

Data File : VL033283.D

Acq On : 12 Mar 2019 14:25

Operator : SY/AP

Sample : 0.4 PPB MDL

Misc : 400ml/MSVOA_L

ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
0.4 PPB MDL

Quant Time: Mar 13 07:51:31 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031219AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Mar 13 07:17:55 2019

QLast Update : Wed Mar 13 07:17:55 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	869759	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1958569	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	1924613	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1516841	10.21	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.10%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	3.08	85	78390	0.446	ppbv 98
3) Chlorodifluoromethane	3.01	51	46919	0.407	ppbv 100
4) Chloromethane	3.17	50	23883	0.387	ppbv 97
5) Vinyl Chloride	3.29	62	22498	0.374	ppbv 94
6) Bromomethane	3.52	94	14979	0.407	ppbv 90
7) Chloroethane	3.60	64	4496	0.206	ppbv # 73
8) Dichlorotetrafluoroethane	3.22	85	60654	0.408	ppbv 99
9) Propene	3.04	41	18849	0.358	ppbv 96
10) Heptane	8.25	43	43797	0.370	ppbv 99
11) Trichlorofluoromethane	4.00	101	65170	0.375	ppbv 96
12) 1,1,2-Trichlorotrifluoroet	4.55	101	44454	0.447	ppbv 100
13) Ethanol	3.67	45	7449	0.464	ppbv 80
14) Bromoethene	3.78	108	17747	0.382	ppbv 96
15) Acetone	3.91	43	52678	0.395	ppbv 100
16) 1,3-Butadiene	3.36	39	21467	0.446	ppbv 86
17) tert-Butyl alcohol	4.36	59	521	0.029	ppbv # 74
18) 1,1-Dichloroethene	4.35	96	18144	0.412	ppbv 99
19) Isopropyl Alcohol	4.04	45	30981	0.384	ppbv # 96
20) Methylene Chloride	4.41	84	22115	0.499	ppbv 90
21) Allyl Chloride	4.48	41	26555	0.400	ppbv 95
22) trans-1,2-Dichloroethene	4.96	96	19096	0.407	ppbv # 88
23) Vinyl Acetate	5.16	43	63354	0.379	ppbv # 95
24) 1,1-Dichloroethane	5.09	63	47184	0.389	ppbv 99
25) Ethyl Acetate	5.78	43	88124	0.429	ppbv 99
26) Hexane	5.78	57	26408	0.274	ppbv # 32
27) Carbon Disulfide	4.62	76	35837	0.350	ppbv # 88
28) Methyl tert-Butyl Ether	5.13	73	48874	0.357	ppbv 96
29) Chloroform	5.84	83	60547	0.412	ppbv 92
30) Cyclohexane	7.25	84	25836	0.345	ppbv 91
31) cis-1,2-Dichloroethene	5.64	61	36657	0.396	ppbv 98
32) 1,1,1-Trichloroethane	6.62	97	55109	0.385	ppbv 96
34) 2-Butanone	5.34	43	52038	0.402	ppbv 100
35) Carbon Tetrachloride	7.13	117	34482	0.241	ppbv # 87
36) Benzene	7.00	78	71565	0.396	ppbv 94
37) 1,2-Dichloroethane	6.41	62	49051	0.453	ppbv 97
38) Trichloroethene	7.96	130	27324	0.388	ppbv # 87
39) 1,2-Dichloropropane	7.73	63	18736	0.276	ppbv # 82
40) 1,4-Dioxane	7.98	88	2010	0.079	ppbv # 1
41) Tetrahydrofuran	6.17	42	12181	0.169	ppbv # 37
42) Bromodichloromethane	7.91	83	37201	0.249	ppbv # 96
43) Methyl Methacrylate	8.14	69	26330	0.374	ppbv 96

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0.4 PPB MDL

Quant Time: Mar 13 07:51:31 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031219AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Mar 13 07:17:55 2019

QLast Update : Wed Mar 13 07:17:55 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	123056	0.401	ppbv	97
45) t-1,3-Dichloropropene	9.41	75	23793	0.275	ppbv	89
46) cis-1,3-Dichloropropene	8.83	75	17820	0.176	ppbv	93
47) 1,1,2-Trichloroethane	9.61	97	20733	0.286	ppbv	95
48) Dibromochloromethane	10.44	129	43753	0.368	ppbv	95
49) Bromoform	13.20	173	30523	0.316	ppbv	96
50) 4-Methyl-2-Pentanone	8.89	43	68294	0.369	ppbv	97
51) 2-Hexanone	10.30	43	46692	0.331	ppbv #	95
52) Tetrachloroethene	11.36	164	11691	0.177	ppbv	93
53) Toluene	9.94	91	72679	0.349	ppbv	100
54) 1,2-Dibromoethane	10.75	107	43456	0.390	ppbv	92
56) 1,1,1,2-Tetrachloroethane	12.28	131	12669	0.155	ppbv #	1
57) Chlorobenzene	12.30	112	64968	0.448	ppbv #	84
58) Ethyl Benzene	12.86	91	99980	0.378	ppbv	96
59) m/p-Xylene	13.13	91	93166	0.421	ppbv #	32
60) o-Xylene	13.85	91	85295	0.401	ppbv	95
61) Styrene	13.68	104	51696	0.341	ppbv	98
62) Isopropylbenzene	14.83	105	123771	0.418	ppbv	97
63) 1,1,2,2-Tetrachloroethane	13.83	83	61855	0.434	ppbv	96
64) n-propylbenzene	15.73	120	15641	0.215	ppbv #	1
65) tert-Butylbenzene	16.91	119	93061	0.372	ppbv	94
66) Benzyl Chloride	17.15	91	16682	0.172	ppbv #	76
67) sec-Butylbenzene	17.46	105	138598	0.389	ppbv	98
69) p-Isopropyltoluene	17.82	119	102974	0.358	ppbv	97
70) n-Butylbenzene	18.72	91	111341	0.361	ppbv	98
71) 2-Chlorotoluene	15.62	91	85955	0.385	ppbv	98
72) 4-Ethyltoluene	15.99	105	39424	0.172	ppbv #	52
73) 1,3,5-Trimethylbenzene	16.16	105	81503	0.377	ppbv	98
74) 1,2,4-Trimethylbenzene	16.92	105	51187	0.232	ppbv	97
75) 1,3-Dichlorobenzene	17.17	146	56114	0.425	ppbv	96
76) 1,4-Dichlorobenzene	17.31	146	56776	0.435	ppbv	98
77) 1,2-Dichlorobenzene	17.98	146	52167	0.397	ppbv	91
78) Hexachloro-1,3-Butadiene	23.55	225	43797	0.400	ppbv	97
79) Naphthalene	22.42	128	51913	0.218	ppbv	97
80) Naphthalene,2-methyl-	25.12	142	4200	0.064	ppbv #	80
81) 1,2,4-Trichlorobenzene	22.14	180	21074	0.168	ppbv #	29

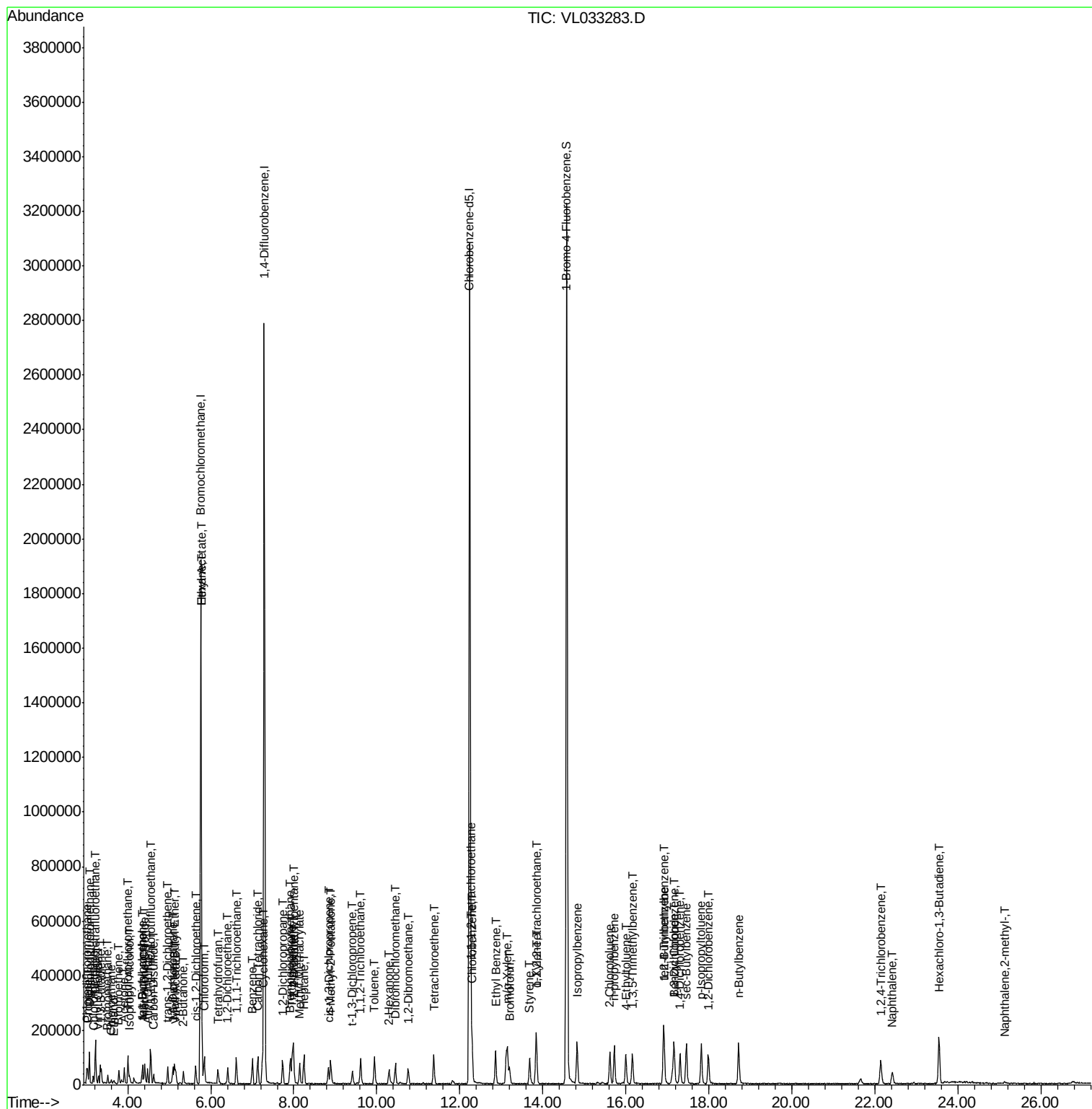
(#) = qualifier out of range (m) = manual integration (+) = signals summed

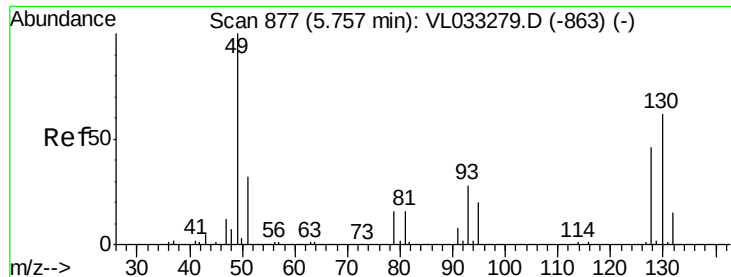
Data File : VL033283.D

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Instrument :
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ClientSampleId :
0.4 PPB MDL

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 13 07:17:55 2019
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 878

Delta R.T. -0.00 min

Lab File: VL033283.D

Acq: 12 Mar 2019 14:25

Instrument :

MSVOA_L

ClientSampleId :

0.4 PPB MDL

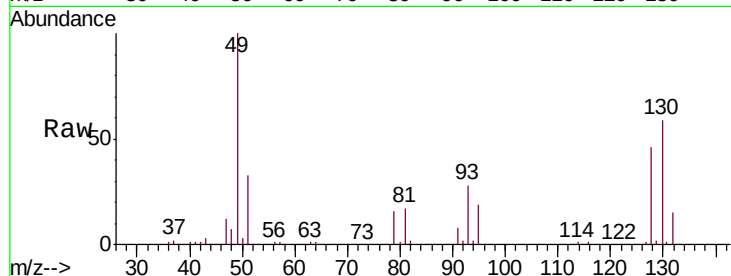
Tgt Ion: 49 Resp: 869759

Ion Ratio Lower Upper

49 100

128 46.6 23.3 69.9

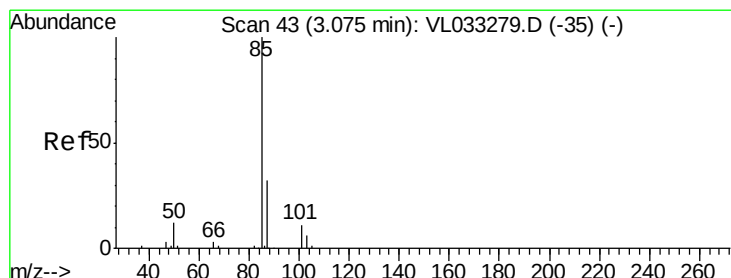
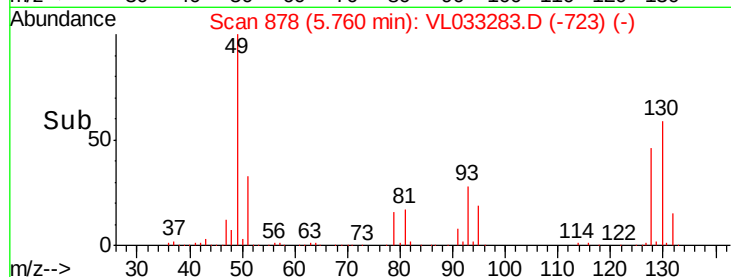
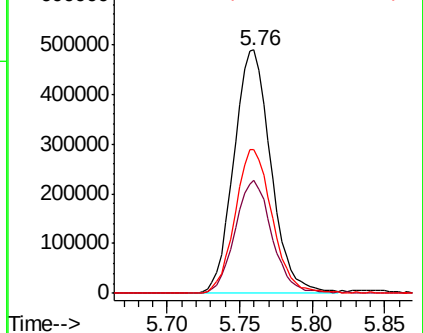
130 59.7 30.0 90.1



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.446 ppbv

RT: 3.08 min Scan# 43

Delta R.T. -0.00 min

Lab File: VL033283.D

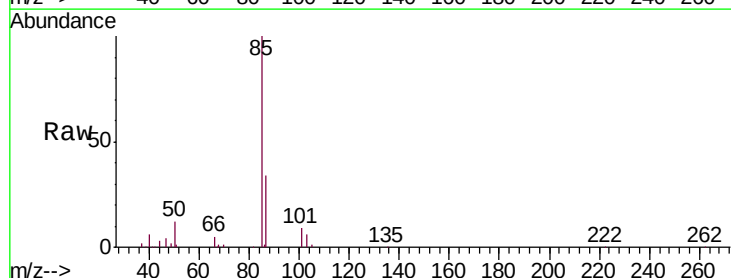
Acq: 12 Mar 2019 14:25

Tgt Ion: 85 Resp: 78390

Ion Ratio Lower Upper

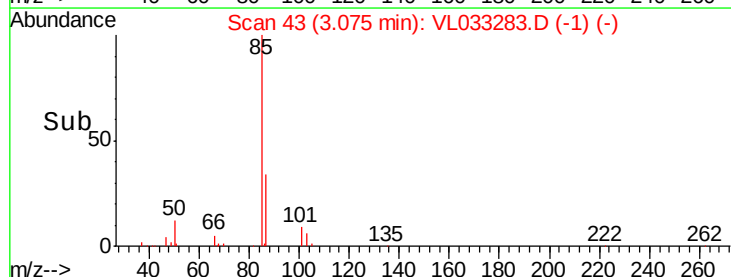
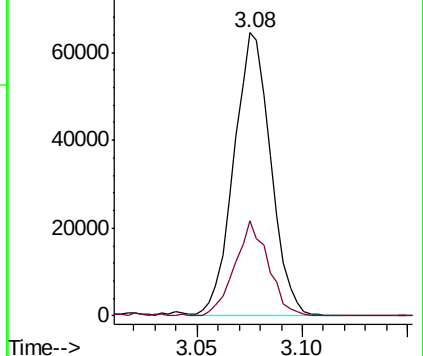
85 100

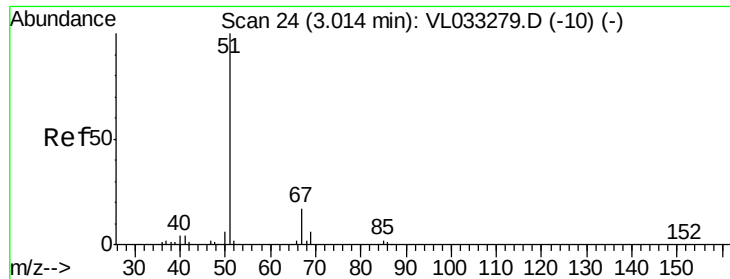
87 33.9 26.4 39.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.407 ppbv

RT: 3.01 min Scan# 24

Delta R.T. -0.00 min

Lab File: VL033283.D

Acq: 12 Mar 2019 14:25

Instrument :

MSVOA_L

ClientSampleId :

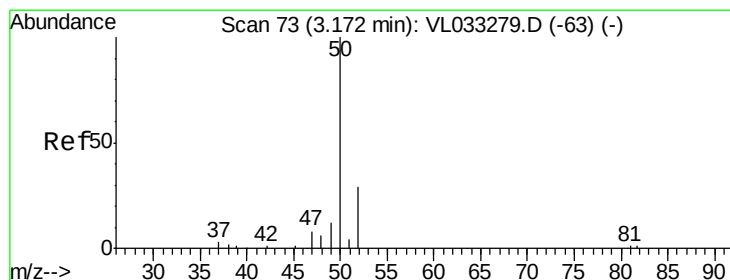
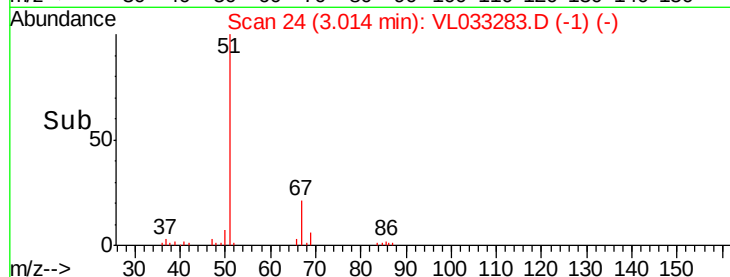
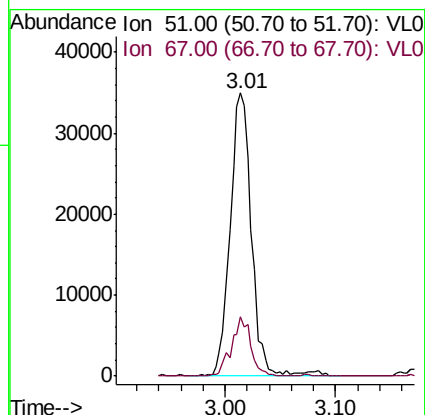
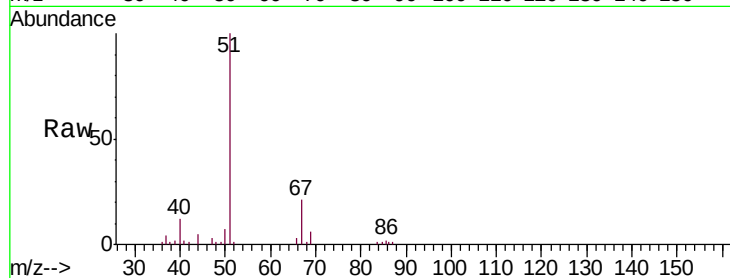
0.4 PPB MDL

Tgt Ion: 51 Resp: 46919

Ion Ratio Lower Upper

51 100

67 18.9 15.0 22.4



#4

Chloromethane

Concen: 0.387 ppbv

RT: 3.17 min Scan# 73

Delta R.T. -0.00 min

Lab File: VL033283.D

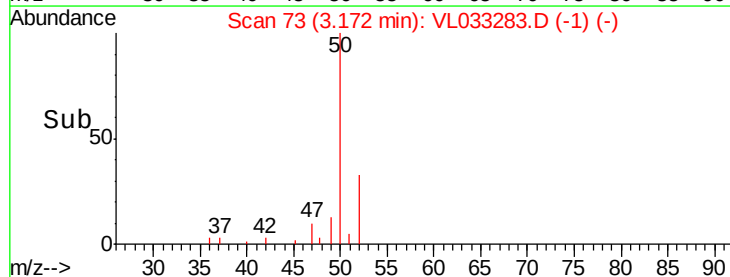
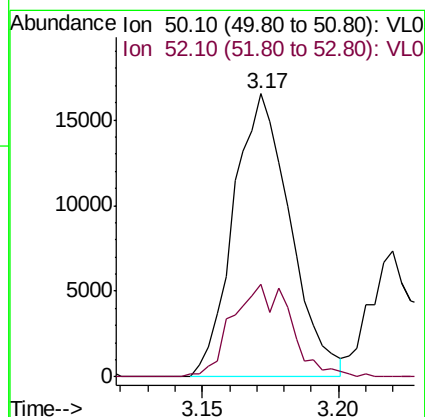
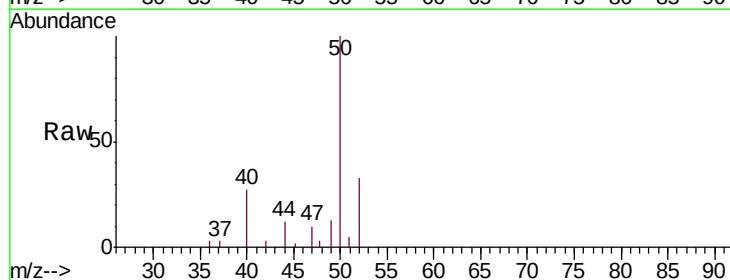
Acq: 12 Mar 2019 14:25

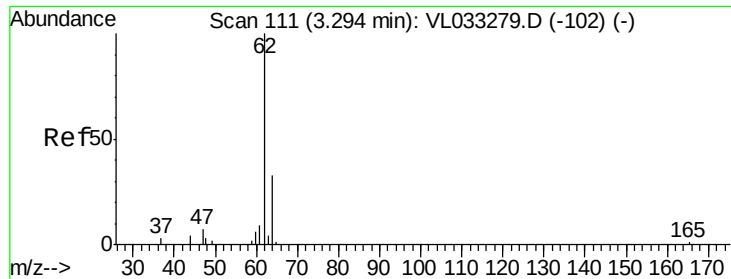
Tgt Ion: 50 Resp: 23883

Ion Ratio Lower Upper

50 100

52 31.5 26.6 39.8





#5

Vinyl Chloride

Concen: 0.374 ppbv

RT: 3.29 min Scan# 111

Delta R.T. 0.00 min

Lab File: VL033283.D

Acq: 12 Mar 2019 14:25

Instrument :

MSVOA_L

ClientSampleId :

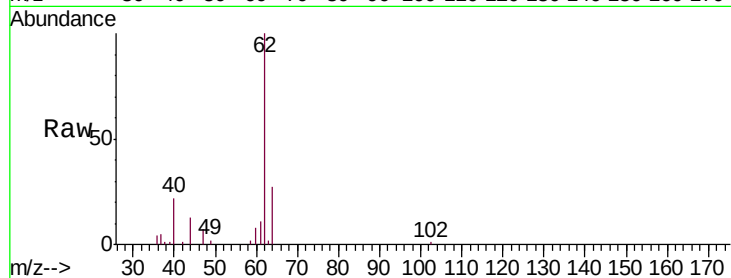
0.4 PPB MDL

Tgt Ion: 62 Resp: 22498

Ion Ratio Lower Upper

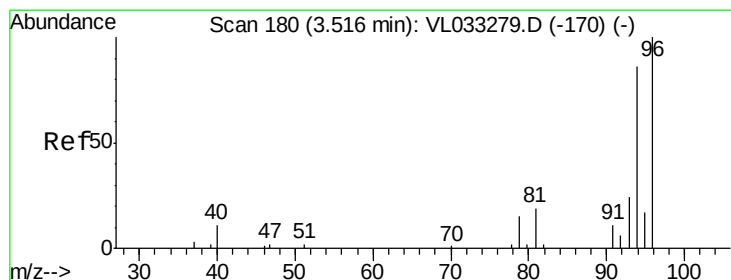
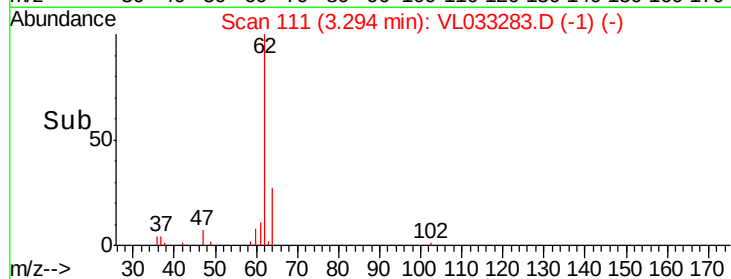
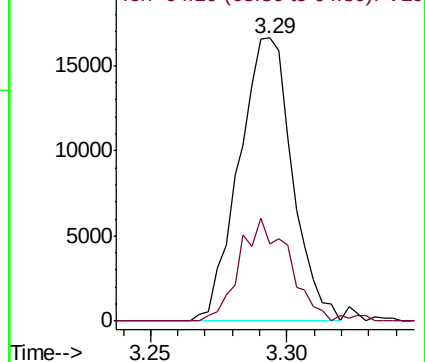
62 100

64 27.4 24.5 36.7



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 0.407 ppbv

RT: 3.52 min Scan# 180

Delta R.T. 0.00 min

Lab File: VL033283.D

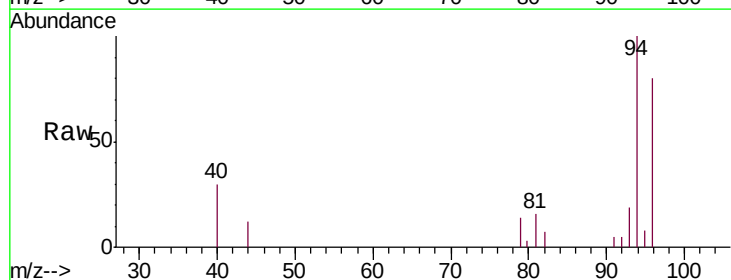
Acq: 12 Mar 2019 14:25

Tgt Ion: 94 Resp: 14979

Ion Ratio Lower Upper

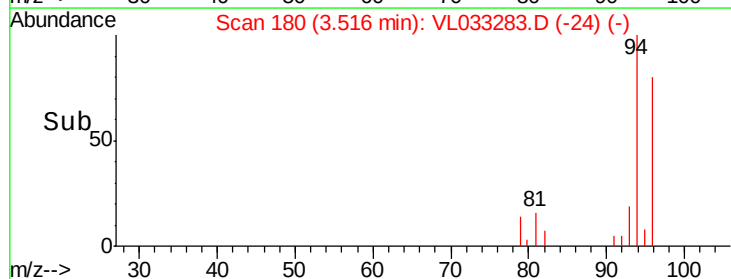
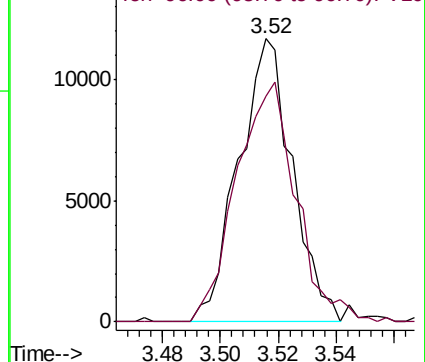
94 100

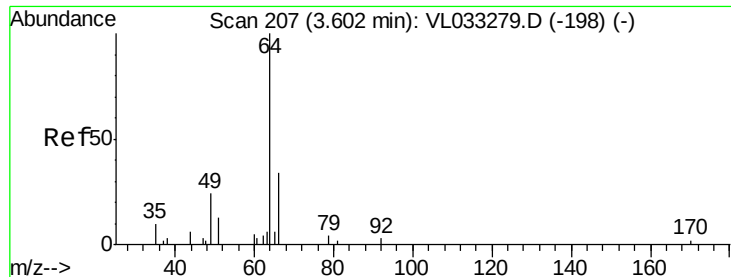
96 79.7 71.3 106.9



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 0.206 ppbv

RT: 3.60 min Scan# 205

Delta R.T. -0.01 min

Lab File: VL033283.D

Acq: 12 Mar 2019 14:25

Instrument :

MSVOA_L

ClientSampleId :

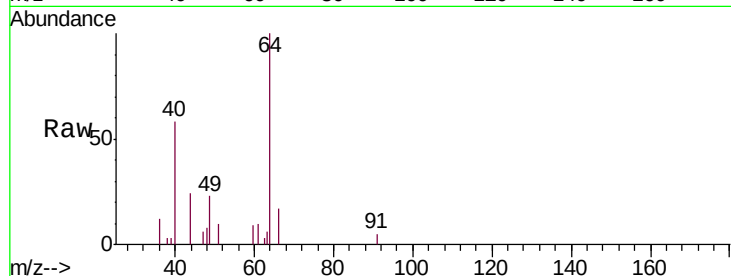
0.4 PPB MDL

Tgt Ion: 64 Resp: 4496

Ion Ratio Lower Upper

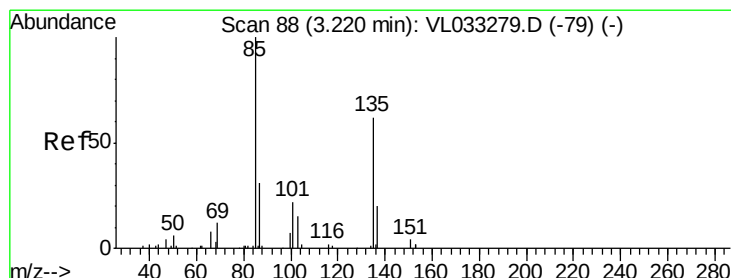
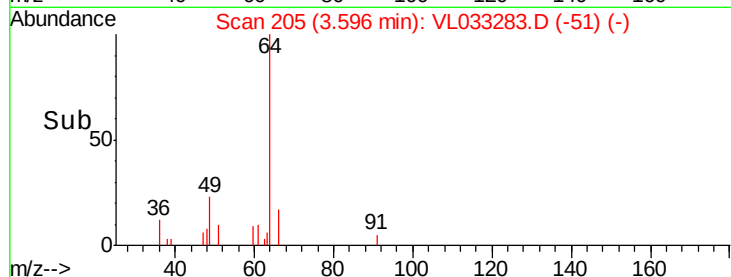
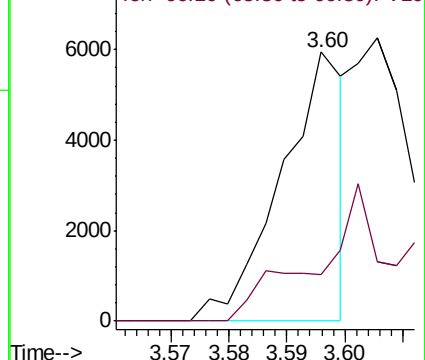
64 100

66 17.3 26.2 39.2#



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 0.408 ppbv

RT: 3.22 min Scan# 88

Delta R.T. -0.00 min

Lab File: VL033283.D

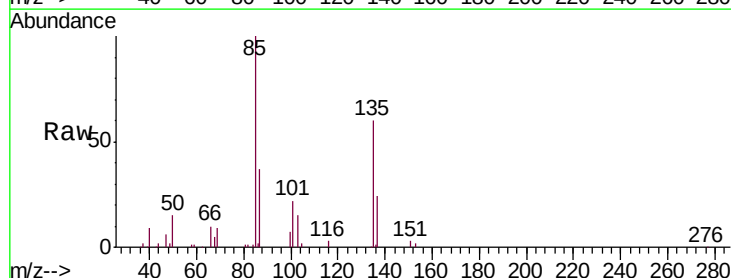
Acq: 12 Mar 2019 14:25

Tgt Ion: 85 Resp: 60654

Ion Ratio Lower Upper

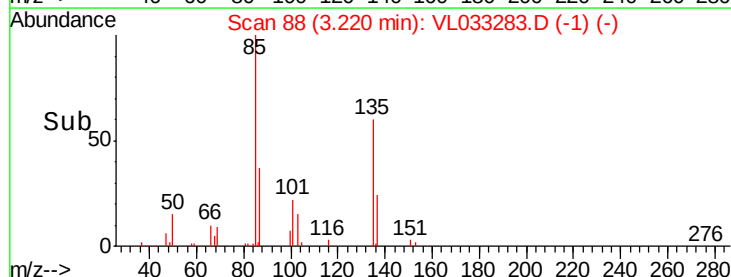
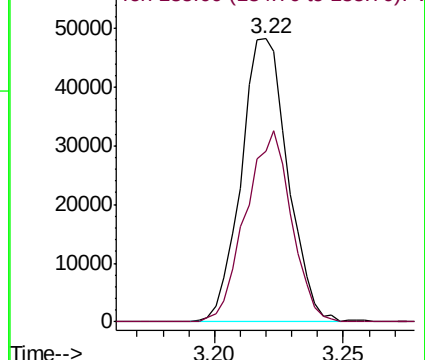
85 100

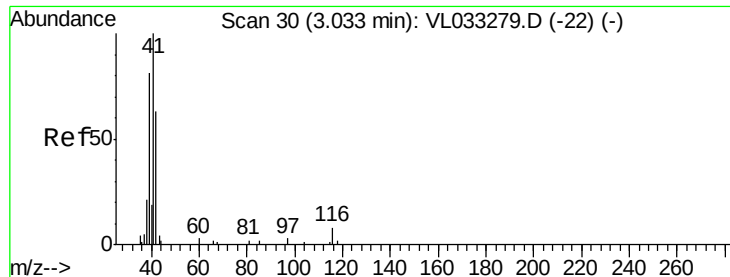
135 66.1 53.4 80.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 0.358 ppbv

RT: 3.04 min Scan# 31

Delta R.T. -0.00 min

Lab File: VL033283.D

Acq: 12 Mar 2019 14:25

Instrument :

MSVOA_L

ClientSampleId :

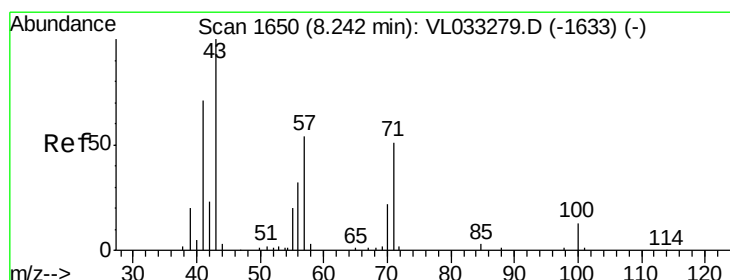
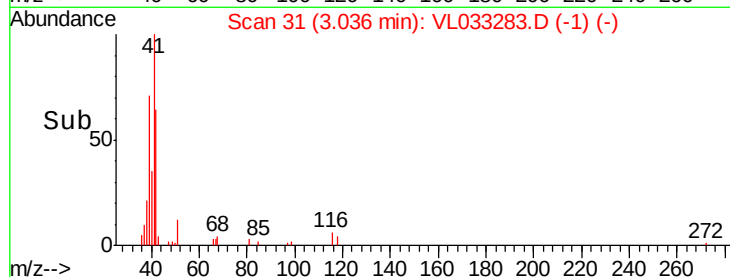
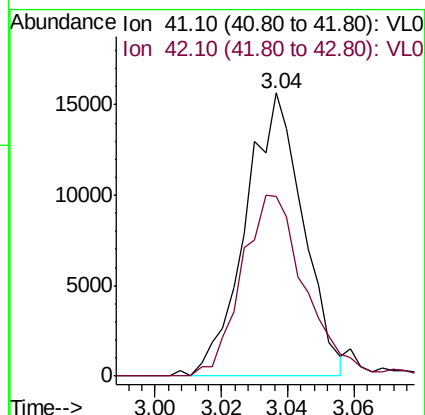
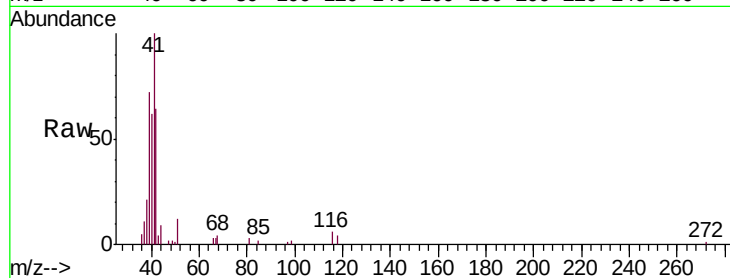
0.4 PPB MDL

Tgt Ion: 41 Resp: 18849

Ion Ratio Lower Upper

41 100

42 71.7 54.6 82.0



#10

Heptane

Concen: 0.370 ppbv

RT: 8.25 min Scan# 1652

Delta R.T. 0.00 min

Lab File: VL033283.D

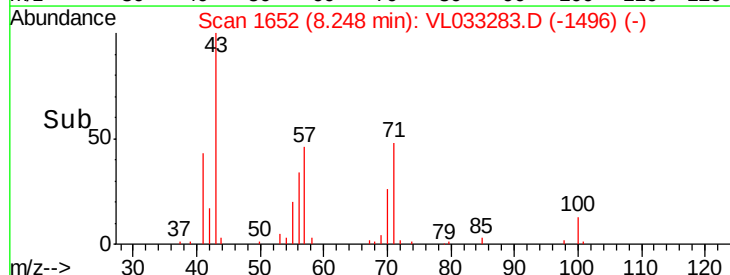
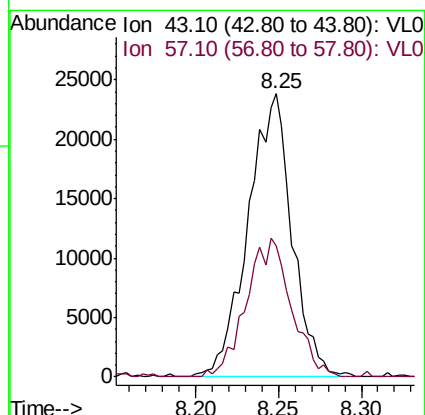
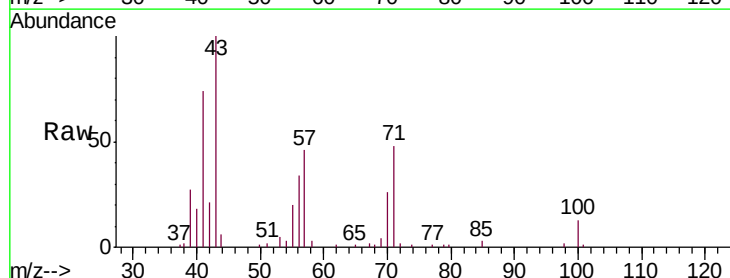
Acq: 12 Mar 2019 14:25

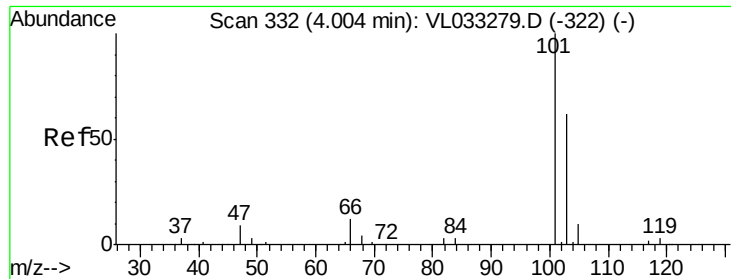
Tgt Ion: 43 Resp: 43797

Ion Ratio Lower Upper

43 100

57 50.4 39.8 59.8

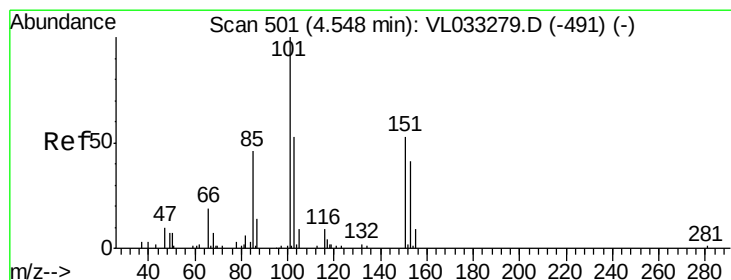
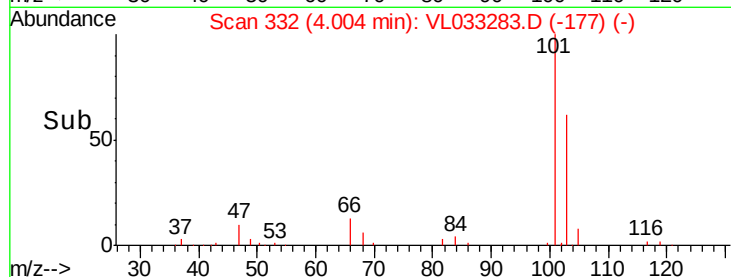
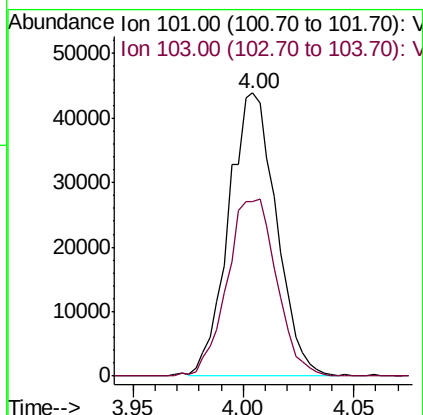
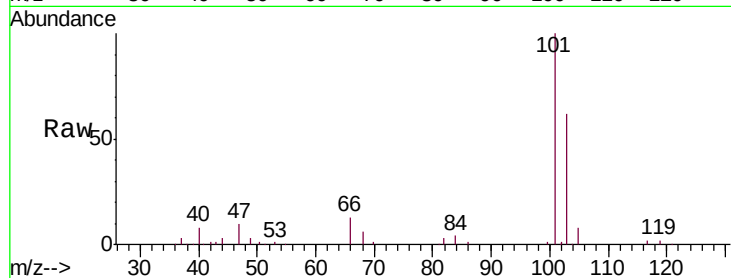




#11
 Trichlorofluoromethane
 Concen: 0.375 ppbv
 RT: 4.00 min Scan# 332
 Delta R.T. -0.00 min
 Lab File: VL033283.D
 Acq: 12 Mar 2019 14:25

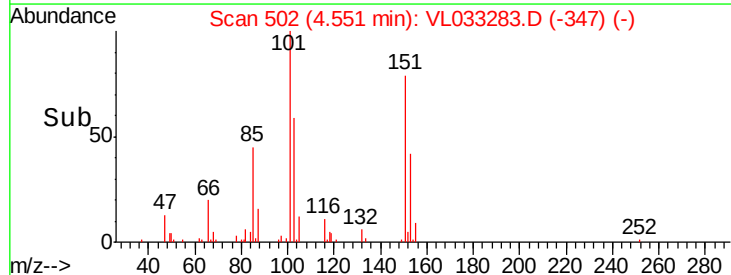
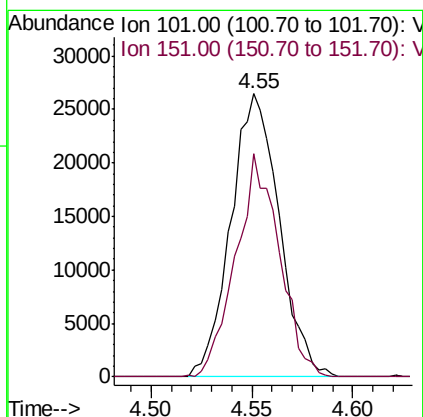
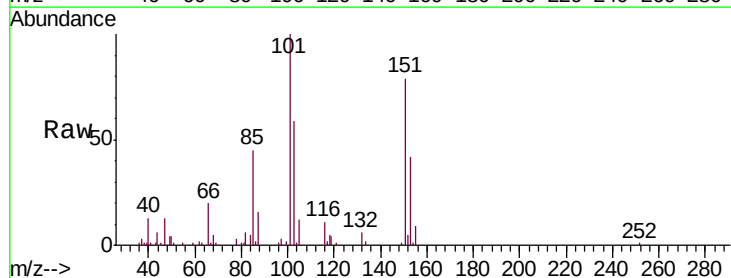
Instrument :
 MSVOA_L
 ClientSampleId :
 0.4 PPB MDL

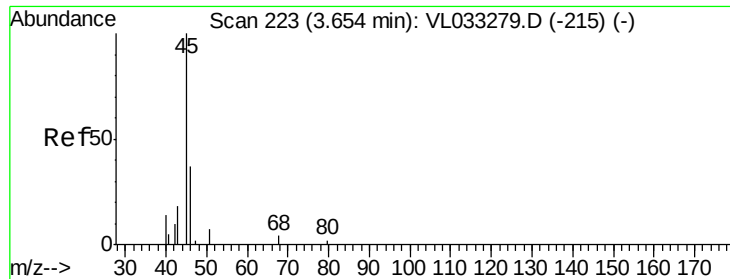
Tgt Ion:101 Resp: 65170
 Ion Ratio Lower Upper
 101 100
 103 61.7 51.8 77.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.447 ppbv
 RT: 4.55 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VL033283.D
 Acq: 12 Mar 2019 14:25

Tgt Ion:101 Resp: 44454
 Ion Ratio Lower Upper
 101 100
 151 70.8 56.9 85.3





#13

Ethanol

Concen: 0.464 ppbv

RT: 3.67 min Scan# 227

Delta R.T. 0.02 min

Lab File: VL033283.D

Acq: 12 Mar 2019 14:25

Instrument :

MSVOA_L

ClientSampleId :

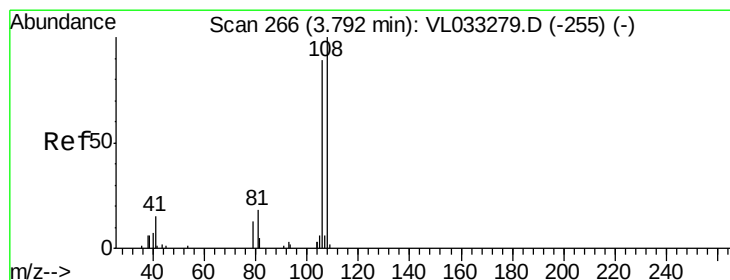
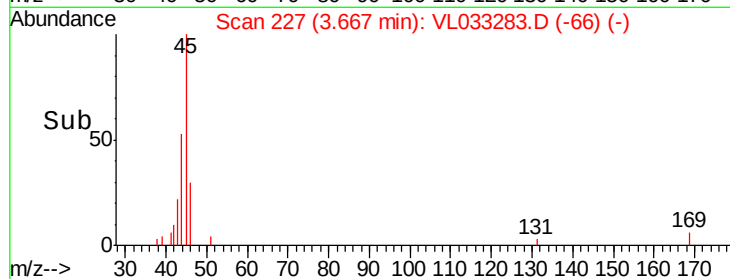
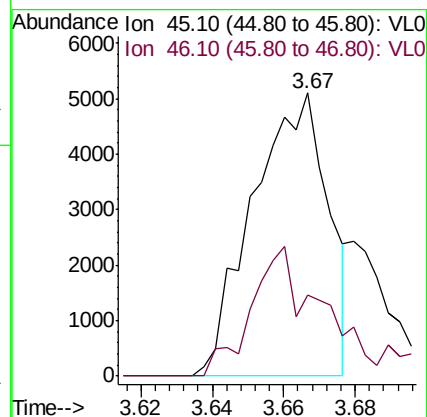
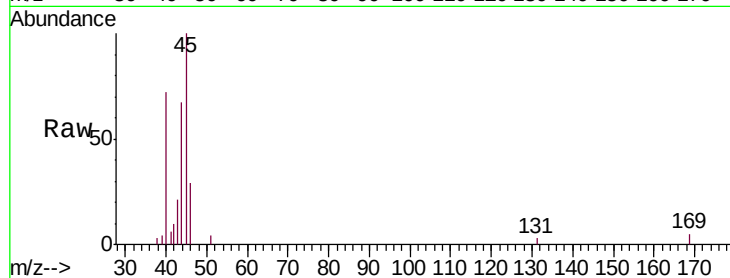
0.4 PPB MDL

Tgt Ion: 45 Resp: 7449

Ion Ratio Lower Upper

45 100

46 46.6 13.9 55.7



#14

Bromoethene

Concen: 0.382 ppbv

RT: 3.78 min Scan# 263

Delta R.T. -0.01 min

Lab File: VL033283.D

Acq: 12 Mar 2019 14:25

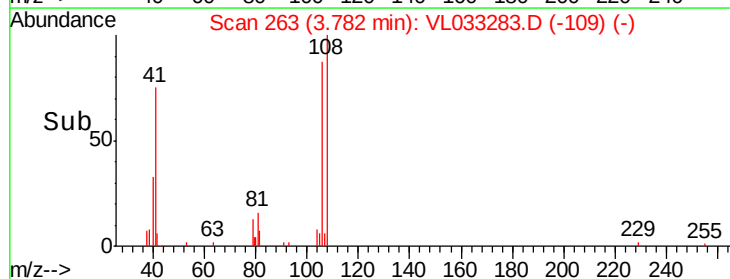
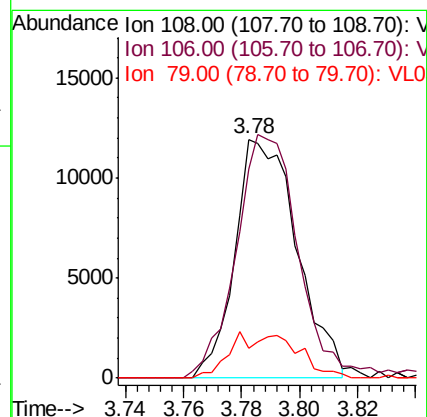
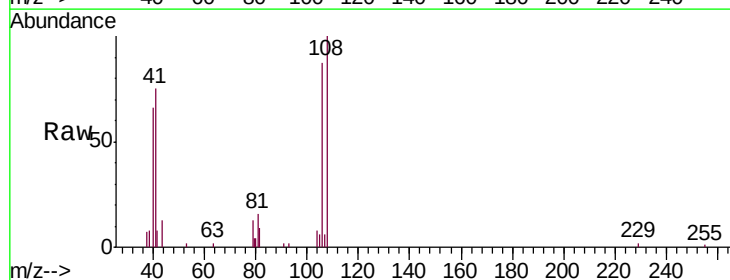
Tgt Ion: 108 Resp: 17747

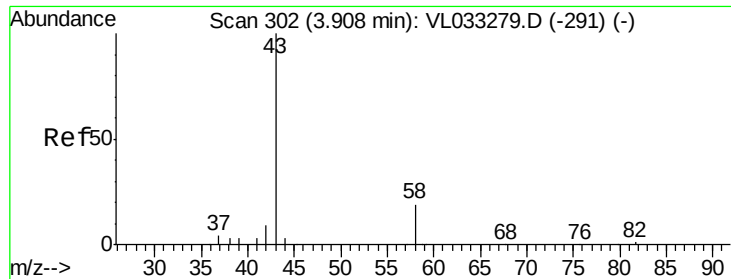
Ion Ratio Lower Upper

108 100

106 103.5 85.9 128.9

79 19.9 14.9 22.3





#15

Acetone

Concen: 0.395 ppbv

RT: 3.91 min Scan# 304

Delta R.T. 0.01 min

Lab File: VL033283.D

Acq: 12 Mar 2019 14:25

Instrument :

MSVOA_L

ClientSampleId :

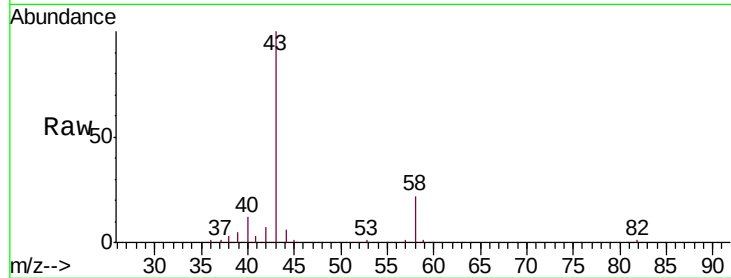
0.4 PPB MDL

Tgt Ion: 43 Resp: 52678

Ion Ratio Lower Upper

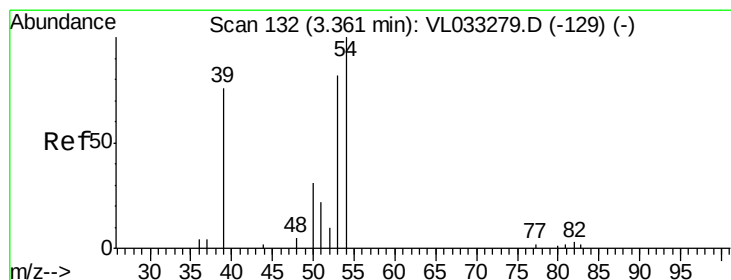
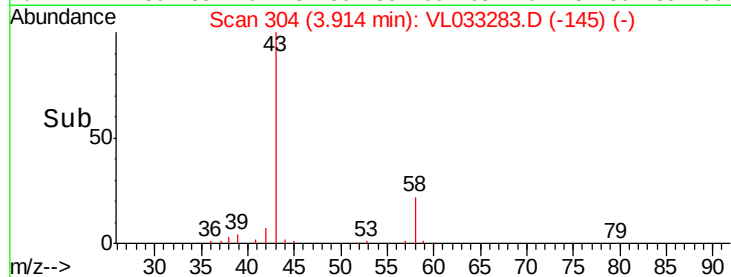
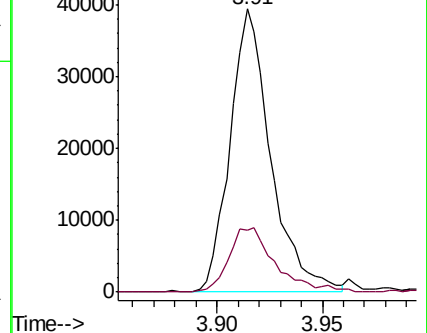
43 100

58 26.4 21.1 31.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 0.446 ppbv

RT: 3.36 min Scan# 132

Delta R.T. -0.00 min

Lab File: VL033283.D

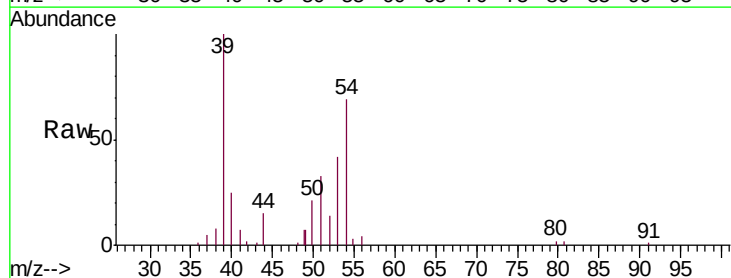
Acq: 12 Mar 2019 14:25

Tgt Ion: 39 Resp: 21467

Ion Ratio Lower Upper

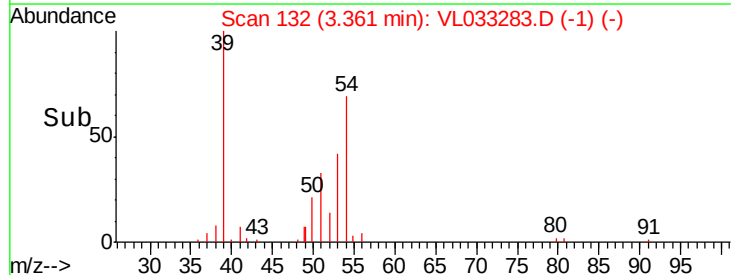
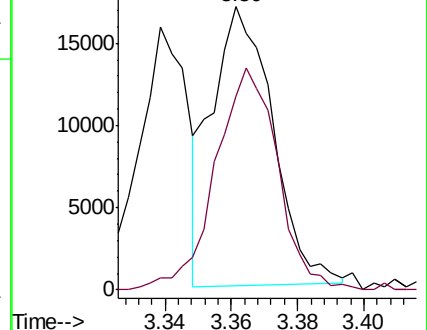
39 100

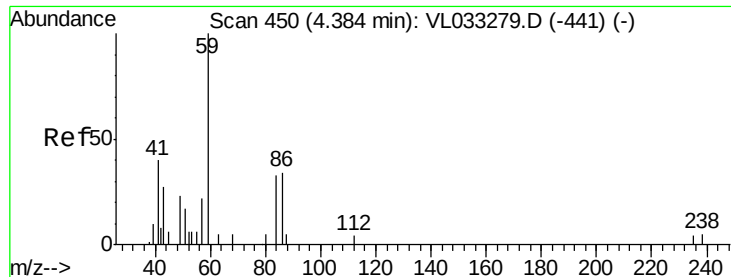
54 82.5 76.6 114.8



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

tert-Butyl alcohol

Concen: 0.029 ppbv

RT: 4.36 min Scan# 442

Delta R.T. 0.00 min

Lab File: VL033283.D

Acq: 12 Mar 2019 14:25

Instrument :

MSVOA_L

ClientSampleId :

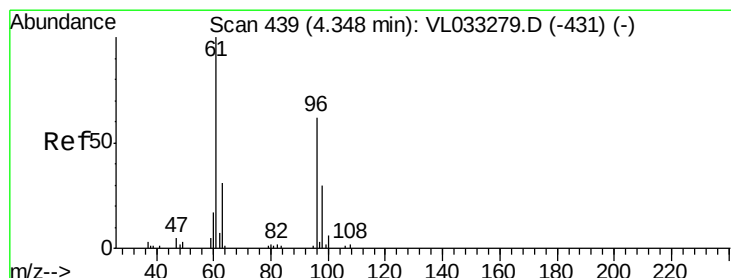
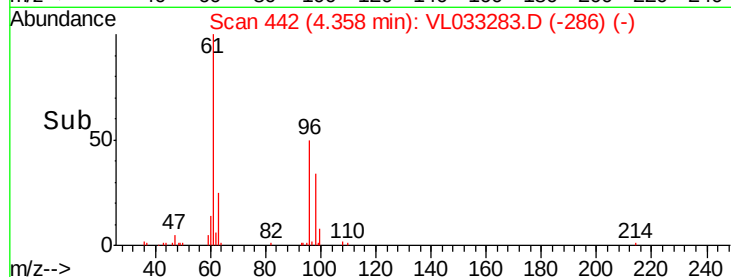
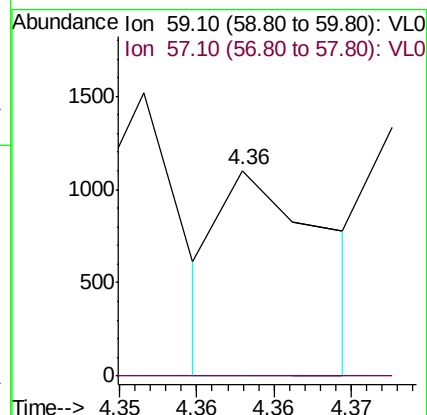
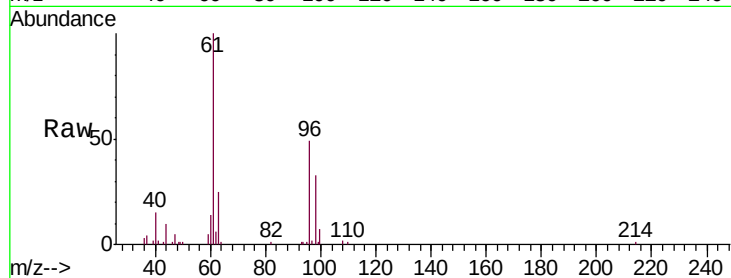
0.4 PPB MDL

Tgt Ion: 59 Resp: 521

Ion Ratio Lower Upper

59 100

57 0.0 7.5 11.3#



#18

1,1-Dichloroethene

Concen: 0.412 ppbv

RT: 4.35 min Scan# 439

Delta R.T. -0.01 min

Lab File: VL033283.D

Acq: 12 Mar 2019 14:25

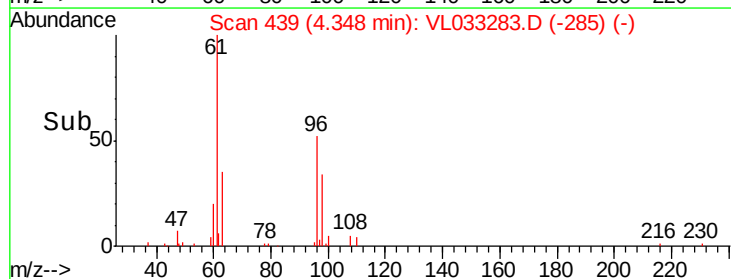
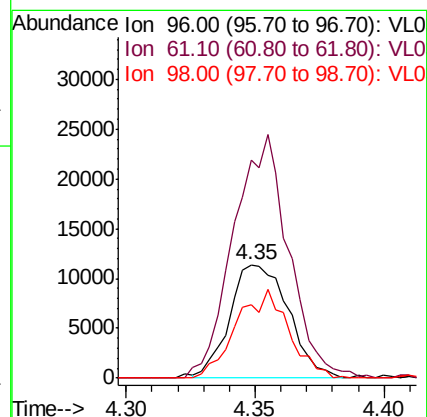
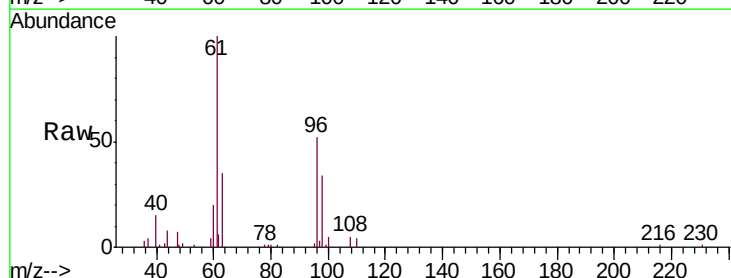
Tgt Ion: 96 Resp: 18144

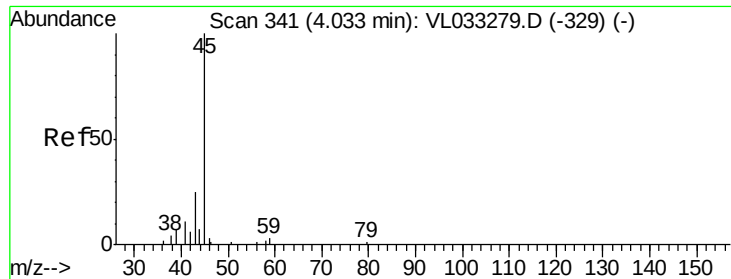
Ion Ratio Lower Upper

96 100

61 197.3 158.9 238.3

98 64.4 52.4 78.6





#19

Isopropyl Alcohol

Concen: 0.384 ppbv

RT: 4.04 min Scan# 343

Delta R.T. 0.02 min

Lab File: VL033283.D

Acq: 12 Mar 2019 14:25

Instrument :

MSVOA_L

ClientSampleId :

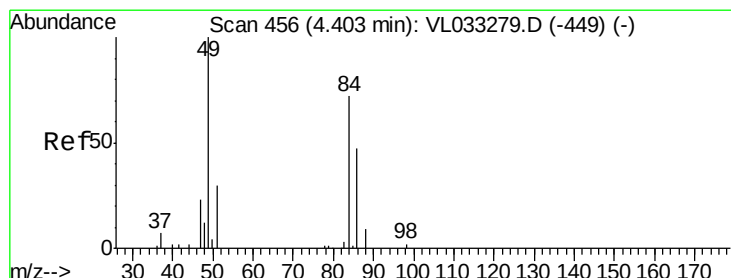
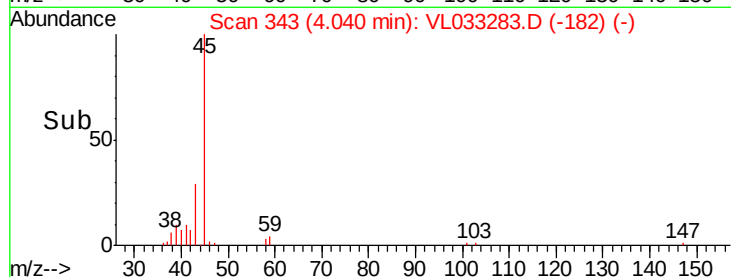
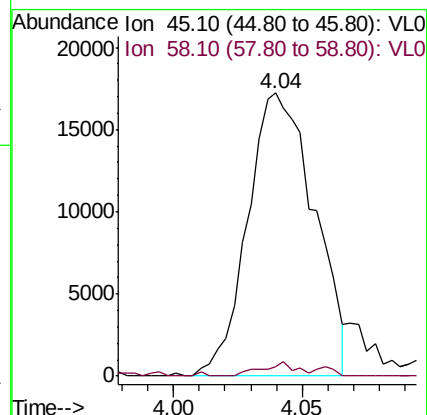
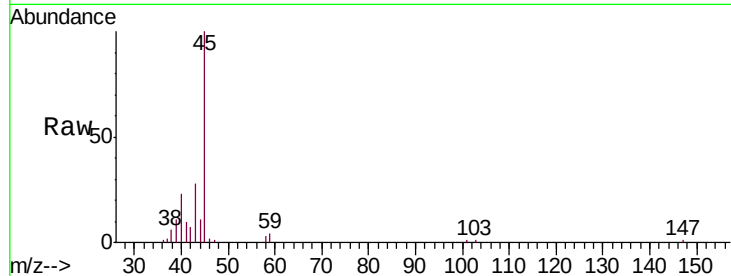
0.4 PPB MDL

Tgt Ion: 45 Resp: 30981

Ion Ratio Lower Upper

45 100

58 3.4 1.4 2.2#



#20

Methylene Chloride

Concen: 0.499 ppbv

RT: 4.41 min Scan# 458

Delta R.T. 0.00 min

Lab File: VL033283.D

Acq: 12 Mar 2019 14:25

Tgt Ion: 84 Resp: 22115

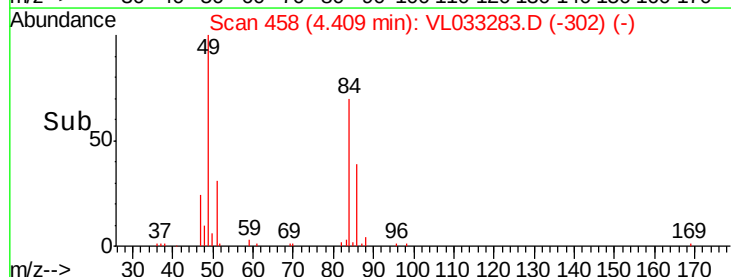
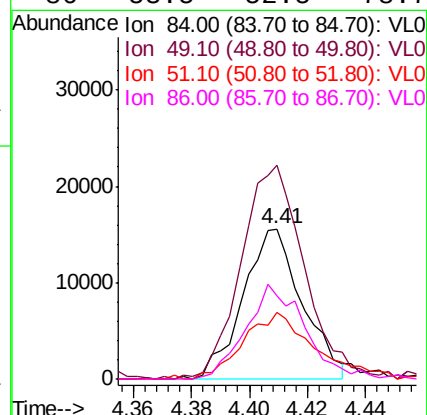
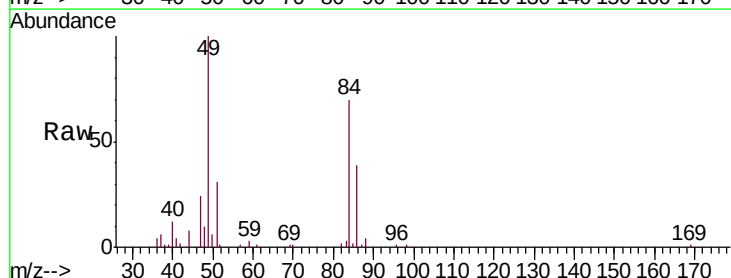
Ion Ratio Lower Upper

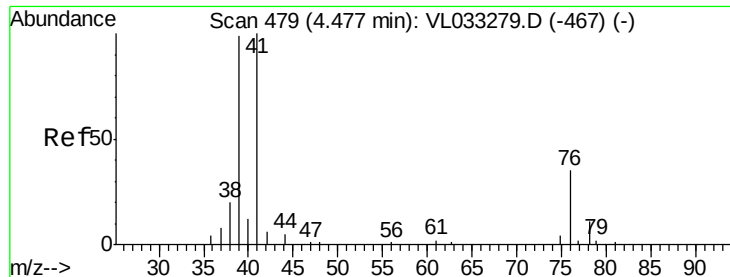
84 100

49 136.4 120.3 180.5

51 44.4 36.2 54.4

86 53.5 52.5 78.7





#21

Allyl Chloride

Concen: 0.400 ppbv

RT: 4.48 min Scan# 479

Delta R.T. -0.01 min

Lab File: VL033283.D

Acq: 12 Mar 2019 14:25

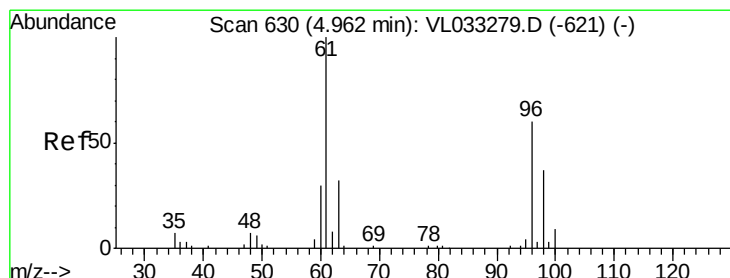
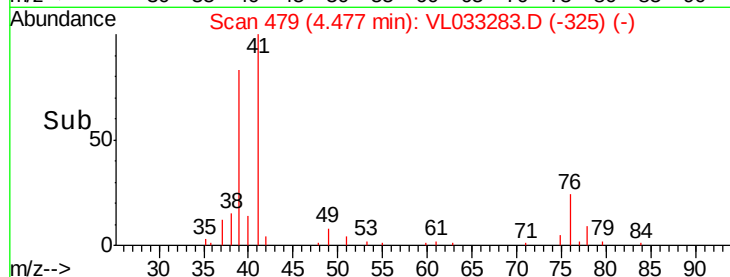
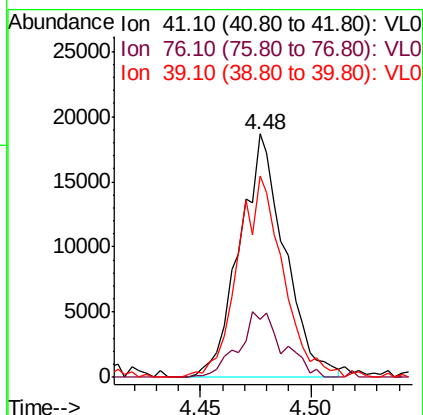
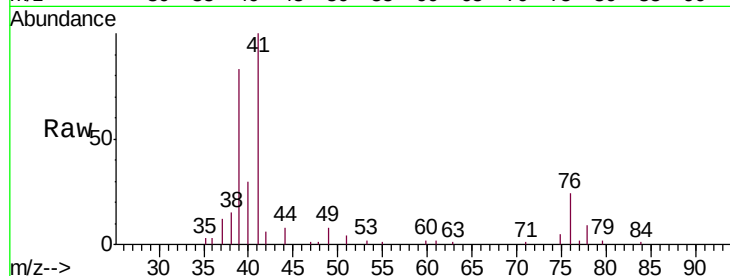
Instrument :

MSVOA_L

ClientSampleId :

0.4 PPB MDL

Tgt Ion:	41	Resp:	26555
Ion	Ratio	Lower	Upper
41	100		
76	26.5	25.0	37.4
39	83.4	64.2	96.4



#22

trans-1,2-Dichloroethene

Concen: 0.407 ppbv

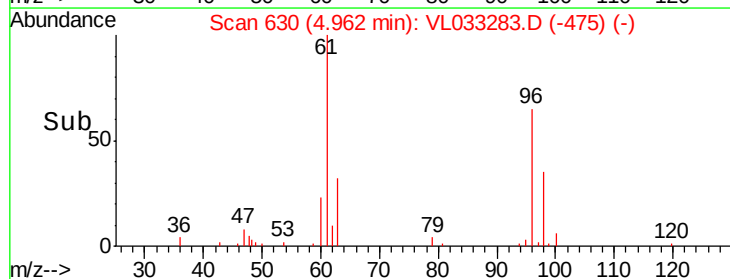
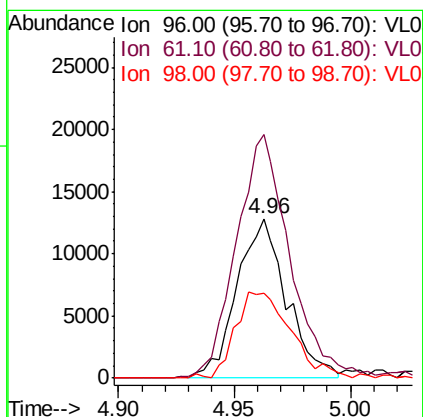
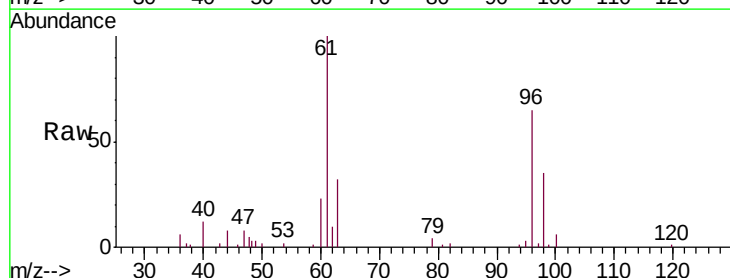
RT: 4.96 min Scan# 630

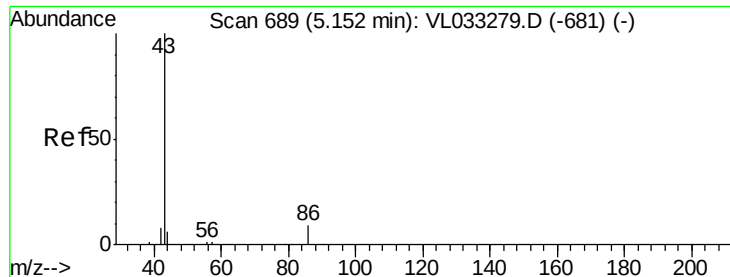
Delta R.T. -0.00 min

Lab File: VL033283.D

Acq: 12 Mar 2019 14:25

Tgt Ion:	96	Resp:	19096
Ion	Ratio	Lower	Upper
96	100		
61	151.3	131.6	197.4
98	53.4	54.1	81.1#

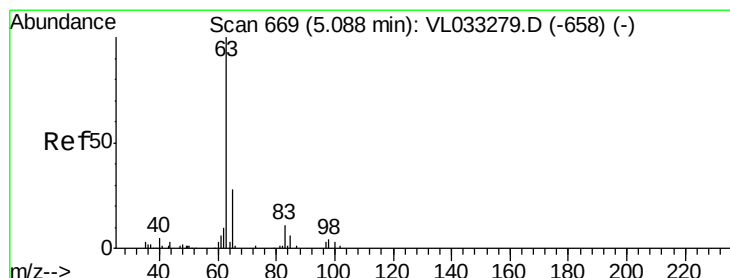
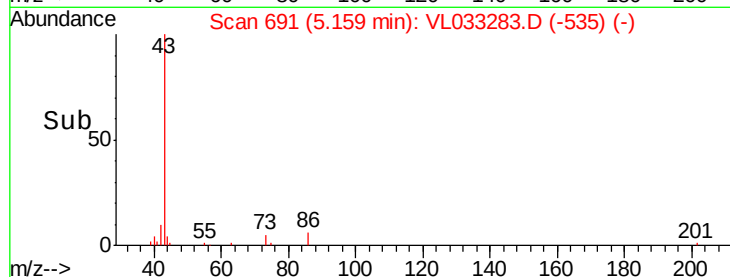
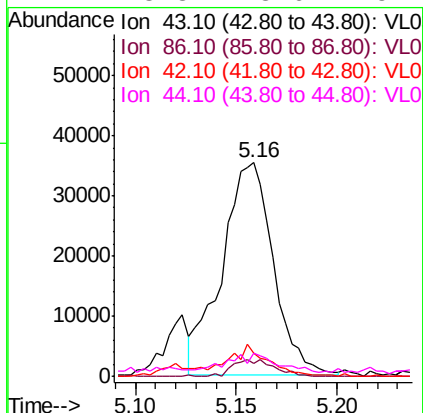
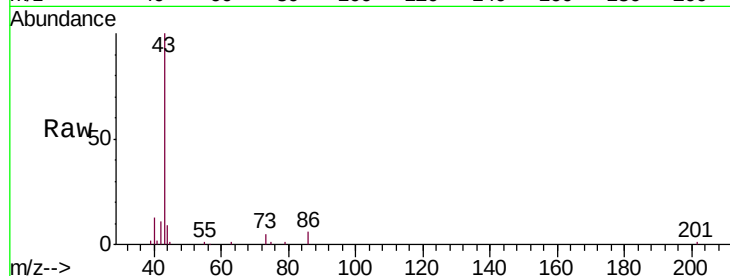




#23
 Vinyl Acetate
 Concen: 0.379 ppbv
 RT: 5.16 min Scan# 691
 Delta R.T. 0.00 min
 Lab File: VL033283.D
 Acq: 12 Mar 2019 14:25

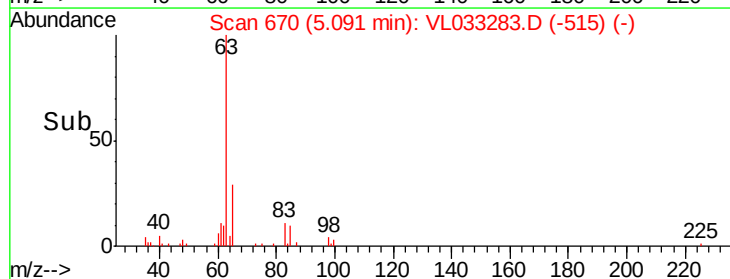
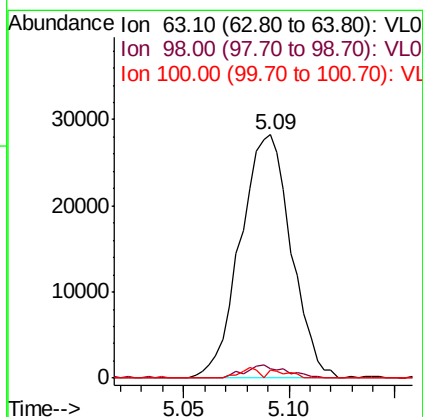
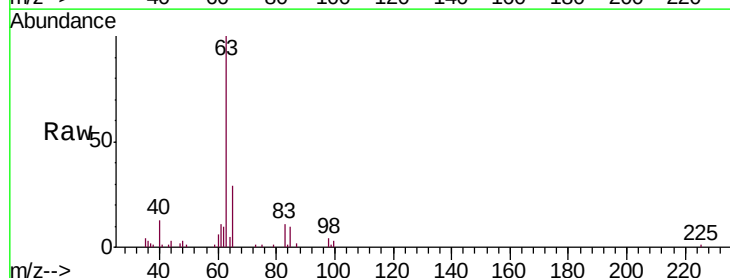
Instrument :
 MSVOA_L
 ClientSampleId :
 0.4 PPB MDL

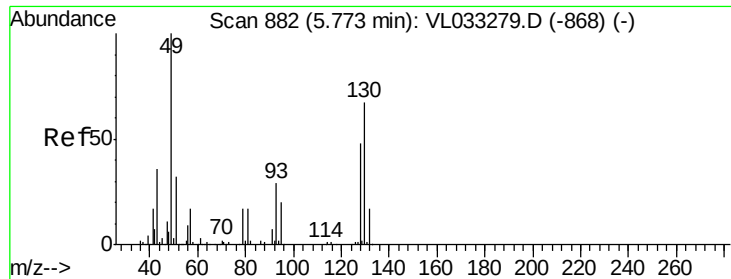
Tgt Ion:	43	Resp:	63354
Ion	Ratio	Lower	Upper
43	100		
86	6.2	5.5	8.3
42	11.0	7.8	11.6
44	8.3	3.6	5.4#



#24
 1,1-Dichloroethane
 Concen: 0.389 ppbv
 RT: 5.09 min Scan# 670
 Delta R.T. -0.00 min
 Lab File: VL033283.D
 Acq: 12 Mar 2019 14:25

Tgt Ion:	63	Resp:	47184
Ion	Ratio	Lower	Upper
63	100		
98	4.0	2.2	6.6
100	3.1	1.5	4.4

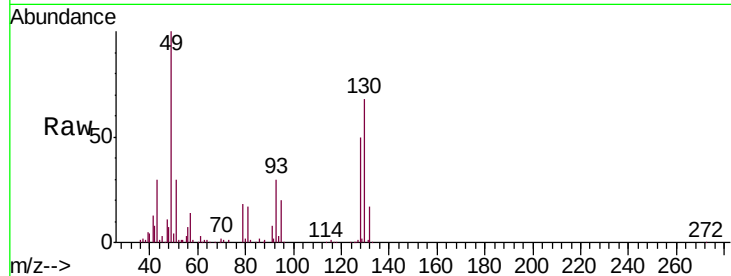




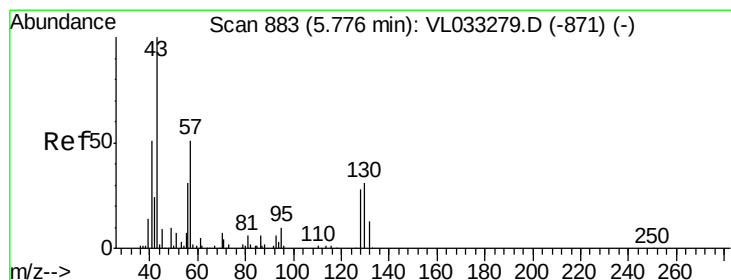
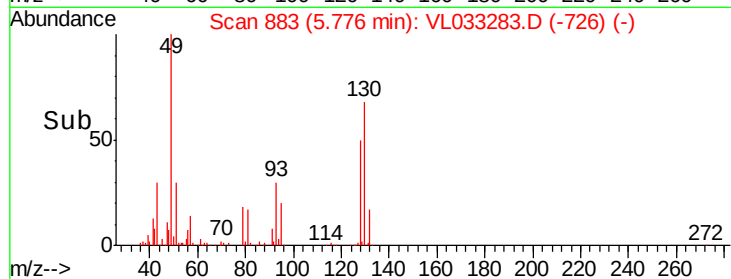
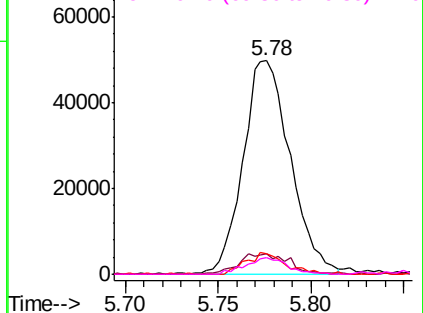
#25
Ethyl Acetate
Concen: 0.429 ppbv
RT: 5.78 min Scan# 883
Delta R.T. 0.00 min
Lab File: VL033283.D
Acq: 12 Mar 2019 14:25

Instrument :
MSVOA_L
ClientSampleId :
0.4 PPB MDL

Tgt Ion:	43	Resp:	88124
Ion	Ratio	Lower	Upper
43	100		
45	10.1	7.8	11.6
61	8.4	7.3	10.9
70	6.8	5.8	8.6

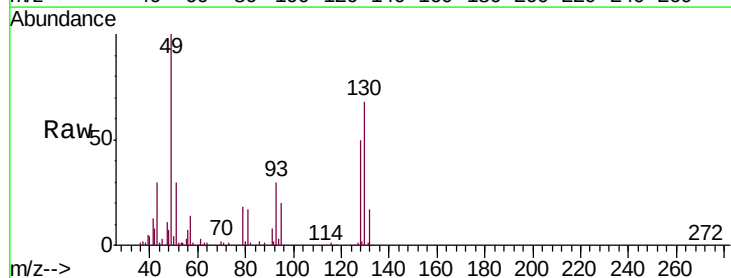


Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0

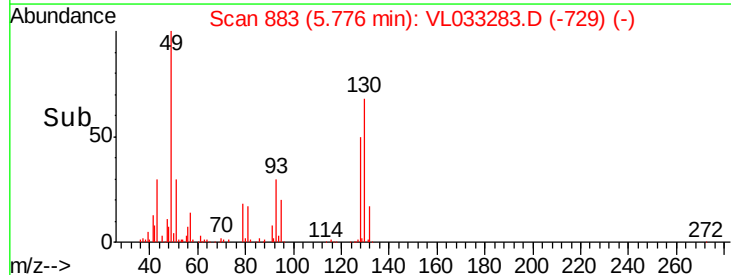
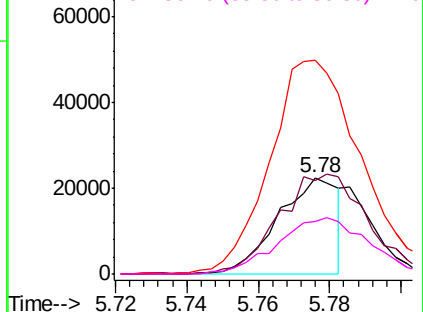


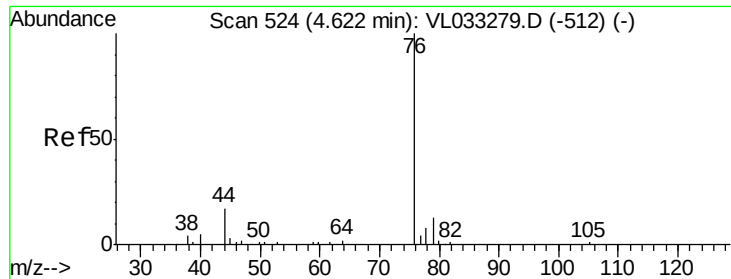
#26
Hexane
Concen: 0.274 ppbv
RT: 5.78 min Scan# 883
Delta R.T. -0.01 min
Lab File: VL033283.D
Acq: 12 Mar 2019 14:25

Tgt Ion:	57	Resp:	26408
Ion	Ratio	Lower	Upper
57	100		
41	152.4	70.7	106.1#
43	339.8	178.6	267.8#
56	87.6	41.3	61.9#



Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

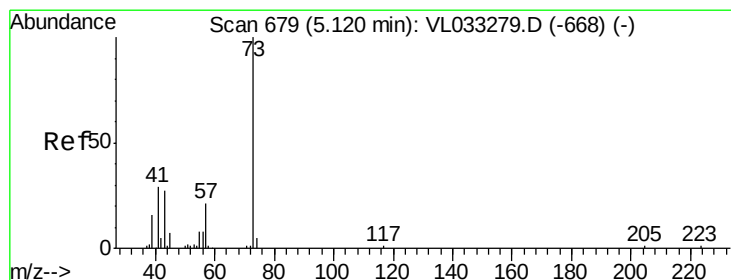
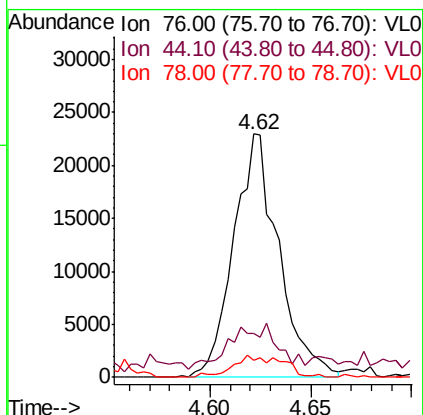
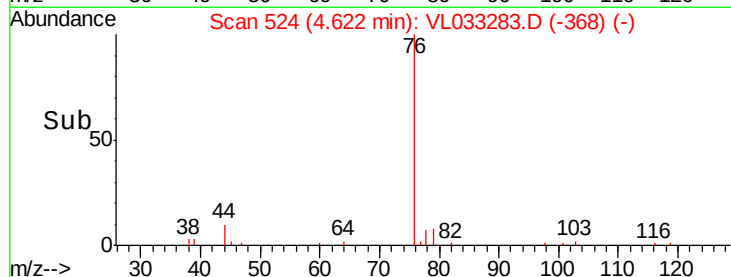
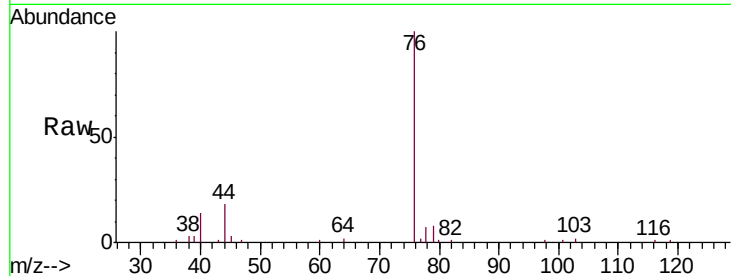




#27
Carbon Disulfide
Concen: 0.350 ppbv
RT: 4.62 min Scan# 524
Delta R.T. 0.00 min
Lab File: VL033283.D
Acq: 12 Mar 2019 14:25

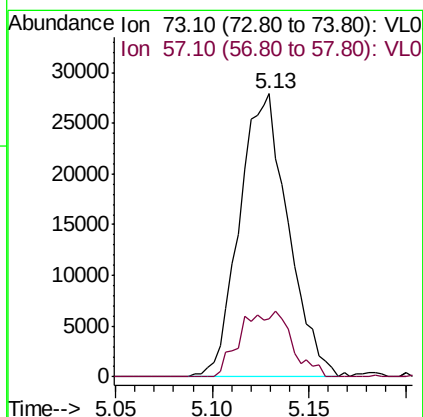
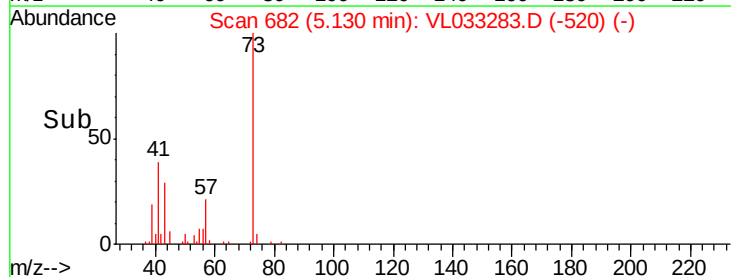
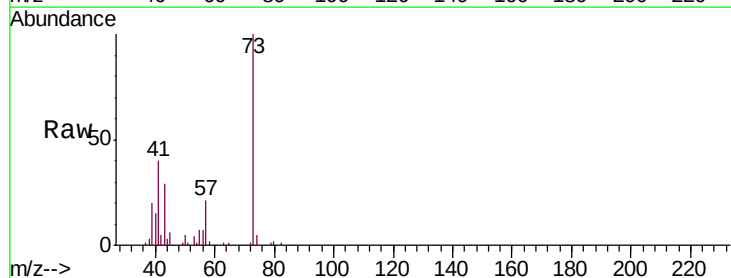
Instrument :
MSVOA_L
ClientSampleId :
0.4 PPB MDL

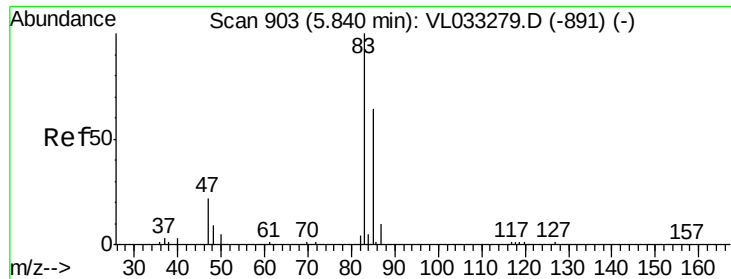
Tgt Ion: 76 Resp: 35837
Ion Ratio Lower Upper
76 100
44 26.3 15.1 22.7#
78 10.5 7.4 11.0



#28
Methyl tert-Butyl Ether
Concen: 0.357 ppbv
RT: 5.13 min Scan# 682
Delta R.T. 0.02 min
Lab File: VL033283.D
Acq: 12 Mar 2019 14:25

Tgt Ion: 73 Resp: 48874
Ion Ratio Lower Upper
73 100
57 24.3 17.9 26.9

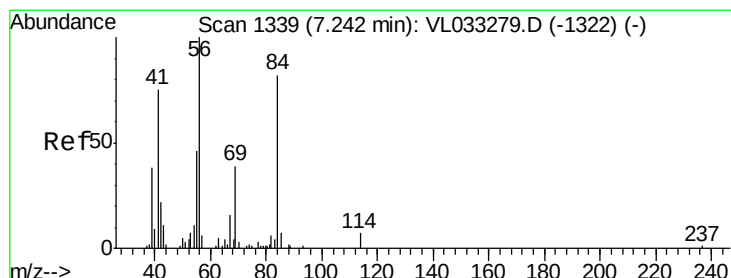
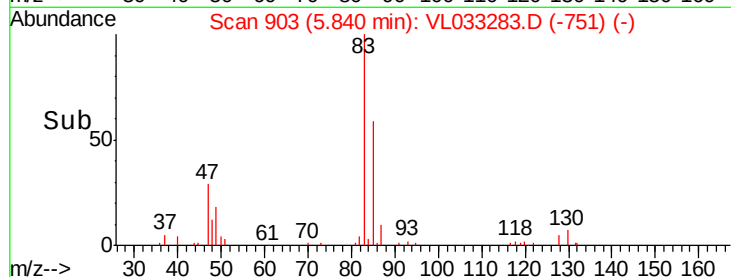
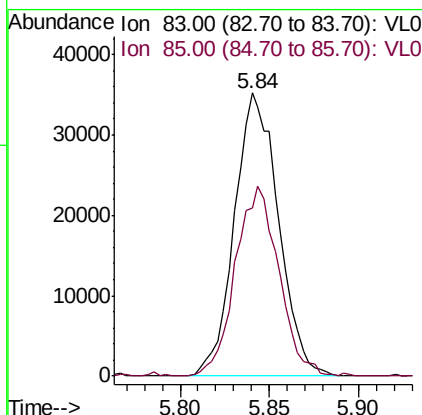
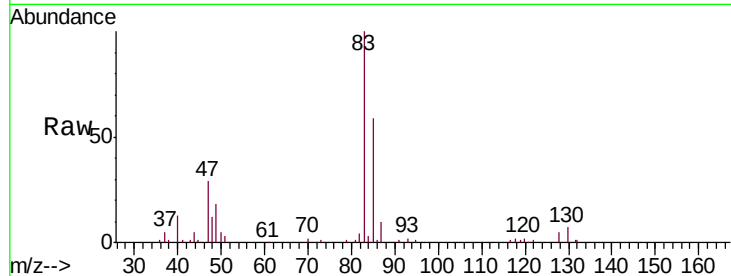




#29
Chloroform
Concen: 0.412 ppbv
RT: 5.84 min Scan# 903
Delta R.T. -0.01 min
Lab File: VL033283.D
Acq: 12 Mar 2019 14:25

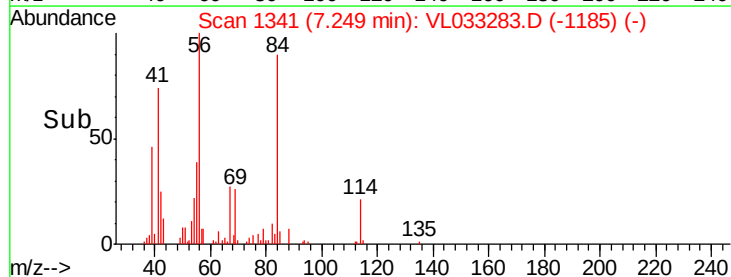
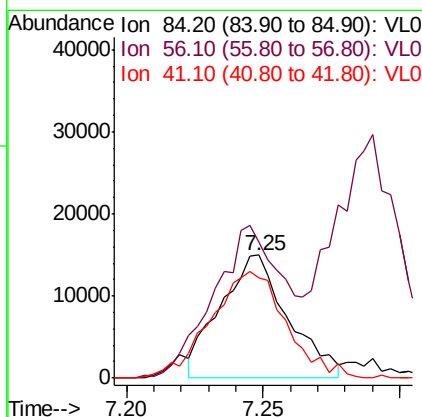
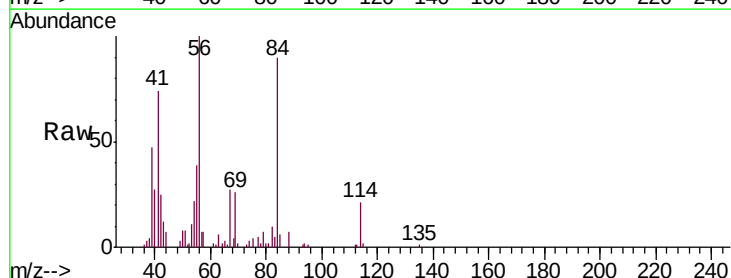
Instrument :
MSVOA_L
ClientSampleId :
0.4 PPB MDL

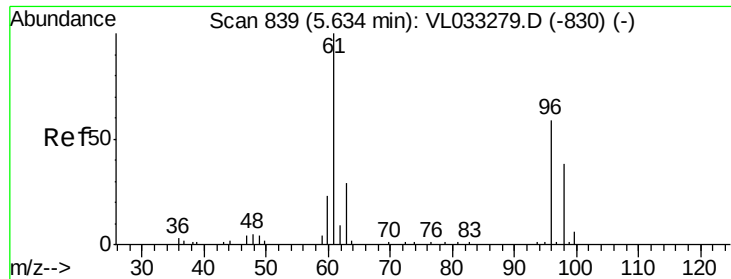
Tgt Ion: 83 Resp: 60547
Ion Ratio Lower Upper
83 100
85 59.2 52.5 78.7



#30
Cyclohexane
Concen: 0.345 ppbv
RT: 7.25 min Scan# 1341
Delta R.T. 0.00 min
Lab File: VL033283.D
Acq: 12 Mar 2019 14:25

Tgt Ion: 84 Resp: 25836
Ion Ratio Lower Upper
84 100
56 130.6 112.0 168.0
41 97.0 69.9 104.9





#31

cis-1,2-Dichloroethene

Concen: 0.396 ppbv

RT: 5.64 min Scan# 840

Delta R.T. -0.01 min

Lab File: VL033283.D

Acq: 12 Mar 2019 14:25

Instrument :

MSVOA_L

ClientSampleId :

0.4 PPB MDL

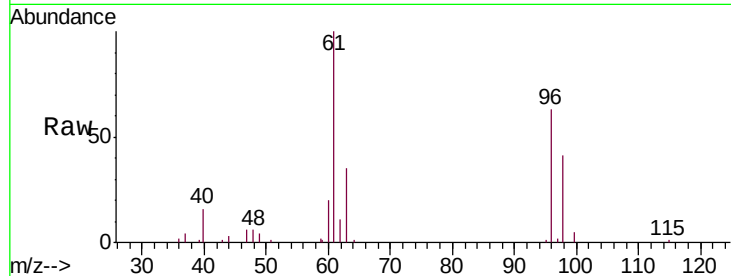
Tgt Ion: 61 Resp: 36657

Ion Ratio Lower Upper

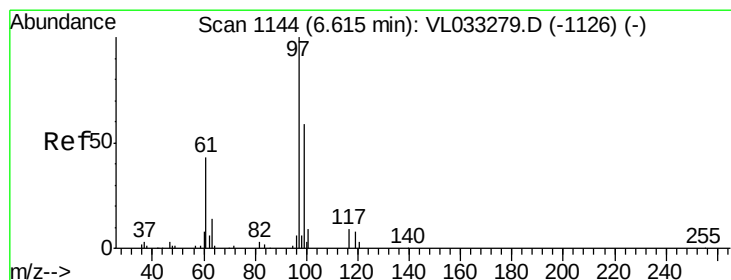
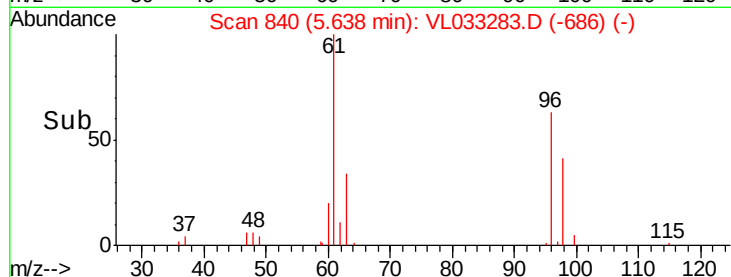
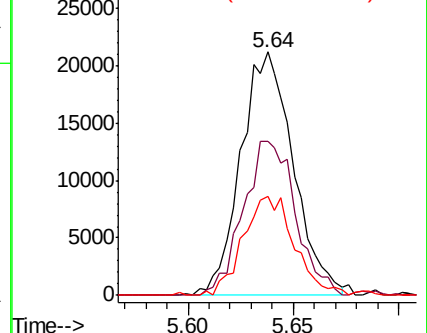
61 100

96 63.2 51.8 77.8

98 40.6 32.9 49.3



Abundance Ion 61.10 (60.80 to 61.80): VL0
Ion 96.00 (95.70 to 96.70): VL0
Ion 98.00 (97.70 to 98.70): VL0



#32

1,1,1-Trichloroethane

Concen: 0.385 ppbv

RT: 6.62 min Scan# 1144

Delta R.T. -0.01 min

Lab File: VL033283.D

Acq: 12 Mar 2019 14:25

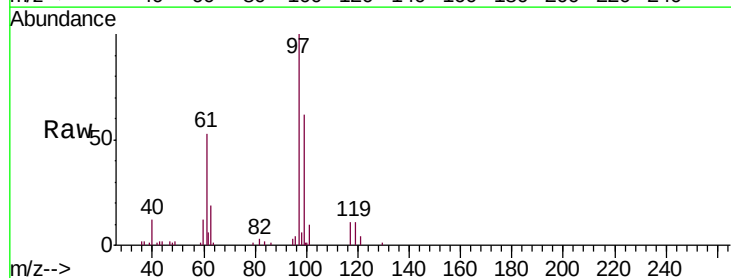
Tgt Ion: 97 Resp: 55109

Ion Ratio Lower Upper

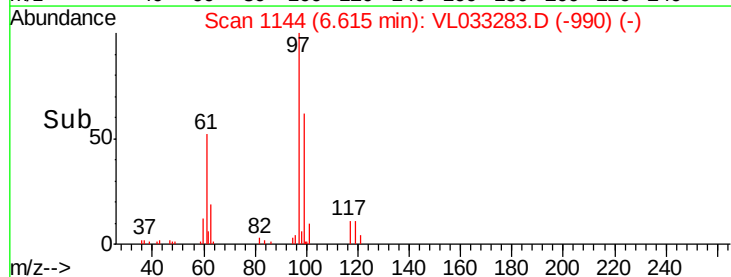
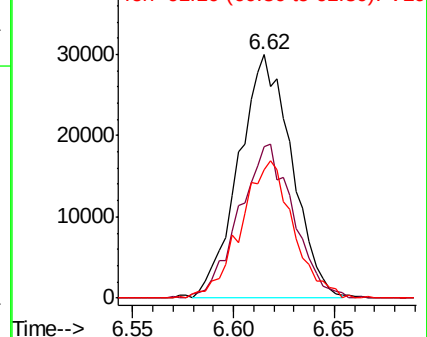
97 100

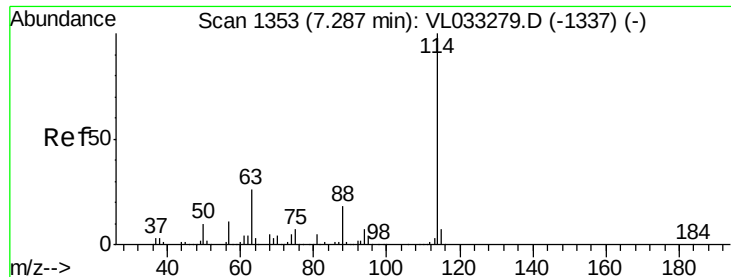
99 64.2 51.7 77.5

61 55.8 39.7 59.5



Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0

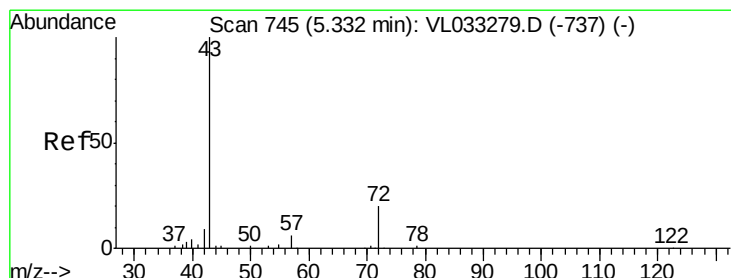
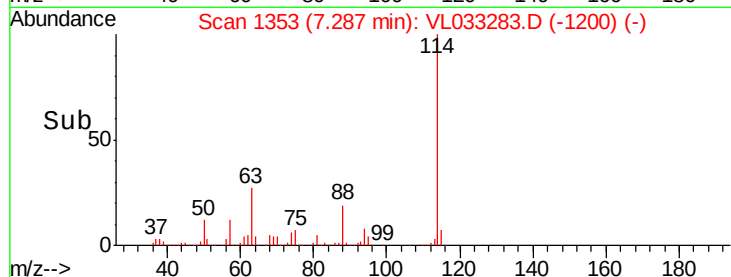
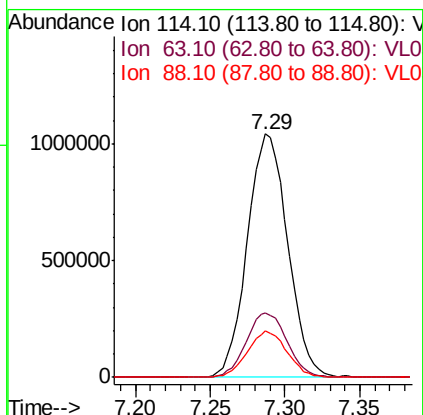
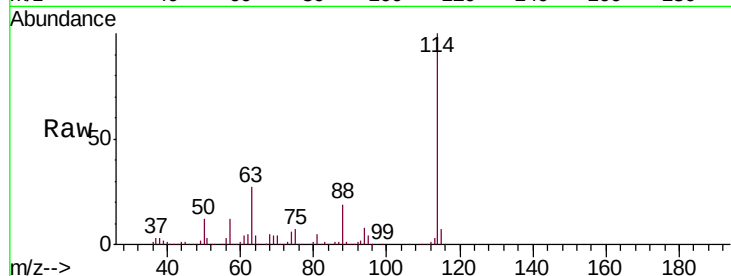




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1353
 Delta R.T. -0.01 min
 Lab File: VL033283.D
 Acq: 12 Mar 2019 14:25

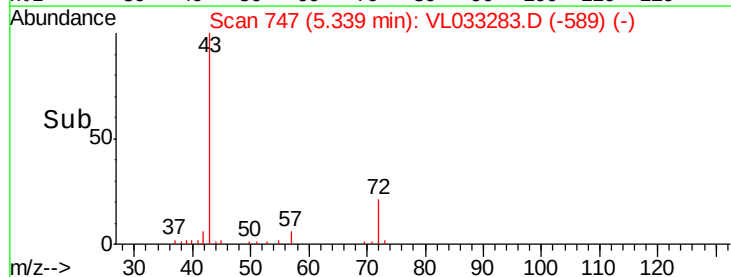
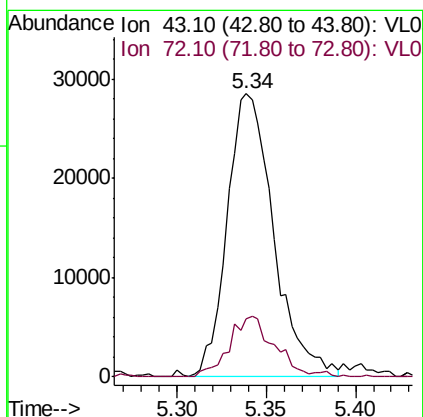
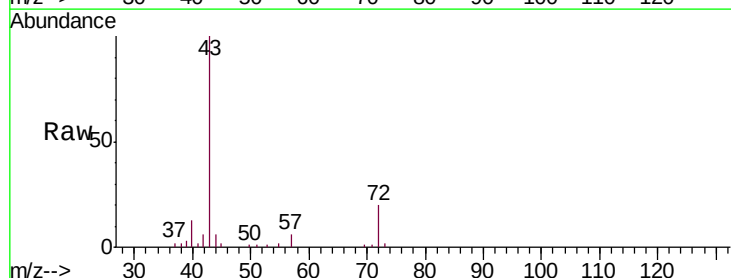
Instrument :
 MSVOA_L
 ClientSampleId :
 0.4 PPB MDL

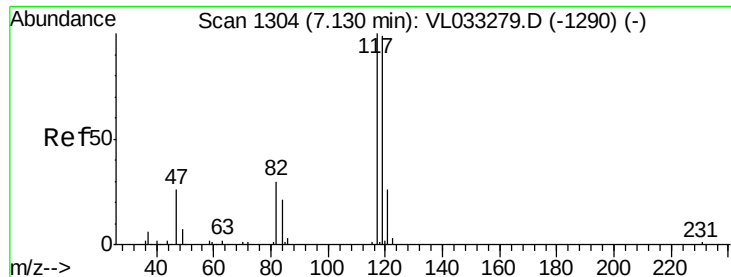
Tgt Ion:114 Resp: 1958569
 Ion Ratio Lower Upper
 114 100
 63 27.0 21.5 32.3
 88 18.7 14.6 22.0



#34
 2-Butanone
 Concen: 0.402 ppbv
 RT: 5.34 min Scan# 747
 Delta R.T. 0.01 min
 Lab File: VL033283.D
 Acq: 12 Mar 2019 14:25

Tgt Ion: 43 Resp: 52038
 Ion Ratio Lower Upper
 43 100
 72 21.1 17.0 25.6





#35

Carbon Tetrachloride

Concen: 0.241 ppbv

RT: 7.13 min Scan# 1305

Delta R.T. -0.01 min

Lab File: VL033283.D

Acq: 12 Mar 2019 14:25

Instrument :

MSVOA_L

ClientSampleId :

0.4 PPB MDL

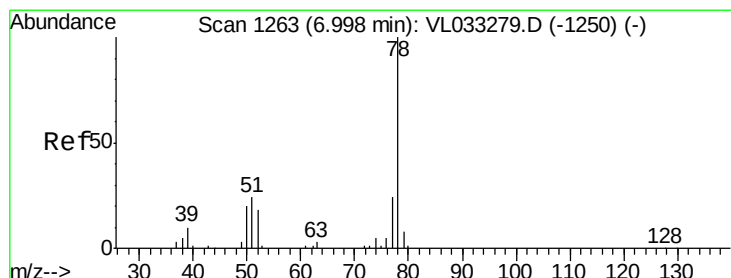
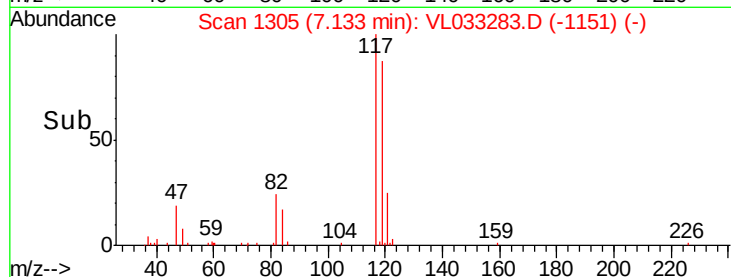
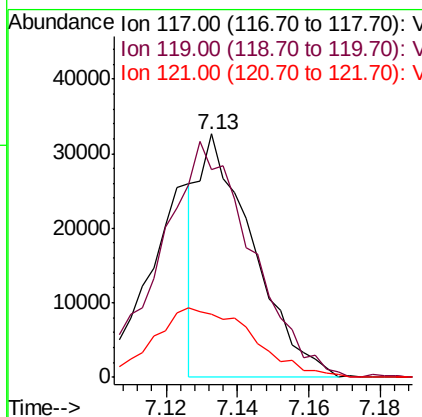
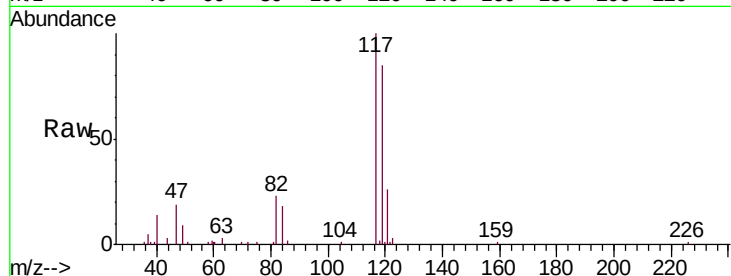
Tgt Ion:117 Resp: 34482

Ion Ratio Lower Upper

117 100

119 83.1 77.4 116.0

121 24.8 24.9 37.3#



#36

Benzene

Concen: 0.396 ppbv

RT: 7.00 min Scan# 1265

Delta R.T. -0.00 min

Lab File: VL033283.D

Acq: 12 Mar 2019 14:25

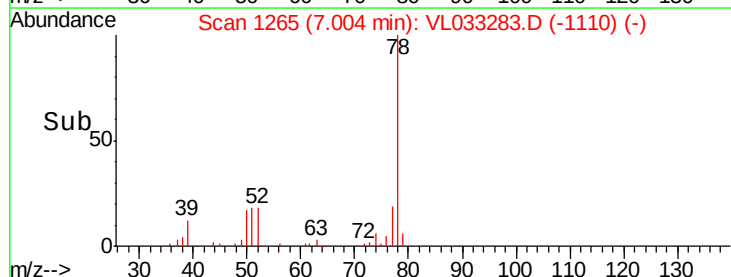
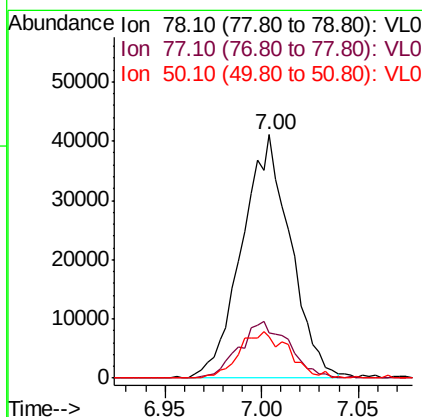
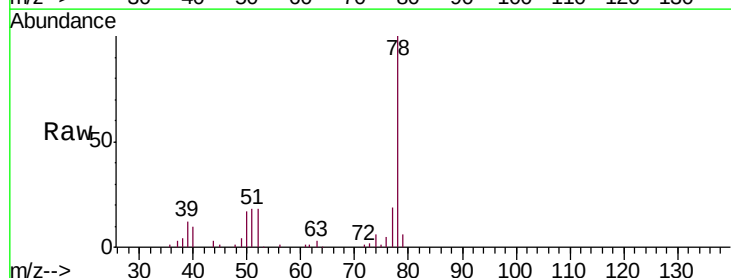
Tgt Ion: 78 Resp: 71565

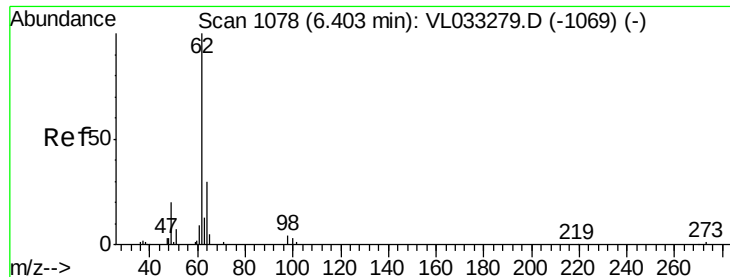
Ion Ratio Lower Upper

78 100

77 18.7 17.7 26.5

50 17.1 15.7 23.5

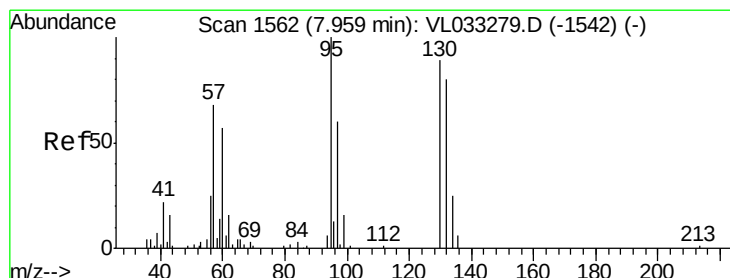
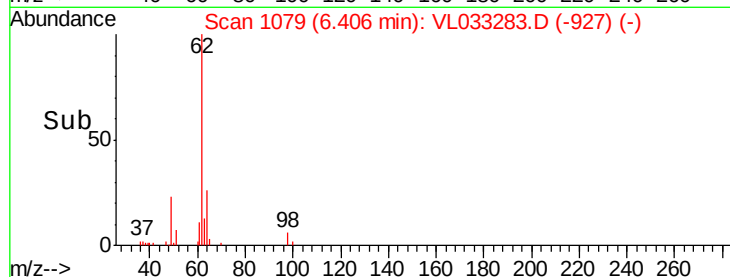
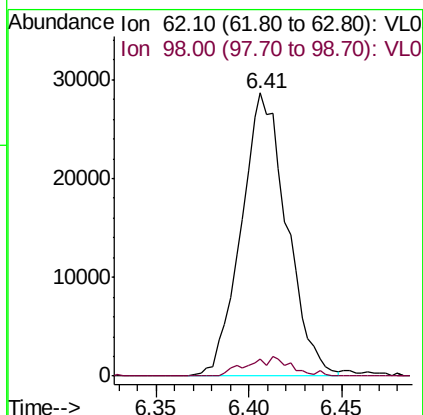
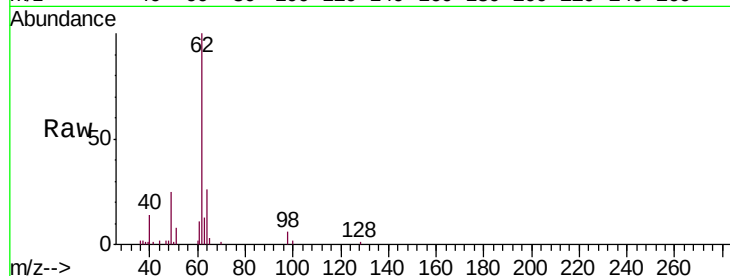




#37
 1,2-Dichloroethane
 Concen: 0.453 ppbv
 RT: 6.41 min Scan# 1079
 Delta R.T. -0.01 min
 Lab File: VL033283.D
 Acq: 12 Mar 2019 14:25

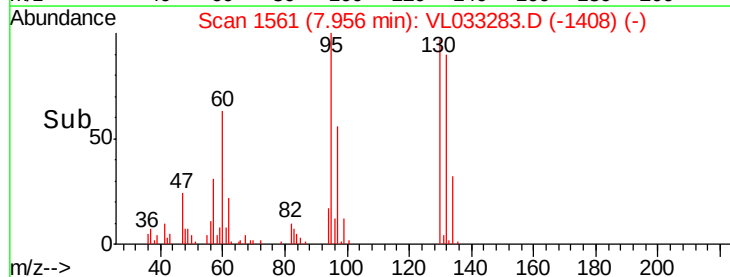
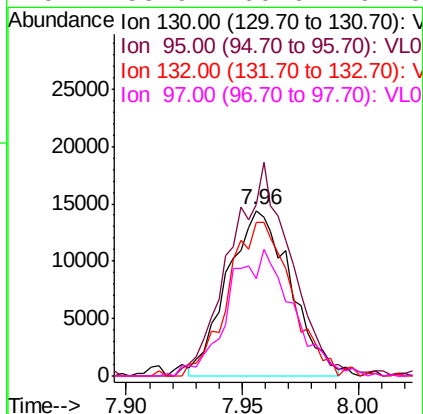
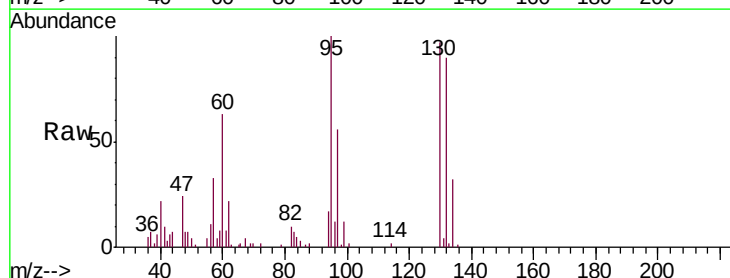
Instrument :
 MSVOA_L
 ClientSampleId :
 0.4 PPB MDL

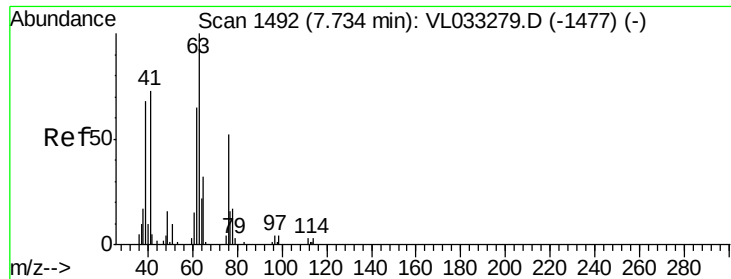
Tgt Ion: 62 Resp: 49051
 Ion Ratio Lower Upper
 62 100
 98 6.5 4.5 6.7



#38
 Trichloroethene
 Concen: 0.388 ppbv
 RT: 7.96 min Scan# 1561
 Delta R.T. -0.01 min
 Lab File: VL033283.D
 Acq: 12 Mar 2019 14:25

Tgt Ion: 130 Resp: 27324
 Ion Ratio Lower Upper
 130 100
 95 100.5 93.3 139.9
 132 96.3 75.4 113.2
 97 55.9 60.6 91.0#

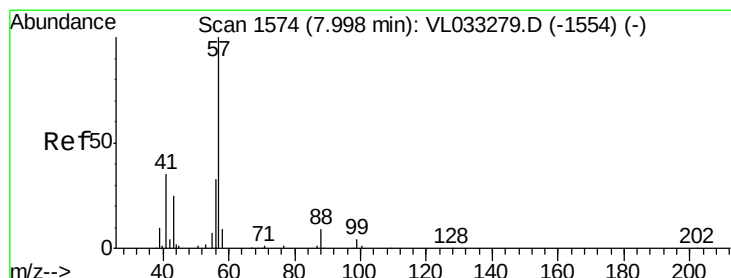
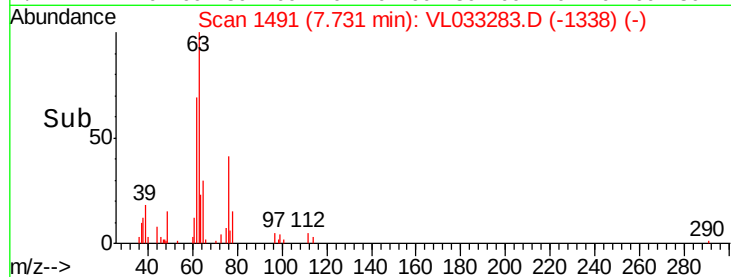
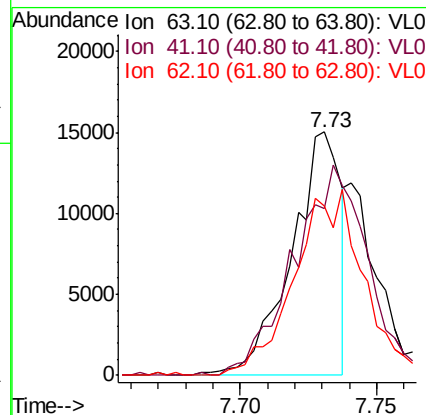
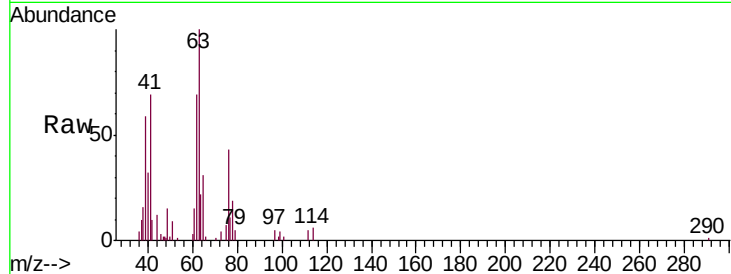




#39
 1,2-Dichloropropane
 Concen: 0.276 ppbv
 RT: 7.73 min Scan# 1491
 Delta R.T. -0.01 min
 Lab File: VL033283.D
 Acq: 12 Mar 2019 14:25

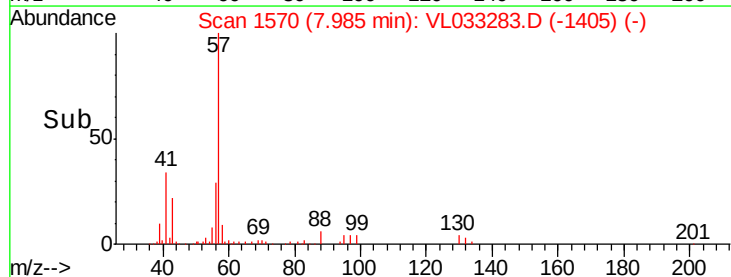
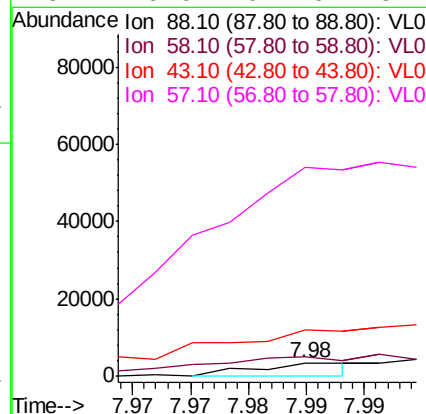
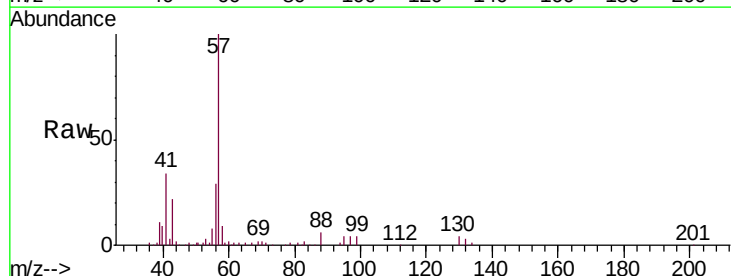
Instrument :
 MSVOA_L
 ClientSampleId :
 0.4 PPB MDL

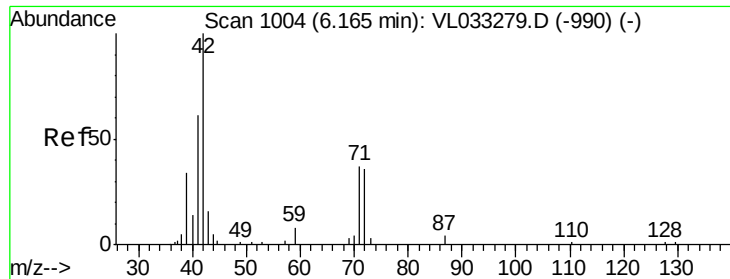
Tgt Ion: 63 Resp: 18736
 Ion Ratio Lower Upper
 63 100
 41 56.0 58.3 87.5#
 62 56.7 55.3 82.9



#40
 1,4-Dioxane
 Concen: 0.079 ppbv
 RT: 7.98 min Scan# 1570
 Delta R.T. 0.03 min
 Lab File: VL033283.D
 Acq: 12 Mar 2019 14:25

Tgt Ion: 88 Resp: 2010
 Ion Ratio Lower Upper
 88 100
 58 0.0 107.0 160.6#
 43 0.0 230.2 345.4#
 57 0.0 1014.9 1522.3#





#41

Tetrahydrofuran

Concen: 0.169 ppbv

RT: 6.17 min Scan# 1005

Delta R.T. 0.02 min

Lab File: VL033283.D

Acq: 12 Mar 2019 14:25

Instrument :

MSVOA_L

ClientSampleId :

0.4 PPB MDL

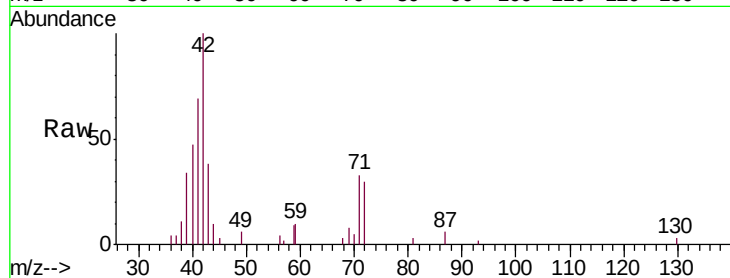
Tgt Ion: 42 Resp: 12181

Ion Ratio Lower Upper

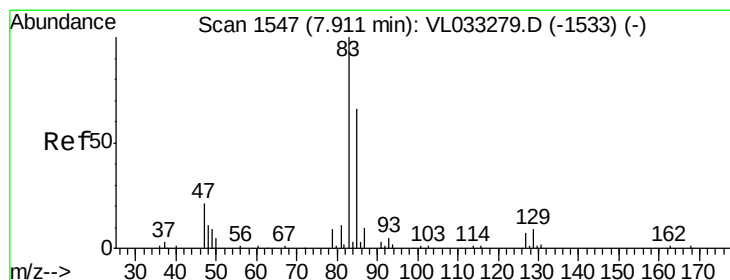
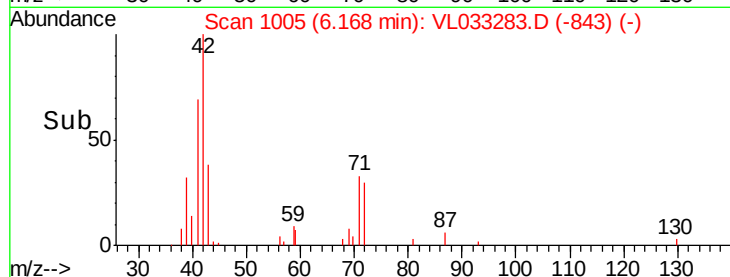
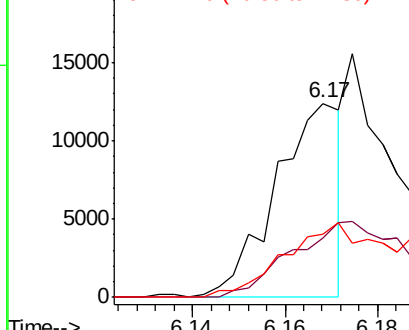
42 100

72 0.0 30.6 46.0#

71 0.0 29.7 44.5#



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: 0.249 ppbv

RT: 7.91 min Scan# 1548

Delta R.T. -0.01 min

Lab File: VL033283.D

Acq: 12 Mar 2019 14:25

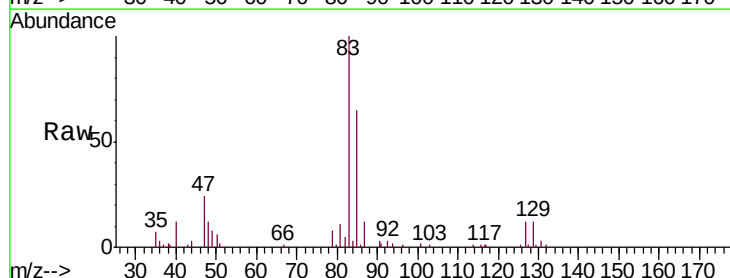
Tgt Ion: 83 Resp: 37201

Ion Ratio Lower Upper

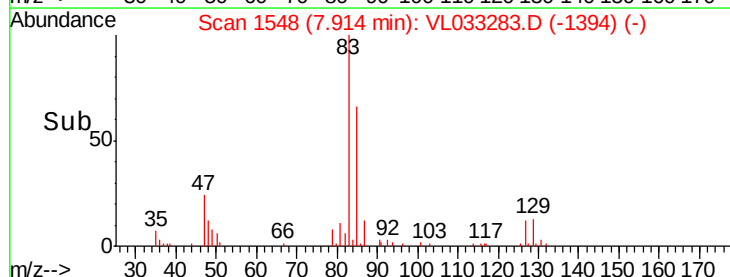
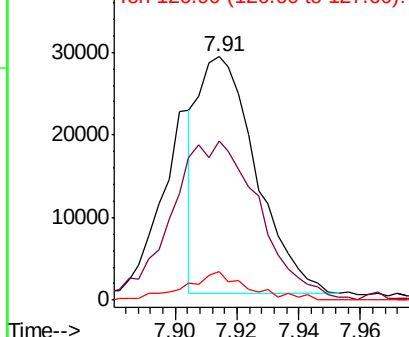
83 100

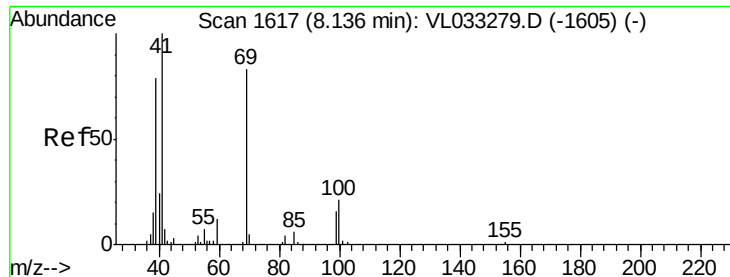
85 65.6 51.0 76.4

127 12.6 6.0 9.0#



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

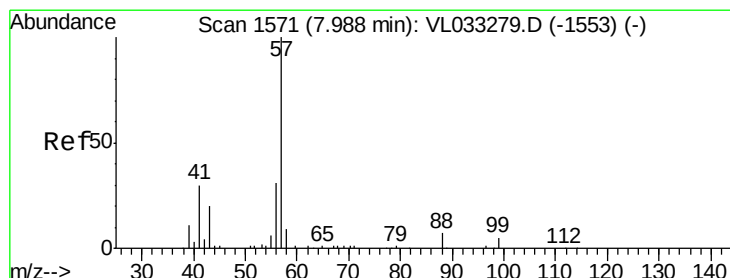
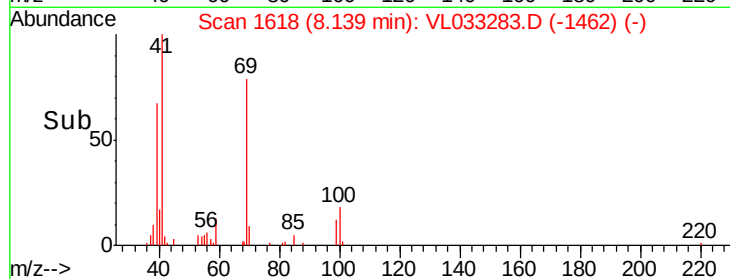
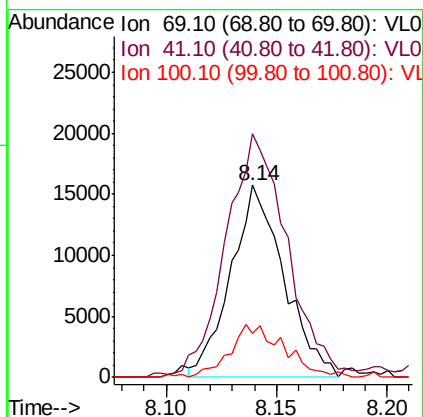
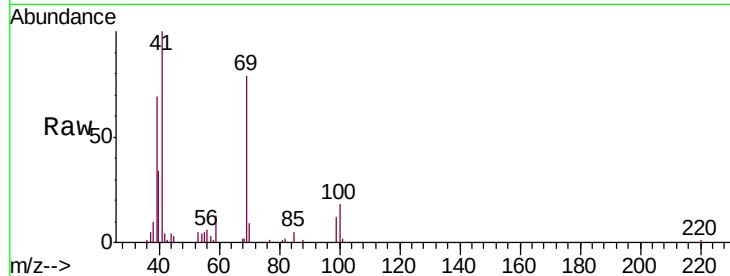




#43
Methyl Methacrylate
Concen: 0.374 ppbv
RT: 8.14 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VL033283.D
Acq: 12 Mar 2019 14:25

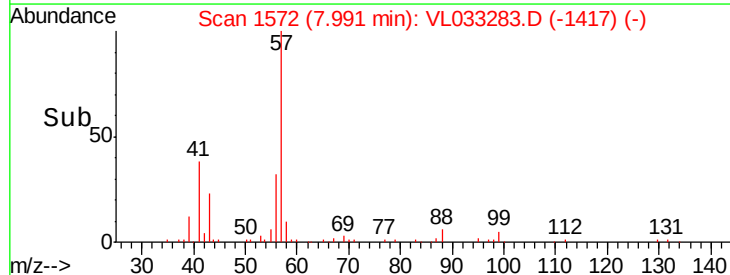
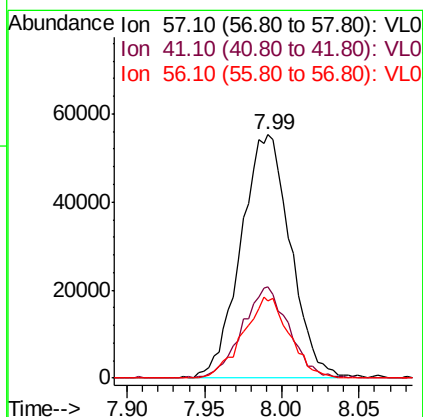
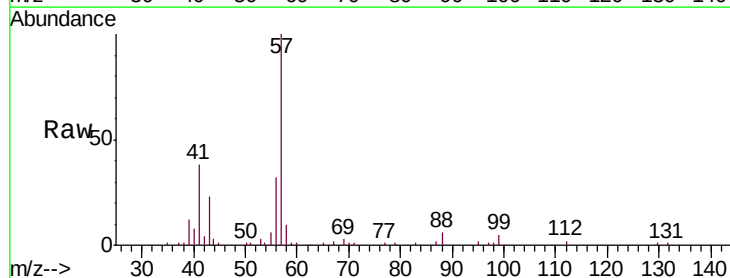
Instrument :
MSVOA_L
ClientSampleId :
0.4 PPB MDL

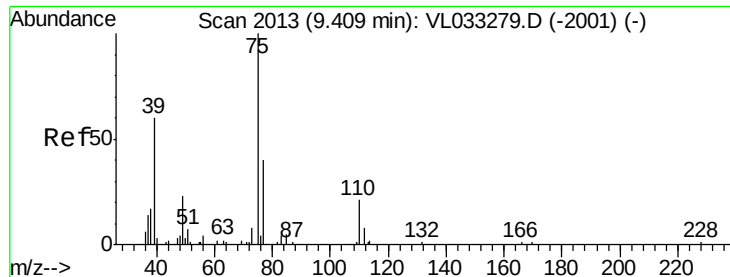
Tgt Ion: 69 Resp: 26330
Ion Ratio Lower Upper
69 100
41 146.2 121.0 181.4
100 28.8 24.4 36.6



#44
2,2,4-Trimethylpentane
Concen: 0.401 ppbv
RT: 7.99 min Scan# 1572
Delta R.T. -0.00 min
Lab File: VL033283.D
Acq: 12 Mar 2019 14:25

Tgt Ion: 57 Resp: 123056
Ion Ratio Lower Upper
57 100
41 35.6 26.2 39.2
56 31.3 24.8 37.2

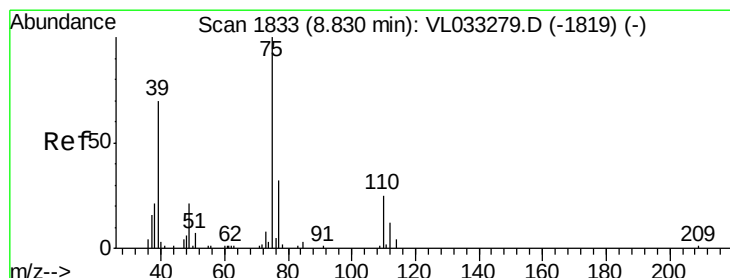
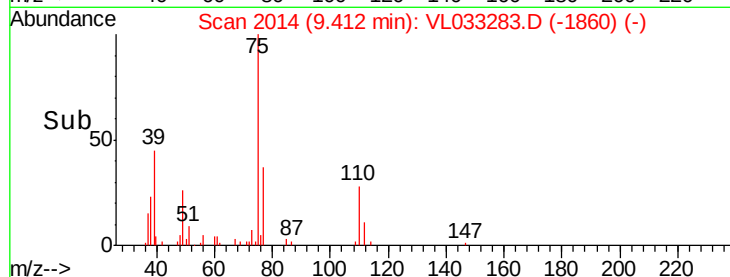
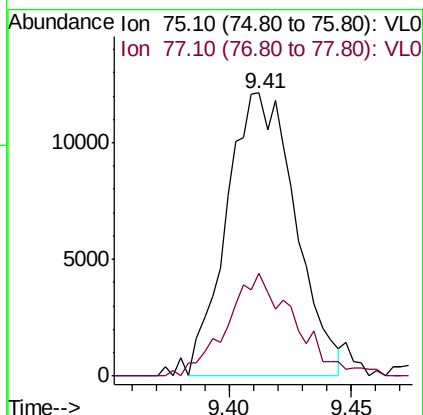
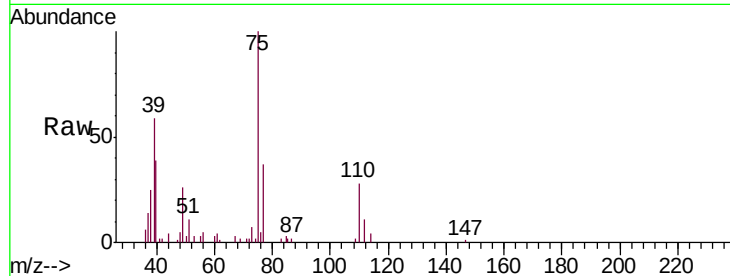




#45
t-1,3-Dichloropropene
Concen: 0.275 ppbv
RT: 9.41 min Scan# 2014
Delta R.T. -0.01 min
Lab File: VL033283.D
Acq: 12 Mar 2019 14:25

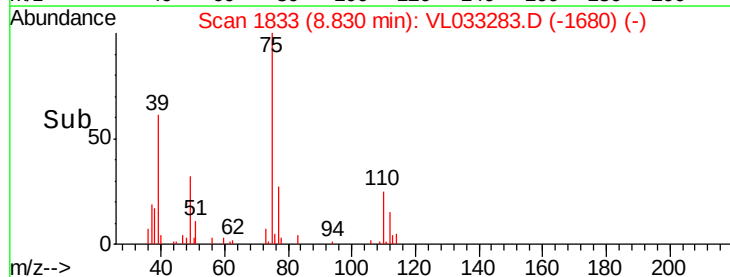
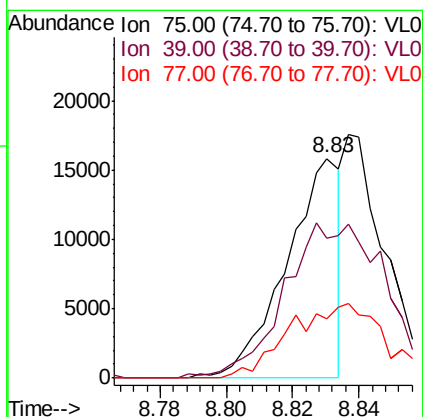
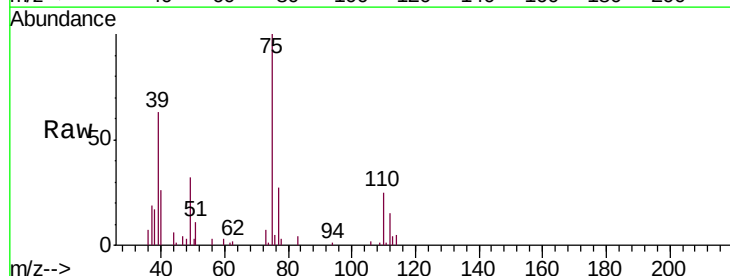
Instrument :
MSVOA_L
ClientSampleId :
0.4 PPB MDL

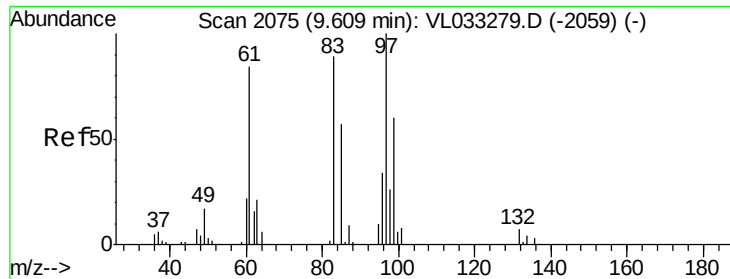
Tgt Ion: 75 Resp: 23793
Ion Ratio Lower Upper
75 100
77 36.5 24.4 36.6



#46
cis-1,3-Dichloropropene
Concen: 0.176 ppbv
RT: 8.83 min Scan# 1833
Delta R.T. -0.01 min
Lab File: VL033283.D
Acq: 12 Mar 2019 14:25

Tgt Ion: 75 Resp: 17820
Ion Ratio Lower Upper
75 100
39 61.3 54.2 81.2
77 27.2 24.5 36.7

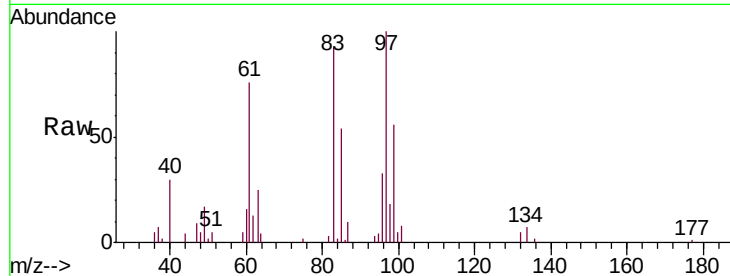




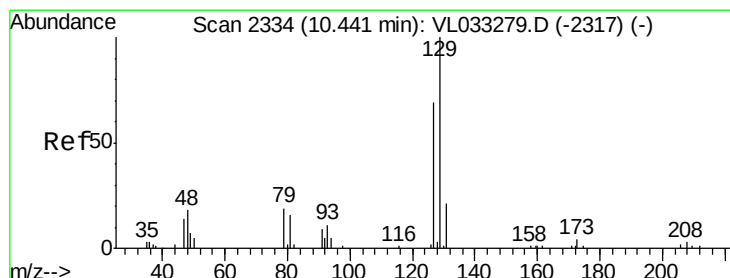
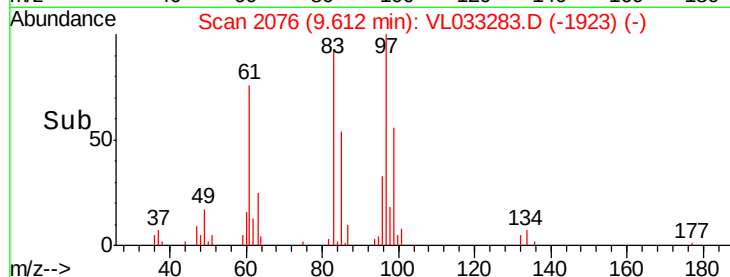
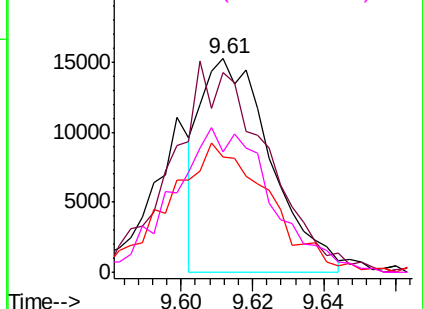
#47
 1,1,2-Trichloroethane
 Concen: 0.286 ppbv
 RT: 9.61 min Scan# 2076
 Delta R.T. -0.01 min
 Lab File: VL033283.D
 Acq: 12 Mar 2019 14:25

Instrument :
 MSVOA_L
 ClientSampleId :
 0.4 PPB MDL

Tgt Ion: 97 Resp: 20733
 Ion Ratio Lower Upper
 97 100
 83 89.4 71.0 106.4
 85 54.1 48.2 72.4
 99 54.4 49.3 73.9

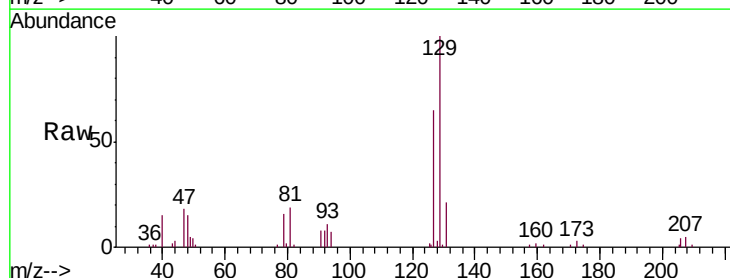


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

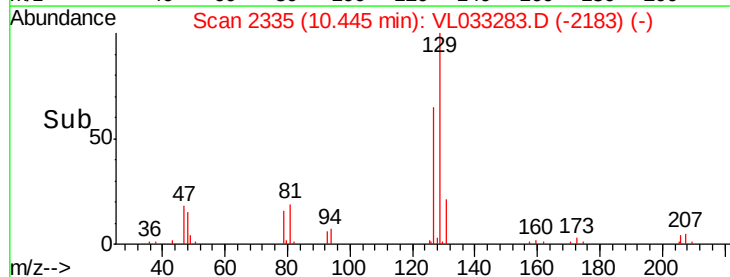
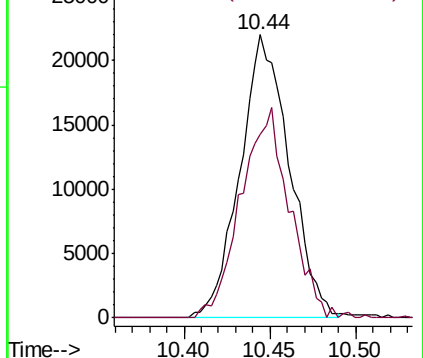


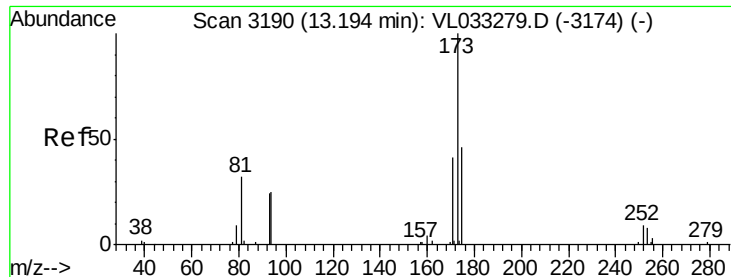
#48
 Dibromochloromethane
 Concen: 0.368 ppbv
 RT: 10.44 min Scan# 2335
 Delta R.T. -0.01 min
 Lab File: VL033283.D
 Acq: 12 Mar 2019 14:25

Tgt Ion: 129 Resp: 43753
 Ion Ratio Lower Upper
 129 100
 127 73.1 38.9 116.6



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





#49

Bromoform

Concen: 0.316 ppbv

RT: 13.20 min Scan# 3191

Delta R.T. -0.01 min

Lab File: VL033283.D

Acq: 12 Mar 2019 14:25

Instrument :

MSVOA_L

ClientSampleId :

0.4 PPB MDL

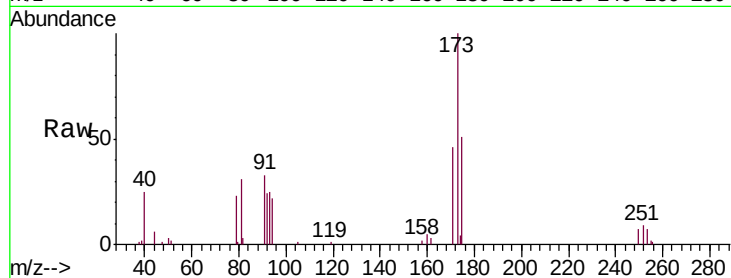
Tgt Ion: 173 Resp: 30523

Ion Ratio Lower Upper

173 100

175 53.9 39.0 58.6

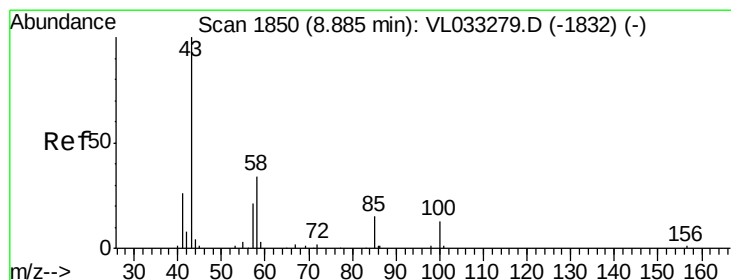
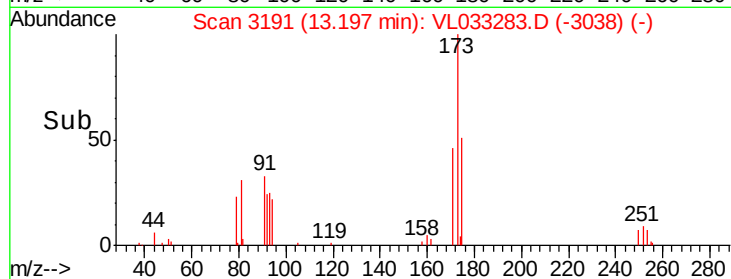
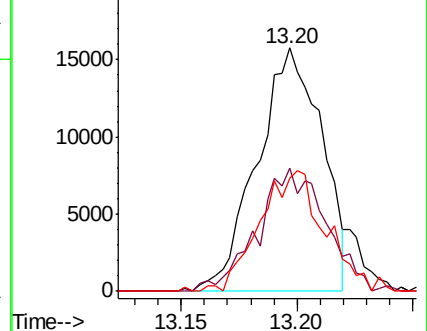
171 50.7 41.2 61.8



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: 0.369 ppbv

RT: 8.89 min Scan# 1851

Delta R.T. 0.02 min

Lab File: VL033283.D

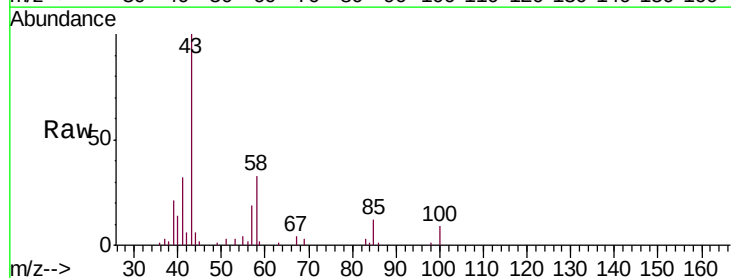
Acq: 12 Mar 2019 14:25

Tgt Ion: 43 Resp: 68294

Ion Ratio Lower Upper

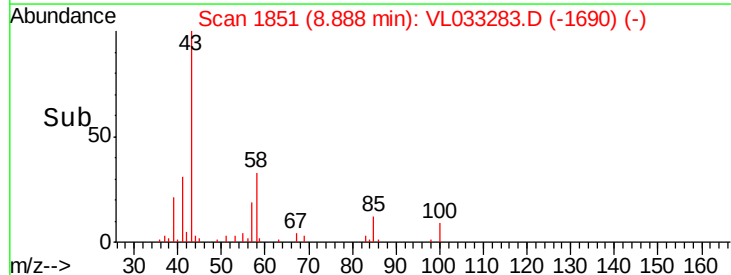
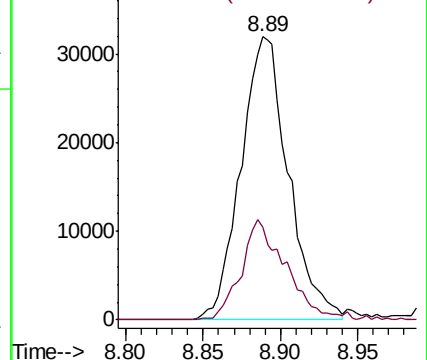
43 100

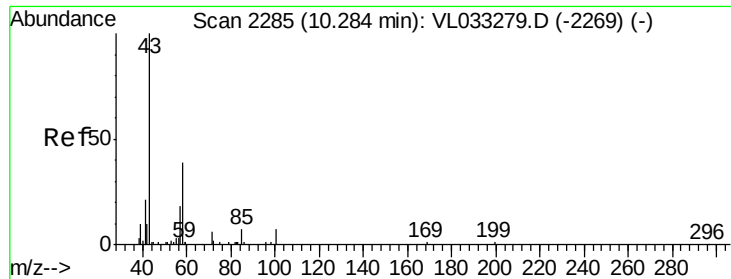
58 33.3 28.0 42.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

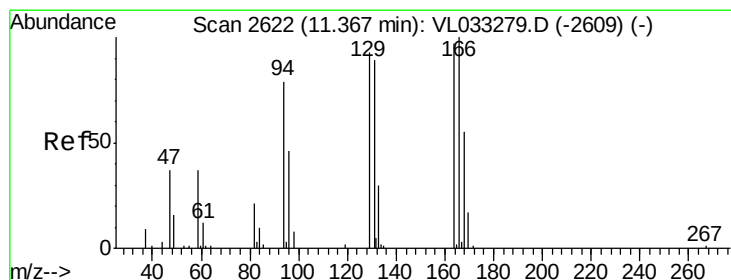
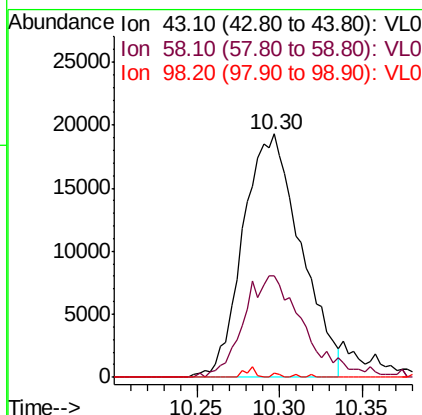
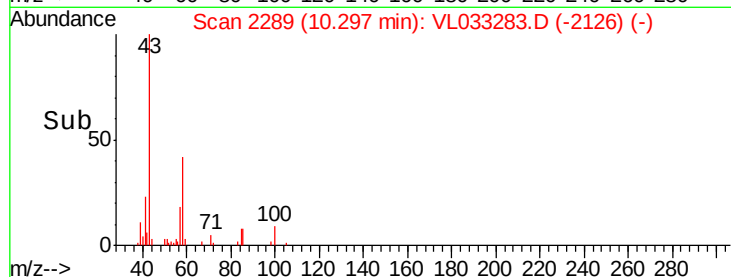
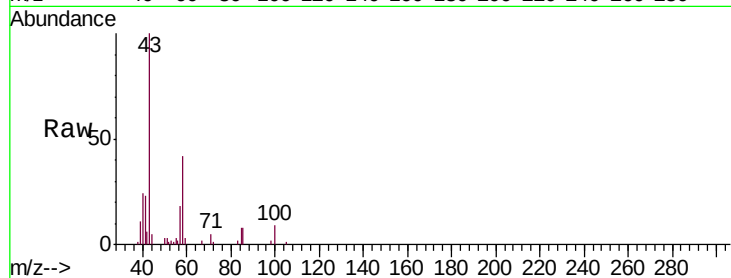




#51
2-Hexanone
Concen: 0.331 ppbv
RT: 10.30 min Scan# 2289
Delta R.T. 0.02 min
Lab File: VL033283.D
Acq: 12 Mar 2019 14:25

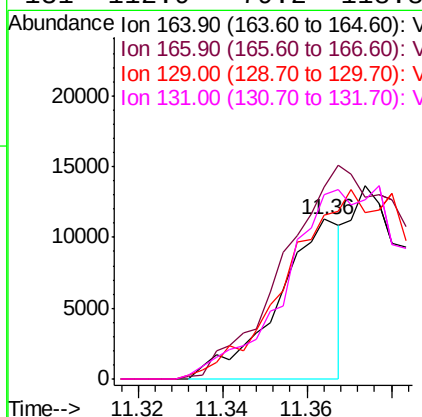
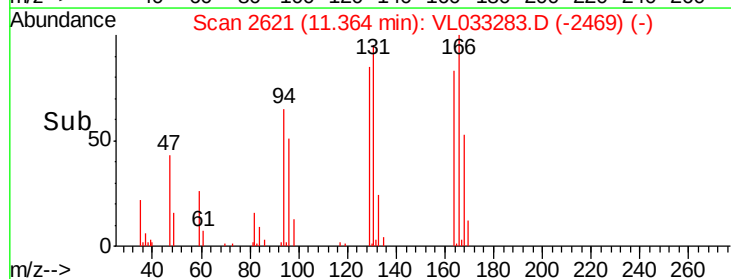
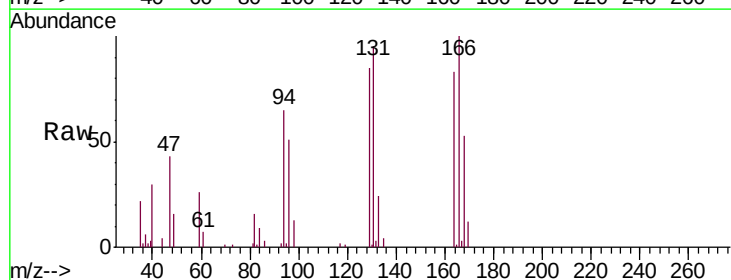
Instrument :
MSVOA_L
ClientSampleId :
0.4 PPB MDL

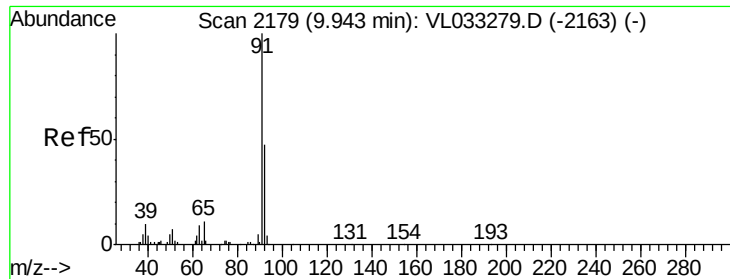
Tgt Ion: 43 Resp: 46692
Ion Ratio Lower Upper
43 100
58 44.4 38.1 57.1
98 0.8 0.1 0.1#



#52
Tetrachloroethene
Concen: 0.177 ppbv
RT: 11.36 min Scan# 2621
Delta R.T. -0.01 min
Lab File: VL033283.D
Acq: 12 Mar 2019 14:25

Tgt Ion: 164 Resp: 11691
Ion Ratio Lower Upper
164 100
166 118.6 100.8 151.2
129 100.6 80.6 121.0
131 112.9 79.2 118.8





#53

Toluene

Concen: 0.349 ppbv

RT: 9.94 min Scan# 2179

Delta R.T. -0.01 min

Lab File: VL033283.D

Acq: 12 Mar 2019 14:25

Instrument :

MSVOA_L

ClientSampleId :

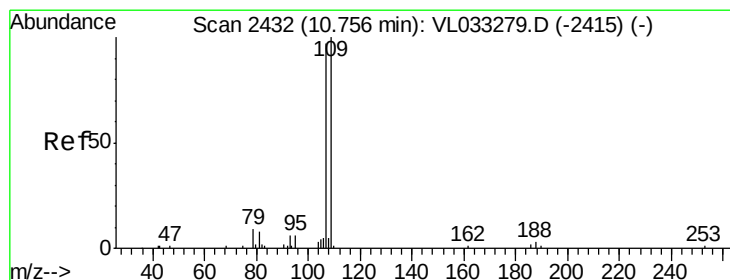
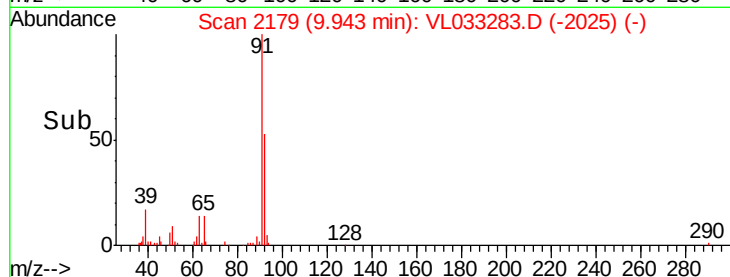
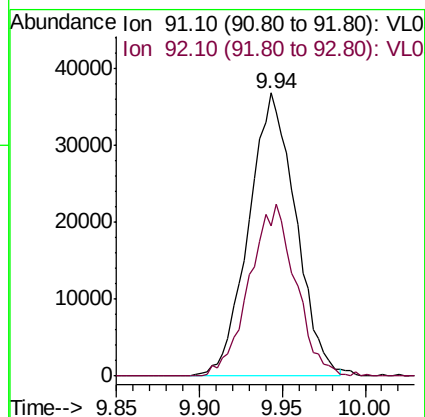
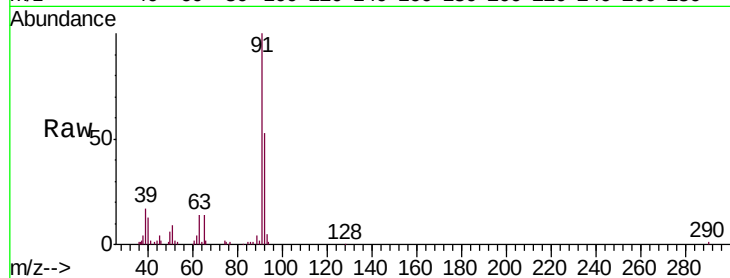
0.4 PPB MDL

Tgt Ion: 91 Resp: 72679

Ion Ratio Lower Upper

91 100

92 59.6 47.8 71.8



#54

1,2-Dibromoethane

Concen: 0.390 ppbv

RT: 10.75 min Scan# 2431

Delta R.T. -0.01 min

Lab File: VL033283.D

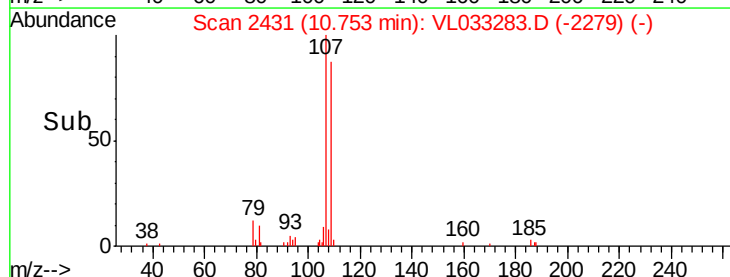
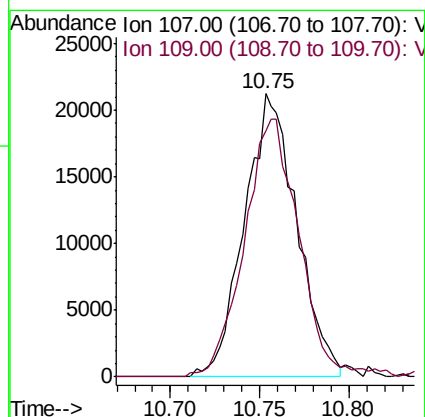
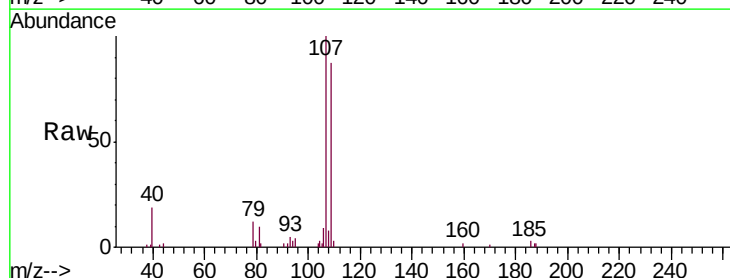
Acq: 12 Mar 2019 14:25

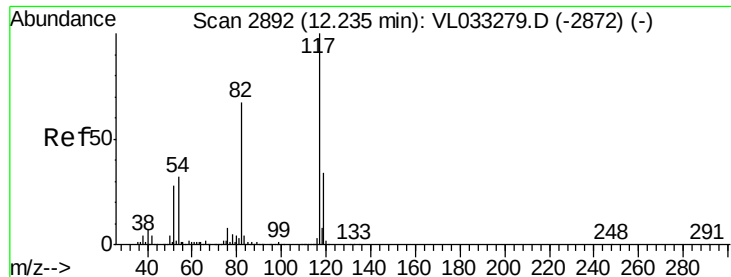
Tgt Ion: 107 Resp: 43456

Ion Ratio Lower Upper

107 100

109 85.5 74.2 111.2

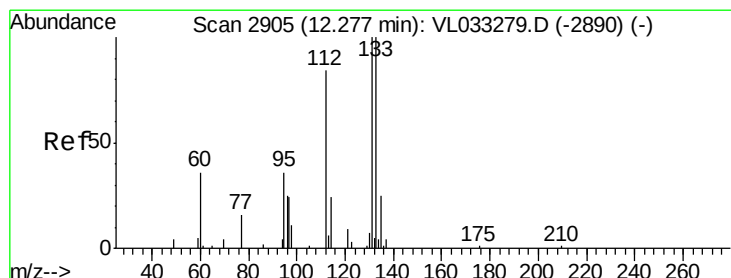
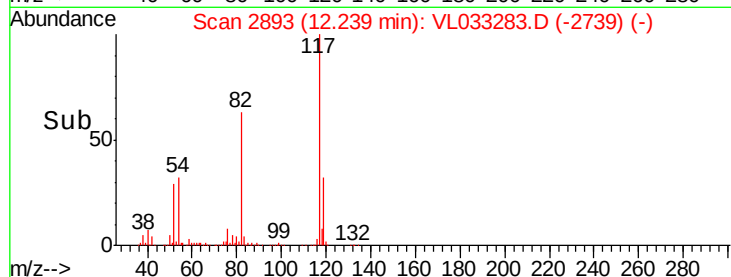
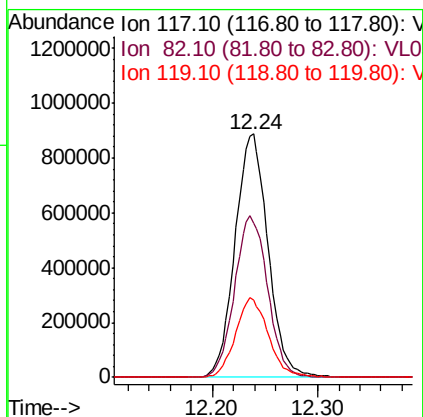
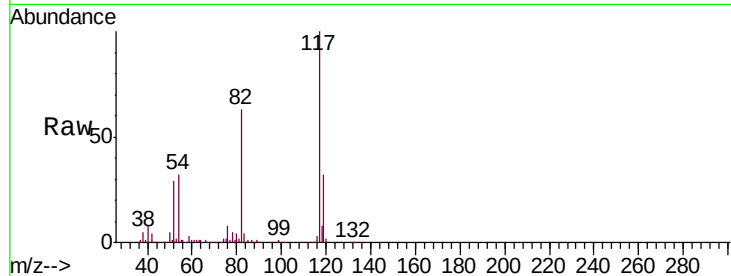




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2893
Delta R.T. -0.01 min
Lab File: VL033283.D
Acq: 12 Mar 2019 14:25

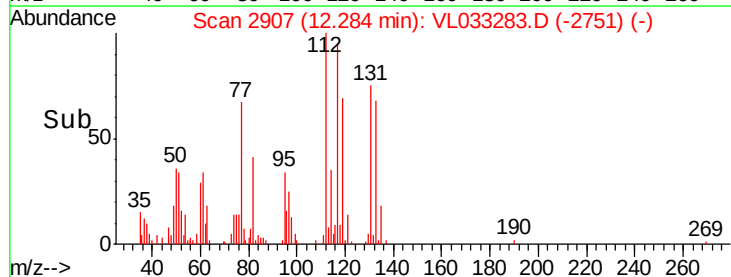
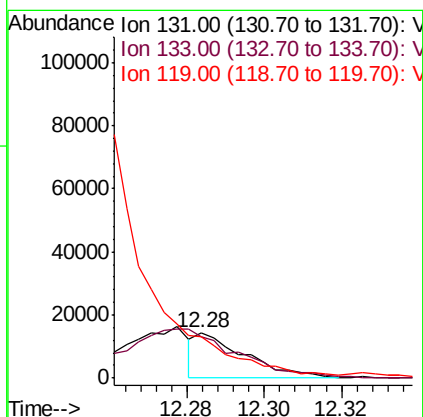
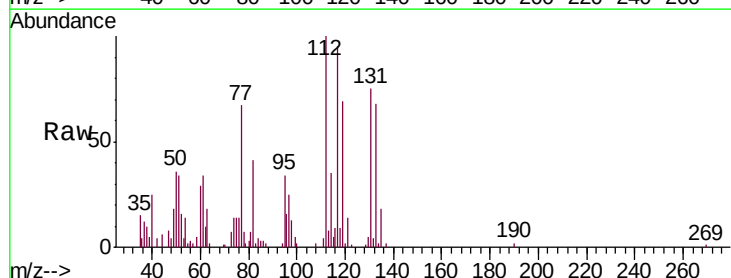
Instrument :
MSVOA_L
ClientSampleId :
0.4 PPB MDL

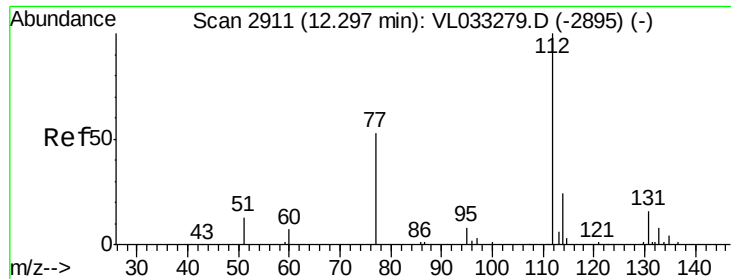
Tgt Ion:117 Resp: 1924613
Ion Ratio Lower Upper
117 100
82 67.0 51.1 76.7
119 32.8 43.6 65.4#



#56
1,1,1,2-Tetrachloroethane
Concen: 0.155 ppbv
RT: 12.28 min Scan# 2907
Delta R.T. 0.00 min
Lab File: VL033283.D
Acq: 12 Mar 2019 14:25

Tgt Ion:131 Resp: 12669
Ion Ratio Lower Upper
131 100
133 0.0 76.2 114.4#
119 0.0 110.3 165.5#

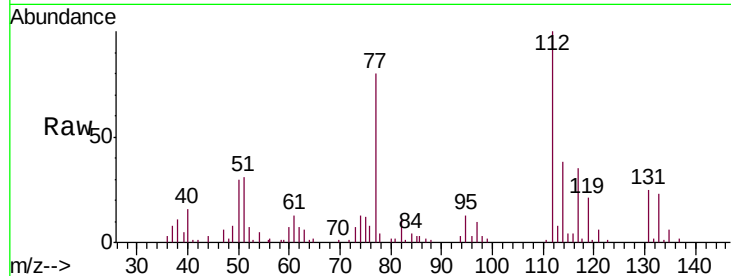




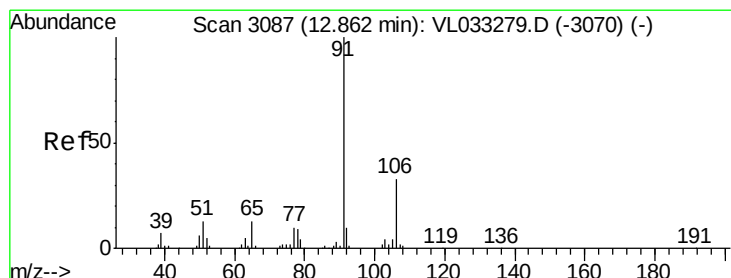
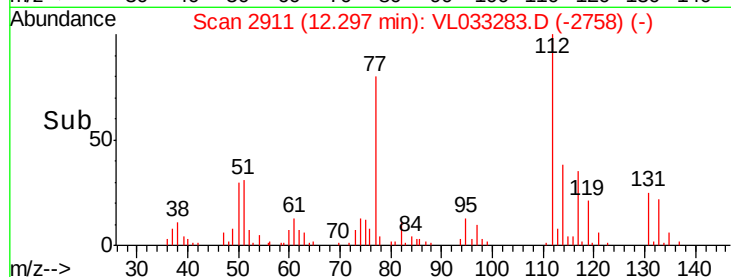
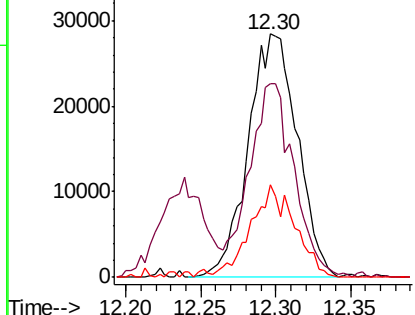
#57
Chlorobenzene
Concen: 0.448 ppbv
RT: 12.30 min Scan# 2911
Delta R.T. -0.01 min
Lab File: VL033283.D
Acq: 12 Mar 2019 14:25

Instrument :
MSVOA_L
ClientSampleId :
0.4 PPB MDL

Tgt Ion: 112 Resp: 64968
Ion Ratio Lower Upper
112 100
77 82.9 55.8 83.8
114 41.6 29.5 36.1#

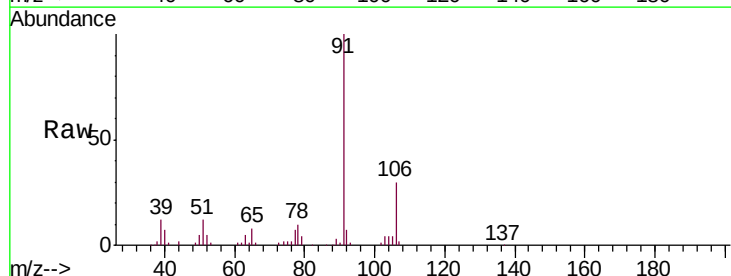


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

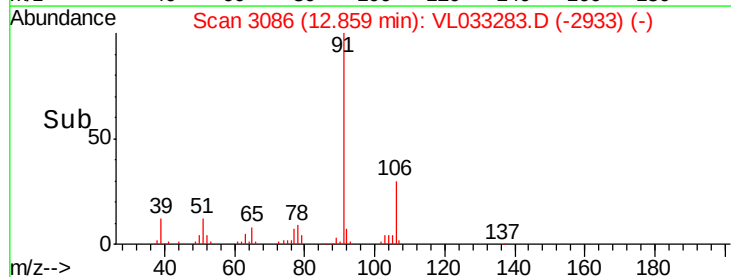
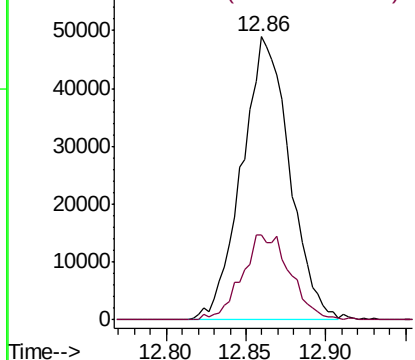


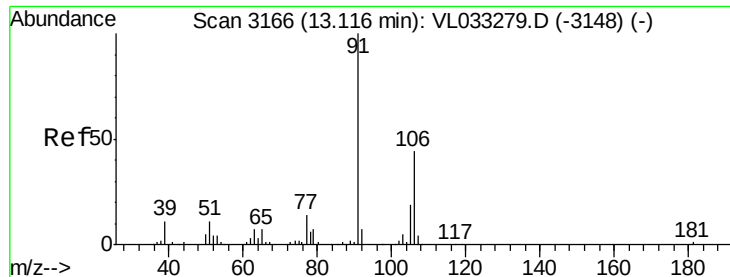
#58
Ethyl Benzene
Concen: 0.378 ppbv
RT: 12.86 min Scan# 3086
Delta R.T. -0.01 min
Lab File: VL033283.D
Acq: 12 Mar 2019 14:25

Tgt Ion: 91 Resp: 99980
Ion Ratio Lower Upper
91 100
106 30.0 22.5 33.7



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

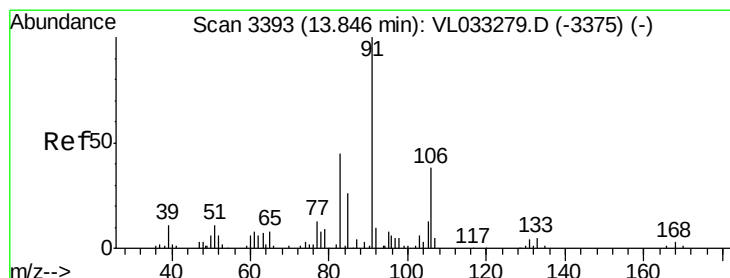
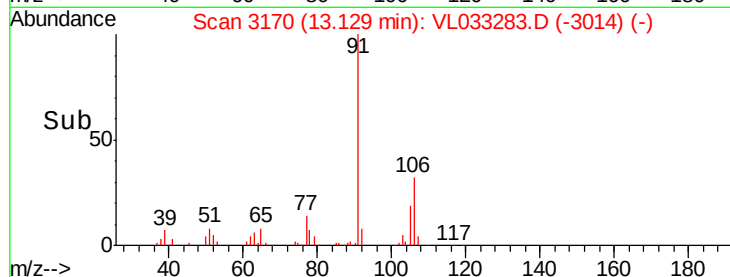
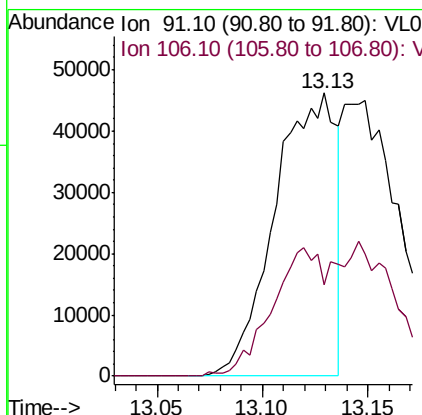
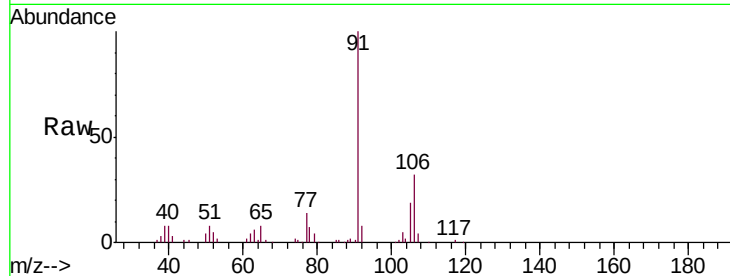




#59
m/p-Xylene
Concen: 0.421 ppbv
RT: 13.13 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VL033283.D
Acq: 12 Mar 2019 14:25

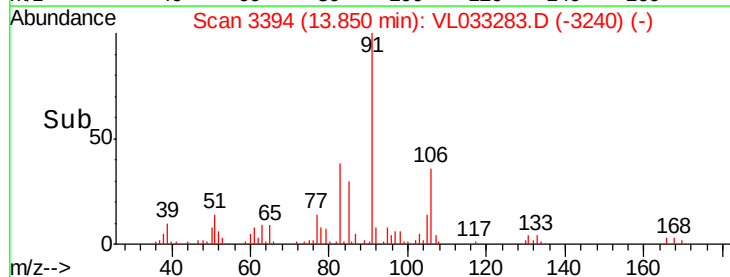
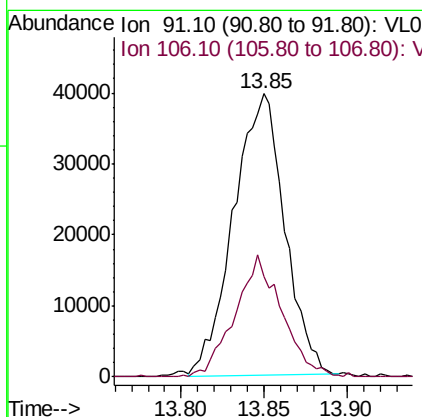
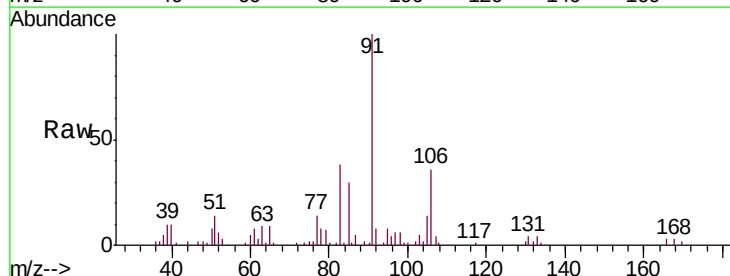
Instrument :
MSVOA_L
ClientSampleId :
0.4 PPB MDL

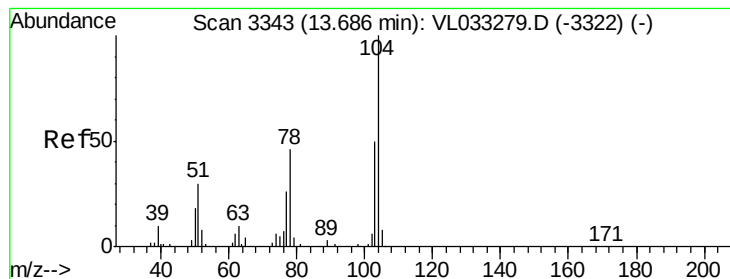
Tgt Ion: 91 Resp: 93166
Ion Ratio Lower Upper
91 100
106 0.0 35.5 53.3#



#60
o-Xylene
Concen: 0.401 ppbv
RT: 13.85 min Scan# 3394
Delta R.T. -0.01 min
Lab File: VL033283.D
Acq: 12 Mar 2019 14:25

Tgt Ion: 91 Resp: 85295
Ion Ratio Lower Upper
91 100
106 39.5 21.3 63.7





#61

Styrene

Concen: 0.341 ppbv

RT: 13.68 min Scan# 3342

Delta R.T. -0.01 min

Lab File: VL033283.D

Acq: 12 Mar 2019 14:25

Instrument :

MSVOA_L

ClientSampleId :

0.4 PPB MDL

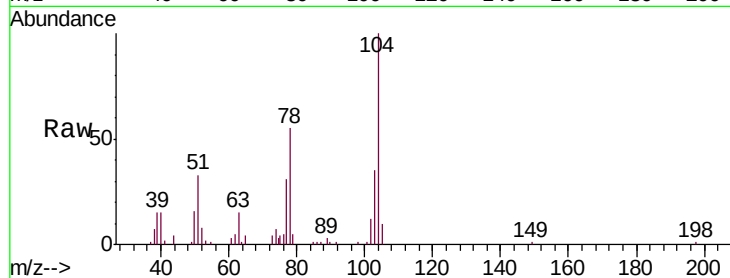
Tgt Ion:104 Resp: 51696

Ion Ratio Lower Upper

104 100

78 56.4 43.3 64.9

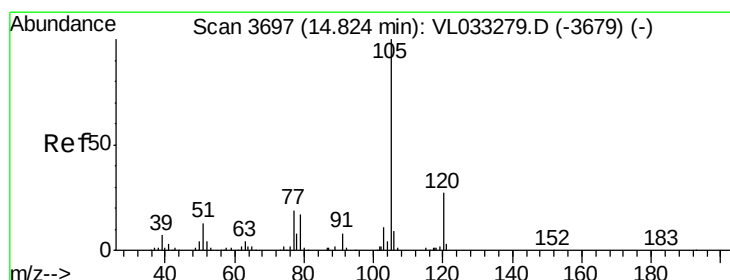
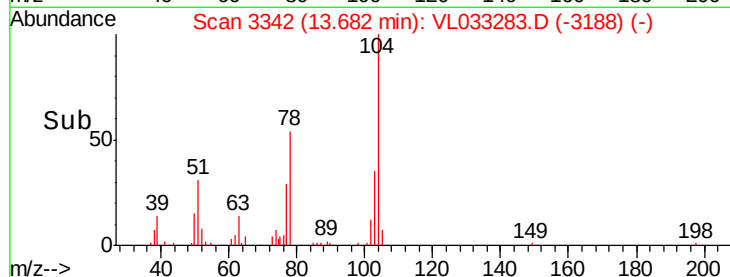
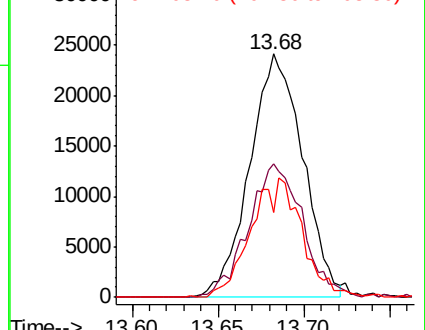
103 47.5 38.0 57.0



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 0.418 ppbv

RT: 14.83 min Scan# 3698

Delta R.T. -0.00 min

Lab File: VL033283.D

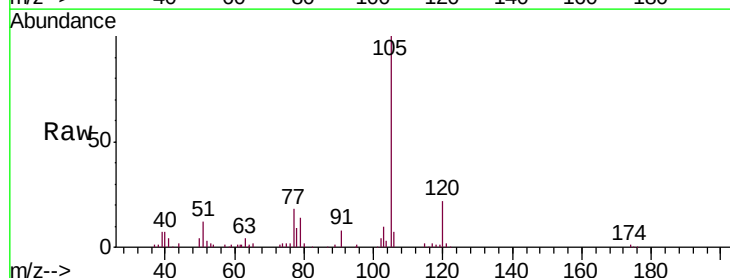
Acq: 12 Mar 2019 14:25

Tgt Ion:105 Resp: 123771

Ion Ratio Lower Upper

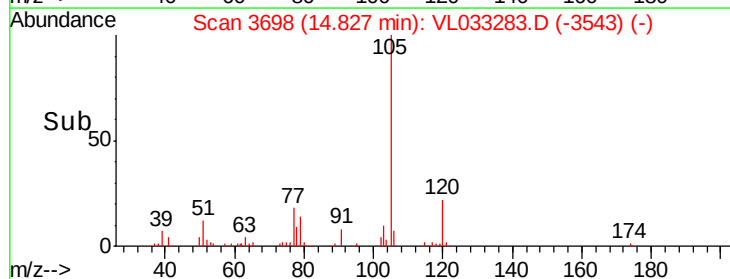
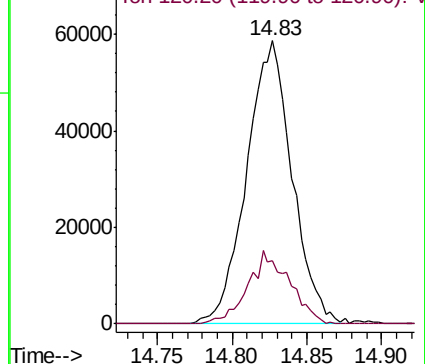
105 100

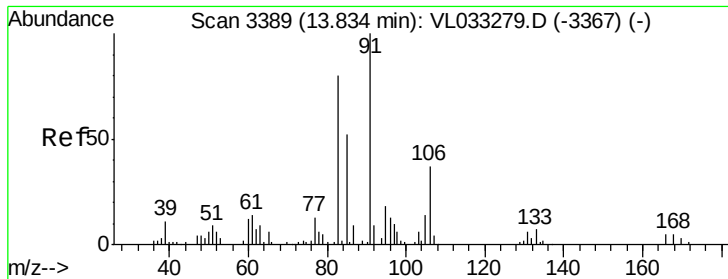
120 23.7 20.0 30.0



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: 0.434 ppbv

RT: 13.83 min Scan# 3388

Delta R.T. -0.01 min

Lab File: VL033283.D

Acq: 12 Mar 2019 14:25

Instrument :

MSVOA_L

ClientSampleId :

0.4 PPB MDL

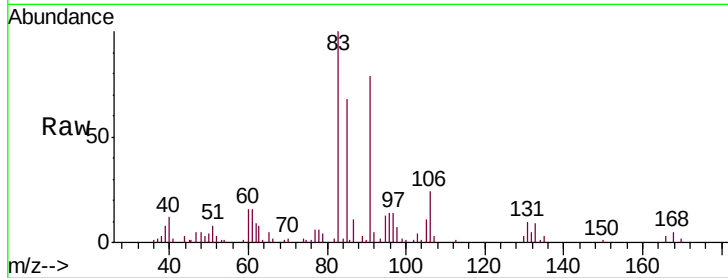
Tgt Ion: 83 Resp: 61855

Ion Ratio Lower Upper

83 100

131 11.1 4.5 13.7

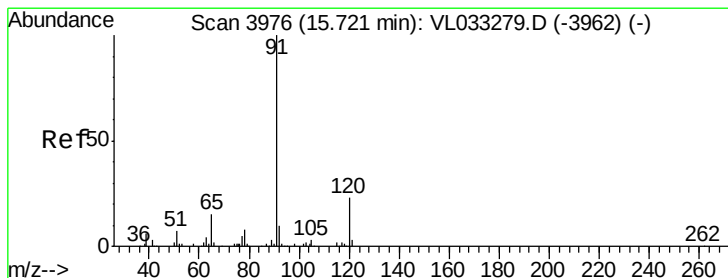
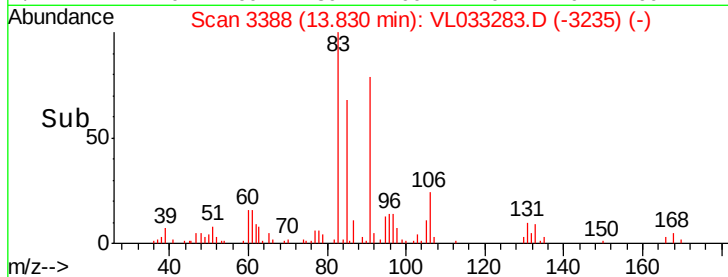
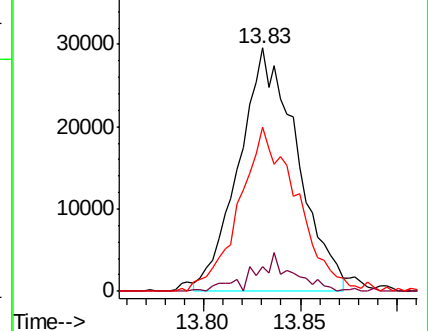
85 67.4 32.2 96.6



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 0.215 ppbv

RT: 15.73 min Scan# 3978

Delta R.T. 0.00 min

Lab File: VL033283.D

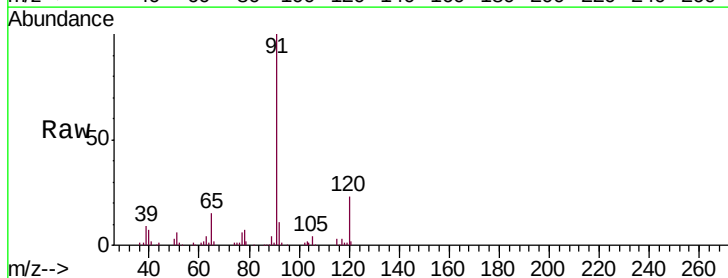
Acq: 12 Mar 2019 14:25

Tgt Ion: 120 Resp: 15641

Ion Ratio Lower Upper

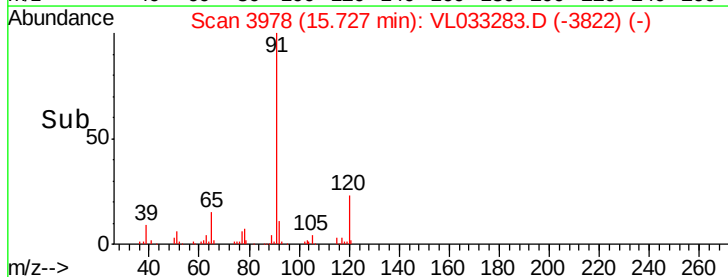
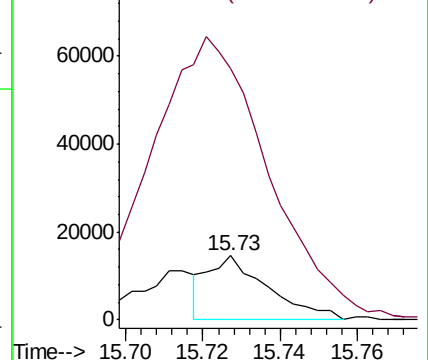
120 100

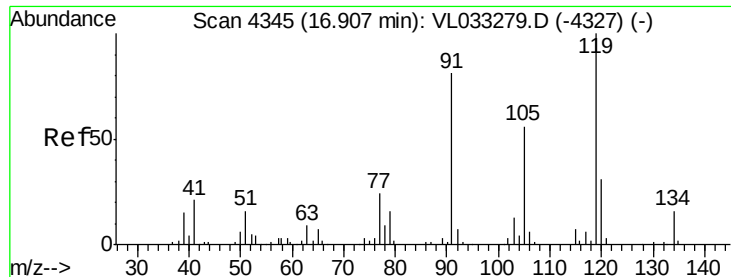
91 901.4 385.8 578.8#



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0

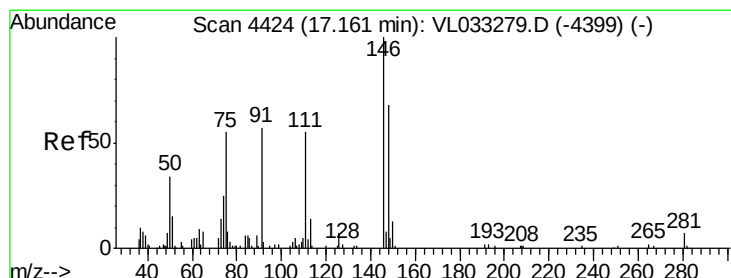
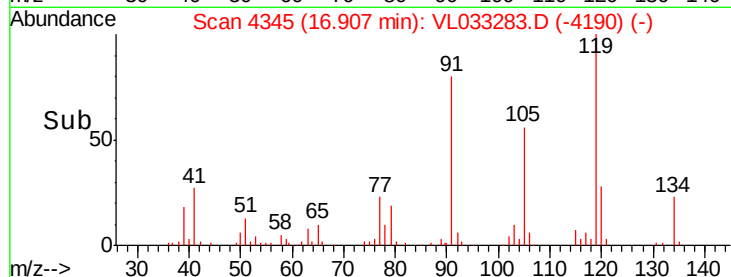
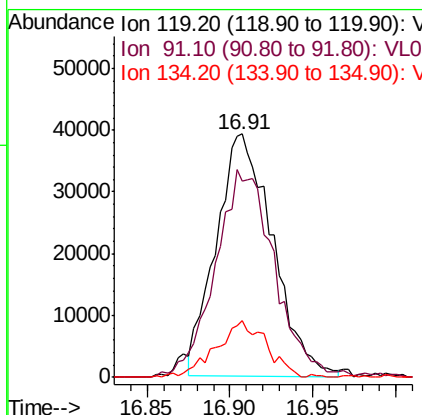
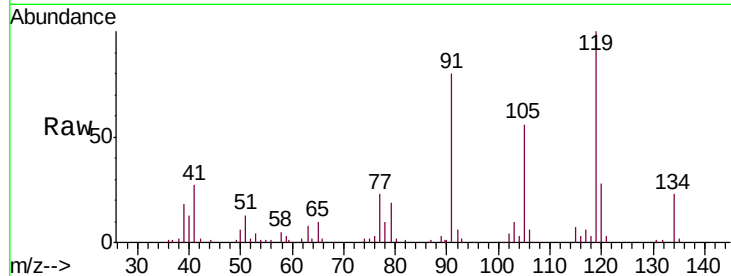




#65
 tert-Butylbenzene
 Concen: 0.372 ppbv
 RT: 16.91 min Scan# 4345
 Delta R.T. -0.00 min
 Lab File: VL033283.D
 Acq: 12 Mar 2019 14:25

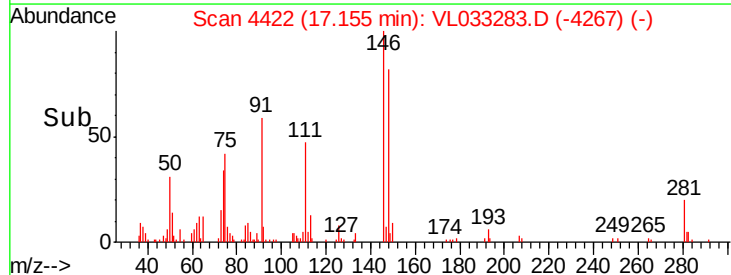
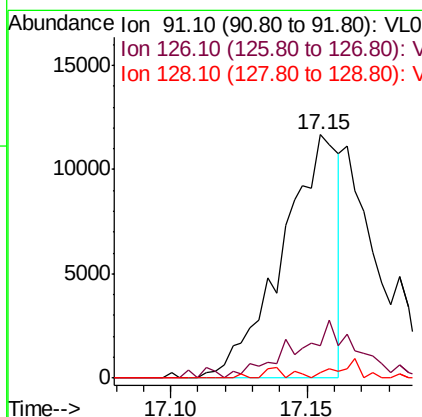
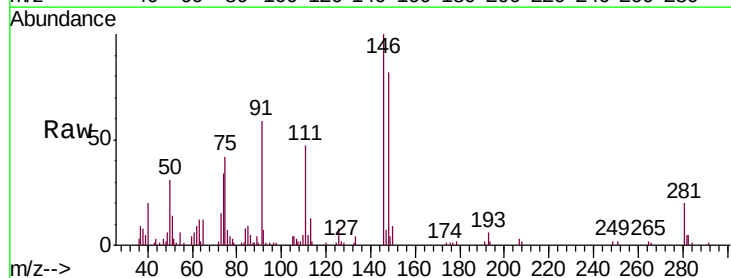
Instrument :
 MSVOA_L
 ClientSampled :
 0.4 PPB MDL

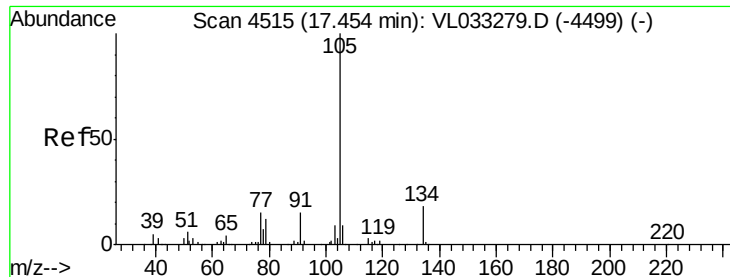
Tgt Ion: 119 Resp: 93061
 Ion Ratio Lower Upper
 119 100
 91 90.4 67.3 100.9
 134 20.9 15.4 23.2



#66
 Benzyl Chloride
 Concen: 0.172 ppbv
 RT: 17.15 min Scan# 4422
 Delta R.T. -0.00 min
 Lab File: VL033283.D
 Acq: 12 Mar 2019 14:25

Tgt Ion: 91 Resp: 16682
 Ion Ratio Lower Upper
 91 100
 126 27.8 13.0 19.6#
 128 0.0 4.3 6.5#





#67

sec-Butylbenzene

Concen: 0.389 ppbv

RT: 17.46 min Scan# 4517

Delta R.T. -0.00 min

Lab File: VL033283.D

Acq: 12 Mar 2019 14:25

Instrument :

MSVOA_L

ClientSampleId :

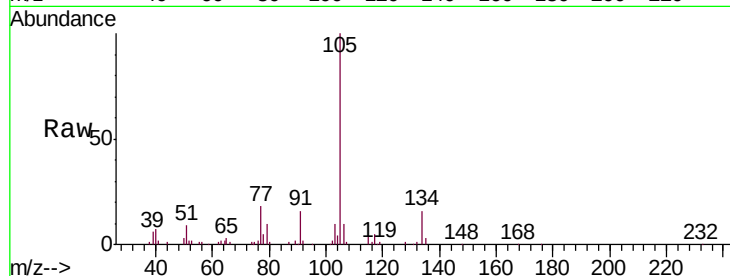
0.4 PPB MDL

Tgt Ion: 105 Resp: 138598

Ion Ratio Lower Upper

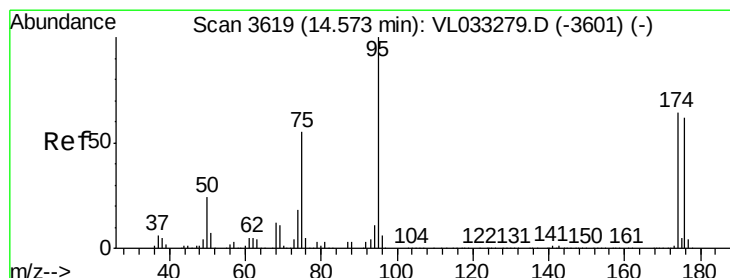
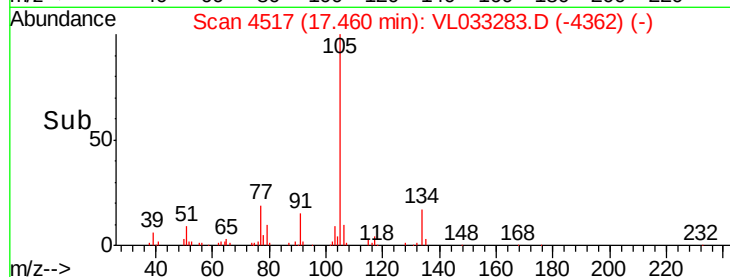
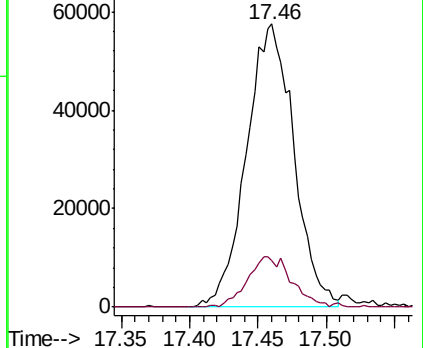
105 100

134 16.8 14.2 21.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.206 ppbv

RT: 14.57 min Scan# 3619

Delta R.T. -0.01 min

Lab File: VL033283.D

Acq: 12 Mar 2019 14:25

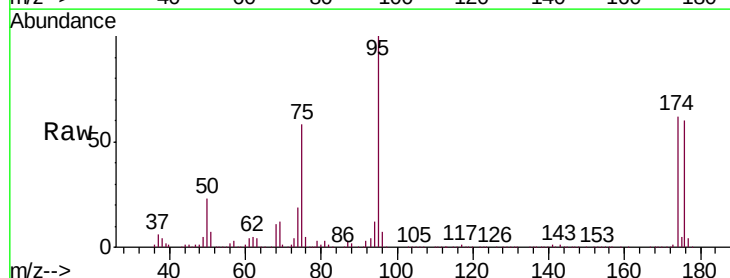
Tgt Ion: 95 Resp: 1516841

Ion Ratio Lower Upper

95 100

174 64.9 51.7 77.5

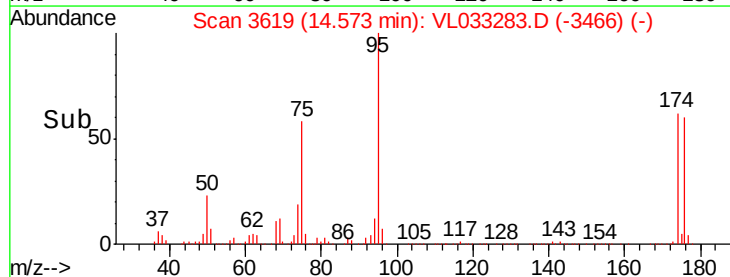
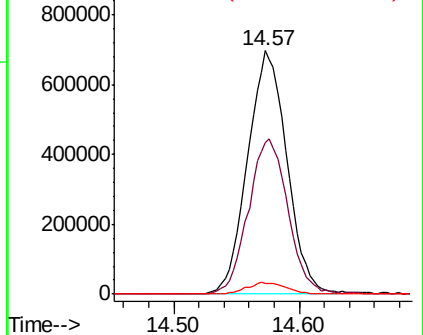
175 4.7 3.7 5.5

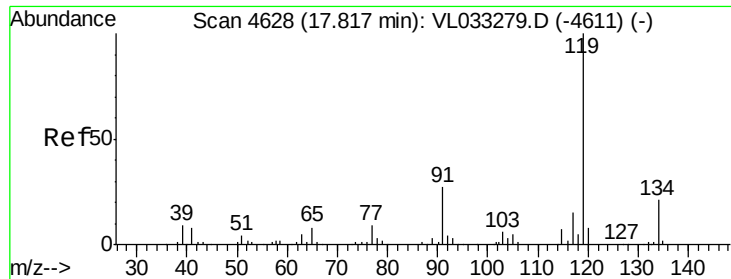


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

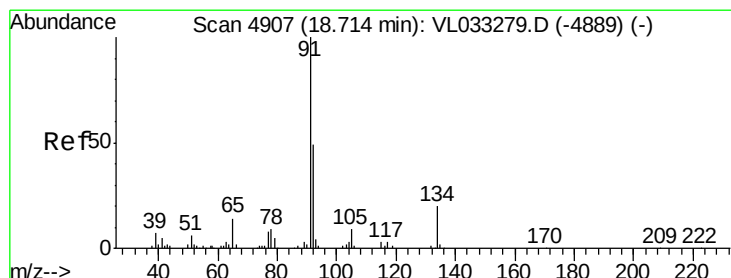
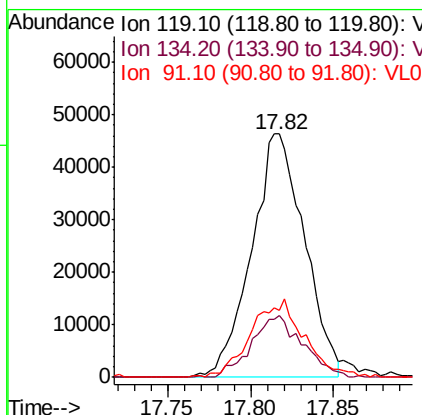
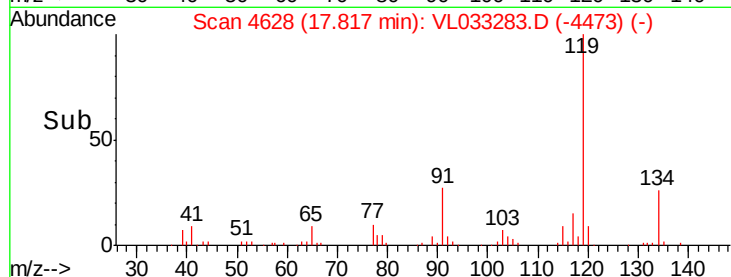
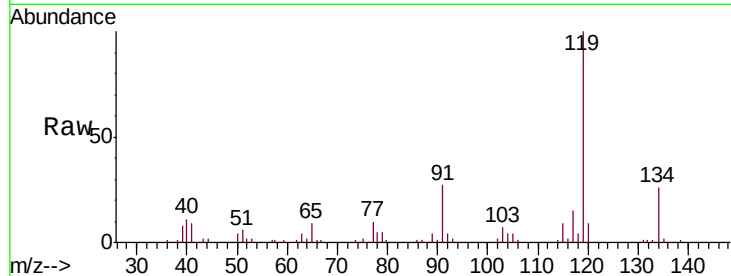




#69
p-Isopropyltoluene
Concen: 0.358 ppbv
RT: 17.82 min Scan# 4628
Delta R.T. -0.00 min
Lab File: VL033283.D
Acq: 12 Mar 2019 14:25

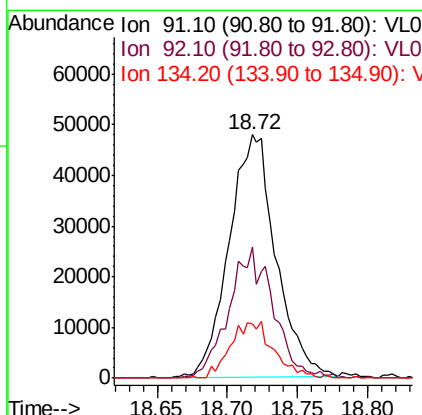
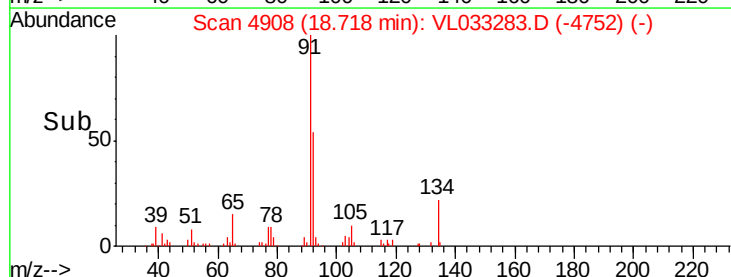
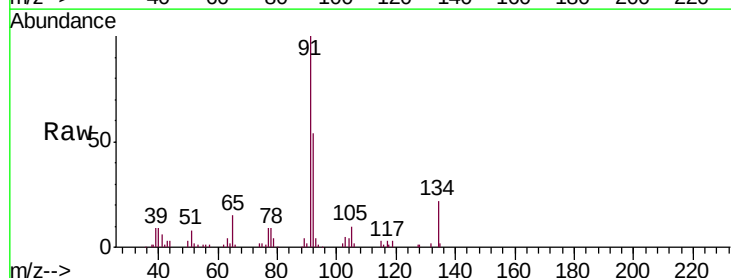
Instrument :
MSVOA_L
ClientSampleId :
0.4 PPB MDL

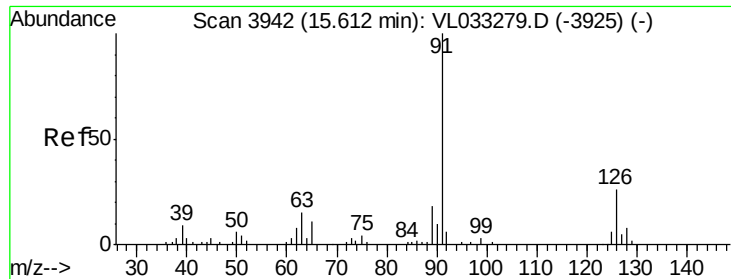
Tgt Ion: 119 Resp: 102974
Ion Ratio Lower Upper
119 100
134 24.7 19.7 29.5
91 32.3 23.5 35.3



#70
n-Butylbenzene
Concen: 0.361 ppbv
RT: 18.72 min Scan# 4908
Delta R.T. 0.00 min
Lab File: VL033283.D
Acq: 12 Mar 2019 14:25

Tgt Ion: 91 Resp: 111341
Ion Ratio Lower Upper
91 100
92 51.2 42.4 63.6
134 21.4 17.1 25.7

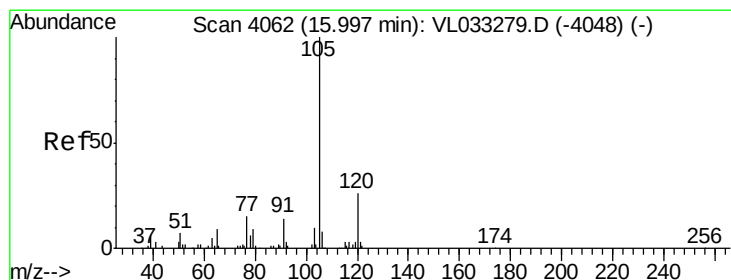
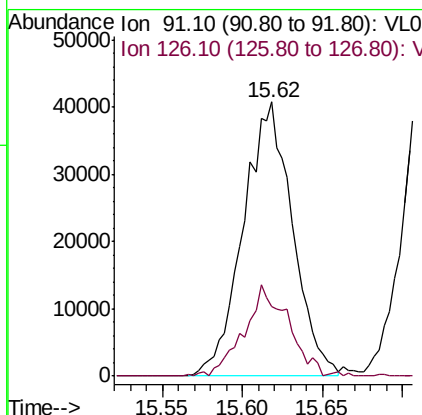
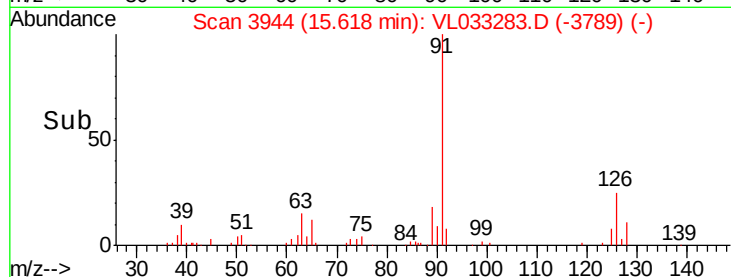
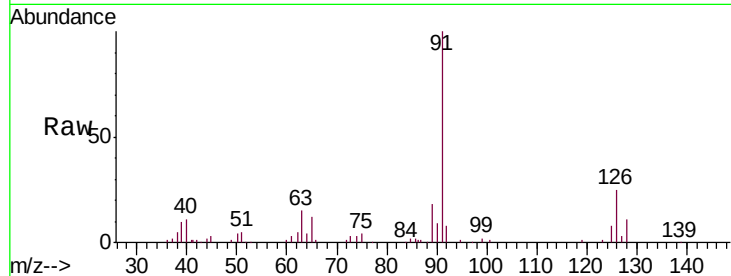




#71
 2-Chlorotoluene
 Concen: 0.385 ppbv
 RT: 15.62 min Scan# 3944
 Delta R.T. -0.00 min
 Lab File: VL033283.D
 Acq: 12 Mar 2019 14:25

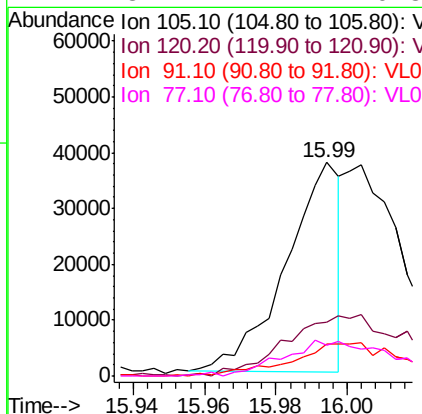
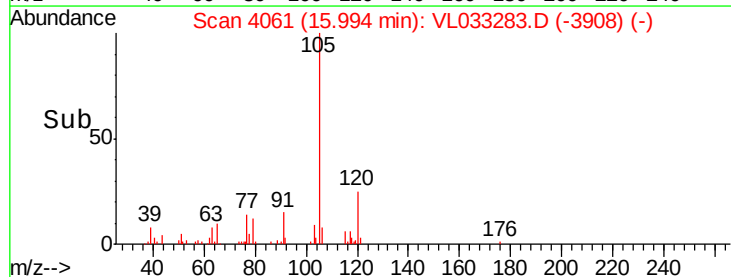
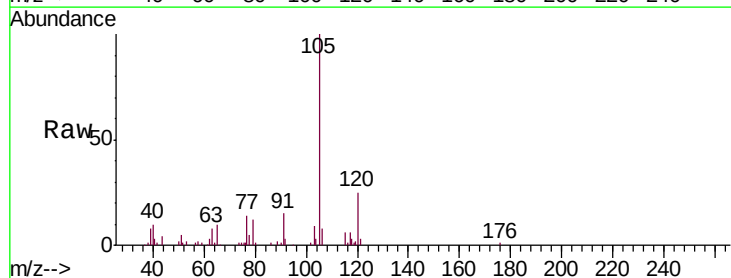
Instrument :
 MSVOA_L
 ClientSampleId :
 0.4 PPB MDL

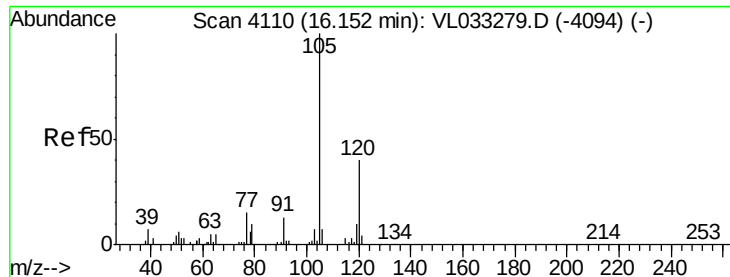
Tgt Ion: 91 Resp: 85955
 Ion Ratio Lower Upper
 91 100
 126 30.1 11.7 46.7



#72
 4-Ethyltoluene
 Concen: 0.172 ppbv
 RT: 15.99 min Scan# 4061
 Delta R.T. -0.01 min
 Lab File: VL033283.D
 Acq: 12 Mar 2019 14:25

Tgt Ion: 105 Resp: 39424
 Ion Ratio Lower Upper
 105 100
 120 0.0 22.9 34.3#
 91 0.0 10.2 15.2#
 77 34.7 11.2 16.8#

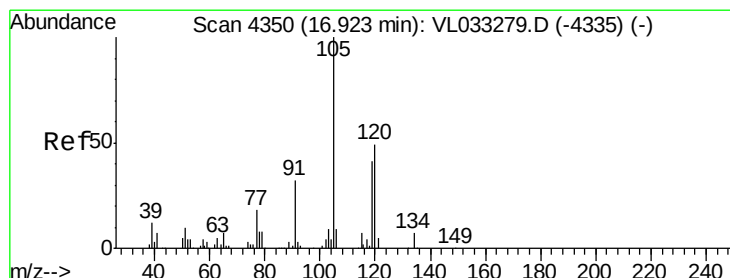
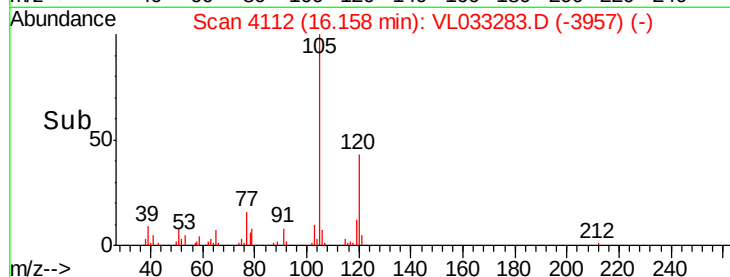
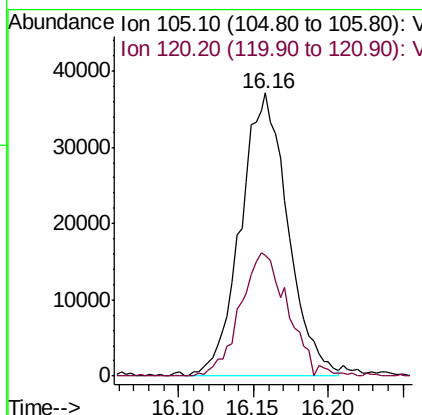
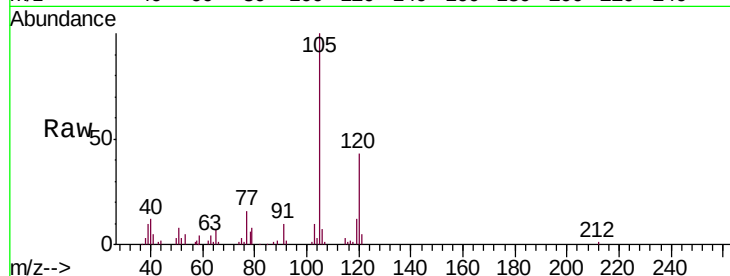




#73
 1,3,5-Trimethylbenzene
 Concen: 0.377 ppbv
 RT: 16.16 min Scan# 4112
 Delta R.T. -0.00 min
 Lab File: VL033283.D
 Acq: 12 Mar 2019 14:25

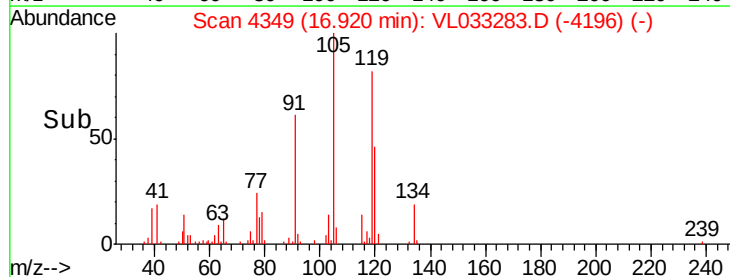
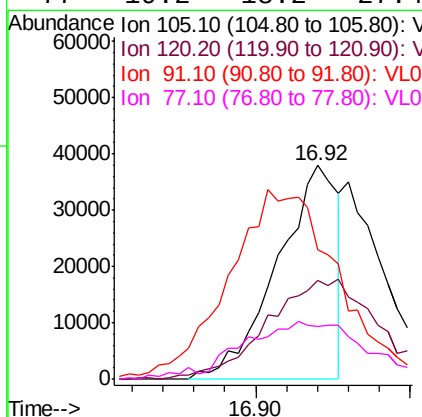
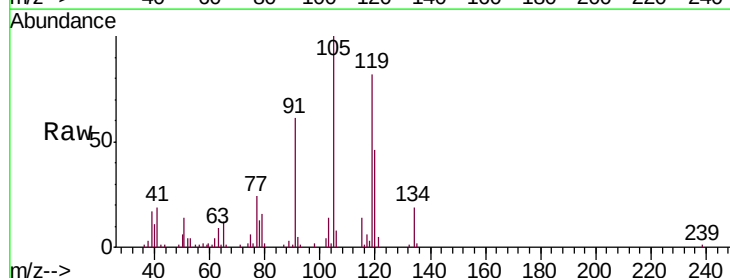
Instrument :
 MSVOA_L
 ClientSampleId :
 0.4 PPB MDL

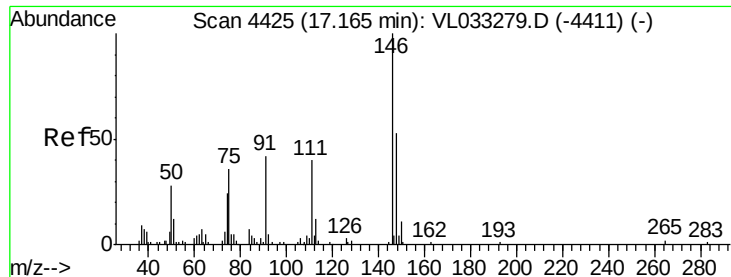
Tgt Ion:105 Resp: 81503
 Ion Ratio Lower Upper
 105 100
 120 42.9 35.1 52.7



#74
 1,2,4-Trimethylbenzene
 Concen: 0.232 ppbv
 RT: 16.92 min Scan# 4349
 Delta R.T. -0.01 min
 Lab File: VL033283.D
 Acq: 12 Mar 2019 14:25

Tgt Ion:105 Resp: 51187
 Ion Ratio Lower Upper
 105 100
 120 44.4 36.1 54.1
 91 46.3 38.6 58.0
 77 19.2 18.2 27.4

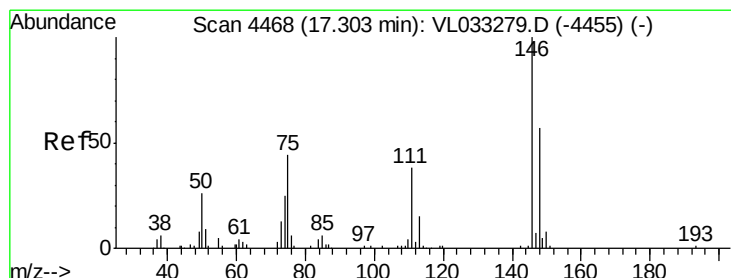
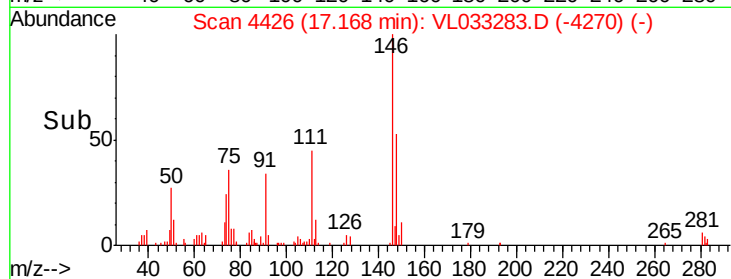
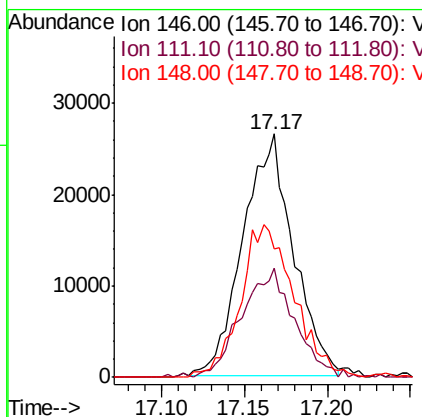
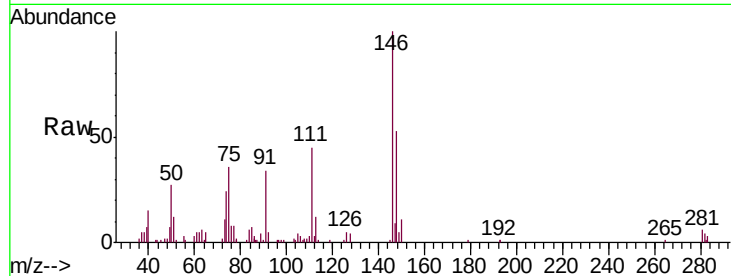




#75
 1,3-Dichlorobenzene
 Concen: 0.425 ppbv
 RT: 17.17 min Scan# 4426
 Delta R.T. 0.00 min
 Lab File: VL033283.D
 Acq: 12 Mar 2019 14:25

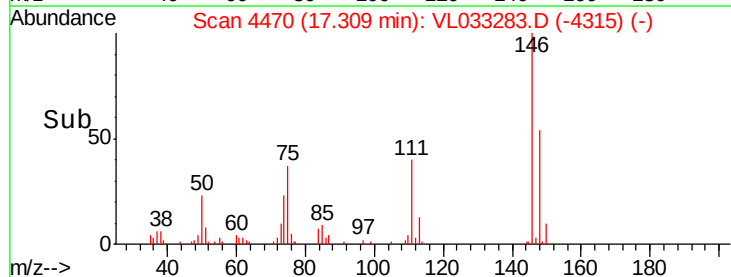
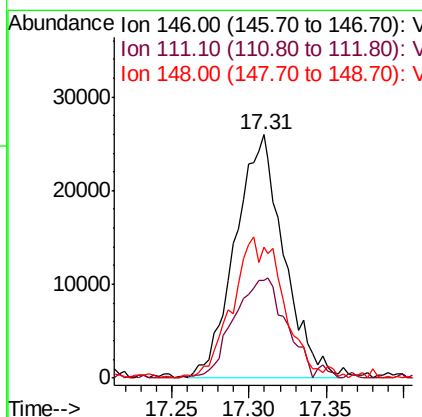
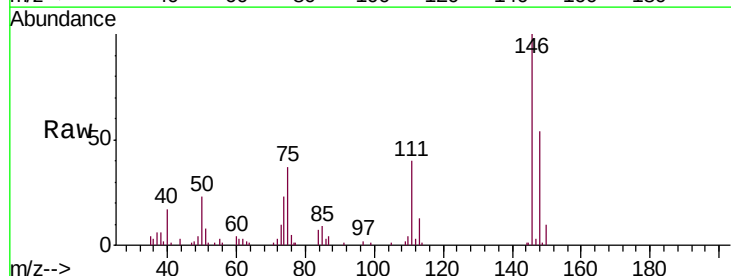
Instrument :
 MSVOA_L
 ClientSampleId :
 0.4 PPB MDL

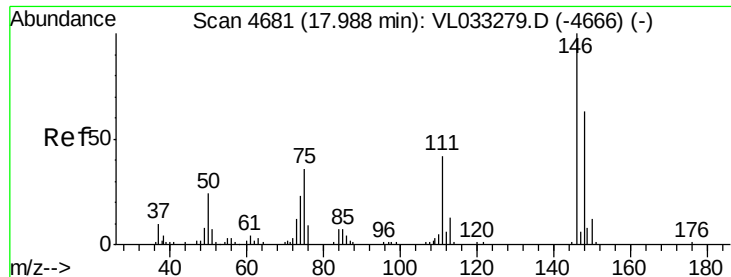
Tgt Ion:146 Resp: 56114
 Ion Ratio Lower Upper
 146 100
 111 47.8 22.8 68.4
 148 67.5 31.8 95.3



#76
 1,4-Dichlorobenzene
 Concen: 0.435 ppbv
 RT: 17.31 min Scan# 4470
 Delta R.T. -0.00 min
 Lab File: VL033283.D
 Acq: 12 Mar 2019 14:25

Tgt Ion:146 Resp: 56776
 Ion Ratio Lower Upper
 146 100
 111 45.7 22.1 66.1
 148 62.4 31.8 95.3

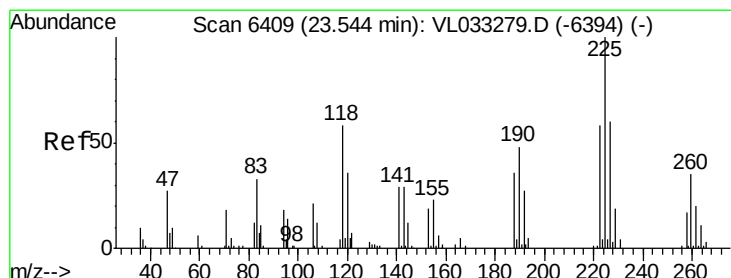
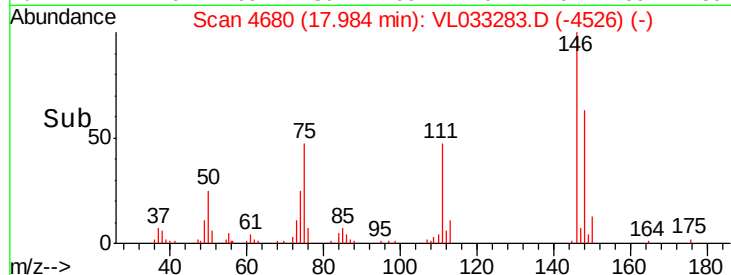
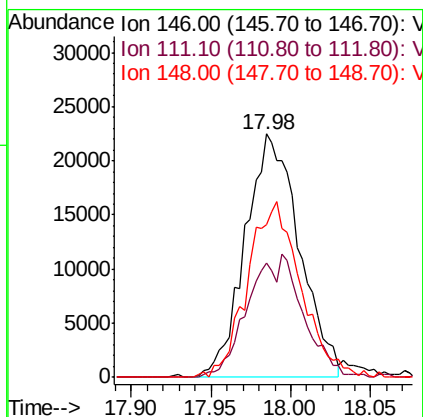
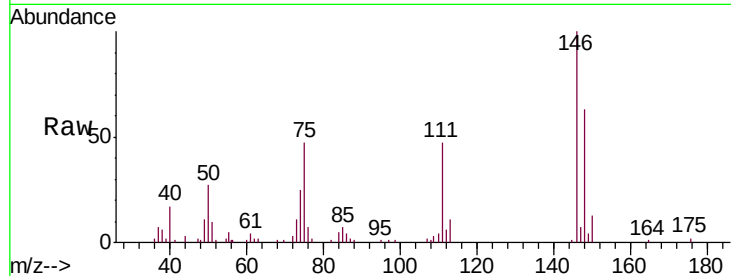




#77
 1,2-Dichlorobenzene
 Concen: 0.397 ppbv
 RT: 17.98 min Scan# 4680
 Delta R.T. -0.01 min
 Lab File: VL033283.D
 Acq: 12 Mar 2019 14:25

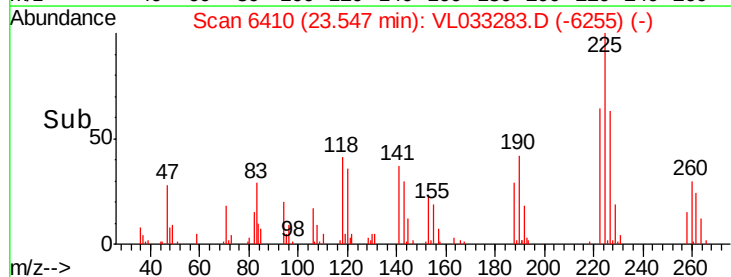
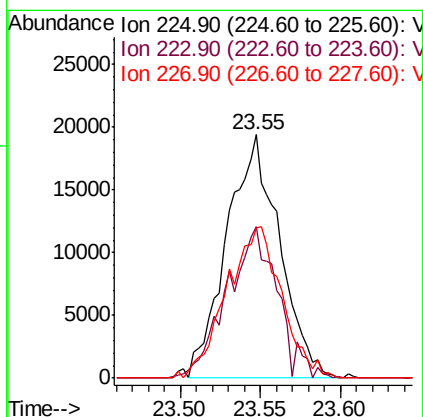
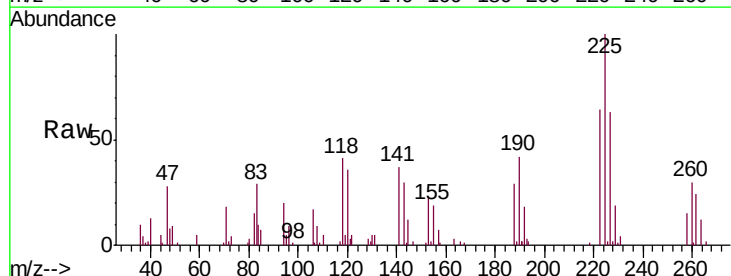
Instrument :
 MSVOA_L
 ClientSampleId :
 0.4 PPB MDL

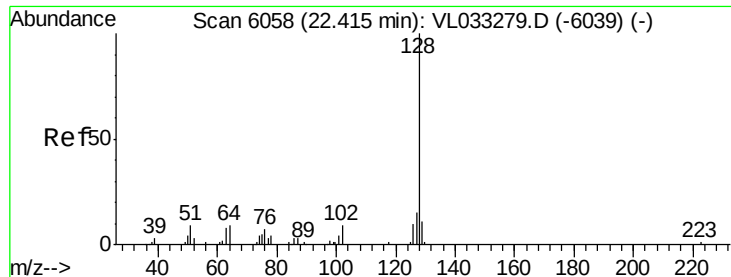
Tgt Ion:146 Resp: 52167
 Ion Ratio Lower Upper
 146 100
 111 52.0 23.5 70.5
 148 71.2 31.7 95.1



#78
 Hexachloro-1,3-Butadiene
 Concen: 0.400 ppbv
 RT: 23.55 min Scan# 6410
 Delta R.T. -0.00 min
 Lab File: VL033283.D
 Acq: 12 Mar 2019 14:25

Tgt Ion:225 Resp: 43797
 Ion Ratio Lower Upper
 225 100
 223 60.0 50.3 75.5
 227 65.2 51.1 76.7

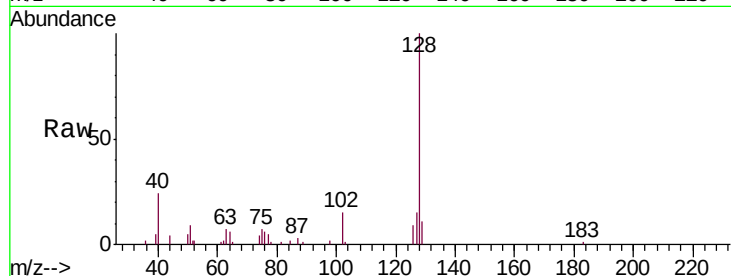




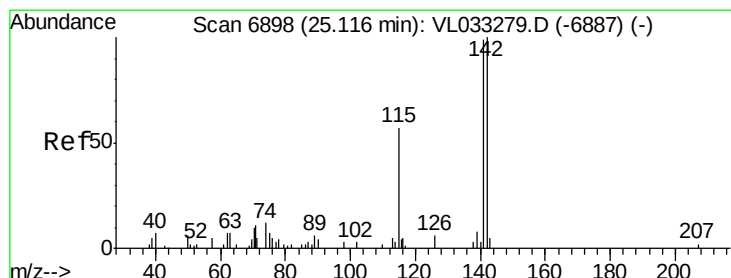
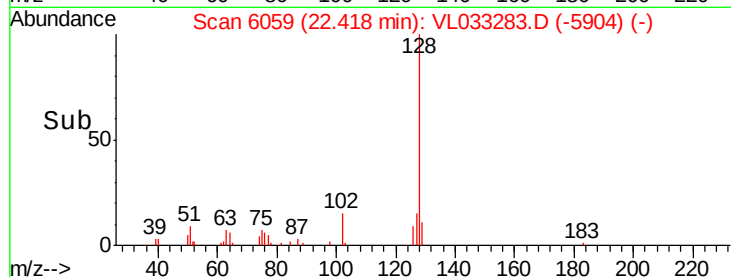
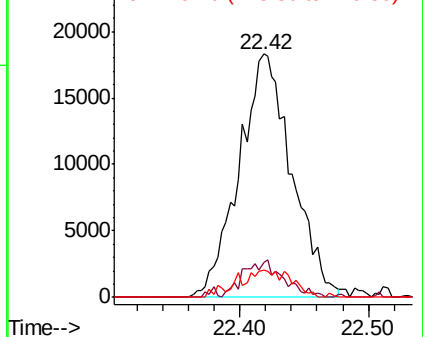
#79
Naphthalene
Concen: 0.218 ppbv
RT: 22.42 min Scan# 6059
Delta R.T. -0.00 min
Lab File: VL033283.D
Acq: 12 Mar 2019 14:25

Instrument :
MSVOA_L
ClientSampleId :
0.4 PPB MDL

Tgt Ion:128 Resp: 51913
Ion Ratio Lower Upper
128 100
127 14.6 10.5 15.7
129 11.3 8.4 12.6

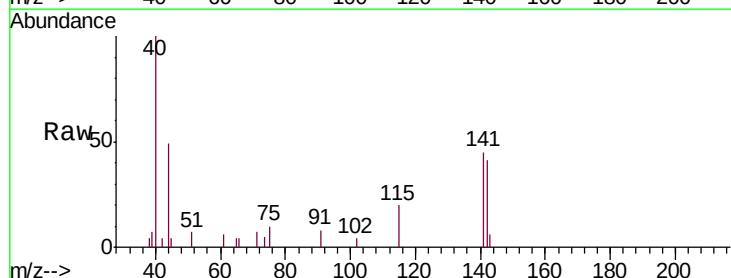


Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V

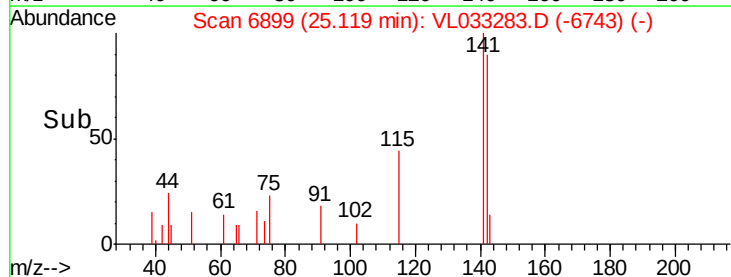
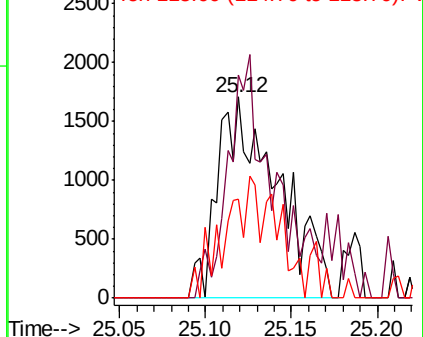


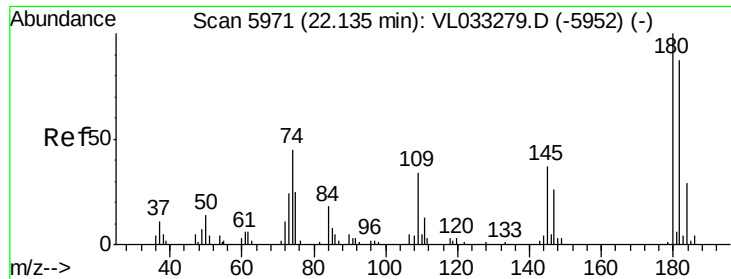
#80
Naphthalene, 2-methyl-
Concen: 0.064 ppbv
RT: 25.12 min Scan# 6899
Delta R.T. 0.00 min
Lab File: VL033283.D
Acq: 12 Mar 2019 14:25

Tgt Ion:142 Resp: 4200
Ion Ratio Lower Upper
142 100
141 103.0 68.0 102.0#
115 54.6 33.8 50.6#



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

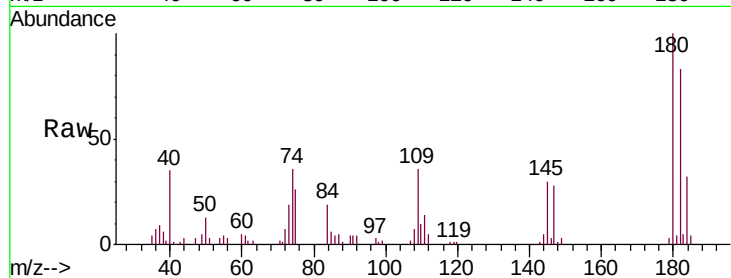




#81
 1,2,4-Trichlorobenzene
 Concen: 0.168 ppbv
 RT: 22.14 min Scan# 5973
 Delta R.T. 0.00 min
 Lab File: VL033283.D
 Acq: 12 Mar 2019 14:25

Instrument :
 MSVOA_L
 ClientSampleId :
 0.4 PPB MDL

Tgt Ion:180 Resp: 21074
 Ion Ratio Lower Upper
 180 100
 182 171.5 76.6 114.8#
 184 57.5 24.2 36.4#



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V

