

Data File : VL033362.D

Acq On : 18 Mar 2019 17:27

Operator : SY/AP

Sample : 0.4 MDL

Misc : 400ml/MSVOA_L

ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Quant Time: Mar 19 06:52:52 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031519AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Mar 15 14:52:14 2019

QLast Update : Fri Mar 15 14:52:14 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	781422	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1723314	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.24	117	1886893	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1452013	10.38	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.80%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.08	85	62262	0.453	ppbv	94
3) Chlorodifluoromethane	3.01	51	39385	0.439	ppbv	97
4) Chloromethane	3.17	50	11034	0.227	ppbv	95
5) Vinyl Chloride	3.29	62	20262	0.404	ppbv	90
6) Bromomethane	3.52	94	12861	0.432	ppbv	91
7) Chloroethane	3.61	64	7258	0.415	ppbv #	88
8) Dichlorotetrafluoroethane	3.22	85	54048	0.462	ppbv	96
9) Propene	3.04	41	18910	0.472	ppbv	91
10) Heptane	8.25	43	35989	0.362	ppbv	97
11) Trichlorofluoromethane	4.01	101	59993	0.438	ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.55	101	39305	0.433	ppbv	98
13) Ethanol	3.66	45	13770	0.721	ppbv	99
14) Bromoethene	3.79	108	15014	0.397	ppbv	95
15) Acetone	3.91	43	66384	0.547	ppbv	98
16) 1,3-Butadiene	3.37	39	15583	0.395	ppbv	97
18) 1,1-Dichloroethene	4.35	96	16185	0.390	ppbv	92
19) Isopropyl Alcohol	4.03	45	30442	0.527	ppbv #	93
20) Methylene Chloride	4.41	84	19207	0.485	ppbv	92
21) Allyl Chloride	4.47	41	11511	0.195	ppbv #	1
22) trans-1,2-Dichloroethene	4.97	96	16149	0.401	ppbv	95
23) Vinyl Acetate	5.15	43	62094	0.442	ppbv	98
24) 1,1-Dichloroethane	5.09	63	42150	0.415	ppbv	99
25) Ethyl Acetate	5.77	43	72121	0.408	ppbv	99
26) Hexane	5.78	57	33145	0.420	ppbv	98
27) Carbon Disulfide	4.62	76	29628	0.326	ppbv #	77
28) Methyl tert-Butyl Ether	5.12	73	43798	0.374	ppbv	100
29) Chloroform	5.85	83	56125	0.434	ppbv	98
30) Cyclohexane	7.25	84	10118	0.160	ppbv #	1
31) cis-1,2-Dichloroethene	5.64	61	30901	0.392	ppbv #	95
32) 1,1,1-Trichloroethane	6.62	97	47632	0.375	ppbv	97
34) 2-Butanone	5.34	43	45488	0.402	ppbv	99
35) Carbon Tetrachloride	7.14	117	48299	0.398	ppbv #	96
36) Benzene	7.01	78	21821	0.141	ppbv	94
37) 1,2-Dichloroethane	6.41	62	42414	0.435	ppbv	98
38) Trichloroethene	7.96	130	23872	0.409	ppbv #	85
39) 1,2-Dichloropropane	7.73	63	12091	0.209	ppbv	97
40) 1,4-Dioxane	7.99	88	3641	0.179	ppbv #	1
41) Tetrahydrofuran	6.17	42	19017	0.315	ppbv	95
42) Bromodichloromethane	7.91	83	50765	0.388	ppbv #	92
43) Methyl Methacrylate	8.14	69	20867	0.347	ppbv	99
44) 2,2,4-Trimethylpentane	7.99	57	97279	0.381	ppbv	94

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Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Quant Time: Mar 19 06:52:52 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Mar 15 14:52:14 2019
QLast Update : Fri Mar 15 14:52:14 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) t-1,3-Dichloropropene	9.41	75	21125	0.285	ppbv	100
46) cis-1,3-Dichloropropene	8.83	75	27881	0.319	ppbv	99
47) 1,1,2-Trichloroethane	9.61	97	16892	0.265	ppbv	96
48) Dibromochloromethane	10.44	129	25136	0.235	ppbv #	40
49) Bromoform	13.20	173	34402	0.339	ppbv	98
50) 4-Methyl-2-Pentanone	8.89	43	56717	0.355	ppbv	97
51) 2-Hexanone	10.30	43	39309	0.319	ppbv #	98
52) Tetrachloroethene	11.37	164	14258	0.222	ppbv	91
53) Toluene	9.94	91	59949	0.342	ppbv	97
54) 1,2-Dibromoethane	10.75	107	42927	0.398	ppbv	94
56) 1,1,1,2-Tetrachloroethane	12.28	131	36747	0.435	ppbv #	1
57) Chlorobenzene	12.30	112	67824	0.454	ppbv	97
58) Ethyl Benzene	12.86	91	91839	0.344	ppbv	96
59) m/p-Xylene	13.13	91	30285	0.132	ppbv #	100
60) o-Xylene	13.85	91	36340	0.162	ppbv #	6
61) Styrene	13.69	104	20955	0.134	ppbv #	6
62) Isopropylbenzene	14.82	105	124743	0.401	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.84	83	66816	0.413	ppbv	99
64) n-propylbenzene	15.73	120	13775	0.175	ppbv #	1
65) tert-Butylbenzene	16.90	119	100513	0.359	ppbv	94
66) Benzyl Chloride	17.16	91	23847	0.206	ppbv #	90
67) sec-Butylbenzene	17.46	105	147783	0.372	ppbv	100
69) p-Isopropyltoluene	17.82	119	115500	0.356	ppbv	95
70) n-Butylbenzene	18.71	91	123379	0.357	ppbv	99
71) 2-Chlorotoluene	15.61	91	14636	0.060	ppbv #	46
72) 4-Ethyltoluene	16.00	105	87612	0.345	ppbv #	95
73) 1,3,5-Trimethylbenzene	16.16	105	89088	0.360	ppbv	99
74) 1,2,4-Trimethylbenzene	16.92	105	100582	0.384	ppbv	92
75) 1,3-Dichlorobenzene	17.16	146	36086	0.234	ppbv #	27
76) 1,4-Dichlorobenzene	17.30	146	61683	0.412	ppbv	97
77) 1,2-Dichlorobenzene	17.99	146	28673	0.196	ppbv #	23
78) Hexachloro-1,3-Butadiene	23.54	225	28988	0.330	ppbv #	60
79) Naphthalene	22.42	128	34778	0.138	ppbv	98
80) Naphthalene,2-methyl-	25.12	142	38961	0.325	ppbv	97
81) 1,2,4-Trichlorobenzene	22.14	180	50026	0.388	ppbv	97

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

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MSVOA_L
ClientSampleId :
0.4 MDL

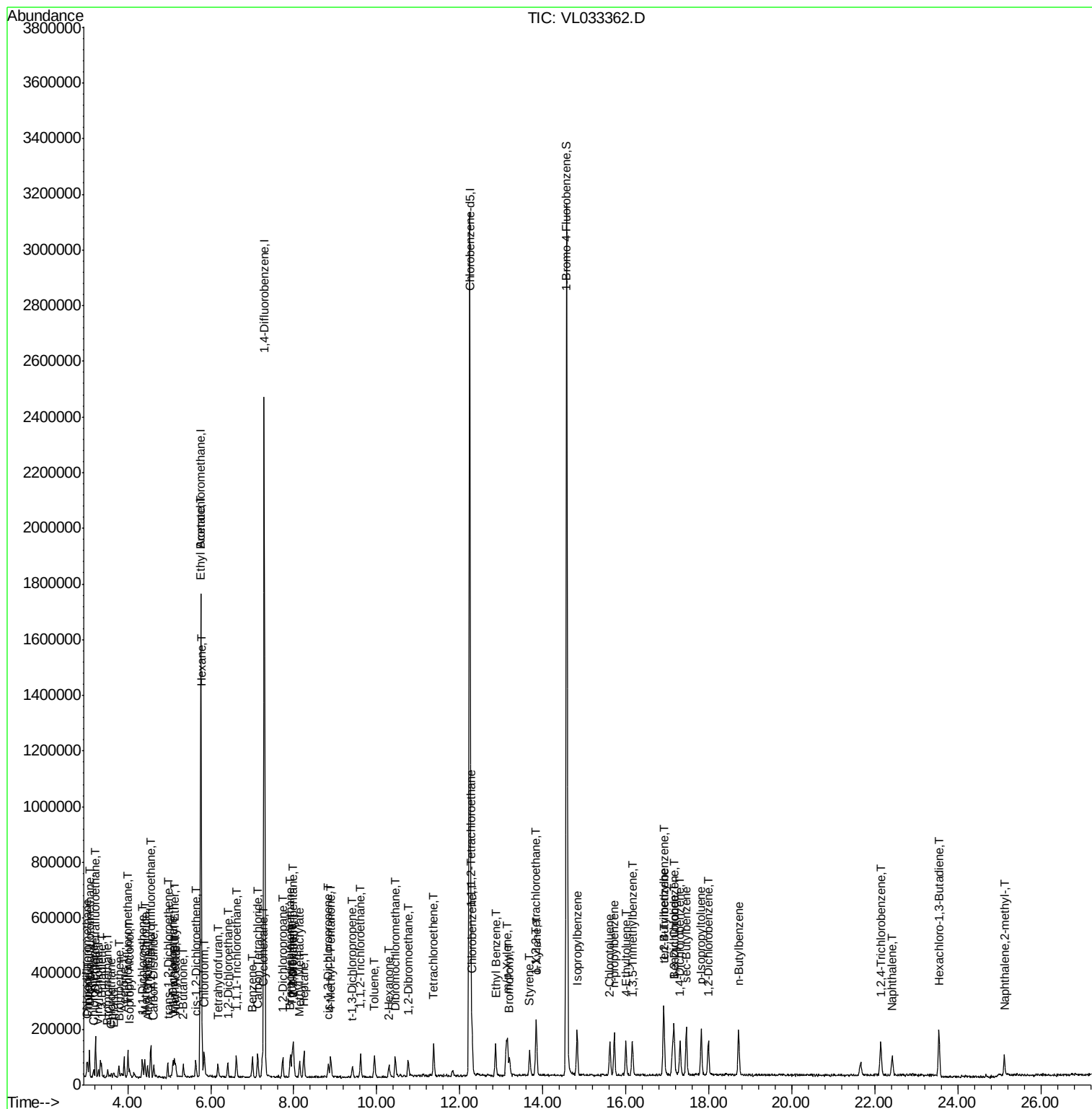
Quant Time: Mar 19 06:52:52 2019

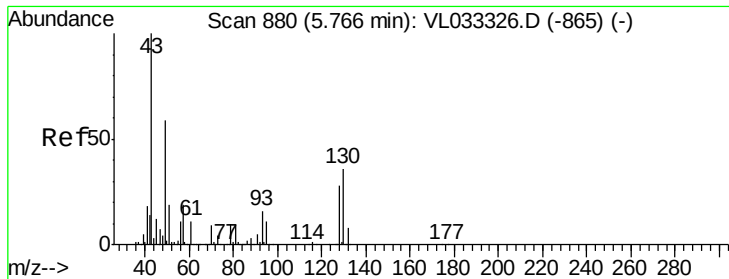
Quant Method : Z:\VOASRV\HPCHEM1\MSV0A_L\METHODS\VL031519AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LFri Mar 15 14:52:14 2019

QLast Update : Fri Mar 15 14:52:14 2019

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 878

Delta R.T. -0.01 min

Lab File: VL033362.D

Acq: 18 Mar 2019 17:27

Instrument :

MSVOA_L

ClientSampled :

0.4 MDL

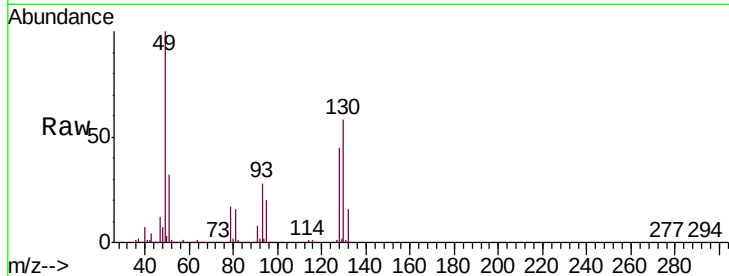
Tgt Ion: 49 Resp: 781422

Ion Ratio Lower Upper

49 100

128 46.4 23.5 70.6

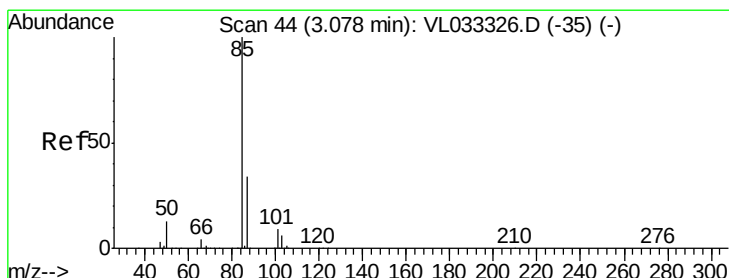
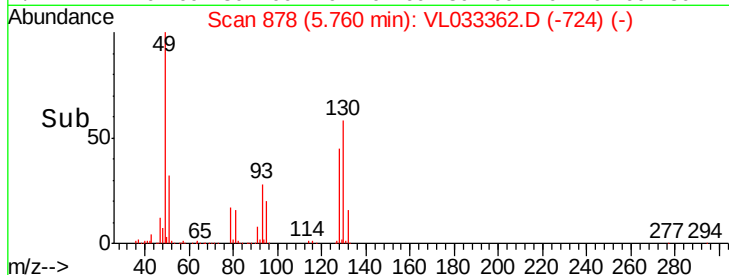
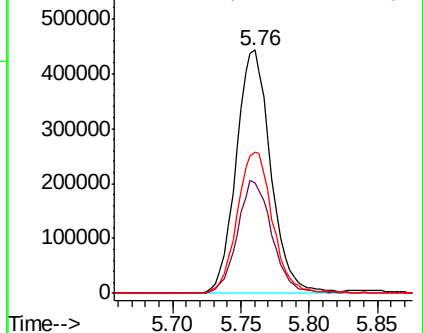
130 60.0 30.1 90.3



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: 0.453 ppbv

RT: 3.08 min Scan# 44

Delta R.T. -0.00 min

Lab File: VL033362.D

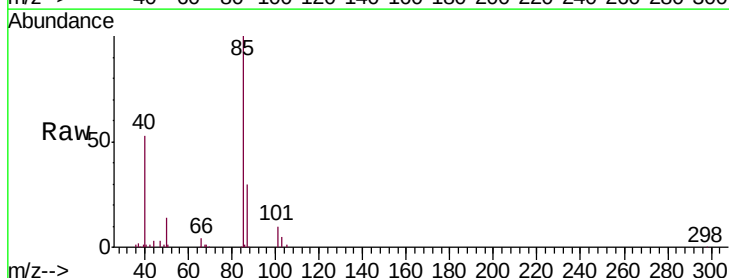
Acq: 18 Mar 2019 17:27

Tgt Ion: 85 Resp: 62262

Ion Ratio Lower Upper

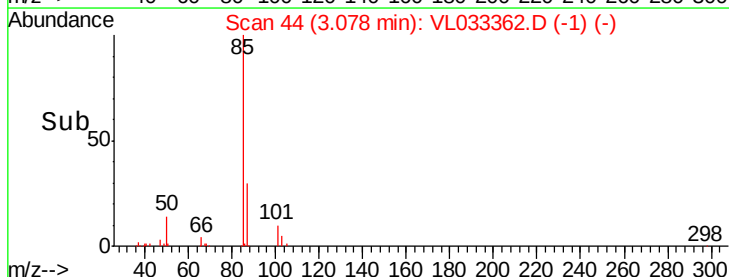
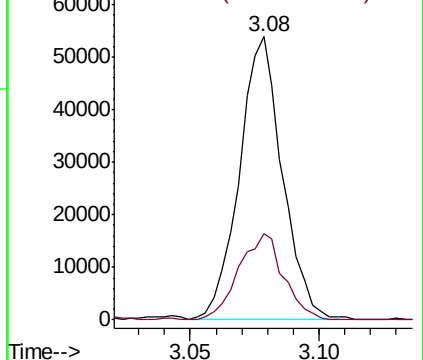
85 100

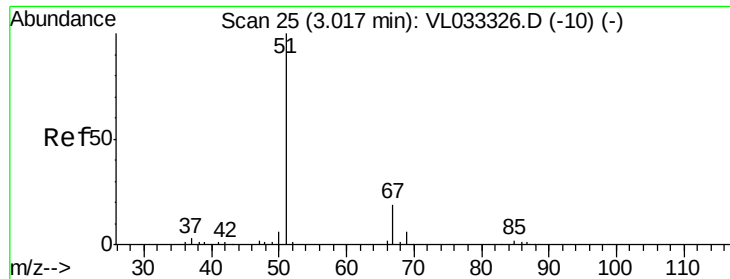
87 30.5 26.9 40.3



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.439 ppbv

RT: 3.01 min Scan# 24

Delta R.T. -0.00 min

Lab File: VL033362.D

Acq: 18 Mar 2019 17:27

Instrument :

MSVOA_L

ClientSampleId :

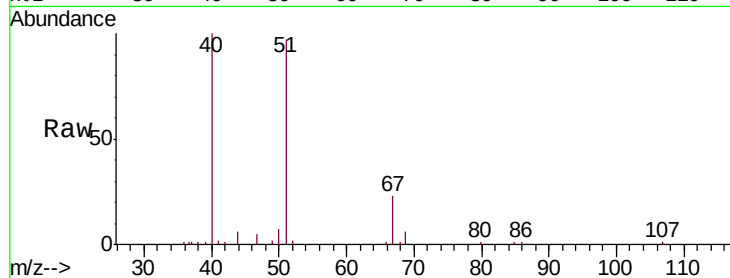
0.4 MDL

Tgt Ion: 51 Resp: 39385

Ion Ratio Lower Upper

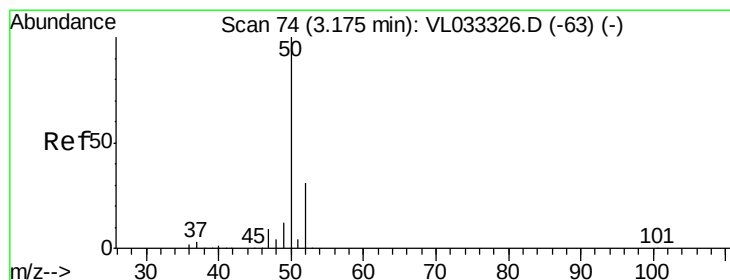
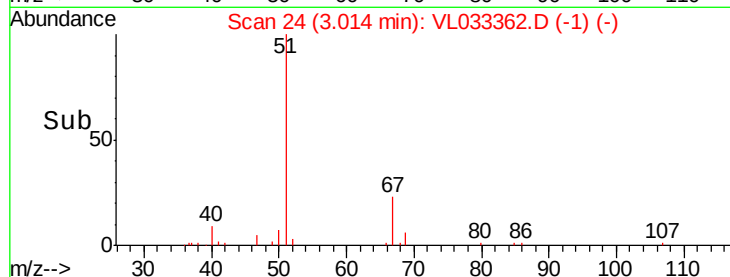
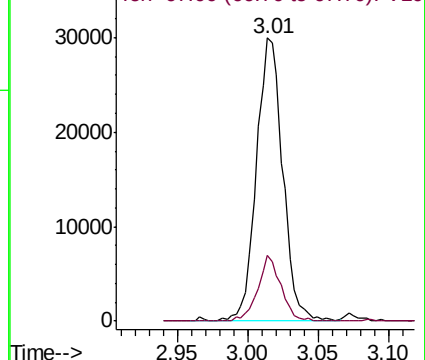
51 100

67 20.1 14.9 22.3



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.227 ppbv

RT: 3.17 min Scan# 72

Delta R.T. -0.01 min

Lab File: VL033362.D

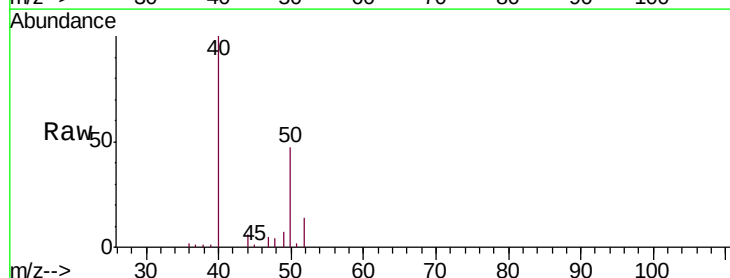
Acq: 18 Mar 2019 17:27

Tgt Ion: 50 Resp: 11034

Ion Ratio Lower Upper

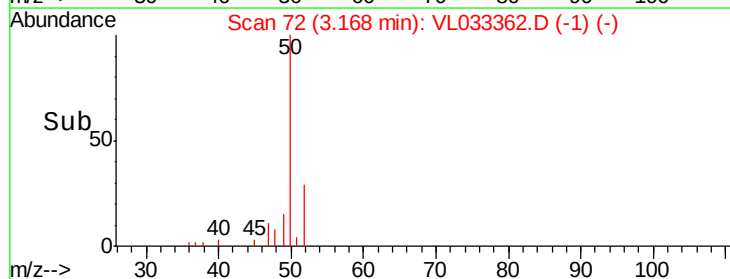
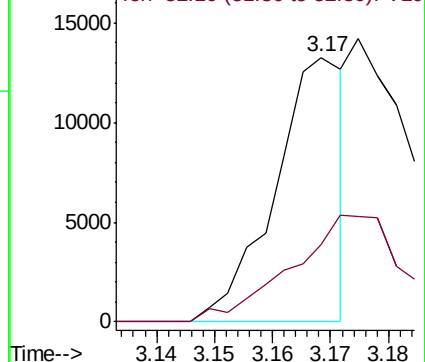
50 100

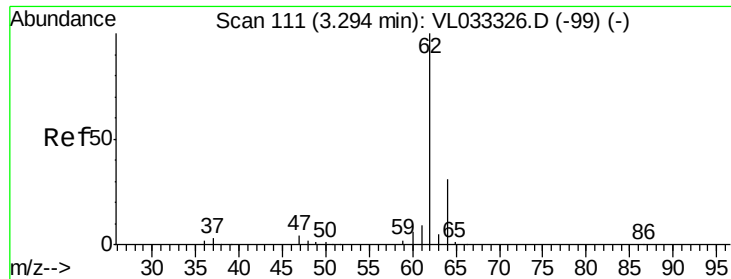
52 28.4 25.0 37.6



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.404 ppbv

RT: 3.29 min Scan# 111

Delta R.T. -0.00 min

Lab File: VL033362.D

Acq: 18 Mar 2019 17:27

Instrument :

MSVOA_L

ClientSampleId :

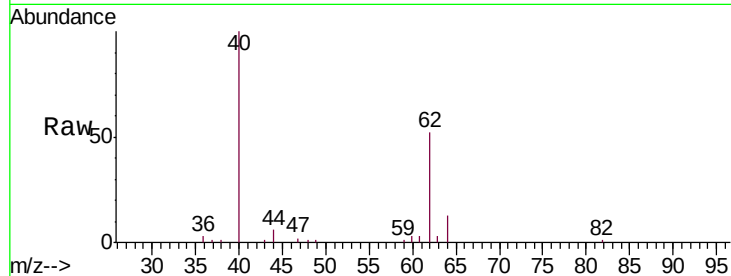
0.4 MDL

Tgt Ion: 62 Resp: 20262

Ion Ratio Lower Upper

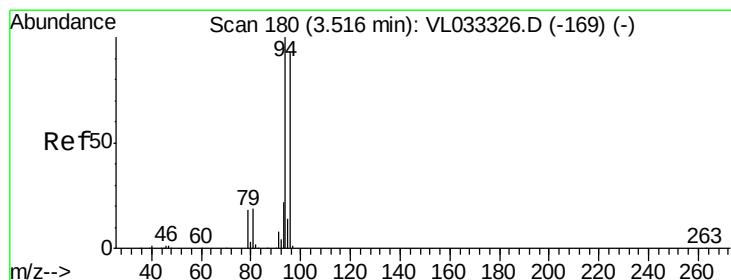
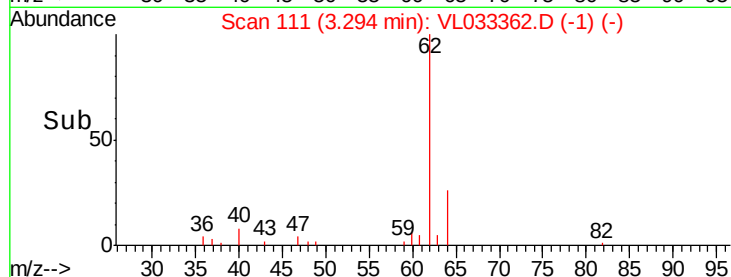
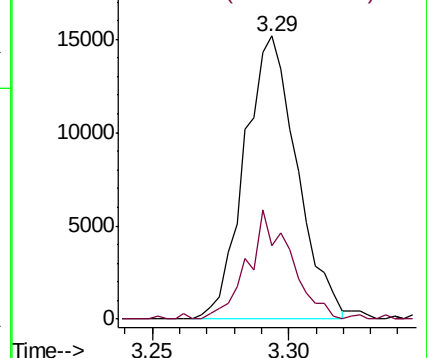
62 100

64 25.8 25.0 37.6



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 0.432 ppbv

RT: 3.52 min Scan# 181

Delta R.T. 0.00 min

Lab File: VL033362.D

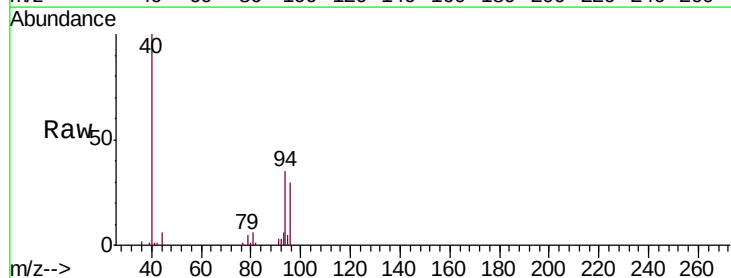
Acq: 18 Mar 2019 17:27

Tgt Ion: 94 Resp: 12861

Ion Ratio Lower Upper

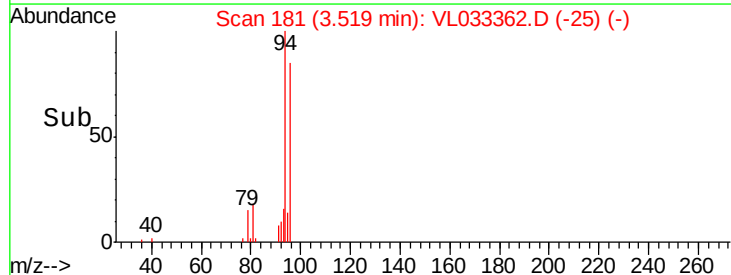
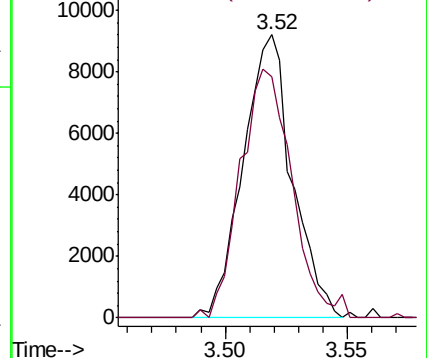
94 100

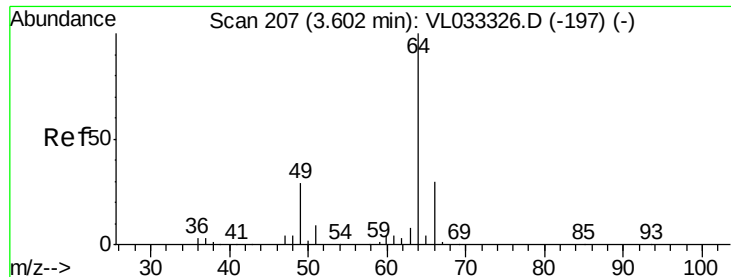
96 85.0 74.6 111.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 0.415 ppbv

RT: 3.61 min Scan# 208

Delta R.T. 0.00 min

Lab File: VL033362.D

Acq: 18 Mar 2019 17:27

Instrument :

MSVOA_L

ClientSampleId :

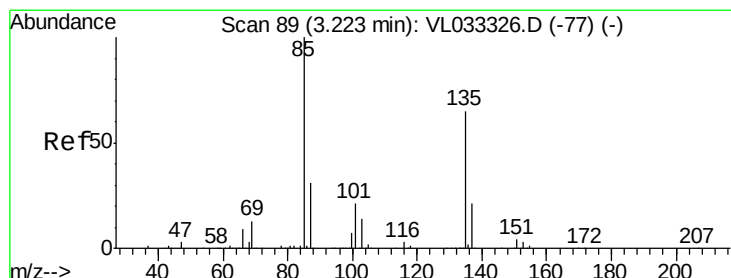
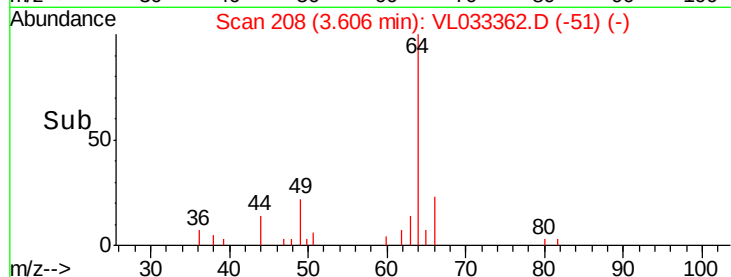
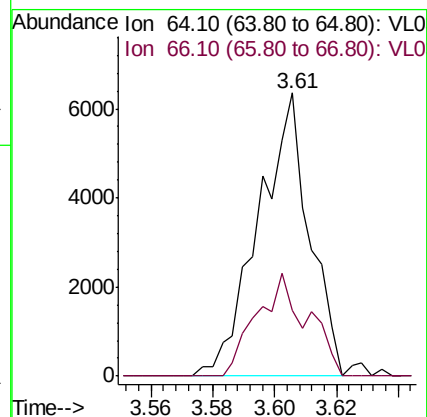
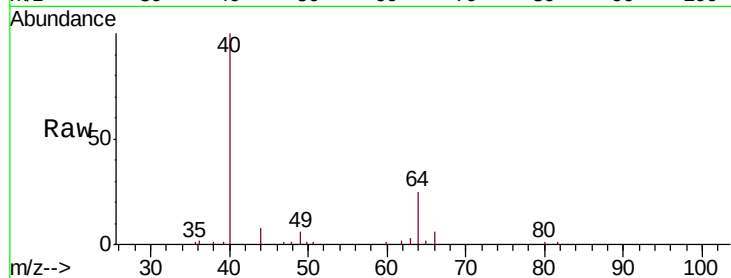
0.4 MDL

Tgt Ion: 64 Resp: 7258

Ion Ratio Lower Upper

64 100

66 23.3 24.0 36.0#



#8

Dichlorotetrafluoroethane

Concen: 0.462 ppbv

RT: 3.22 min Scan# 88

Delta R.T. -0.00 min

Lab File: VL033362.D

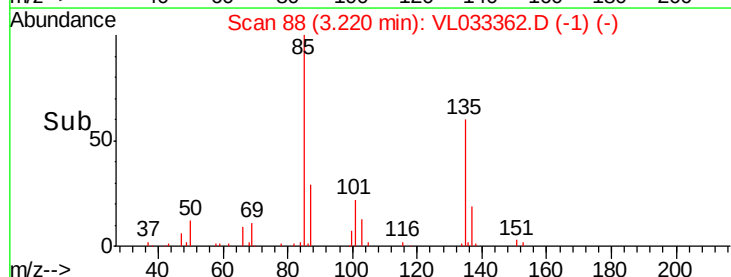
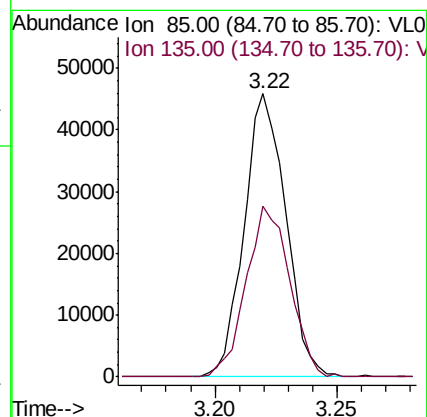
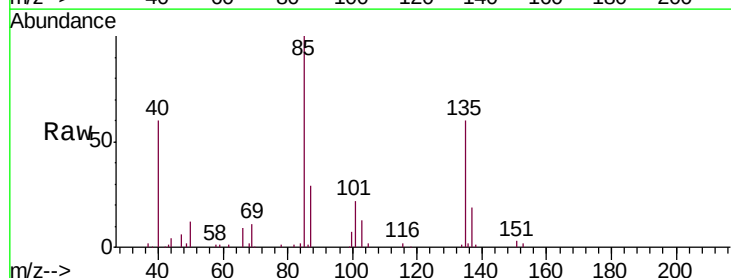
Acq: 18 Mar 2019 17:27

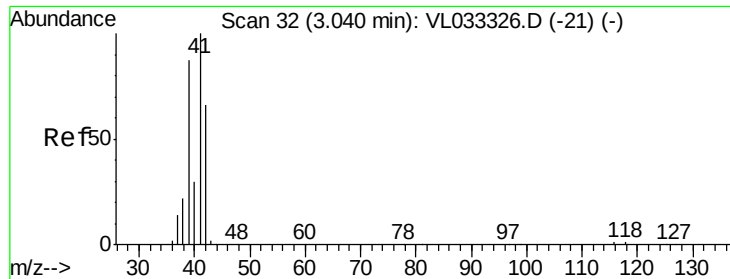
Tgt Ion: 85 Resp: 54048

Ion Ratio Lower Upper

85 100

135 63.4 53.4 80.2





#9

Propene

Concen: 0.472 ppbv

RT: 3.04 min Scan# 31

Delta R.T. -0.00 min

Lab File: VL033362.D

Acq: 18 Mar 2019 17:27

Instrument :

MSVOA_L

ClientSampleId :

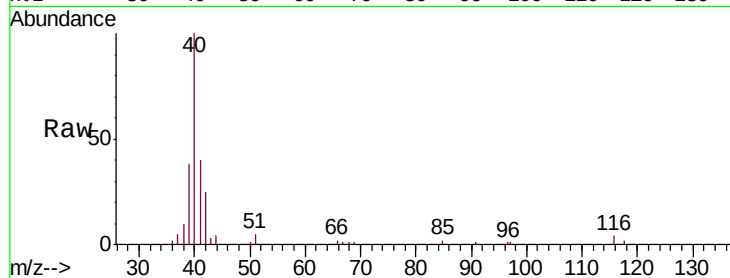
0.4 MDL

Tgt Ion: 41 Resp: 18910

Ion Ratio Lower Upper

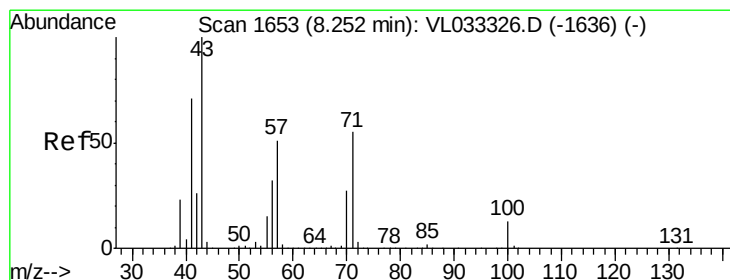
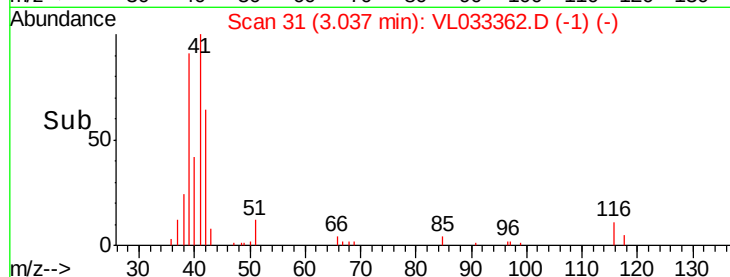
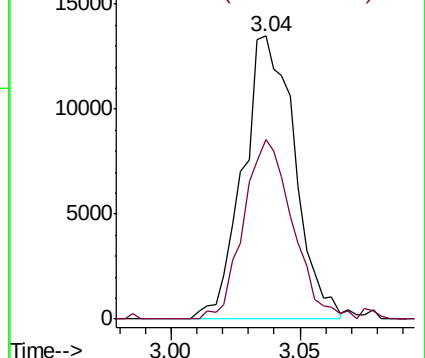
41 100

42 61.4 55.2 82.8



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 0.362 ppbv

RT: 8.25 min Scan# 1651

Delta R.T. -0.01 min

Lab File: VL033362.D

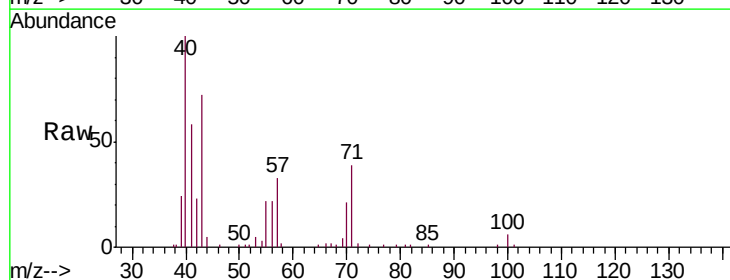
Acq: 18 Mar 2019 17:27

Tgt Ion: 43 Resp: 35989

Ion Ratio Lower Upper

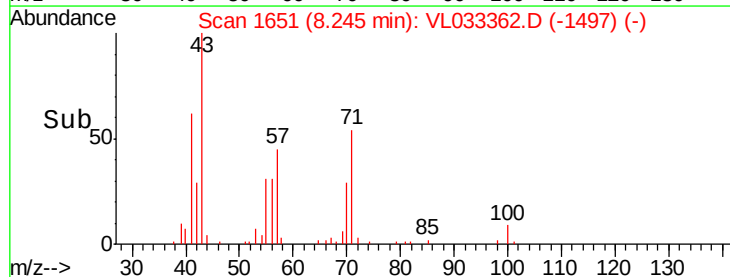
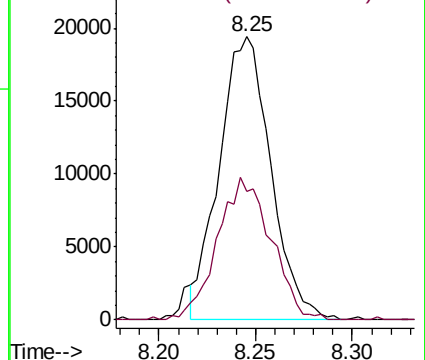
43 100

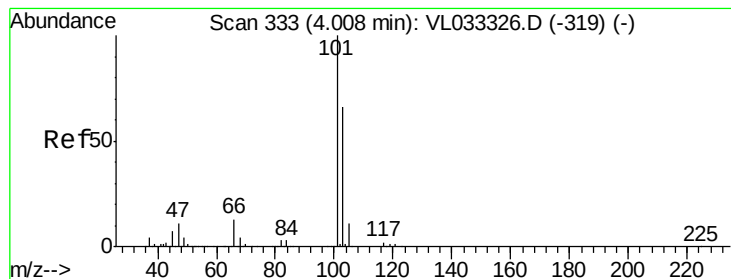
57 52.3 40.4 60.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#11

Trichlorofluoromethane

Concen: 0.438 ppbv

RT: 4.01 min Scan# 333

Delta R.T. -0.00 min

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Acq: 18 Mar 2019 17:27

Instrument :

MSVOA_L

ClientSampleId :

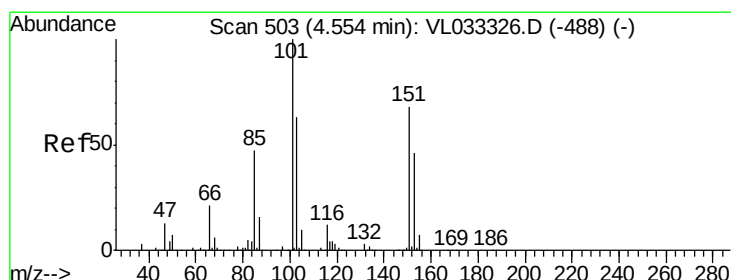
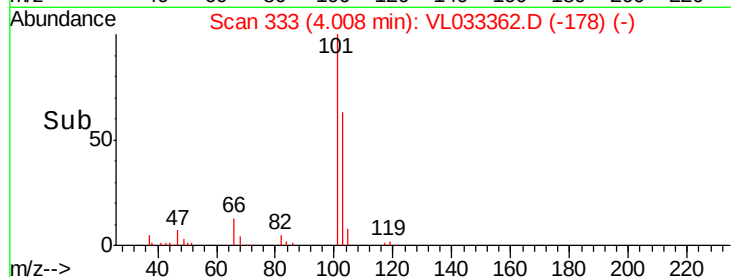
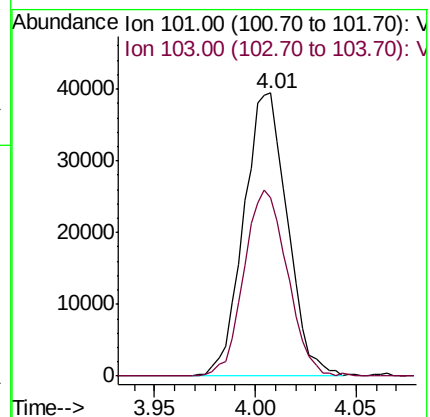
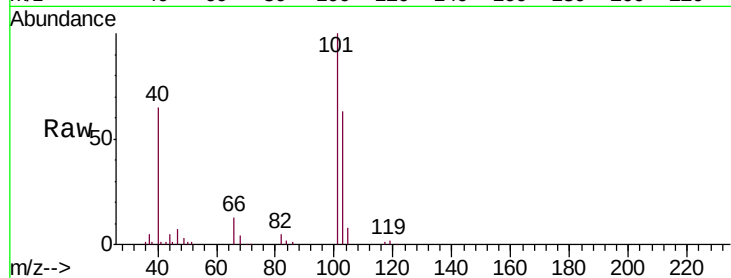
0.4 MDL

Tgt Ion:101 Resp: 59993

Ion Ratio Lower Upper

101 100

103 63.3 52.9 79.3



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.433 ppbv

RT: 4.55 min Scan# 502

Delta R.T. -0.00 min

Lab File: VL033362.D

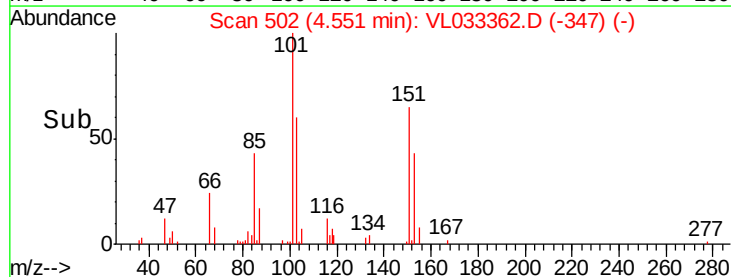
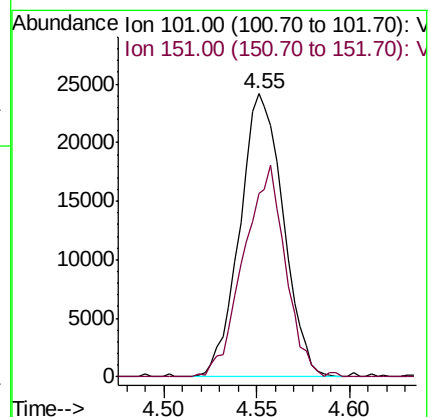
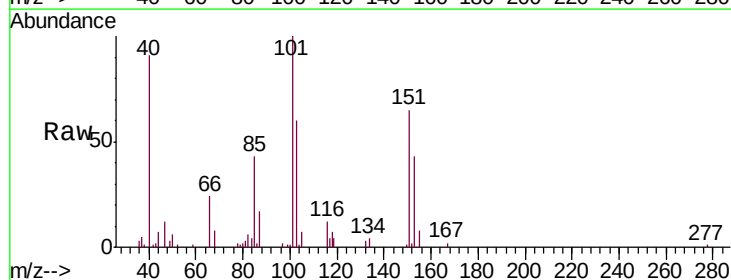
Acq: 18 Mar 2019 17:27

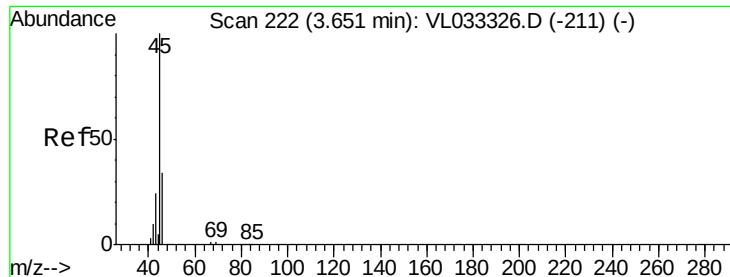
Tgt Ion:101 Resp: 39305

Ion Ratio Lower Upper

101 100

151 72.0 56.3 84.5





#13

Ethanol

Concen: 0.721 ppbv

RT: 3.66 min Scan# 224

Delta R.T. 0.01 min

Lab File: VL033362.D

Acq: 18 Mar 2019 17:27

Instrument :

MSVOA_L

ClientSampleId :

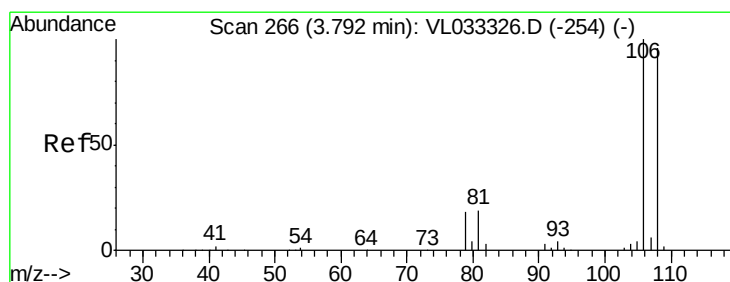
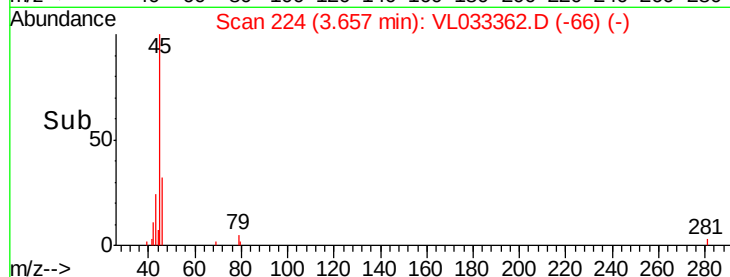
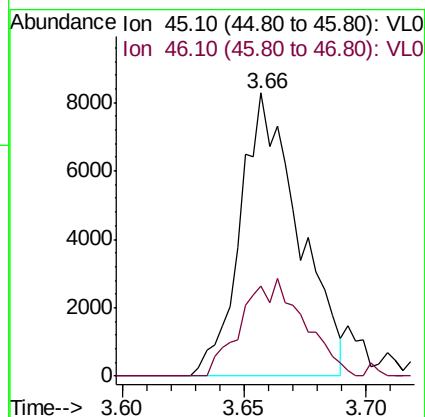
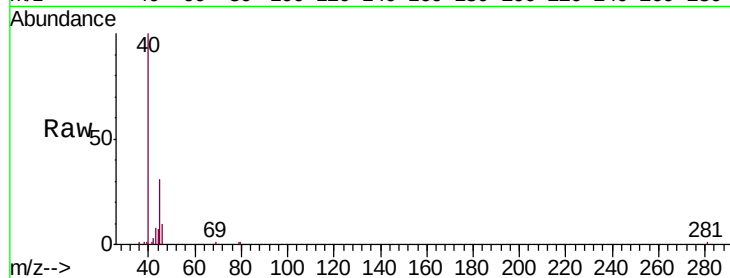
0.4 MDL

Tgt Ion: 45 Resp: 13770

Ion Ratio Lower Upper

45 100

46 37.7 14.9 59.7



#14

Bromoethene

Concen: 0.397 ppbv

RT: 3.79 min Scan# 265

Delta R.T. -0.00 min

Lab File: VL033362.D

Acq: 18 Mar 2019 17:27

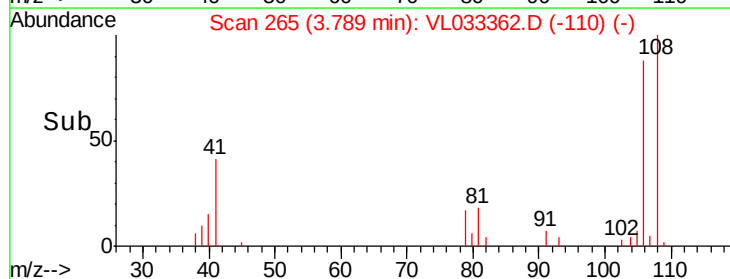
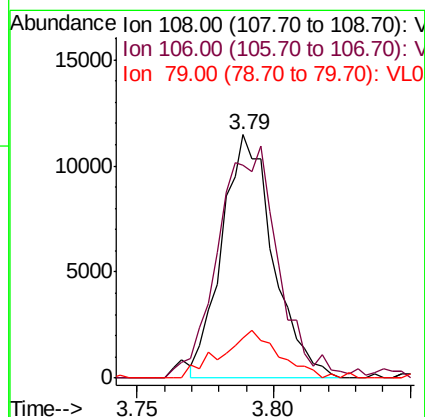
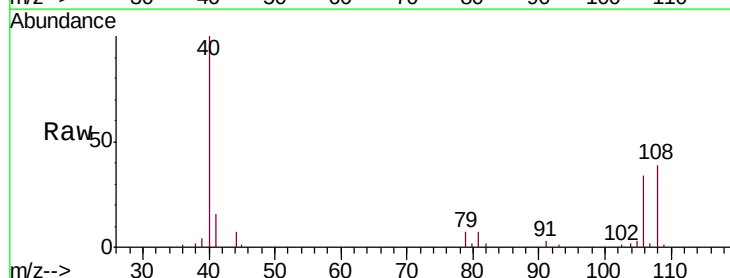
Tgt Ion: 108 Resp: 15014

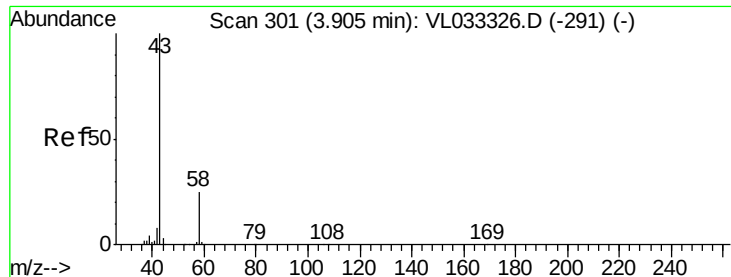
Ion Ratio Lower Upper

108 100

106 113.0 86.2 129.2

79 22.3 15.4 23.2





#15

Acetone

Concen: 0.547 ppbv

RT: 3.91 min Scan# 302

Delta R.T. 0.00 min

Lab File: VL033362.D

Acq: 18 Mar 2019 17:27

Instrument :

MSVOA_L

ClientSampleId :

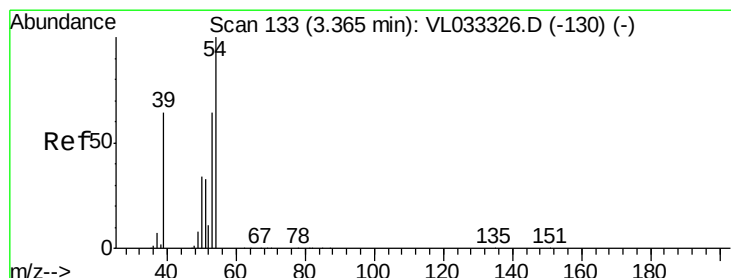
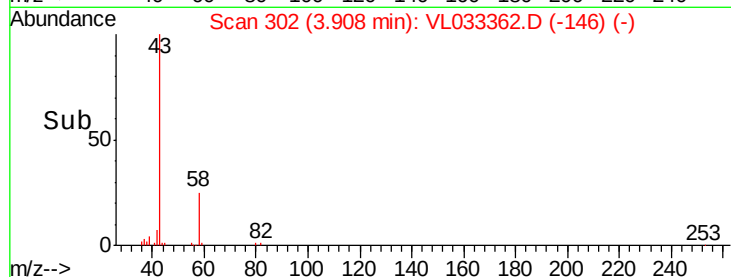
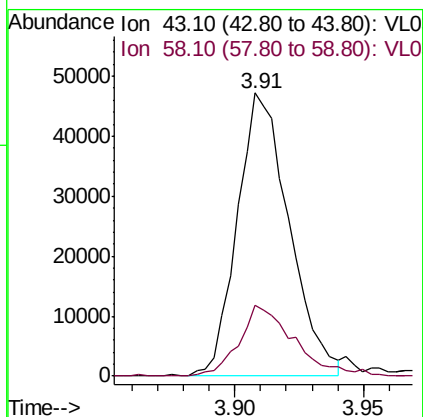
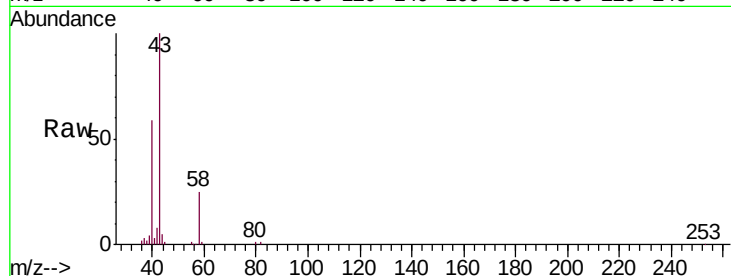
0.4 MDL

Tgt Ion: 43 Resp: 66384

Ion Ratio Lower Upper

43 100

58 26.7 20.4 30.6



#16

1,3-Butadiene

Concen: 0.395 ppbv

RT: 3.37 min Scan# 134

Delta R.T. 0.00 min

Lab File: VL033362.D

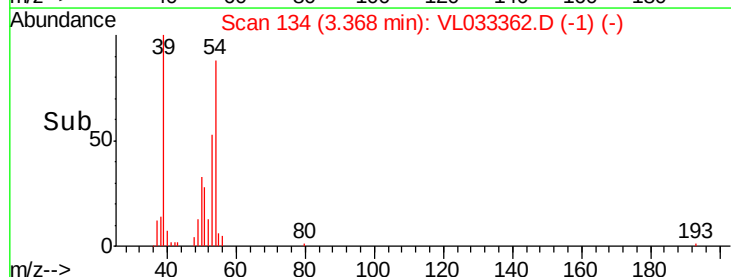
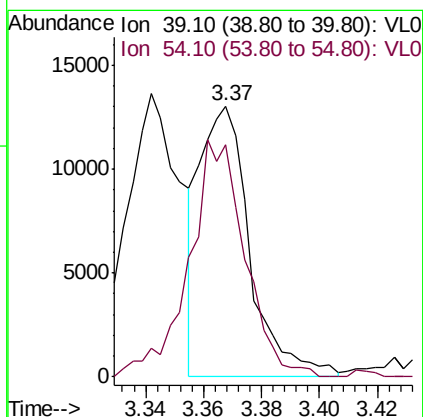
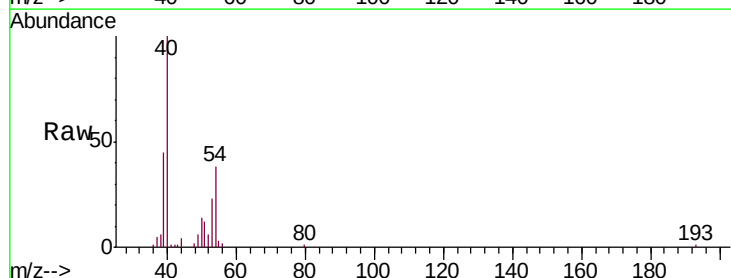
Acq: 18 Mar 2019 17:27

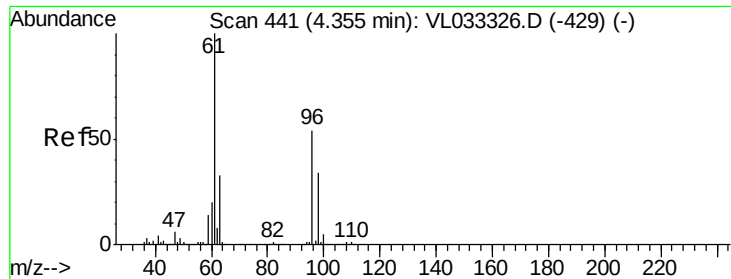
Tgt Ion: 39 Resp: 15583

Ion Ratio Lower Upper

39 100

54 99.3 76.8 115.2

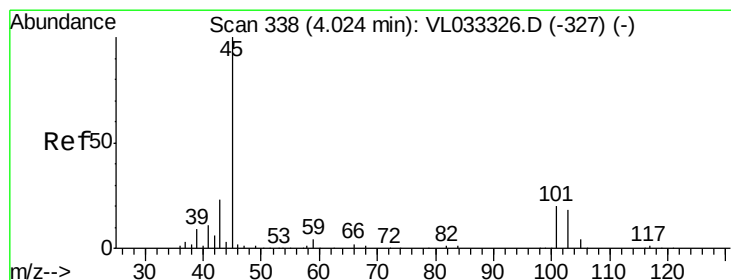
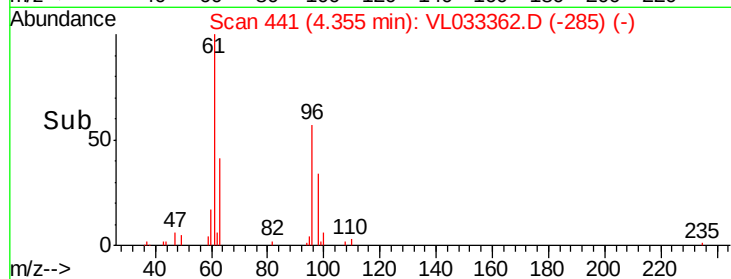
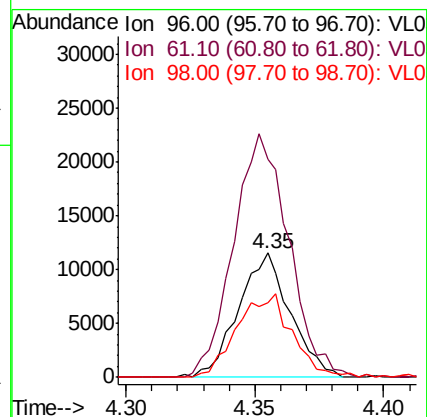
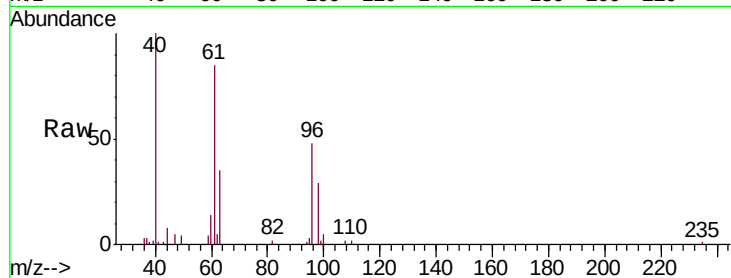




#18
 1,1-Dichloroethene
 Concen: 0.390 ppbv
 RT: 4.35 min Scan# 441
 Delta R.T. -0.00 min
 Lab File: VL033362.D
 Acq: 18 Mar 2019 17:27

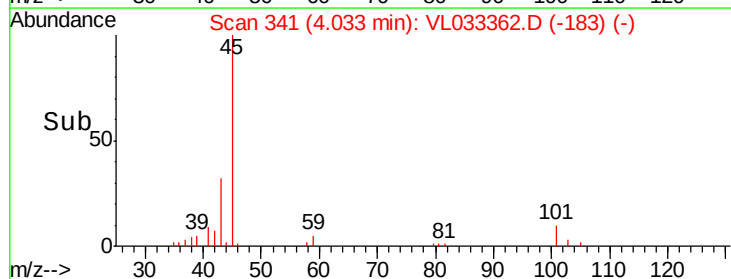
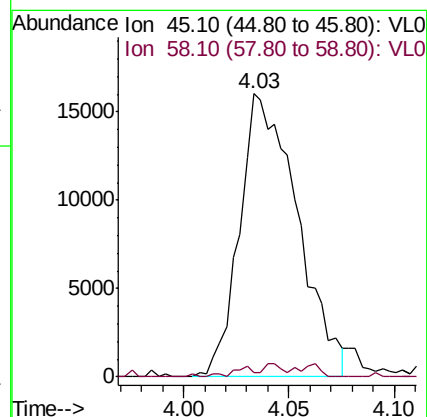
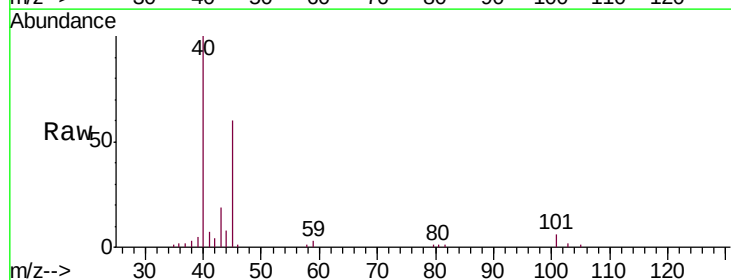
Instrument :
 MSVOA_L
 ClientSampleId :
 0.4 MDL

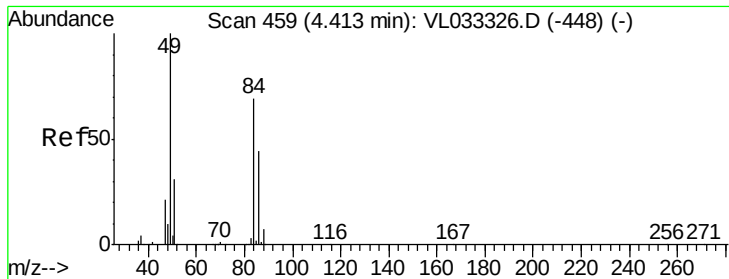
Tgt Ion: 96 Resp: 16185
 Ion Ratio Lower Upper
 96 100
 61 171.2 148.6 222.8
 98 60.1 50.3 75.5



#19
 Isopropyl Alcohol
 Concen: 0.527 ppbv
 RT: 4.03 min Scan# 341
 Delta R.T. 0.01 min
 Lab File: VL033362.D
 Acq: 18 Mar 2019 17:27

Tgt Ion: 45 Resp: 30442
 Ion Ratio Lower Upper
 45 100
 58 4.5 1.5 2.3#

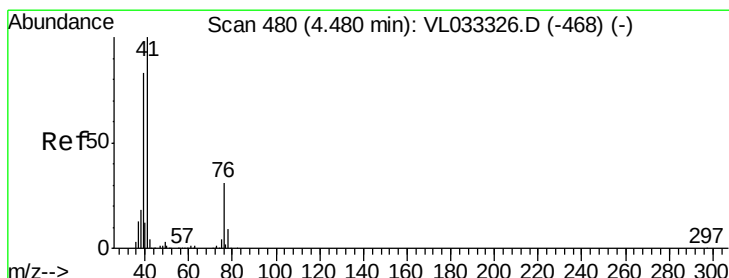
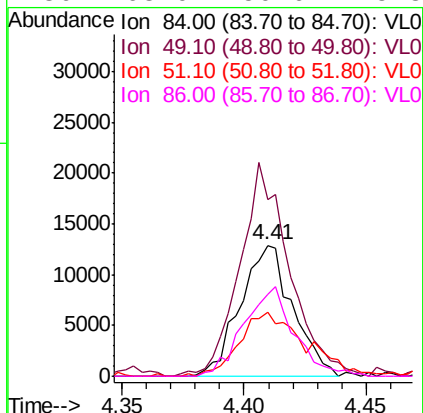
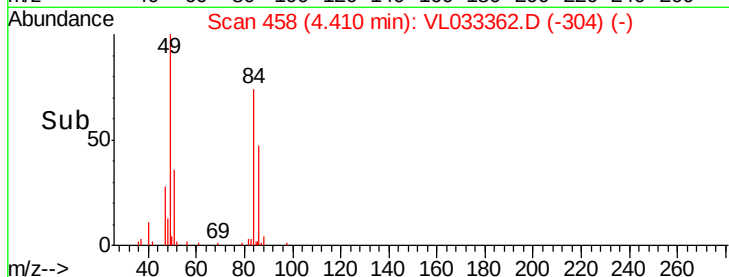
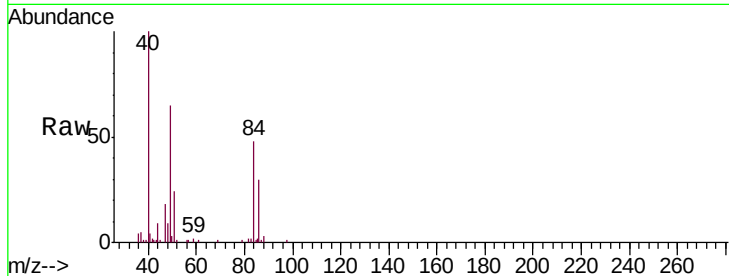




#20
Methylene Chloride
Concen: 0.485 ppbv
RT: 4.41 min Scan# 458
Delta R.T. -0.00 min
Lab File: VL033362.D
Acq: 18 Mar 2019 17:27

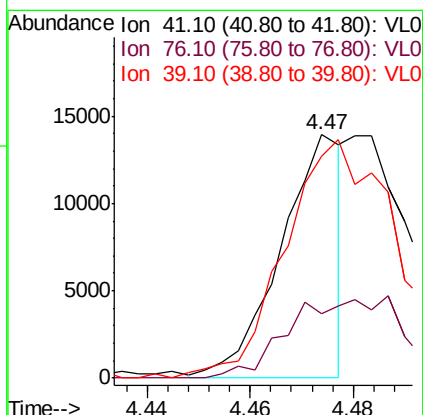
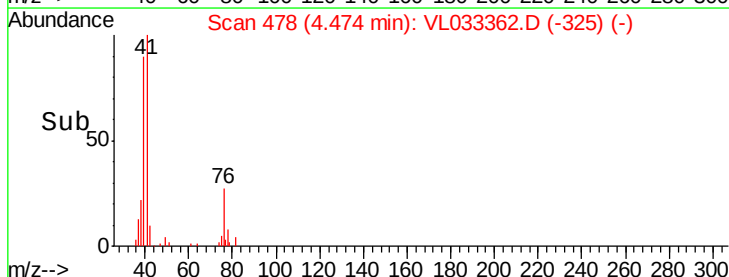
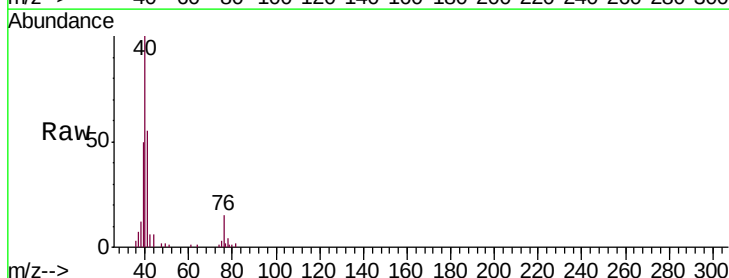
Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

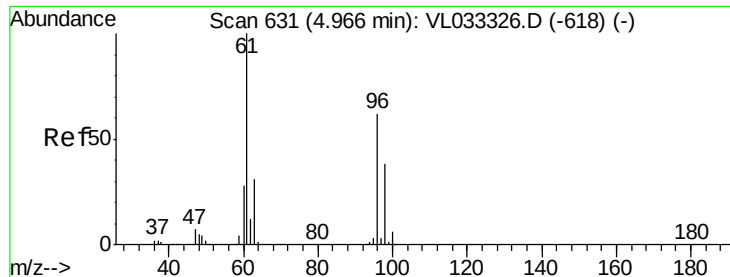
Tgt Ion:	84	Resp:	19207
Ion	Ratio	Lower	Upper
84	100		
49	127.3	115.4	173.0
51	45.5	35.8	53.6
86	63.0	50.6	75.8



#21
Allyl Chloride
Concen: 0.195 ppbv
RT: 4.47 min Scan# 478
Delta R.T. -0.01 min
Lab File: VL033362.D
Acq: 18 Mar 2019 17:27

Tgt Ion:	41	Resp:	11511
Ion	Ratio	Lower	Upper
41	100		
76	0.0	25.0	37.4#
39	187.1	65.9	98.9#





#22

trans-1,2-Dichloroethene

Concen: 0.401 ppbv

RT: 4.97 min Scan# 631

Delta R.T. -0.00 min

Lab File: VL033362.D

Acq: 18 Mar 2019 17:27

Instrument :

MSVOA_L

ClientSampleId :

0.4 MDL

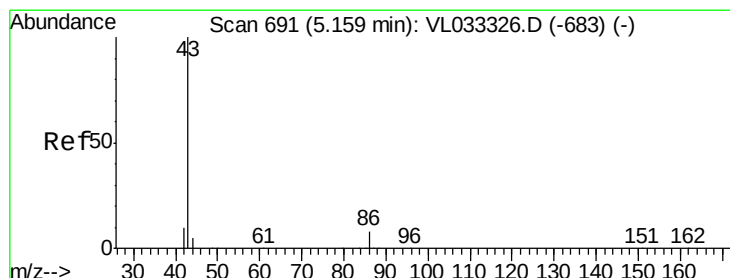
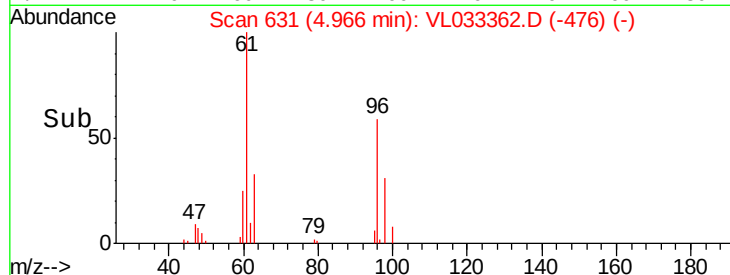
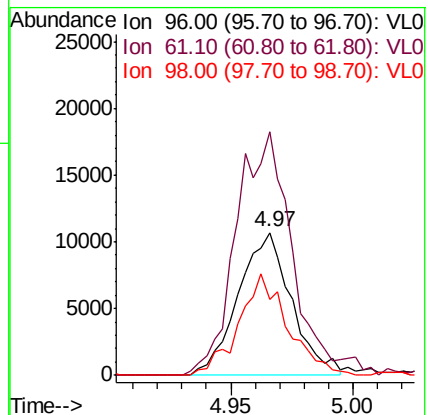
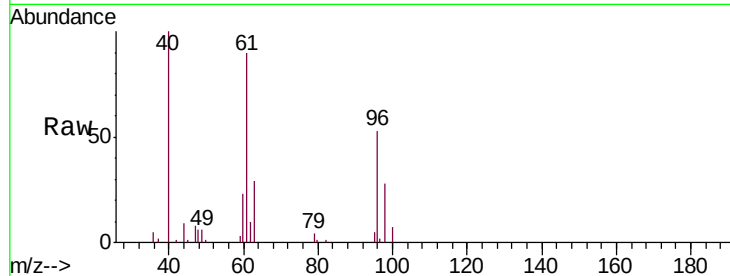
Tgt Ion: 96 Resp: 16149

Ion Ratio Lower Upper

96 100

61 161.5 130.0 195.0

98 50.9 50.0 75.0



#23

Vinyl Acetate

Concen: 0.442 ppbv

RT: 5.15 min Scan# 689

Delta R.T. -0.01 min

Lab File: VL033362.D

Acq: 18 Mar 2019 17:27

Tgt Ion: 43 Resp: 62094

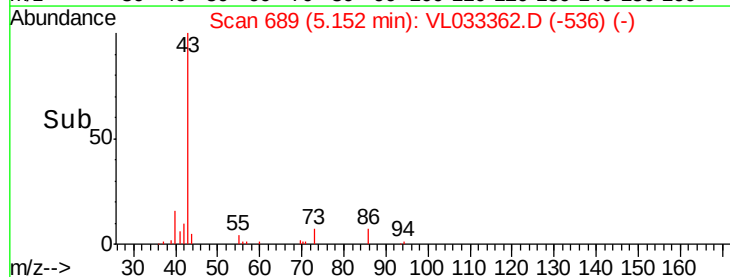
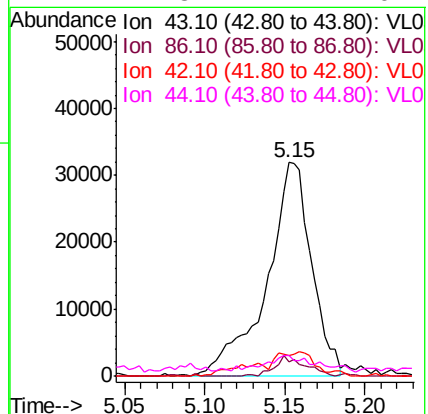
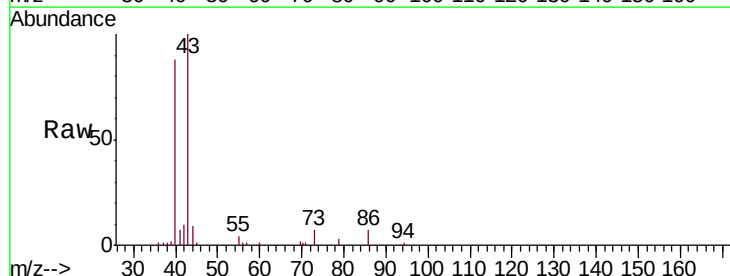
Ion Ratio Lower Upper

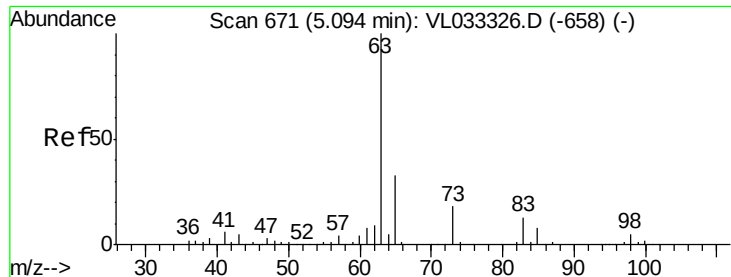
43 100

86 6.9 6.2 9.2

42 9.6 8.1 12.1

44 4.8 4.1 6.1





#24

1,1-Dichloroethane

Concen: 0.415 ppbv

RT: 5.09 min Scan# 670

Delta R.T. -0.00 min

Lab File: VL033362.D

Acq: 18 Mar 2019 17:27

Instrument :

MSVOA_L

ClientSampleId :

0.4 MDL

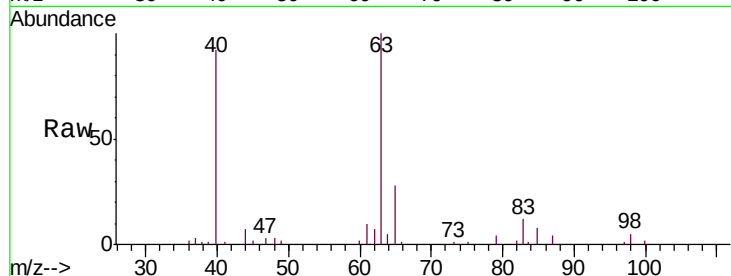
Tgt Ion: 63 Resp: 42150

Ion Ratio Lower Upper

63 100

98 4.5 2.4 7.1

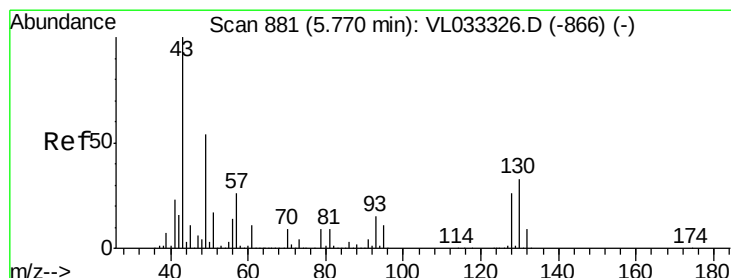
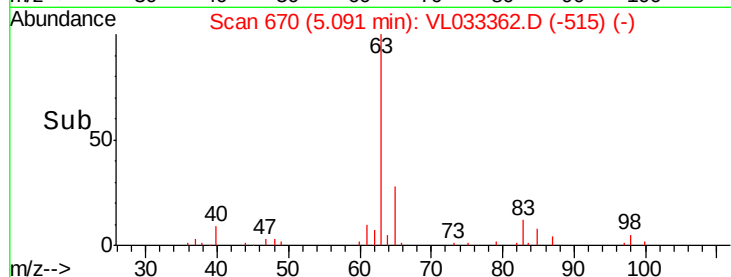
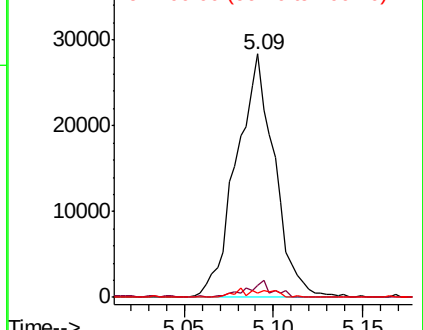
100 1.9 1.3 3.8



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



#25

Ethyl Acetate

Concen: 0.408 ppbv

RT: 5.77 min Scan# 882

Delta R.T. 0.00 min

Lab File: VL033362.D

Acq: 18 Mar 2019 17:27

Tgt Ion: 43 Resp: 72121

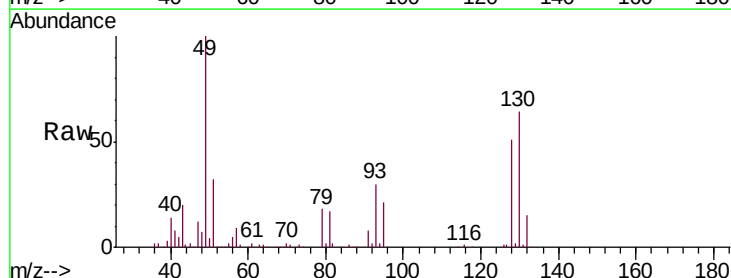
Ion Ratio Lower Upper

43 100

45 10.1 7.9 11.9

61 9.9 7.4 11.2

70 6.9 5.7 8.5

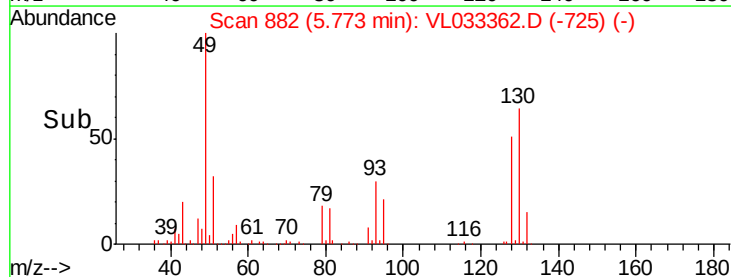
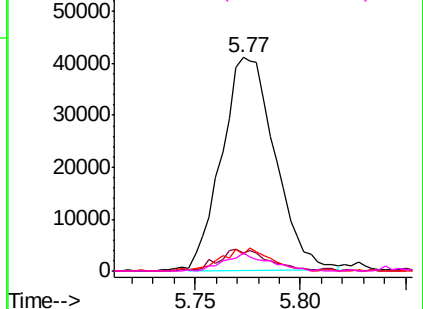


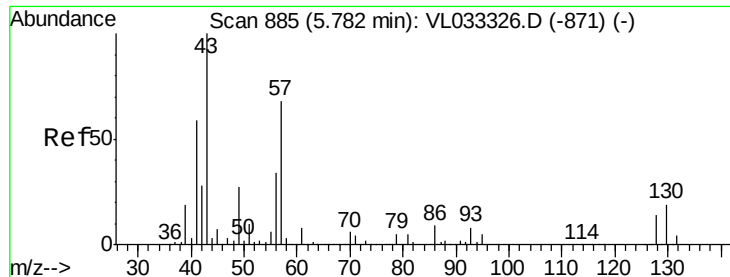
Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0

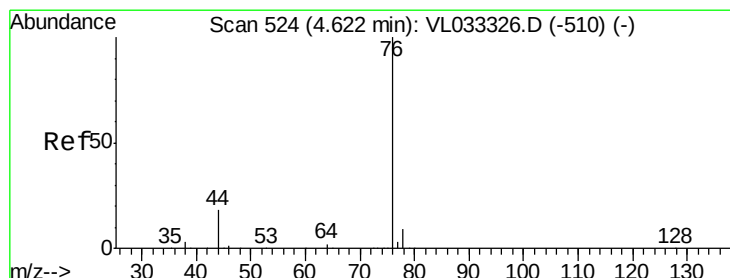
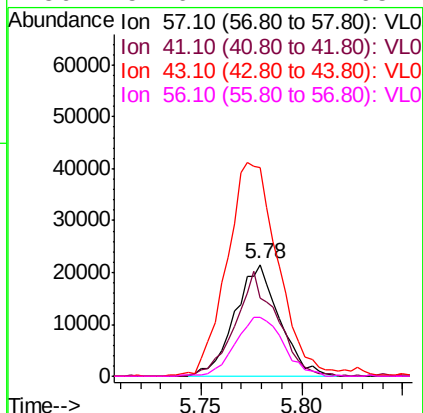
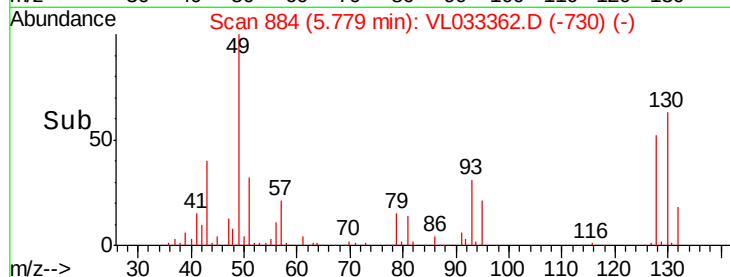
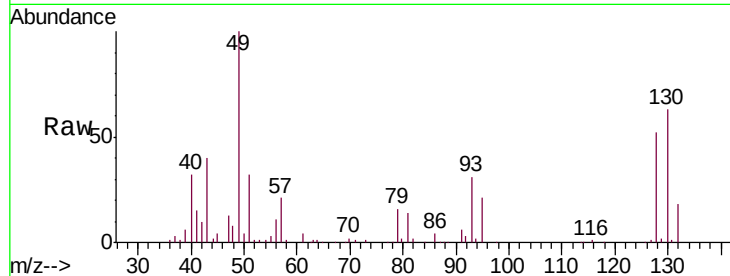




#26
Hexane
Concen: 0.420 ppbv
RT: 5.78 min Scan# 884
Delta R.T. -0.00 min
Lab File: VL033362.D
Acq: 18 Mar 2019 17:27

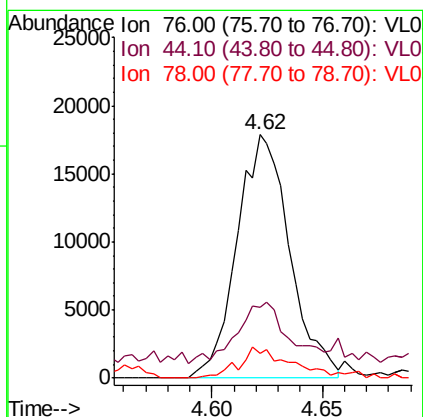
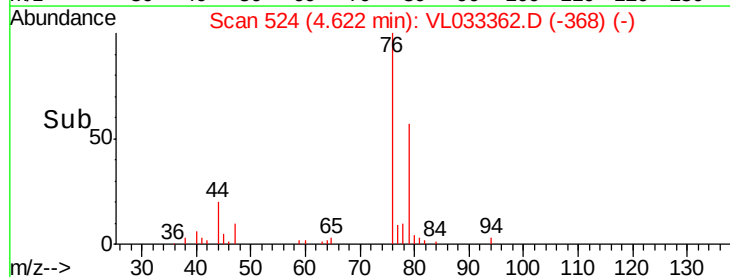
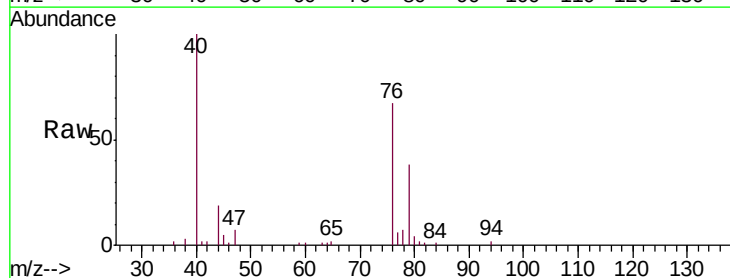
Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

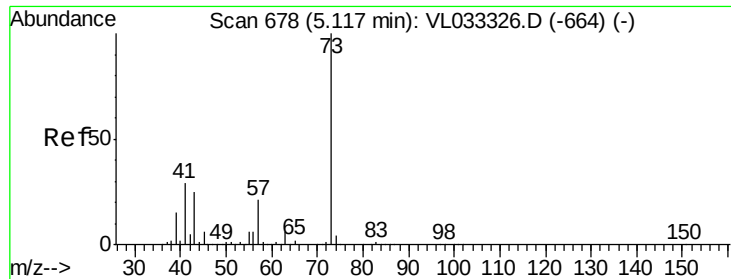
Tgt Ion: 57 Resp: 33145
Ion Ratio Lower Upper
57 100
41 87.8 70.5 105.7
43 225.7 181.8 272.8
56 57.6 42.2 63.2



#27
Carbon Disulfide
Concen: 0.326 ppbv
RT: 4.62 min Scan# 524
Delta R.T. -0.00 min
Lab File: VL033362.D
Acq: 18 Mar 2019 17:27

Tgt Ion: 76 Resp: 29628
Ion Ratio Lower Upper
76 100
44 32.0 15.2 22.8#
78 13.4 7.2 10.8#

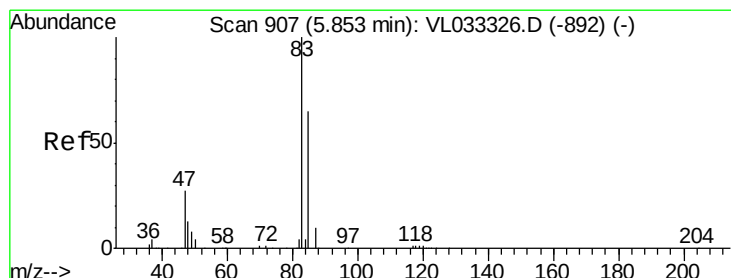
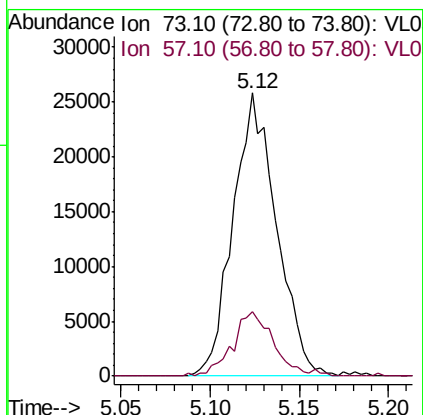
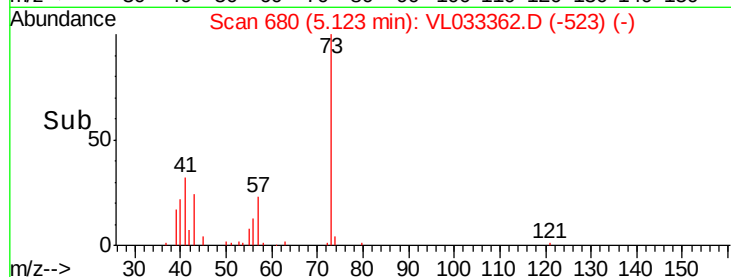
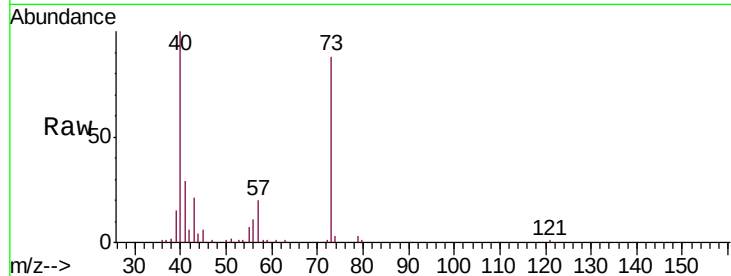




#28
Methyl tert-Butyl Ether
Concen: 0.374 ppbv
RT: 5.12 min Scan# 680
Delta R.T. 0.01 min
Lab File: VL033362.D
Acq: 18 Mar 2019 17:27

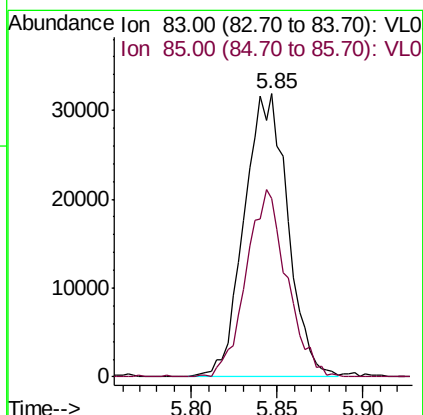
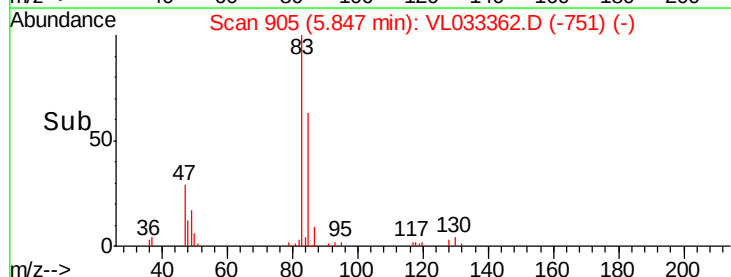
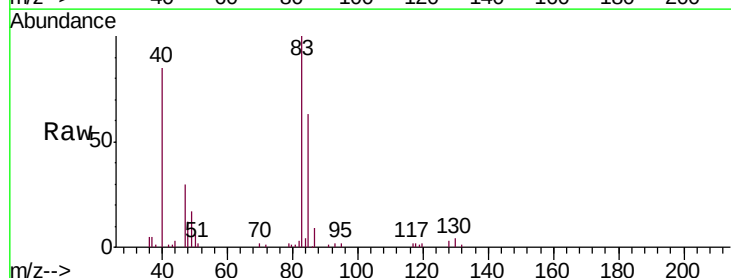
Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

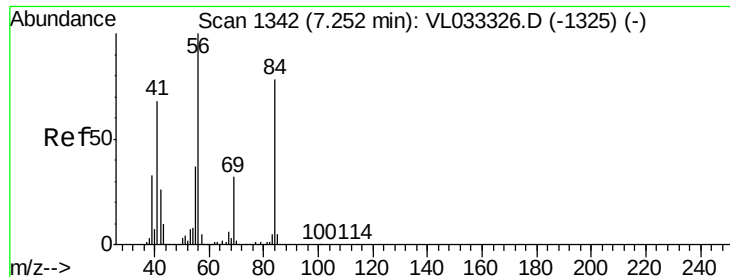
Tgt Ion: 73 Resp: 43798
Ion Ratio Lower Upper
73 100
57 21.7 17.4 26.0



#29
Chloroform
Concen: 0.434 ppbv
RT: 5.85 min Scan# 905
Delta R.T. -0.01 min
Lab File: VL033362.D
Acq: 18 Mar 2019 17:27

Tgt Ion: 83 Resp: 56125
Ion Ratio Lower Upper
83 100
85 63.0 52.0 78.0

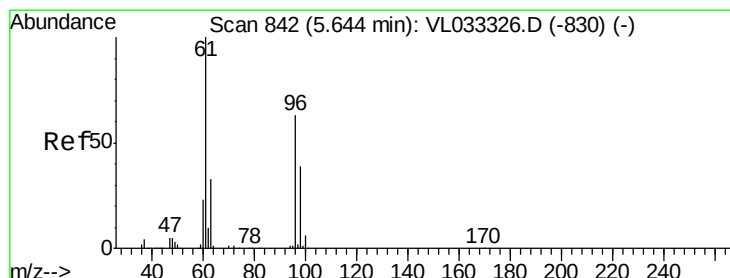
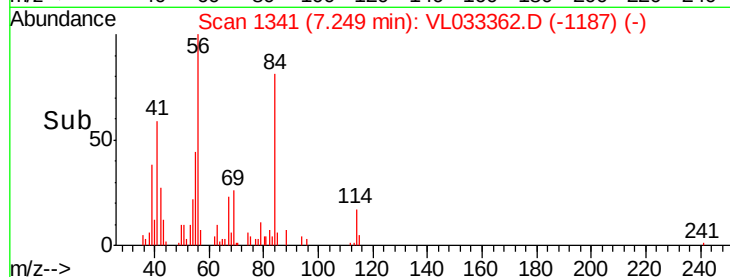
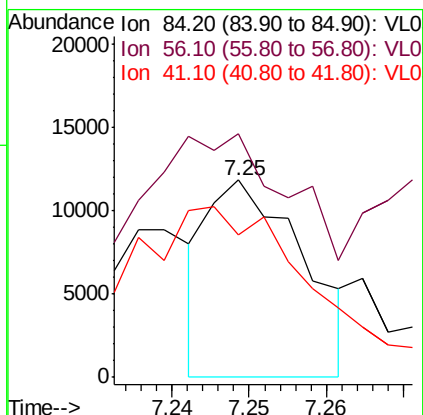
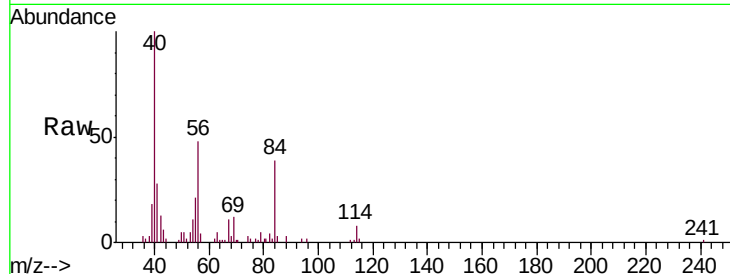




#30
Cyclohexane
Concen: 0.160 ppbv
RT: 7.25 min Scan# 1341
Delta R.T. -0.00 min
Lab File: VL033362.D
Acq: 18 Mar 2019 17:27

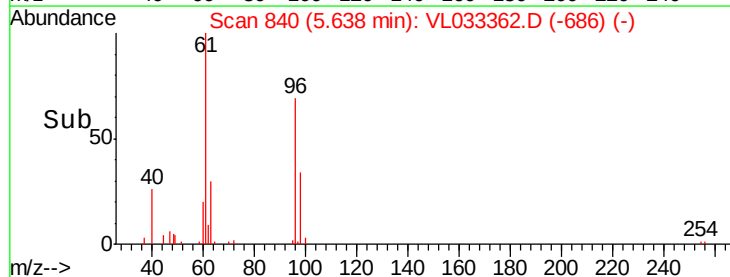
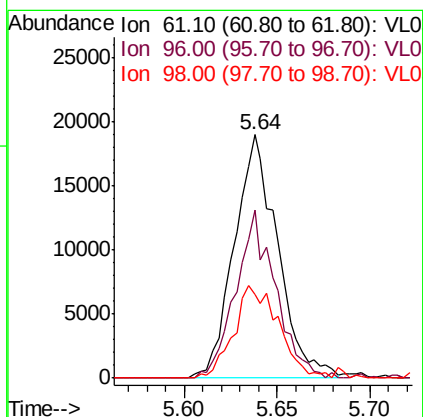
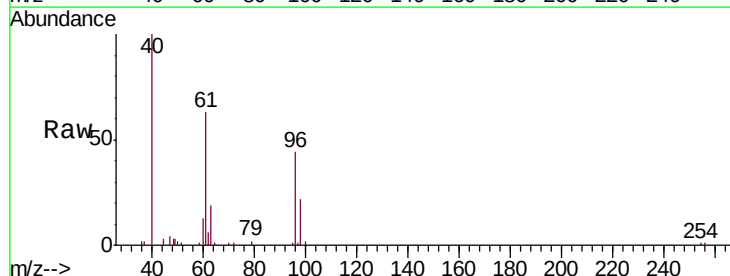
Instrument :
MSVOA_L
ClientSampled :
0.4 MDL

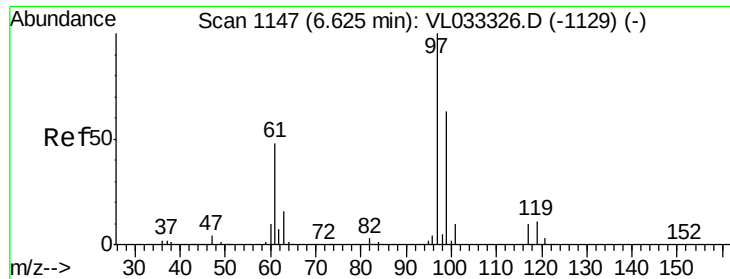
Tgt Ion: 84 Resp: 10118
Ion Ratio Lower Upper
84 100
56 269.6 111.3 166.9#
41 194.1 69.6 104.4#



#31
cis-1,2-Dichloroethene
Concen: 0.392 ppbv
RT: 5.64 min Scan# 840
Delta R.T. -0.01 min
Lab File: VL033362.D
Acq: 18 Mar 2019 17:27

Tgt Ion: 61 Resp: 30901
Ion Ratio Lower Upper
61 100
96 63.4 50.3 75.5
98 31.4 31.5 47.3#





#32

1,1,1-Trichloroethane

Concen: 0.375 ppbv

RT: 6.62 min Scan# 1145

Delta R.T. -0.01 min

Lab File: VL033362.D

Acq: 18 Mar 2019 17:27

Instrument :

MSVOA_L

ClientSampleId :

0.4 MDL

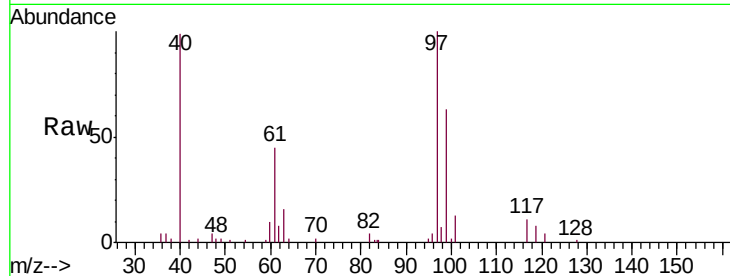
Tgt Ion: 97 Resp: 47632

Ion Ratio Lower Upper

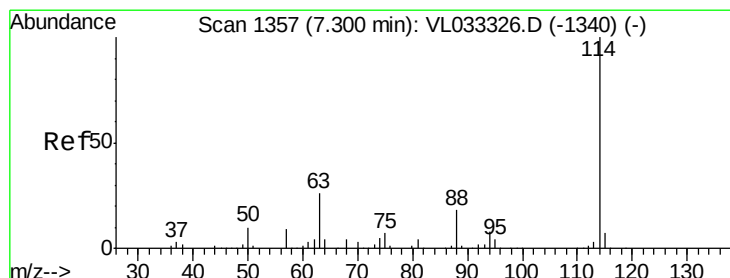
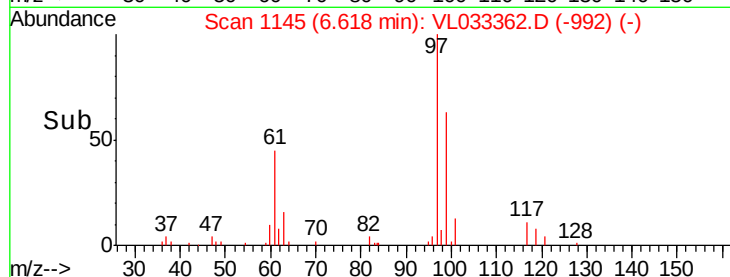
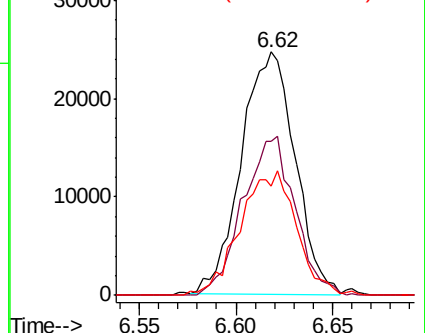
97 100

99 63.4 51.0 76.6

61 53.8 39.3 58.9



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: VL033362.D

Acq: 18 Mar 2019 17:27

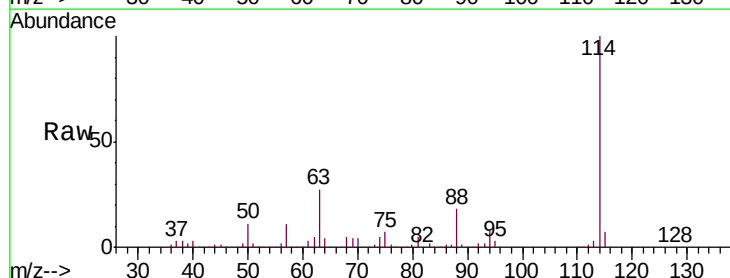
Tgt Ion: 114 Resp: 1723314

Ion Ratio Lower Upper

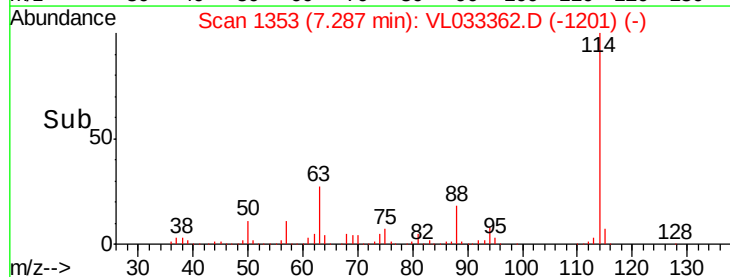
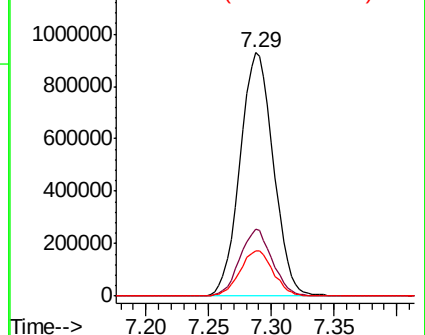
114 100

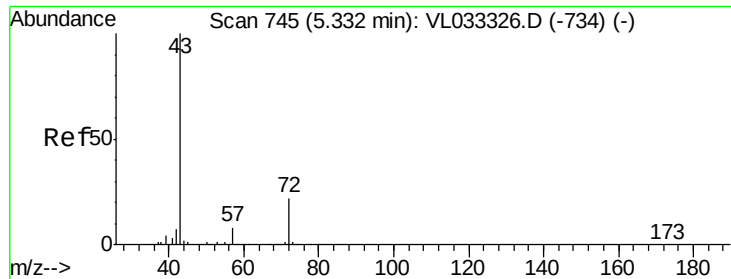
63 26.7 21.4 32.2

88 18.6 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

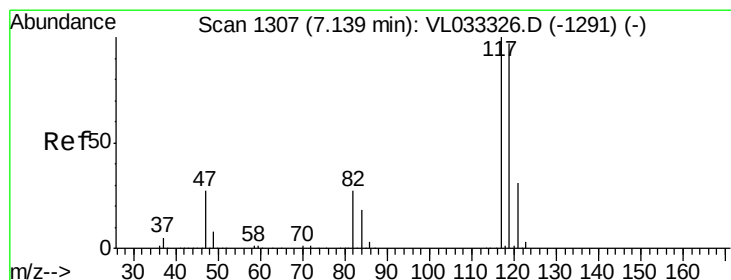
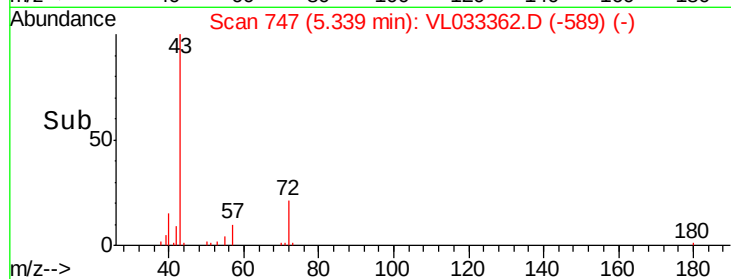
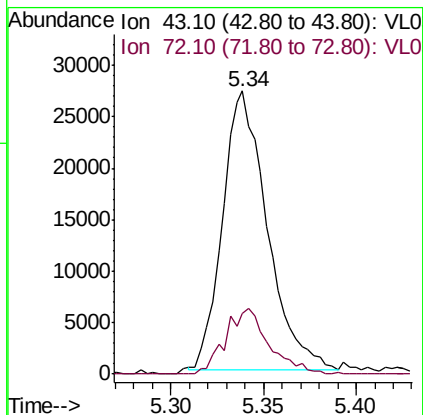
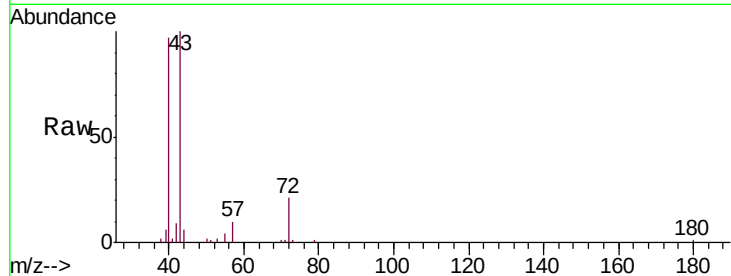




#34
2-Butanone
Concen: 0.402 ppbv
RT: 5.34 min Scan# 747
Delta R.T. 0.01 min
Lab File: VL033362.D
Acq: 18 Mar 2019 17:27

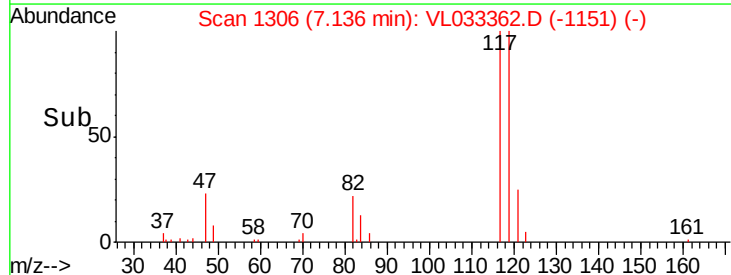
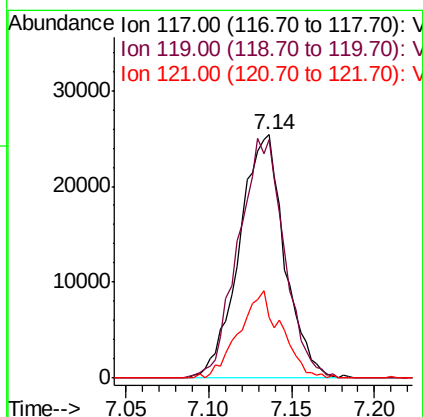
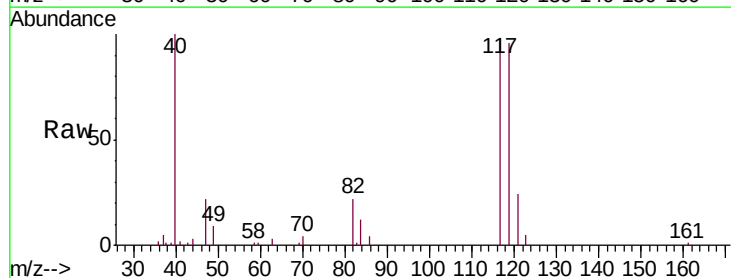
Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

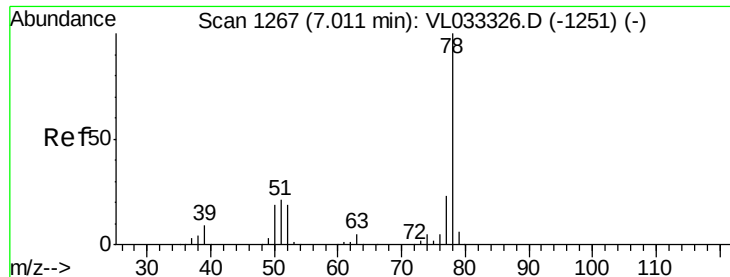
Tgt Ion: 43 Resp: 45488
Ion Ratio Lower Upper
43 100
72 22.7 17.7 26.5



#35
Carbon Tetrachloride
Concen: 0.398 ppbv
RT: 7.14 min Scan# 1306
Delta R.T. -0.00 min
Lab File: VL033362.D
Acq: 18 Mar 2019 17:27

Tgt Ion: 117 Resp: 48299
Ion Ratio Lower Upper
117 100
119 97.7 77.4 116.0
121 24.7 24.9 37.3#





#36

Benzene

Concen: 0.141 ppbv

RT: 7.01 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VL033362.D

Acq: 18 Mar 2019 17:27

Instrument :

MSVOA_L

ClientSampleId :

0.4 MDL

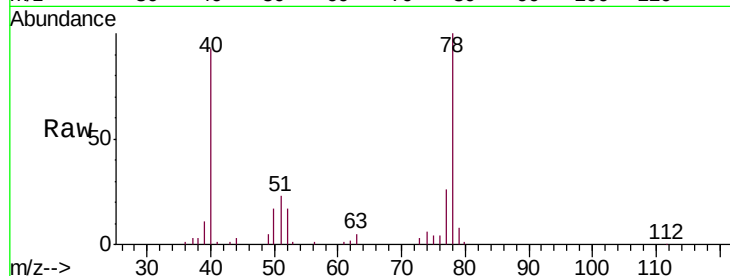
Tgt Ion: 78 Resp: 21821

Ion Ratio Lower Upper

78 100

77 26.7 18.1 27.1

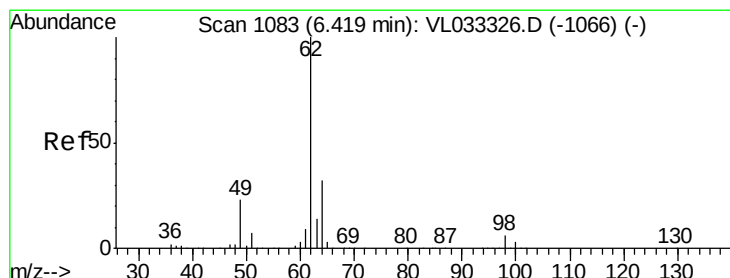
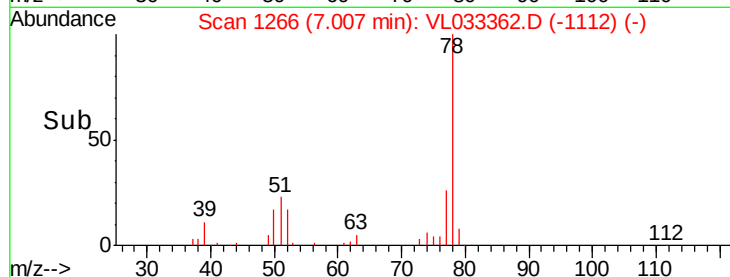
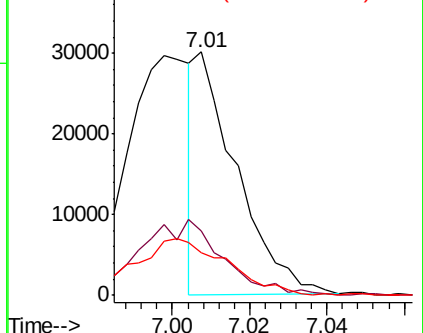
50 17.6 15.2 22.8



Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0



#37

1,2-Dichloroethane

Concen: 0.435 ppbv

RT: 6.41 min Scan# 1080

Delta R.T. -0.01 min

Lab File: VL033362.D

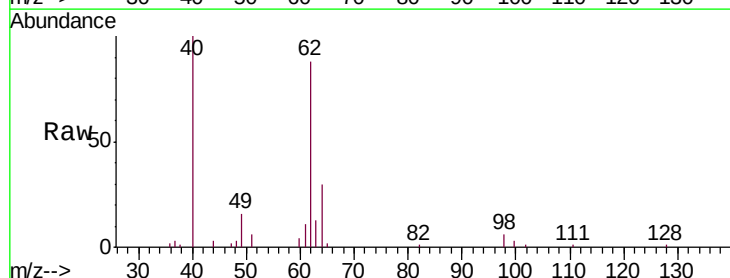
Acq: 18 Mar 2019 17:27

Tgt Ion: 62 Resp: 42414

Ion Ratio Lower Upper

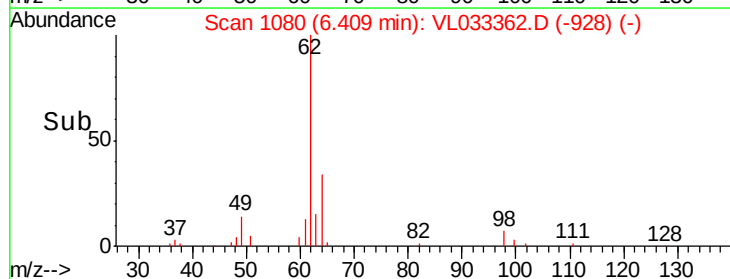
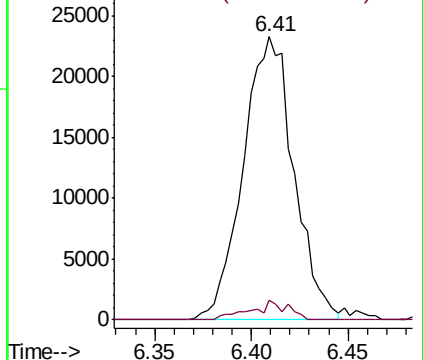
62 100

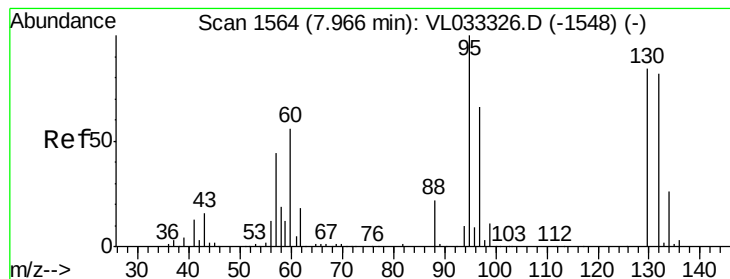
98 4.9 4.5 6.7



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#38

Trichloroethene

Concen: 0.409 ppbv

RT: 7.96 min Scan# 1561

Delta R.T. -0.01 min

Lab File: VL033362.D

Acq: 18 Mar 2019 17:27

Instrument :

MSVOA_L

ClientSampleId :

0.4 MDL

Tgt Ion:130 Resp: 23872

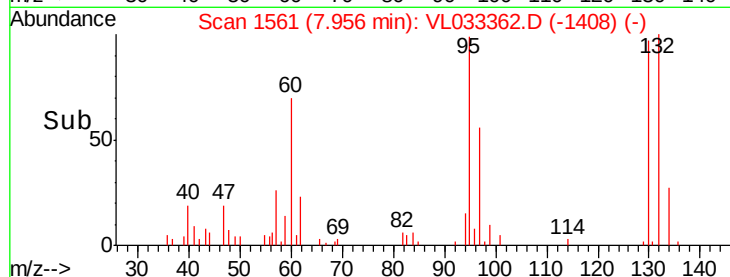
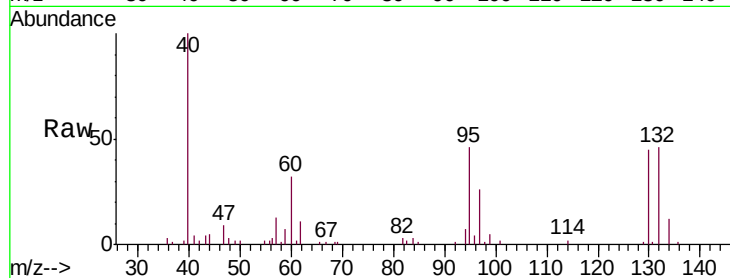
Ion Ratio Lower Upper

130 100

95 99.8 95.2 142.8

132 100.5 77.7 116.5

97 56.0 62.8 94.2#

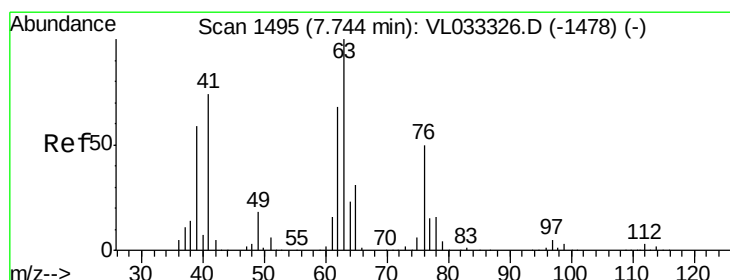
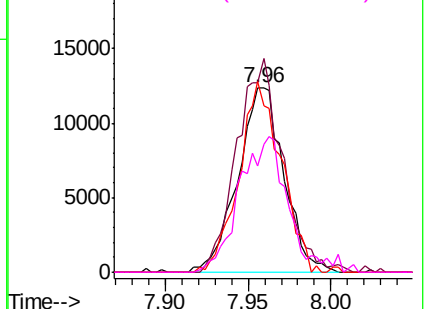


Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0



#39

1,2-Dichloropropane

Concen: 0.209 ppbv

RT: 7.73 min Scan# 1490

Delta R.T. -0.02 min

Lab File: VL033362.D

Acq: 18 Mar 2019 17:27

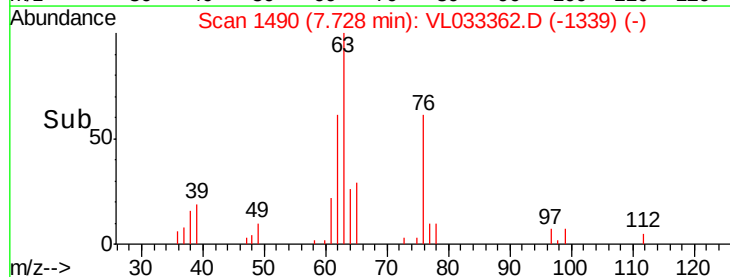
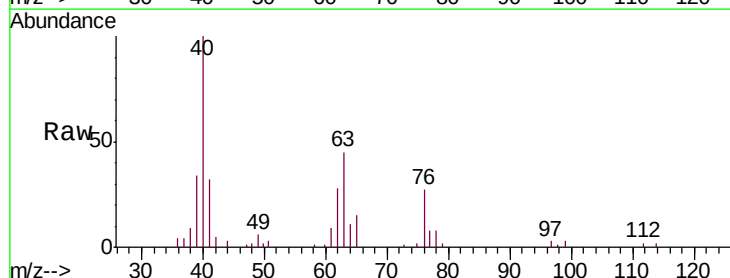
Tgt Ion: 63 Resp: 12091

Ion Ratio Lower Upper

63 100

41 73.7 59.5 89.3

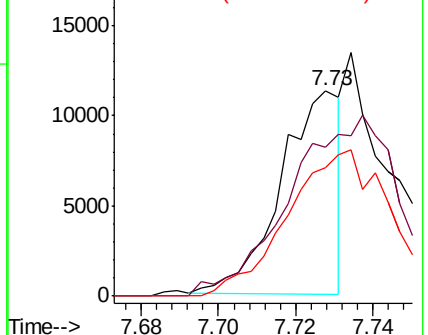
62 63.3 54.7 82.1

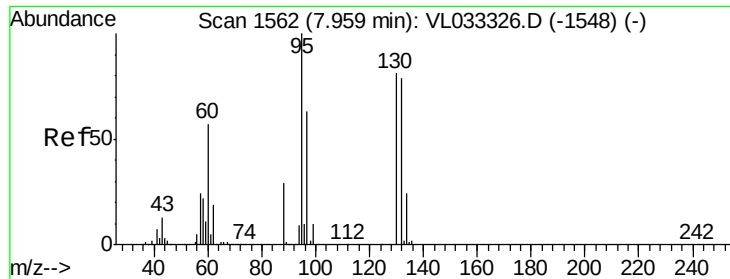


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0

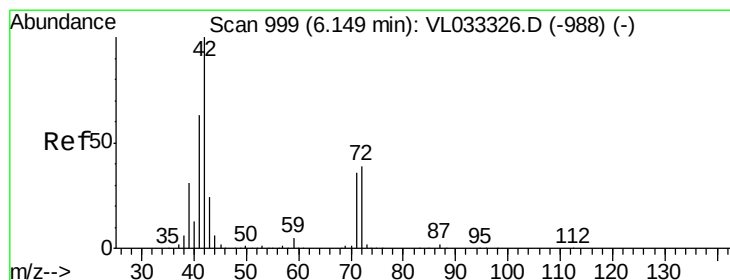
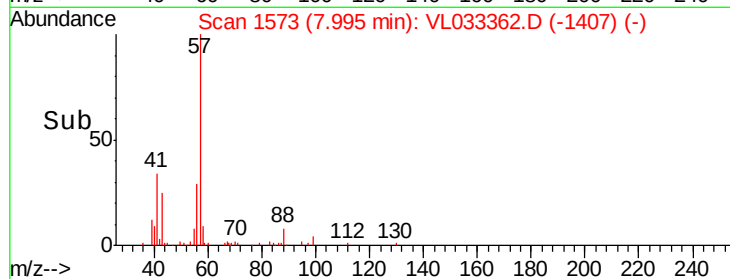
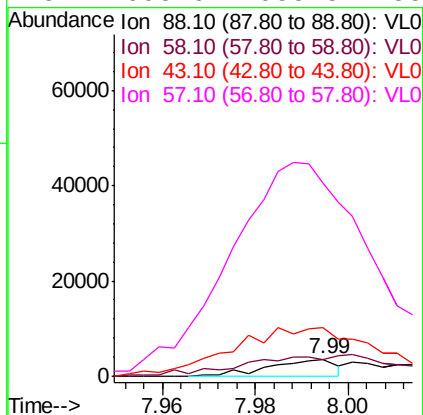
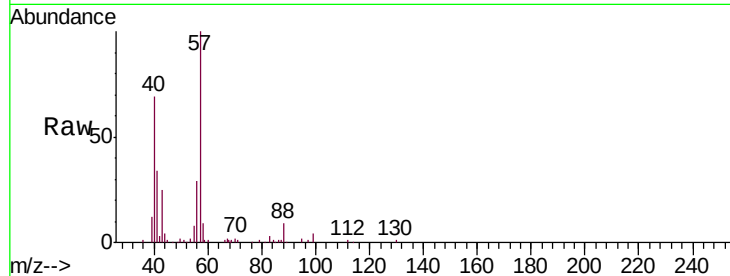




#40
 1,4-Dioxane
 Concen: 0.179 ppbv
 RT: 7.99 min Scan# 1573
 Delta R.T. 0.04 min
 Lab File: VL033362.D
 Acq: 18 Mar 2019 17:27

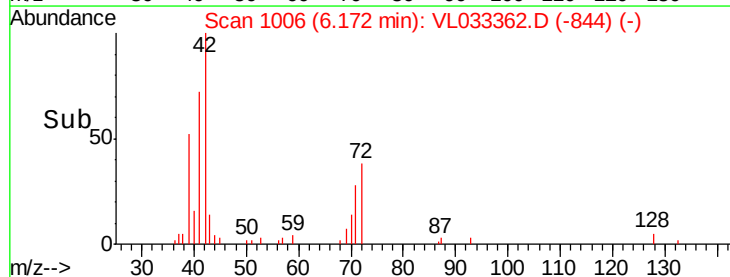
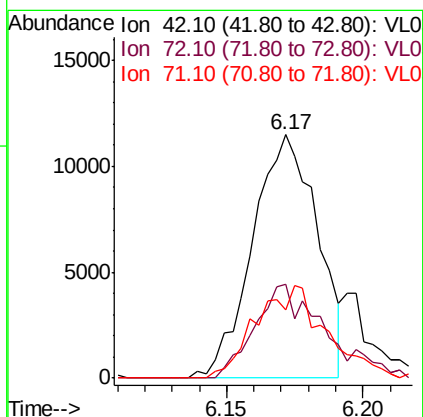
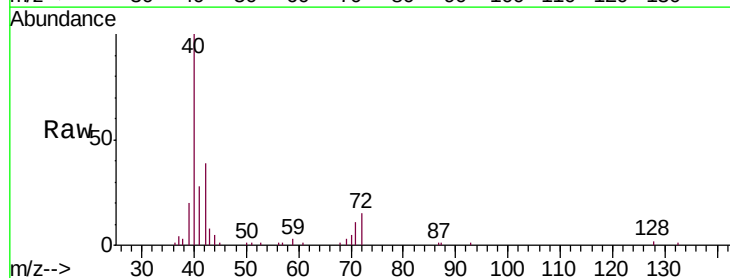
Instrument :
 MSVOA_L
 ClientSampleId :
 0.4 MDL

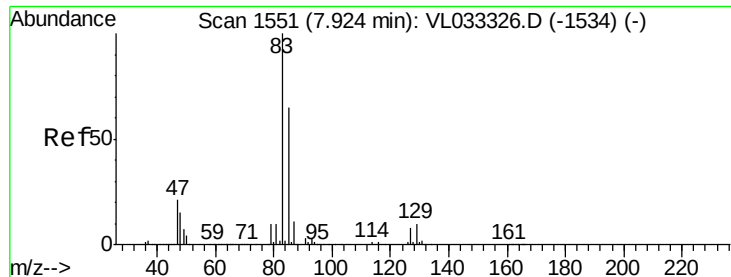
Tgt Ion: 88 Resp: 3641
 Ion Ratio Lower Upper
 88 100
 58 0.0 107.9 161.9#
 43 638.4 230.8 346.2#
 57 2695.0 1035.3 1552.9#



#41
 Tetrahydrofuran
 Concen: 0.315 ppbv
 RT: 6.17 min Scan# 1006
 Delta R.T. 0.02 min
 Lab File: VL033362.D
 Acq: 18 Mar 2019 17:27

Tgt Ion: 42 Resp: 19017
 Ion Ratio Lower Upper
 42 100
 72 41.7 31.6 47.4
 71 41.3 29.9 44.9





#42

Bromodichloromethane

Concen: 0.388 ppbv

RT: 7.91 min Scan# 1548

Delta R.T. -0.01 min

Lab File: VL033362.D

Acq: 18 Mar 2019 17:27

Instrument :

MSVOA_L

ClientSampleId :

0.4 MDL

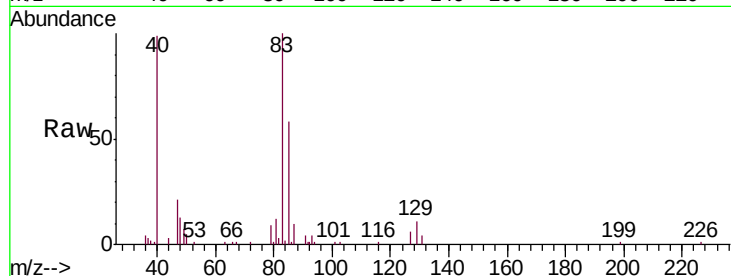
Tgt Ion: 83 Resp: 50765

Ion Ratio Lower Upper

83 100

85 57.8 51.8 77.6

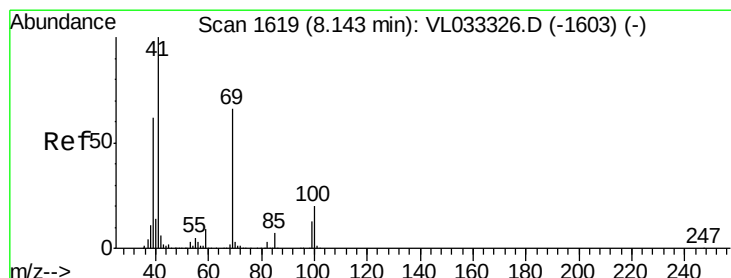
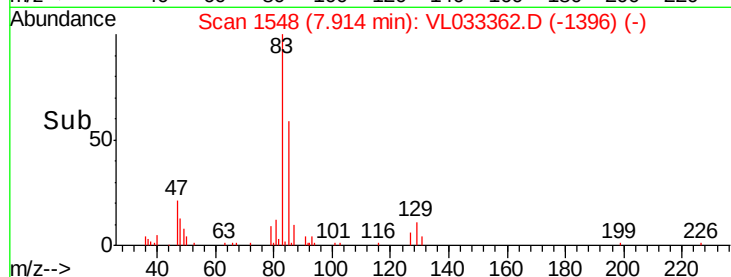
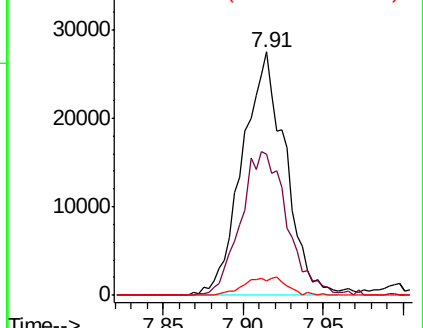
127 5.8 6.2 9.2#



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): VL0



#43

Methyl Methacrylate

Concen: 0.347 ppbv

RT: 8.14 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VL033362.D

Acq: 18 Mar 2019 17:27

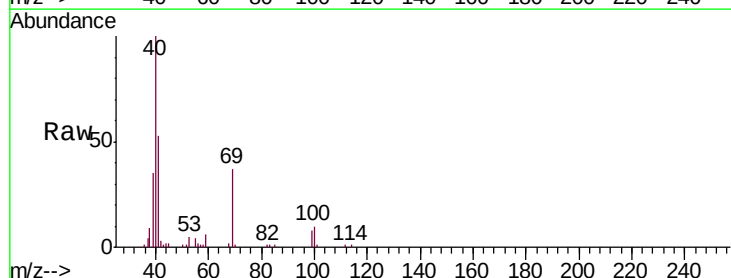
Tgt Ion: 69 Resp: 20867

Ion Ratio Lower Upper

69 100

41 148.3 119.5 179.3

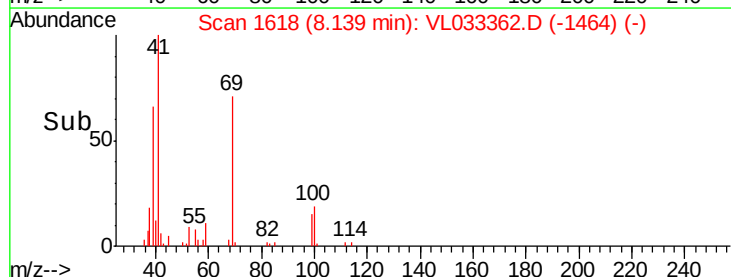
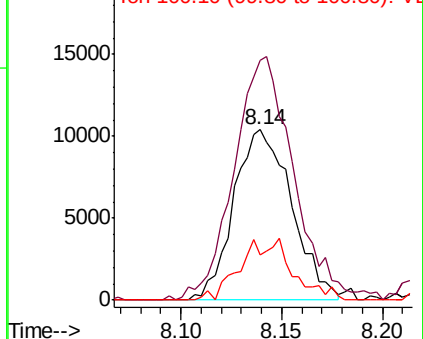
100 32.5 24.4 36.6

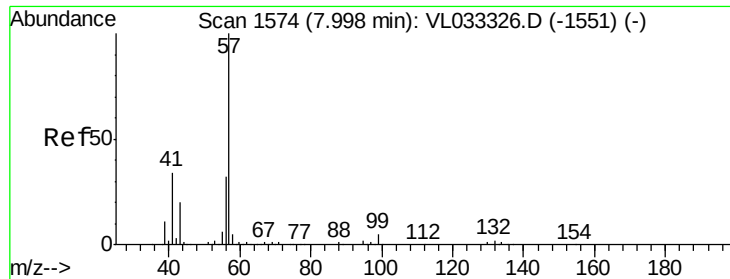


Abundance Ion 69.10 (68.80 to 69.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 100.10 (99.80 to 100.80): VL0

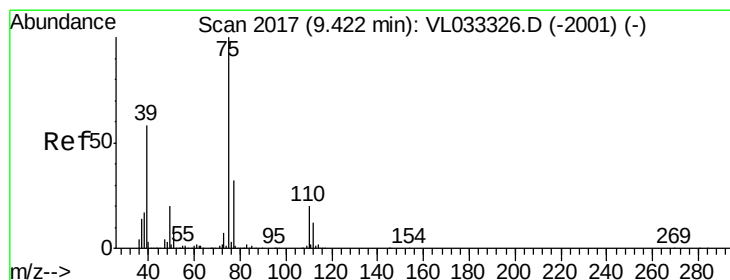
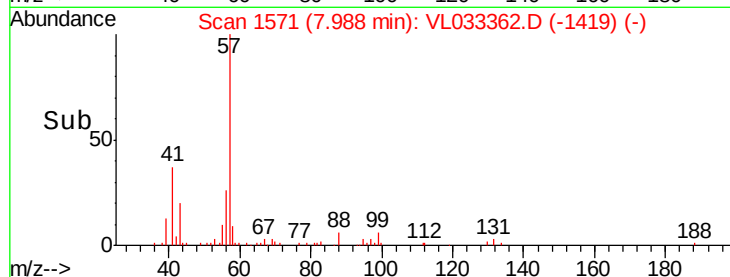
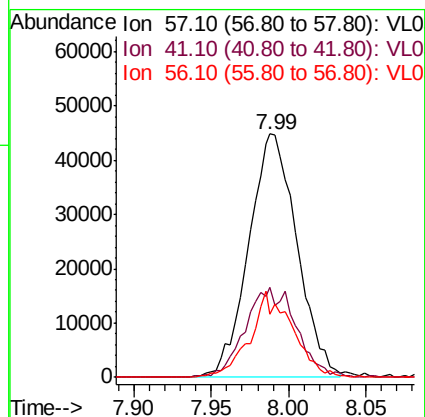
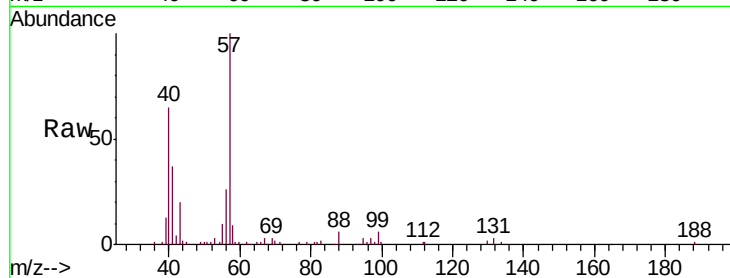




#44
 2,2,4-Trimethylpentane
 Concen: 0.381 ppbv
 RT: 7.99 min Scan# 1571
 Delta R.T. -0.01 min
 Lab File: VL033362.D
 Acq: 18 Mar 2019 17:27

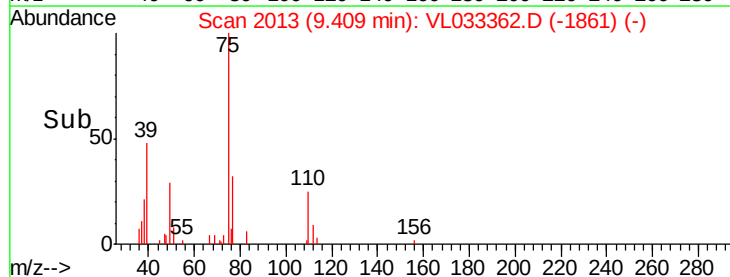
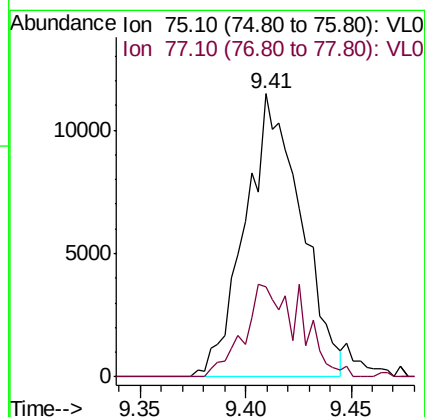
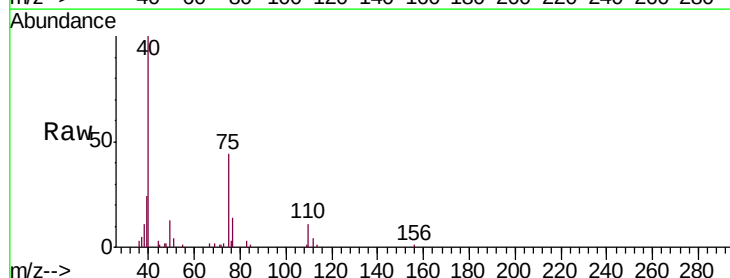
Instrument :
 MSVOA_L
 ClientSampleId :
 0.4 MDL

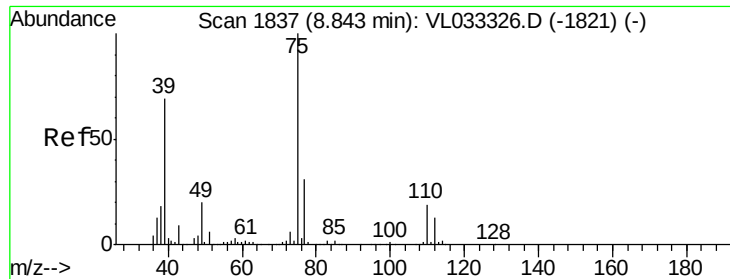
Tgt Ion: 57 Resp: 97279
 Ion Ratio Lower Upper
 57 100
 41 38.9 26.0 39.0
 56 31.1 24.6 36.8



#45
 t-1,3-Dichloropropene
 Concen: 0.285 ppbv
 RT: 9.41 min Scan# 2013
 Delta R.T. -0.01 min
 Lab File: VL033362.D
 Acq: 18 Mar 2019 17:27

Tgt Ion: 75 Resp: 21125
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.5 38.3

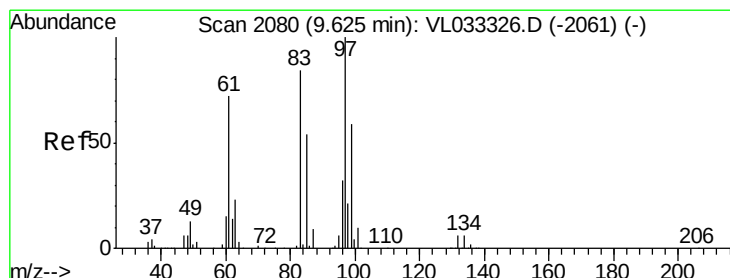
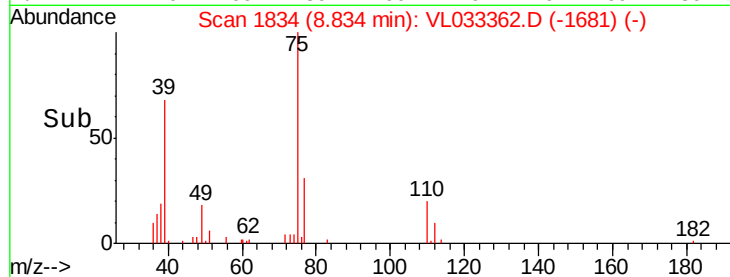
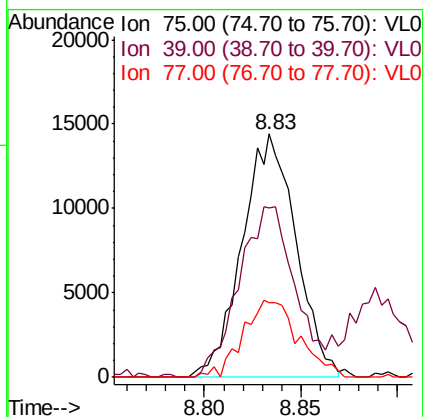
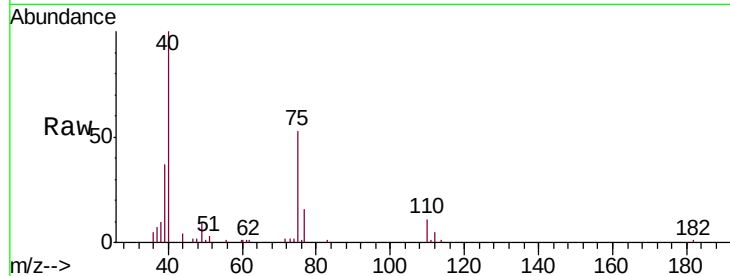




#46
 cis-1,3-Dichloropropene
 Concen: 0.319 ppbv
 RT: 8.83 min Scan# 1834
 Delta R.T. -0.01 min
 Lab File: VL033362.D
 Acq: 18 Mar 2019 17:27

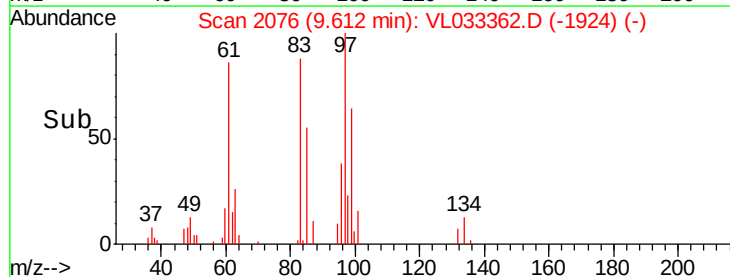
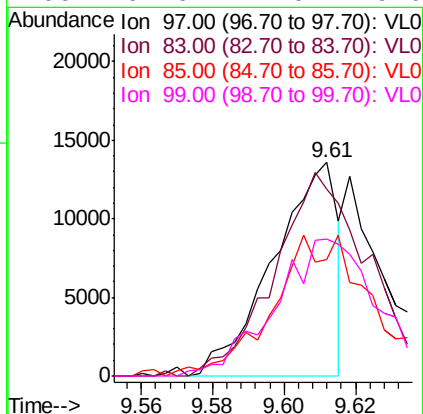
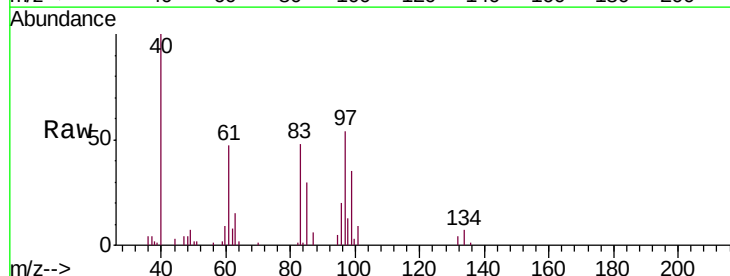
Instrument :
 MSVOA_L
 ClientSampleId :
 0.4 MDL

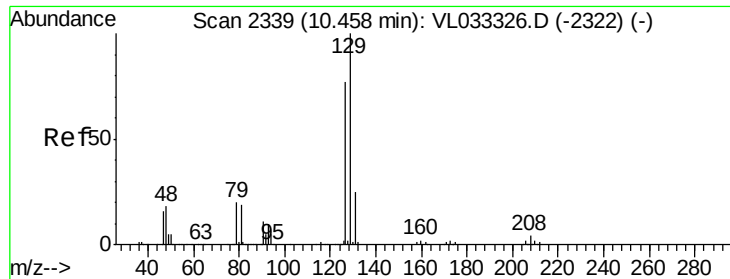
Tgt Ion: 75 Resp: 27881
 Ion Ratio Lower Upper
 75 100
 39 69.6 55.0 82.6
 77 30.6 24.5 36.7



#47
 1,1,2-Trichloroethane
 Concen: 0.265 ppbv
 RT: 9.61 min Scan# 2076
 Delta R.T. -0.01 min
 Lab File: VL033362.D
 Acq: 18 Mar 2019 17:27

Tgt Ion: 97 Resp: 16892
 Ion Ratio Lower Upper
 97 100
 83 87.6 67.4 101.0
 85 50.6 43.0 64.4
 99 61.6 47.0 70.6





#48

Dibromochloromethane

Concen: 0.235 ppbv

RT: 10.44 min Scan# 2335

Delta R.T. -0.01 min

Lab File: VL033362.D

Acq: 18 Mar 2019 17:27

Instrument :

MSVOA_L

ClientSampleId :

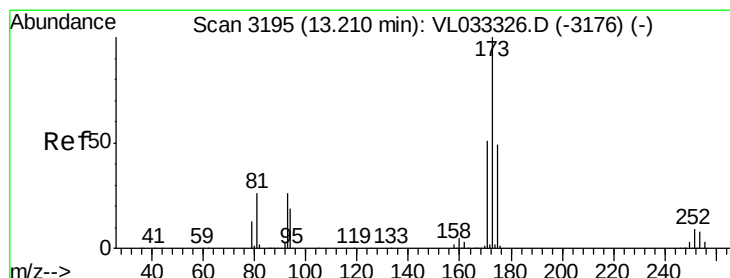
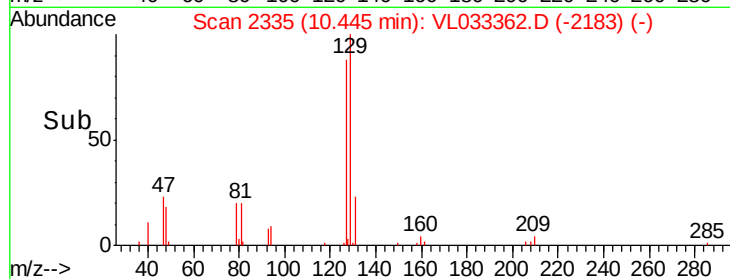
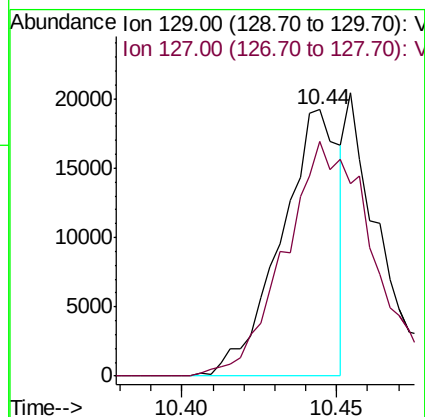
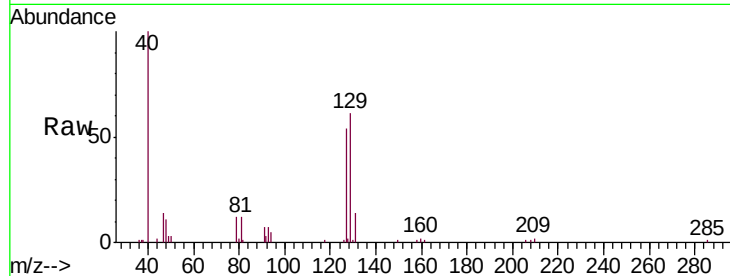
0.4 MDL

Tgt Ion:129 Resp: 25136

Ion Ratio Lower Upper

129 100

127 130.2 38.9 116.6#



#49

Bromoform

Concen: 0.339 ppbv

RT: 13.20 min Scan# 3192

Delta R.T. -0.01 min

Lab File: VL033362.D

Acq: 18 Mar 2019 17:27

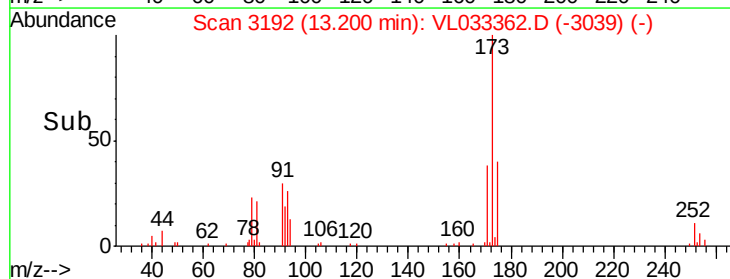
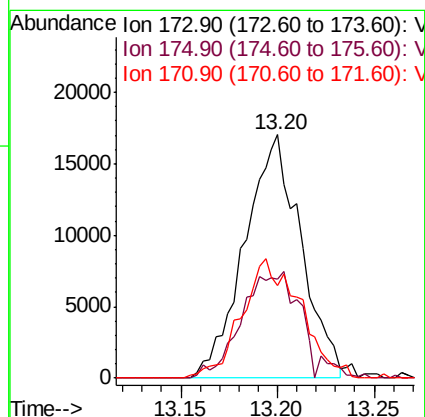
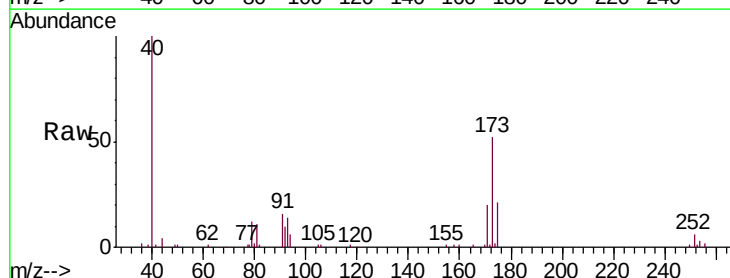
Tgt Ion:173 Resp: 34402

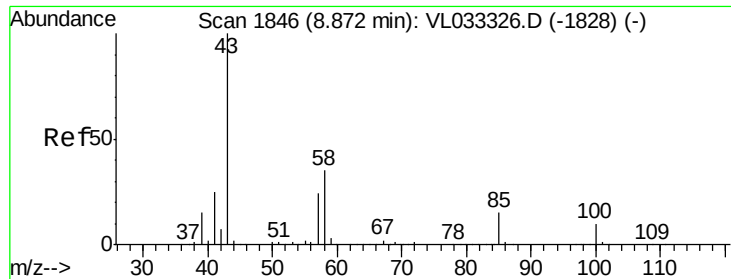
Ion Ratio Lower Upper

173 100

175 46.7 39.0 58.6

171 51.3 41.7 62.5

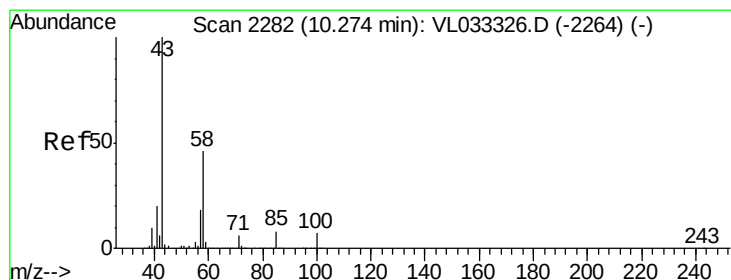
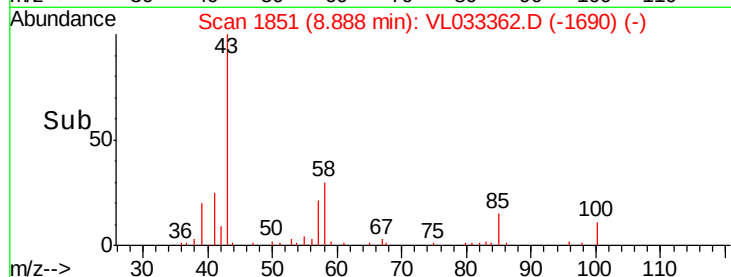
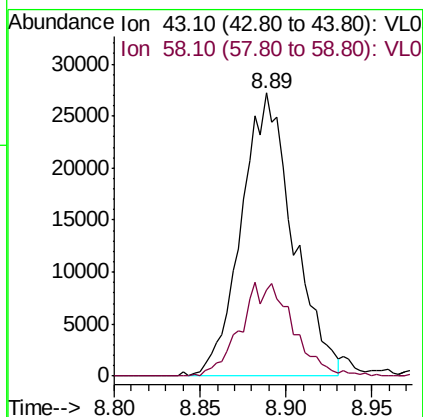
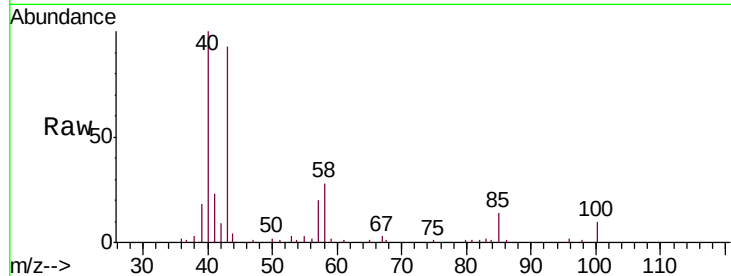




#50
4-Methyl-2-Pentanone
Concen: 0.355 ppbv
RT: 8.89 min Scan# 1851
Delta R.T. 0.02 min
Lab File: VL033362.D
Acq: 18 Mar 2019 17:27

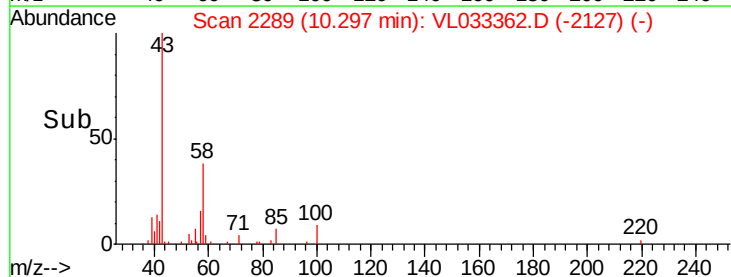
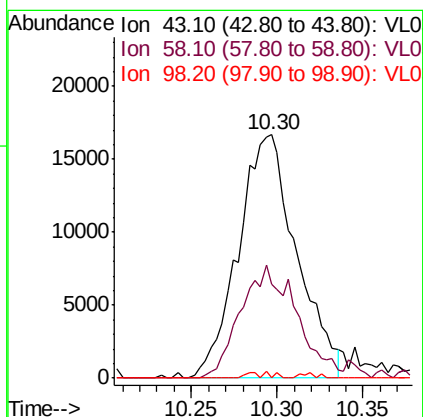
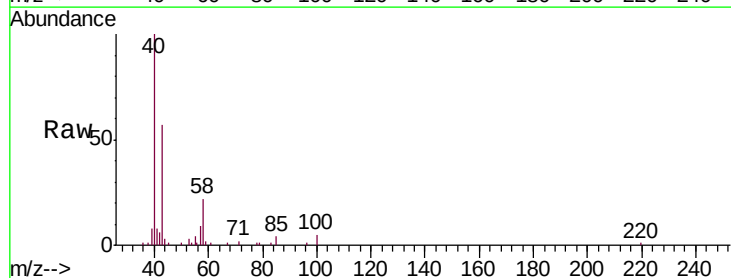
Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

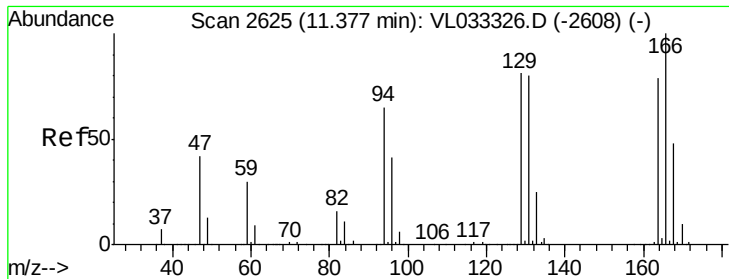
Tgt Ion: 43 Resp: 56717
Ion Ratio Lower Upper
43 100
58 33.8 28.4 42.6



#51
2-Hexanone
Concen: 0.319 ppbv
RT: 10.30 min Scan# 2289
Delta R.T. 0.02 min
Lab File: VL033362.D
Acq: 18 Mar 2019 17:27

Tgt Ion: 43 Resp: 39309
Ion Ratio Lower Upper
43 100
58 46.5 38.0 57.0
98 0.9 0.1 0.1#





#52

Tetrachloroethene

Concen: 0.222 ppbv

RT: 11.37 min Scan# 2622

Delta R.T. -0.01 min

Lab File: VL033362.D

Acq: 18 Mar 2019 17:27

Instrument :

MSVOA_L

ClientSampleId :

0.4 MDL

Tgt Ion:164 Resp: 14258

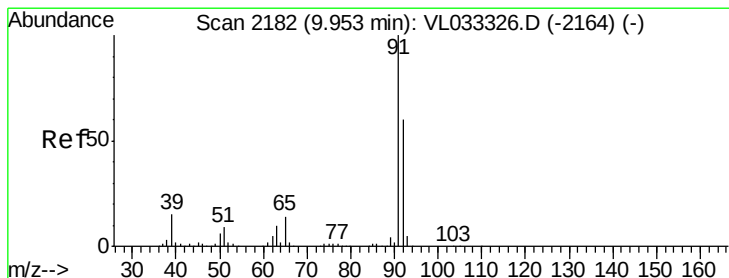
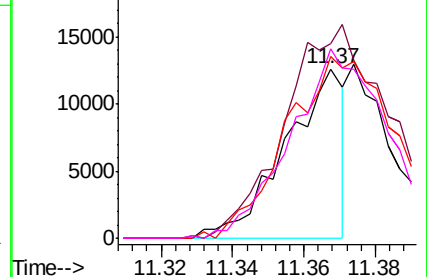
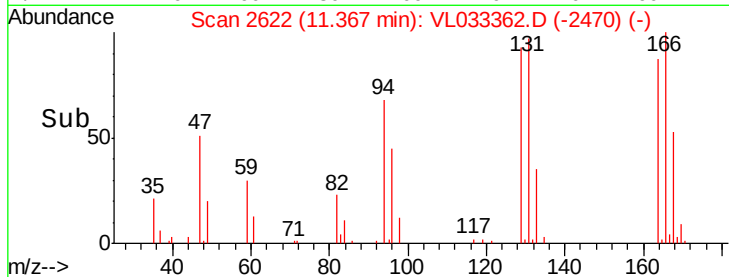
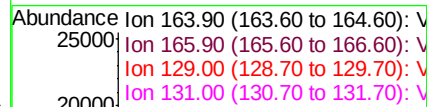
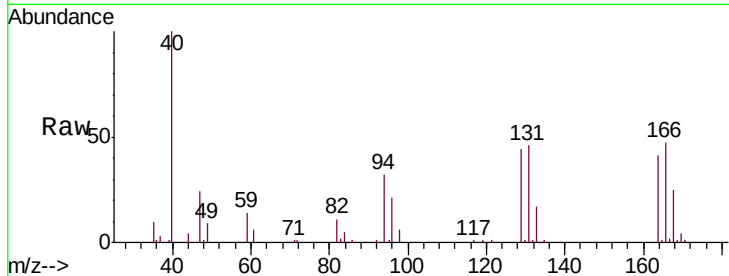
Ion Ratio Lower Upper

164 100

166 113.4 101.5 152.3

129 107.2 82.2 123.2

131 110.7 81.1 121.7



#53

Toluene

Concen: 0.342 ppbv

RT: 9.94 min Scan# 2179

Delta R.T. -0.01 min

Lab File: VL033362.D

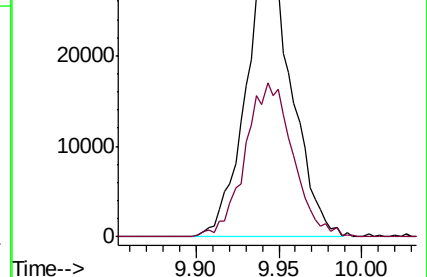
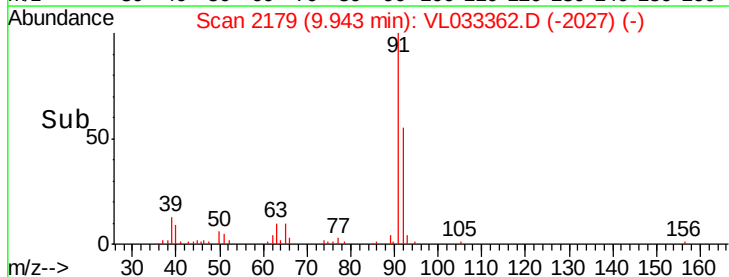
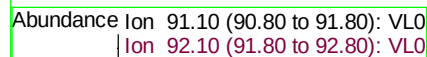
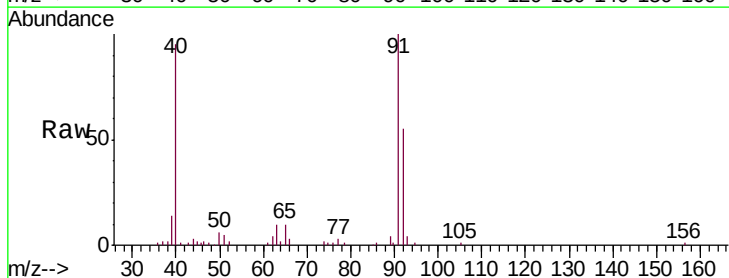
Acq: 18 Mar 2019 17:27

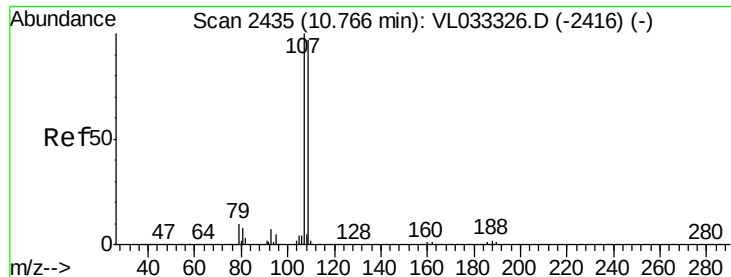
Tgt Ion: 91 Resp: 59949

Ion Ratio Lower Upper

91 100

92 56.7 47.4 71.0





#54

1,2-Dibromoethane

Concen: 0.398 ppbv

RT: 10.75 min Scan# 2431

Delta R.T. -0.01 min

Lab File: VL033362.D

Acq: 18 Mar 2019 17:27

Instrument :

MSVOA_L

ClientSampleId :

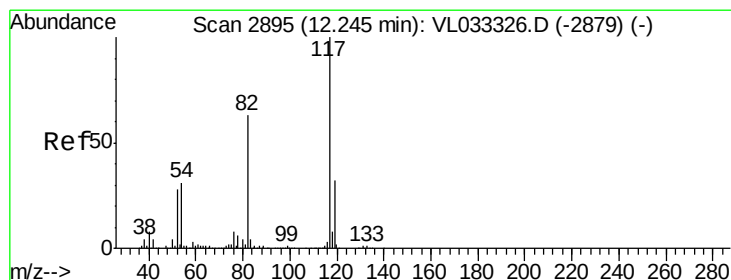
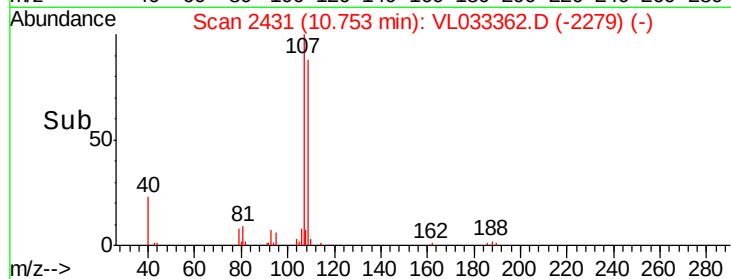
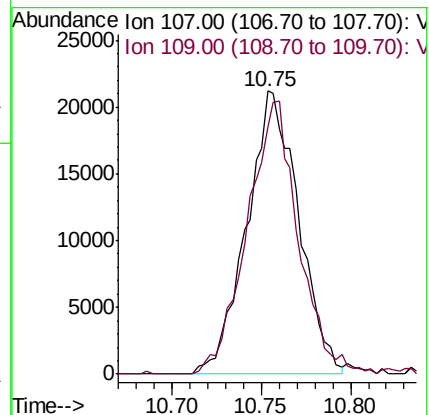
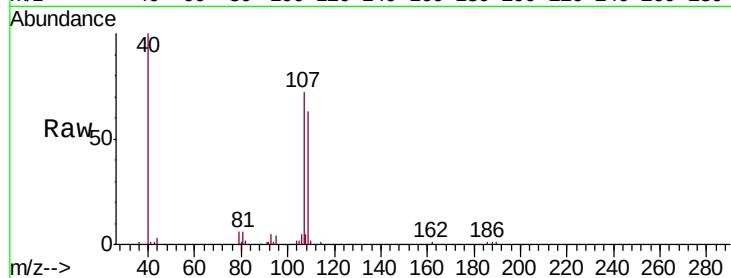
0.4 MDL

Tgt Ion:107 Resp: 42927

Ion Ratio Lower Upper

107 100

109 90.4 77.2 115.8



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.24 min Scan# 2893

Delta R.T. -0.01 min

Lab File: VL033362.D

Acq: 18 Mar 2019 17:27

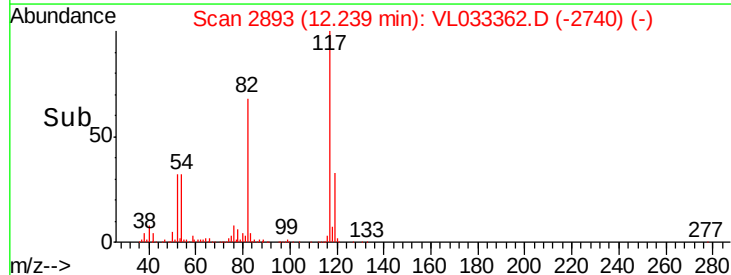
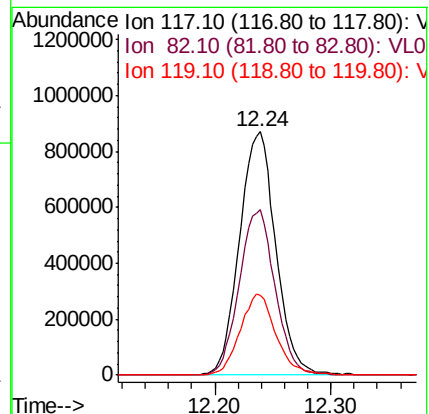
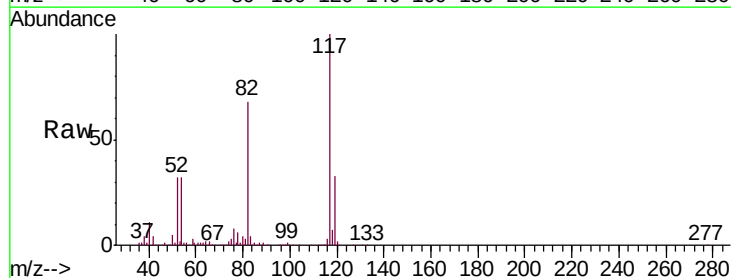
Tgt Ion:117 Resp: 1886893

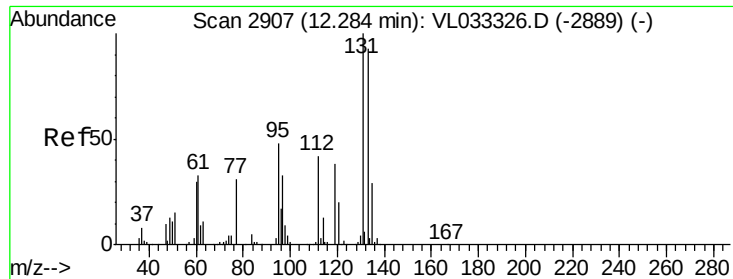
Ion Ratio Lower Upper

117 100

82 67.3 53.4 80.2

119 33.3 27.3 40.9

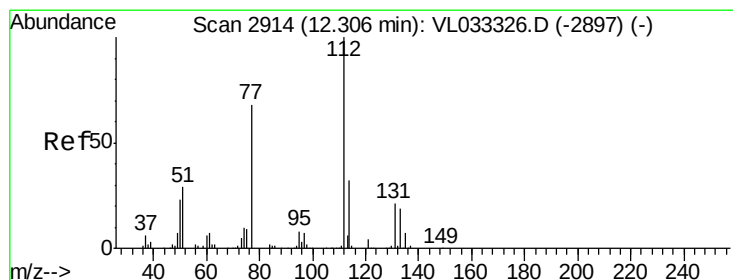
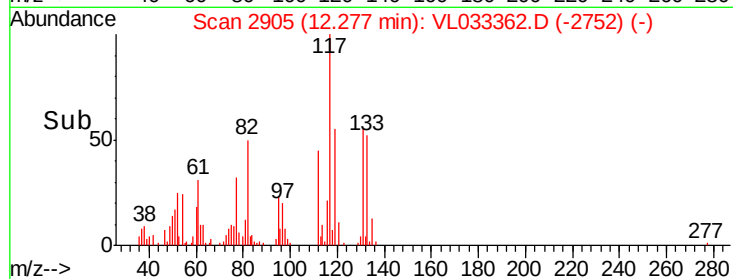
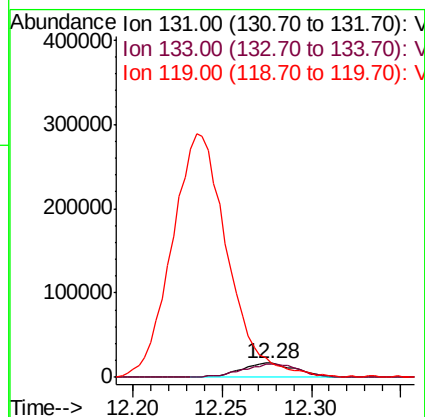
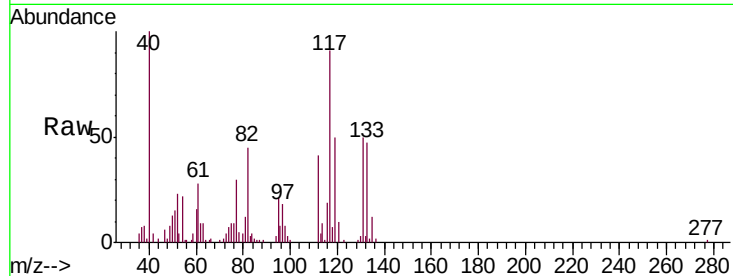




#56
 1,1,1,2-Tetrachloroethane
 Concen: 0.435 ppbv
 RT: 12.28 min Scan# 2905
 Delta R.T. -0.01 min
 Lab File: VL033362.D
 Acq: 18 Mar 2019 17:27

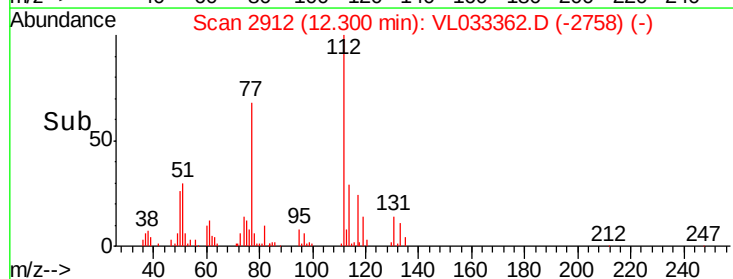
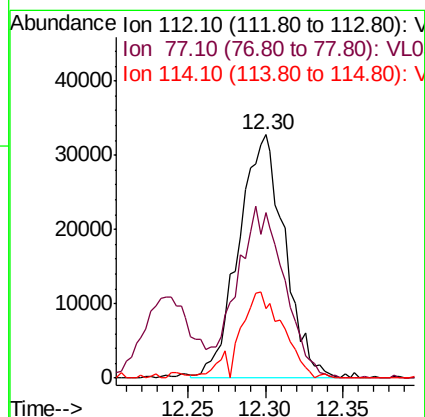
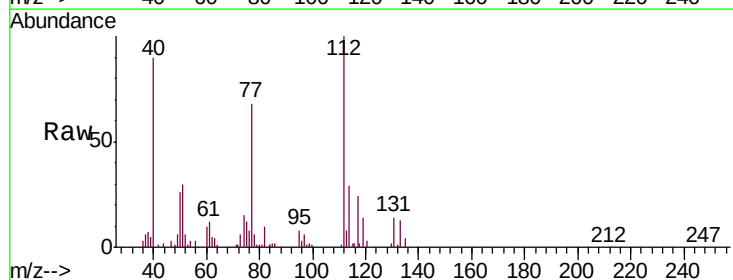
Instrument :
 MSVOA_L
 ClientSampleId :
 0.4 MDL

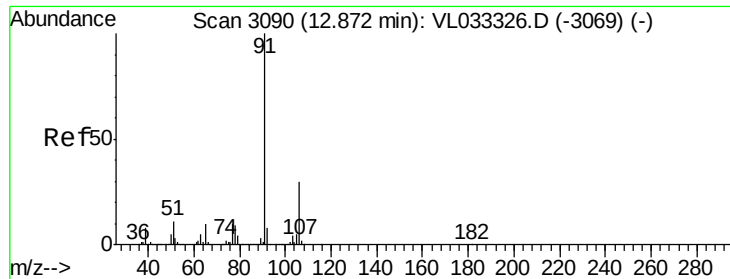
Tgt Ion:131 Resp: 36747
 Ion Ratio Lower Upper
 131 100
 133 97.0 76.7 115.1
 119 1703.2 40.3 60.5#



#57
 Chlorobenzene
 Concen: 0.454 ppbv
 RT: 12.30 min Scan# 2912
 Delta R.T. -0.01 min
 Lab File: VL033362.D
 Acq: 18 Mar 2019 17:27

Tgt Ion:112 Resp: 67824
 Ion Ratio Lower Upper
 112 100
 77 68.2 55.8 83.6
 114 28.8 28.6 35.0





#58

Ethyl Benzene

Concen: 0.344 ppbv

RT: 12.86 min Scan# 3086

Delta R.T. -0.01 min

Lab File: VL033362.D

Acq: 18 Mar 2019 17:27

Instrument :

MSVOA_L

ClientSampleId :

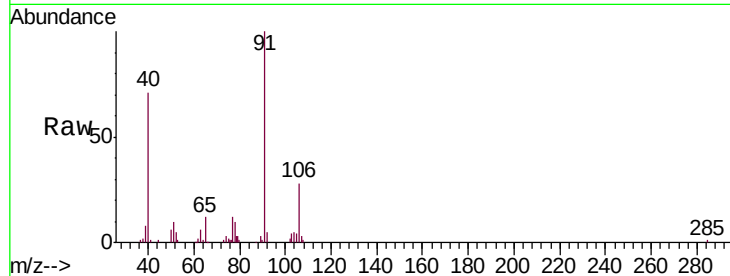
0.4 MDL

Tgt Ion: 91 Resp: 91839

Ion Ratio Lower Upper

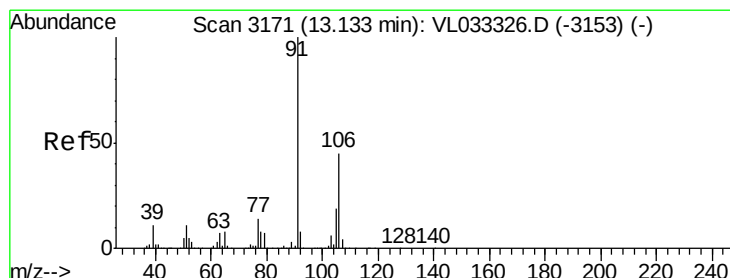
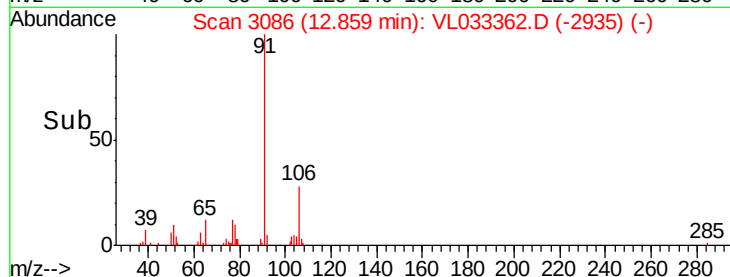
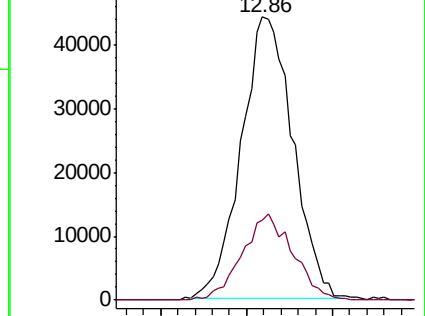
91 100

106 28.2 24.2 36.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#59

m/p-Xylene

Concen: 0.132 ppbv

RT: 13.13 min Scan# 3170

Delta R.T. -0.00 min

Lab File: VL033362.D

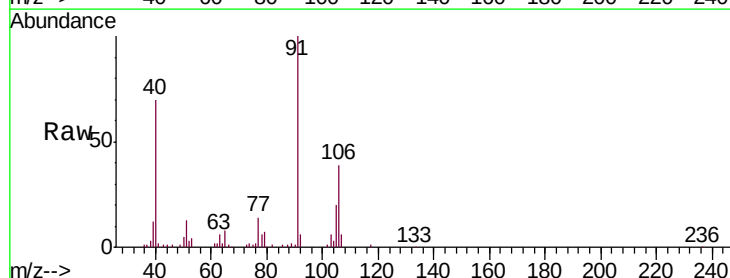
Acq: 18 Mar 2019 17:27

Tgt Ion: 91 Resp: 30285

Ion Ratio Lower Upper

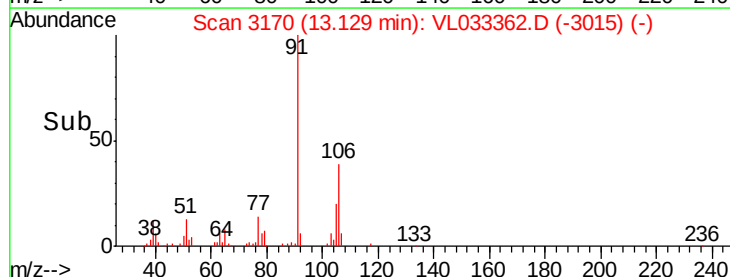
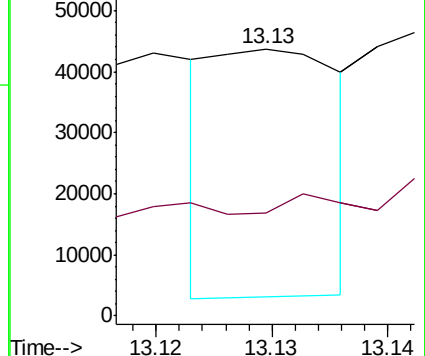
91 100

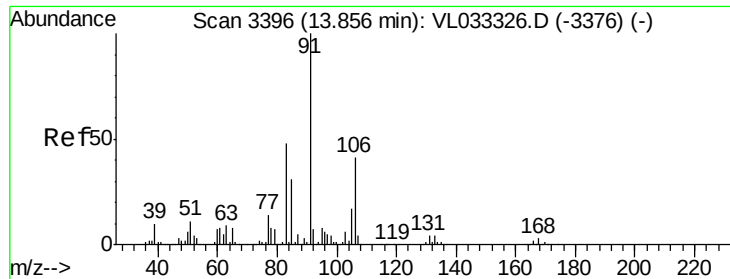
106 0.0 0.0 0.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

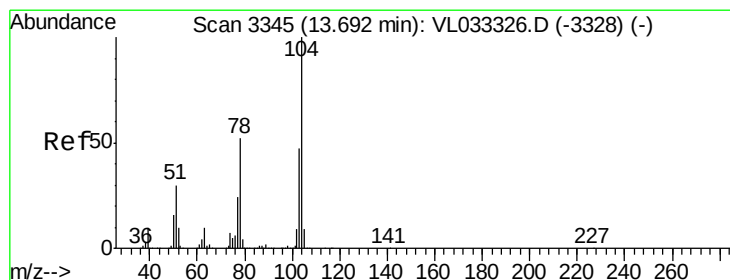
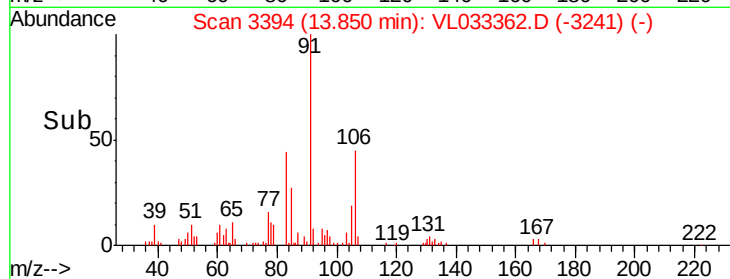
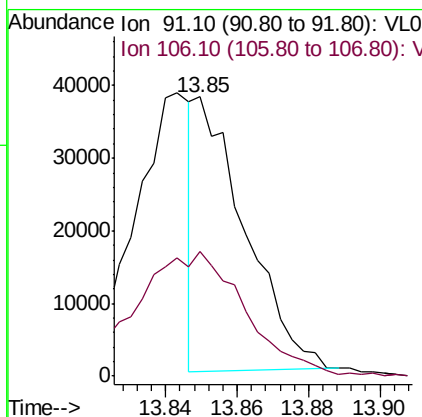
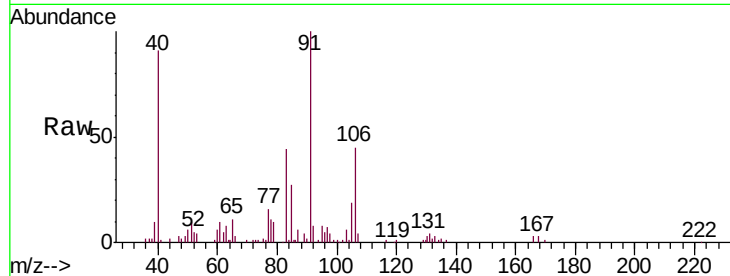




#60
o-Xylene
Concen: 0.162 ppbv
RT: 13.85 min Scan# 3394
Delta R.T. -0.01 min
Lab File: VL033362.D
Acq: 18 Mar 2019 17:27

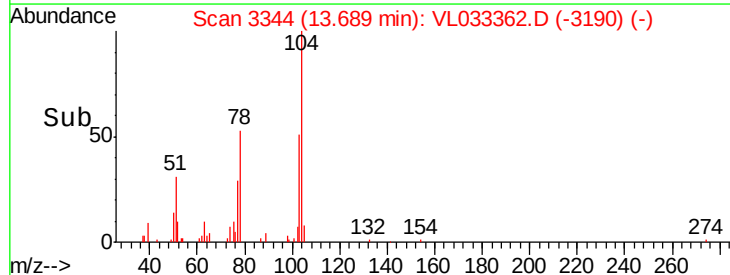
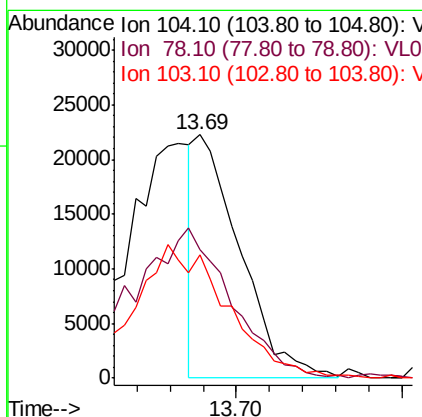
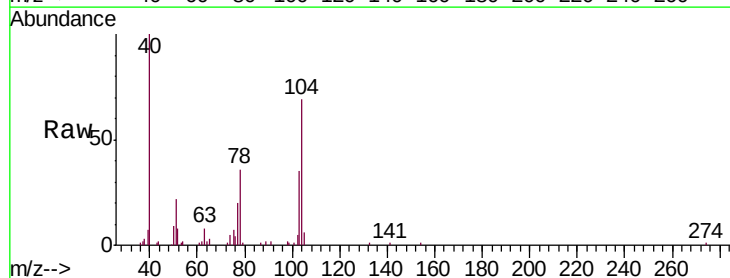
Instrument :
MSVOA_L
ClientSampled :
0.4 MDL

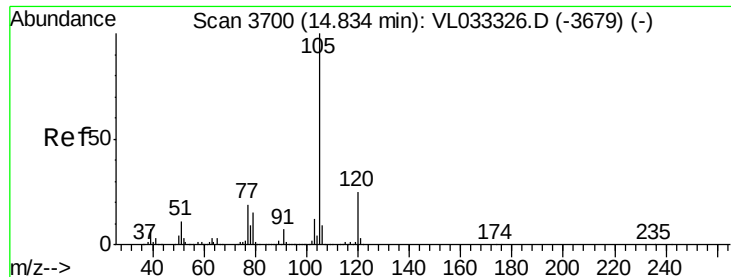
Tgt Ion: 91 Resp: 36340
Ion Ratio Lower Upper
91 100
106 102.2 21.3 63.9#



#61
Styrene
Concen: 0.134 ppbv
RT: 13.69 min Scan# 3344
Delta R.T. -0.00 min
Lab File: VL033362.D
Acq: 18 Mar 2019 17:27

Tgt Ion: 104 Resp: 20955
Ion Ratio Lower Upper
104 100
78 135.3 42.7 64.1#
103 0.0 38.0 57.0#





#62

Isopropylbenzene

Concen: 0.401 ppbv

RT: 14.82 min Scan# 3697

Delta R.T. -0.01 min

Lab File: VL033362.D

Acq: 18 Mar 2019 17:27

Instrument :

MSVOA_L

ClientSampleId :

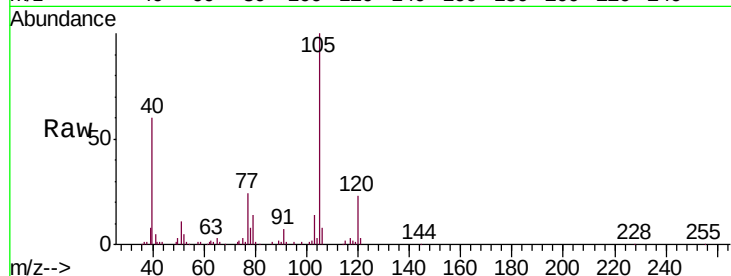
0.4 MDL

Tgt Ion: 105 Resp: 124743

Ion Ratio Lower Upper

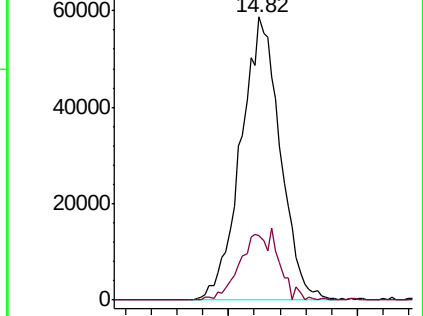
105 100

120 23.8 19.9 29.9

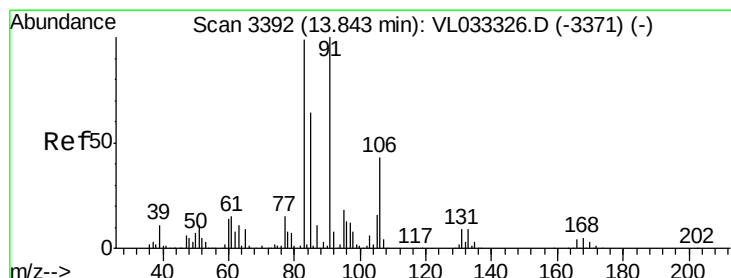
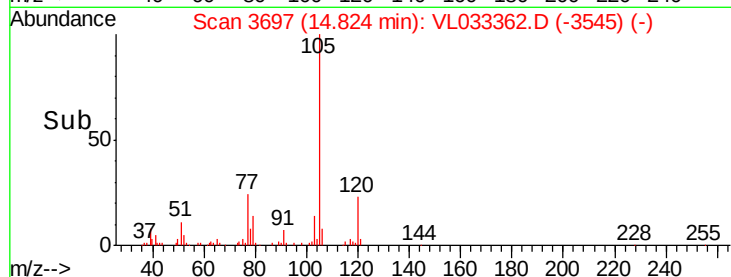


Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



Time-->



#63

1,1,2,2-Tetrachloroethane

Concen: 0.413 ppbv

RT: 13.84 min Scan# 3390

Delta R.T. -0.01 min

Lab File: VL033362.D

Acq: 18 Mar 2019 17:27

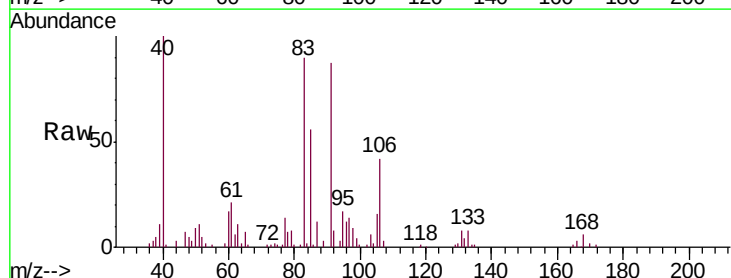
Tgt Ion: 83 Resp: 66816

Ion Ratio Lower Upper

83 100

131 10.2 4.7 14.0

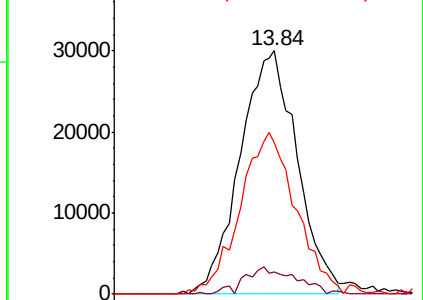
85 65.8 32.5 97.4



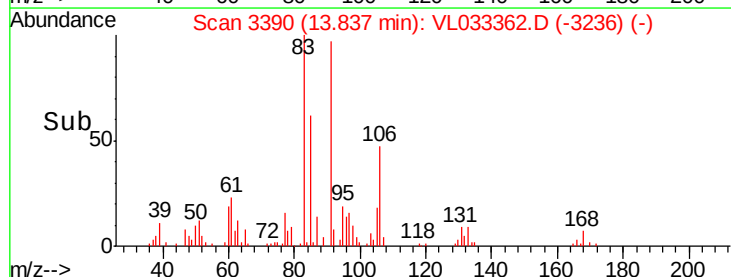
Abundance Ion 83.00 (82.70 to 83.70): VL0

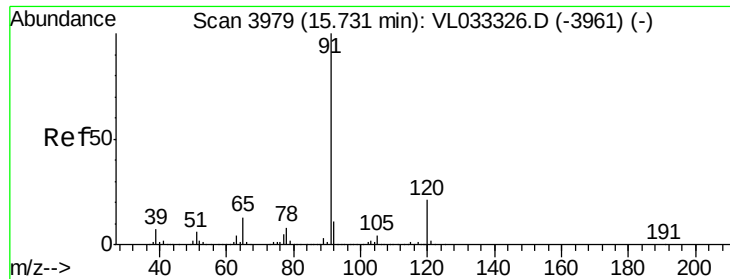
Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0



Time-->

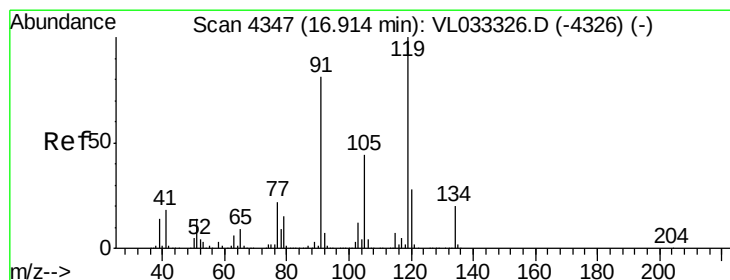
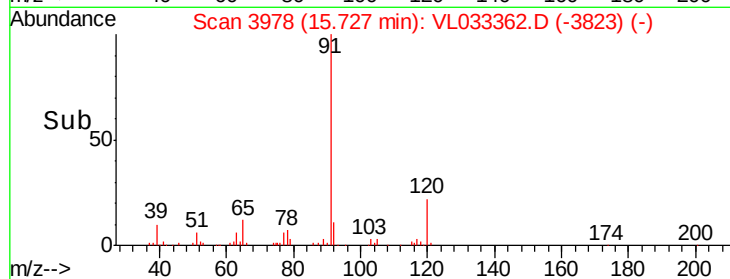
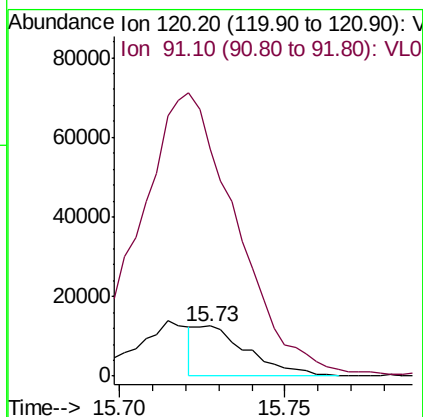
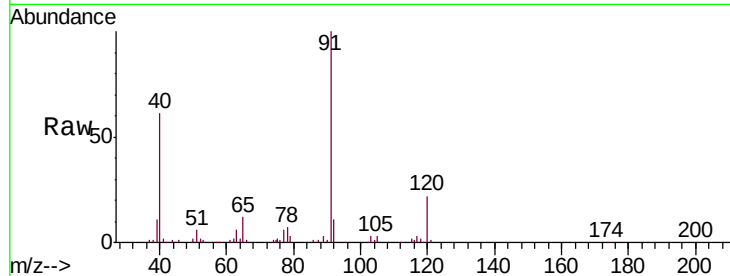




#64
n-propylbenzene
Concen: 0.175 ppbv
RT: 15.73 min Scan# 3978
Delta R.T. -0.00 min
Lab File: VL033362.D
Acq: 18 Mar 2019 17:27

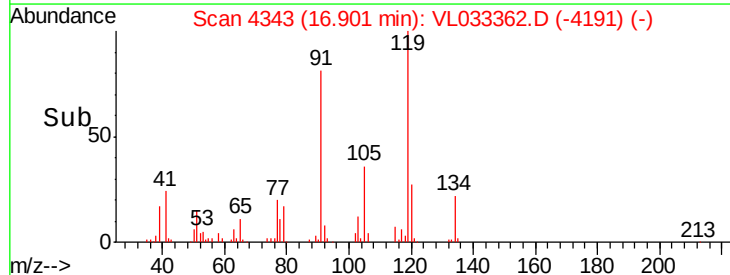
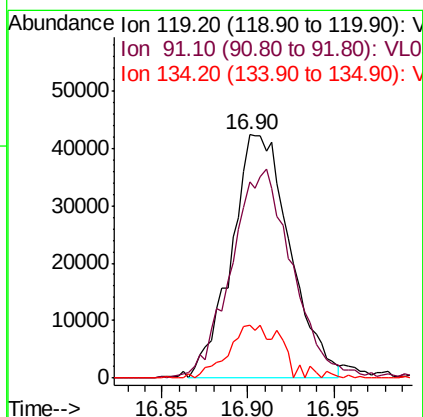
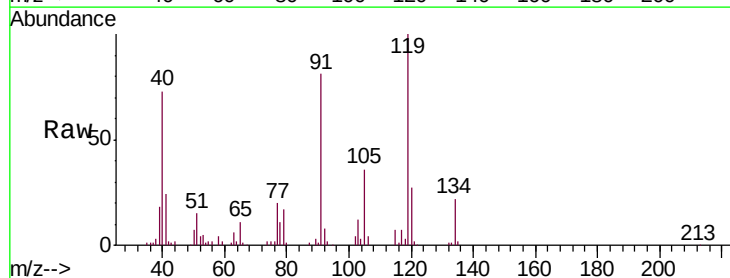
Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

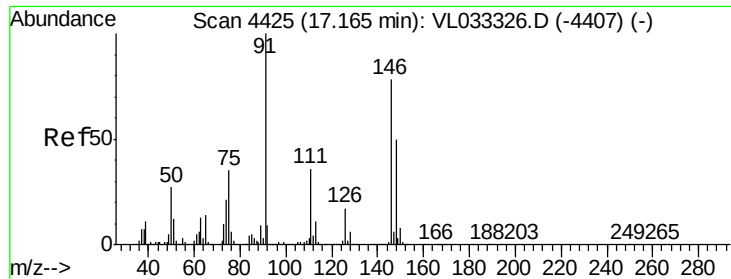
Tgt Ion:120 Resp: 13775
Ion Ratio Lower Upper
120 100
91 1090.1 389.8 584.6#



#65
tert-Butylbenzene
Concen: 0.359 ppbv
RT: 16.90 min Scan# 4343
Delta R.T. -0.01 min
Lab File: VL033362.D
Acq: 18 Mar 2019 17:27

Tgt Ion:119 Resp: 100513
Ion Ratio Lower Upper
119 100
91 90.0 67.2 100.8
134 20.2 15.4 23.2

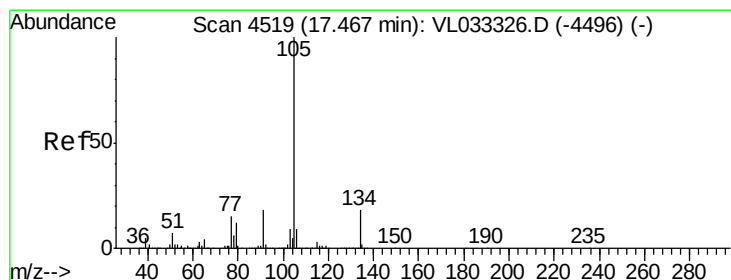
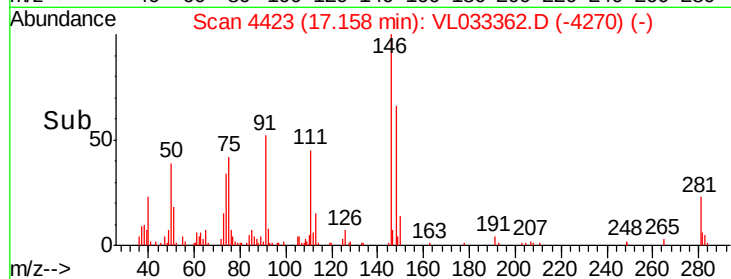
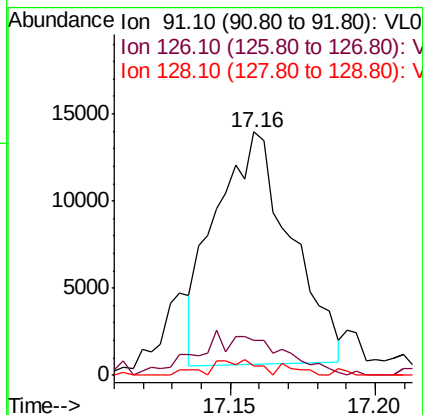
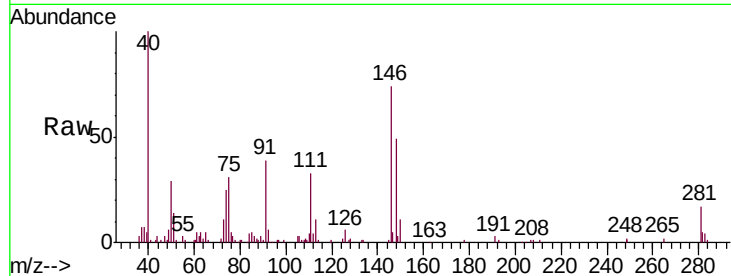




#66
Benzyl Chloride
Concen: 0.206 ppbv
RT: 17.16 min Scan# 4423
Delta R.T. -0.01 min
Lab File: VL033362.D
Acq: 18 Mar 2019 17:27

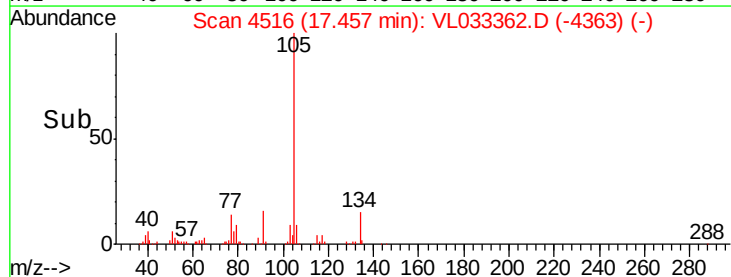
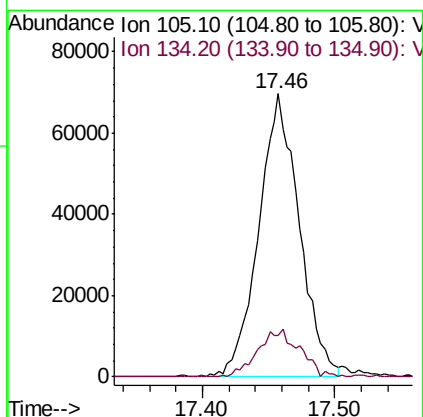
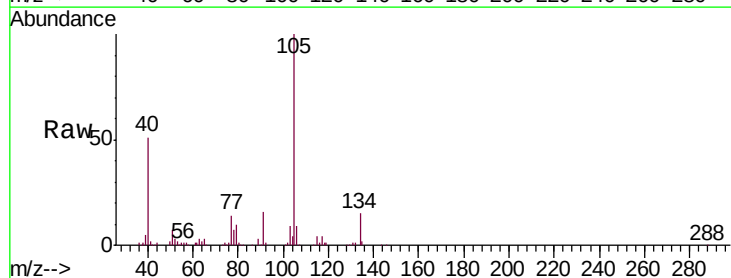
Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

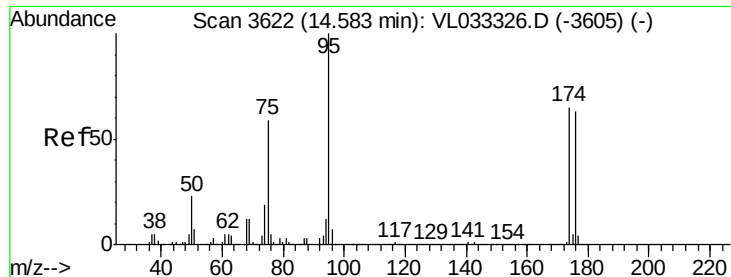
Tgt Ion: 91 Resp: 23847
Ion Ratio Lower Upper
91 100
126 21.8 13.2 19.8#
128 6.1 4.2 6.4



#67
sec-Butylbenzene
Concen: 0.372 ppbv
RT: 17.46 min Scan# 4516
Delta R.T. -0.01 min
Lab File: VL033362.D
Acq: 18 Mar 2019 17:27

Tgt Ion: 105 Resp: 147783
Ion Ratio Lower Upper
105 100
134 17.7 14.2 21.4

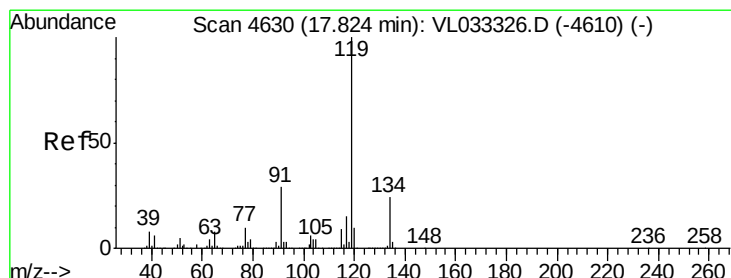
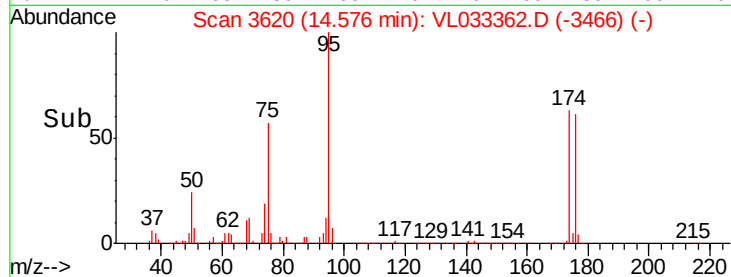
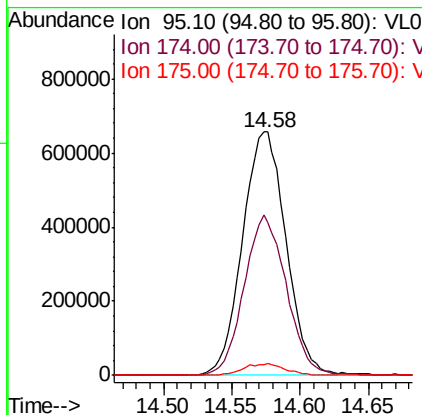
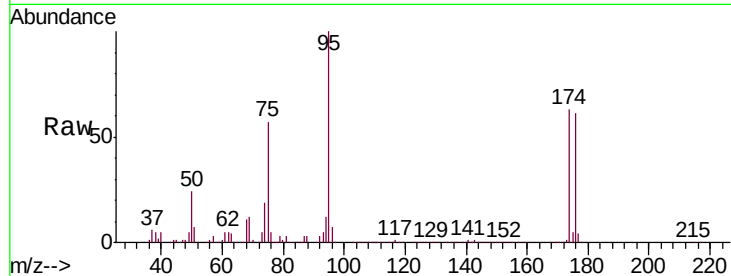




#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.385 ppbv
 RT: 14.58 min Scan# 3620
 Delta R.T. -0.01 min
 Lab File: VL033362.D
 Acq: 18 Mar 2019 17:27

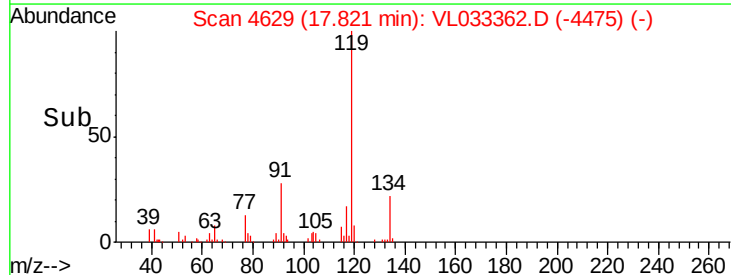
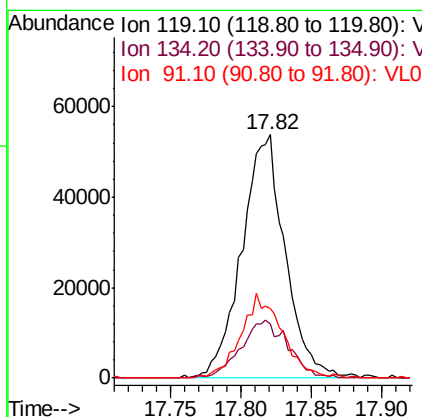
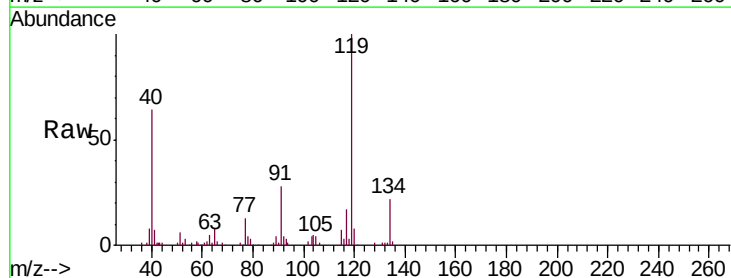
Instrument :
 MSVOA_L
 ClientSampleId :
 0.4 MDL

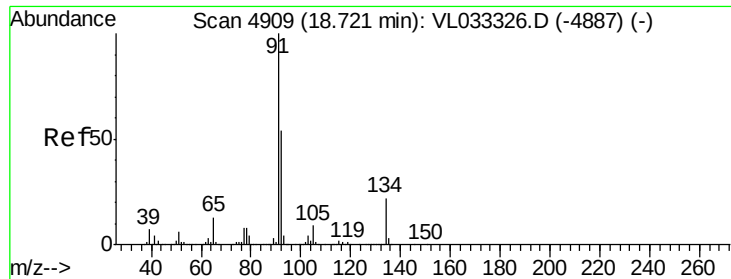
Tgt Ion: 95 Resp: 1452013
 Ion Ratio Lower Upper
 95 100
 174 64.4 51.5 77.3
 175 4.6 3.8 5.6



#69
 p-Isopropyltoluene
 Concen: 0.356 ppbv
 RT: 17.82 min Scan# 4629
 Delta R.T. -0.00 min
 Lab File: VL033362.D
 Acq: 18 Mar 2019 17:27

Tgt Ion: 119 Resp: 115500
 Ion Ratio Lower Upper
 119 100
 134 25.9 19.8 29.6
 91 33.4 23.4 35.2





#70

n-Butylbenzene

Concen: 0.357 ppbv

RT: 18.71 min Scan# 4907

Delta R.T. -0.01 min

Lab File: VL033362.D

Acq: 18 Mar 2019 17:27

Instrument :

MSVOA_L

ClientSampleId :

0.4 MDL

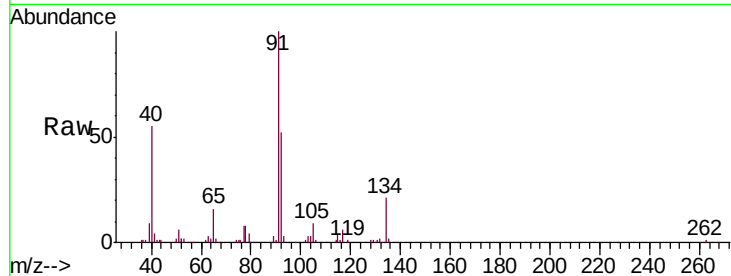
Tgt Ion: 91 Resp: 123379

Ion Ratio Lower Upper

91 100

92 53.1 42.8 64.2

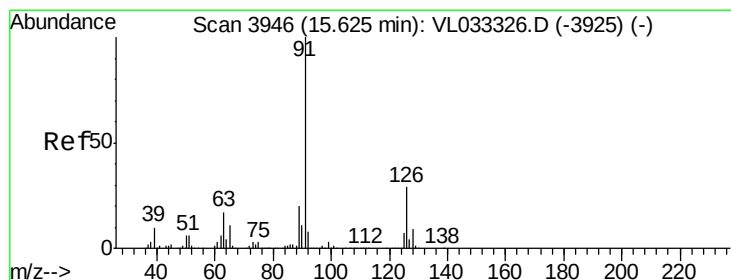
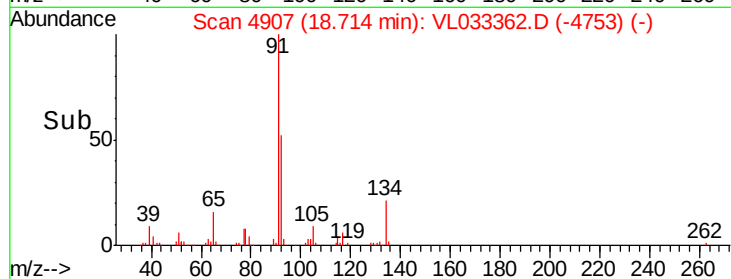
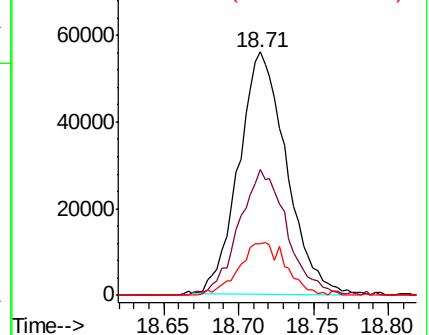
134 21.9 17.4 26.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

Ion 134.20 (133.90 to 134.90): V



#71

2-Chlorotoluene

Concen: 0.060 ppbv

RT: 15.61 min Scan# 3943

Delta R.T. -0.01 min

Lab File: VL033362.D

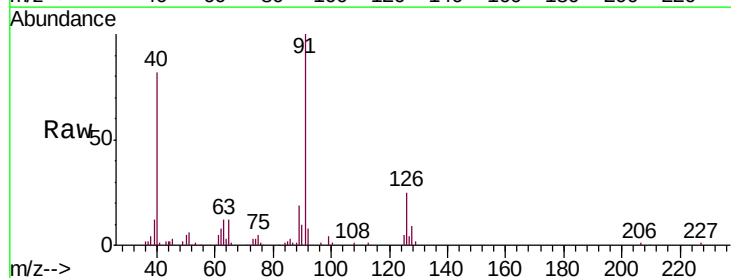
Acq: 18 Mar 2019 17:27

Tgt Ion: 91 Resp: 14636

Ion Ratio Lower Upper

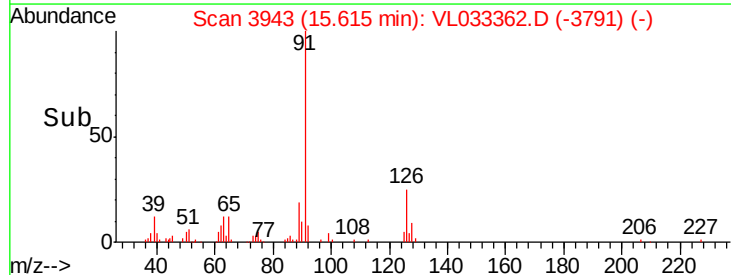
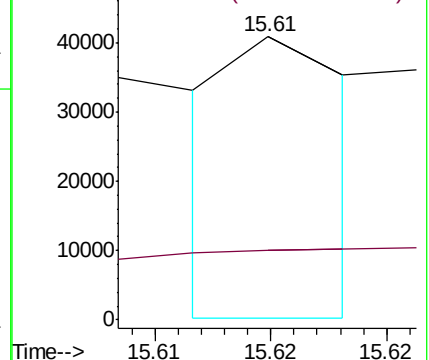
91 100

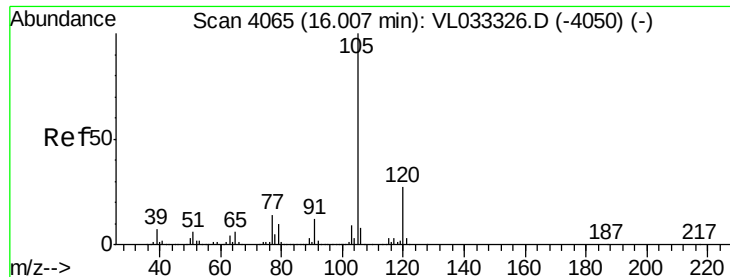
126 0.0 11.6 46.6#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V





#72

4-Ethyltoluene

Concen: 0.345 ppbv

RT: 16.00 min Scan# 4063

Delta R.T. -0.01 min

Lab File: VL033362.D

Acq: 18 Mar 2019 17:27

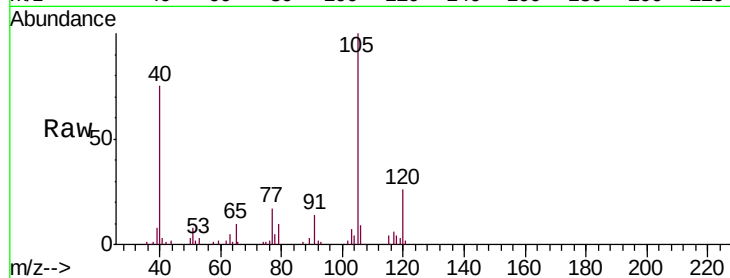
Instrument :

MSVOA_L

ClientSampleId :

0.4 MDL

Tgt Ion:	105	Resp:	87612
Ion	Ratio	Lower	Upper
105	100		
120	29.6	22.9	34.3
91	16.4	10.2	15.2#
77	16.9	11.1	16.7#

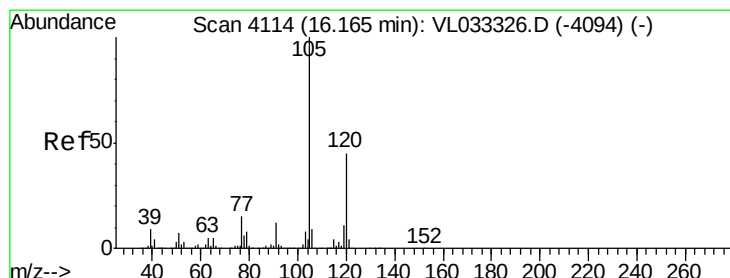
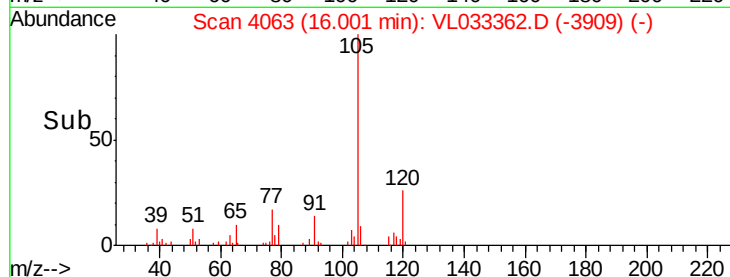
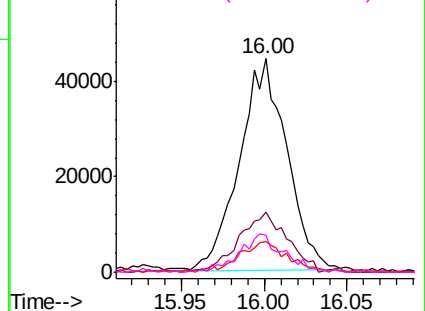


Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#73

1,3,5-Trimethylbenzene

Concen: 0.360 ppbv

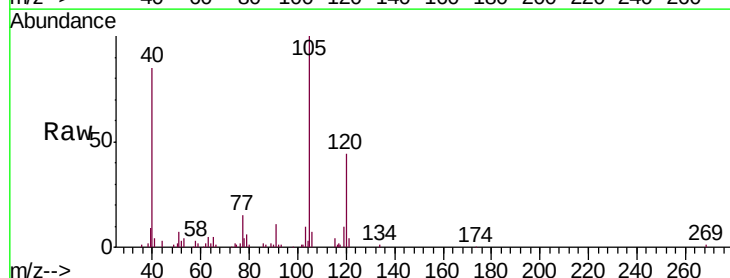
RT: 16.16 min Scan# 4112

Delta R.T. -0.01 min

Lab File: VL033362.D

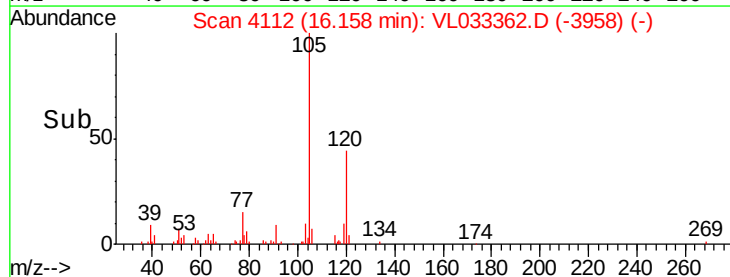
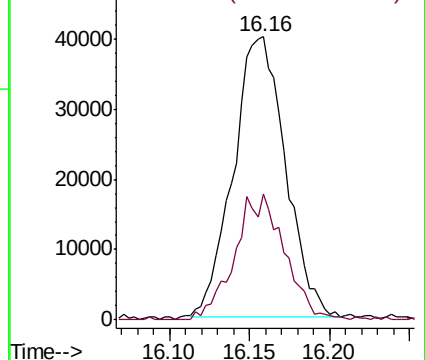
Acq: 18 Mar 2019 17:27

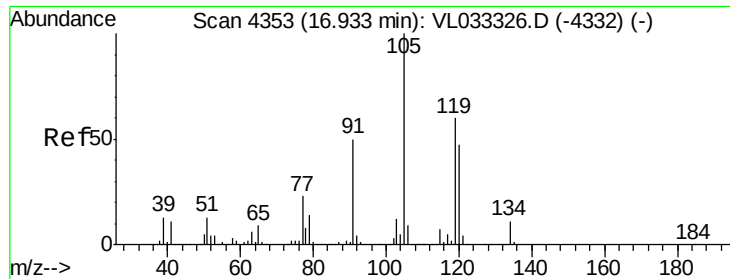
Tgt Ion:	105	Resp:	89088
Ion	Ratio	Lower	Upper
105	100		
120	44.8	36.2	54.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#74

1,2,4-Trimethylbenzene

Concen: 0.384 ppbv

RT: 16.92 min Scan# 4350

Delta R.T. -0.01 min

Lab File: VL033362.D

Acq: 18 Mar 2019 17:27

Instrument :

MSVOA_L

ClientSampleId :

0.4 MDL

Tgt Ion:105 Resp: 100582

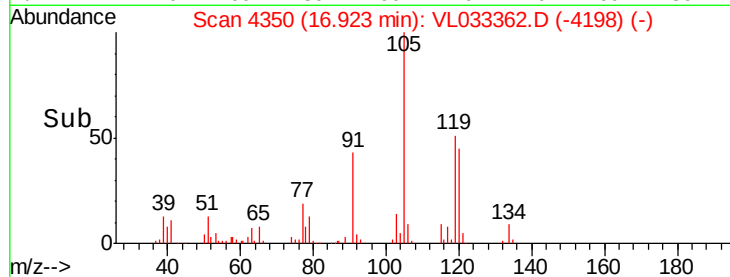
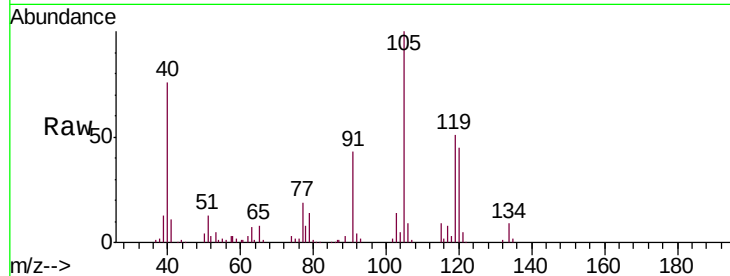
Ion Ratio Lower Upper

105 100

120 44.6 37.4 56.2

91 42.8 41.0 61.4

77 19.2 18.5 27.7

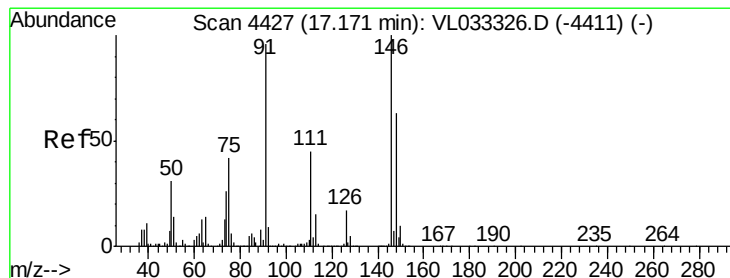
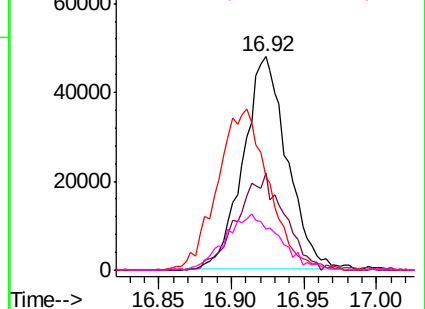


Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#75

1,3-Dichlorobenzene

Concen: 0.234 ppbv

RT: 17.16 min Scan# 4424

Delta R.T. -0.01 min

Lab File: VL033362.D

Acq: 18 Mar 2019 17:27

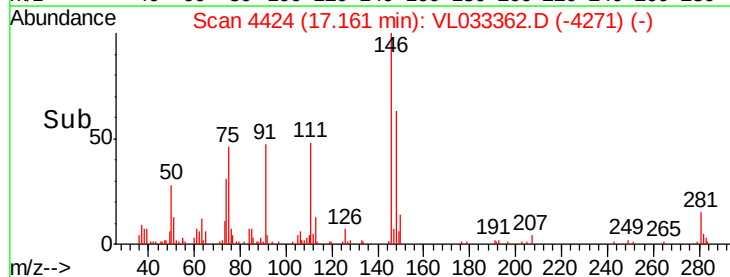
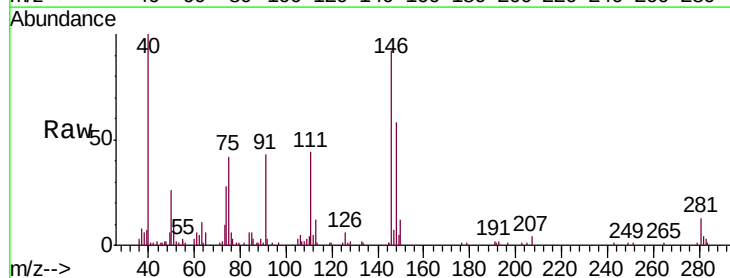
Tgt Ion:146 Resp: 36086

Ion Ratio Lower Upper

146 100

111 85.0 22.8 68.3#

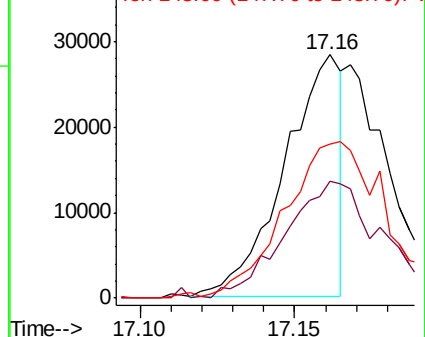
148 0.0 31.9 95.7#

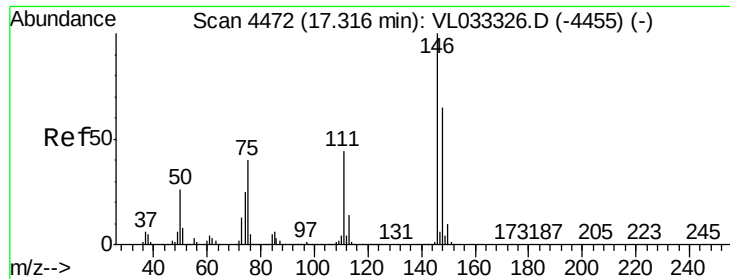


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

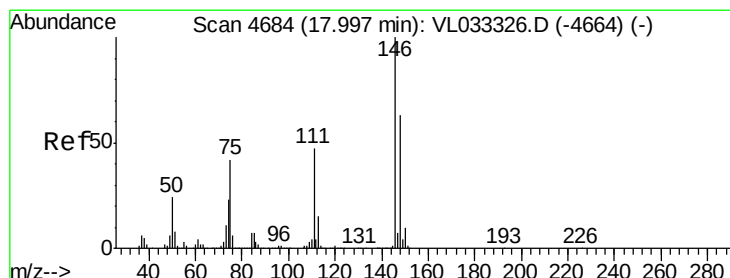
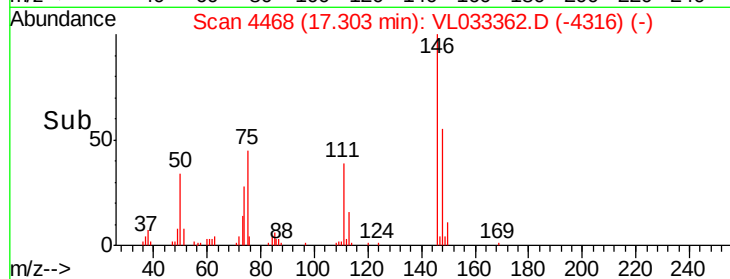
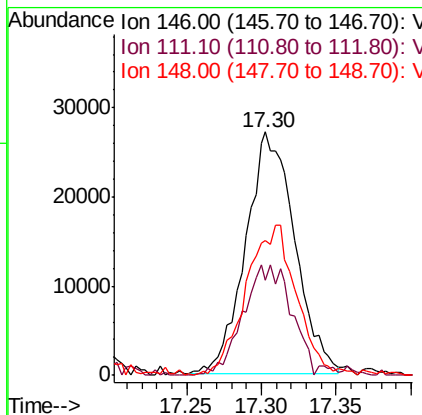
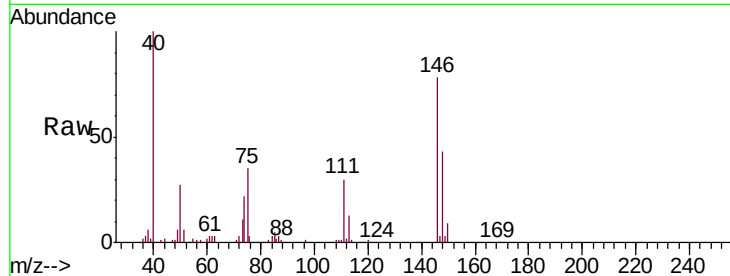




#76
 1,4-Dichlorobenzene
 Concen: 0.412 ppbv
 RT: 17.30 min Scan# 4468
 Delta R.T. -0.01 min
 Lab File: VL033362.D
 Acq: 18 Mar 2019 17:27

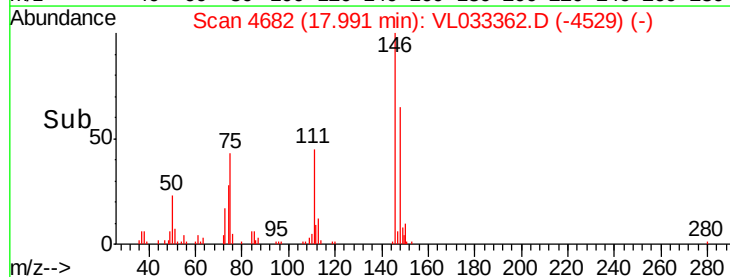
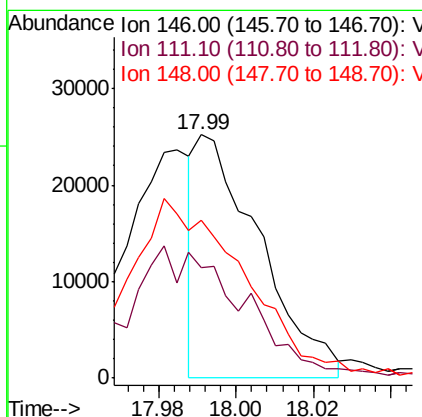
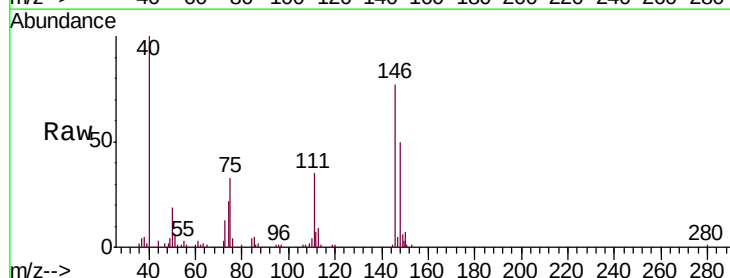
Instrument :
 MSVOA_L
 ClientSampleId :
 0.4 MDL

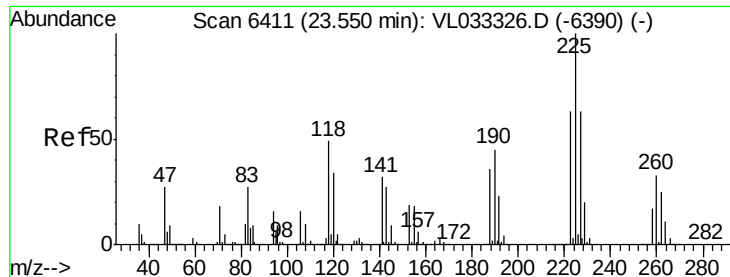
Tgt Ion	Ratio	Lower	Upper
146	100		
111	47.4	21.9	65.7
148	65.0	32.1	96.5



#77
 1,2-Dichlorobenzene
 Concen: 0.196 ppbv
 RT: 17.99 min Scan# 4682
 Delta R.T. -0.01 min
 Lab File: VL033362.D
 Acq: 18 Mar 2019 17:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	0.0	23.5	70.6#
148	0.0	31.9	95.9#





#78

Hexachloro-1,3-Butadiene

Concen: 0.330 ppbv

RT: 23.54 min Scan# 6407

Delta R.T. -0.01 min

Lab File: VL033362.D

Acq: 18 Mar 2019 17:27

Instrument :

MSVOA_L

ClientSampled :

0.4 MDL

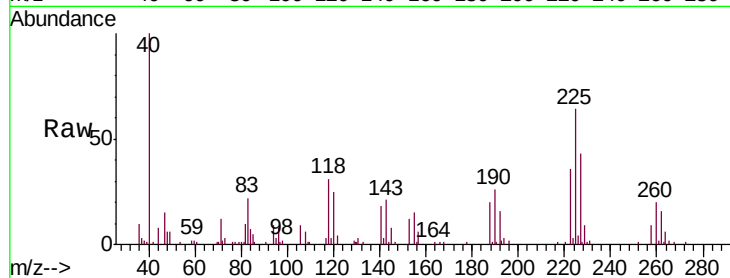
Tgt Ion:225 Resp: 28988

Ion Ratio Lower Upper

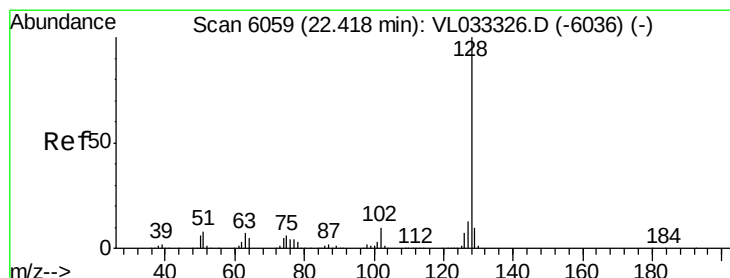
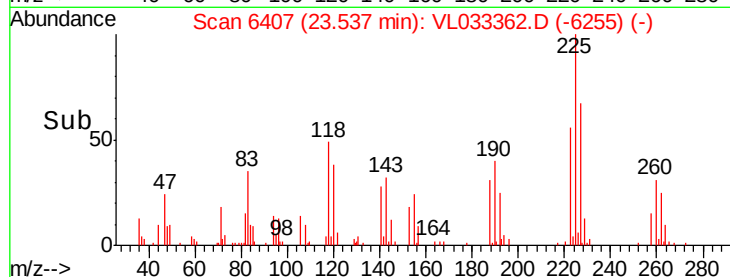
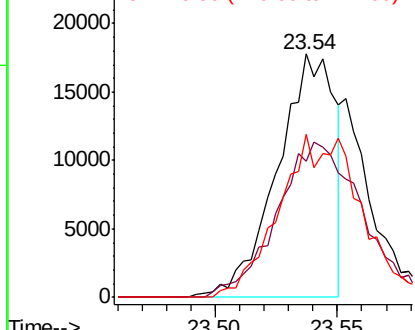
225 100

223 94.2 50.4 75.6#

227 94.1 50.5 75.7#



Abundance Ion 224.90 (224.60 to 225.60): V
Ion 222.90 (222.60 to 223.60): V
Ion 226.90 (226.60 to 227.60): V



#79

Naphthalene

Concen: 0.138 ppbv

RT: 22.42 min Scan# 6060

Delta R.T. 0.00 min

Lab File: VL033362.D

Acq: 18 Mar 2019 17:27

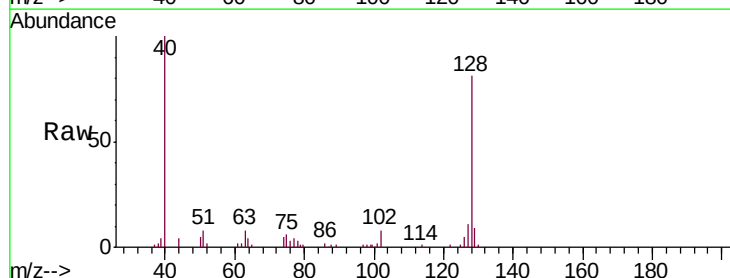
Tgt Ion:128 Resp: 34778

Ion Ratio Lower Upper

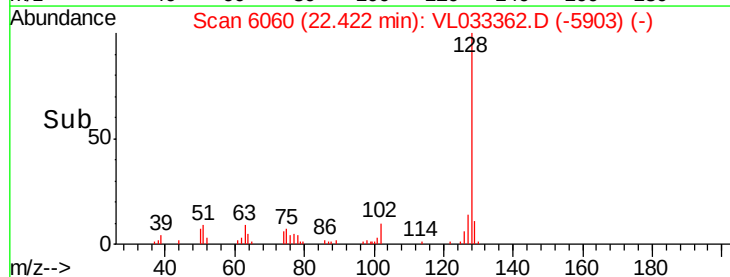
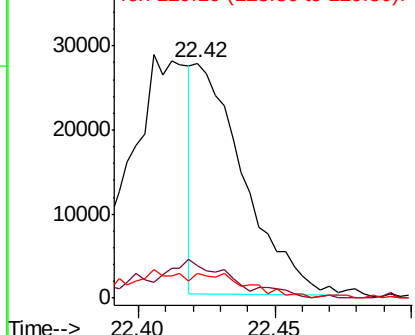
128 100

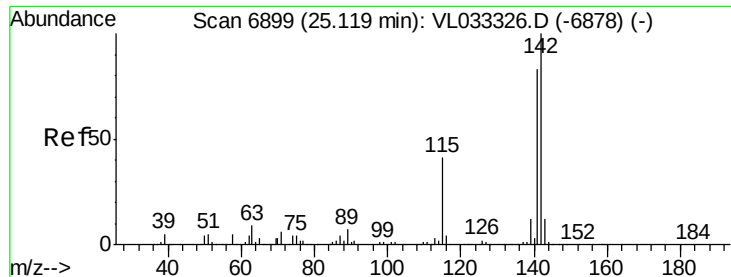
127 11.5 10.1 15.1

129 9.9 8.2 12.2



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

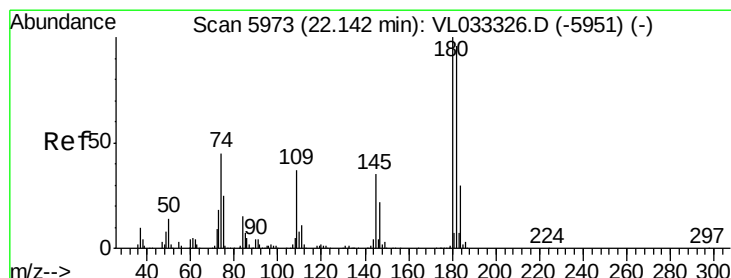
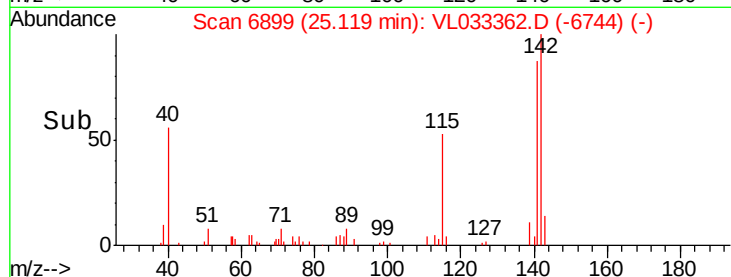
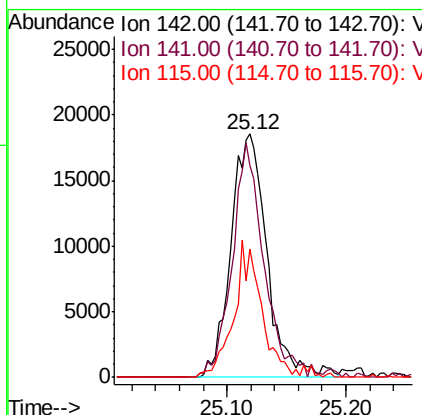
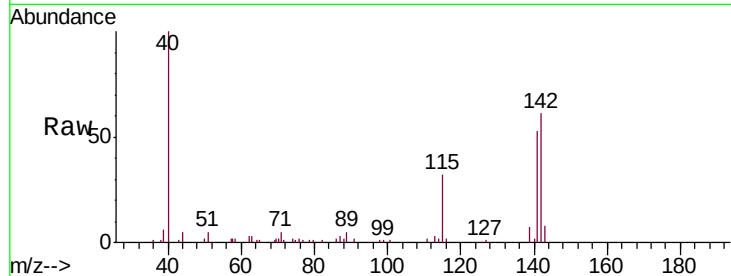




#80
Naphthalene, 2-methyl-
Concen: 0.325 ppbv
RT: 25.12 min Scan# 6899
Delta R.T. -0.00 min
Lab File: VL033362.D
Acq: 18 Mar 2019 17:27

Instrument :
MSVOA_L
ClientSampled :
0.4 MDL

Tgt Ion:142 Resp: 38961
Ion Ratio Lower Upper
142 100
141 86.2 67.1 100.7
115 44.2 33.8 50.6



#81
1,2,4-Trichlorobenzene
Concen: 0.388 ppbv
RT: 22.14 min Scan# 5971
Delta R.T. -0.01 min
Lab File: VL033362.D
Acq: 18 Mar 2019 17:27

Tgt Ion:180 Resp: 50026
Ion Ratio Lower Upper
180 100
182 97.4 76.1 114.1
184 32.7 24.6 37.0

