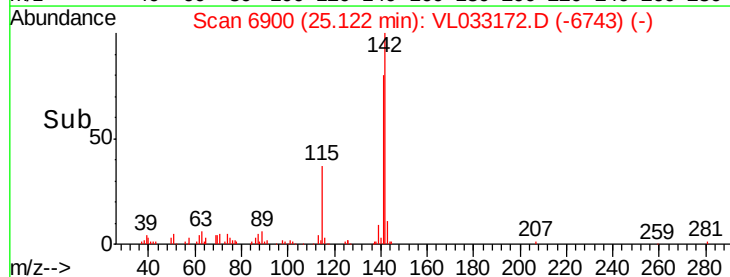
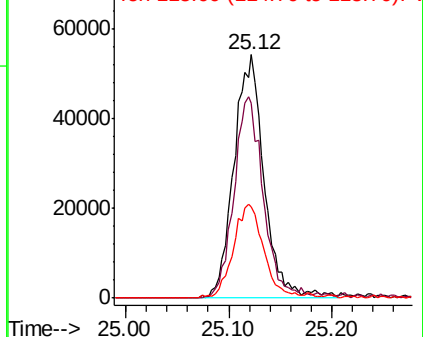


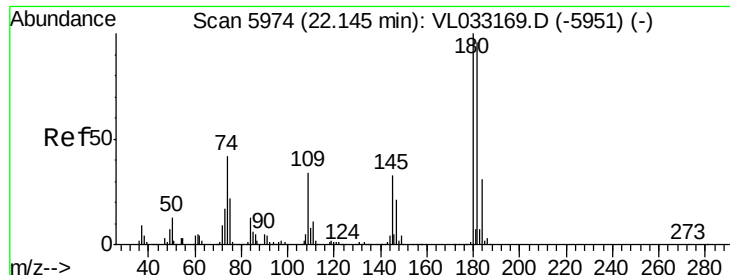
#80
Naphthalene, 2-methyl-
Concen: 0.506 ppbv
RT: 25.12 min Scan# 6900
Delta R.T. 0.01 min
Lab File: VL033172.D
Acq: 6 Feb 2019 3:46

Tgt Ion:142 Resp: 110407
Ion Ratio Lower Upper
142 100
141 82.5 67.7 101.5
115 40.3 32.7 49.1



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: 0.555 ppbv
 RT: 22.14 min Scan# 5973
 Delta R.T. -0.00 min
 Lab File: VL033172.D
 Acq: 6 Feb 2019 3:46

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tgt Ion	Resp	Lower	Upper
180	121808		
182	97.1	75.8	113.8
184	31.8	24.3	36.5

