

Data File : VL033590.D
Acq On : 16 Apr 2019 12:48
Operator : SY/AP
Sample : VL0416ABSD01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0416ABSD01

Quant Time: Apr 17 05:49:46 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Mar 26 16:00:50 2019
QLast Update : Tue Mar 26 16:00:50 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	897533	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2247188	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2777954	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1817773	8.35	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	83.50%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.08	85	932571	7.124	ppbv	99
3) Chlorodifluoromethane	3.01	51	857618	8.300	ppbv	99
4) Chloromethane	3.17	50	458149	8.379	ppbv	96
5) Vinyl Chloride	3.29	62	464690	8.650	ppbv	99
6) Bromomethane	3.52	94	298100	8.634	ppbv	95
7) Chloroethane	3.60	64	177023	8.854	ppbv	98
8) Dichlorotetrafluoroethane	3.22	85	1157011	8.295	ppbv	99
9) Propene	3.04	41	370054	8.528	ppbv	98
10) Heptane	8.25	43	1010003	8.707	ppbv	100
11) Trichlorofluoromethane	4.00	101	1380168	8.555	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.55	101	944370	8.715	ppbv	99
13) Ethanol	3.65	45	124632	11.099	ppbv	64
14) Bromoethene	3.79	108	386755	8.949	ppbv	99
15) Acetone	3.90	43	891826	8.264	ppbv	99
16) 1,3-Butadiene	3.36	39	414484	9.683	ppbv	98
17) tert-Butyl alcohol	4.35	59	192147	9.684	ppbv	98
18) 1,1-Dichloroethene	4.35	96	417392	8.968	ppbv	97
19) Isopropyl Alcohol	4.02	45	693908	10.166	ppbv	100
20) Methylene Chloride	4.41	84	366881	8.009	ppbv	94
21) Allyl Chloride	4.48	41	613038	8.986	ppbv	100
22) trans-1,2-Dichloroethene	4.96	96	425877	8.770	ppbv	96
23) Vinyl Acetate	5.16	43	1401021	9.121	ppbv	99
24) 1,1-Dichloroethane	5.09	63	986118	8.451	ppbv	99
25) Ethyl Acetate	5.77	43	1680921	8.395	ppbv	99
26) Hexane	5.78	57	762750	8.567	ppbv	97
27) Carbon Disulfide	4.62	76	1037381	9.799	ppbv	98
28) Methyl tert-Butyl Ether	5.11	73	1180430	9.206	ppbv	100
29) Chloroform	5.85	83	1290206	8.454	ppbv	97
30) Cyclohexane	7.25	84	667414	9.476	ppbv	98
31) cis-1,2-Dichloroethene	5.64	61	785240	8.871	ppbv	98
32) 1,1,1-Trichloroethane	6.62	97	1295232	8.913	ppbv	100
34) 2-Butanone	5.33	43	1099437	8.143	ppbv	100
35) Carbon Tetrachloride	7.13	117	1417344	8.905	ppbv	98
36) Benzene	7.01	78	1629086	8.640	ppbv	98
37) 1,2-Dichloroethane	6.41	62	978929	7.746	ppbv	99
38) Trichloroethene	7.96	130	661758	9.326	ppbv	97
39) 1,2-Dichloropropane	7.74	63	609312	8.249	ppbv	100
40) 1,4-Dioxane	7.96	88	254543	9.662	ppbv	77
41) Tetrahydrofuran	6.15	42	628804	8.468	ppbv	97
42) Bromodichloromethane	7.92	83	1439817	8.364	ppbv	98
43) Methyl Methacrylate	8.14	69	659799	8.618	ppbv	99

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ClientSampleId :
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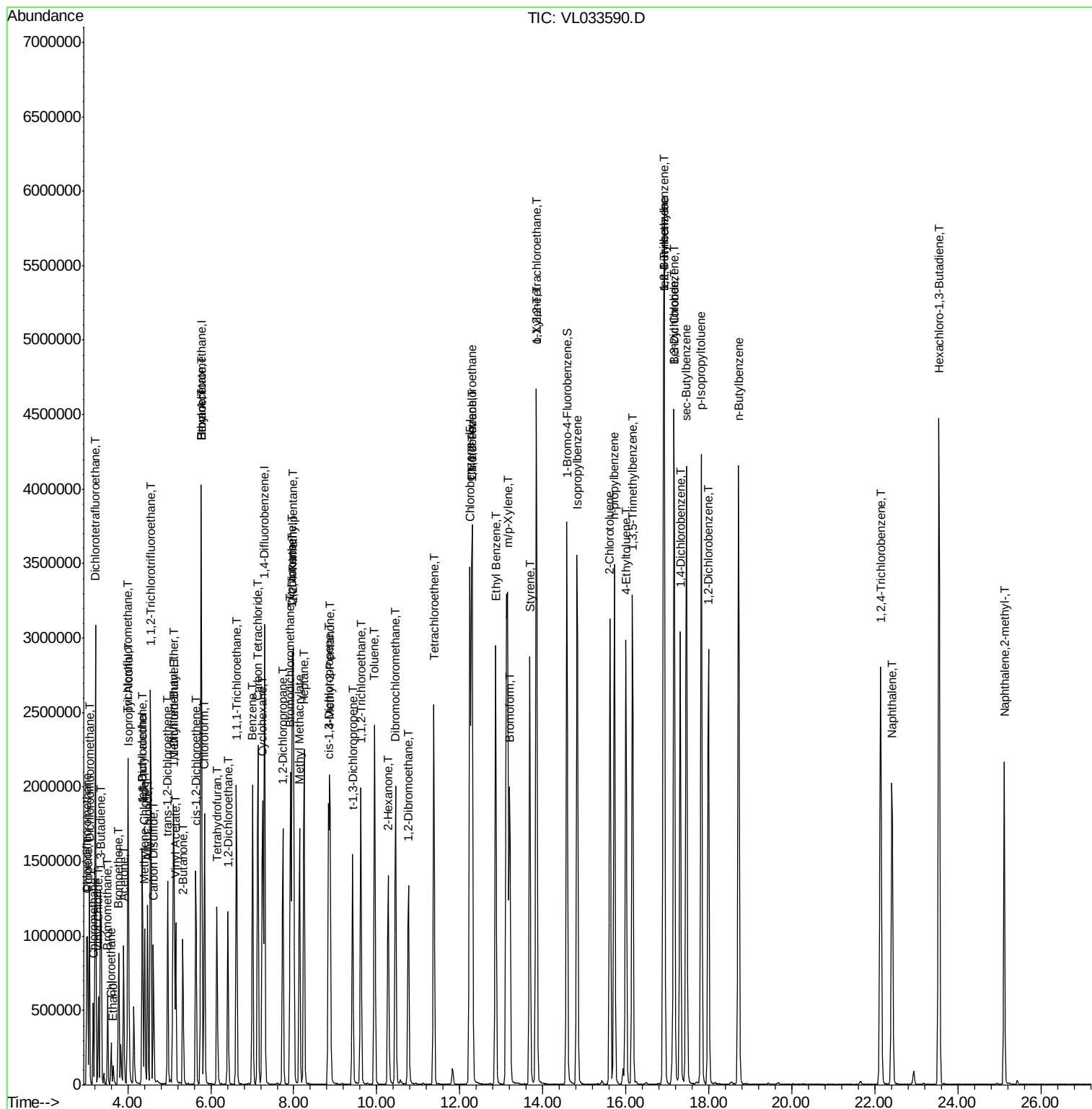
Quant Time: Apr 17 05:49:46 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Mar 26 16:00:50 2019
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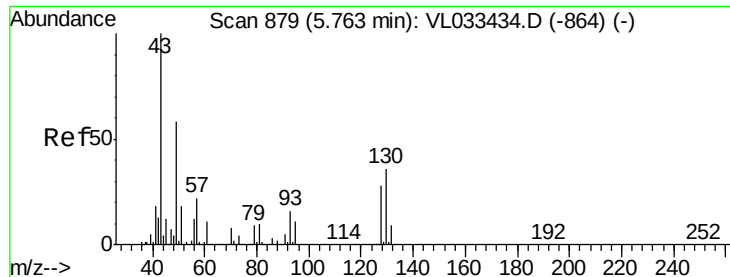
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	2744202	8.329	ppbv	99
45) t-1,3-Dichloropropene	9.42	75	915969	9.744	ppbv	95
46) cis-1,3-Dichloropropene	8.84	75	1030348	9.386	ppbv	98
47) 1,1,2-Trichloroethane	9.62	97	696563	8.305	ppbv	98
48) Dibromochloromethane	10.45	129	1259839	8.905	ppbv	100
49) Bromoform	13.20	173	1158337	8.571	ppbv	100
50) 4-Methyl-2-Pentanone	8.87	43	1672991	8.462	ppbv	99
51) 2-Hexanone	10.27	43	1325364	8.987	ppbv #	99
52) Tetrachloroethene	11.37	164	633170	8.900	ppbv	94
53) Toluene	9.95	91	1961107	8.950	ppbv	100
54) 1,2-Dibromoethane	10.76	107	1112981	8.484	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.28	131	892066	7.007	ppbv #	56
57) Chlorobenzene	12.30	112	1489518	6.905	ppbv	97
58) Ethyl Benzene	12.87	91	2758410	7.436	ppbv	100
59) m/p-Xylene	13.15	91	2369252	7.150	ppbv #	100
60) o-Xylene	13.85	91	2298664	7.174	ppbv	99
61) Styrene	13.69	104	1716982	7.808	ppbv	100
62) Isopropylbenzene	14.83	105	3241060	7.143	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.84	83	1592965	6.752	ppbv	100
64) n-propylbenzene	15.72	120	838479	7.282	ppbv	97
65) tert-Butylbenzene	16.91	119	2961548	7.407	ppbv	99
66) Benzyl Chloride	17.16	91	1696561	9.125	ppbv	99
67) sec-Butylbenzene	17.46	105	4161742	7.319	ppbv	99
69) p-Isopropyltoluene	17.82	119	3485444	7.528	ppbv	99
70) n-Butylbenzene	18.72	91	3637881	7.416	ppbv	100
71) 2-Chlorotoluene	15.62	91	2521316	7.308	ppbv	100
72) 4-Ethyltoluene	16.00	105	2727345	7.572	ppbv	99
73) 1,3,5-Trimethylbenzene	16.16	105	2596988	7.535	ppbv	97
74) 1,2,4-Trimethylbenzene	16.93	105	2708313	7.331	ppbv	98
75) 1,3-Dichlorobenzene	17.16	146	1617717	7.085	ppbv	99
76) 1,4-Dichlorobenzene	17.31	146	1617639	7.271	ppbv	100
77) 1,2-Dichlorobenzene	17.99	146	1562929	7.214	ppbv	100
78) Hexachloro-1,3-Butadiene	23.54	225	1184648	8.260	ppbv	99
79) Naphthalene	22.41	128	2654251	8.393	ppbv	99
80) Naphthalene,2-methyl-	25.11	142	1218667	11.483	ppbv	98
81) 1,2,4-Trichlorobenzene	22.13	180	1377006	7.850	ppbv	100

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

ALS Vial : 1 Sample Multiplier: 1

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 879

Delta R.T. -0.00 min

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ClientSampleId :

VL0416ABSD01

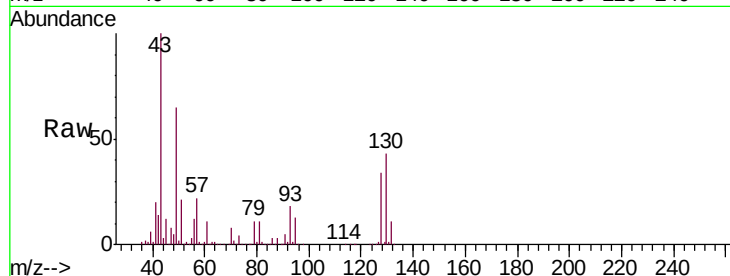
Tgt Ion: 49 Resp: 897533

Ion Ratio Lower Upper

49 100

128 50.1 24.0 72.0

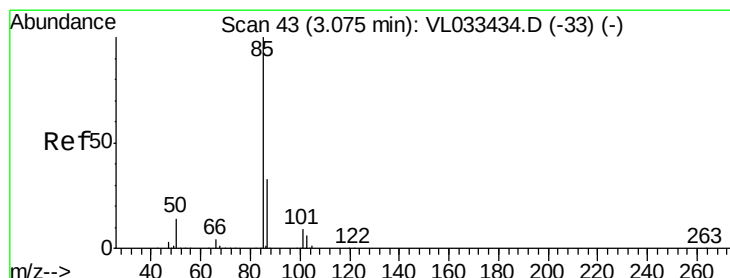
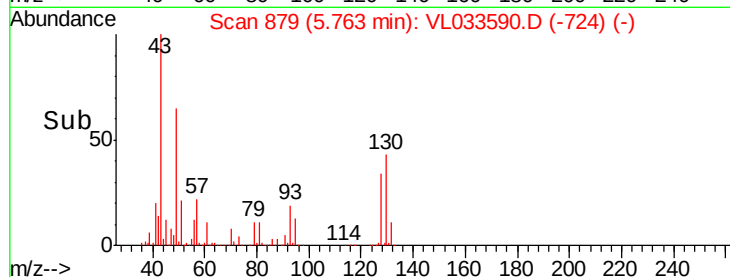
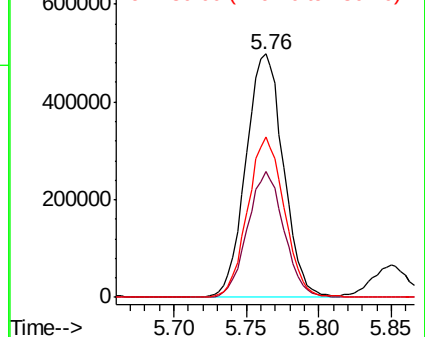
130 64.5 31.2 93.6



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: 7.124 ppbv

RT: 3.08 min Scan# 43

Delta R.T. -0.00 min

Lab File: VL033590.D

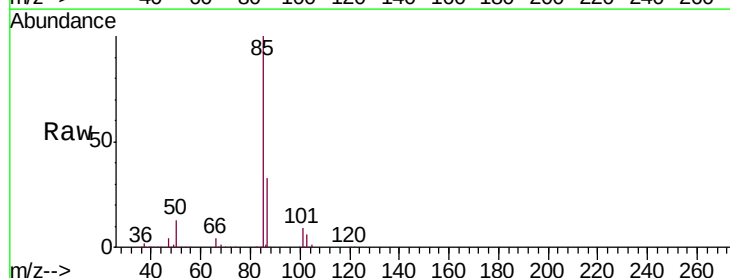
Acq: 16 Apr 2019 12:48

Tgt Ion: 85 Resp: 932571

Ion Ratio Lower Upper

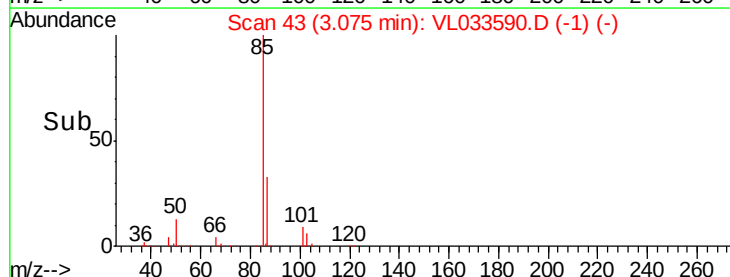
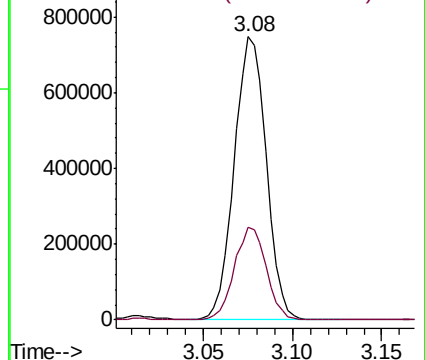
85 100

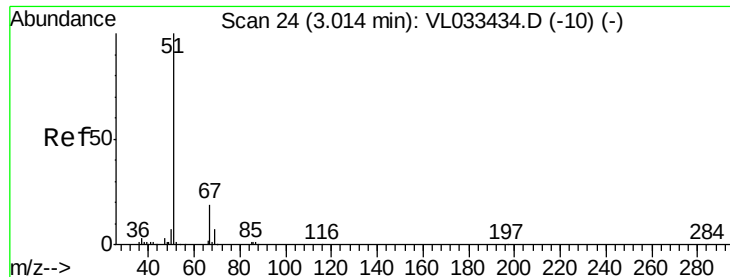
87 32.8 26.7 40.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 8.300 ppbv

RT: 3.01 min Scan# 24

Delta R.T. -0.00 min

Lab File: VL033590.D

Acq: 16 Apr 2019 12:48

Instrument :

MSVOA_L

ClientSampleId :

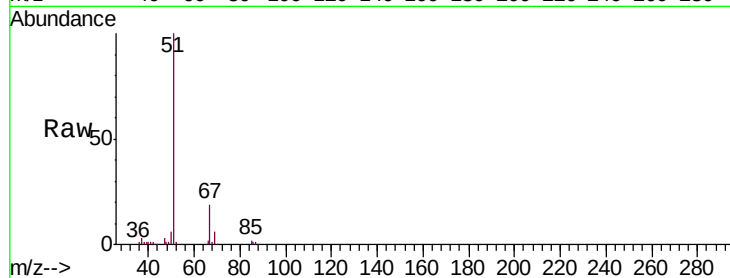
VL0416ABSD01

Tgt Ion: 51 Resp: 857618

Ion Ratio Lower Upper

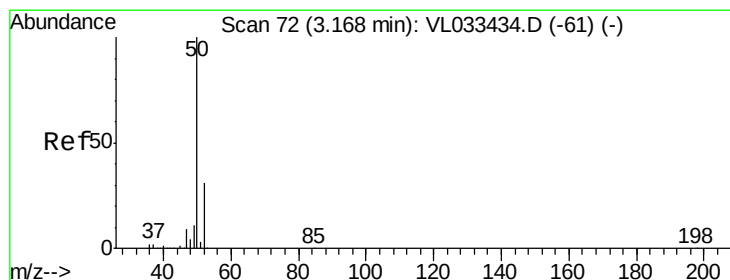
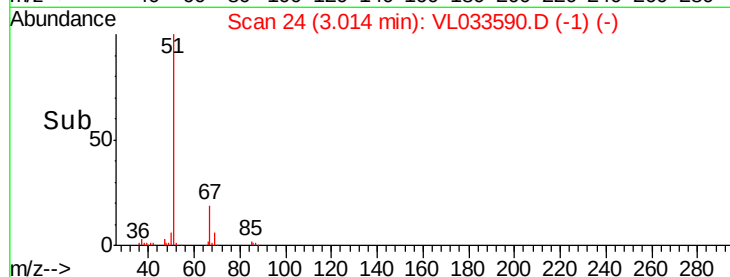
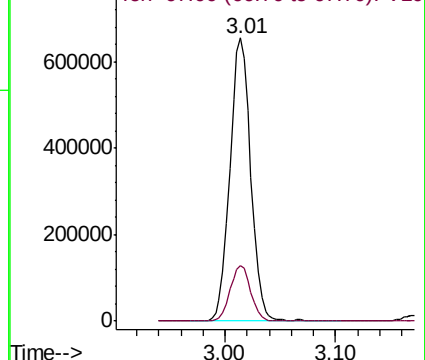
51 100

67 19.3 15.7 23.5



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 8.379 ppbv

RT: 3.17 min Scan# 72

Delta R.T. -0.00 min

Lab File: VL033590.D

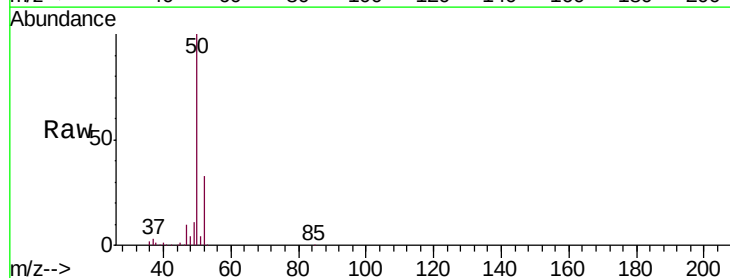
Acq: 16 Apr 2019 12:48

Tgt Ion: 50 Resp: 458149

Ion Ratio Lower Upper

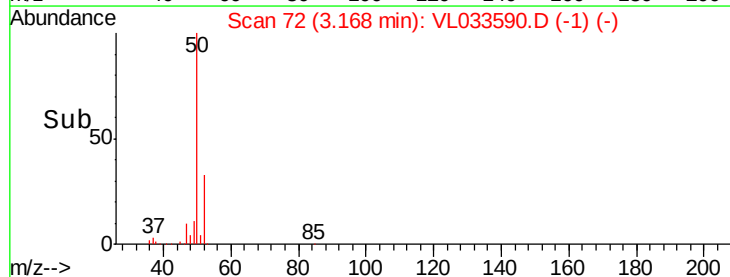
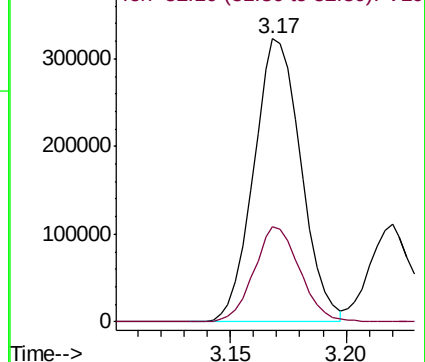
50 100

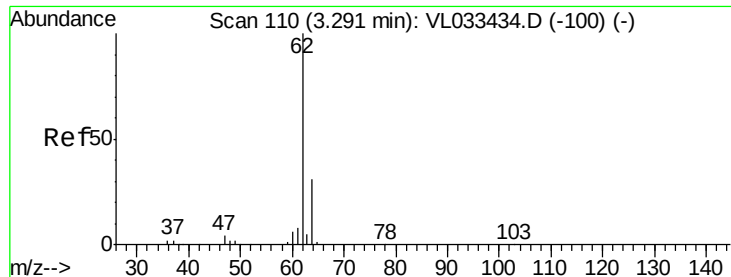
52 33.5 25.0 37.6



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 8.650 ppbv

RT: 3.29 min Scan# 110

Delta R.T. -0.00 min

Lab File: VL033590.D

Acq: 16 Apr 2019 12:48

Instrument :

MSVOA_L

ClientSampleId :

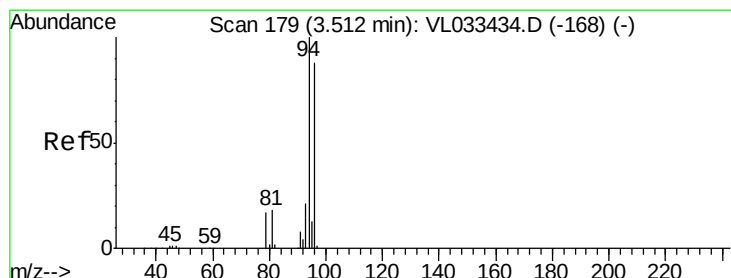
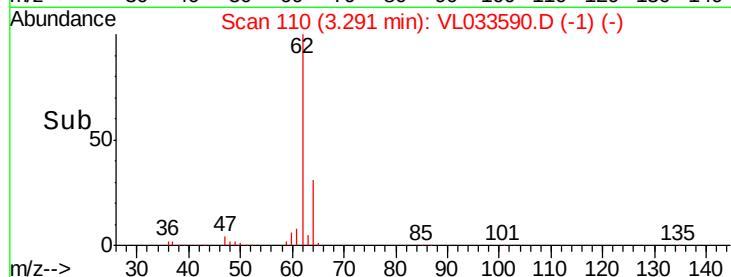
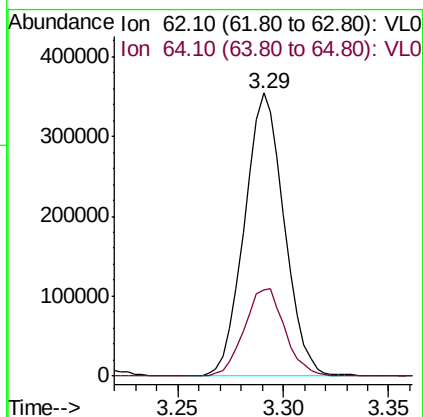
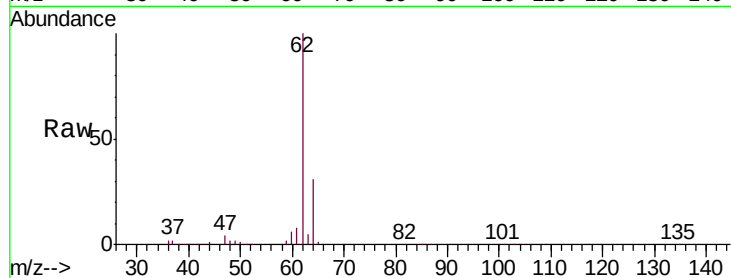
VL0416ABSD01

Tgt Ion: 62 Resp: 464690

Ion Ratio Lower Upper

62 100

64 30.7 24.9 37.3



#6

Bromomethane

Concen: 8.634 ppbv

RT: 3.52 min Scan# 180

Delta R.T. 0.00 min

Lab File: VL033590.D

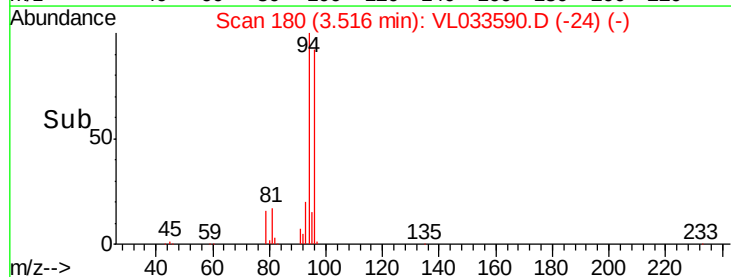
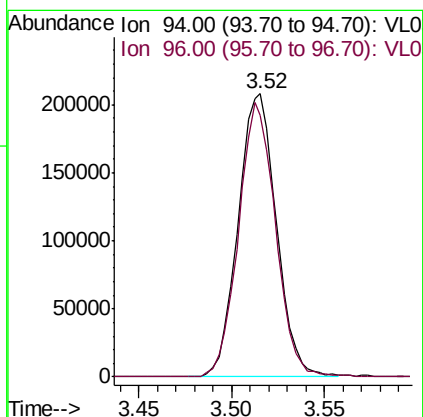
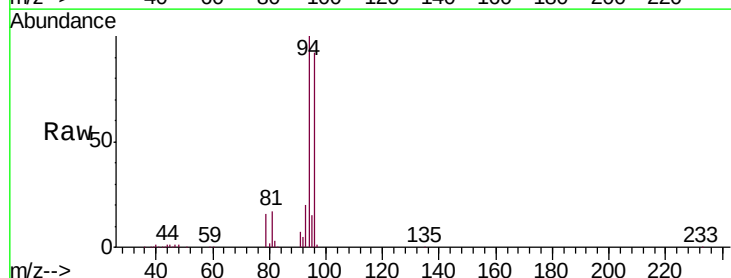
Acq: 16 Apr 2019 12:48

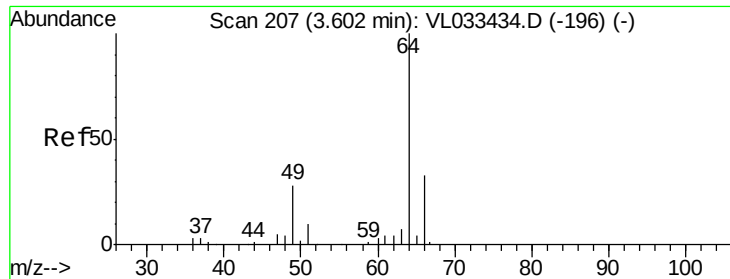
Tgt Ion: 94 Resp: 298100

Ion Ratio Lower Upper

94 100

96 92.2 70.2 105.2





#7

Chloroethane

Concen: 8.854 ppbv

RT: 3.60 min Scan# 206

Delta R.T. -0.00 min

Lab File: VL033590.D

Acq: 16 Apr 2019 12:48

Instrument :

MSVOA_L

ClientSampleId :

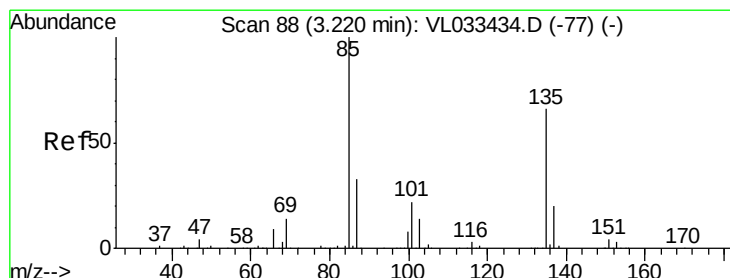
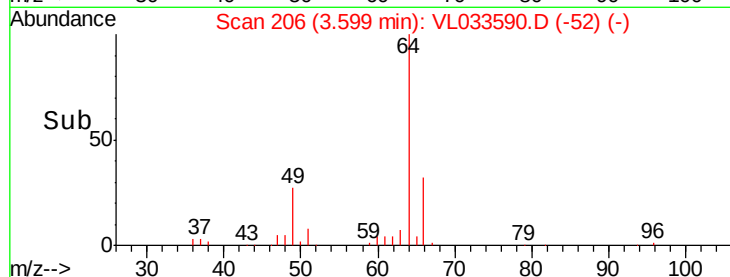
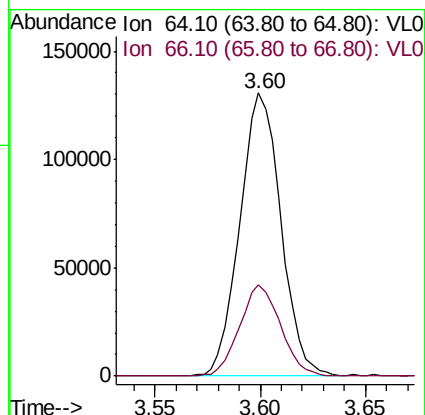
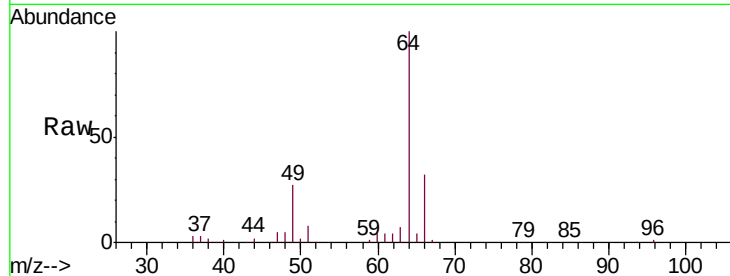
VL0416ABSD01

Tgt Ion: 64 Resp: 177023

Ion Ratio Lower Upper

64 100

66 32.3 26.7 40.1



#8

Dichlorotetrafluoroethane

Concen: 8.295 ppbv

RT: 3.22 min Scan# 88

Delta R.T. -0.00 min

Lab File: VL033590.D

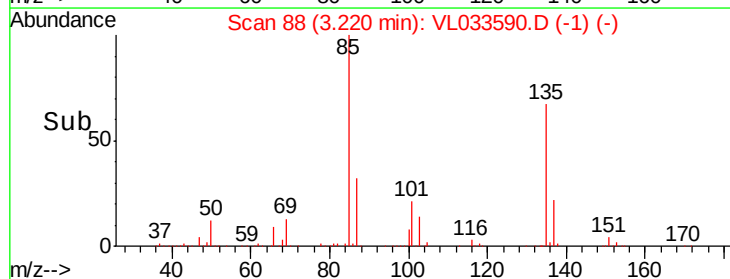
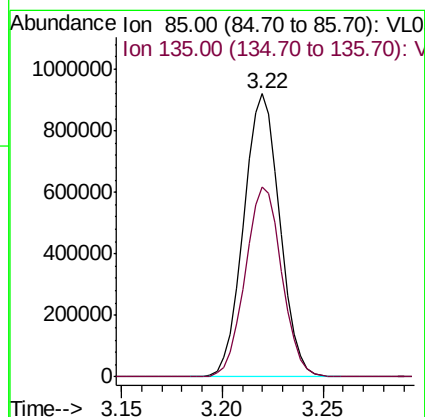
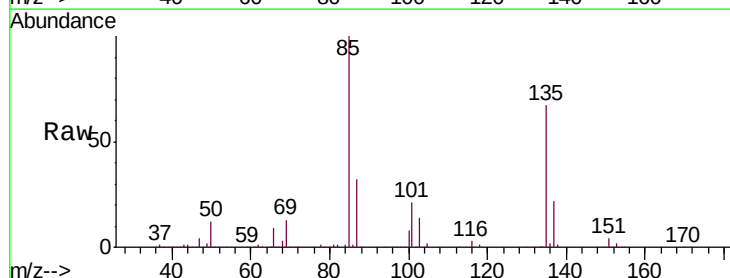
Acq: 16 Apr 2019 12:48

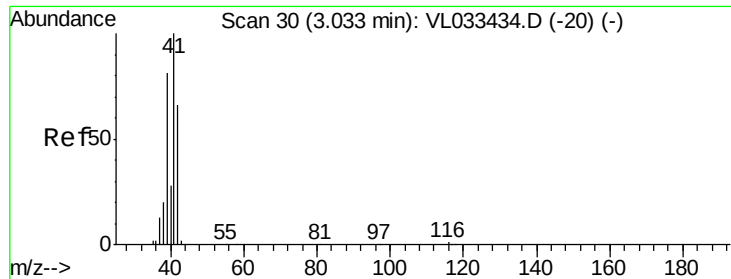
Tgt Ion: 85 Resp: 1157011

Ion Ratio Lower Upper

85 100

135 68.2 54.0 81.0





#9

Propene

Concen: 8.528 ppbv

RT: 3.04 min Scan# 31

Delta R.T. 0.00 min

Lab File: VL033590.D

Acq: 16 Apr 2019 12:48

Instrument :

MSVOA_L

ClientSampleId :

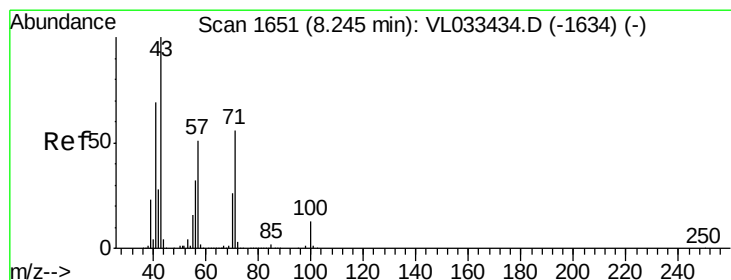
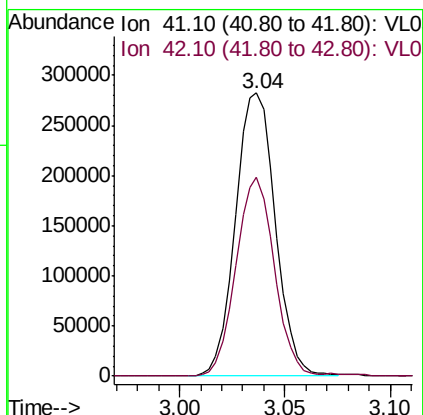
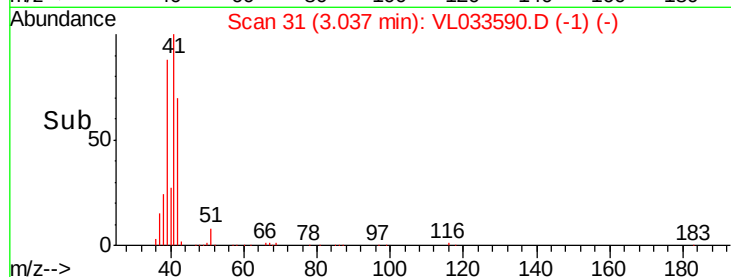
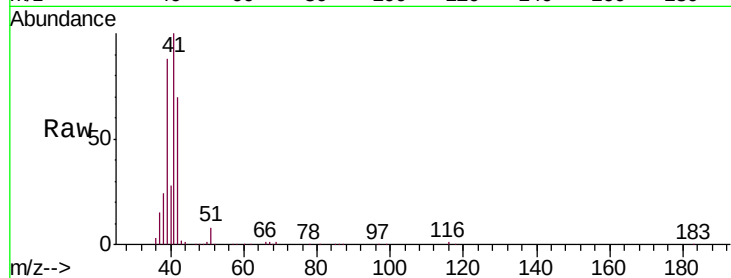
VL0416ABSD01

Tgt Ion: 41 Resp: 370054

Ion Ratio Lower Upper

41 100

42 68.7 53.9 80.9



#10

Heptane

Concen: 8.707 ppbv

RT: 8.25 min Scan# 1651

Delta R.T. -0.00 min

Lab File: VL033590.D

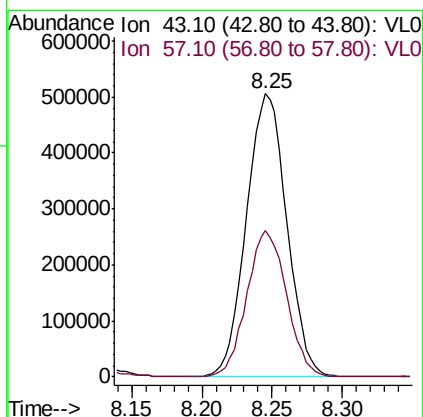
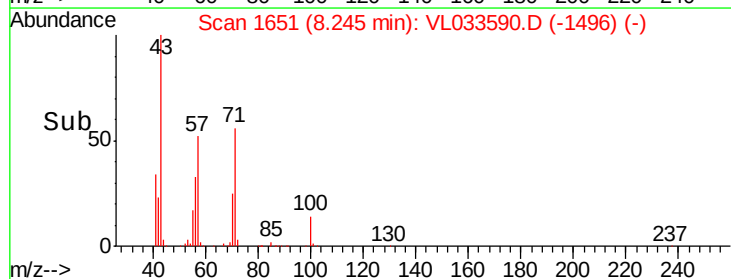
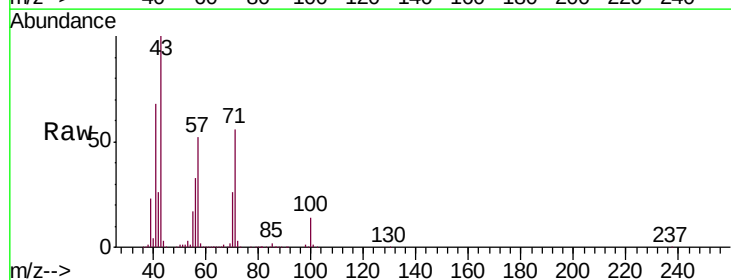
Acq: 16 Apr 2019 12:48

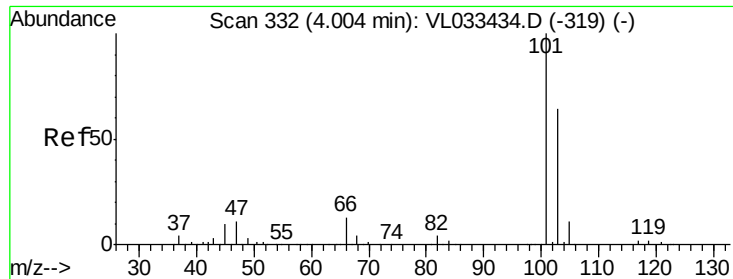
Tgt Ion: 43 Resp: 1010003

Ion Ratio Lower Upper

43 100

57 51.0 40.6 60.8

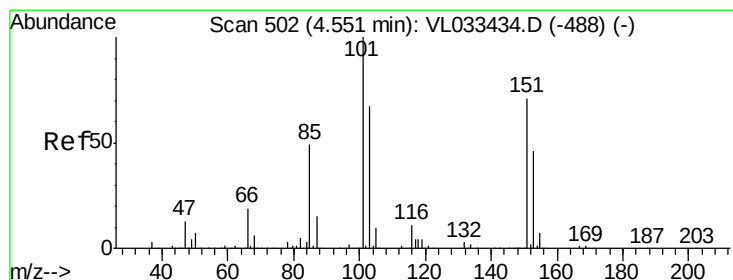
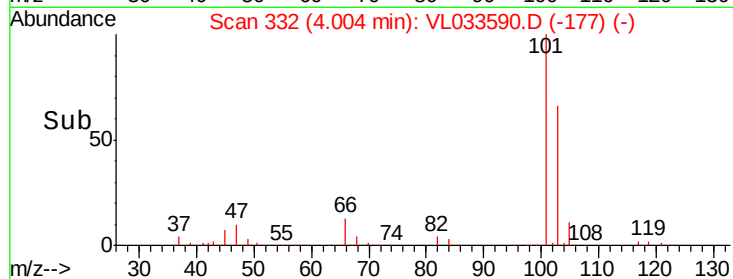
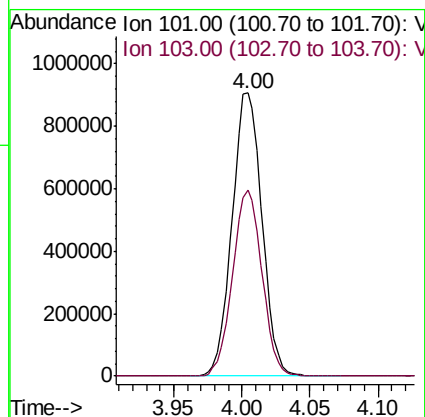
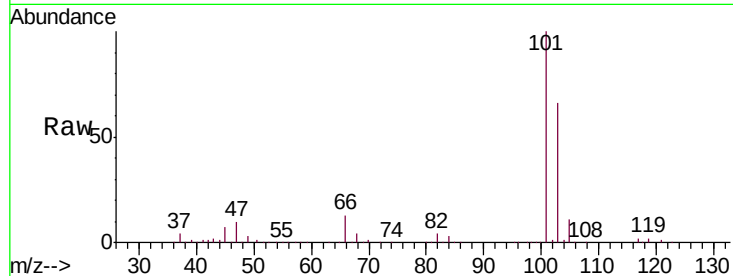




#11
 Trichlorofluoromethane
 Concen: 8.555 ppbv
 RT: 4.00 min Scan# 332
 Delta R.T. -0.00 min
 Lab File: VL033590.D
 Acq: 16 Apr 2019 12:48

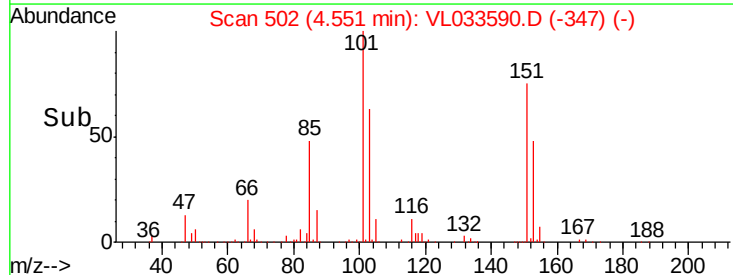
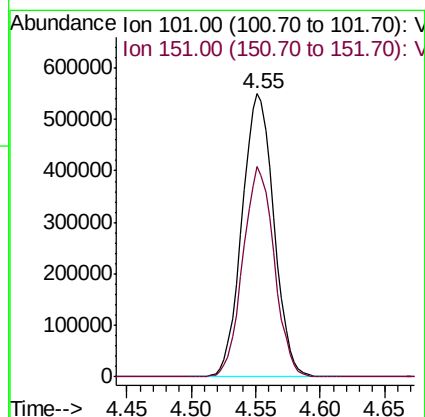
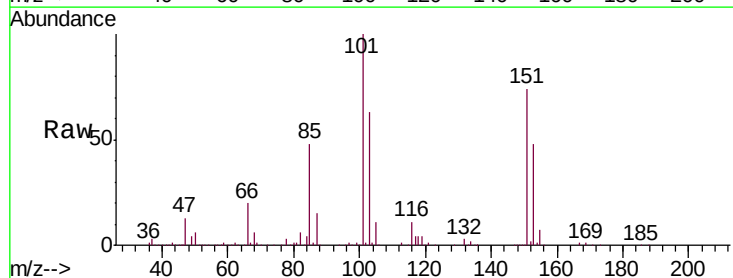
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0416ABSD01

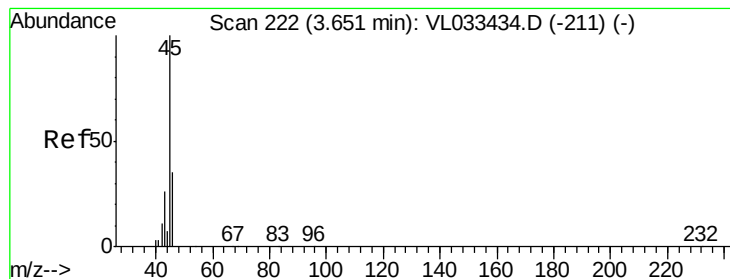
Tgt Ion:101 Resp: 1380168
 Ion Ratio Lower Upper
 101 100
 103 65.7 51.3 76.9



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.715 ppbv
 RT: 4.55 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VL033590.D
 Acq: 16 Apr 2019 12:48

Tgt Ion:101 Resp: 944370
 Ion Ratio Lower Upper
 101 100
 151 73.1 57.7 86.5





#13

Ethanol

Concen: 11.099 ppbv

RT: 3.65 min Scan# 221

Delta R.T. -0.00 min

Lab File: VL033590.D

Acq: 16 Apr 2019 12:48

Instrument :

MSVOA_L

ClientSampleId :

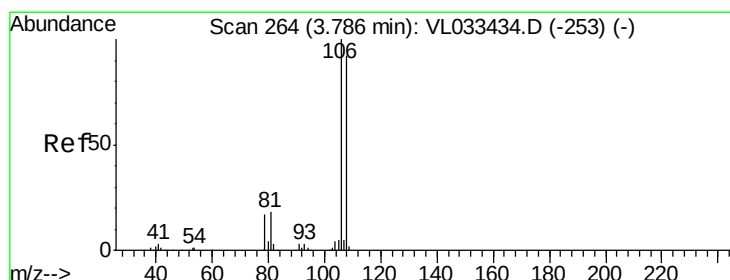
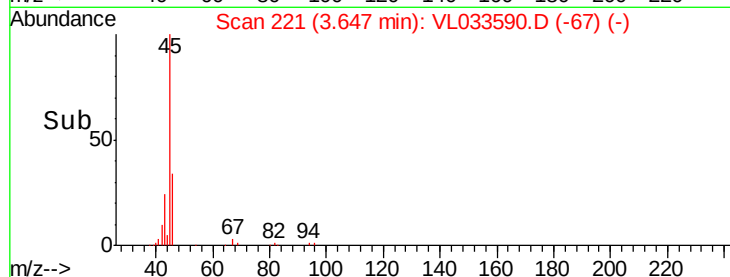
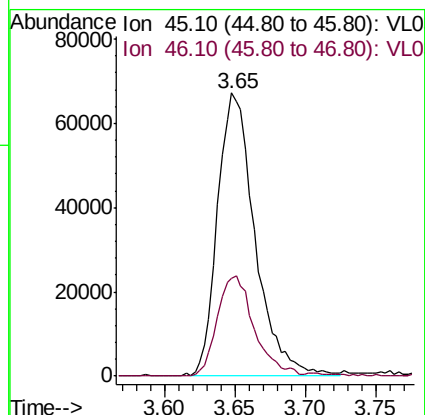
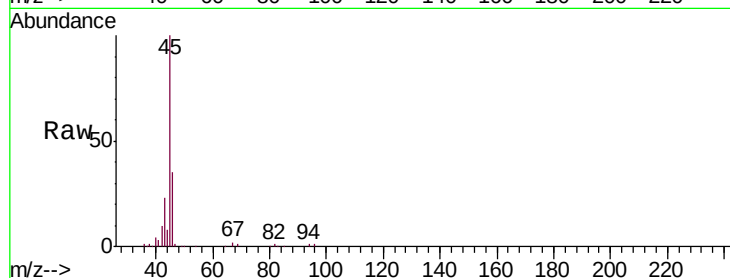
VL0416ABSD01

Tgt Ion: 45 Resp: 124632

Ion Ratio Lower Upper

45 100

46 35.7 25.4 101.8



#14

Bromoethene

Concen: 8.949 ppbv

RT: 3.79 min Scan# 265

Delta R.T. 0.00 min

Lab File: VL033590.D

Acq: 16 Apr 2019 12:48

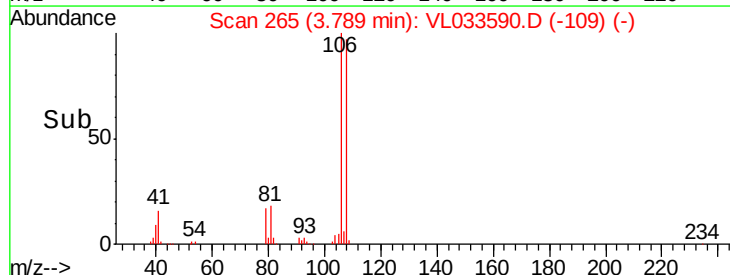
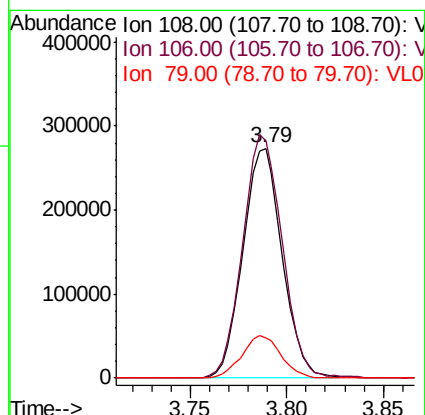
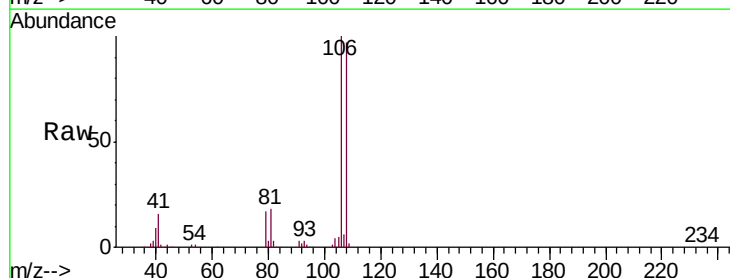
Tgt Ion: 108 Resp: 386755

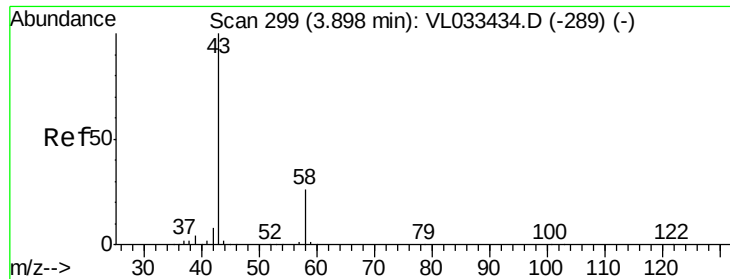
Ion Ratio Lower Upper

108 100

106 107.0 86.4 129.6

79 18.5 15.8 23.8





#15

Acetone

Concen: 8.264 ppbv

RT: 3.90 min Scan# 300

Delta R.T. 0.00 min

Lab File: VL033590.D

Acq: 16 Apr 2019 12:48

Instrument :

MSVOA_L

ClientSampleId :

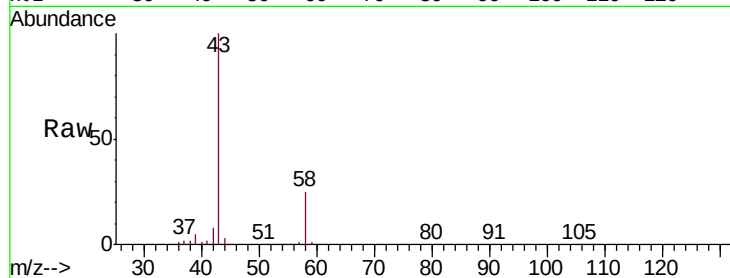
VL0416ABSD01

Tgt Ion: 43 Resp: 891826

Ion Ratio Lower Upper

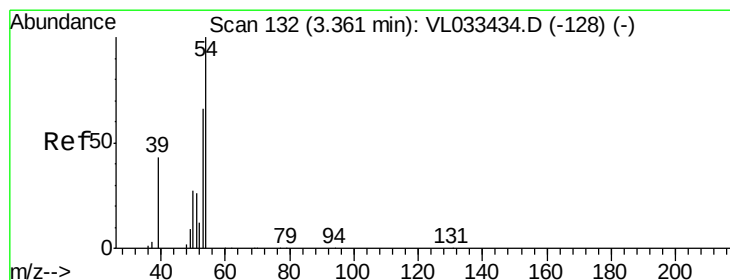
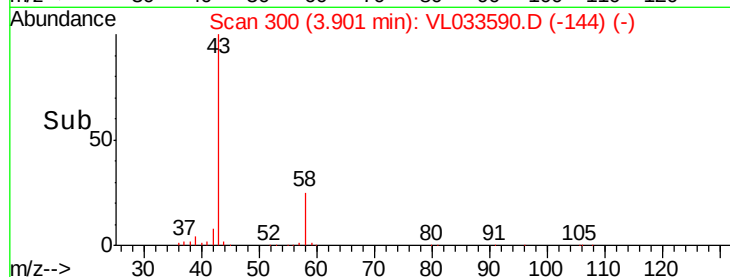
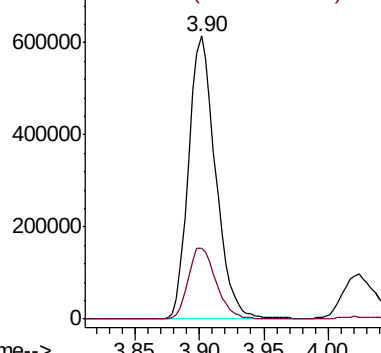
43 100

58 26.1 20.5 30.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 9.683 ppbv

RT: 3.36 min Scan# 132

Delta R.T. -0.00 min

Lab File: VL033590.D

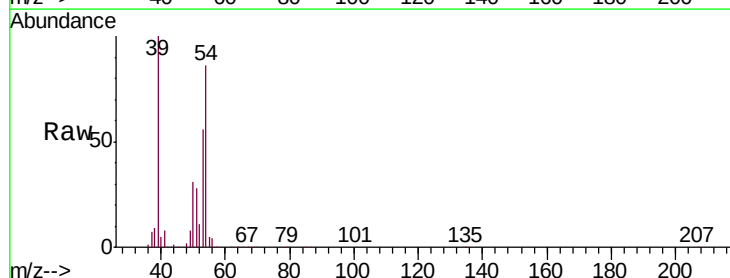
Acq: 16 Apr 2019 12:48

Tgt Ion: 39 Resp: 414484

Ion Ratio Lower Upper

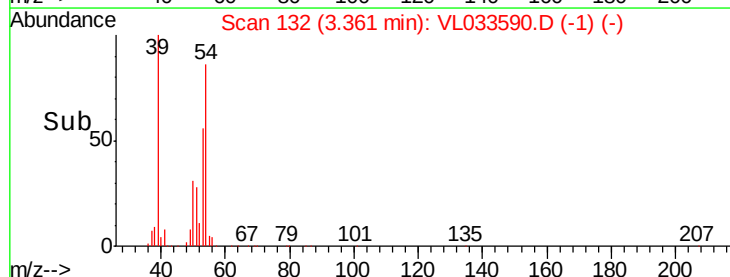
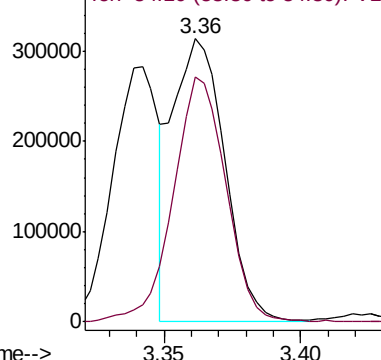
39 100

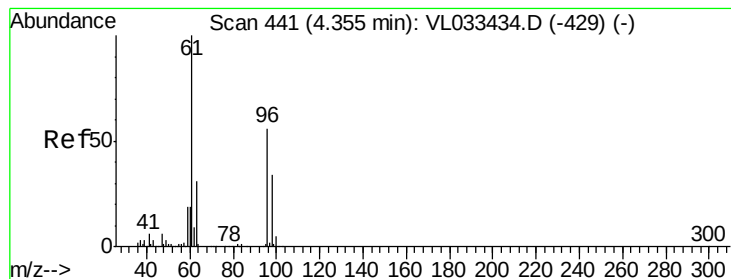
54 88.4 69.4 104.2



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

tert-Butyl alcohol

Concen: 9.684 ppbv

RT: 4.35 min Scan# 441

Delta R.T. -0.00 min

Lab File: VL033590.D

Acq: 16 Apr 2019 12:48

Instrument :

MSVOA_L

ClientSampleId :

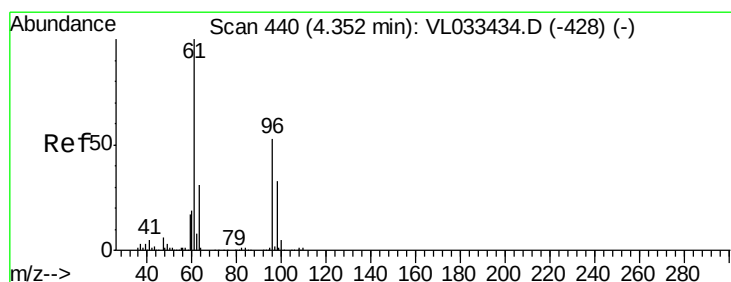
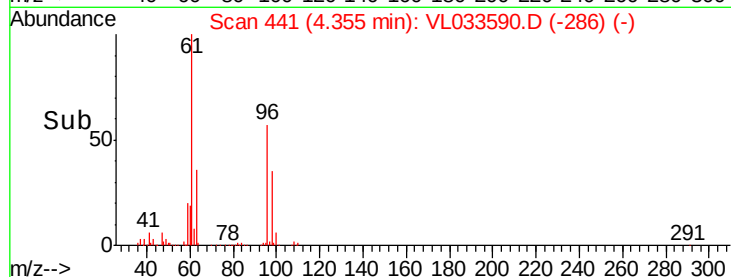
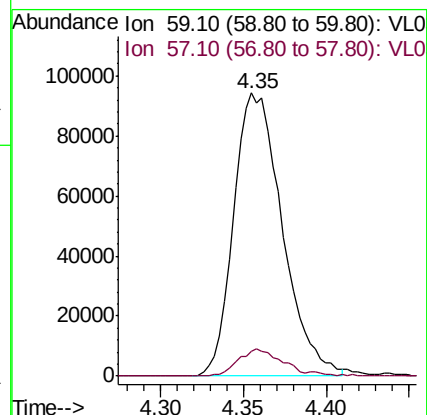
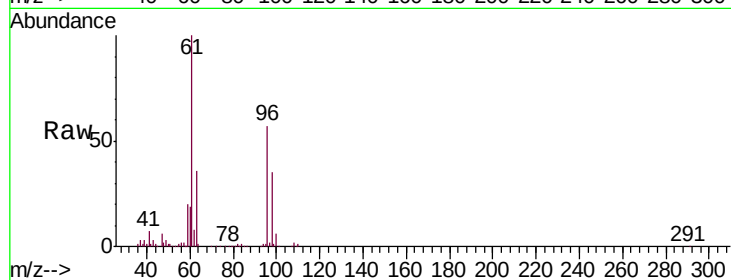
VL0416ABSD01

Tgt Ion: 59 Resp: 192147

Ion Ratio Lower Upper

59 100

57 9.1 7.8 11.8



#18

1,1-Dichloroethene

Concen: 8.968 ppbv

RT: 4.35 min Scan# 440

Delta R.T. -0.00 min

Lab File: VL033590.D

Acq: 16 Apr 2019 12:48

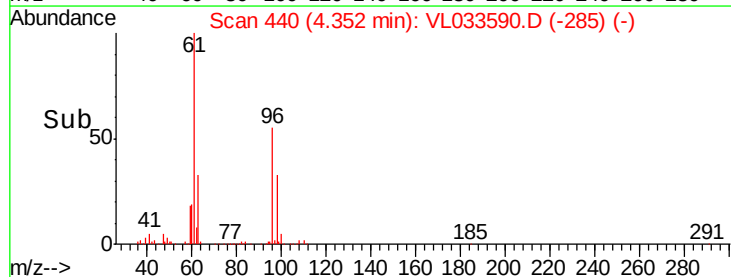
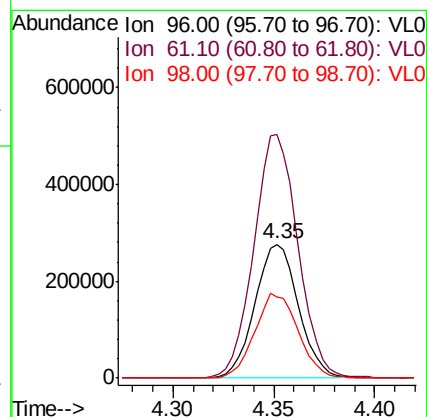
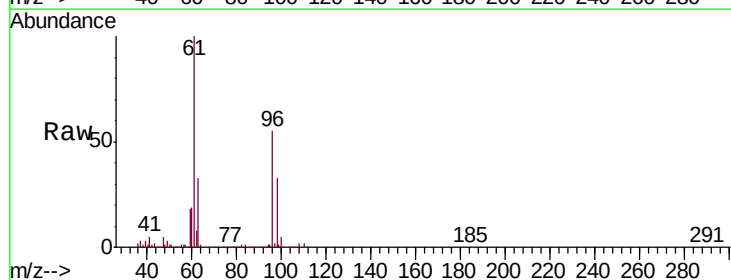
Tgt Ion: 96 Resp: 417392

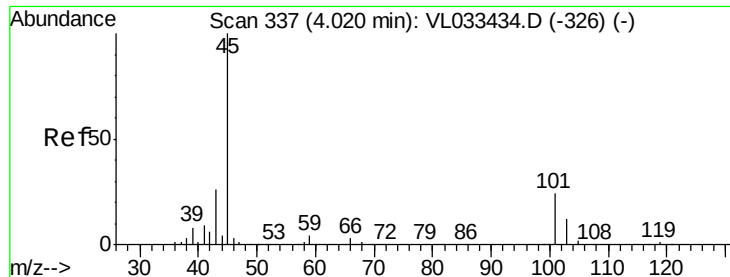
Ion Ratio Lower Upper

96 100

61 182.2 149.8 224.6

98 60.9 48.7 73.1





#19

Isopropyl Alcohol

Concen: 10.166 ppbv

RT: 4.02 min Scan# 337

Delta R.T. -0.00 min

Lab File: VL033590.D

Acq: 16 Apr 2019 12:48

Instrument :

MSVOA_L

ClientSampleId :

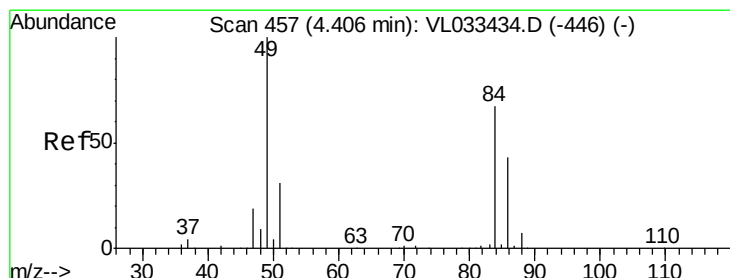
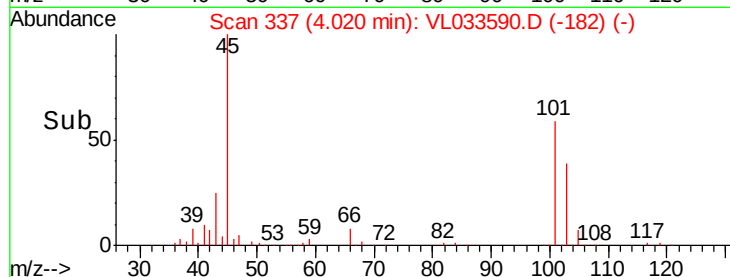
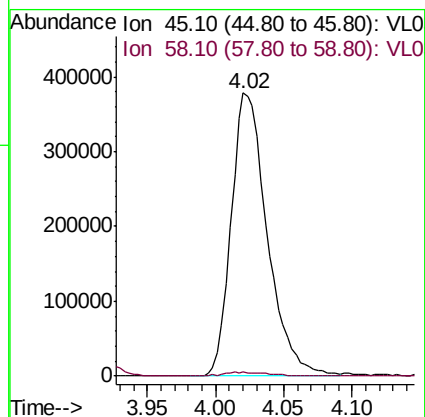
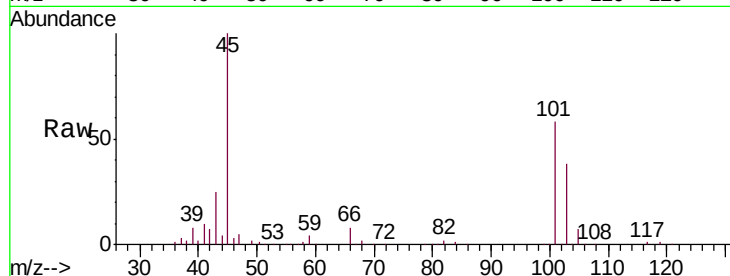
VL0416ABSD01

Tgt Ion: 45 Resp: 693908

Ion Ratio Lower Upper

45 100

58 1.8 1.4 2.2



#20

Methylene Chloride

Concen: 8.009 ppbv

RT: 4.41 min Scan# 457

Delta R.T. -0.00 min

Lab File: VL033590.D

Acq: 16 Apr 2019 12:48

Tgt Ion: 84 Resp: 366881

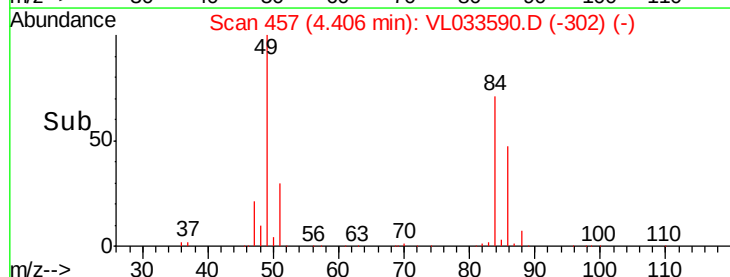
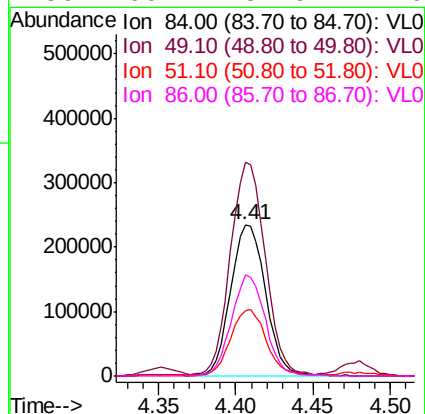
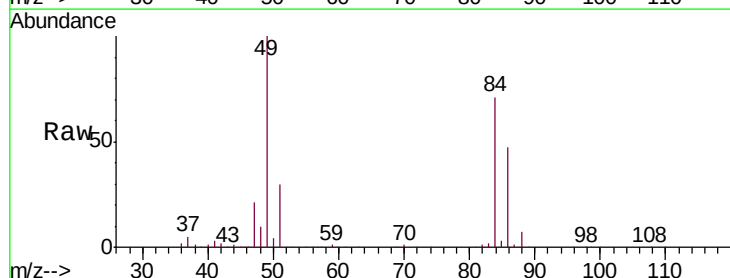
Ion Ratio Lower Upper

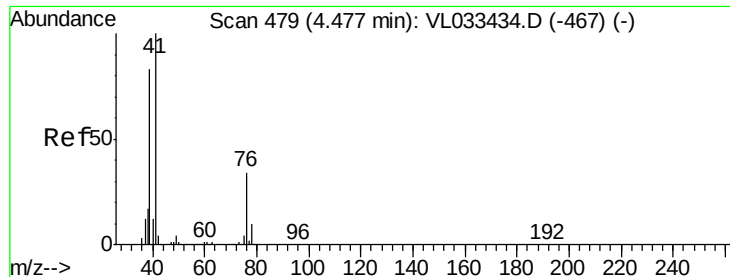
84 100

49 140.1 120.0 180.0

51 42.1 36.7 55.1

86 66.2 51.9 77.9

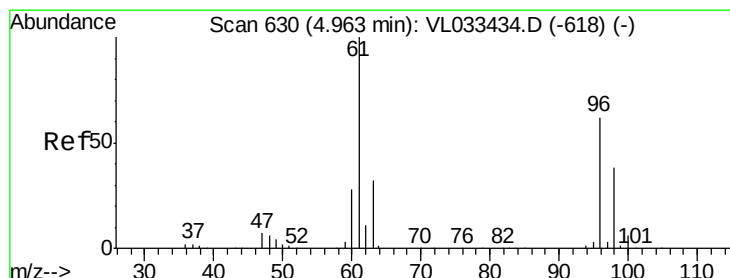
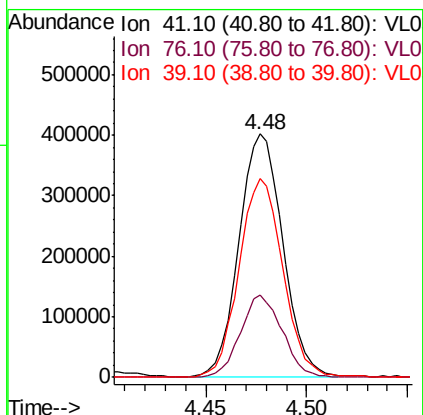
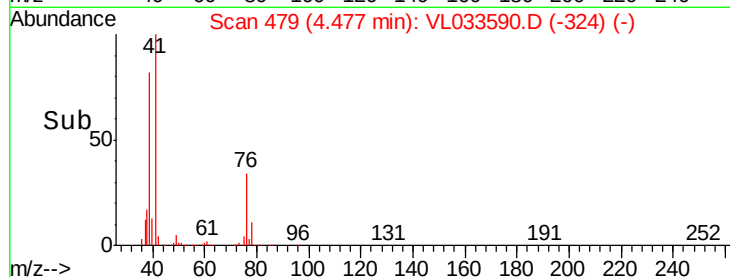
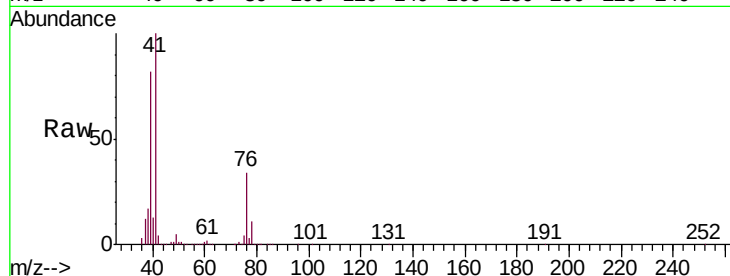




#21
 Allyl Chloride
 Concen: 8.986 ppbv
 RT: 4.48 min Scan# 479
 Delta R.T. -0.00 min
 Lab File: VL033590.D
 Acq: 16 Apr 2019 12:48

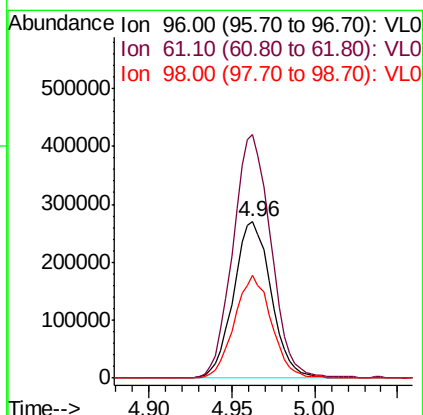
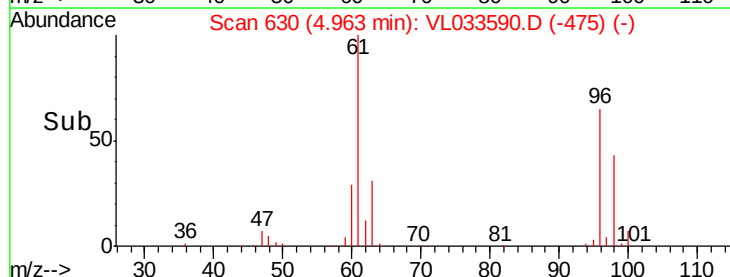
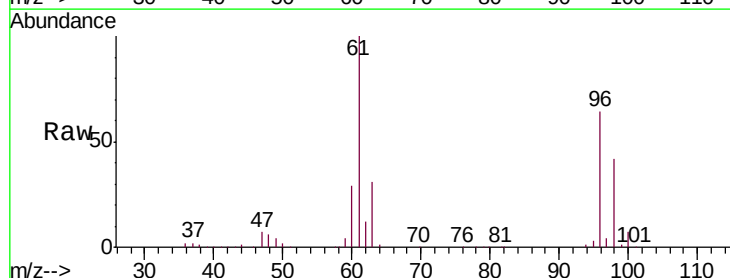
Instrument :
 MSVOA_L
 ClientSampleID :
 VL0416ABSD01

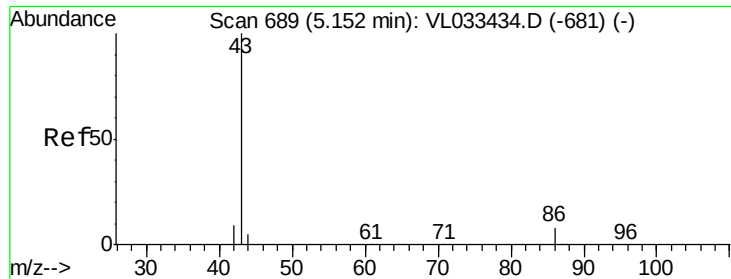
Tgt Ion: 41 Resp: 613038
 Ion Ratio Lower Upper
 41 100
 76 32.4 25.4 38.2
 39 81.8 65.3 97.9



#22
 trans-1,2-Dichloroethene
 Concen: 8.770 ppbv
 RT: 4.96 min Scan# 630
 Delta R.T. -0.00 min
 Lab File: VL033590.D
 Acq: 16 Apr 2019 12:48

Tgt Ion: 96 Resp: 425877
 Ion Ratio Lower Upper
 96 100
 61 155.6 128.9 193.3
 98 65.8 49.5 74.3





#23

Vinyl Acetate

Concen: 9.121 ppbv

RT: 5.16 min Scan# 690

Delta R.T. 0.00 min

Lab File: VL033590.D

Acq: 16 Apr 2019 12:48

Instrument :

MSVOA_L

ClientSampleId :

VL0416ABSD01

Tgt Ion: 43 Resp: 1401021

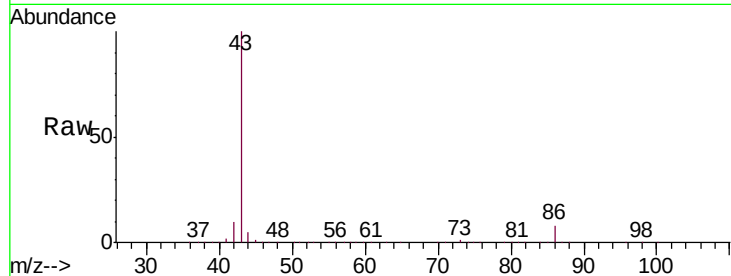
Ion Ratio Lower Upper

43 100

86 8.1 5.6 8.4

42 10.0 8.0 12.0

44 5.1 3.9 5.9

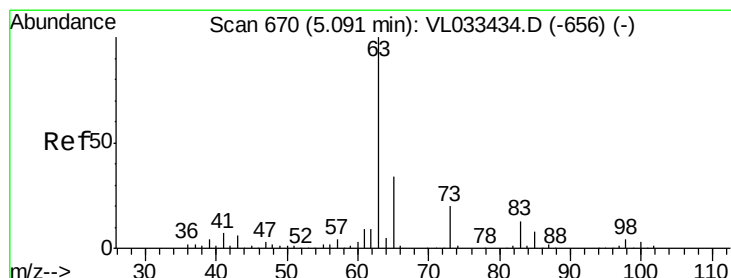
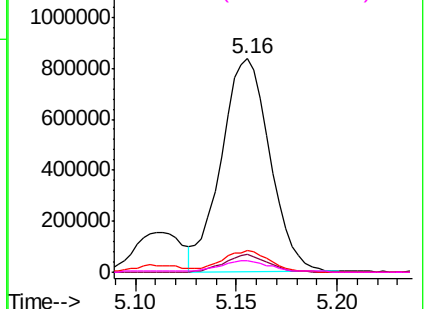
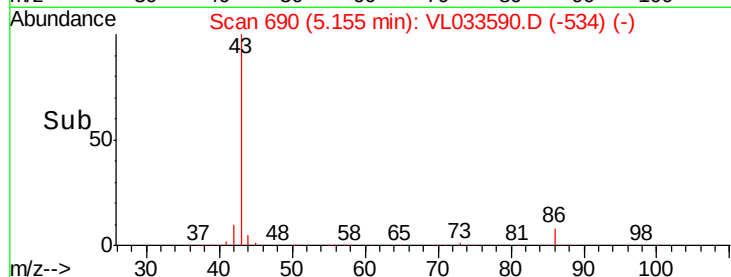


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 8.451 ppbv

RT: 5.09 min Scan# 670

Delta R.T. -0.00 min

Lab File: VL033590.D

Acq: 16 Apr 2019 12:48

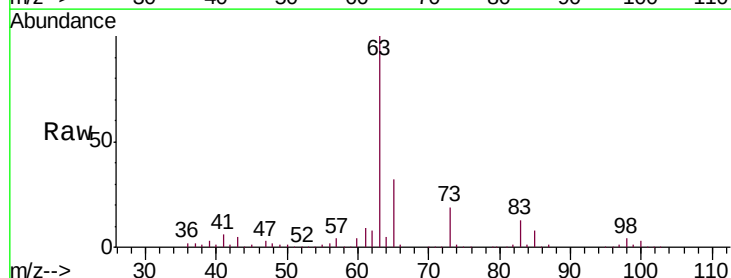
Tgt Ion: 63 Resp: 986118

Ion Ratio Lower Upper

63 100

98 4.2 2.2 6.6

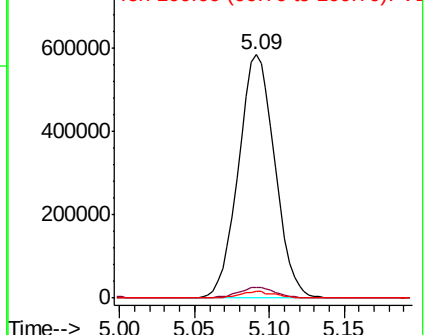
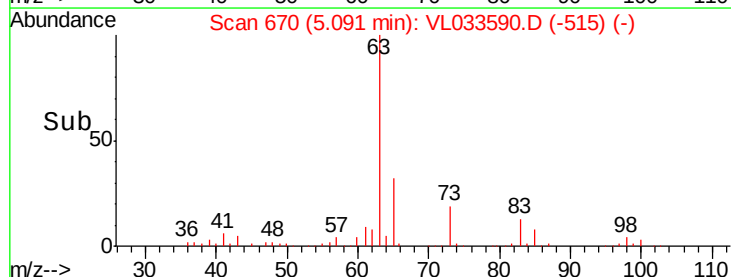
100 2.8 1.5 4.4

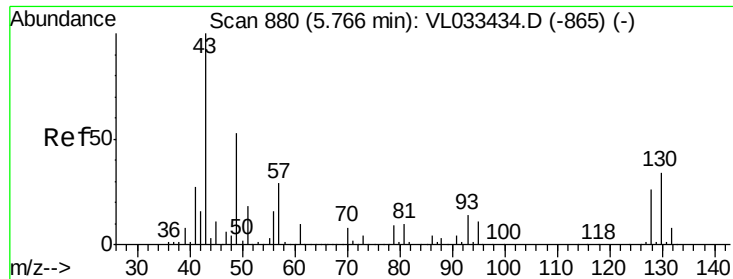


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 8.395 ppbv

RT: 5.77 min Scan# 880

Delta R.T. -0.00 min

Lab File: VL033590.D

Acq: 16 Apr 2019 12:48

Instrument :

MSVOA_L

ClientSampleId :

VL0416ABSD01

Tgt Ion: 43 Resp: 1680921

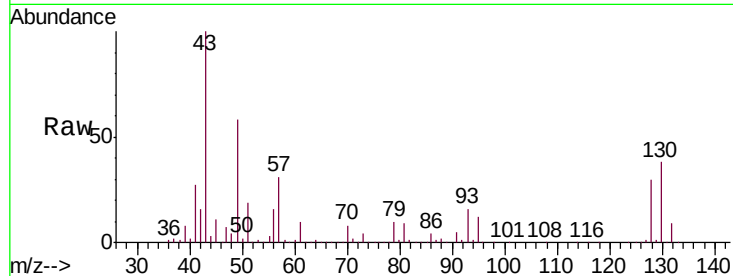
Ion Ratio Lower Upper

43 100

45 9.9 7.8 11.6

61 9.5 7.3 10.9

70 7.0 5.6 8.4

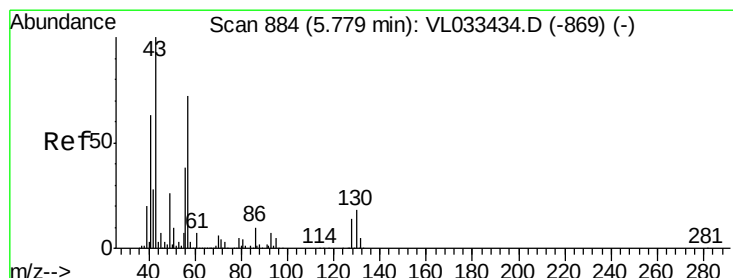
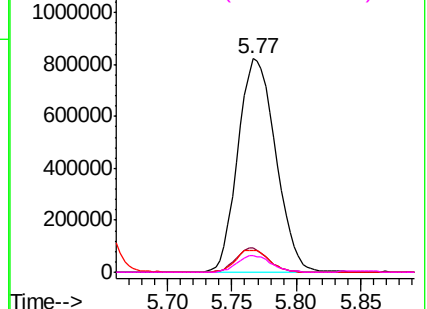
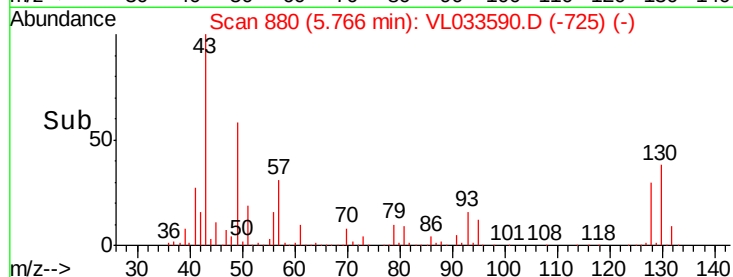


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 8.567 ppbv

RT: 5.78 min Scan# 884

Delta R.T. -0.00 min

Lab File: VL033590.D

Acq: 16 Apr 2019 12:48

Tgt Ion: 57 Resp: 762750

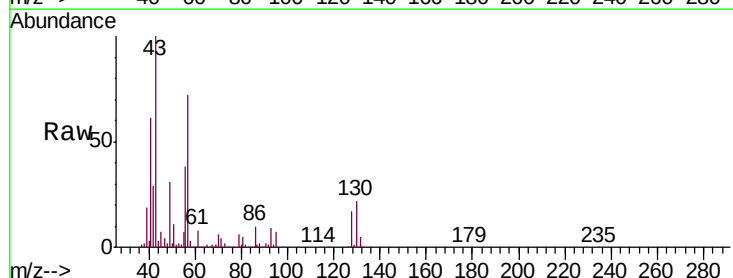
Ion Ratio Lower Upper

57 100

41 87.0 70.7 106.1

43 221.4 182.6 274.0

56 52.5 42.0 63.0

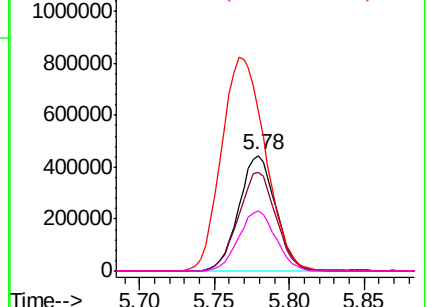
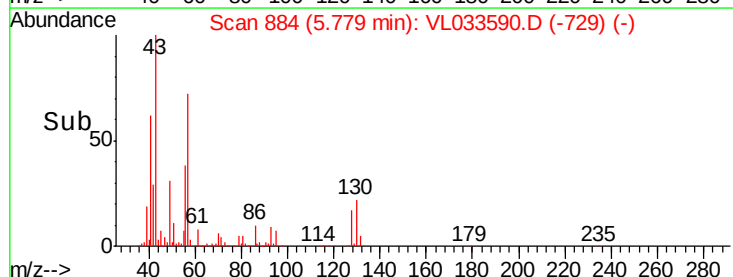


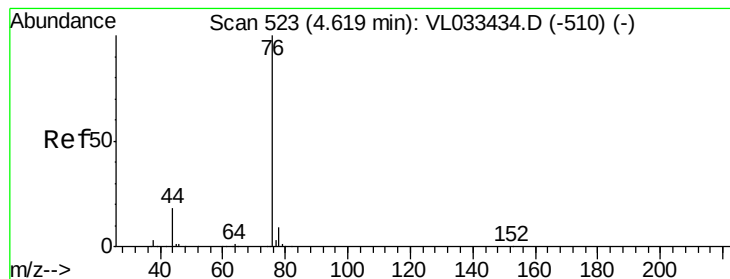
Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 9.799 ppbv

RT: 4.62 min Scan# 523

Delta R.T. -0.00 min

Lab File: VL033590.D

Acq: 16 Apr 2019 12:48

Instrument :

MSVOA_L

ClientSampleId :

VL0416ABSD01

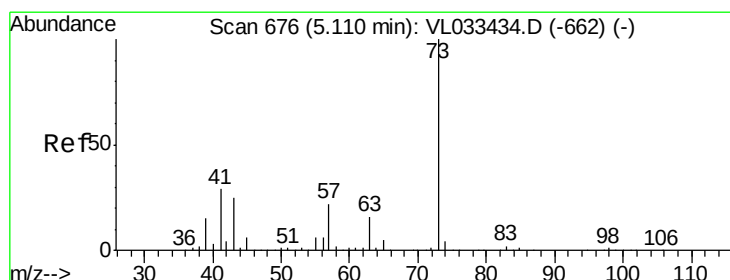
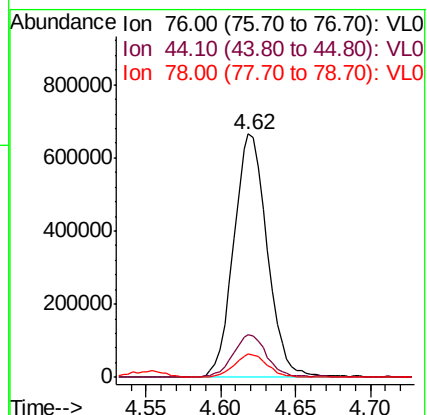
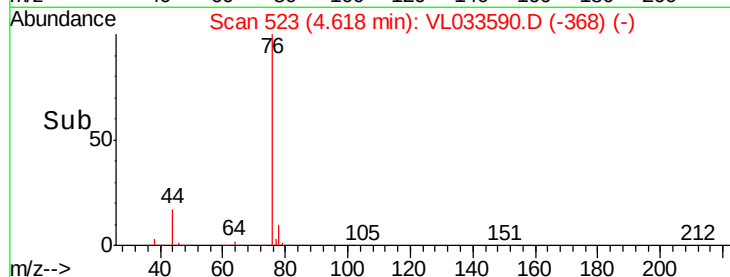
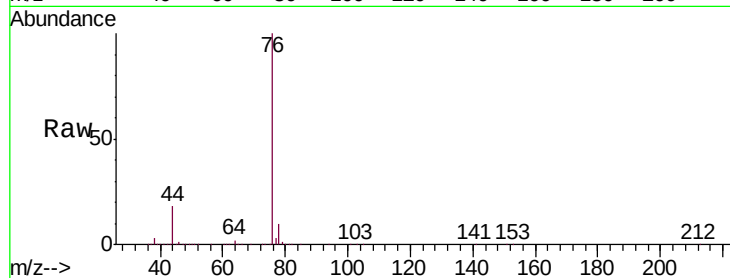
Tgt Ion: 76 Resp: 1037381

Ion Ratio Lower Upper

76 100

44 17.2 14.8 22.2

78 9.3 7.6 11.4



#28

Methyl tert-Butyl Ether

Concen: 9.206 ppbv

RT: 5.11 min Scan# 677

Delta R.T. 0.00 min

Lab File: VL033590.D

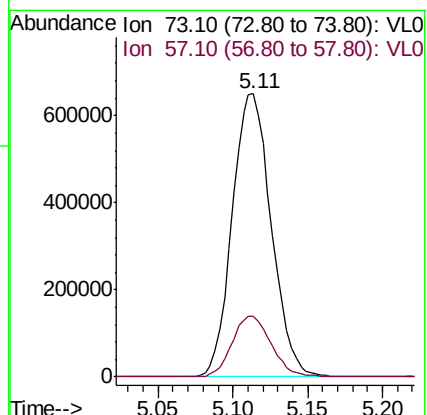
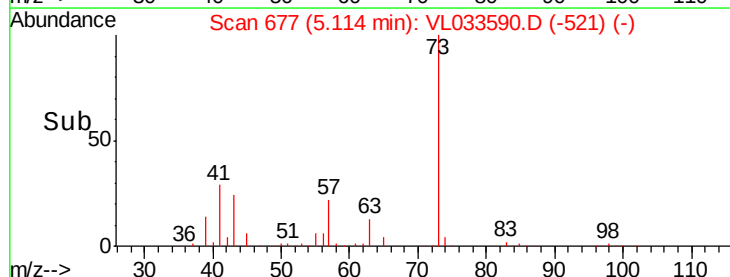
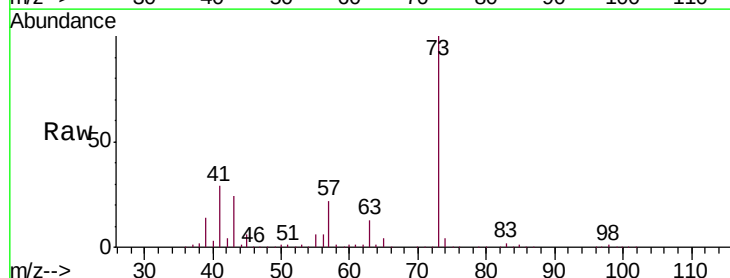
Acq: 16 Apr 2019 12:48

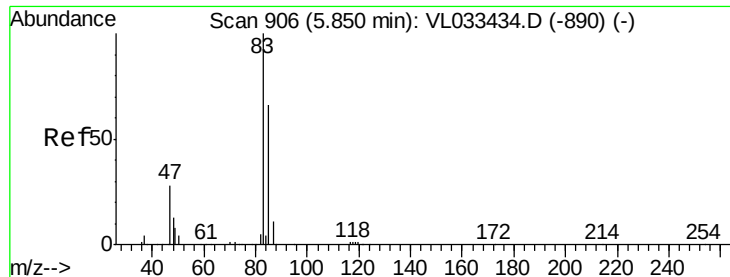
Tgt Ion: 73 Resp: 1180430

Ion Ratio Lower Upper

73 100

57 21.6 17.4 26.2

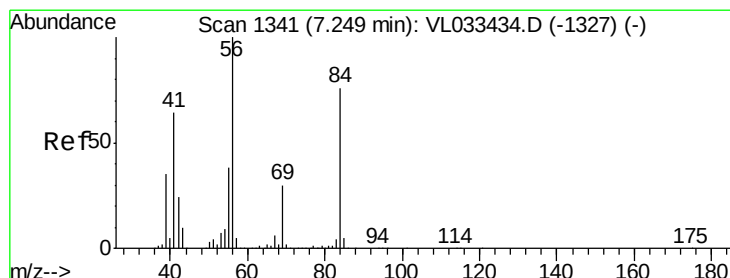
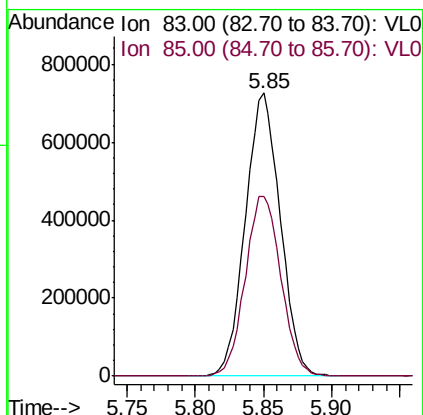
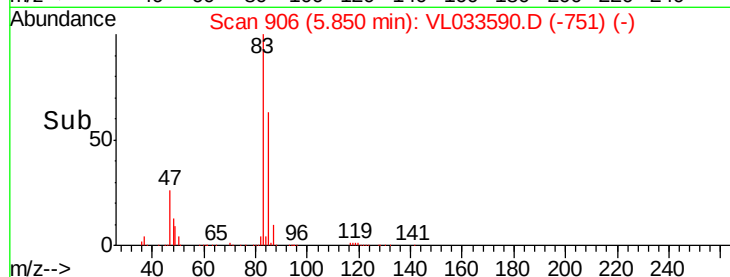
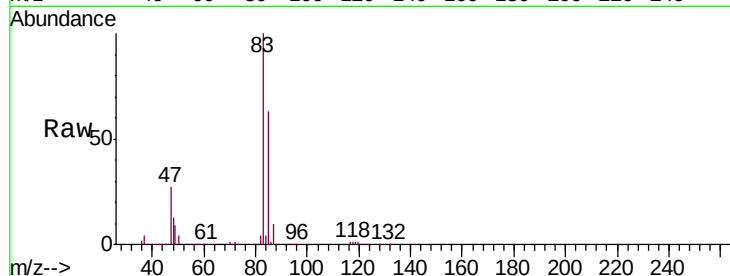




#29
Chloroform
Concen: 8.454 ppbv
RT: 5.85 min Scan# 906
Delta R.T. -0.00 min
Lab File: VL033590.D
Acq: 16 Apr 2019 12:48

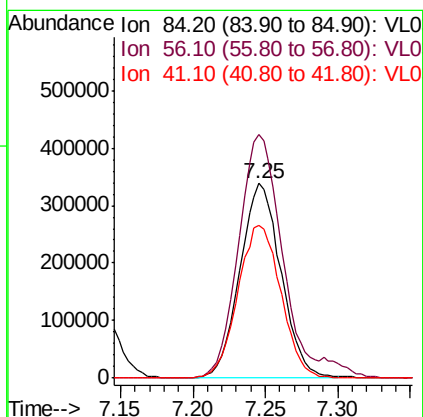
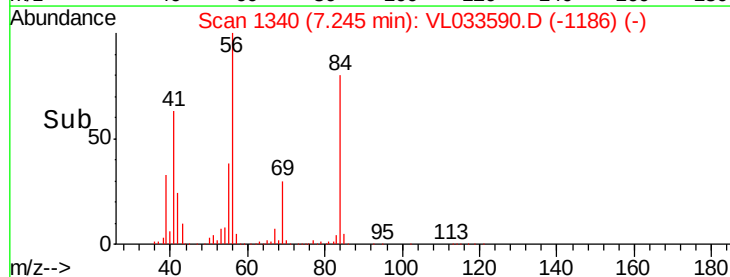
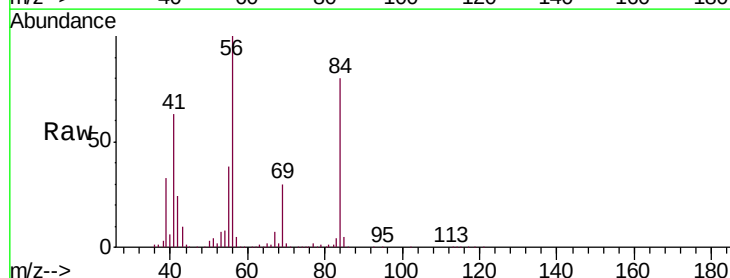
Instrument :
MSVOA_L
ClientSampleId :
VL0416ABSD01

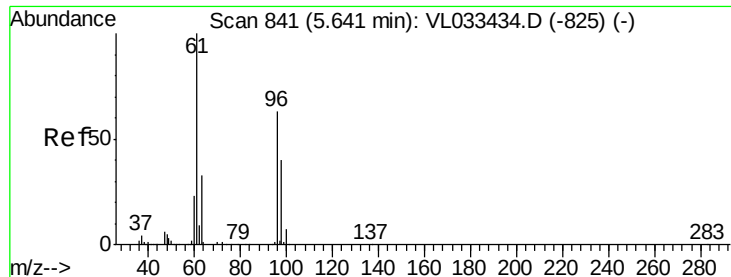
Tgt Ion: 83 Resp: 1290206
Ion Ratio Lower Upper
83 100
85 63.3 52.6 79.0



#30
Cyclohexane
Concen: 9.476 ppbv
RT: 7.25 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VL033590.D
Acq: 16 Apr 2019 12:48

Tgt Ion: 84 Resp: 667414
Ion Ratio Lower Upper
84 100
56 136.5 109.7 164.5
41 82.2 68.2 102.2





#31

cis-1,2-Dichloroethene

Concen: 8.871 ppbv

RT: 5.64 min Scan# 841

Delta R.T. -0.00 min

Lab File: VL033590.D

Acq: 16 Apr 2019 12:48

Instrument :

MSVOA_L

ClientSampleId :

VL0416ABSD01

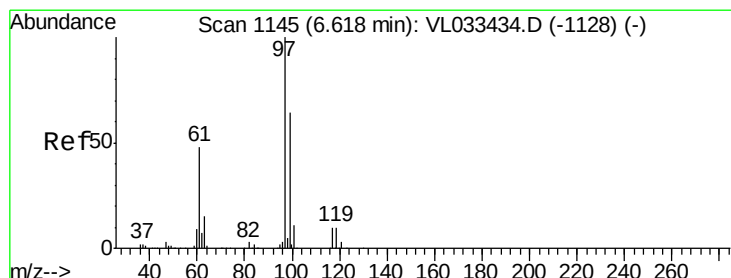
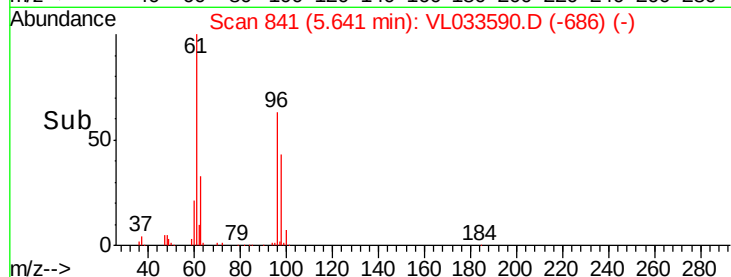
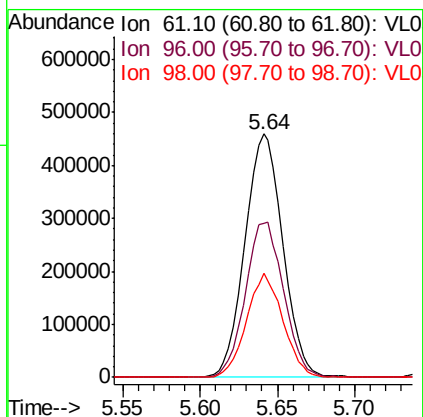
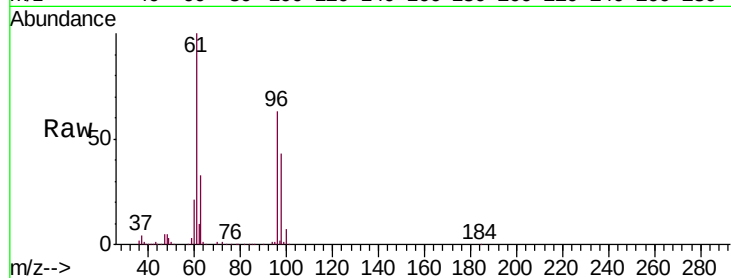
Tgt Ion: 61 Resp: 785240

Ion Ratio Lower Upper

61 100

96 63.4 50.6 76.0

98 42.5 32.2 48.2



#32

1,1,1-Trichloroethane

Concen: 8.913 ppbv

RT: 6.62 min Scan# 1145

Delta R.T. -0.00 min

Lab File: VL033590.D

Acq: 16 Apr 2019 12:48

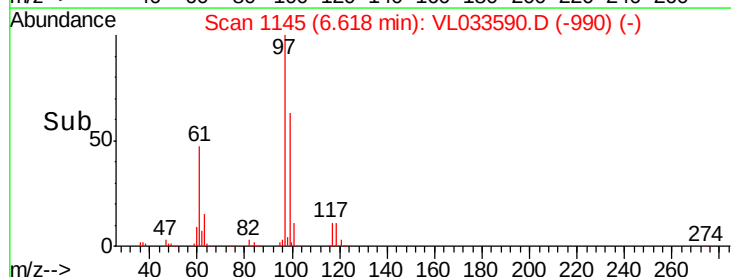
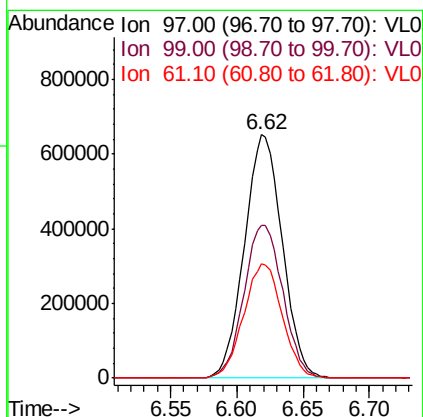
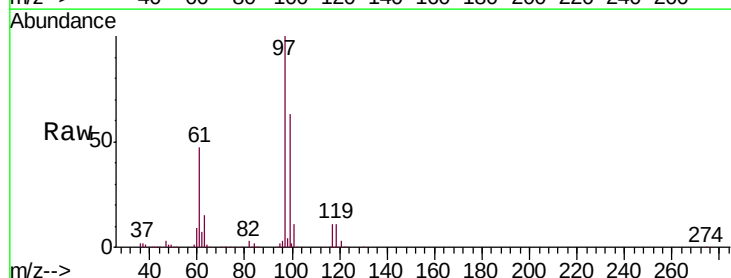
Tgt Ion: 97 Resp: 1295232

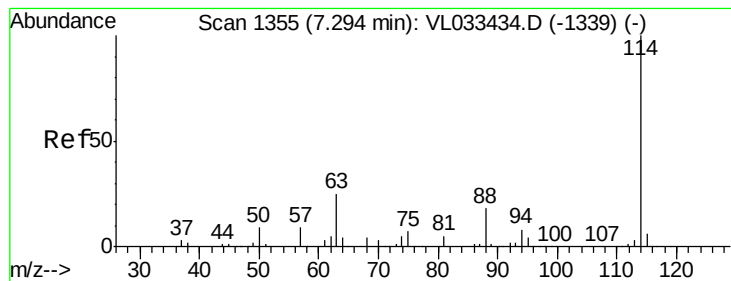
Ion Ratio Lower Upper

97 100

99 64.4 51.5 77.3

61 47.9 38.8 58.2





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.29 min Scan# 1355

Delta R.T. -0.00 min

Lab File: VL033590.D

Acq: 16 Apr 2019 12:48

Instrument :

MSVOA_L

ClientSampleId :

VL0416ABSD01

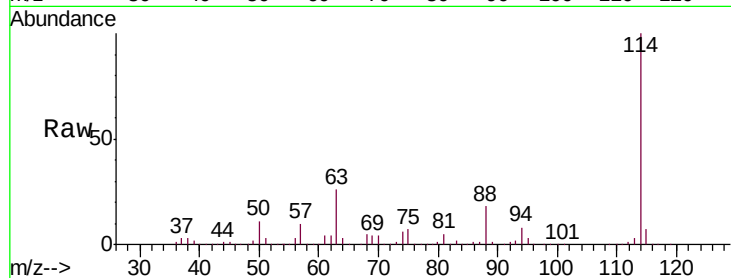
Tgt Ion:114 Resp: 2247188

Ion Ratio Lower Upper

114 100

63 26.3 21.5 32.3

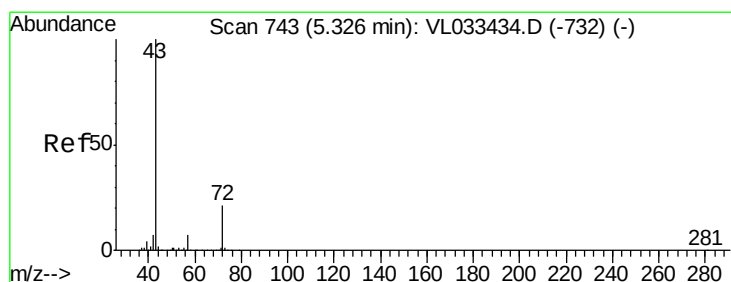
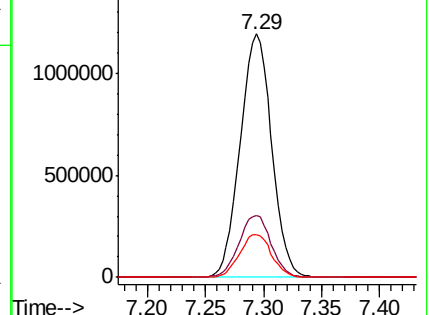
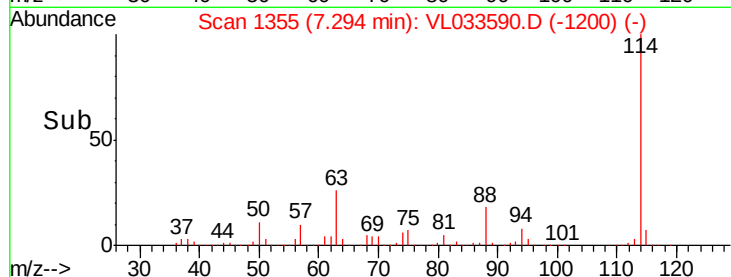
88 17.9 14.5 21.7



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: 8.143 ppbv

RT: 5.33 min Scan# 743

Delta R.T. -0.00 min

Lab File: VL033590.D

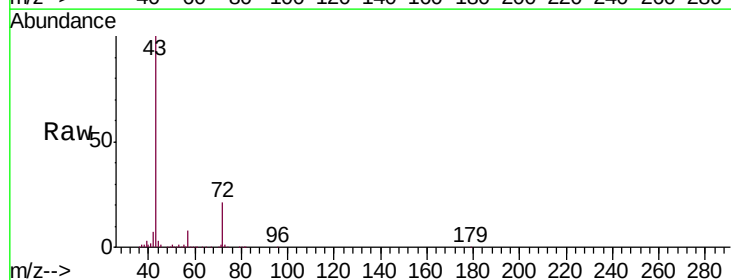
Acq: 16 Apr 2019 12:48

Tgt Ion: 43 Resp: 1099437

Ion Ratio Lower Upper

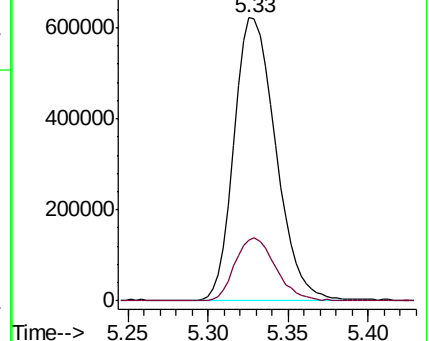
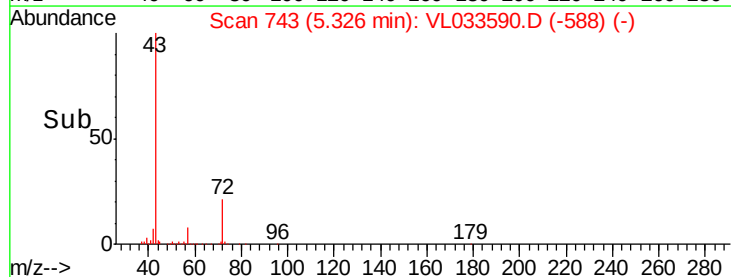
43 100

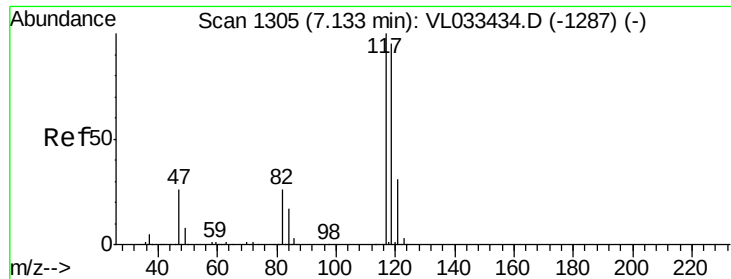
72 21.9 17.4 26.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 8.905 ppbv

RT: 7.13 min Scan# 1305

Delta R.T. -0.00 min

Lab File: VL033590.D

Acq: 16 Apr 2019 12:48

Instrument :

MSVOA_L

ClientSampleId :

VL0416ABSD01

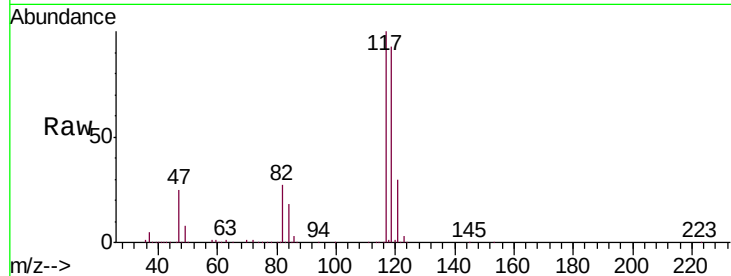
Tgt Ion:117 Resp: 1417344

Ion Ratio Lower Upper

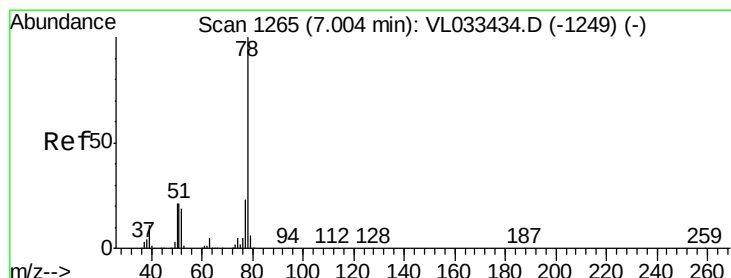
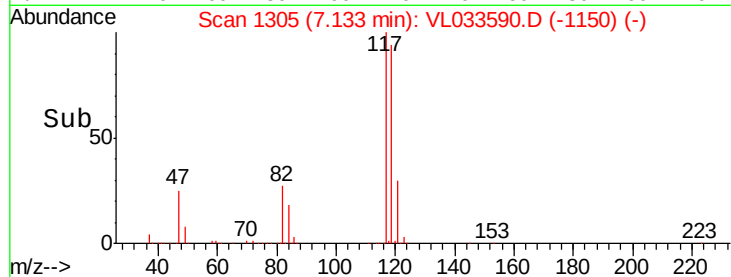
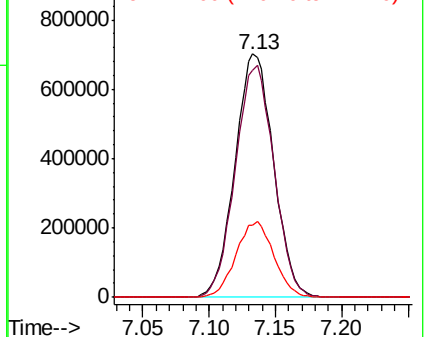
117 100

119 93.4 75.8 113.8

121 29.8 24.7 37.1



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: 8.640 ppbv

RT: 7.01 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VL033590.D

Acq: 16 Apr 2019 12:48

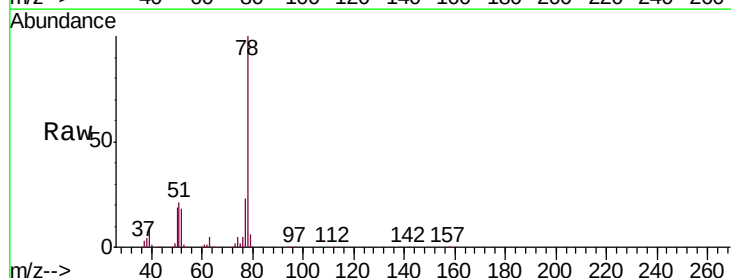
Tgt Ion: 78 Resp: 1629086

Ion Ratio Lower Upper

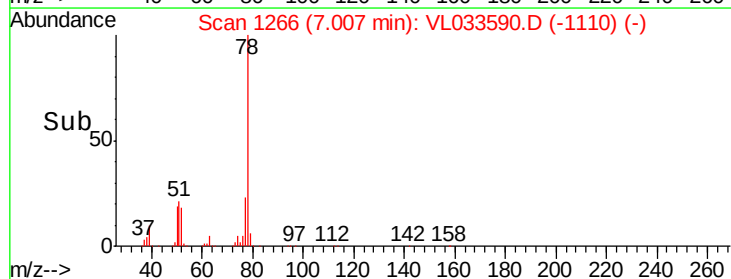
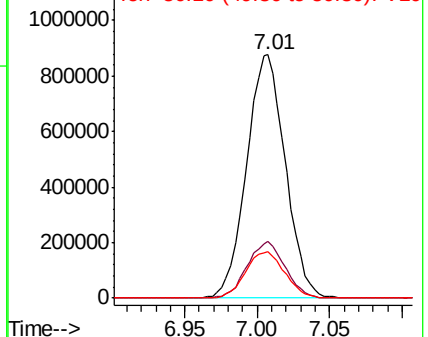
78 100

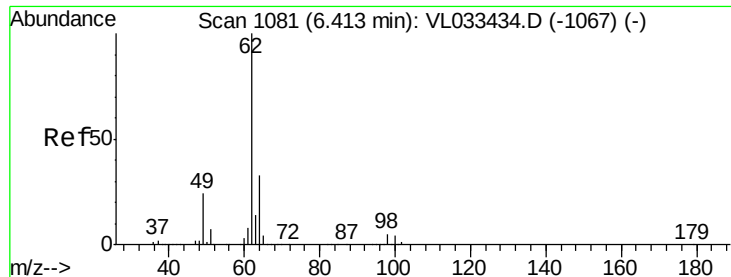
77 23.1 18.1 27.1

50 19.1 16.7 25.1



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

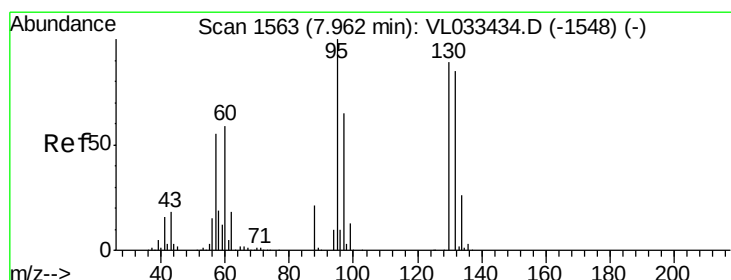
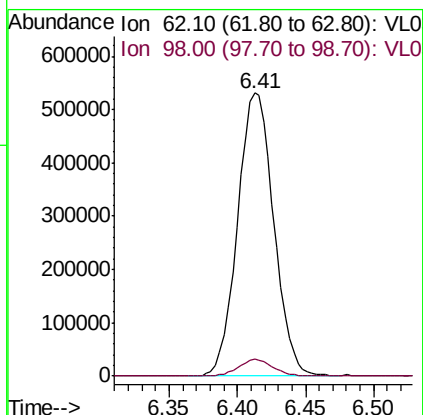
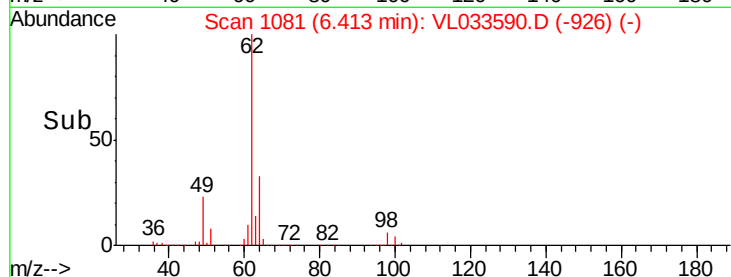
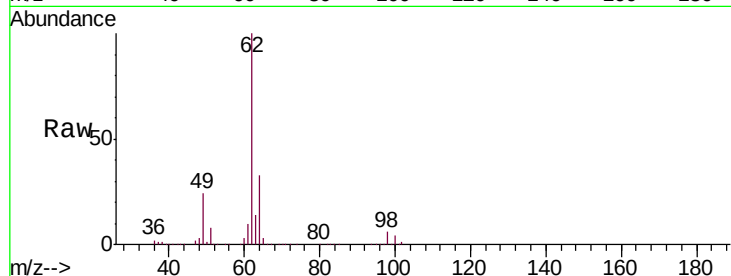




#37
 1,2-Dichloroethane
 Concen: 7.746 ppbv
 RT: 6.41 min Scan# 1081
 Delta R.T. -0.00 min
 Lab File: VL033590.D
 Acq: 16 Apr 2019 12:48

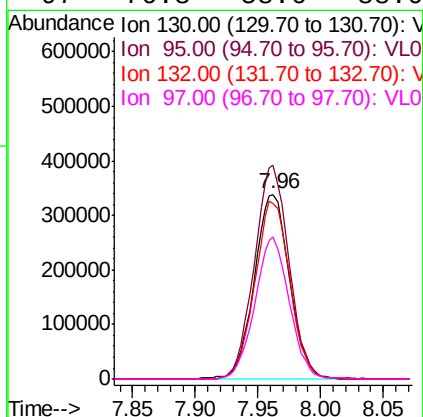
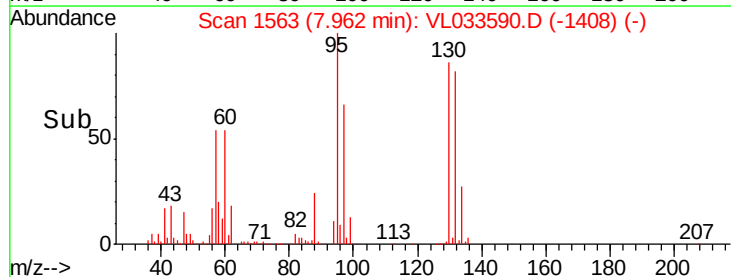
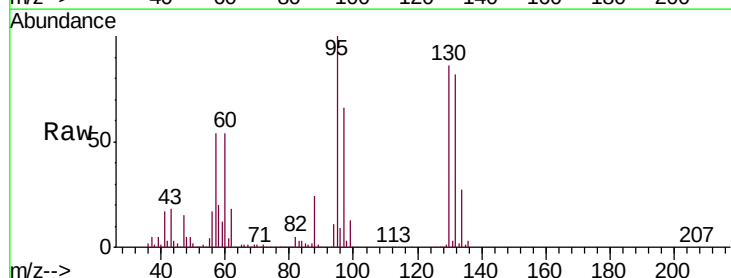
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0416ABSD01

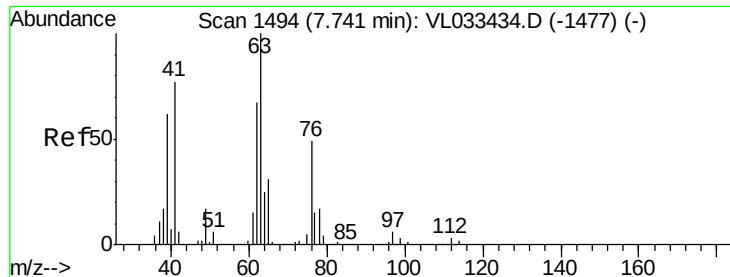
Tgt Ion: 62 Resp: 978929
 Ion Ratio Lower Upper
 62 100
 98 5.7 4.4 6.6



#38
 Trichloroethene
 Concen: 9.326 ppbv
 RT: 7.96 min Scan# 1563
 Delta R.T. -0.00 min
 Lab File: VL033590.D
 Acq: 16 Apr 2019 12:48

Tgt Ion: 130 Resp: 661758
 Ion Ratio Lower Upper
 130 100
 95 115.8 89.8 134.8
 132 94.7 76.6 115.0
 97 76.8 58.6 88.0





#39

1,2-Dichloropropane

Concen: 8.249 ppbv

RT: 7.74 min Scan# 1493

Delta R.T. -0.00 min

Lab File: VL033590.D

Acq: 16 Apr 2019 12:48

Instrument :

MSVOA_L

ClientSampleId :

VL0416ABSD01

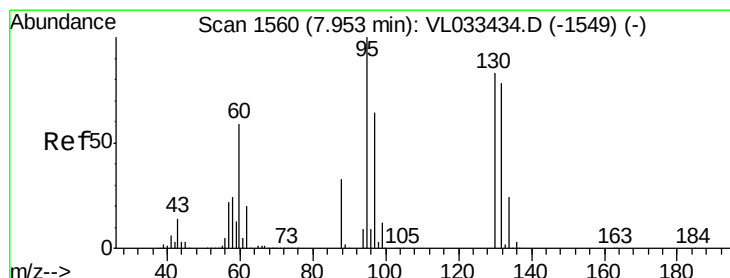
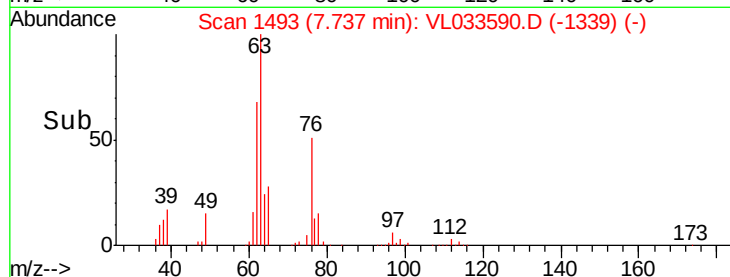
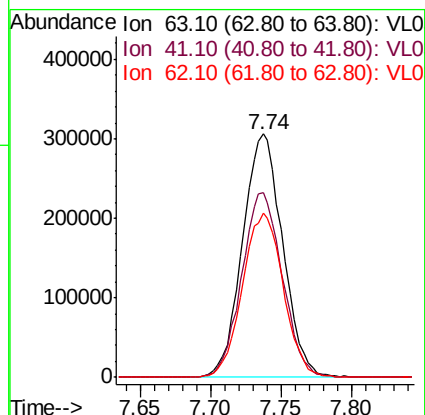
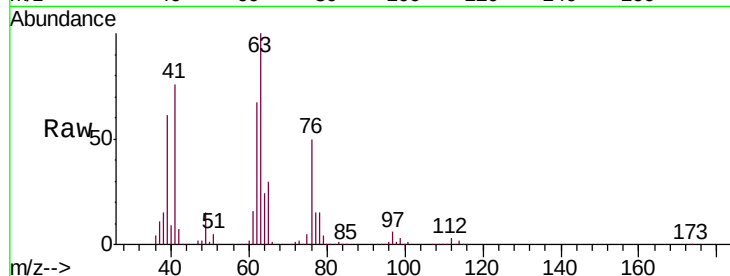
Tgt Ion: 63 Resp: 609312

Ion Ratio Lower Upper

63 100

41 75.9 61.2 91.8

62 67.4 54.0 81.0



#40

1,4-Dioxane

Concen: 9.662 ppbv

RT: 7.96 min Scan# 1561

Delta R.T. 0.00 min

Lab File: VL033590.D

Acq: 16 Apr 2019 12:48

Tgt Ion: 88 Resp: 254543

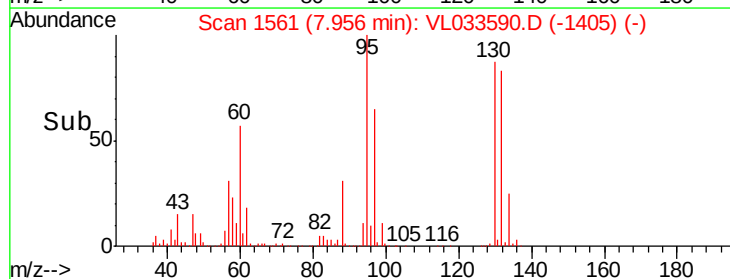
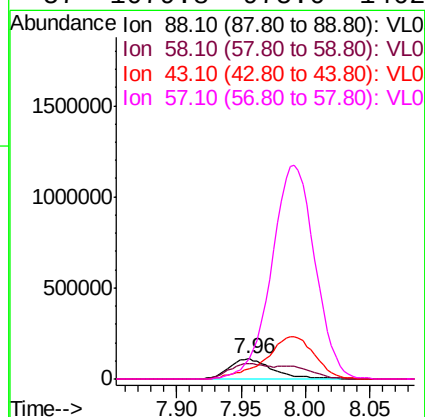
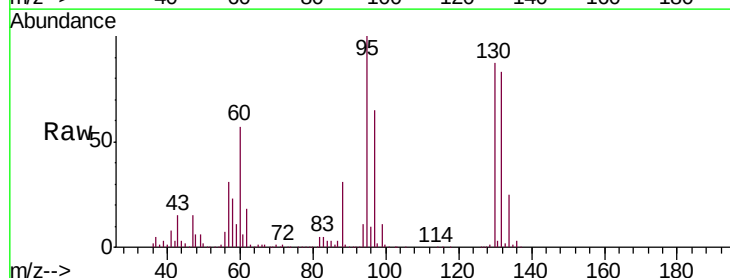
Ion Ratio Lower Upper

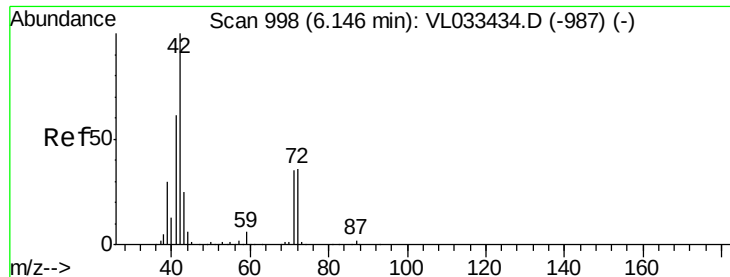
88 100

58 125.7 105.6 158.4

43 245.3 216.7 325.1

57 1079.8 975.0 1462.4





#41

Tetrahydrofuran

Concen: 8.468 ppbv

RT: 6.15 min Scan# 998

Delta R.T. -0.00 min

Lab File: VL033590.D

Acq: 16 Apr 2019 12:48

Instrument :

MSVOA_L

ClientSampleId :

VL0416ABSD01

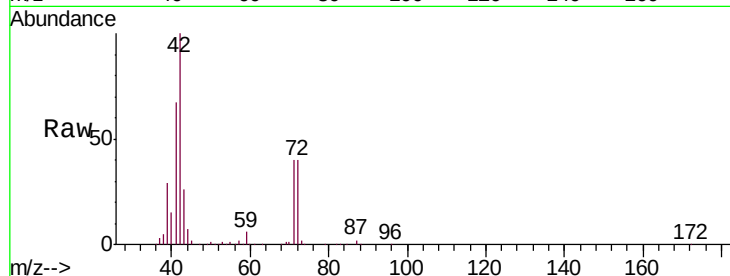
Tgt Ion: 42 Resp: 628804

Ion Ratio Lower Upper

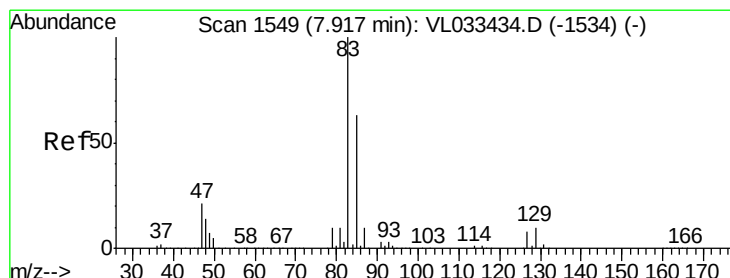
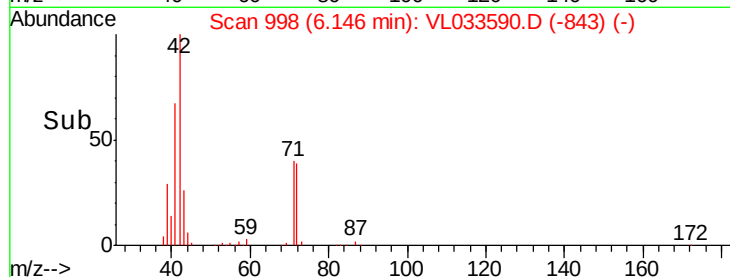
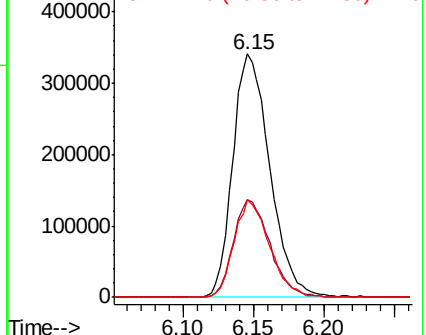
42 100

72 39.5 30.2 45.2

71 38.4 29.4 44.2



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: 8.364 ppbv

RT: 7.92 min Scan# 1549

Delta R.T. -0.00 min

Lab File: VL033590.D

Acq: 16 Apr 2019 12:48

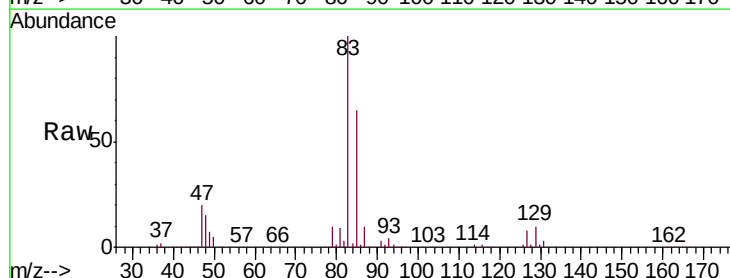
Tgt Ion: 83 Resp: 1439817

Ion Ratio Lower Upper

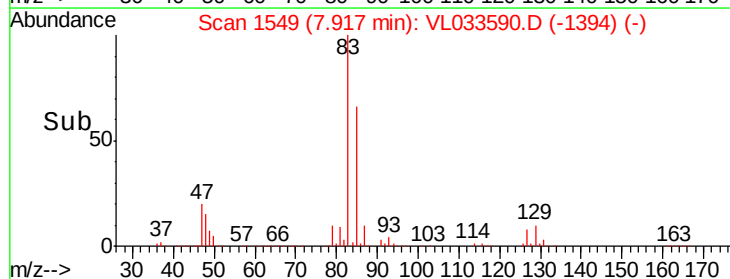
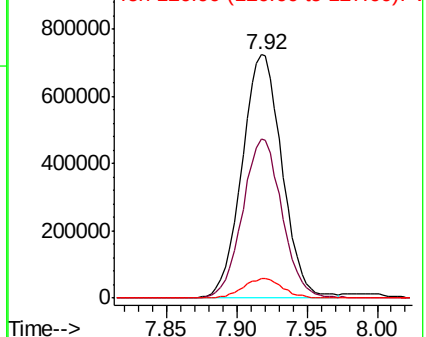
83 100

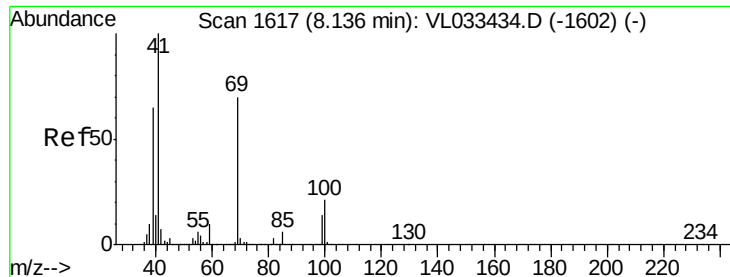
85 65.4 50.7 76.1

127 8.2 6.6 9.8



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

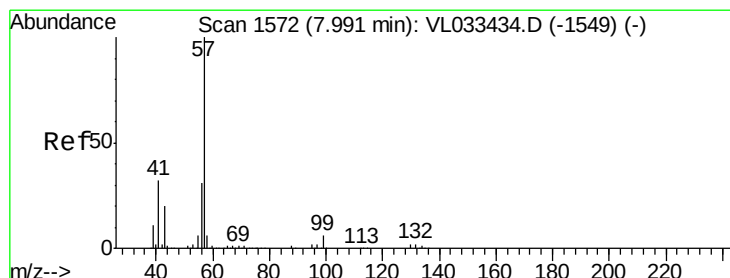
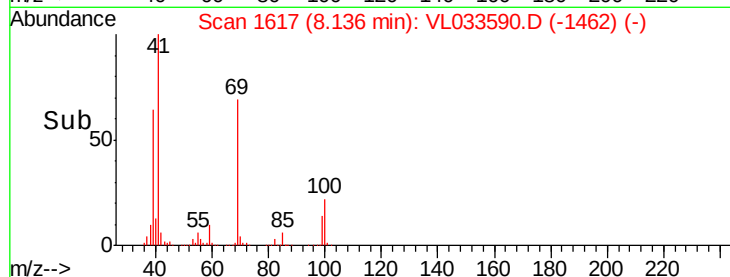
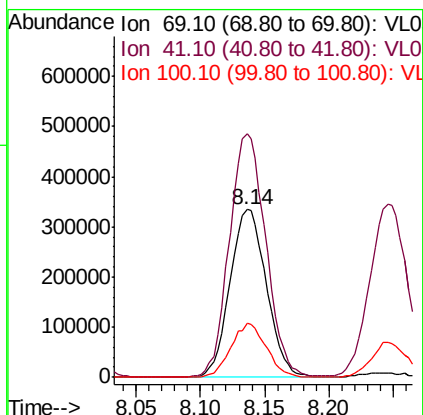
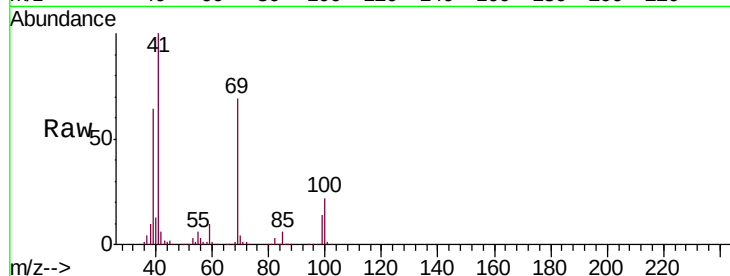




#43
Methyl Methacrylate
Concen: 8.618 ppbv
RT: 8.14 min Scan# 1617
Delta R.T. -0.00 min
Lab File: VL033590.D
Acq: 16 Apr 2019 12:48

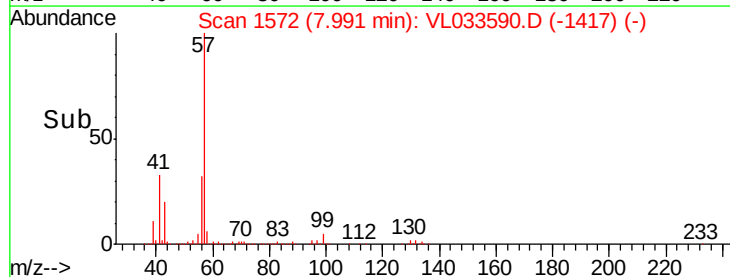
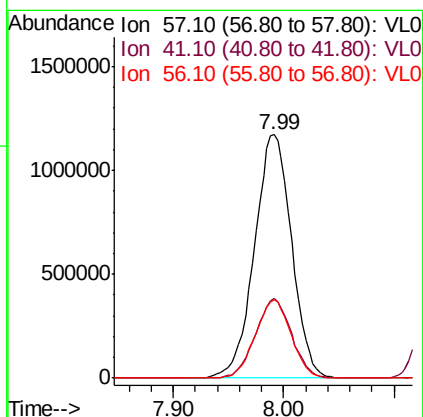
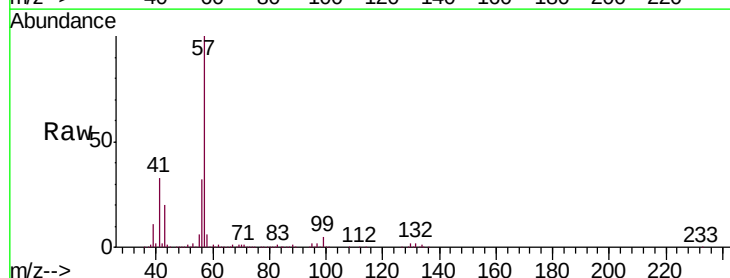
Instrument :
MSVOA_L
ClientSampleId :
VL0416ABSD01

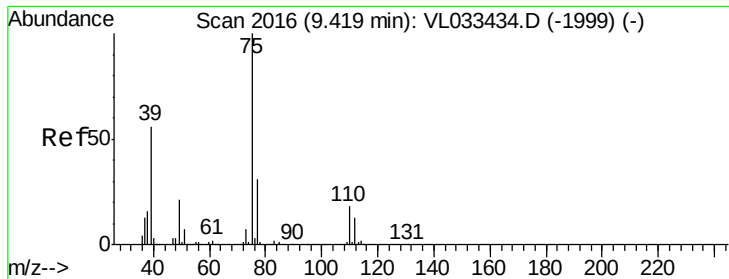
Tgt Ion: 69 Resp: 659799
Ion Ratio Lower Upper
69 100
41 144.5 116.6 174.8
100 31.2 24.4 36.6



#44
2,2,4-Trimethylpentane
Concen: 8.329 ppbv
RT: 7.99 min Scan# 1572
Delta R.T. -0.00 min
Lab File: VL033590.D
Acq: 16 Apr 2019 12:48

Tgt Ion: 57 Resp: 2744202
Ion Ratio Lower Upper
57 100
41 31.7 26.0 39.0
56 31.0 24.6 37.0





#45

t-1,3-Dichloropropene

Concen: 9.744 ppbv

RT: 9.42 min Scan# 2015

Delta R.T. -0.00 min

Lab File: VL033590.D

Acq: 16 Apr 2019 12:48

Instrument :

MSVOA_L

ClientSampleId :

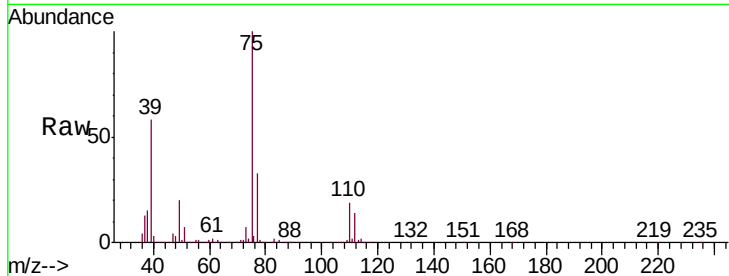
VL0416ABSD01

Tgt Ion: 75 Resp: 915969

Ion Ratio Lower Upper

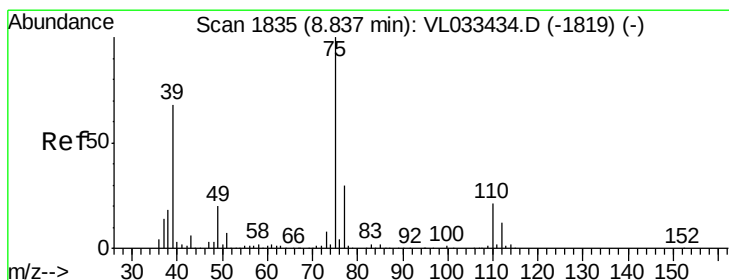
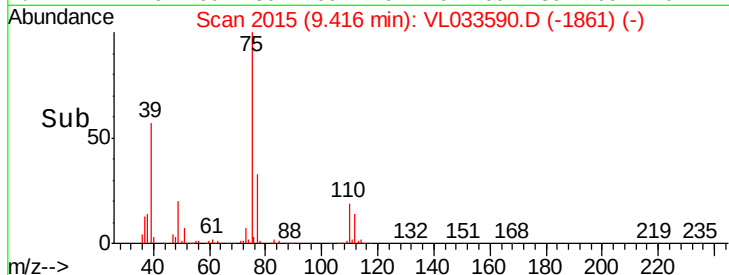
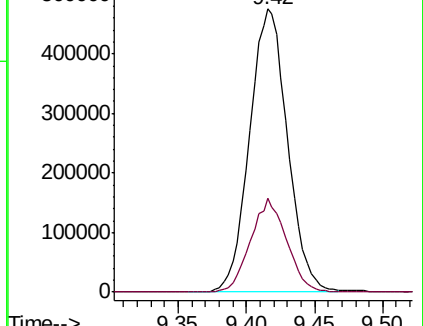
75 100

77 33.1 24.5 36.7



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: 9.386 ppbv

RT: 8.84 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VL033590.D

Acq: 16 Apr 2019 12:48

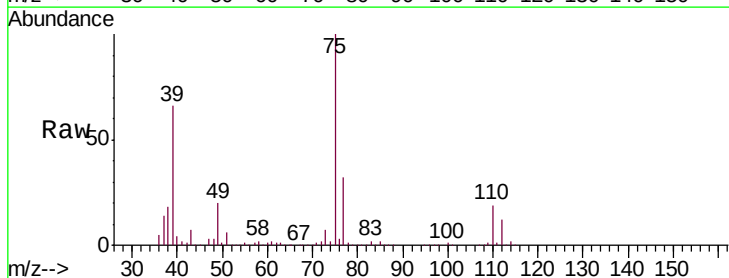
Tgt Ion: 75 Resp: 1030348

Ion Ratio Lower Upper

75 100

39 66.2 54.1 81.1

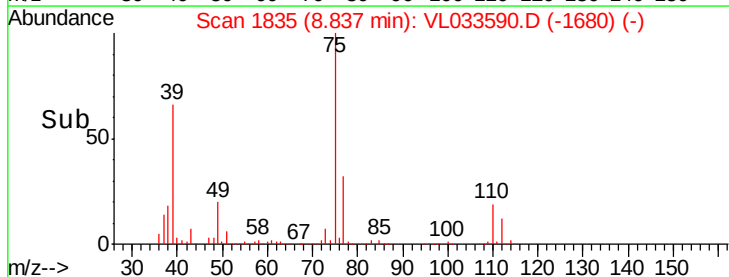
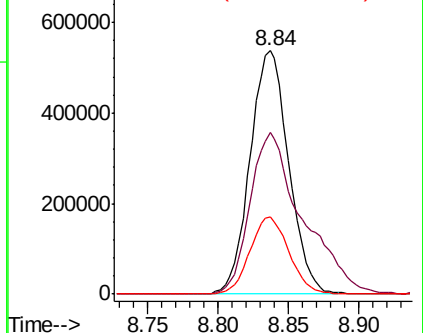
77 31.7 23.9 35.9

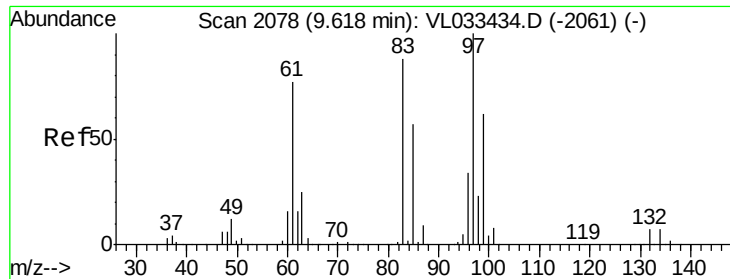


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

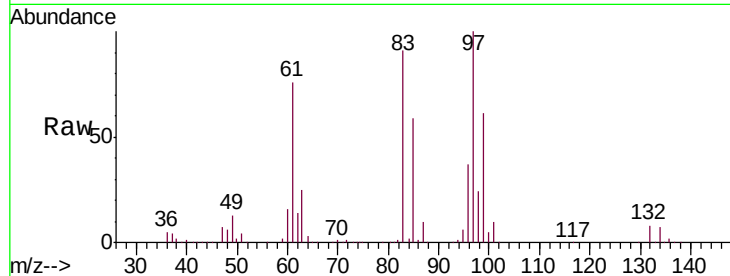




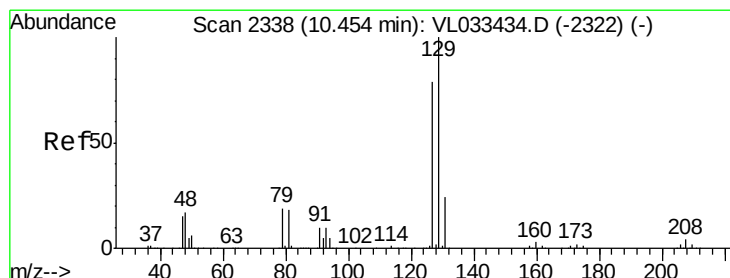
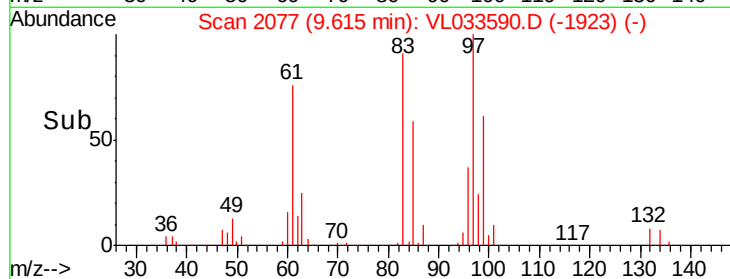
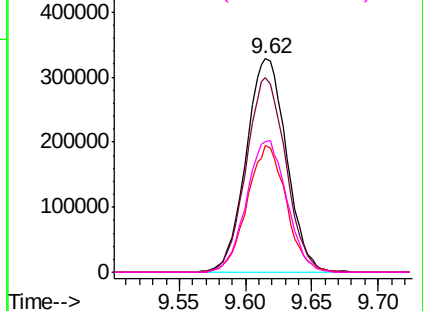
#47
 1,1,2-Trichloroethane
 Concen: 8.305 ppbv
 RT: 9.62 min Scan# 2077
 Delta R.T. -0.00 min
 Lab File: VL033590.D
 Acq: 16 Apr 2019 12:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0416ABSD01

Tgt Ion: 97 Resp: 696563
 Ion Ratio Lower Upper
 97 100
 83 90.8 70.5 105.7
 85 59.0 45.6 68.4
 99 60.9 49.4 74.0

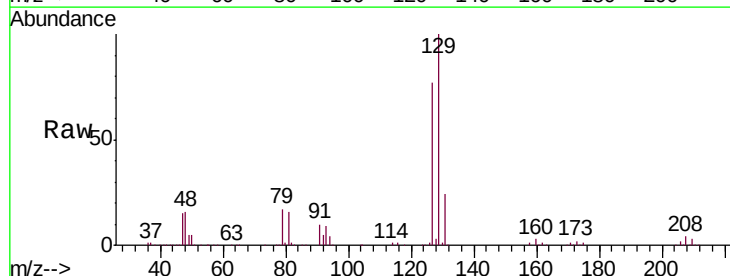


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

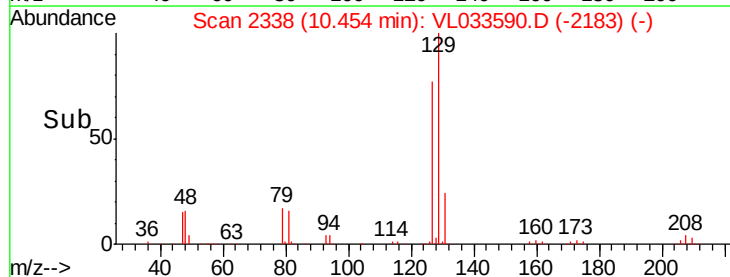
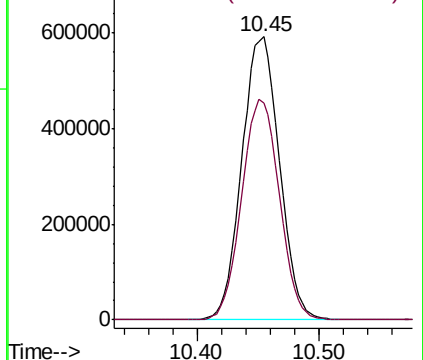


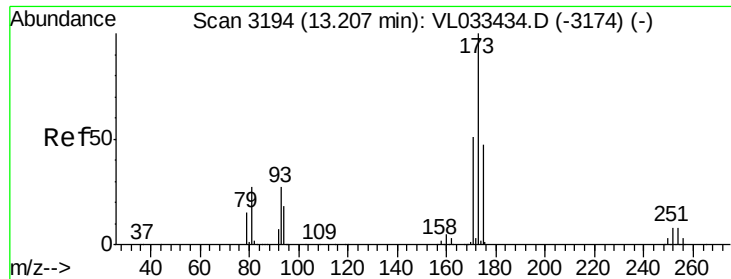
#48
 Dibromochloromethane
 Concen: 8.905 ppbv
 RT: 10.45 min Scan# 2338
 Delta R.T. -0.00 min
 Lab File: VL033590.D
 Acq: 16 Apr 2019 12:48

Tgt Ion: 129 Resp: 1259839
 Ion Ratio Lower Upper
 129 100
 127 78.3 39.1 117.2



Abundance Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 8.571 ppbv

RT: 13.20 min Scan# 3193

Delta R.T. -0.00 min

Lab File: VL033590.D

Acq: 16 Apr 2019 12:48

Instrument :

MSVOA_L

ClientSampleId :

VL0416ABSD01

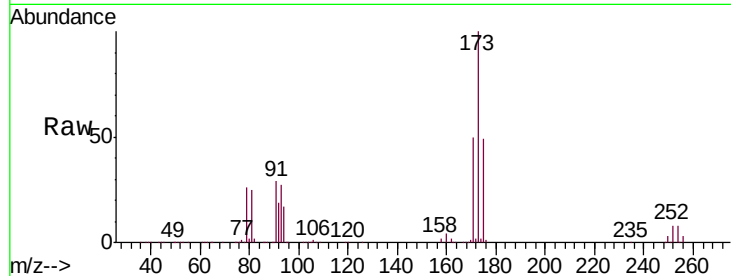
Tgt Ion:173 Resp: 1158337

Ion Ratio Lower Upper

173 100

175 49.2 39.3 58.9

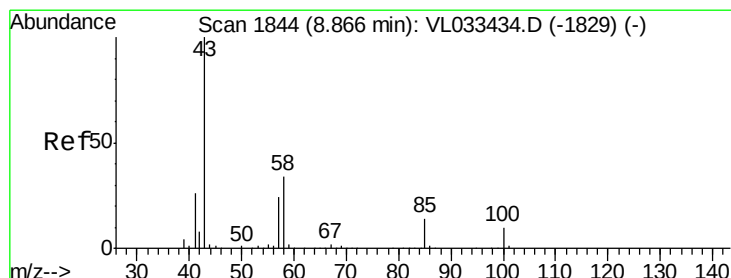
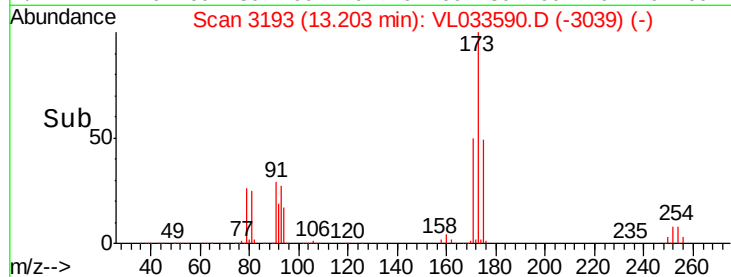
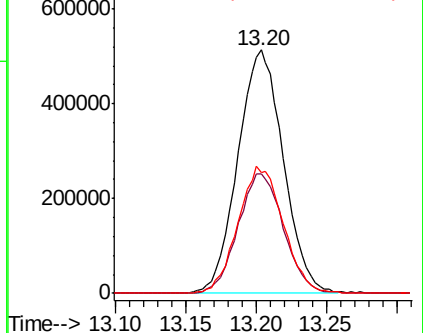
171 52.0 41.2 61.8



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: 8.462 ppbv

RT: 8.87 min Scan# 1845

Delta R.T. 0.00 min

Lab File: VL033590.D

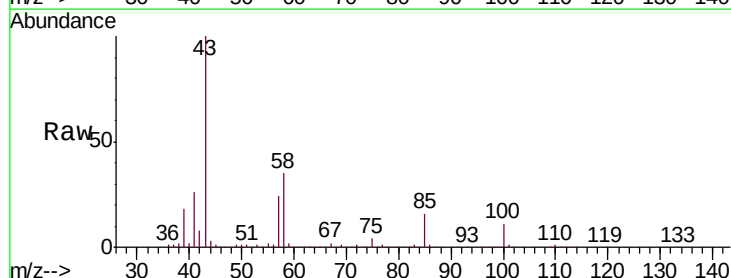
Acq: 16 Apr 2019 12:48

Tgt Ion: 43 Resp: 1672991

Ion Ratio Lower Upper

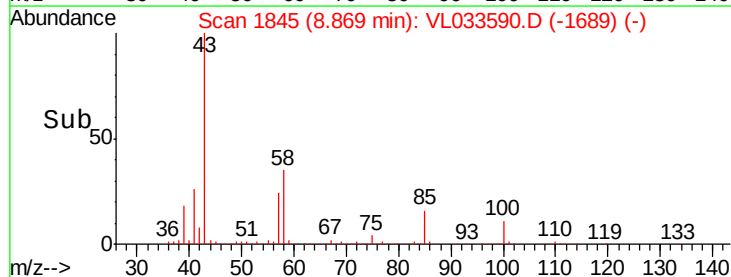
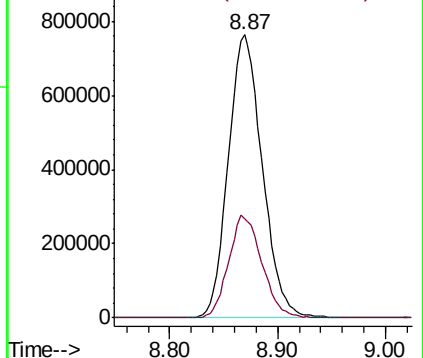
43 100

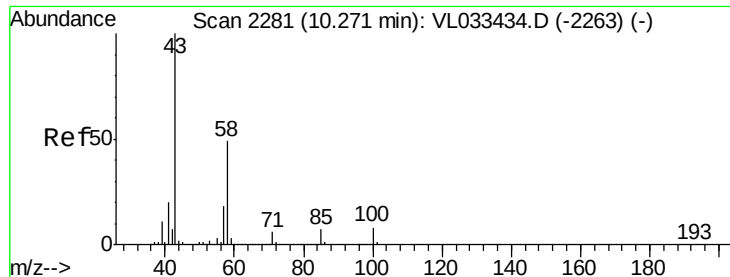
58 35.6 28.0 42.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

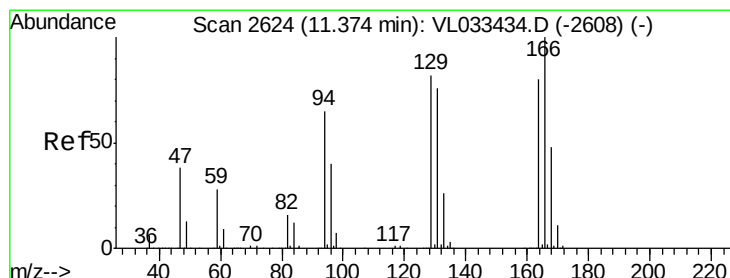
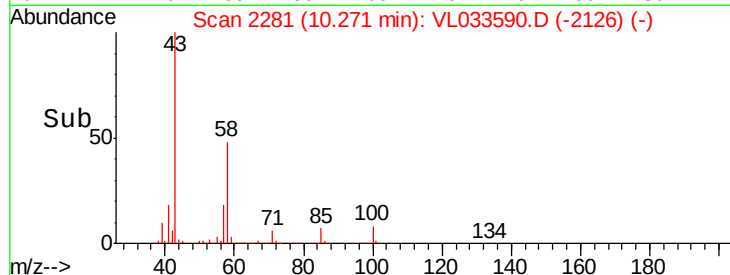
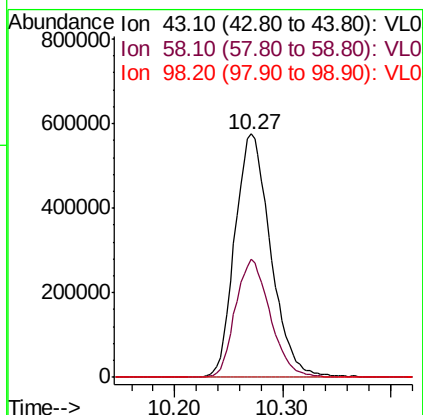
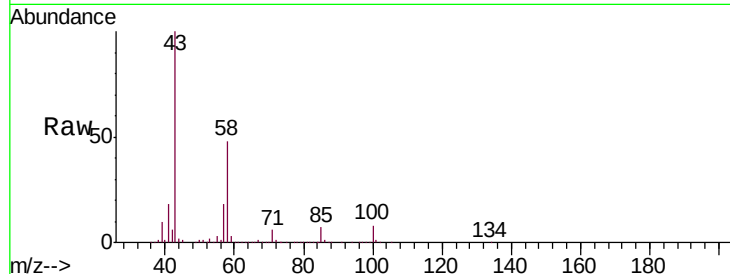




#51
2-Hexanone
Concen: 8.987 ppbv
RT: 10.27 min Scan# 2281
Delta R.T. -0.00 min
Lab File: VL033590.D
Acq: 16 Apr 2019 12:48

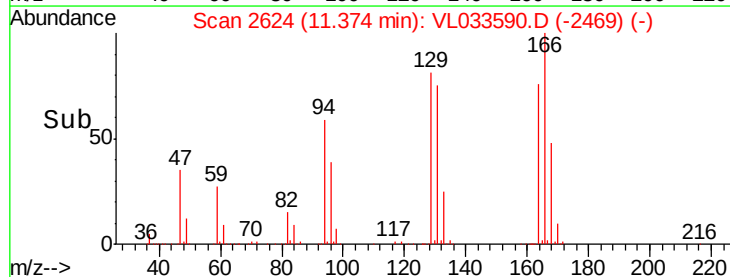
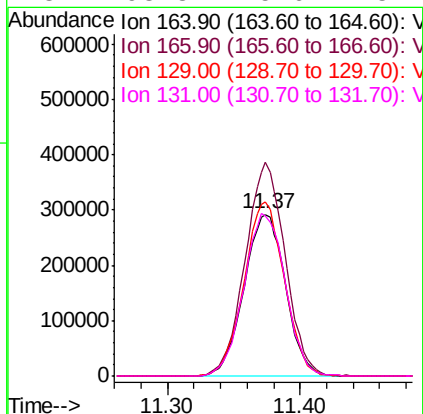
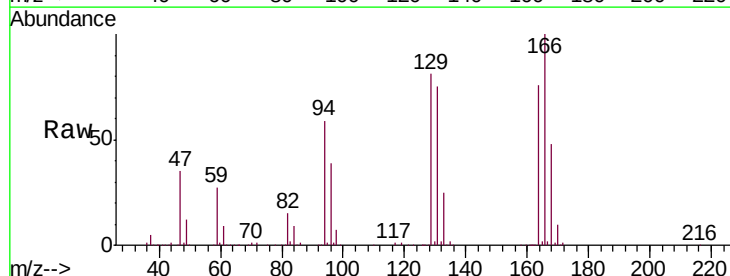
Instrument :
MSVOA_L
ClientSampleId :
VL0416ABSD01

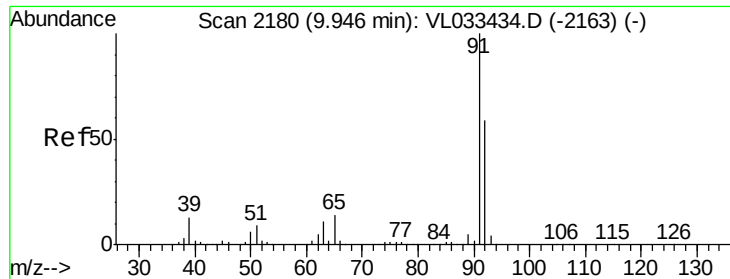
Tgt Ion: 43 Resp: 1325364
Ion Ratio Lower Upper
43 100
58 47.4 38.2 57.2
98 0.1 0.2 0.2#



#52
Tetrachloroethene
Concen: 8.900 ppbv
RT: 11.37 min Scan# 2624
Delta R.T. -0.00 min
Lab File: VL033590.D
Acq: 16 Apr 2019 12:48

Tgt Ion: 164 Resp: 633170
Ion Ratio Lower Upper
164 100
166 132.1 99.5 149.3
129 107.6 81.4 122.2
131 98.8 75.6 113.4





#53

Toluene

Concen: 8.950 ppbv

RT: 9.95 min Scan# 2180

Delta R.T. -0.00 min

Lab File: VL033590.D

Acq: 16 Apr 2019 12:48

Instrument :

MSVOA_L

ClientSampleId :

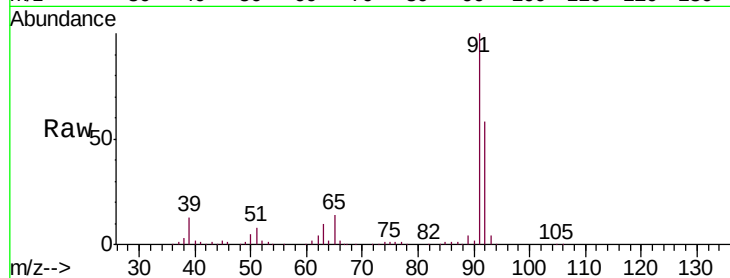
VL0416ABSD01

Tgt Ion: 91 Resp: 1961107

Ion Ratio Lower Upper

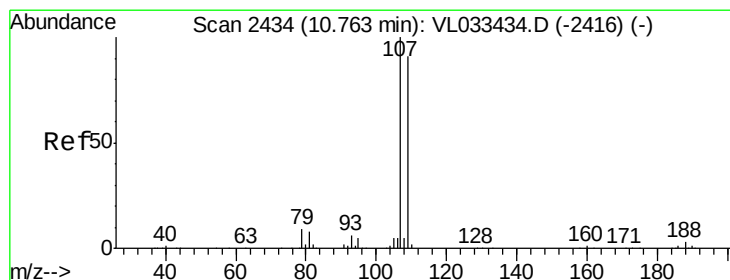
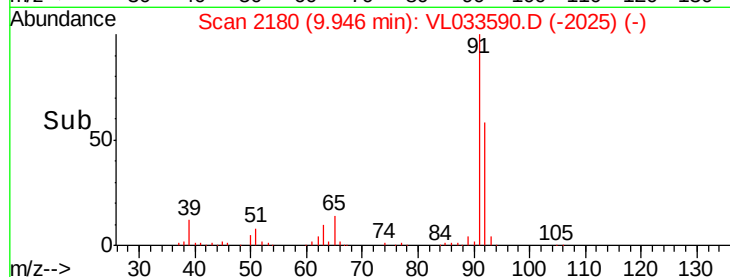
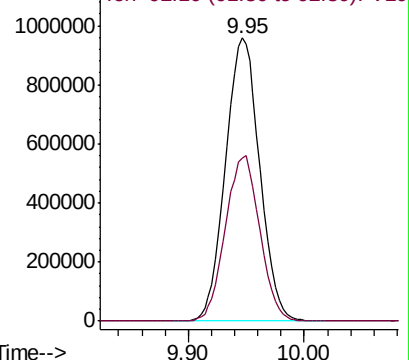
91 100

92 59.0 47.4 71.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 8.484 ppbv

RT: 10.76 min Scan# 2433

Delta R.T. -0.00 min

Lab File: VL033590.D

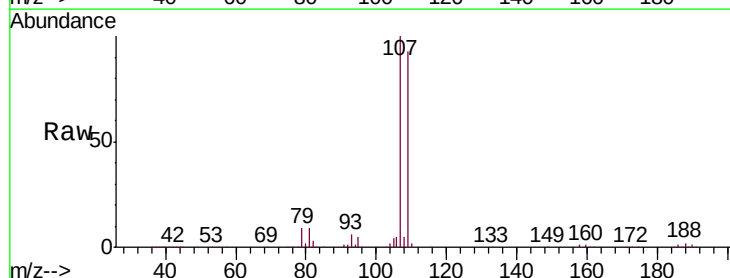
Acq: 16 Apr 2019 12:48

Tgt Ion: 107 Resp: 1112981

Ion Ratio Lower Upper

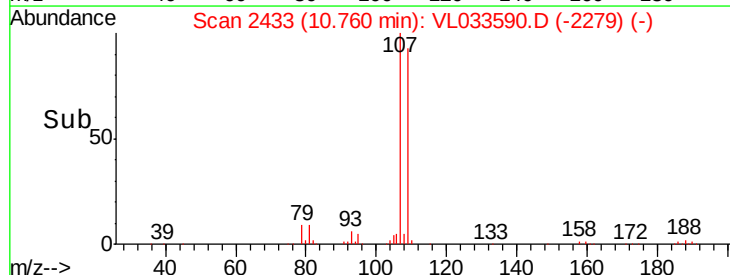
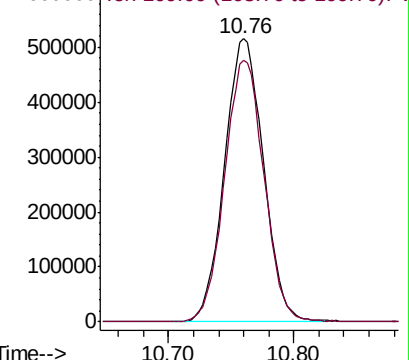
107 100

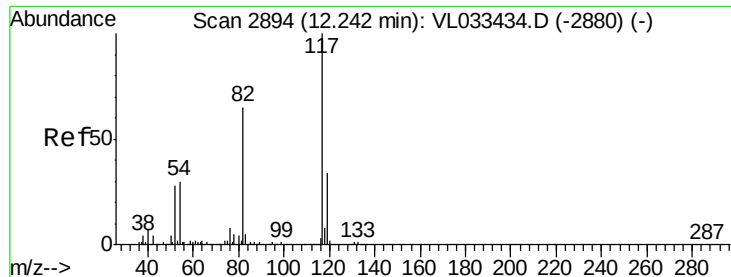
109 92.6 72.7 109.1



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

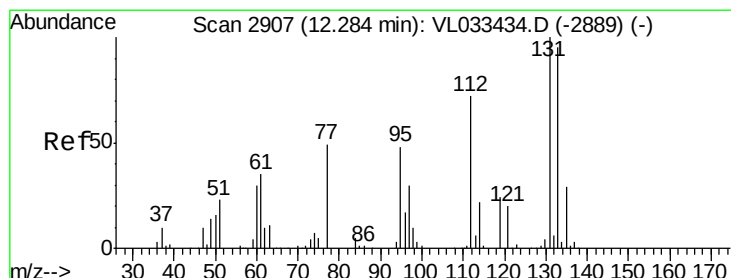
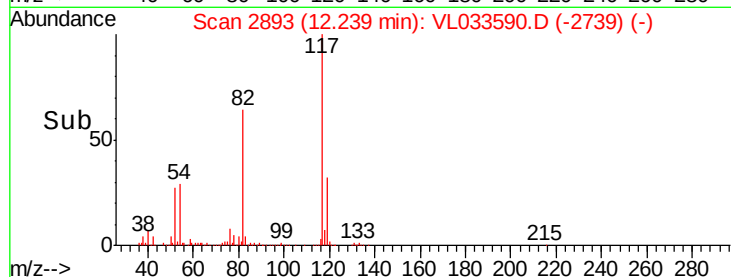
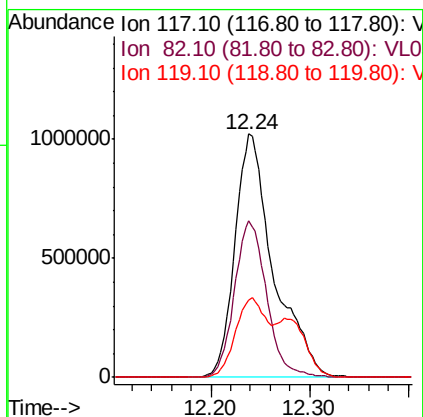
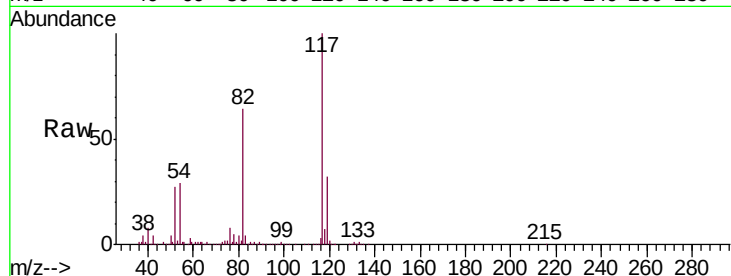




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2893
Delta R.T. -0.00 min
Lab File: VL033590.D
Acq: 16 Apr 2019 12:48

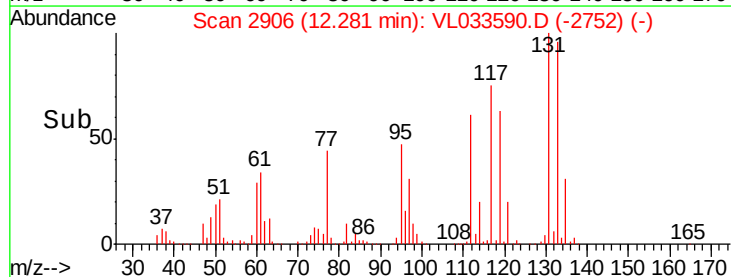
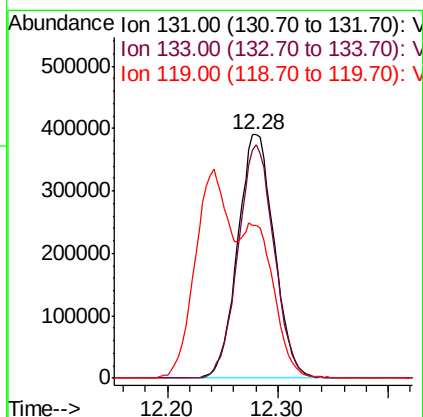
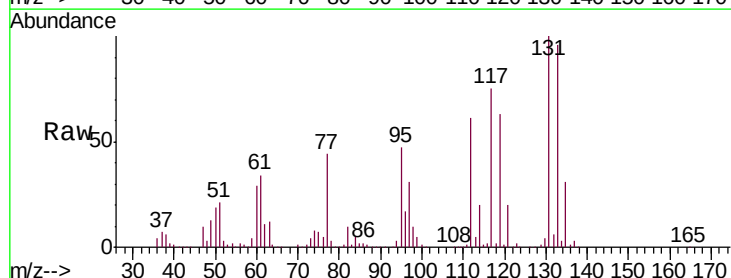
Instrument :
MSVOA_L
ClientSampleId :
VL0416ABSD01

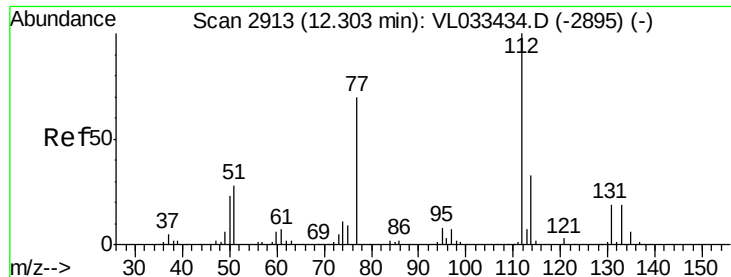
Tgt Ion:117 Resp: 2777954
Ion Ratio Lower Upper
117 100
82 53.7 51.5 77.3
119 45.4 25.5 38.3#



#56
1,1,1,2-Tetrachloroethane
Concen: 7.007 ppbv
RT: 12.28 min Scan# 2906
Delta R.T. -0.00 min
Lab File: VL033590.D
Acq: 16 Apr 2019 12:48

Tgt Ion:131 Resp: 892066
Ion Ratio Lower Upper
131 100
133 94.9 76.2 114.4
119 141.6 45.0 67.6#

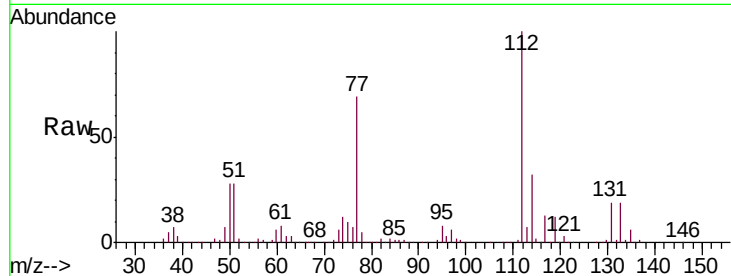




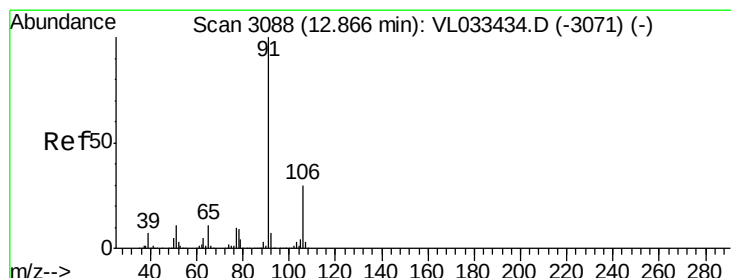
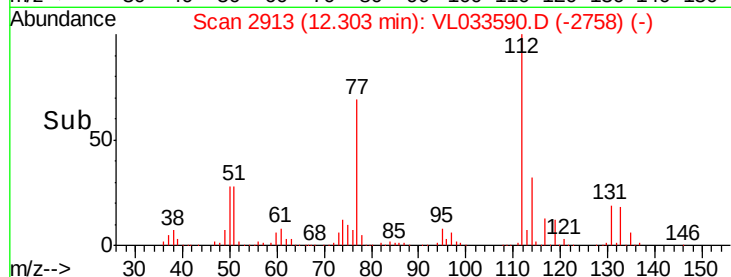
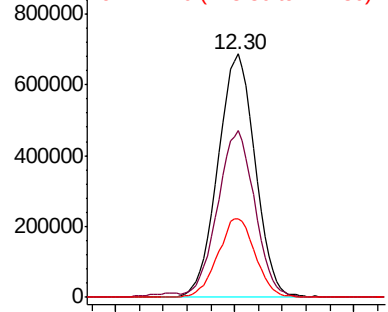
#57
Chlorobenzene
Concen: 6.905 ppbv
RT: 12.30 min Scan# 2913
Delta R.T. -0.00 min
Lab File: VL033590.D
Acq: 16 Apr 2019 12:48

Instrument :
MSVOA_L
ClientSampleId :
VL0416ABSD01

Tgt Ion: 112 Resp: 1489518
Ion Ratio Lower Upper
112 100
77 68.4 57.3 85.9
114 32.0 29.8 36.4

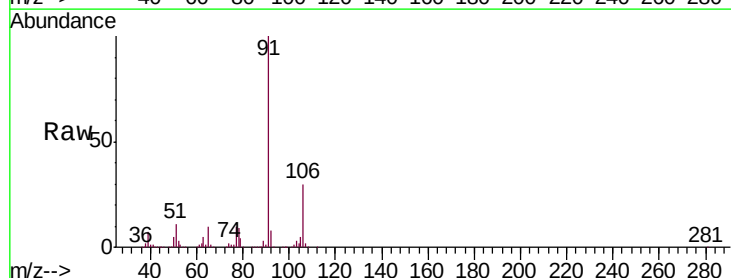


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

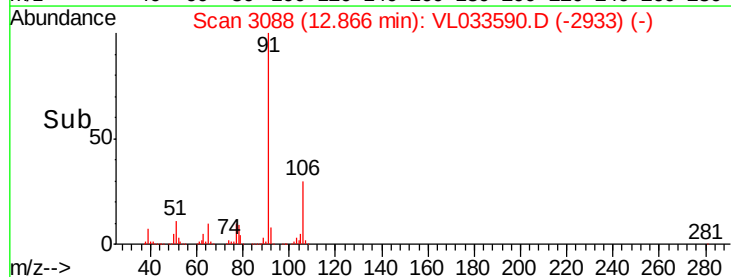
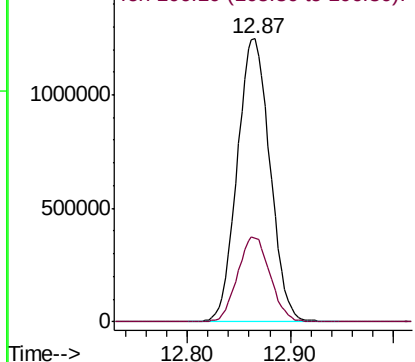


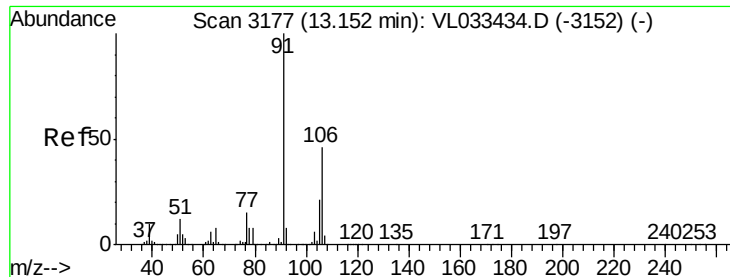
#58
Ethyl Benzene
Concen: 7.436 ppbv
RT: 12.87 min Scan# 3088
Delta R.T. -0.00 min
Lab File: VL033590.D
Acq: 16 Apr 2019 12:48

Tgt Ion: 91 Resp: 2758410
Ion Ratio Lower Upper
91 100
106 29.5 23.8 35.6



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 7.150 ppbv

RT: 13.15 min Scan# 3175

Delta R.T. -0.01 min

Lab File: VL033590.D

Acq: 16 Apr 2019 12:48

Instrument :

MSVOA_L

ClientSampleId :

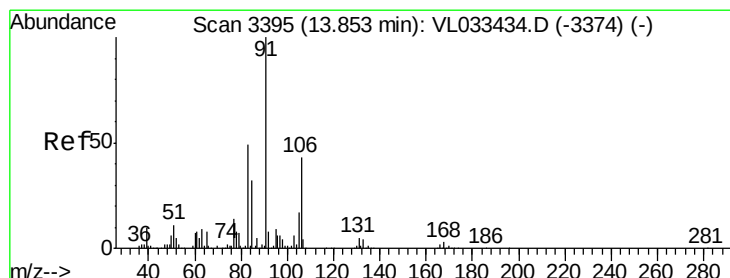
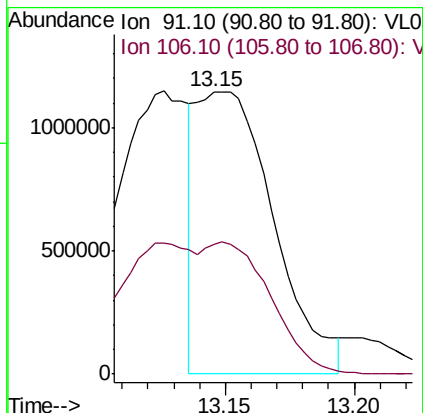
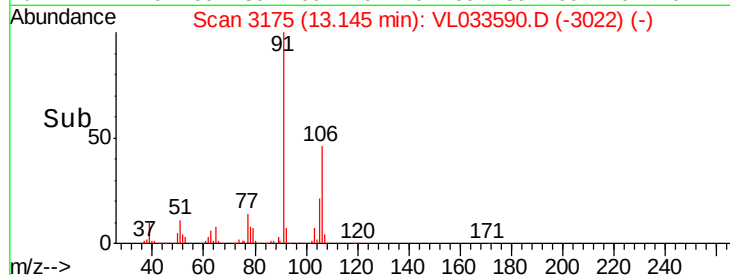
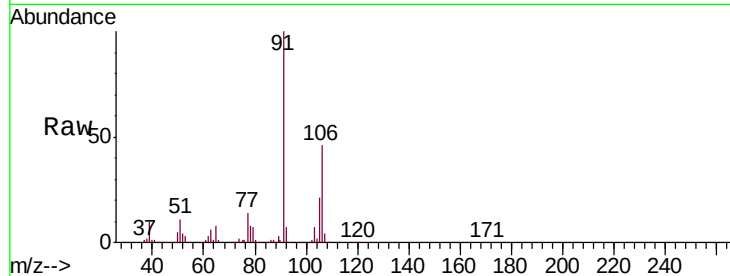
VL0416ABSD01

Tgt Ion: 91 Resp: 2369252

Ion Ratio Lower Upper

91 100

106 88.8 0.0 0.0#



#60

o-Xylene

Concen: 7.174 ppbv

RT: 13.85 min Scan# 3394

Delta R.T. -0.00 min

Lab File: VL033590.D

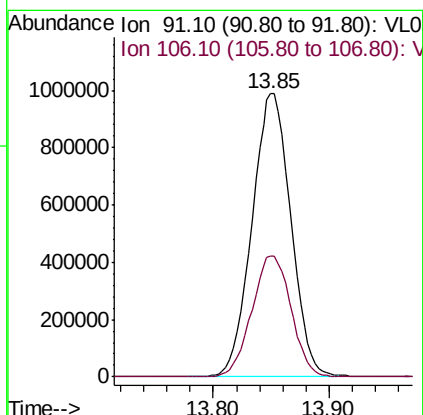
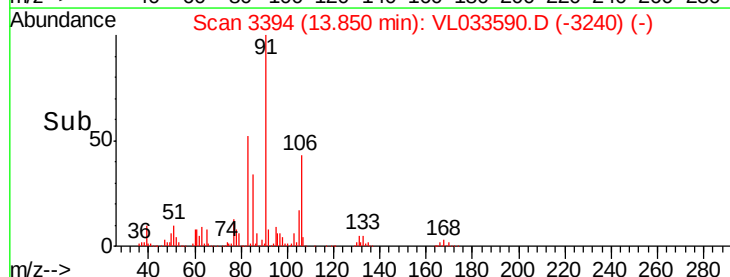
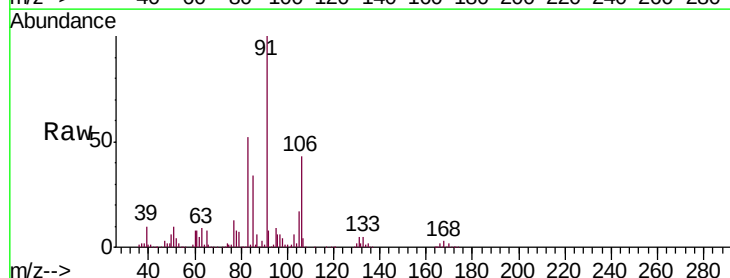
Acq: 16 Apr 2019 12:48

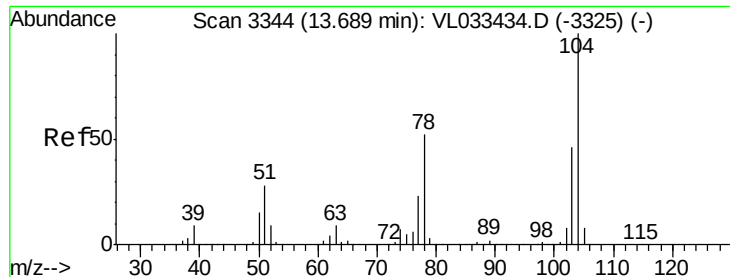
Tgt Ion: 91 Resp: 2298664

Ion Ratio Lower Upper

91 100

106 43.5 21.4 64.3

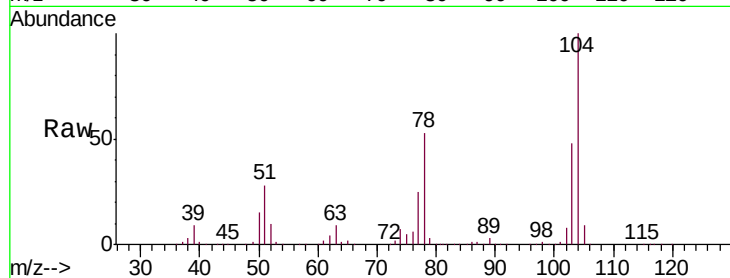




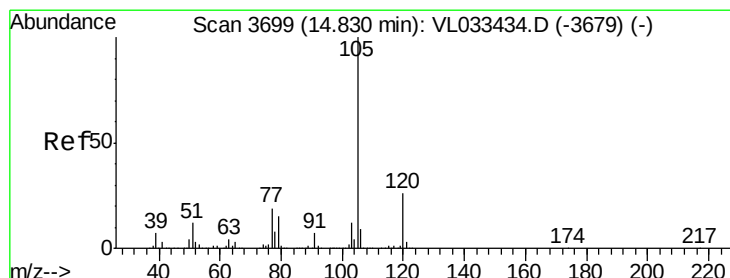
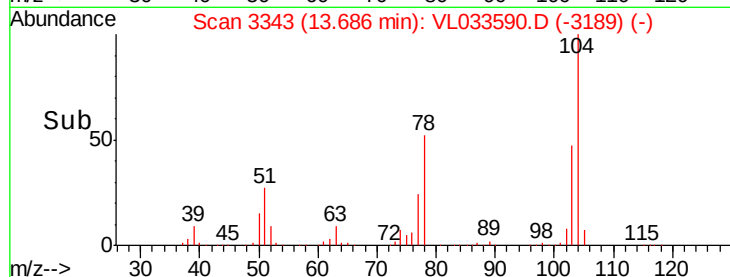
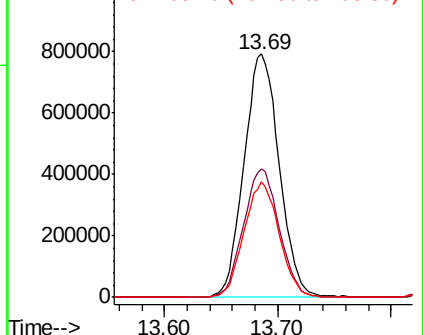
#61
Styrene
Concen: 7.808 ppbv
RT: 13.69 min Scan# 3343
Delta R.T. -0.00 min
Lab File: VL033590.D
Acq: 16 Apr 2019 12:48

Instrument :
MSVOA_L
ClientSampleId :
VL0416ABSD01

Tgt Ion:104 Resp: 1716982
Ion Ratio Lower Upper
104 100
78 53.7 43.2 64.8
103 47.5 37.8 56.8

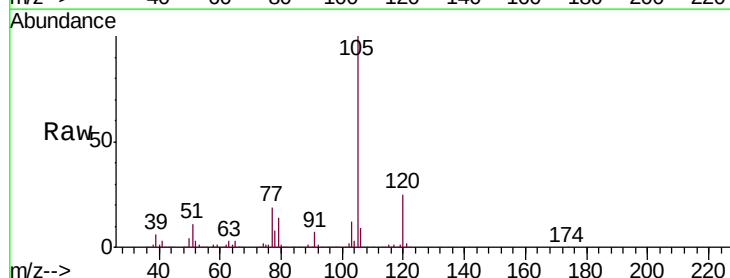


Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VL0
Ion 103.10 (102.80 to 103.80): V

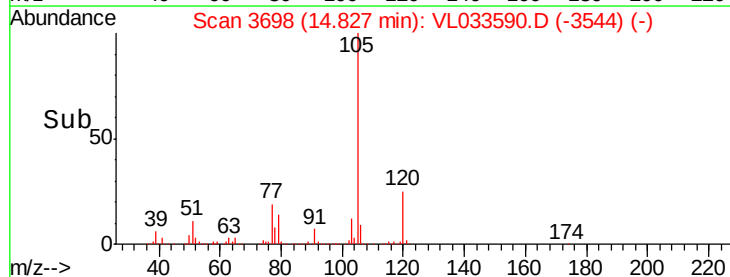
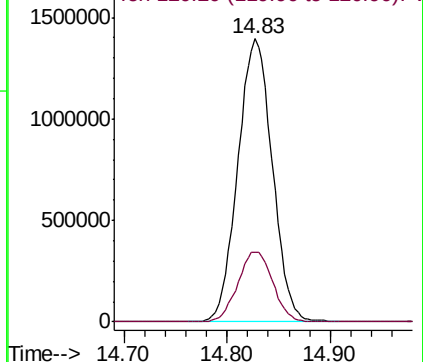


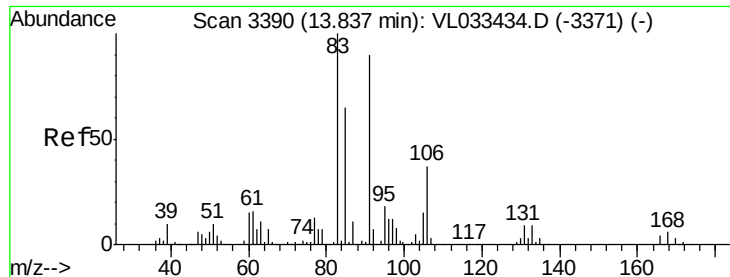
#62
Isopropylbenzene
Concen: 7.143 ppbv
RT: 14.83 min Scan# 3698
Delta R.T. -0.00 min
Lab File: VL033590.D
Acq: 16 Apr 2019 12:48

Tgt Ion:105 Resp: 3241060
Ion Ratio Lower Upper
105 100
120 25.2 20.2 30.2



Abundance Ion 105.10 (104.80 to 105.80): V
Ion 120.20 (119.90 to 120.90): V

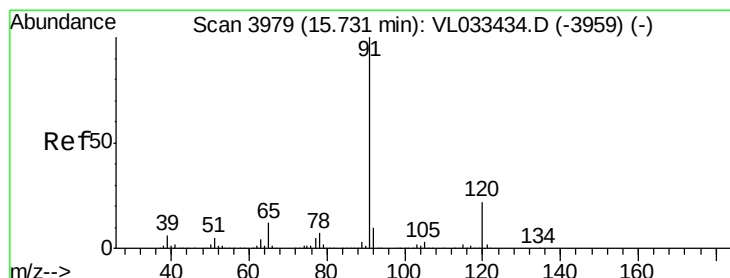
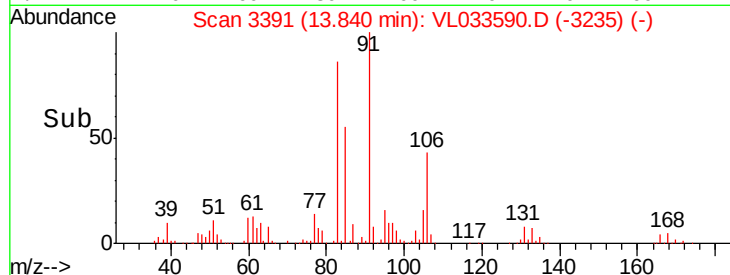
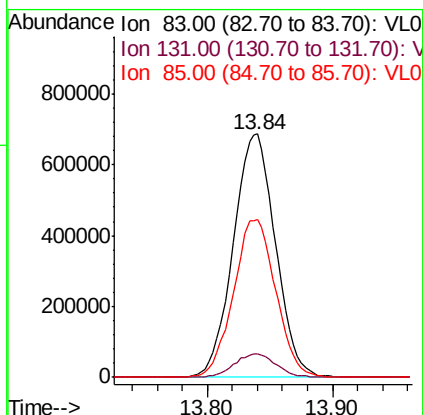
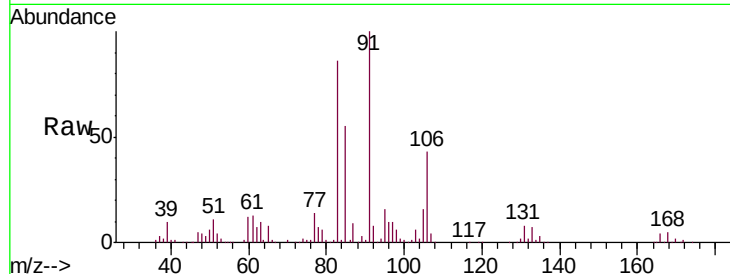




#63
 1,1,2,2-Tetrachloroethane
 Concen: 6.752 ppbv
 RT: 13.84 min Scan# 3391
 Delta R.T. 0.00 min
 Lab File: VL033590.D
 Acq: 16 Apr 2019 12:48

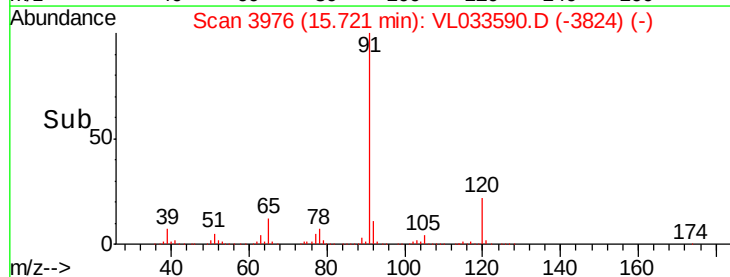
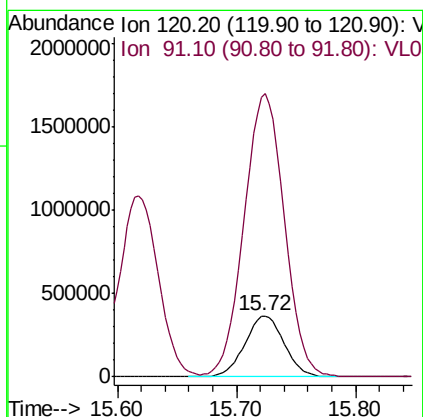
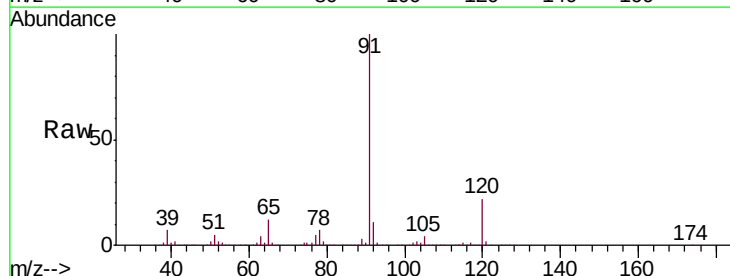
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0416ABSD01

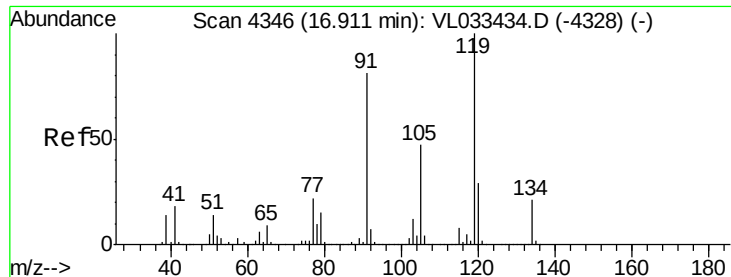
Tgt Ion: 83 Resp: 1592965
 Ion Ratio Lower Upper
 83 100
 131 9.6 4.7 14.0
 85 65.5 32.7 98.1



#64
 n-propylbenzene
 Concen: 7.282 ppbv
 RT: 15.72 min Scan# 3976
 Delta R.T. -0.01 min
 Lab File: VL033590.D
 Acq: 16 Apr 2019 12:48

Tgt Ion: 120 Resp: 838479
 Ion Ratio Lower Upper
 120 100
 91 477.0 387.4 581.2

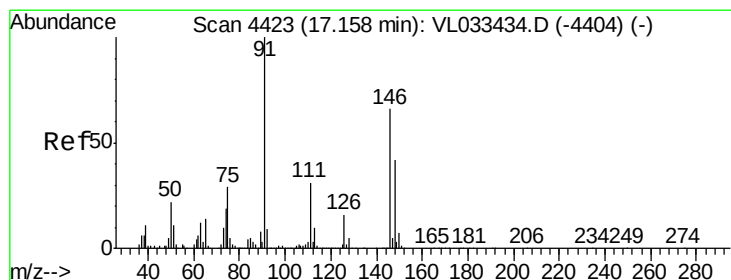
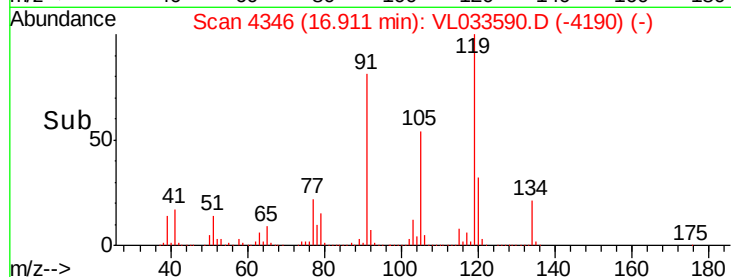
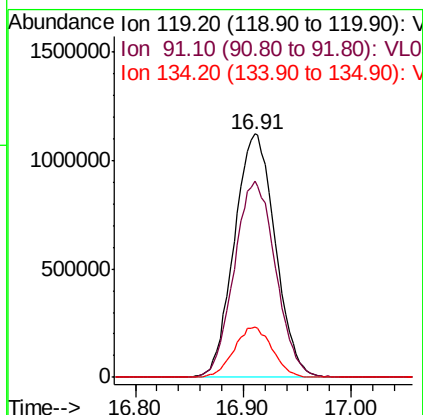
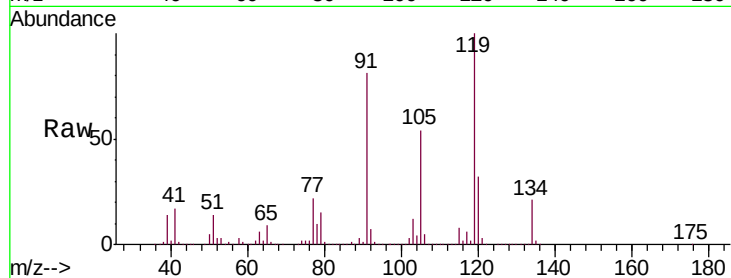




#65
 tert-Butylbenzene
 Concen: 7.407 ppbv
 RT: 16.91 min Scan# 4346
 Delta R.T. -0.00 min
 Lab File: VL033590.D
 Acq: 16 Apr 2019 12:48

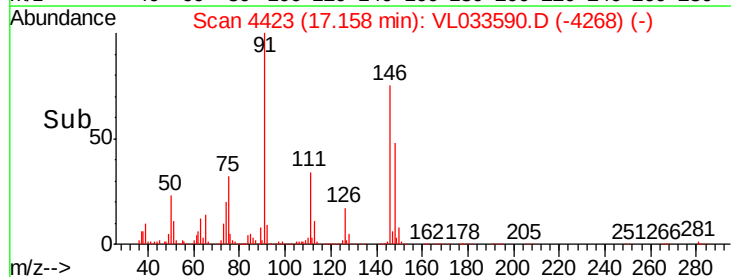
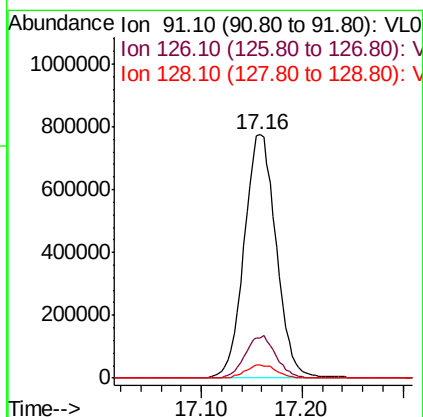
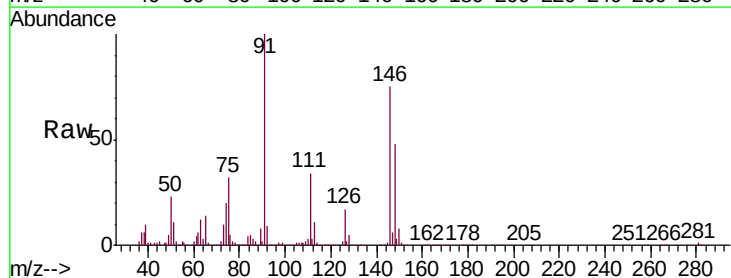
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0416ABSD01

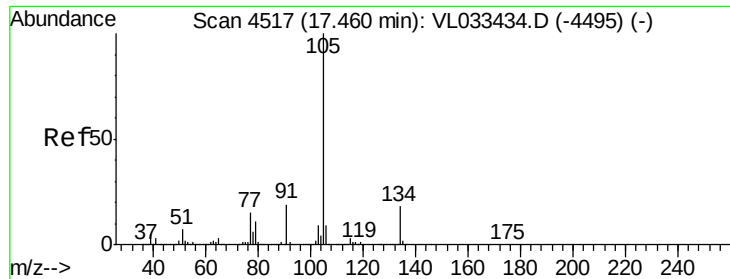
Tgt Ion: 119 Resp: 2961548
 Ion Ratio Lower Upper
 119 100
 91 81.7 66.4 99.6
 134 19.4 15.5 23.3



#66
 Benzyl Chloride
 Concen: 9.125 ppbv
 RT: 17.16 min Scan# 4423
 Delta R.T. -0.00 min
 Lab File: VL033590.D
 Acq: 16 Apr 2019 12:48

Tgt Ion: 91 Resp: 1696561
 Ion Ratio Lower Upper
 91 100
 126 16.7 13.0 19.6
 128 5.3 4.2 6.2





#67

sec-Butylbenzene

Concen: 7.319 ppbv

RT: 17.46 min Scan# 4516

Delta R.T. -0.00 min

Lab File: VL033590.D

Acq: 16 Apr 2019 12:48

Instrument :

MSVOA_L

ClientSampleId :

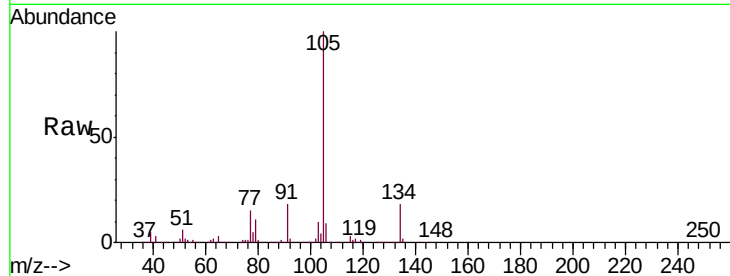
VL0416ABSD01

Tgt Ion:105 Resp: 4161742

Ion Ratio Lower Upper

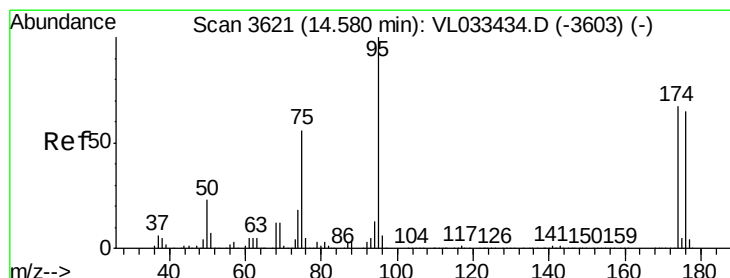
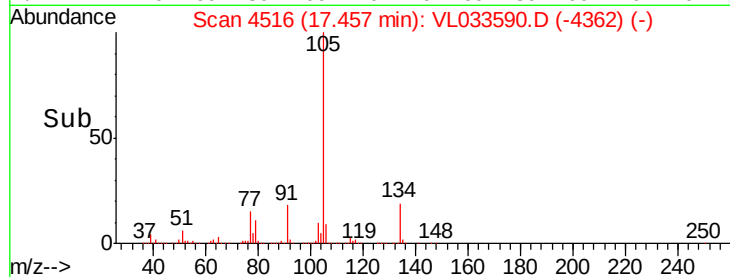
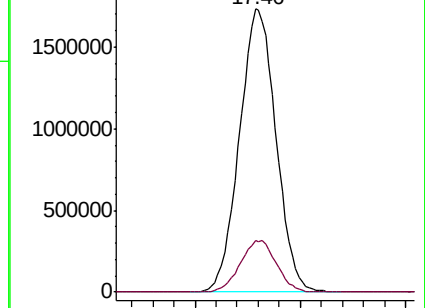
105 100

134 18.0 14.6 21.8



Abundance Ion 105.10 (104.80 to 105.80): V

2000000 Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 8.347 ppbv

RT: 14.58 min Scan# 3621

Delta R.T. -0.00 min

Lab File: VL033590.D

Acq: 16 Apr 2019 12:48

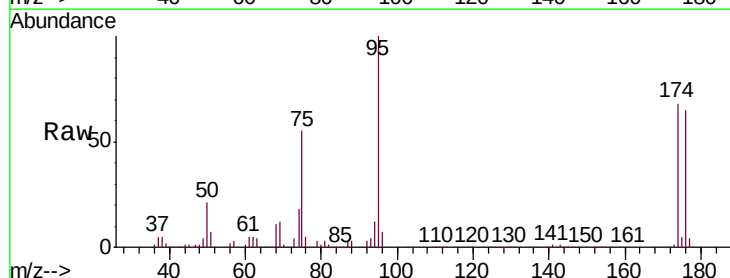
Tgt Ion: 95 Resp: 1817773

Ion Ratio Lower Upper

95 100

174 68.2 52.9 79.3

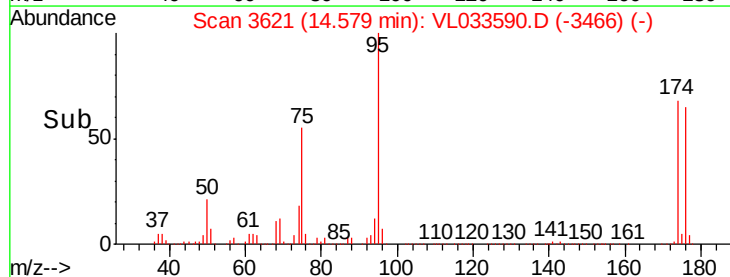
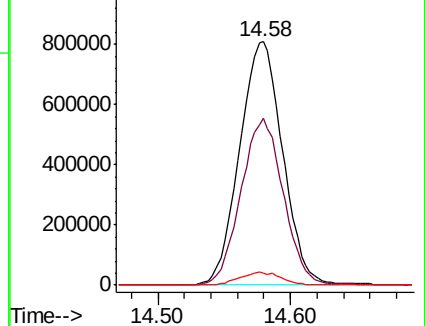
175 5.1 3.8 5.6

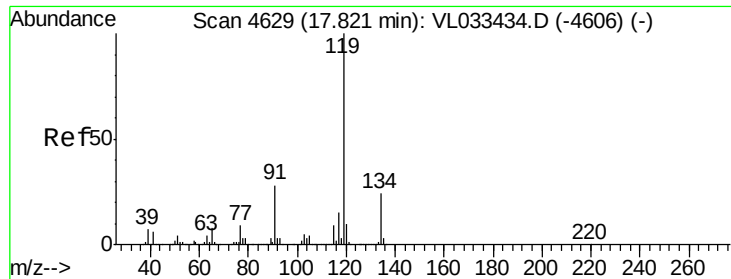


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

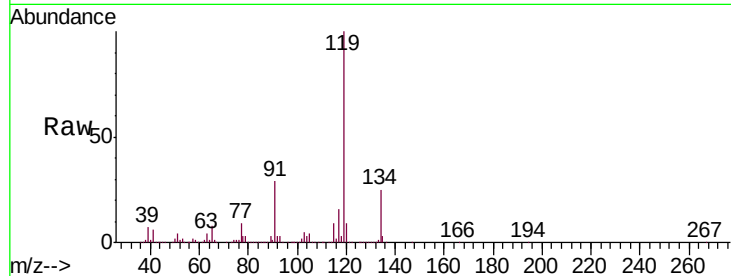




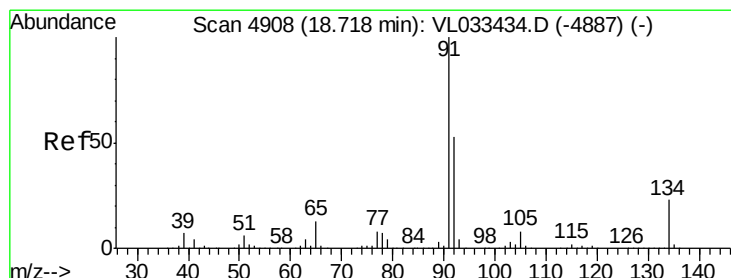
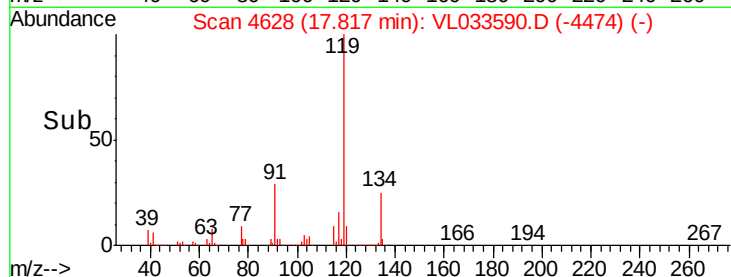
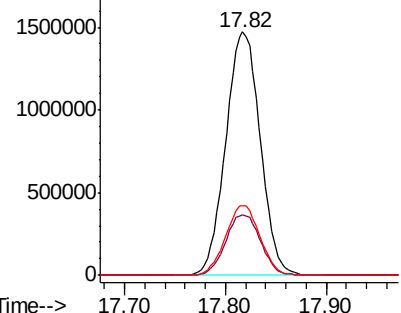
#69
 p-Isopropyltoluene
 Concen: 7.528 ppbv
 RT: 17.82 min Scan# 4628
 Delta R.T. -0.00 min
 Lab File: VL033590.D
 Acq: 16 Apr 2019 12:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0416ABSD01

Tgt Ion: 119 Resp: 3485444
 Ion Ratio Lower Upper
 119 100
 134 25.3 19.9 29.9
 91 28.7 23.4 35.0

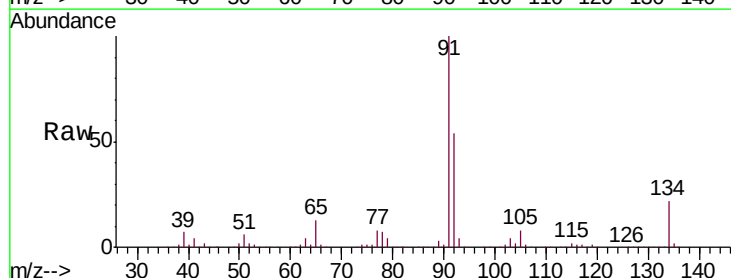


Abundance Ion 119.10 (118.80 to 119.80): V
 2000000 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): VL0

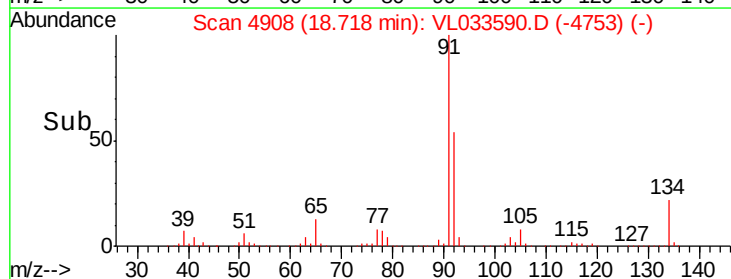
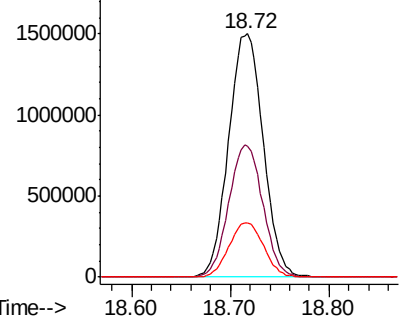


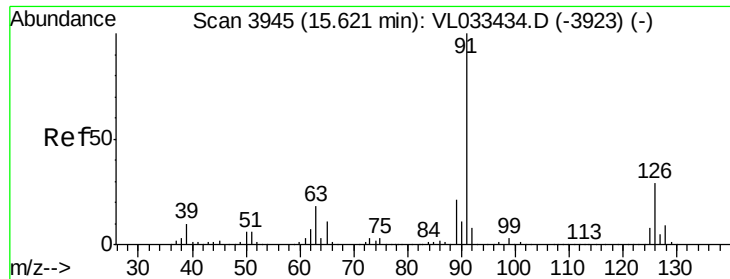
#70
 n-Butylbenzene
 Concen: 7.416 ppbv
 RT: 18.72 min Scan# 4908
 Delta R.T. -0.00 min
 Lab File: VL033590.D
 Acq: 16 Apr 2019 12:48

Tgt Ion: 91 Resp: 3637881
 Ion Ratio Lower Upper
 91 100
 92 53.4 42.6 64.0
 134 22.3 17.5 26.3



Abundance Ion 91.10 (90.80 to 91.80): VL0
 2000000 Ion 92.10 (91.80 to 92.80): VL0
 Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 7.308 ppbv

RT: 15.62 min Scan# 3944

Delta R.T. -0.00 min

Lab File: VL033590.D

Acq: 16 Apr 2019 12:48

Instrument :

MSVOA_L

ClientSampleId :

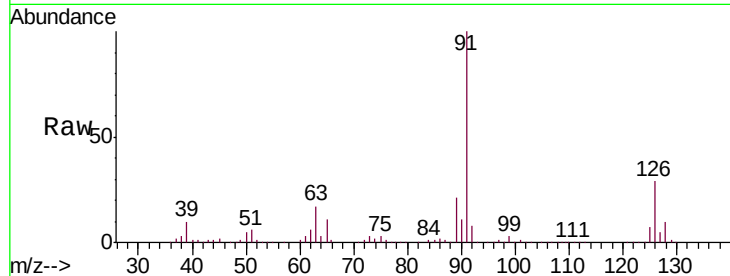
VL0416ABSD01

Tgt Ion: 91 Resp: 2521316

Ion Ratio Lower Upper

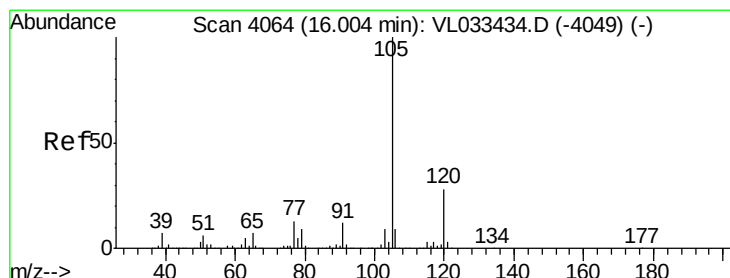
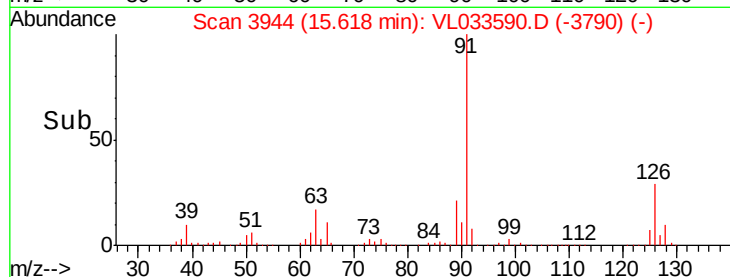
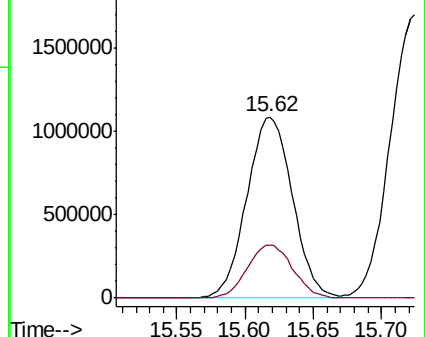
91 100

126 29.4 11.7 46.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 7.572 ppbv

RT: 16.00 min Scan# 4064

Delta R.T. -0.00 min

Lab File: VL033590.D

Acq: 16 Apr 2019 12:48

Tgt Ion:105 Resp: 2727345

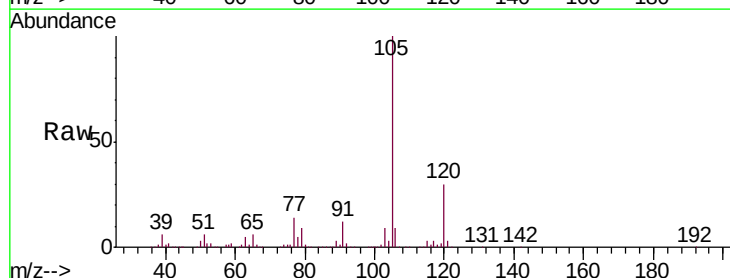
Ion Ratio Lower Upper

105 100

120 28.7 23.2 34.8

91 13.2 10.4 15.6

77 13.6 11.3 16.9

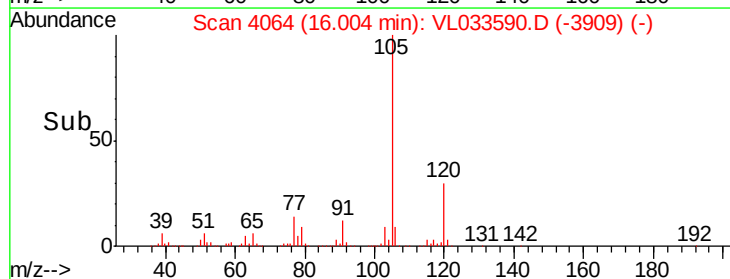
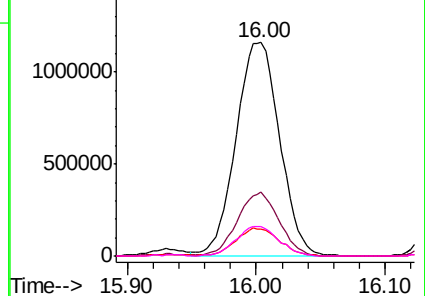


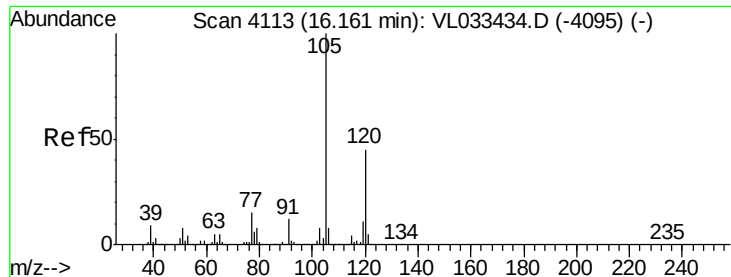
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#73

1,3,5-Trimethylbenzene

Concen: 7.535 ppbv

RT: 16.16 min Scan# 4112

Delta R.T. -0.00 min

Lab File: VL033590.D

Acq: 16 Apr 2019 12:48

Instrument :

MSVOA_L

ClientSampleId :

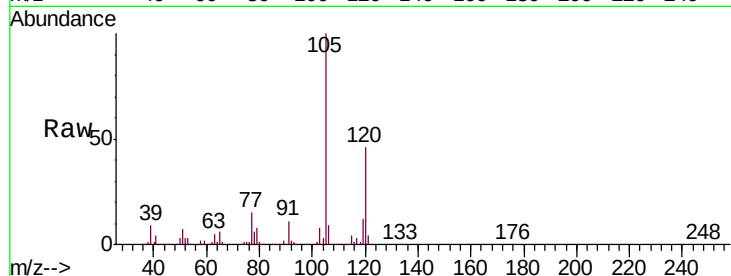
VL0416ABSD01

Tgt Ion:105 Resp: 2596988

Ion Ratio Lower Upper

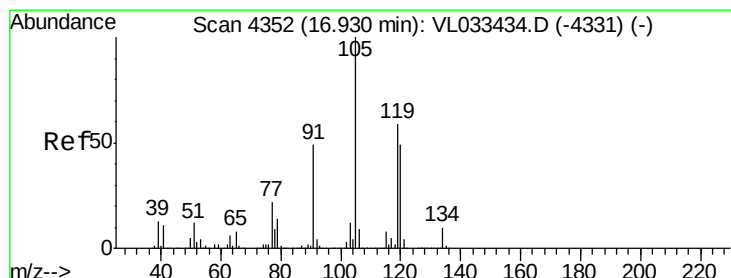
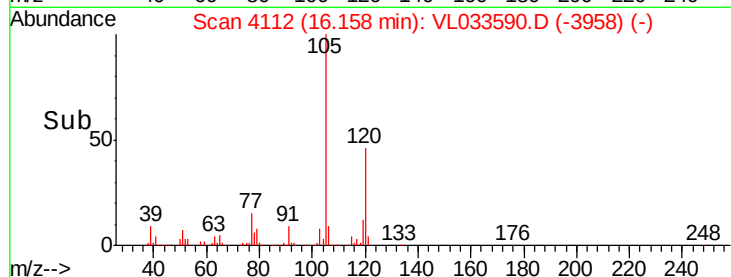
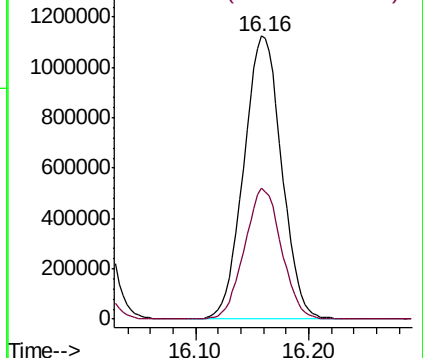
105 100

120 46.4 35.7 53.5



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: 7.331 ppbv

RT: 16.93 min Scan# 4351

Delta R.T. -0.00 min

Lab File: VL033590.D

Acq: 16 Apr 2019 12:48

Tgt Ion:105 Resp: 2708313

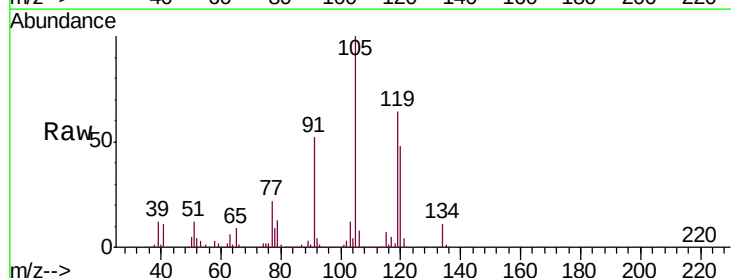
Ion Ratio Lower Upper

105 100

120 48.0 39.0 58.6

91 51.8 40.0 60.0

77 21.9 17.5 26.3

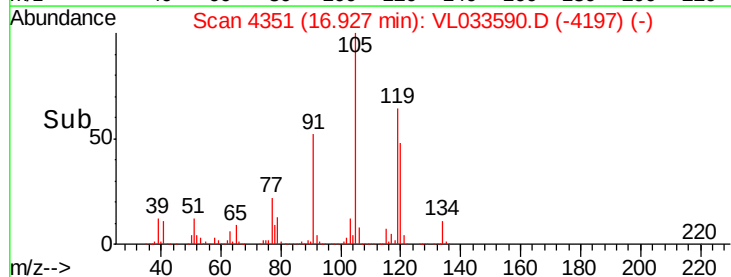
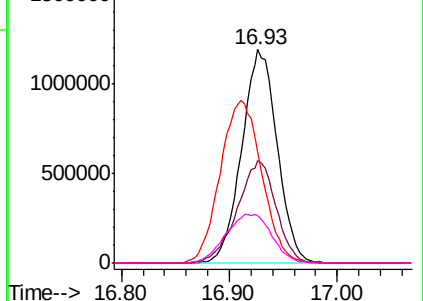


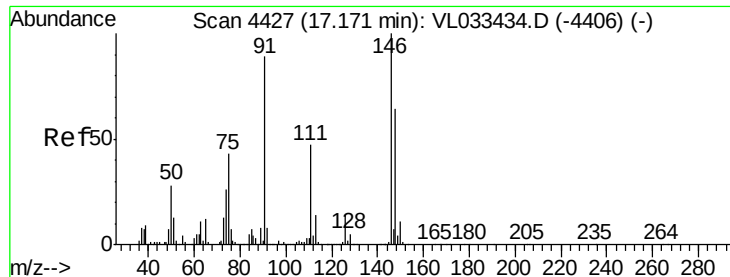
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): V

Ion 77.10 (76.80 to 77.80): V

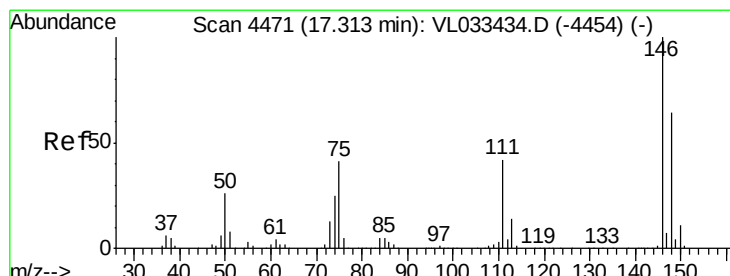
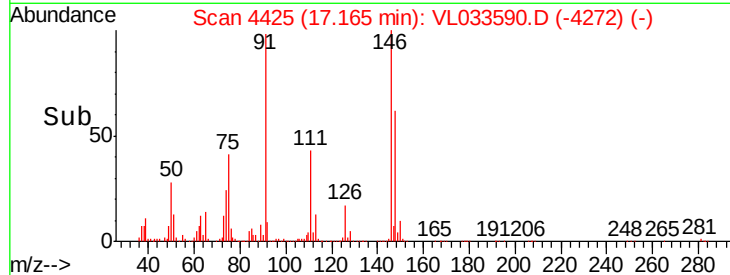
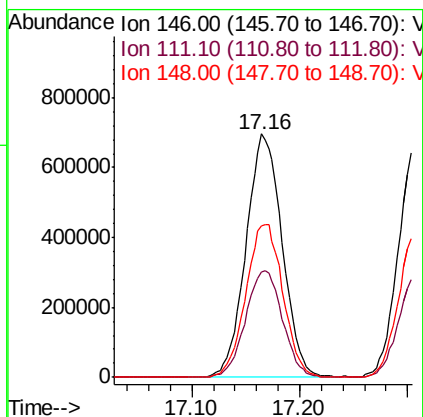
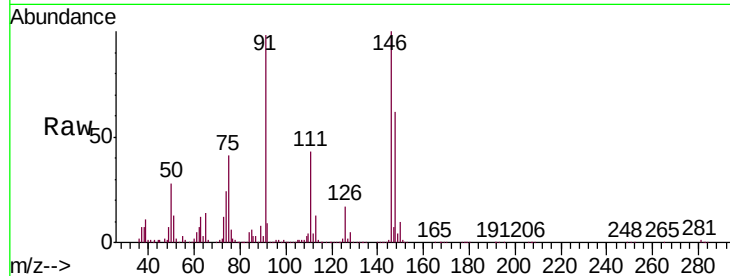




#75
 1,3-Dichlorobenzene
 Concen: 7.085 ppbv
 RT: 17.16 min Scan# 4425
 Delta R.T. -0.01 min
 Lab File: VL033590.D
 Acq: 16 Apr 2019 12:48

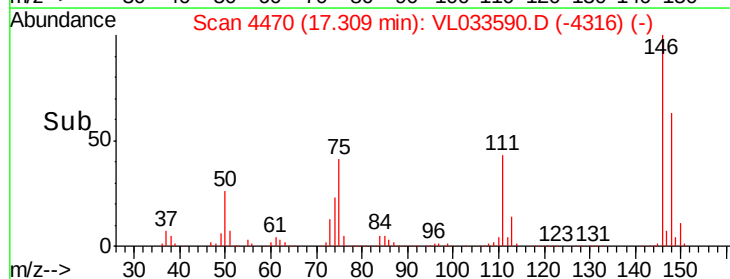
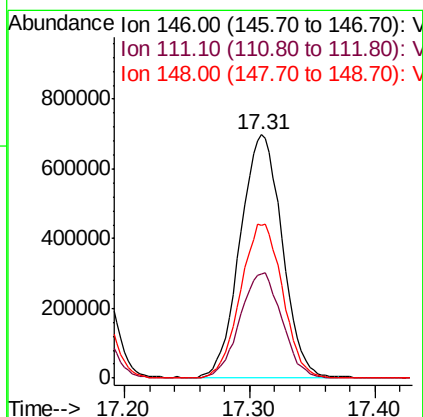
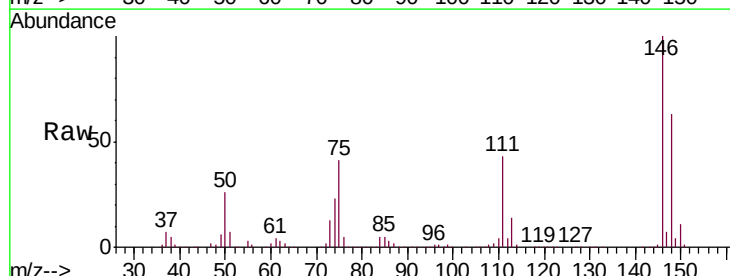
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0416ABSD01

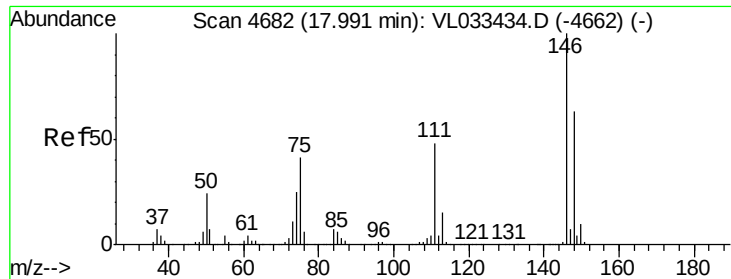
Tgt Ion:146 Resp: 1617717
 Ion Ratio Lower Upper
 146 100
 111 44.9 22.9 68.8
 148 64.5 32.0 96.2



#76
 1,4-Dichlorobenzene
 Concen: 7.271 ppbv
 RT: 17.31 min Scan# 4470
 Delta R.T. -0.00 min
 Lab File: VL033590.D
 Acq: 16 Apr 2019 12:48

Tgt Ion:146 Resp: 1617639
 Ion Ratio Lower Upper
 146 100
 111 43.7 21.7 65.1
 148 64.0 32.0 96.2

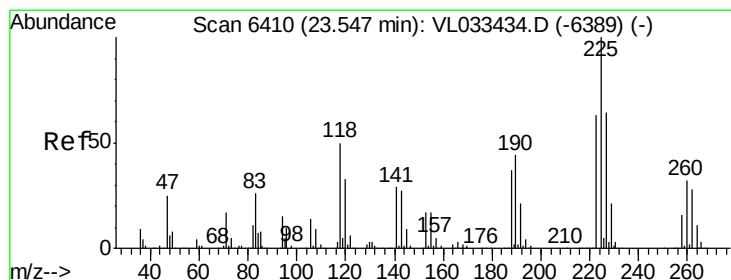
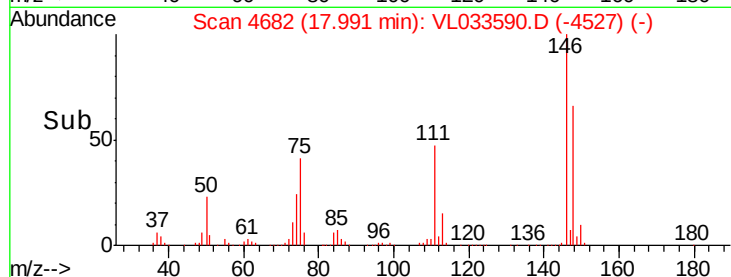
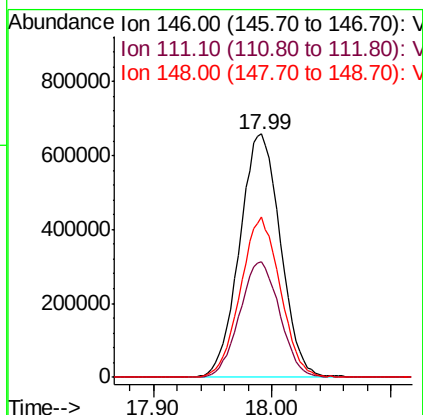
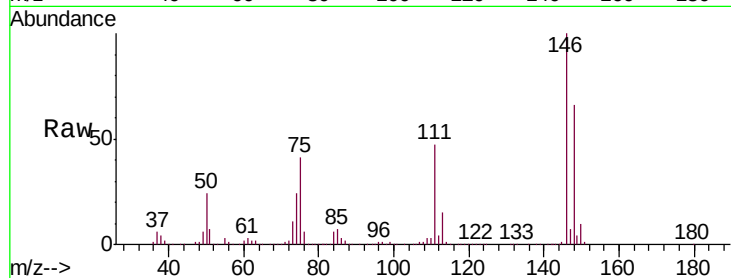




#77
 1,2-Dichlorobenzene
 Concen: 7.214 ppbv
 RT: 17.99 min Scan# 4682
 Delta R.T. -0.00 min
 Lab File: VL033590.D
 Acq: 16 Apr 2019 12:48

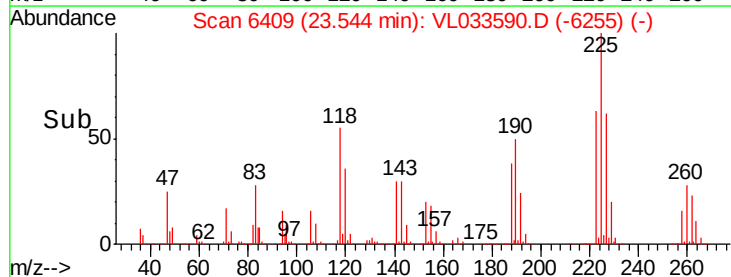
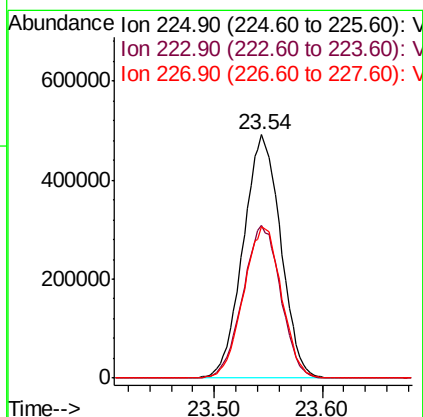
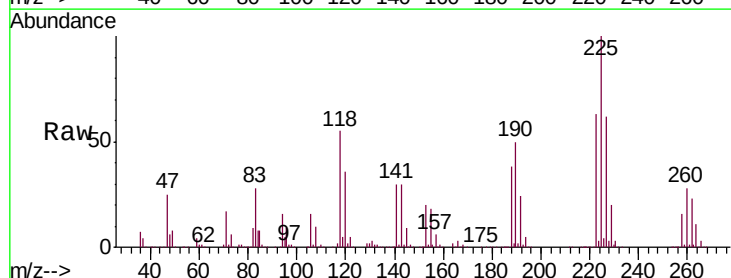
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0416ABSD01

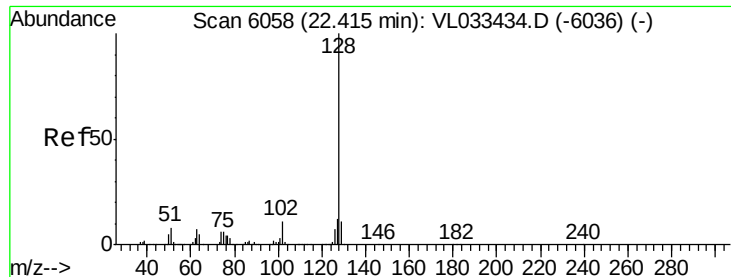
Tgt Ion:146 Resp: 1562929
 Ion Ratio Lower Upper
 146 100
 111 46.8 23.5 70.5
 148 64.3 32.0 96.0



#78
 Hexachloro-1,3-Butadiene
 Concen: 8.260 ppbv
 RT: 23.54 min Scan# 6409
 Delta R.T. -0.00 min
 Lab File: VL033590.D
 Acq: 16 Apr 2019 12:48

Tgt Ion:225 Resp: 1184648
 Ion Ratio Lower Upper
 225 100
 223 63.0 50.0 75.0
 227 63.1 51.1 76.7





#79

Naphthalene

Concen: 8.393 ppbv

RT: 22.41 min Scan# 6057

Delta R.T. -0.00 min

Lab File: VL033590.D

Acq: 16 Apr 2019 12:48

Instrument :

MSVOA_L

ClientSampleId :

VL0416ABSD01

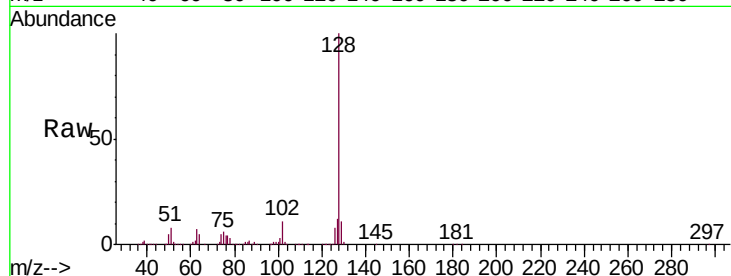
Tgt Ion:128 Resp: 2654251

Ion Ratio Lower Upper

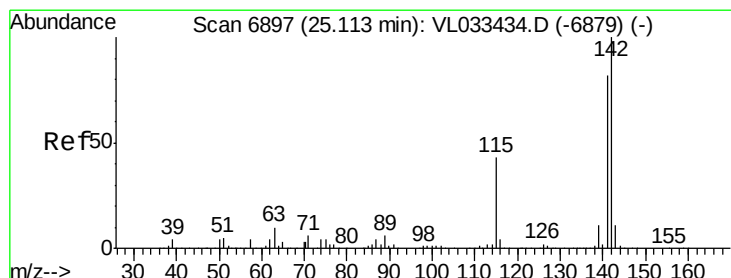
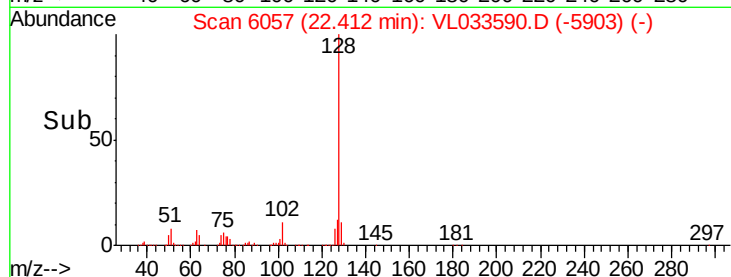
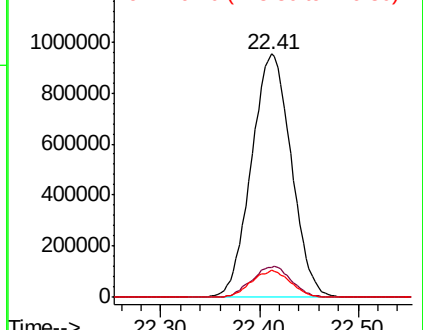
128 100

127 12.1 9.8 14.8

129 11.0 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: 11.483 ppbv

RT: 25.11 min Scan# 6897

Delta R.T. -0.00 min

Lab File: VL033590.D

Acq: 16 Apr 2019 12:48

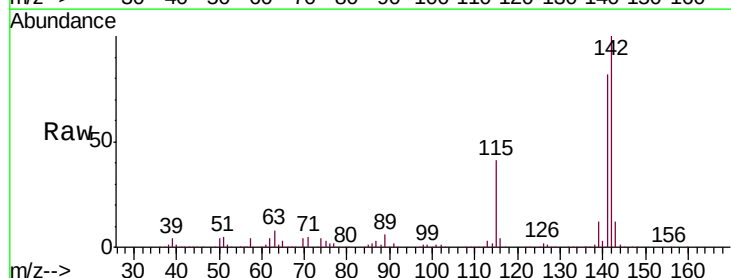
Tgt Ion:142 Resp: 1218667

Ion Ratio Lower Upper

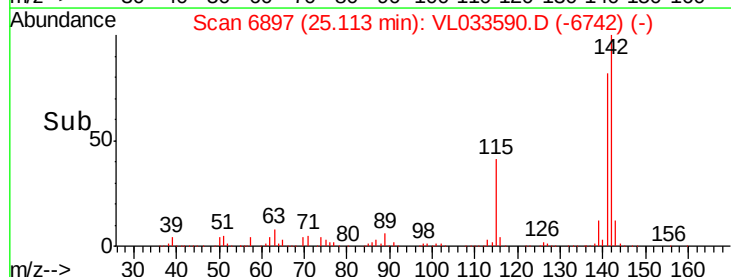
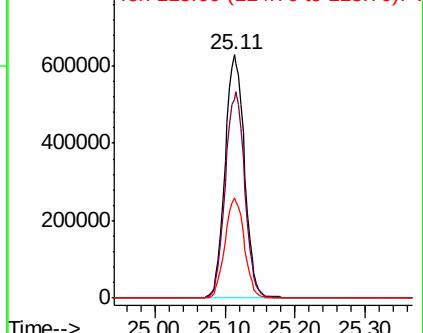
142 100

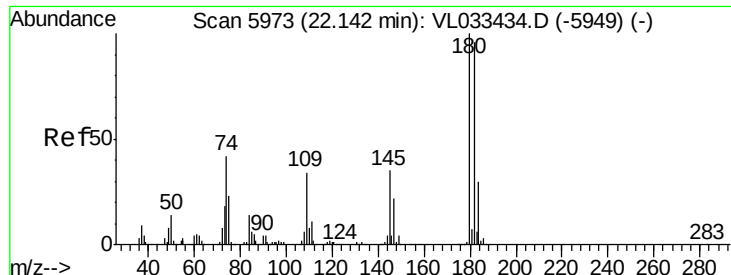
141 84.8 66.6 99.8

115 41.0 34.4 51.6



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: 7.850 ppbv
 RT: 22.13 min Scan# 5970
 Delta R.T. -0.01 min
 Lab File: VL033590.D
 Acq: 16 Apr 2019 12:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0416ABSD01

Tgt Ion:180 Resp: 1377006
 Ion Ratio Lower Upper
 180 100
 182 96.2 77.0 115.4
 184 30.5 24.6 36.8

