

Data File : VV008871.D
Acq On : 06 Dec 2018 22:11
Operator : SY/MD
Sample : MDL06
Misc : 5.00g/10.0 mL/MSVOA_V/SOIL
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MDL06

Quant Time: Dec 07 01:42:27 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 07 01:37:11 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	198698	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	179964	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	73438	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	50094	24.36	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.44%
7) Chloroethane-d5	1.58	69	38868	25.59	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	102.36%
10) 1,1-Dichloroethene-d2	2.13	63	96598	18.79	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	75.16%
20) 2-Butanone-d5	3.93	46	42992	57.43	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	114.86%
24) Chloroform-d	4.40	84	110087	23.05	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	92.20%
26) 1,2-Dichloroethane-d4	5.08	65	66379	25.46	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	101.84%
29) Benzene-d6	5.10	84	232333	23.11	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	92.44%
33) 1,2-Dichloropropane-d6	6.12	67	67057	23.83	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.32%
37) Toluene-d8	7.36	98	209689	22.54	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	90.16%
38) trans-1,3-Dichloropropene-	7.67	79	28223	22.83	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	91.32%
39) 2-Hexanone-d5	8.14	63	26563	51.53	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.06%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	57166	24.22	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	96.88%
61) 1,2-Dichlorobenzene-d4	11.68	152	67266	24.41	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.64%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	3766	1.156 ug/L	97
3) Chloromethane	1.25	50	2304	1.029 ug/L	84
5) Vinyl chloride	1.32	62	2354	0.942 ug/L #	47
6) Bromomethane	1.53	94	1457	1.213 ug/L	90
8) Chloroethane	1.60	64	1805	1.290 ug/L	87
9) Trichlorofluoromethane	1.77	101	5011	1.171 ug/L	94
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	3558	1.212 ug/L #	88
12) 1,1-Dichloroethene	2.14	96	3163	1.235 ug/L #	1
13) Acetone	2.19	43	3530	3.200 ug/L	90
14) Carbon disulfide	2.32	76	7339	0.892 ug/L	99
15) Methyl Acetate	2.46	43	1506	1.077 ug/L #	90
16) Methylene chloride	2.53	84	8066	2.411 ug/L	93
17) Methyl tert-butyl Ether	2.80	73	5822	1.001 ug/L	97
18) trans-1,2-Dichloroethene	2.79	96	2511	0.907 ug/L	85
19) 1,1-Dichloroethane	3.23	63	4286	0.955 ug/L	91
22) cis-1,2-Dichloroethene	3.96	96	2764	0.958 ug/L	89
23) Bromochloromethane	4.31	128	1272	0.935 ug/L	96

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Quant Title : VOC Analysis
QLast Update : Fri Dec 07 01:37:11 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	4.42	83	6702	1.392	ug/L	77
27) 1,2-Dichloroethane	5.18	62	3499	1.067	ug/L	97
30) Cyclohexane	4.72	56	2714	0.599	ug/L #	66
31) 1,1,1-Trichloroethane	4.66	97	4195	0.904	ug/L #	90
32) Carbon tetrachloride	4.88	117	3496	0.825	ug/L	94
34) Benzene	5.15	78	9944	0.922	ug/L	100
35) Trichloroethene	5.96	95	3241	0.997	ug/L	96
36) Methylcyclohexane	6.18	83	4628	0.893	ug/L #	87
40) 1,2-Dichloropropane	6.23	63	2399	0.927	ug/L #	93
41) Bromodichloromethane	6.55	83	2908	0.853	ug/L	96
42) cis-1,3-Dichloropropene	7.07	75	3588	0.947	ug/L	99
43) 4-Methyl-2-pentanone	7.28	43	4508	2.577	ug/L	90
44) Toluene	7.43	91	11039	0.976	ug/L	94
45) trans-1,3-Dichloropropene	7.69	75	2972	0.900	ug/L	99
46) 1,1,2-Trichloroethane	7.88	97	2051	0.951	ug/L	88
47) Tetrachloroethene	8.02	164	2505	0.948	ug/L	87
49) 2-Hexanone	8.19	43	3840	2.654	ug/L #	82
50) Dibromochloromethane	8.29	129	2024	0.819	ug/L	86
51) 1,2-Dibromoethane	8.40	107	2001	0.924	ug/L #	98
52) Chlorobenzene	8.93	112	6947	0.944	ug/L	93
53) Ethylbenzene	9.06	91	10218	0.833	ug/L	90
54) m,p-Xylene	9.18	106	3740	0.805	ug/L	95
55) o-xylene	9.59	106	3843	0.891	ug/L	82
56) Styrene	9.61	104	5617	0.807	ug/L	95
57) Isopropylbenzene	9.98	105	9145	0.780	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.29	83	2693	1.155	ug/L #	97
59) 1,2,3-Trichloropropane	10.32	75	2107	1.045	ug/L	96
62) Bromoform	9.78	173	1131	0.853	ug/L #	96
63) 1,3-Dichlorobenzene	11.23	146	4687	0.990	ug/L	97
64) 1,4-Dichlorobenzene	11.32	146	5063	1.040	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	4561	1.046	ug/L	97
67) 1,3,5-Trichlorobenzene	12.69	180	2835	0.829	ug/L	96
68) 1,2,4-trichlorobenzene	13.31	180	1726	0.721	ug/L	93
69) Naphthalene	13.56	128	2724	0.660	ug/L #	74
70) 1,2,3-Trichlorobenzene	13.80	180	1653	0.747	ug/L #	94

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

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ALS Vial      : 21      Sample Multiplier: 1
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Instrument :
MSVOA_V
ClientSampleId :
MDL06

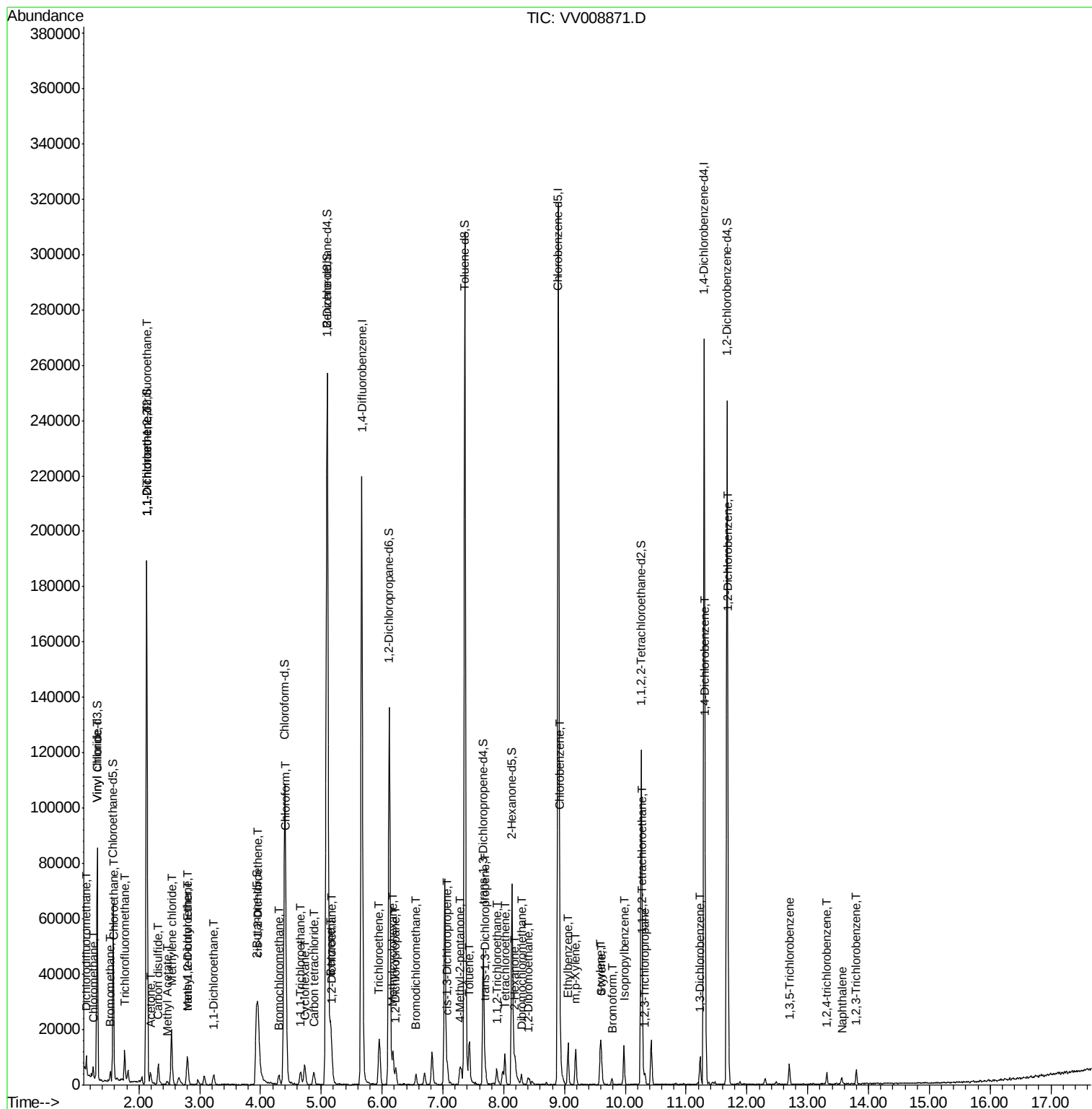
Quant Time: Dec 07 01:42:27 2018

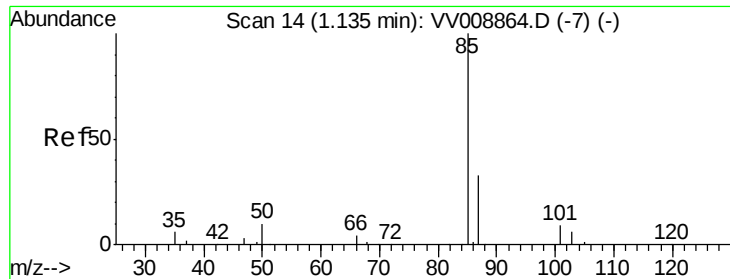
Quant Method : Z:\VOASRV\HPCHEM1\MSV0A_V\METHOD\SOM2VLM120618S.M

Quant Title : VOC Analysis

QLast Update : Fri Dec 07 01:37:11 2018

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 1.156 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV008871.D

Acq: 06 Dec 2018 22:11

Instrument :

MSVOA_V

ClientSampleId :

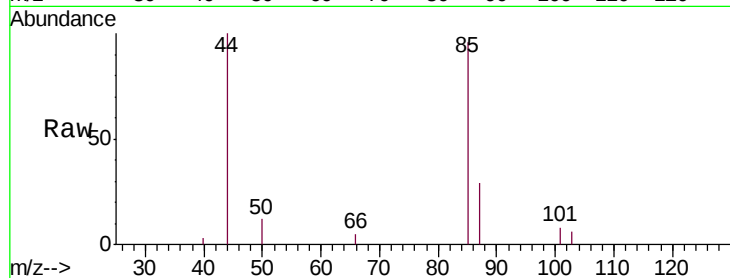
MDL06

Tgt Ion: 85 Resp: 3766

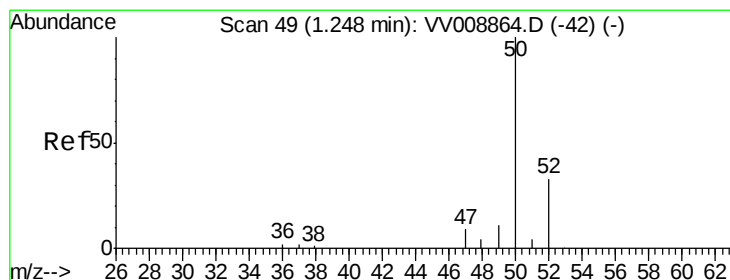
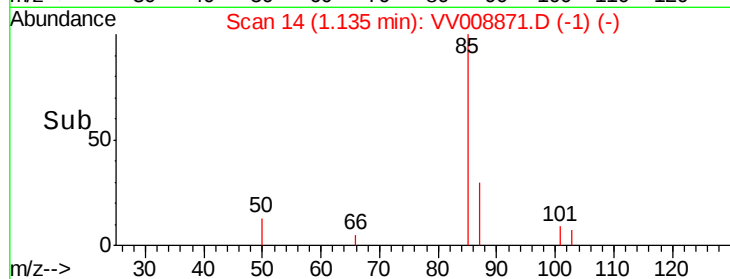
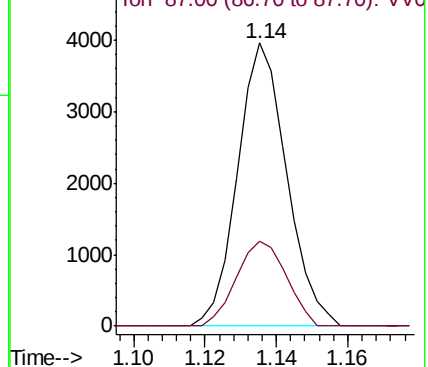
Ion Ratio Lower Upper

85 100

87 30.5 22.4 41.6



Abundance Ion 85.00 (84.70 to 85.70): VV008864.D (-7) (-)



#3

Chloromethane

Concen: 1.029 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV008871.D

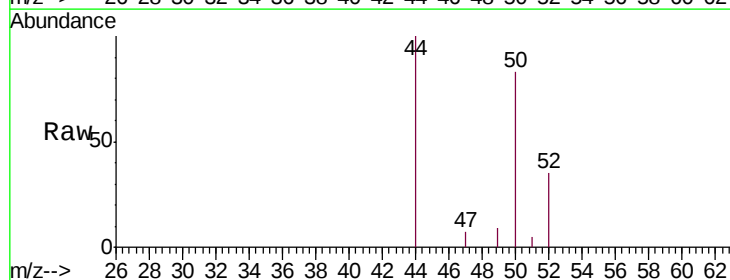
Acq: 06 Dec 2018 22:11

Tgt Ion: 50 Resp: 2304

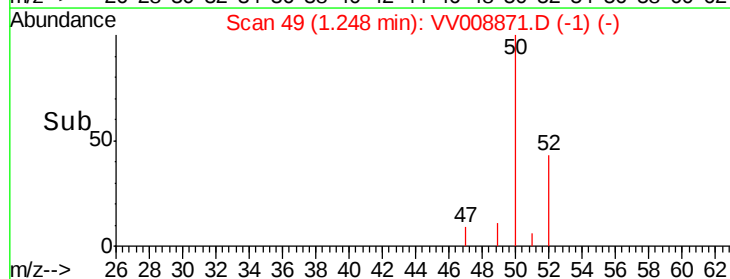
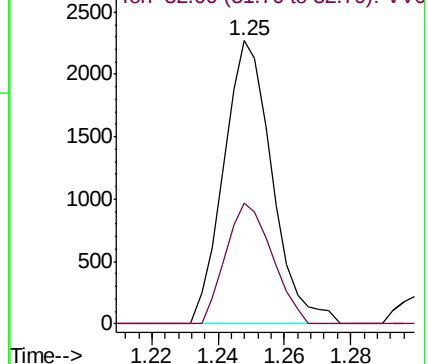
Ion Ratio Lower Upper

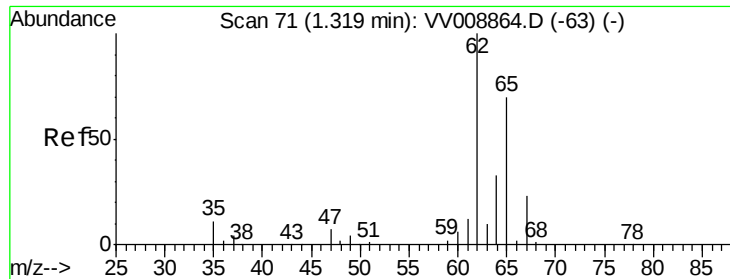
50 100

52 42.5 23.2 43.2



Abundance Ion 50.00 (49.70 to 50.70): VV008864.D (-42) (-)





#5

Vinyl chloride

Concen: 0.942 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV008871.D

Acq: 06 Dec 2018 22:11

Instrument :

MSVOA_V

ClientSampleId :

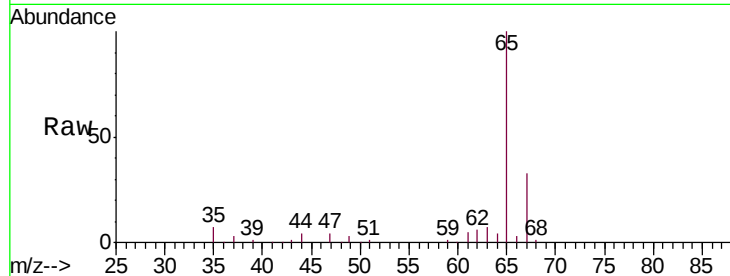
MDL06

Tgt Ion: 62 Resp: 2354

Ion Ratio Lower Upper

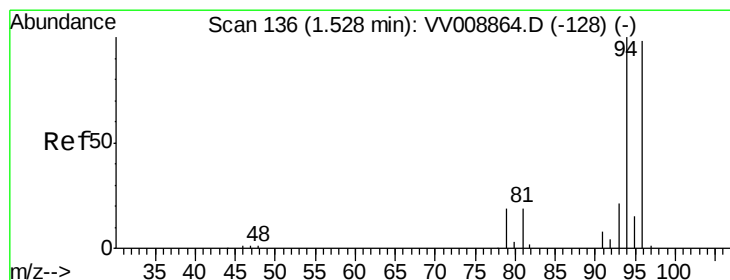
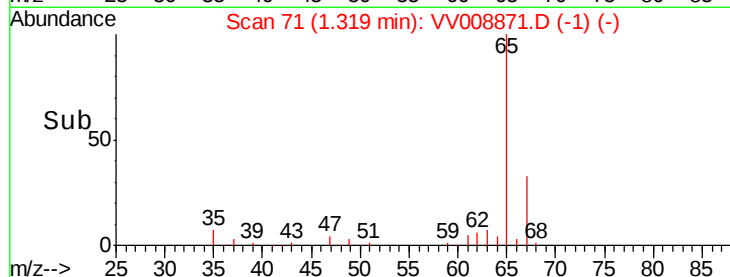
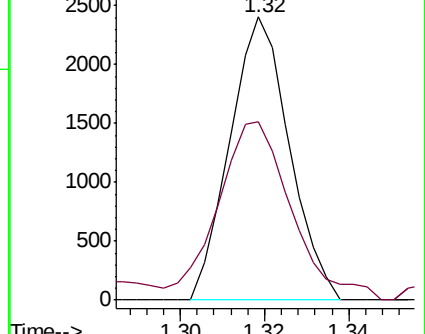
62 100

64 63.1 23.3 43.3#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 1.213 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV008871.D

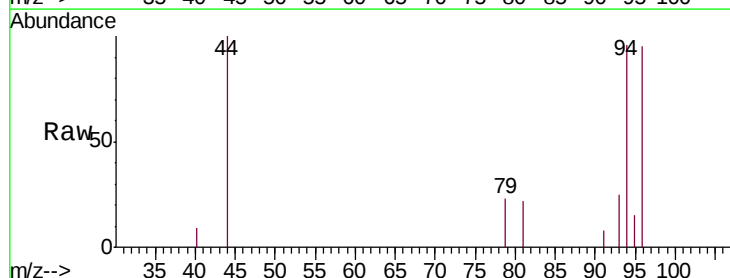
Acq: 06 Dec 2018 22:11

Tgt Ion: 94 Resp: 1457

Ion Ratio Lower Upper

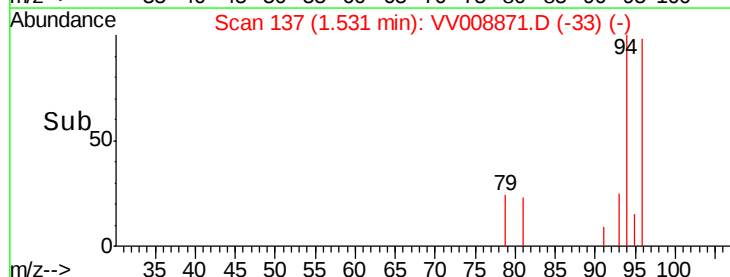
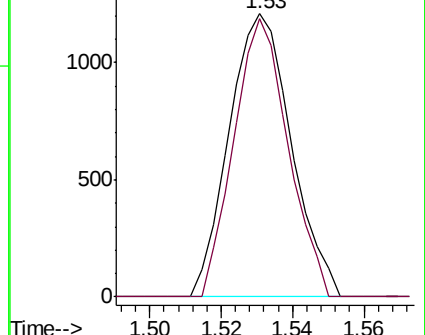
94 100

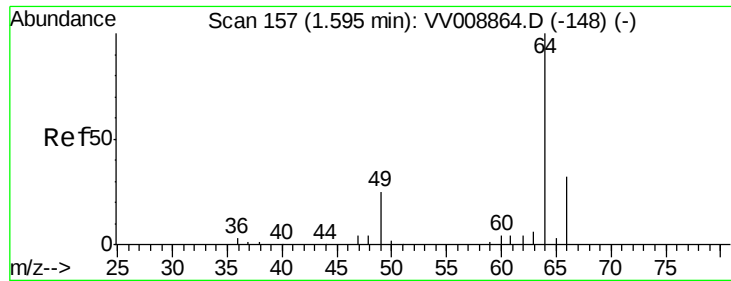
96 85.3 9.5 180.9



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

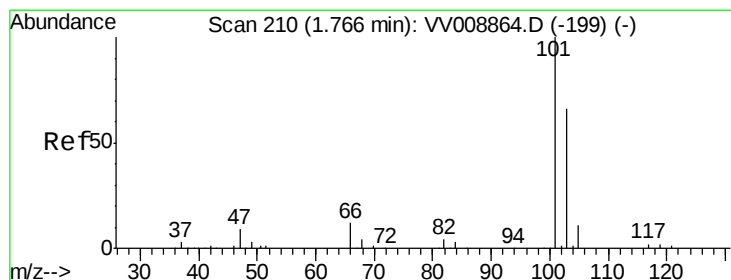
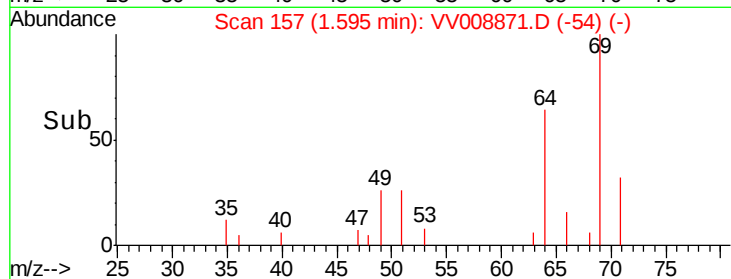
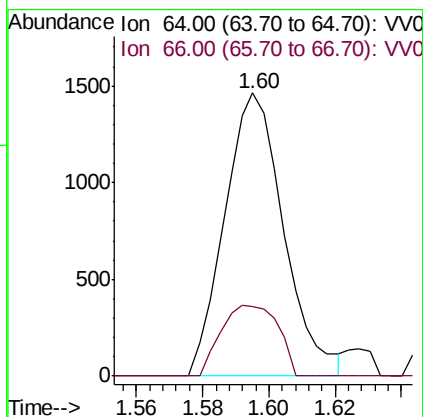
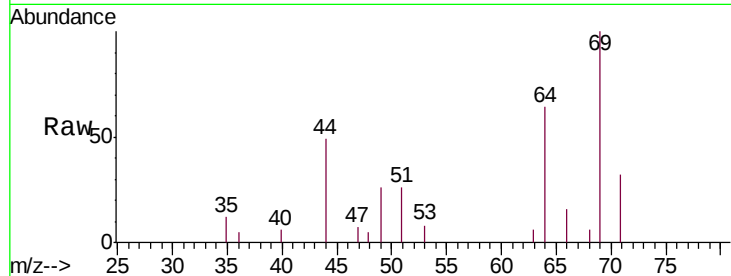




#8
Chloroethane
Concen: 1.290 ug/L
RT: 1.60 min Scan# 157
Delta R.T. -0.00 min
Lab File: VV008871.D
Acq: 06 Dec 2018 22:11

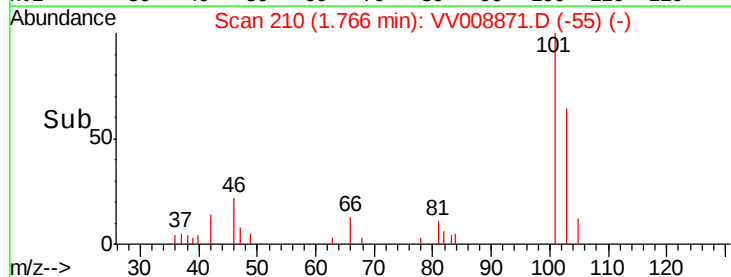
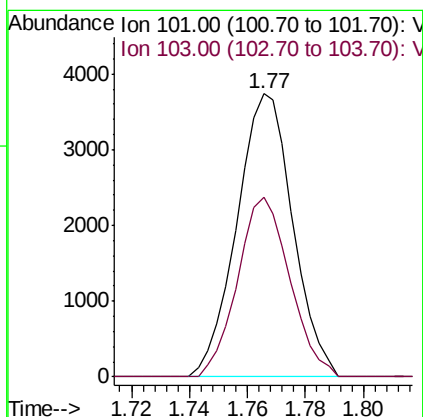
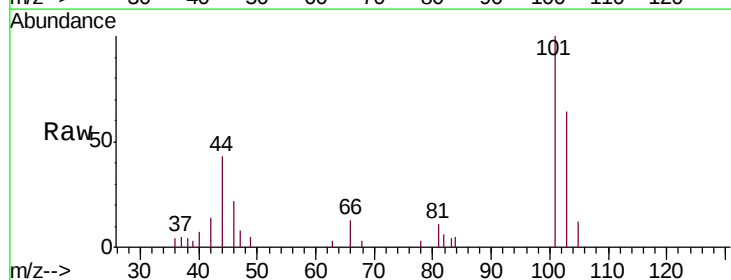
Instrument :
MSVOA_V
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MDL06

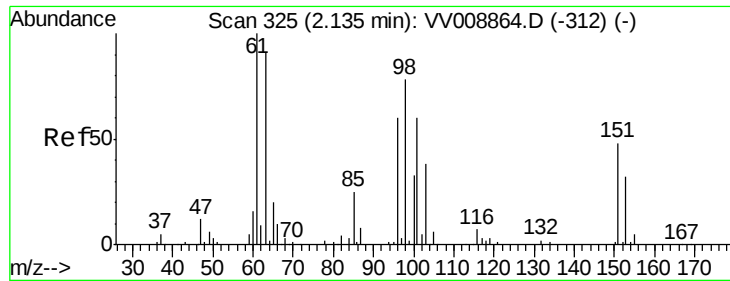
Tgt Ion: 64 Resp: 1805
Ion Ratio Lower Upper
64 100
66 24.7 22.2 41.2



#9
Trichlorofluoromethane
Concen: 1.171 ug/L
RT: 1.77 min Scan# 210
Delta R.T. -0.00 min
Lab File: VV008871.D
Acq: 06 Dec 2018 22:11

Tgt Ion: 101 Resp: 5011
Ion Ratio Lower Upper
101 100
103 59.3 44.8 83.2





#11

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 1.212 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV008871.D

Acq: 06 Dec 2018 22:11

Instrument :

MSVOA_V

ClientSampled :

MDL06

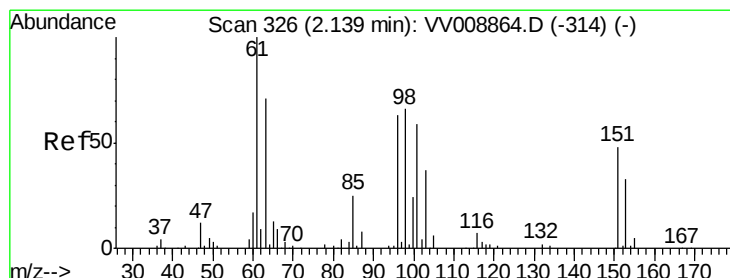
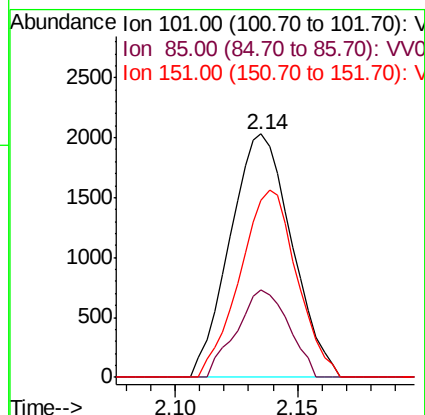
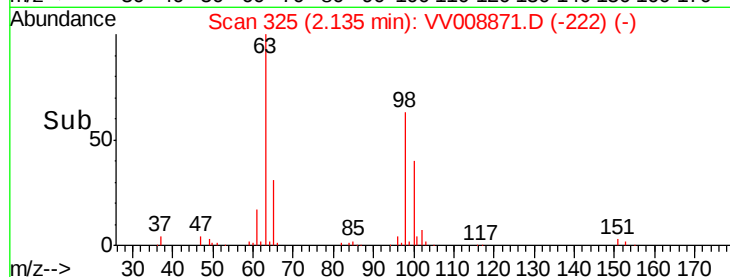
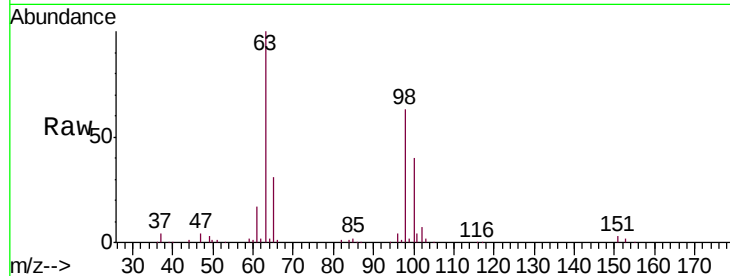
Tgt Ion:101 Resp: 3558

Ion Ratio Lower Upper

101 100

85 30.3 32.5 48.7#

151 71.2 64.2 96.4



#12

1,1-Dichloroethene

Concen: 1.235 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV008871.D

Acq: 06 Dec 2018 22:11

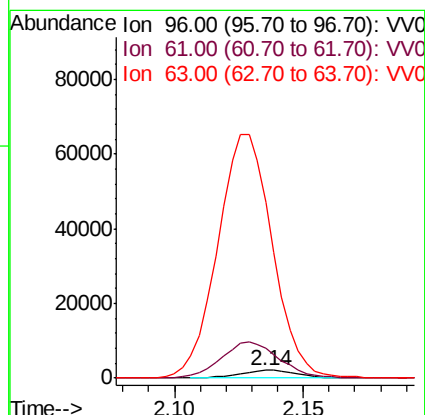
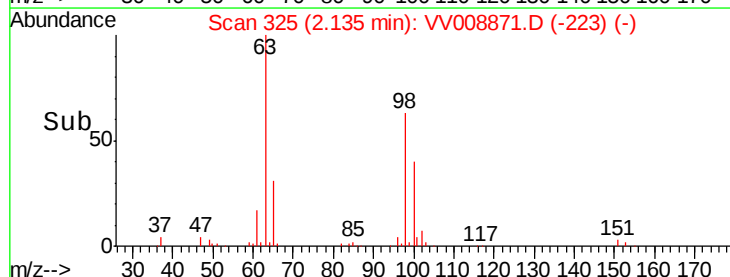
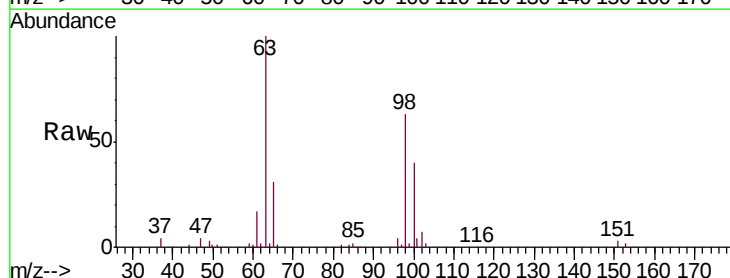
Tgt Ion: 96 Resp: 3163

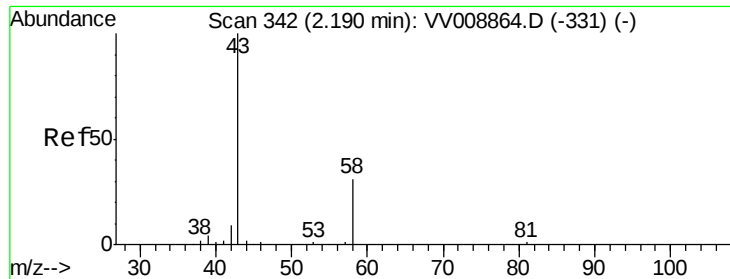
Ion Ratio Lower Upper

96 100

61 372.7 114.0 211.6#

63 2236.4 82.4 153.0#





#13

Acetone

Concen: 3.200 ug/L

RT: 2.19 min Scan# 343

Delta R.T. 0.00 min

Lab File: VV008871.D

Acq: 06 Dec 2018 22:11

Instrument :

MSVOA_V

ClientSampled :

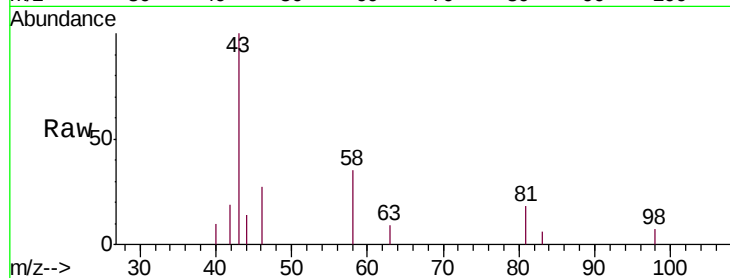
MDL06

Tgt Ion: 43 Resp: 3530

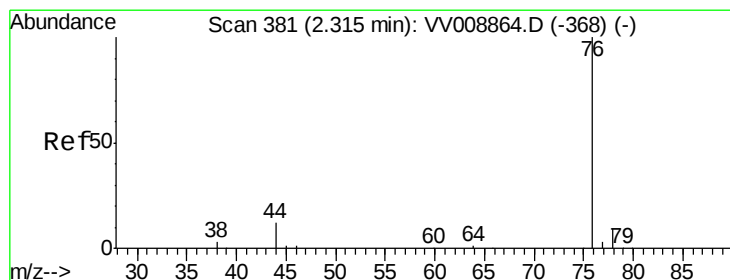
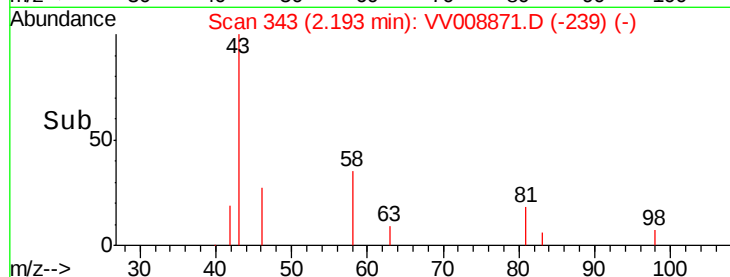
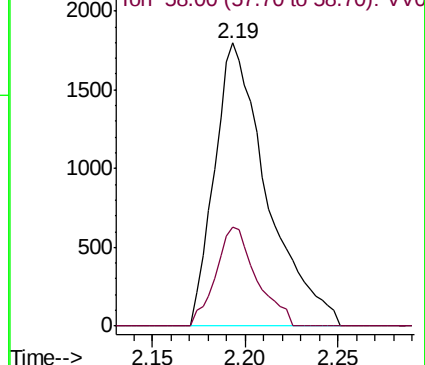
Ion Ratio Lower Upper

43 100

58 27.3 0.0 65.4



Abundance Ion 43.00 (42.70 to 43.70): VV008871.D (-239) (-)



#14

Carbon disulfide

Concen: 0.892 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV008871.D

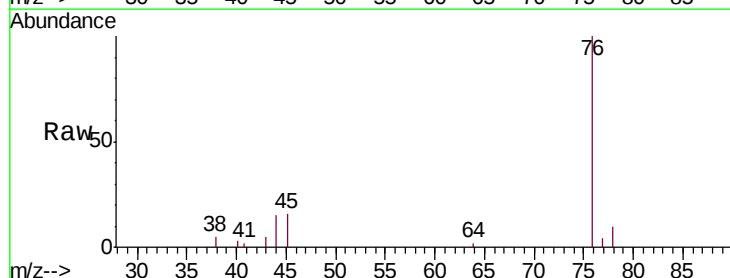
Acq: 06 Dec 2018 22:11

Tgt Ion: 76 Resp: 7339

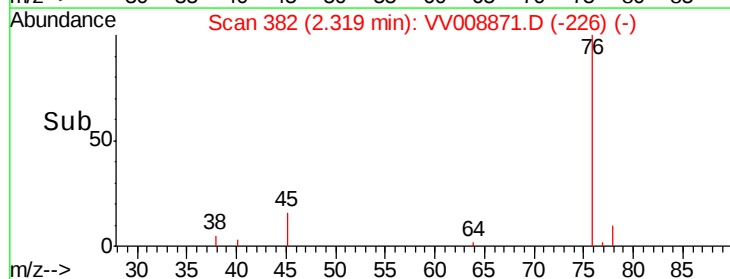
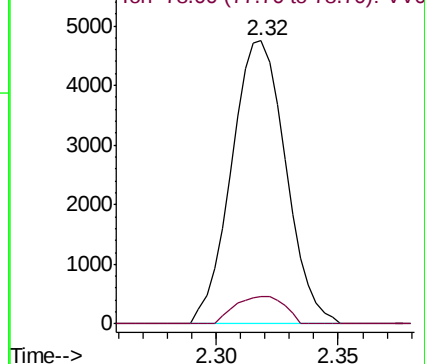
Ion Ratio Lower Upper

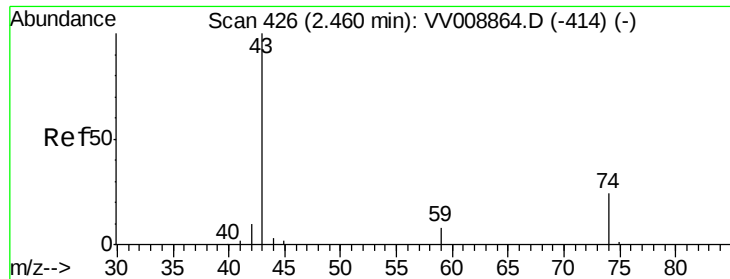
76 100

78 9.6 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VV008871.D (-226) (-)





#15

Methyl Acetate

Concen: 1.077 ug/L

RT: 2.46 min Scan# 427

Delta R.T. 0.00 min

Lab File: VV008871.D

Acq: 06 Dec 2018 22:11

Instrument :

MSVOA_V

ClientSampled :

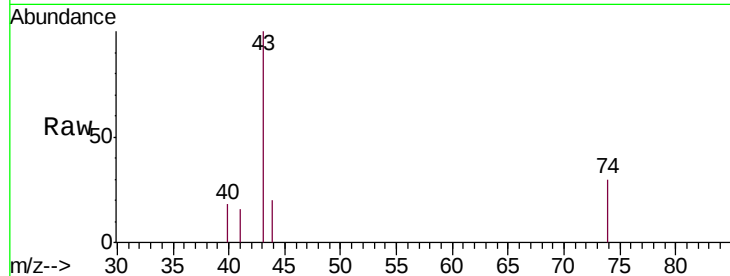
MDL06

Tgt Ion: 43 Resp: 1506

Ion Ratio Lower Upper

43 100

74 19.6 19.7 29.5#



Abundance Ion 43.00 (42.70 to 43.70): VV008871.D (-323) (-)

Ion 74.00 (73.70 to 74.70): VV008871.D (-323) (-)

2.46

800

600

400

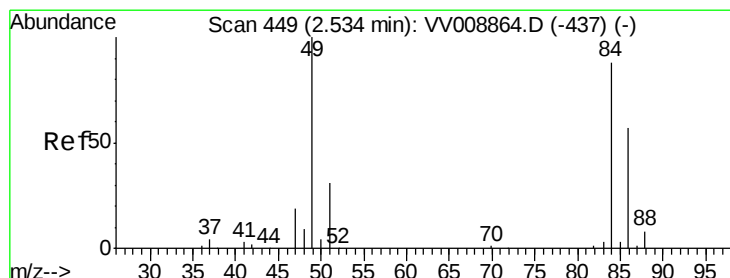
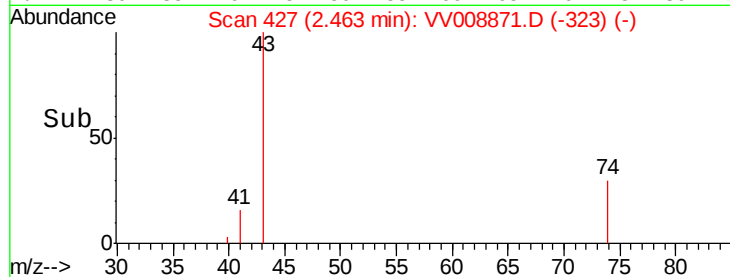
200

0

2.45

2.50

Time-->



#16

Methylene chloride

Concen: 2.411 ug/L

RT: 2.53 min Scan# 449

Delta R.T. -0.00 min

Lab File: VV008871.D

Acq: 06 Dec 2018 22:11

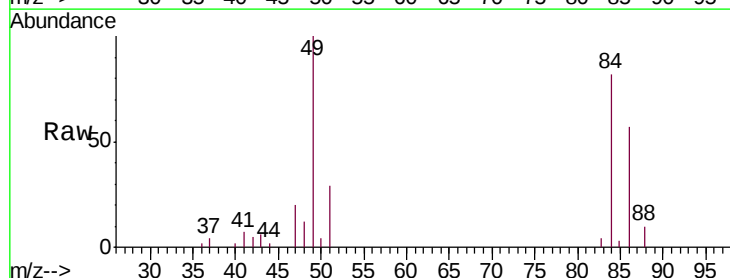
Tgt Ion: 84 Resp: 8066

Ion Ratio Lower Upper

84 100

49 122.7 80.5 149.5

86 69.6 45.5 84.5



Abundance Ion 84.00 (83.70 to 84.70): VV008871.D (-346) (-)

Ion 49.00 (48.70 to 49.70): VV008871.D (-346) (-)

Ion 86.00 (85.70 to 86.70): VV008871.D (-346) (-)

2.53

8000

6000

4000

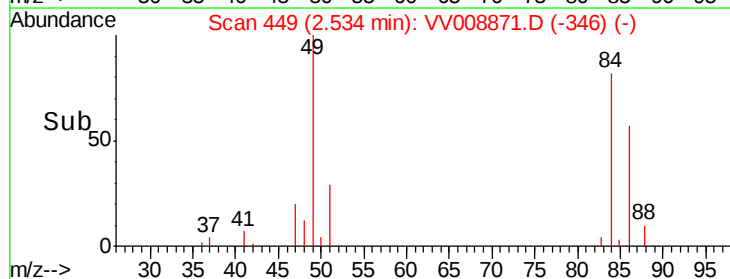
2000

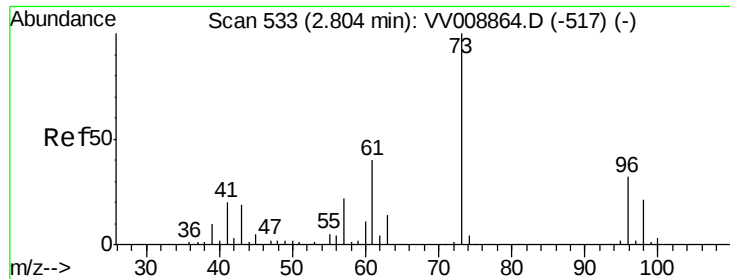
0

2.50

2.55

Time-->

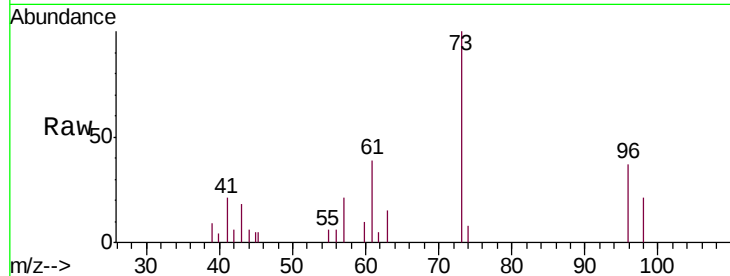




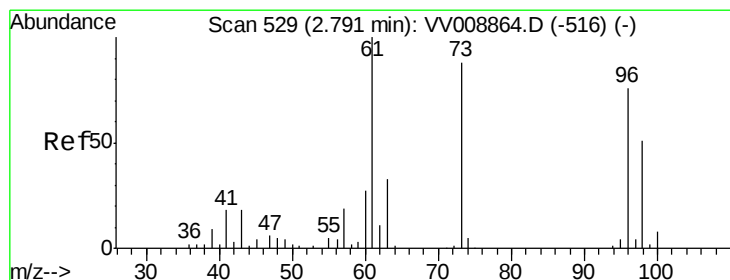
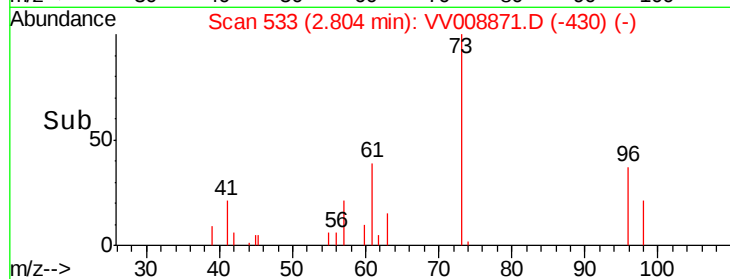
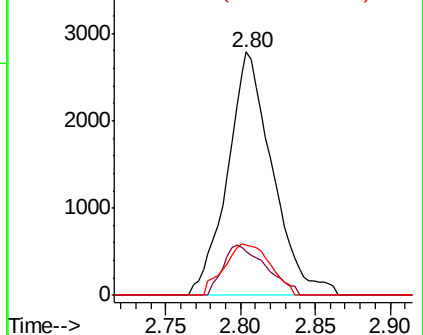
#17
Methyl tert-butyl Ether
Concen: 1.001 ug/L
RT: 2.80 min Scan# 533
Delta R.T. -0.00 min
Lab File: VV008871.D
Acq: 06 Dec 2018 22:11

Instrument :
MSVOA_V
ClientSampled :
MDL06

Tgt Ion: 73 Resp: 5822
Ion Ratio Lower Upper
73 100
43 19.8 14.9 22.3
57 21.6 16.0 24.0

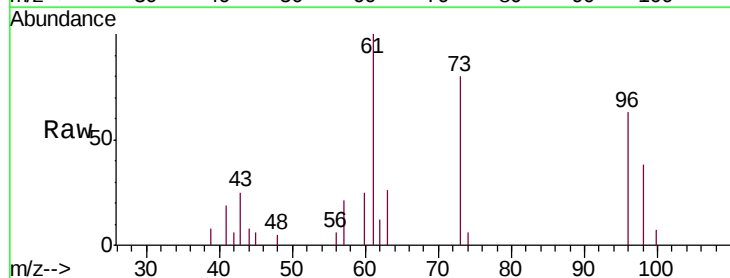


Abundance Ion 73.00 (72.70 to 73.70): VV0
Ion 43.00 (42.70 to 43.70): VV0
Ion 57.00 (56.70 to 57.70): VV0

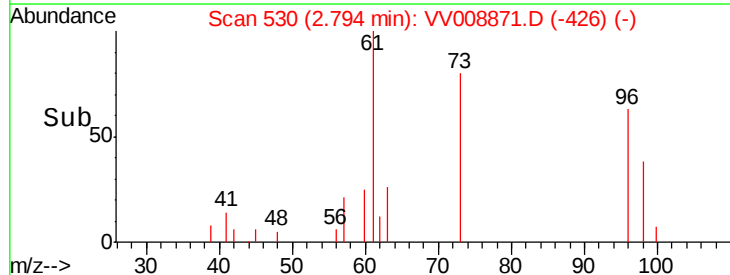
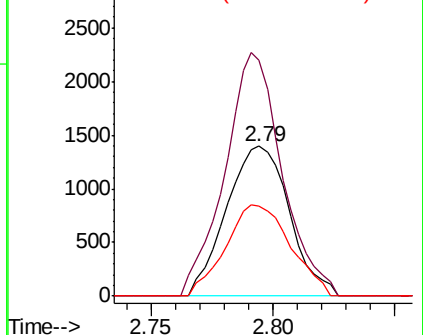


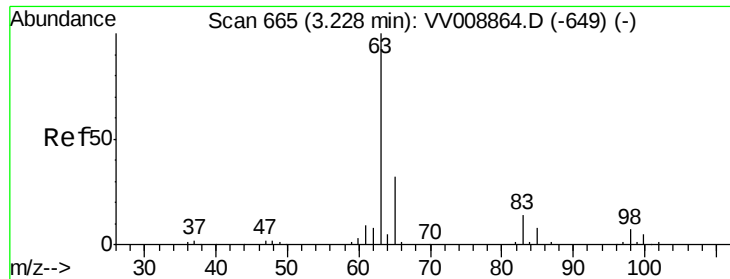
#18
trans-1,2-Dichloroethene
Concen: 0.907 ug/L
RT: 2.79 min Scan# 530
Delta R.T. 0.00 min
Lab File: VV008871.D
Acq: 06 Dec 2018 22:11

Tgt Ion: 96 Resp: 2511
Ion Ratio Lower Upper
96 100
61 157.9 94.6 175.8
98 60.4 45.3 84.1



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

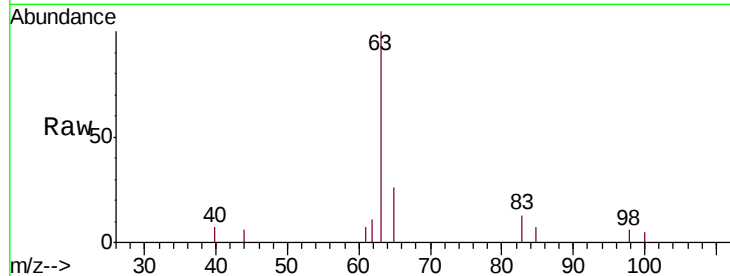




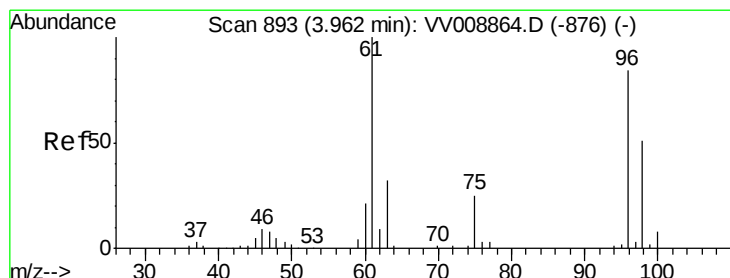
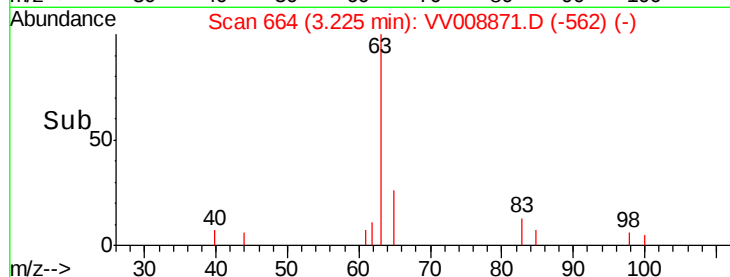
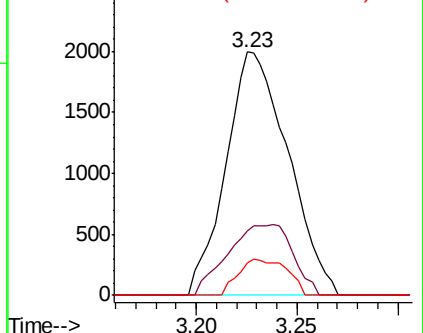
#19
 1,1-Dichloroethane
 Concen: 0.955 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. -0.00 min
 Lab File: VV008871.D
 Acq: 06 Dec 2018 22:11

Instrument :
 MSVOA_V
 ClientSampled :
 MDL06

Tgt Ion: 63 Resp: 4286
 Ion Ratio Lower Upper
 63 100
 65 26.2 22.7 42.1
 83 13.1 10.2 19.0

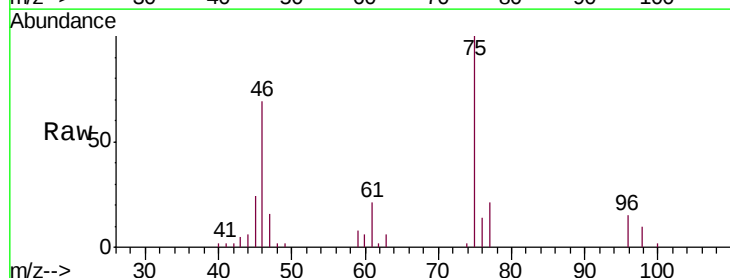


Abundance Ion 63.00 (62.70 to 63.70): VV0
 Ion 65.00 (64.70 to 65.70): VV0
 Ion 83.00 (82.70 to 83.70): VV0

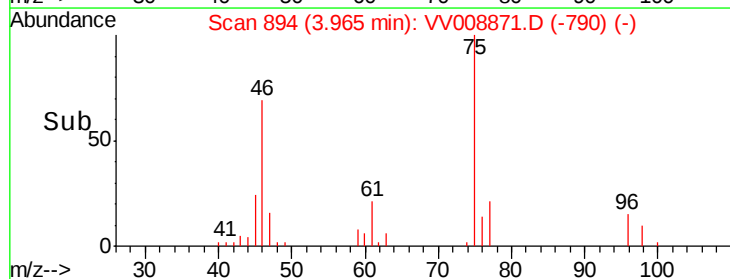
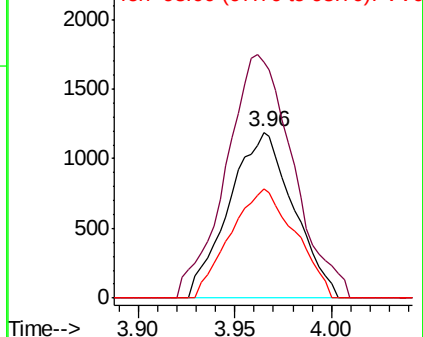


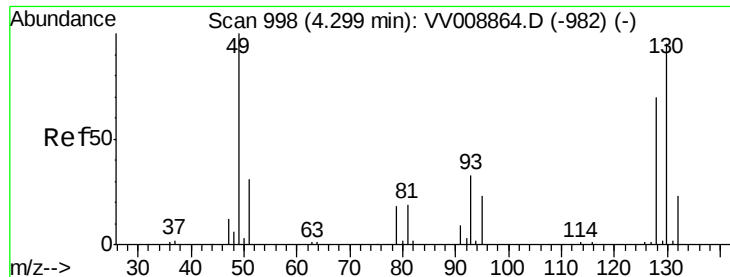
#22
 cis-1,2-Dichloroethene
 Concen: 0.958 ug/L
 RT: 3.96 min Scan# 894
 Delta R.T. 0.00 min
 Lab File: VV008871.D
 Acq: 06 Dec 2018 22:11

Tgt Ion: 96 Resp: 2764
 Ion Ratio Lower Upper
 96 100
 61 142.0 86.2 160.0
 98 65.8 45.6 84.6



Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.00 (60.70 to 61.70): VV0
 Ion 98.00 (97.70 to 98.70): VV0



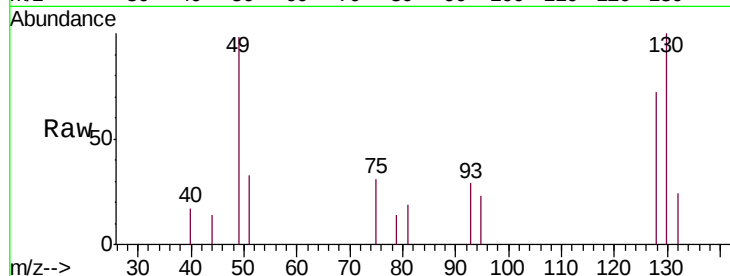


#23
 Bromochloromethane
 Concen: 0.935 ug/L
 RT: 4.31 min Scan# 1000
 Delta R.T. 0.01 min
 Lab File: VV008871.D
 Acq: 06 Dec 2018 22:11

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL06

Tgt Ion: 128 Resp: 1272

Ion	Ratio	Lower	Upper
128	100		
49	134.9	93.8	174.2
130	138.2	90.4	168.0
51	46.0	34.2	51.4

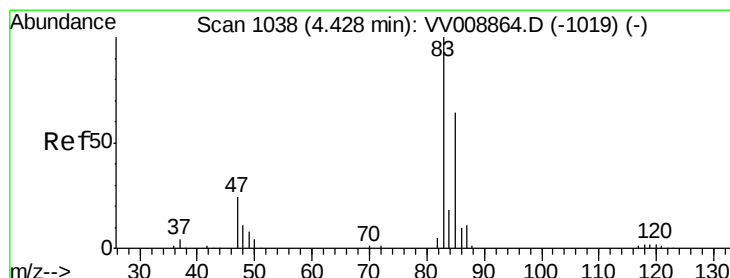
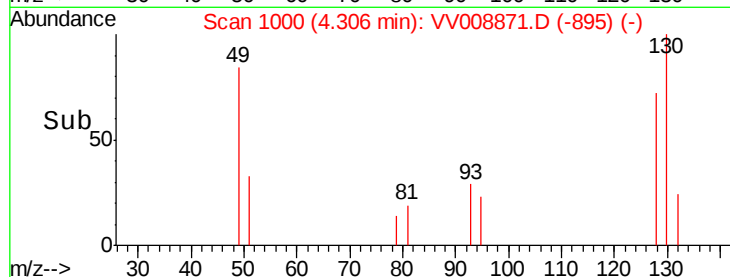
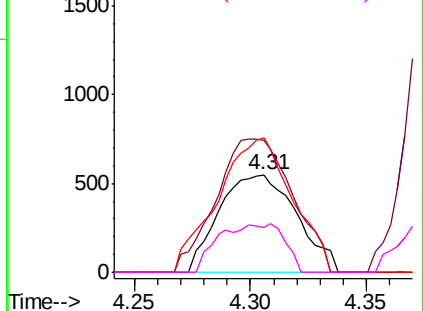


Abundance Ion 128.00 (127.70 to 128.70): VV008871.D (-995) (-)

Ion 49.00 (48.70 to 49.70): VV008871.D (-995) (-)

Ion 130.00 (129.70 to 130.70): VV008871.D (-995) (-)

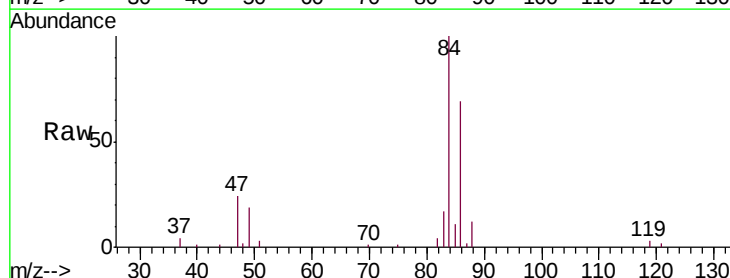
Ion 51.00 (50.70 to 51.70): VV008871.D (-995) (-)



#25
 Chloroform
 Concen: 1.392 ug/L
 RT: 4.42 min Scan# 1037
 Delta R.T. -0.00 min
 Lab File: VV008871.D
 Acq: 06 Dec 2018 22:11

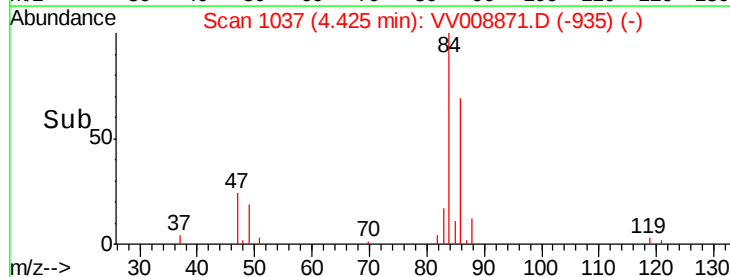
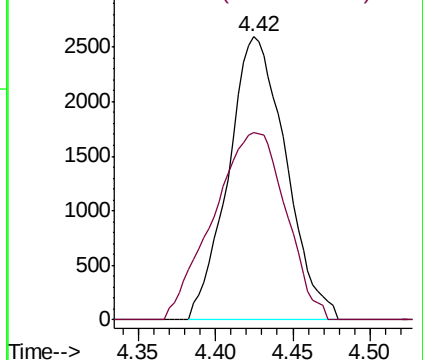
Tgt Ion: 83 Resp: 6702

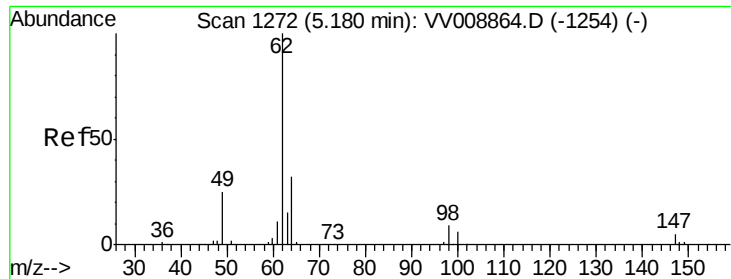
Ion	Ratio	Lower	Upper
83	100		
85	83.7	45.6	84.8



Abundance Ion 83.00 (82.70 to 83.70): VV008871.D (-935) (-)

Ion 85.00 (84.70 to 85.70): VV008871.D (-935) (-)

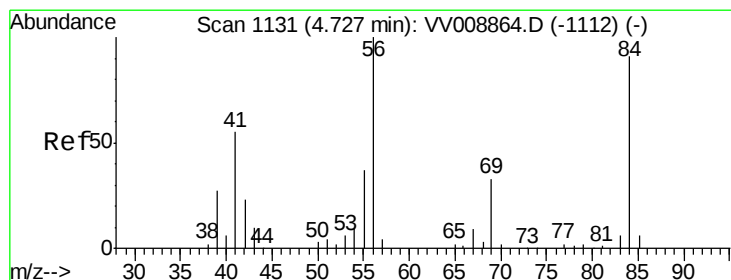
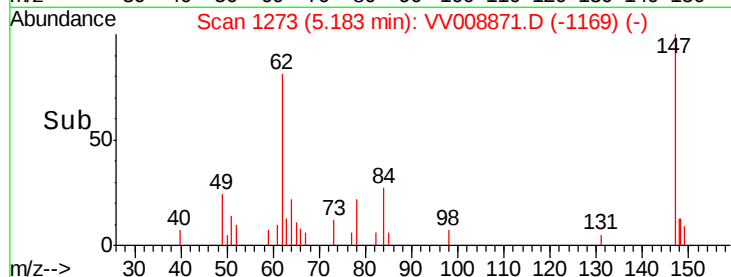
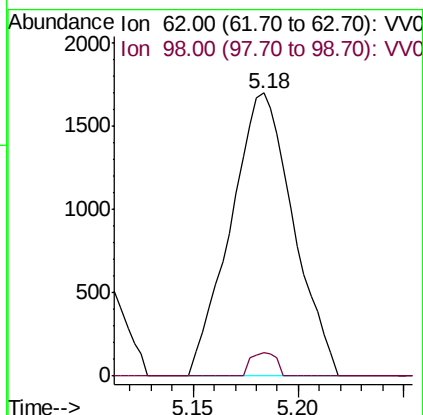
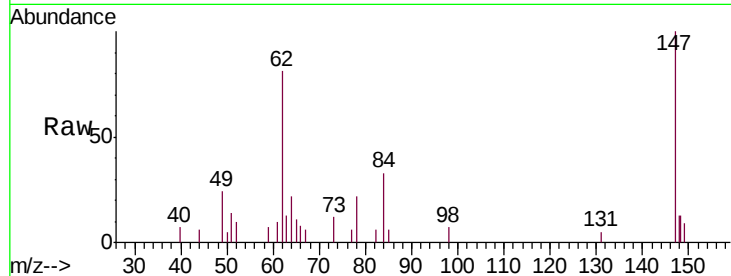




#27
 1,2-Dichloroethane
 Concen: 1.067 ug/L
 RT: 5.18 min Scan# 1273
 Delta R.T. 0.00 min
 Lab File: VV008871.D
 Acq: 06 Dec 2018 22:11

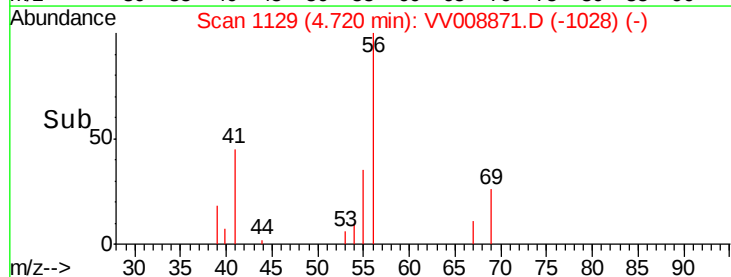
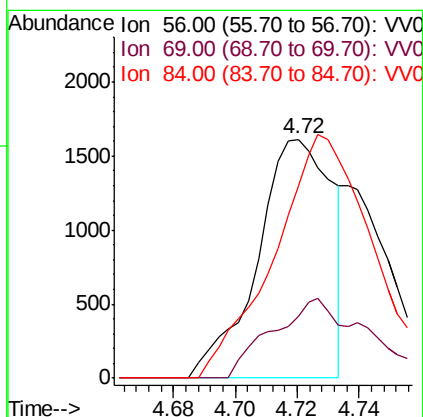
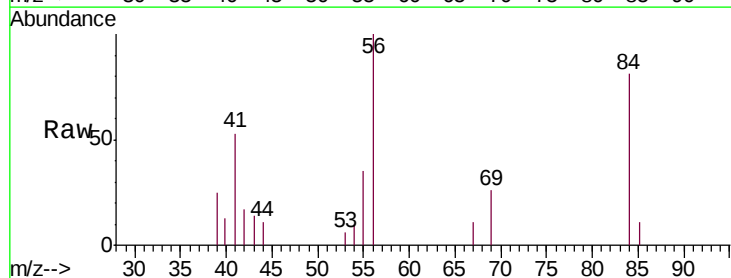
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL06

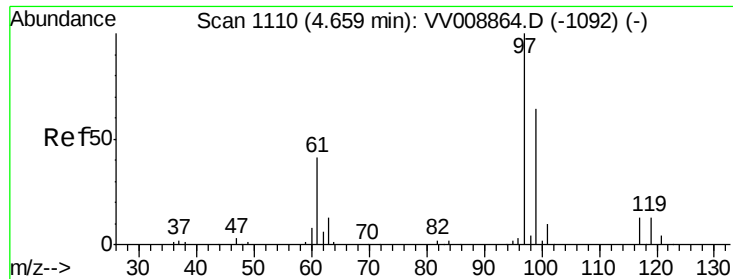
Tgt Ion: 62 Resp: 3499
 Ion Ratio Lower Upper
 62 100
 98 8.2 7.4 11.0



#30
 Cyclohexane
 Concen: 0.599 ug/L
 RT: 4.72 min Scan# 1129
 Delta R.T. -0.01 min
 Lab File: VV008871.D
 Acq: 06 Dec 2018 22:11

Tgt Ion: 56 Resp: 2714
 Ion Ratio Lower Upper
 56 100
 69 30.1 25.8 38.8
 84 133.5 73.0 109.6#

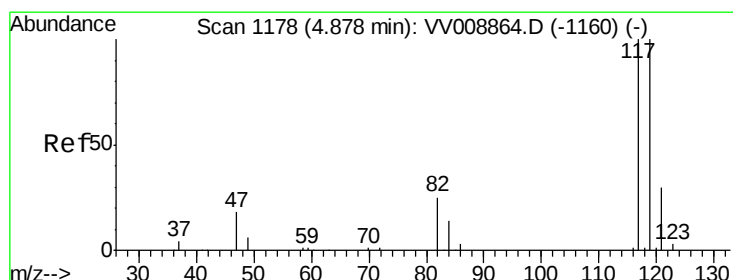
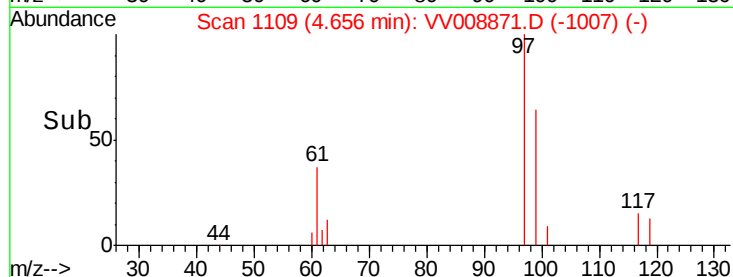
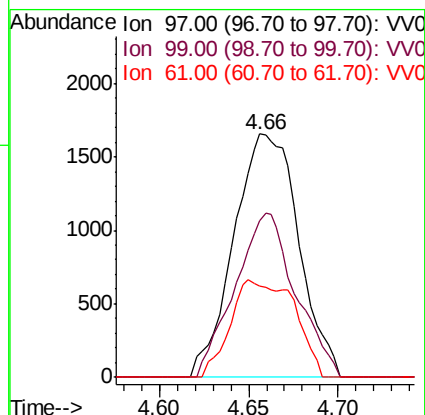
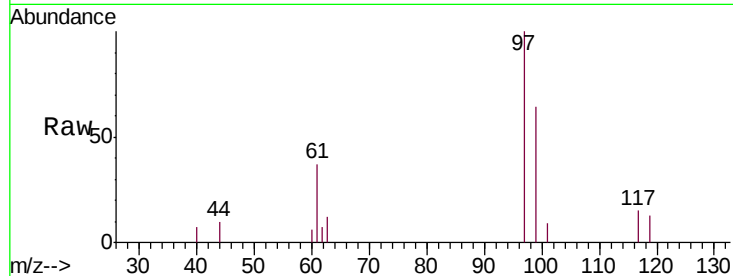




#31
 1,1,1-Trichloroethane
 Concen: 0.904 ug/L
 RT: 4.66 min Scan# 1109
 Delta R.T. -0.00 min
 Lab File: VV008871.D
 Acq: 06 Dec 2018 22:11

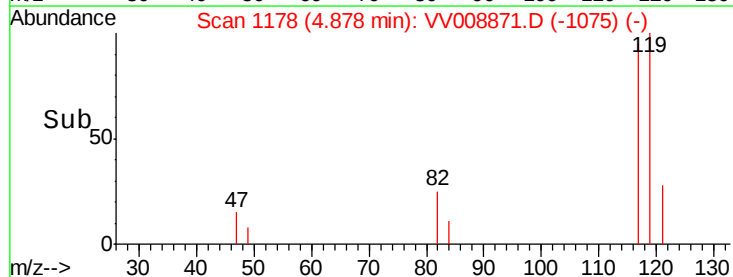
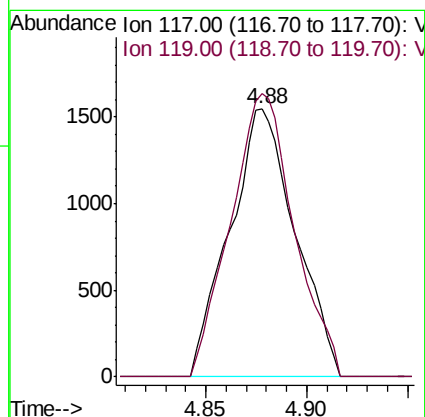
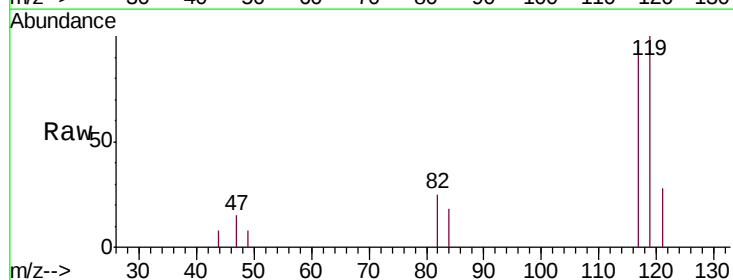
Instrument :
 MSVOA_V
 ClientSampled :
 MDL06

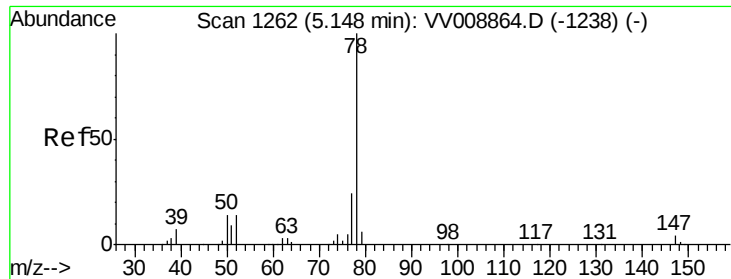
Tgt Ion: 97 Resp: 4195
 Ion Ratio Lower Upper
 97 100
 99 63.1 51.9 77.9
 61 27.1 33.1 49.7#



#32
 Carbon tetrachloride
 Concen: 0.825 ug/L
 RT: 4.88 min Scan# 1178
 Delta R.T. -0.00 min
 Lab File: VV008871.D
 Acq: 06 Dec 2018 22:11

Tgt Ion: 117 Resp: 3496
 Ion Ratio Lower Upper
 117 100
 119 102.6 77.1 115.7





#34

Benzene

Concen: 0.922 ug/L

RT: 5.15 min Scan# 1263

Delta R.T. 0.00 min

Lab File: VV008871.D

Acq: 06 Dec 2018 22:11

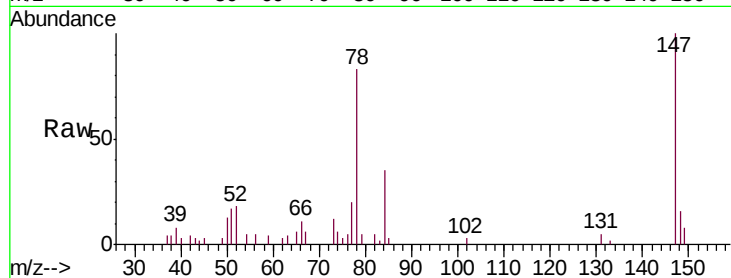
Instrument :

MSVOA_V

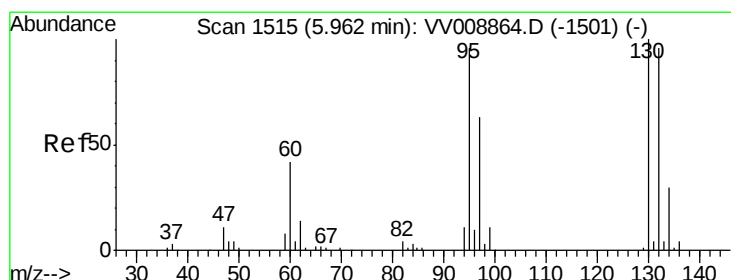
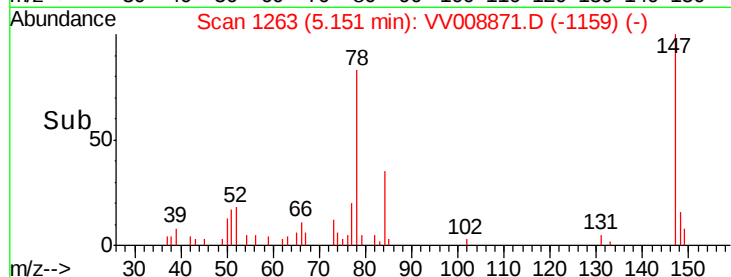
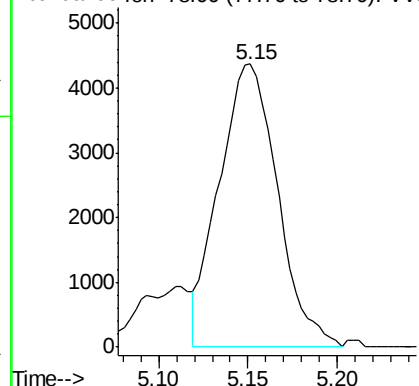
ClientSampleId :

MDL06

Tgt Ion: 78 Resp: 9944



Abundance Ion 78.00 (77.70 to 78.70): VV0



#35

Trichloroethene

Concen: 0.997 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. -0.00 min

Lab File: VV008871.D

Acq: 06 Dec 2018 22:11

Tgt Ion: 95 Resp: 3241

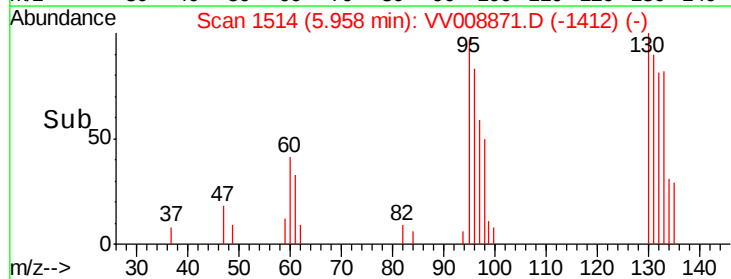
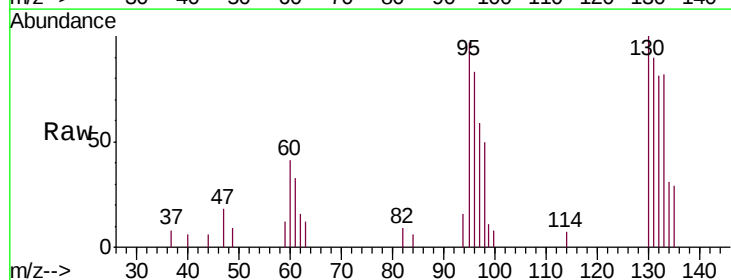
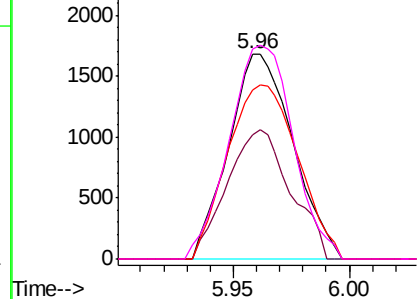
Ion	Ratio	Lower	Upper
95	100		
97	62.1	45.3	84.1
132	92.8	70.0	130.0
130	104.0	73.4	136.4

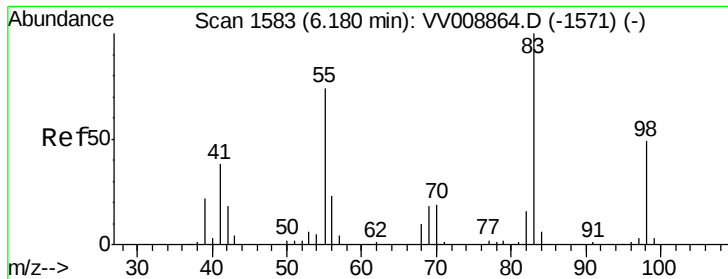
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0

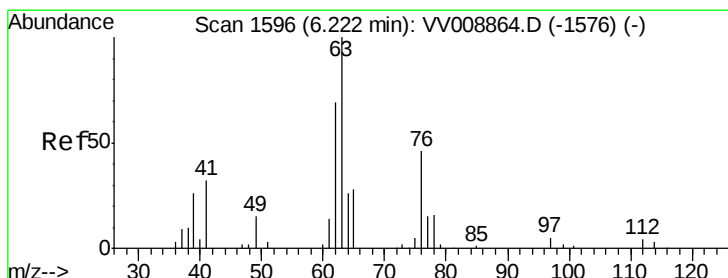
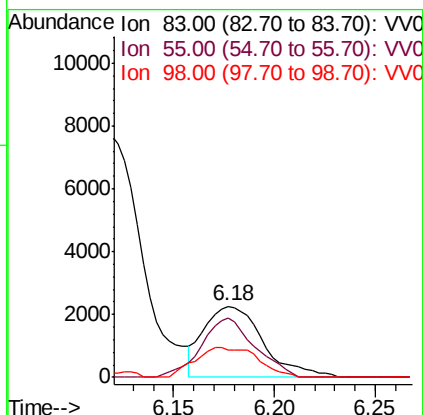
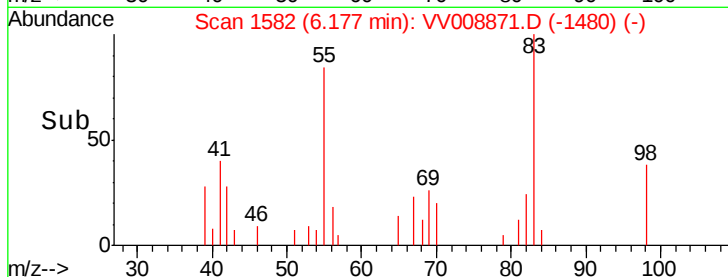
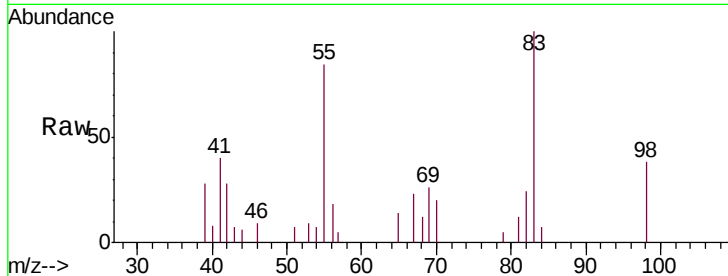




#36
Methylcyclohexane
Concen: 0.893 ug/L
RT: 6.18 min Scan# 1582
Delta R.T. -0.00 min
Lab File: VV008871.D
Acq: 06 Dec 2018 22:11

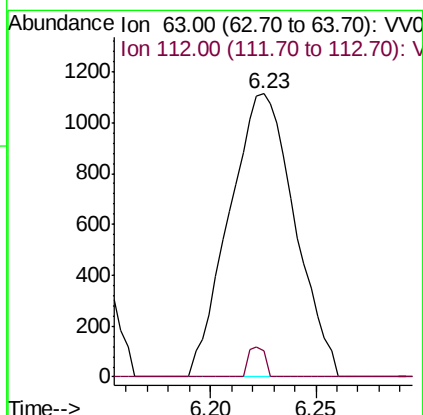
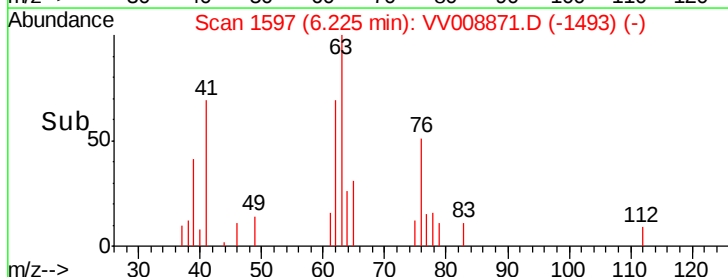
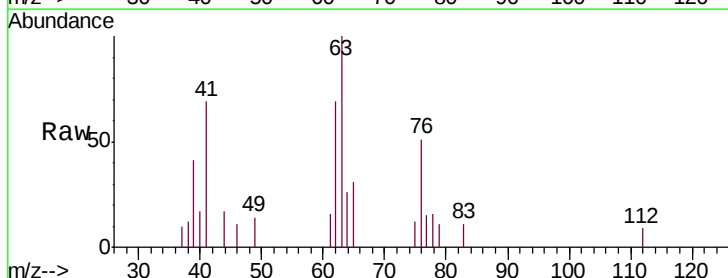
Instrument :
MSVOA_V
ClientSampled :
MDL06

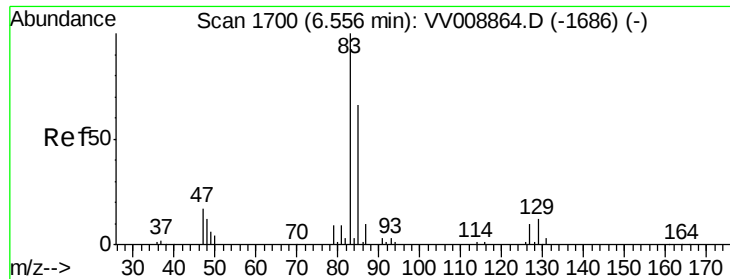
Tgt Ion: 83 Resp: 4628
Ion Ratio Lower Upper
83 100
55 75.0 58.2 87.2
98 27.5 37.8 56.8#



#40
1,2-Dichloropropane
Concen: 0.927 ug/L
RT: 6.23 min Scan# 1597
Delta R.T. 0.00 min
Lab File: VV008871.D
Acq: 06 Dec 2018 22:11

Tgt Ion: 63 Resp: 2399
Ion Ratio Lower Upper
63 100
112 2.6 3.8 5.8#

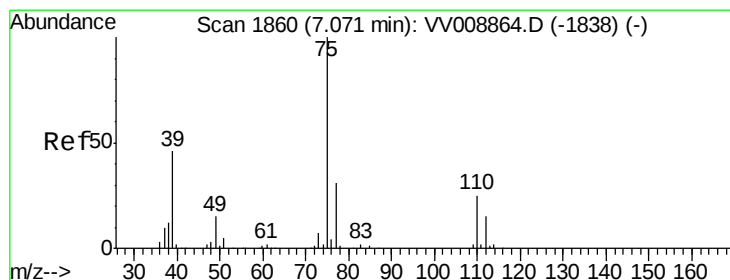
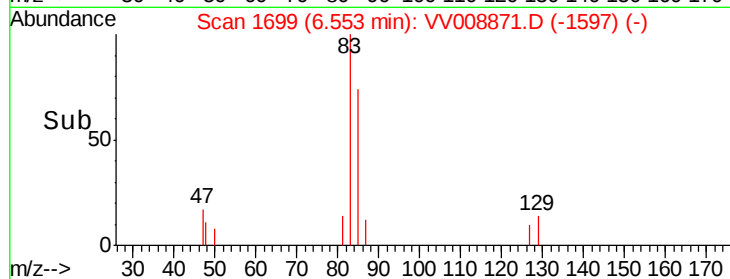
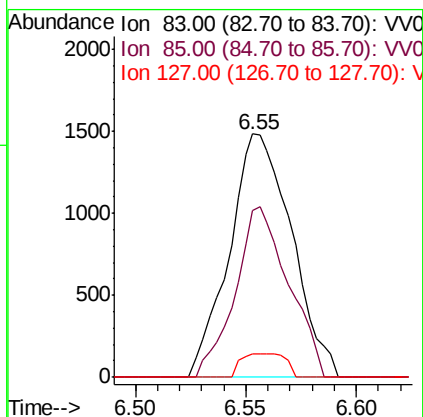
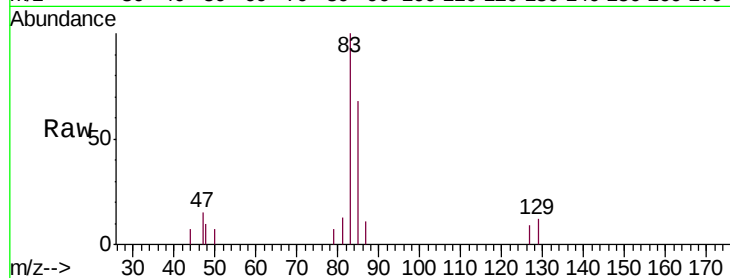




#41
Bromodichloromethane
Concen: 0.853 ug/L
RT: 6.55 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VV008871.D
Acq: 06 Dec 2018 22:11

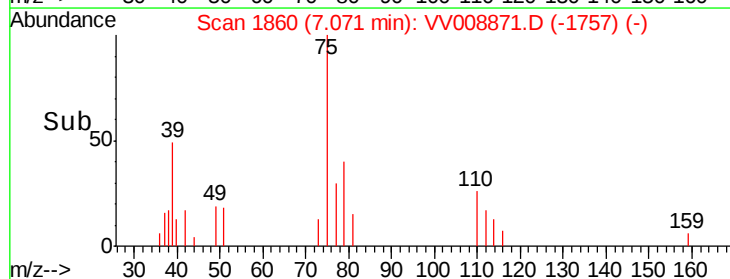
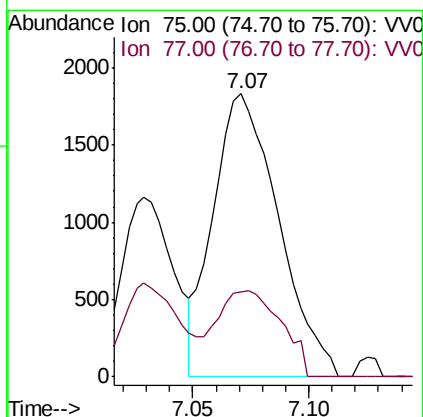
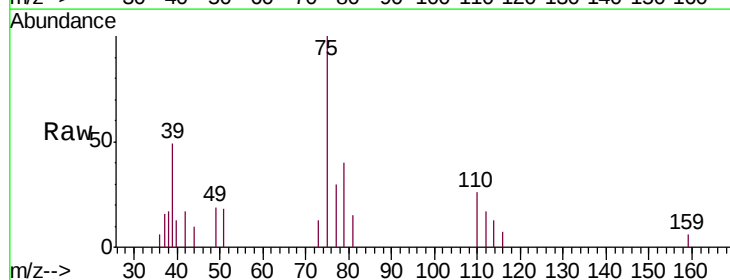
Instrument :
MSVOA_V
ClientSampleId :
MDL06

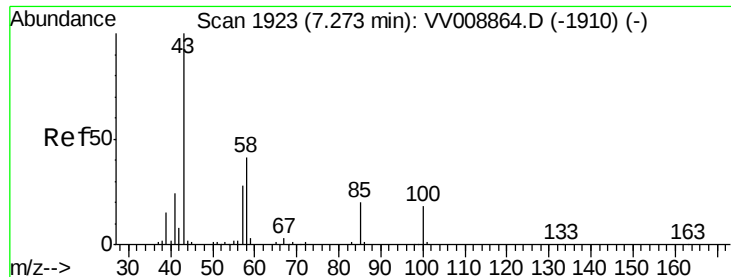
Tgt Ion: 83 Resp: 2908
Ion Ratio Lower Upper
83 100
85 68.4 45.3 84.1
127 9.4 7.2 10.8



#42
cis-1,3-Dichloropropene
Concen: 0.947 ug/L
RT: 7.07 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VV008871.D
Acq: 06 Dec 2018 22:11

Tgt Ion: 75 Resp: 3588
Ion Ratio Lower Upper
75 100
77 30.1 21.3 39.6

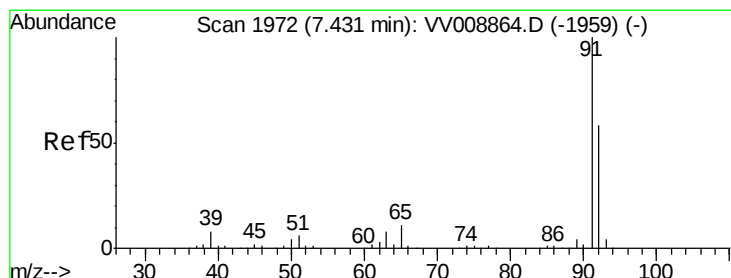
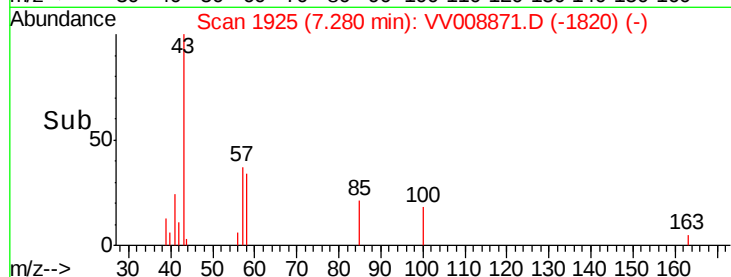
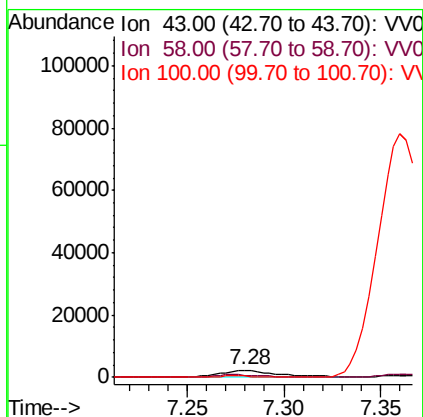
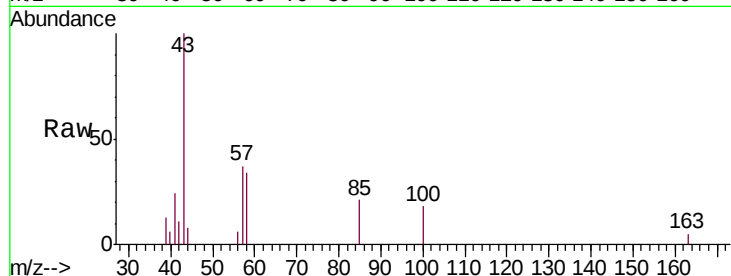




#43
4-Methyl-2-pentanone
Concen: 2.577 ug/L
RT: 7.28 min Scan# 1925
Delta R.T. 0.01 min
Lab File: VV008871.D
Acq: 06 Dec 2018 22:11

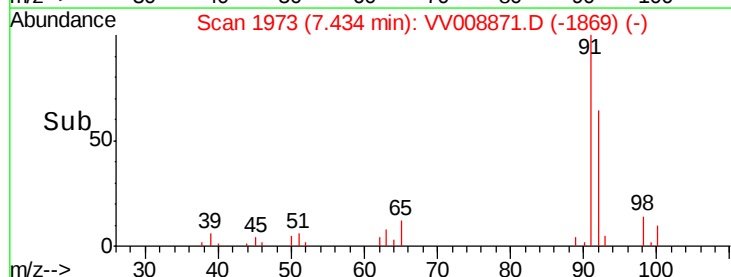
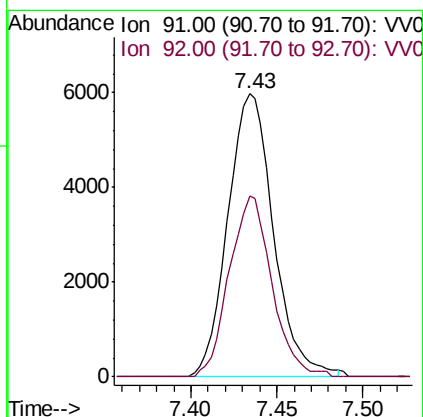
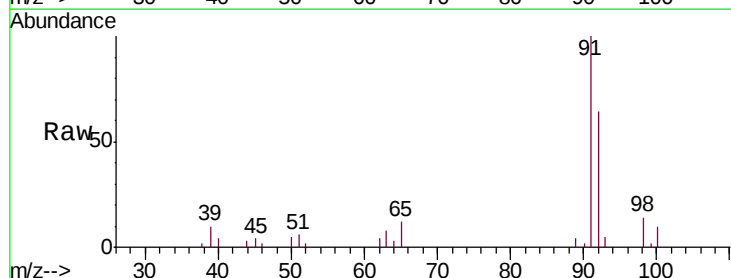
Instrument :
MSVOA_V
ClientSampled :
MDL06

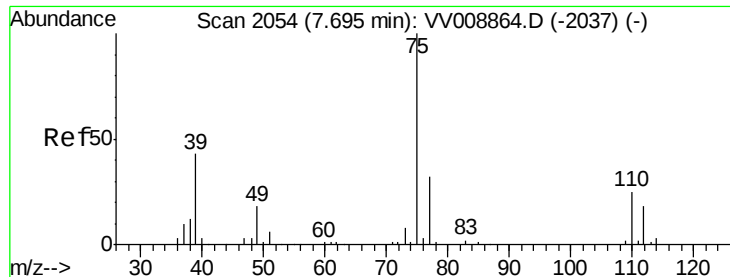
Tgt Ion: 43 Resp: 4508
Ion Ratio Lower Upper
43 100
58 33.0 32.2 48.4
100 15.0 13.8 20.8



#44
Toluene
Concen: 0.976 ug/L
RT: 7.43 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VV008871.D
Acq: 06 Dec 2018 22:11

Tgt Ion: 91 Resp: 11039
Ion Ratio Lower Upper
91 100
92 63.9 41.7 77.5

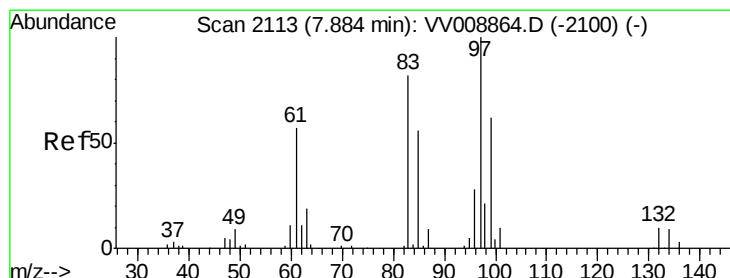
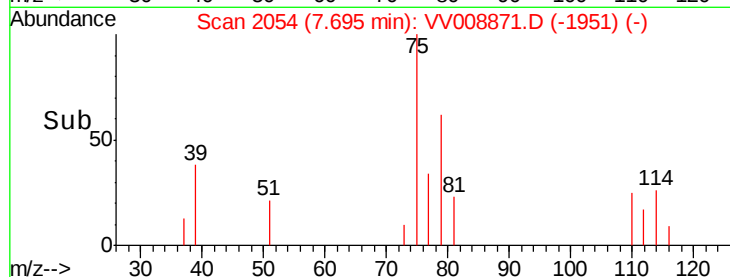
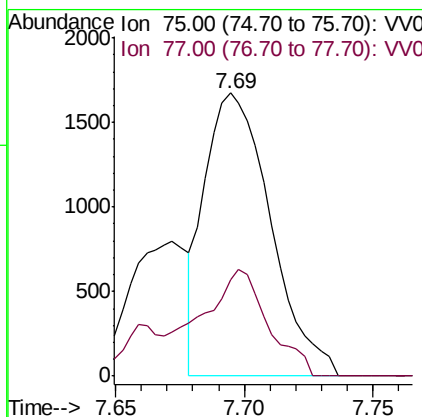
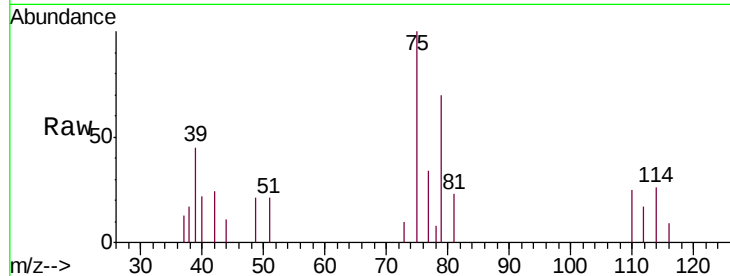




#45
trans-1,3-Dichloropropene
Concen: 0.900 ug/L
RT: 7.69 min Scan# 2054
Delta R.T. -0.00 min
Lab File: VV008871.D
Acq: 06 Dec 2018 22:11

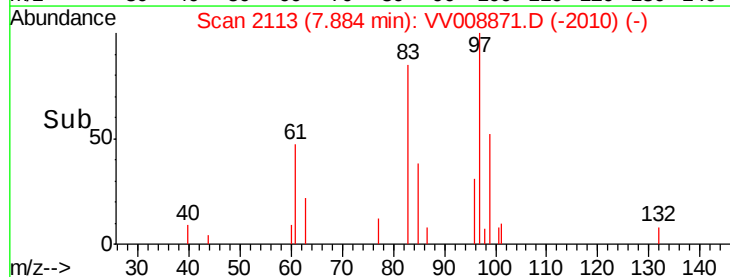
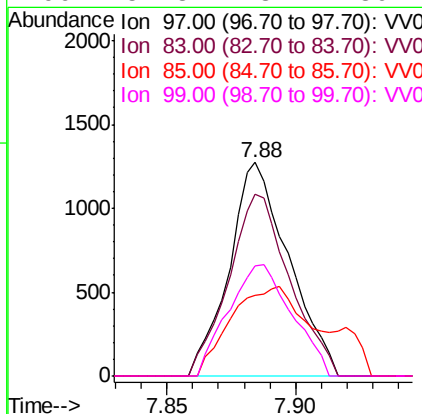
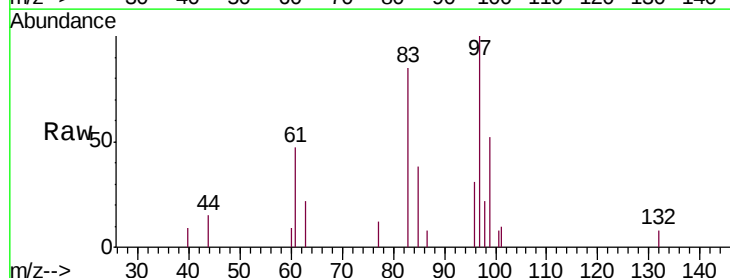
Instrument :
MSVOA_V
ClientSampleId :
MDL06

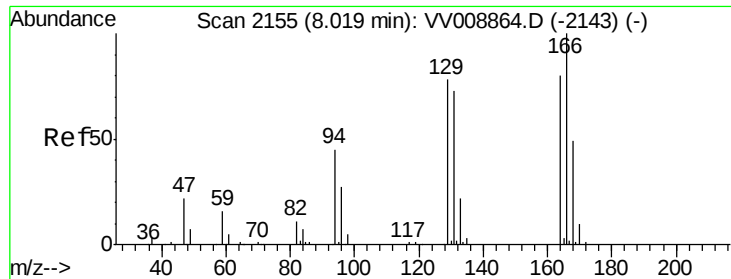
Tgt Ion: 75 Resp: 2972
Ion Ratio Lower Upper
75 100
77 34.1 23.6 43.8



#46
1,1,2-Trichloroethane
Concen: 0.951 ug/L
RT: 7.88 min Scan# 2113
Delta R.T. -0.00 min
Lab File: VV008871.D
Acq: 06 Dec 2018 22:11

Tgt Ion: 97 Resp: 2051
Ion Ratio Lower Upper
97 100
83 85.4 56.6 105.2
85 37.6 36.6 68.0
99 51.8 43.2 80.2





#47

Tetrachloroethene

Concen: 0.948 ug/L

RT: 8.02 min Scan# 2156

Delta R.T. 0.00 min

Lab File: VV008871.D

Acq: 06 Dec 2018 22:11

Instrument :

MSVOA_V

ClientSampleId :

MDL06

Tgt Ion:164 Resp: 2505

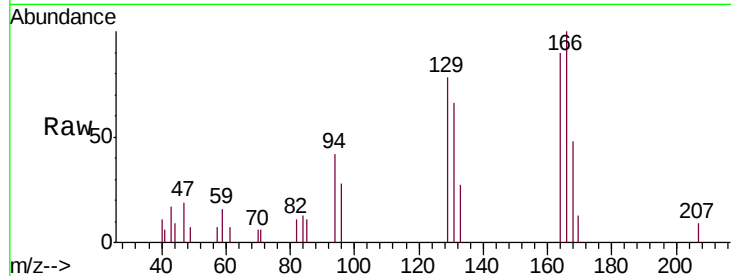
Ion Ratio Lower Upper

164 100

129 87.3 64.6 120.0

131 74.1 64.5 119.7

166 111.5 88.7 164.7

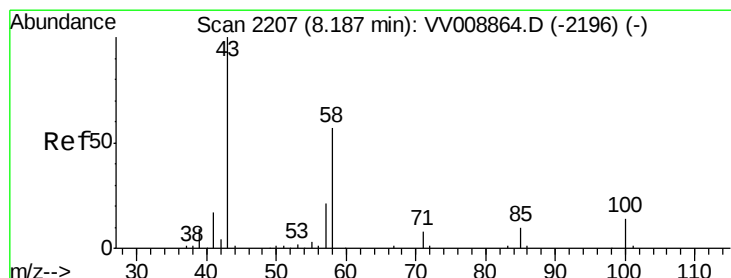
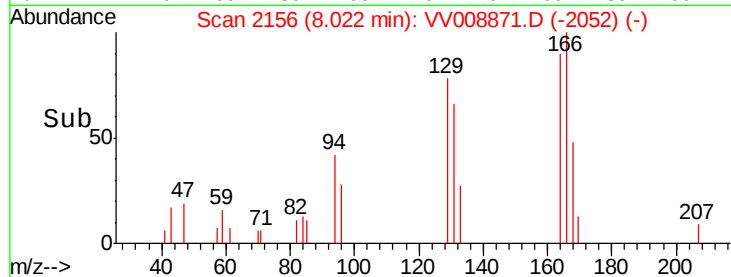
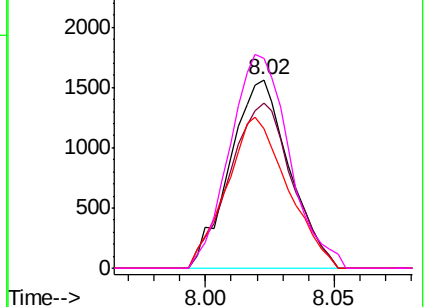


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#49

2-Hexanone

Concen: 2.654 ug/L

RT: 8.19 min Scan# 2207

Delta R.T. -0.00 min

Lab File: VV008871.D

Acq: 06 Dec 2018 22:11

Tgt Ion: 43 Resp: 3840

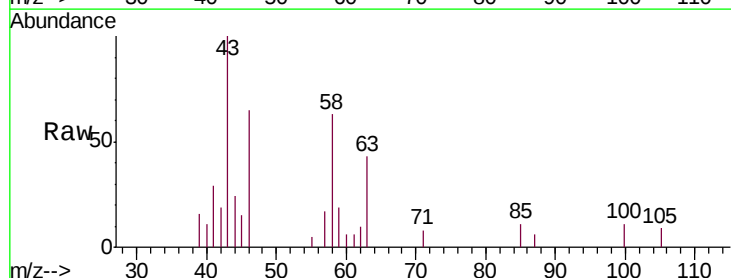
Ion Ratio Lower Upper

43 100

58 44.5 43.9 65.9

57 5.0 15.7 23.5#

100 9.7 11.0 16.4#

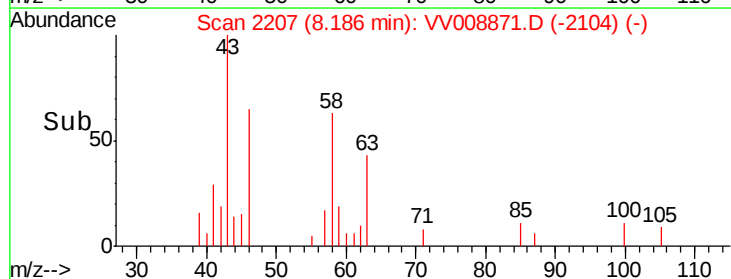
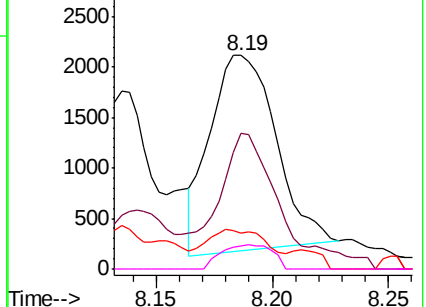


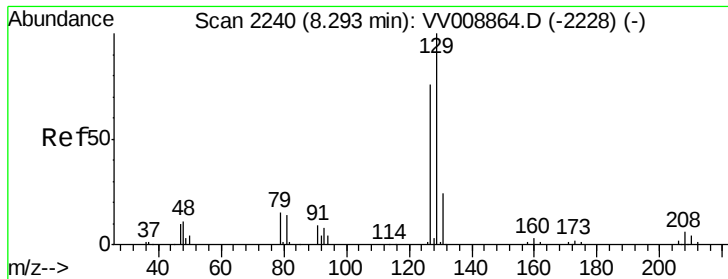
Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

Ion 100.00 (99.70 to 100.70): VV0





#50

Dibromochloromethane

Concen: 0.819 ug/L

RT: 8.29 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VV008871.D

Acq: 06 Dec 2018 22:11

Instrument :

MSVOA_V

ClientSampleId :

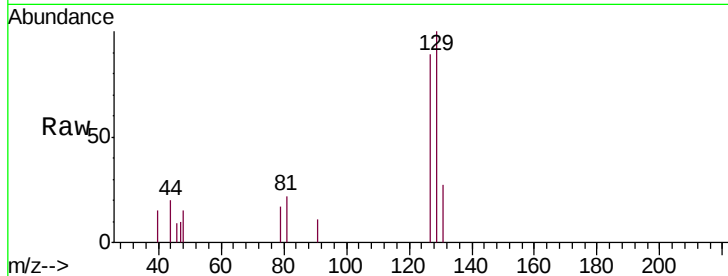
MDL06

Tgt Ion:129 Resp: 2024

Ion Ratio Lower Upper

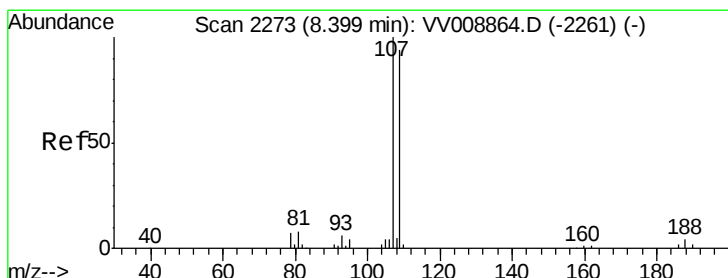
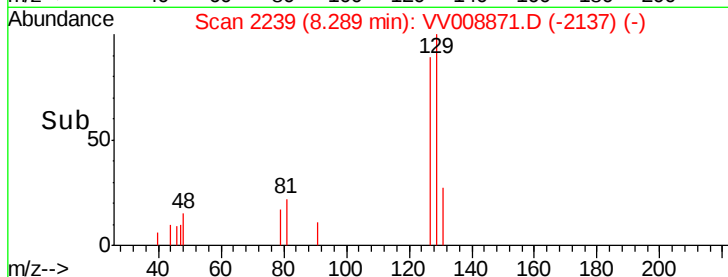
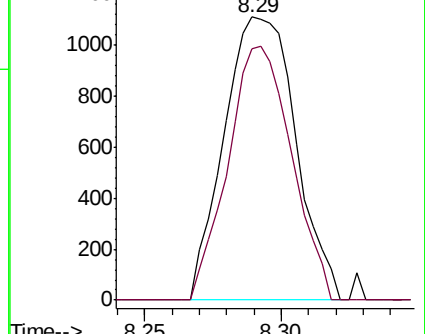
129 100

127 88.7 53.5 99.3



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#51

1,2-Dibromoethane

Concen: 0.924 ug/L

RT: 8.40 min Scan# 2274

Delta R.T. 0.00 min

Lab File: VV008871.D

Acq: 06 Dec 2018 22:11

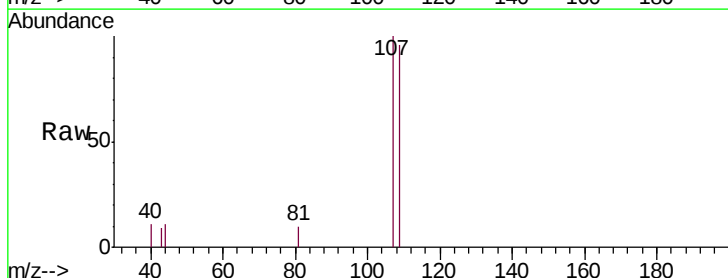
Tgt Ion:107 Resp: 2001

Ion Ratio Lower Upper

107 100

109 95.6 65.8 122.2

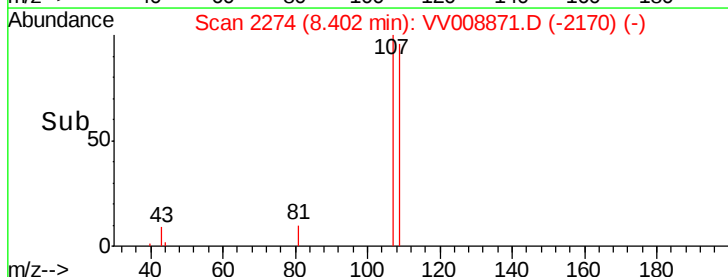
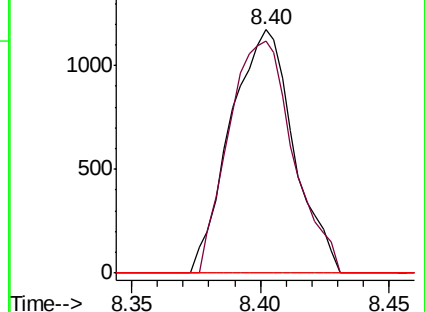
188 0.0 3.0 4.6#

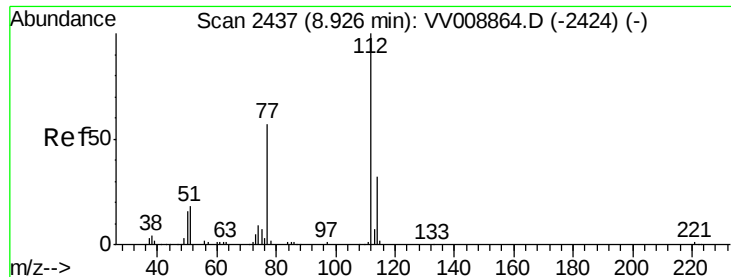


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V





#52

Chlorobenzene

Concen: 0.944 ug/L

RT: 8.93 min Scan# 2437

Delta R.T. -0.00 min

Lab File: VV008871.D

Acq: 06 Dec 2018 22:11

Instrument :

MSVOA_V

ClientSampled :

MDL06

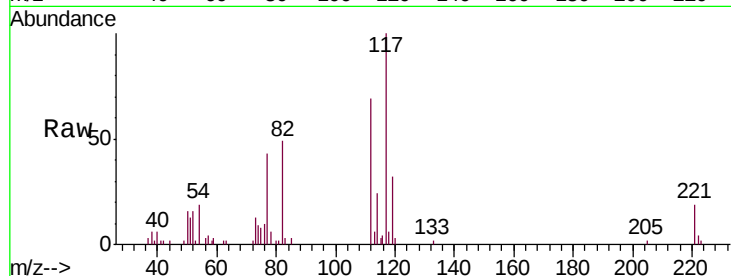
Tgt Ion: 112 Resp: 6947

Ion Ratio Lower Upper

112 100

77 62.4 44.6 66.8

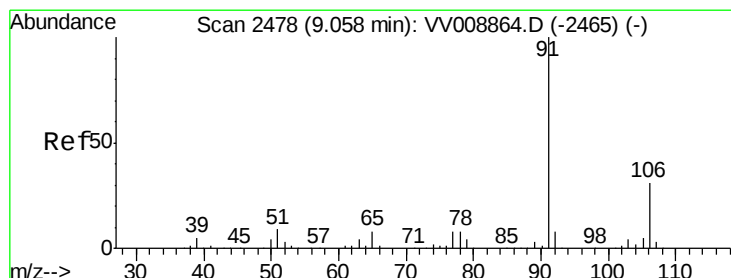
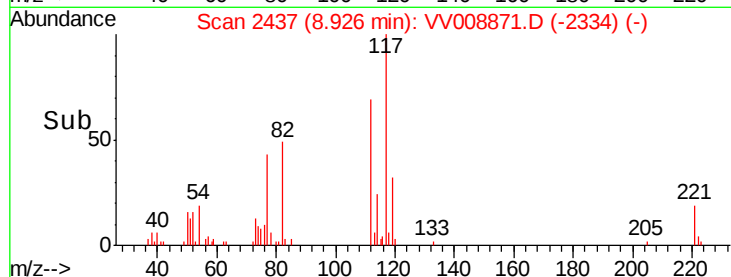
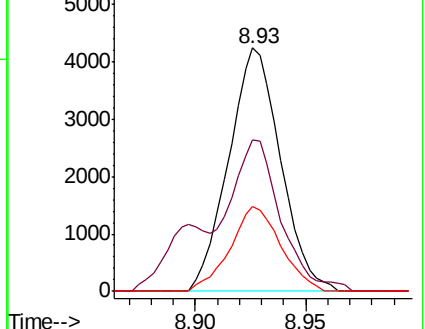
114 34.8 22.6 42.0



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): VV0

Ion 114.00 (113.70 to 114.70): V



#53

Ethylbenzene

Concen: 0.833 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. -0.00 min

Lab File: VV008871.D

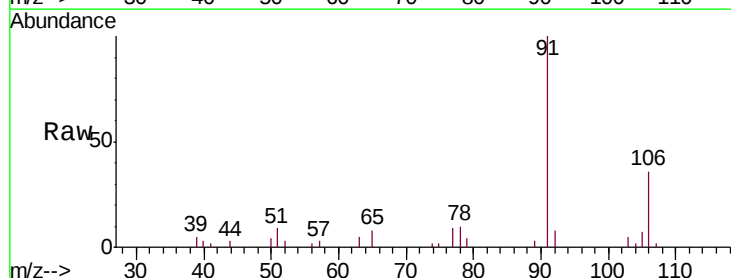
Acq: 06 Dec 2018 22:11

Tgt Ion: 91 Resp: 10218

Ion Ratio Lower Upper

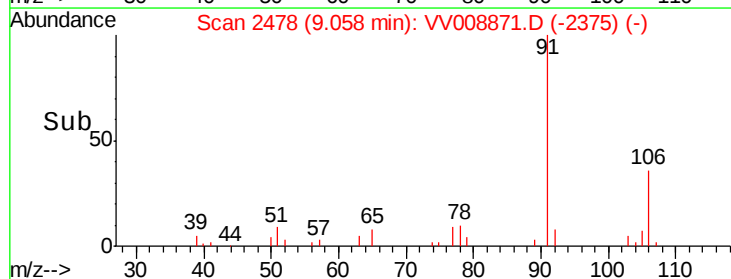
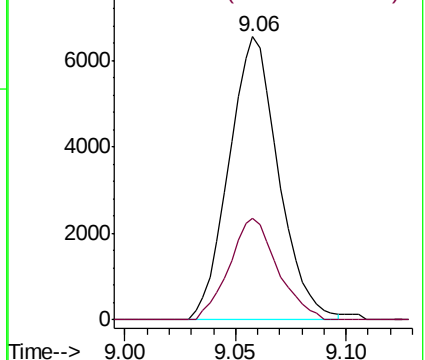
91 100

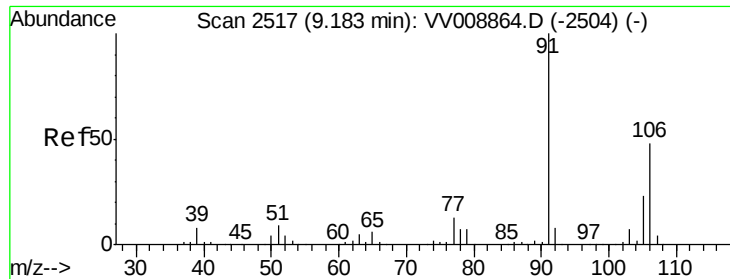
106 35.9 21.3 39.5



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 106.00 (105.70 to 106.70): V





#54

m,p-Xylene

Concen: 0.805 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. -0.00 min

Lab File: VV008871.D

Acq: 06 Dec 2018 22:11

Instrument :

MSVOA_V

ClientSampled :

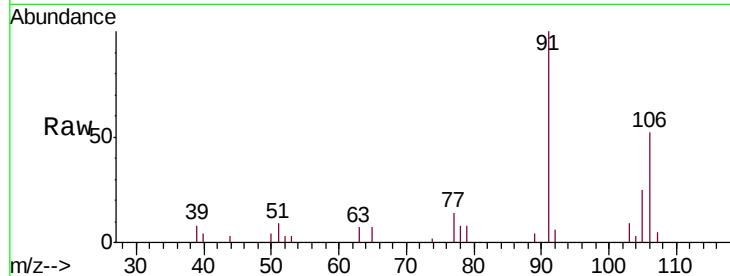
MDL06

Tgt Ion:106 Resp: 3740

Ion Ratio Lower Upper

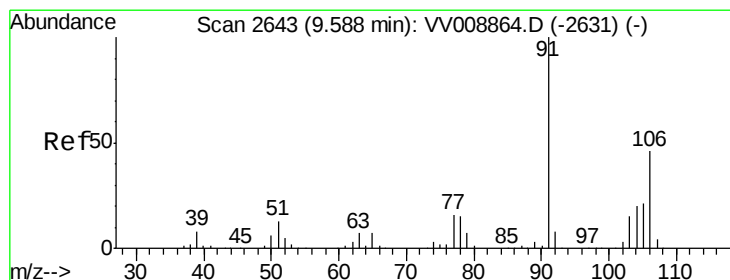
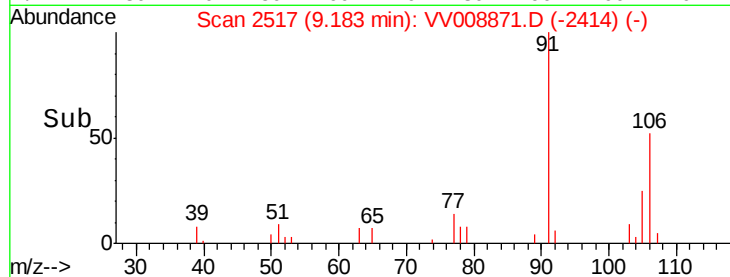
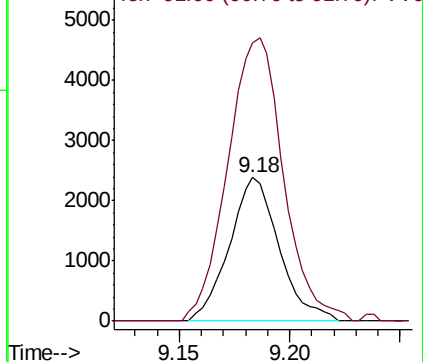
106 100

91 194.0 141.3 262.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

o-xylene

Concen: 0.891 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. -0.00 min

Lab File: VV008871.D

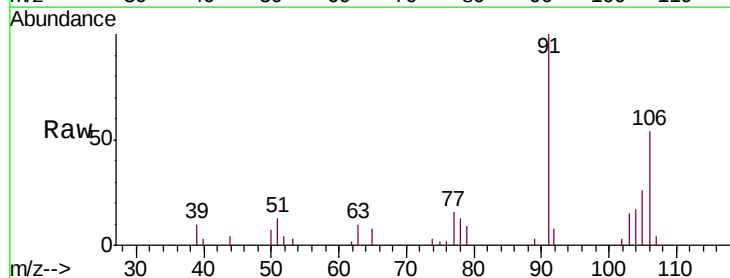
Acq: 06 Dec 2018 22:11

Tgt Ion:106 Resp: 3843

Ion Ratio Lower Upper

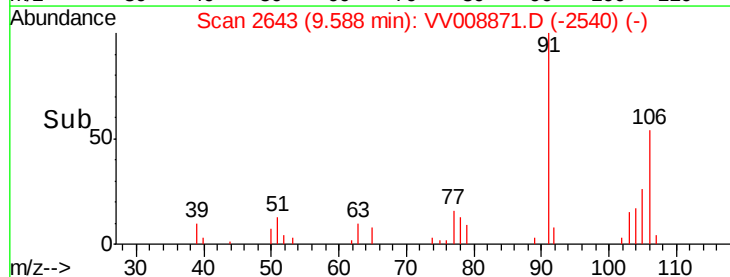
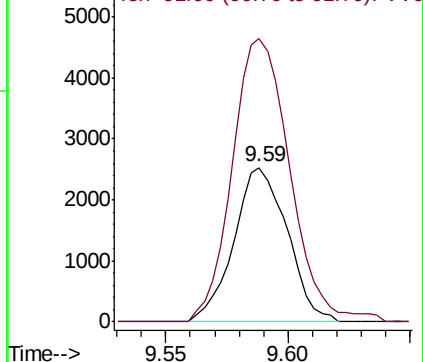
106 100

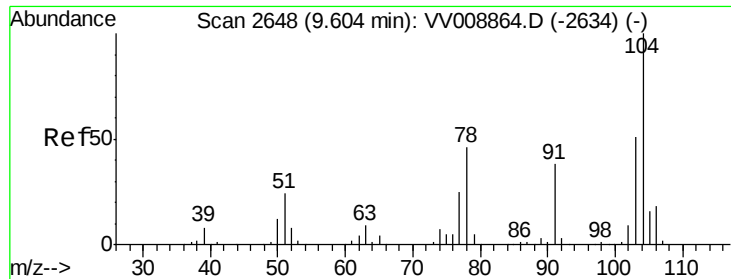
91 183.5 148.3 275.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0

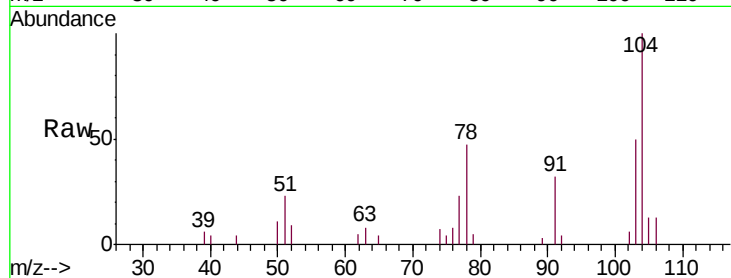




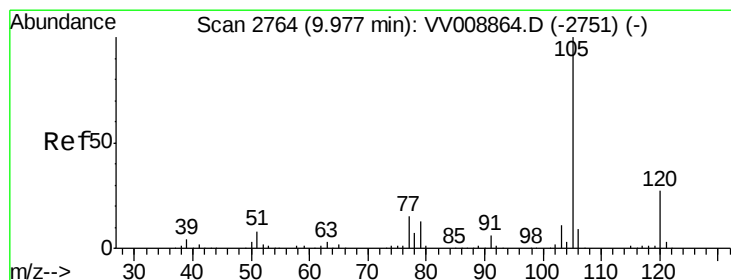
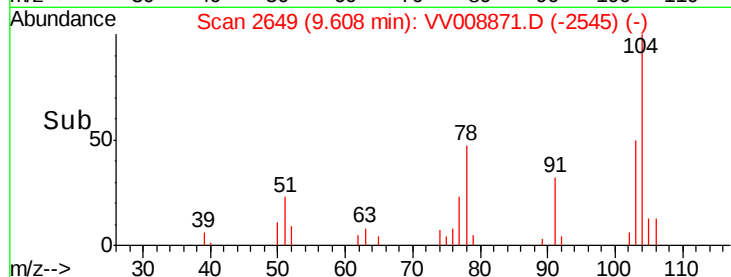
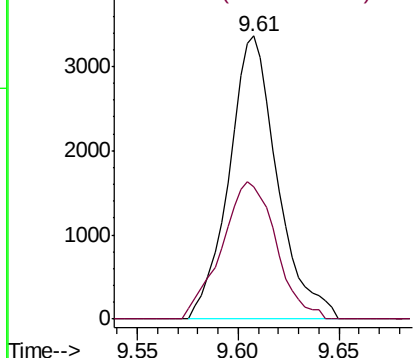
#56
Styrene
Concen: 0.807 ug/L
RT: 9.61 min Scan# 2649
Delta R.T. 0.00 min
Lab File: VV008871.D
Acq: 06 Dec 2018 22:11

Instrument :
MSVOA_V
ClientSampleId :
MDL06

Tgt Ion:104 Resp: 5617
Ion Ratio Lower Upper
104 100
78 46.7 30.6 56.8

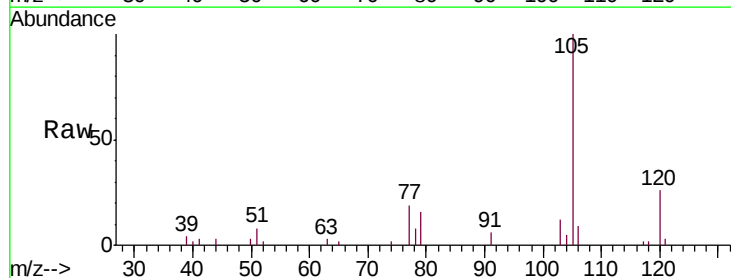


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VV0

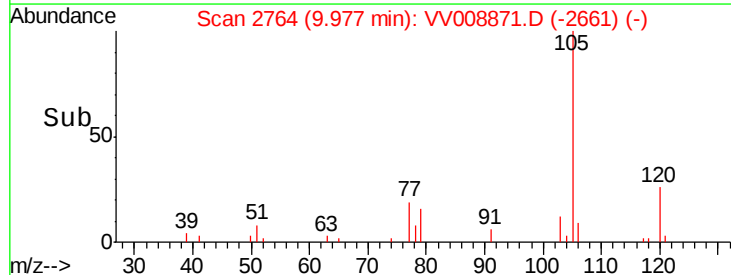
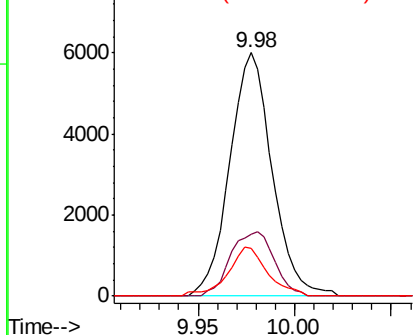


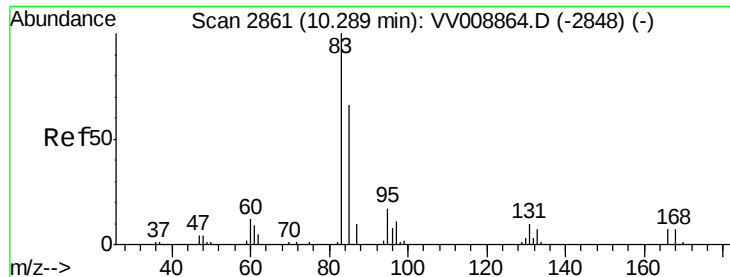
#57
Isopropylbenzene
Concen: 0.780 ug/L
RT: 9.98 min Scan# 2764
Delta R.T. -0.00 min
Lab File: VV008871.D
Acq: 06 Dec 2018 22:11

Tgt Ion:105 Resp: 9145
Ion Ratio Lower Upper
105 100
120 27.2 21.7 32.5
77 18.0 12.4 18.6



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V
Ion 77.00 (76.70 to 77.70): VV0





#58

1,1,2,2-Tetrachloroethane

Concen: 1.155 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. -0.00 min

Lab File: VV008871.D

Acq: 06 Dec 2018 22:11

Instrument :

MSVOA_V

ClientSampleId :

MDL06

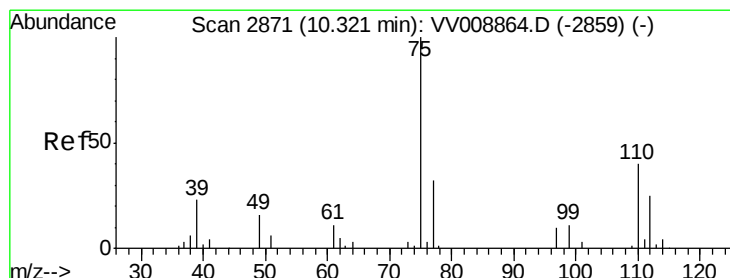
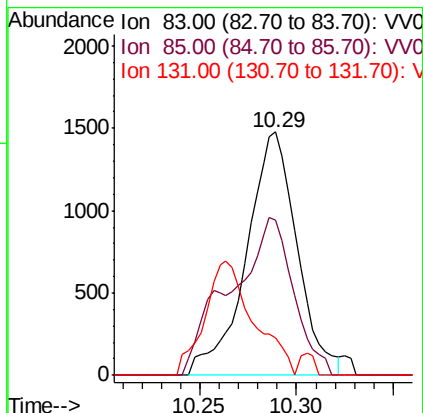
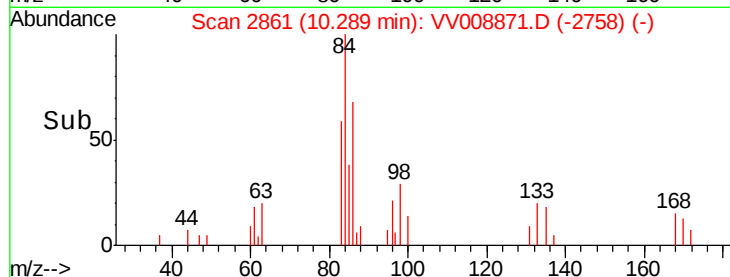
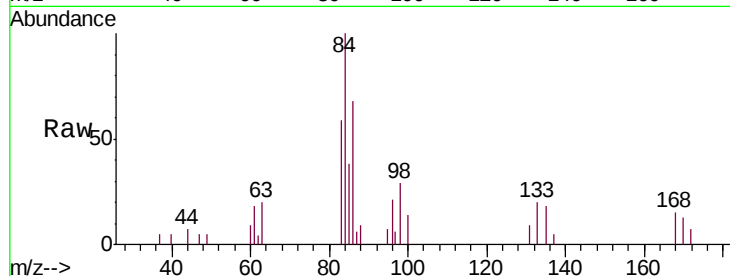
Tgt Ion: 83 Resp: 2693

Ion Ratio Lower Upper

83 100

85 63.9 44.3 82.3

131 15.7 7.8 11.8#



#59

1,2,3-Trichloropropane

Concen: 1.045 ug/L

RT: 10.32 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VV008871.D

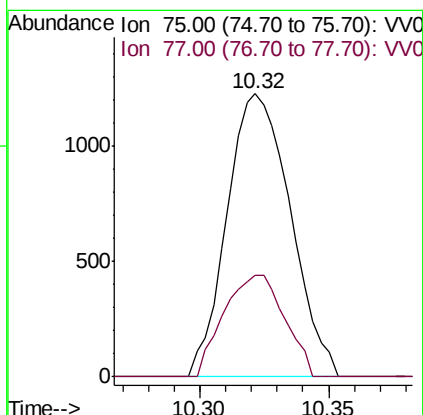
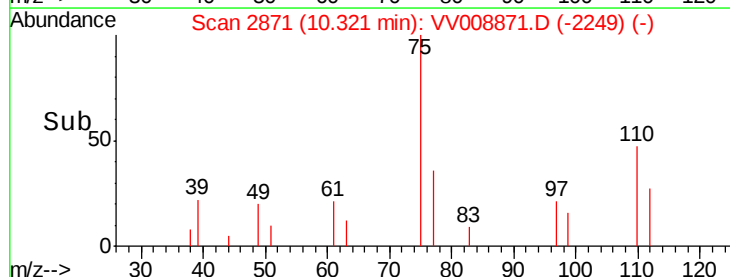
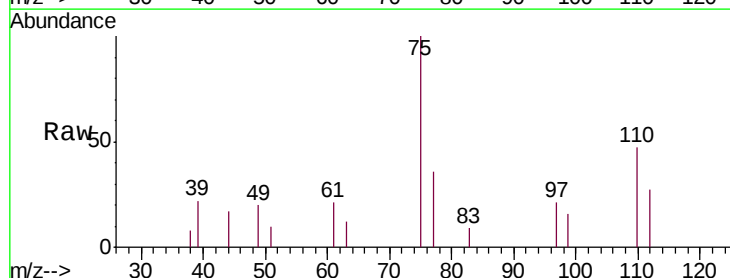
Acq: 06 Dec 2018 22:11

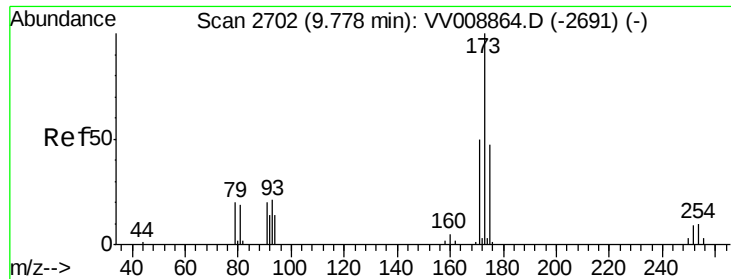
Tgt Ion: 75 Resp: 2107

Ion Ratio Lower Upper

75 100

77 34.4 25.6 38.4





#62

Bromoform

Concen: 0.853 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. -0.00 min

Lab File: VV008871.D

Acq: 06 Dec 2018 22:11

Instrument :

MSVOA_V

ClientSampleId :

MDL06

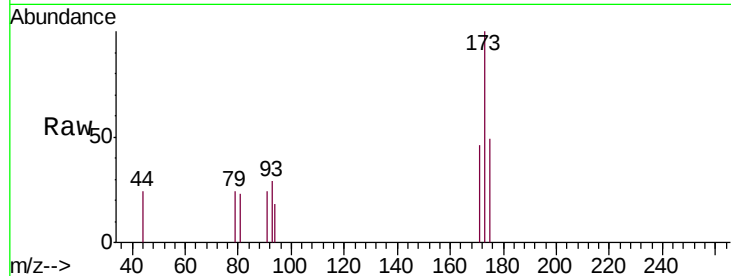
Tgt Ion:173 Resp: 1131

Ion Ratio Lower Upper

173 100

175 46.9 37.7 56.5

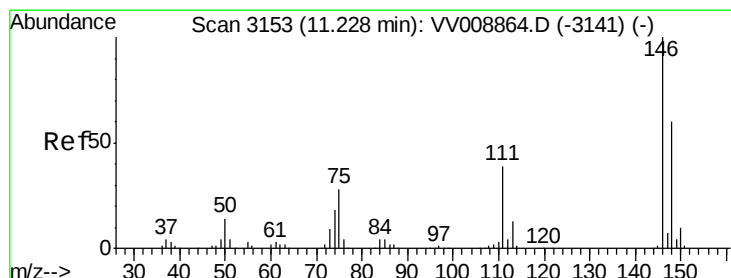
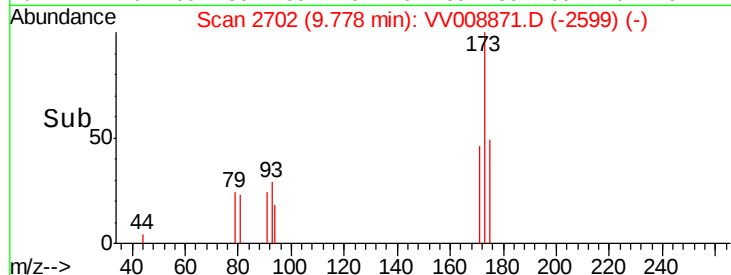
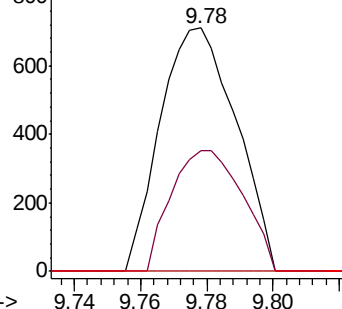
254 0.0 7.1 10.7#



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#63

1,3-Dichlorobenzene

Concen: 0.990 ug/L

RT: 11.23 min Scan# 3153

Delta R.T. -0.00 min

Lab File: VV008871.D

Acq: 06 Dec 2018 22:11

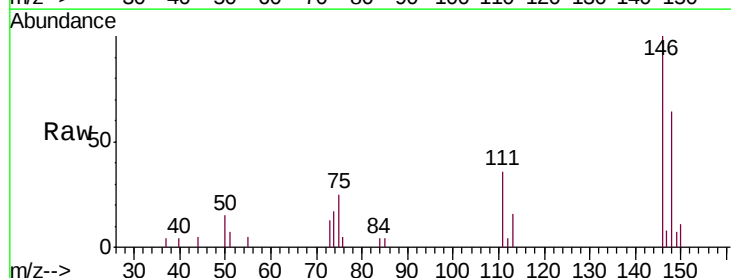
Tgt Ion:146 Resp: 4687

Ion Ratio Lower Upper

146 100

111 35.8 27.5 51.1

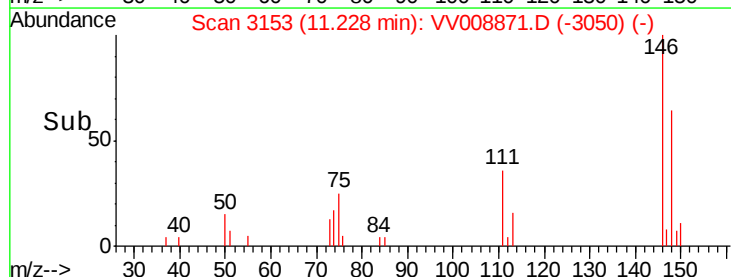
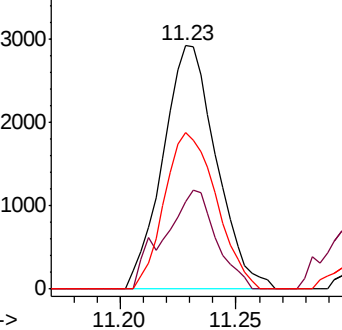
148 64.1 44.0 81.8

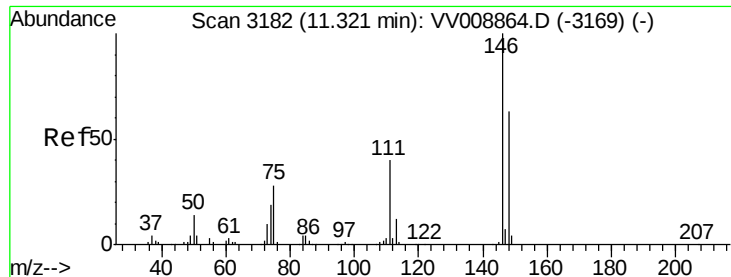


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#64

1,4-Dichlorobenzene

Concen: 1.040 ug/L

RT: 11.32 min Scan# 3182

Delta R.T. -0.00 min

Lab File: VV008871.D

Acq: 06 Dec 2018 22:11

Instrument :

MSVOA_V

ClientSampleId :

MDL06

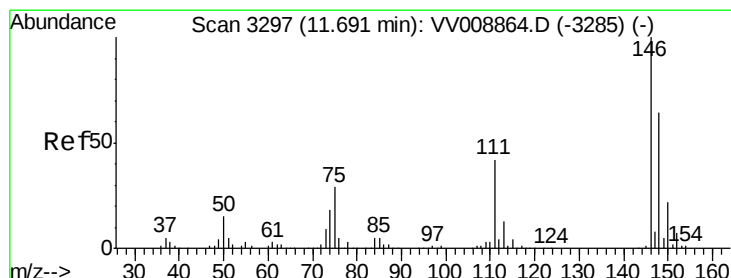
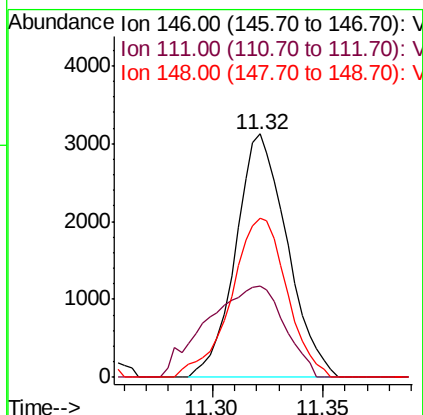
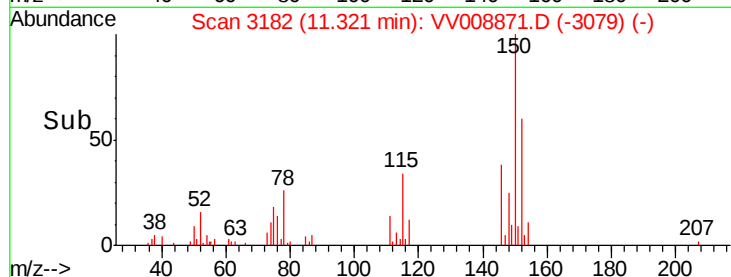
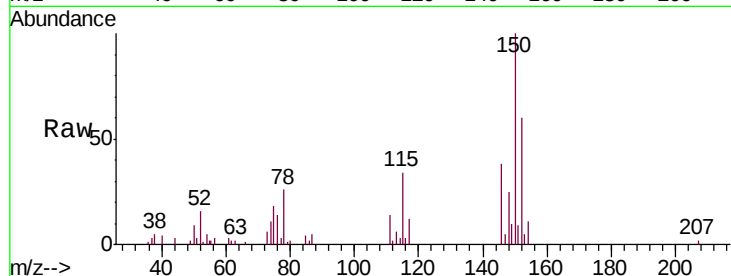
Tgt Ion:146 Resp: 5063

Ion Ratio Lower Upper

146 100

111 37.7 26.8 49.8

148 65.3 45.8 85.0



#65

1,2-Dichlorobenzene

Concen: 1.046 ug/L

RT: 11.69 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VV008871.D

Acq: 06 Dec 2018 22:11

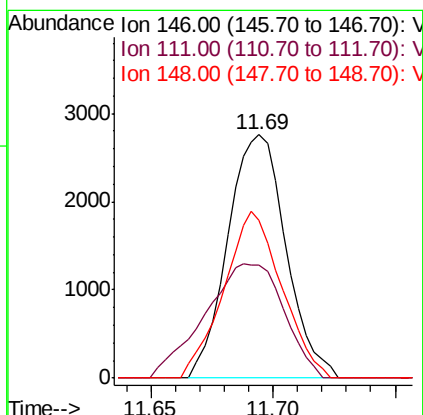
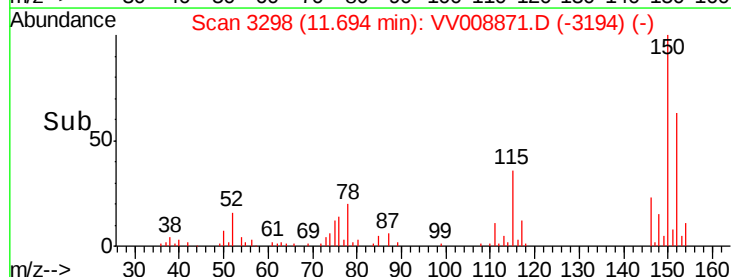
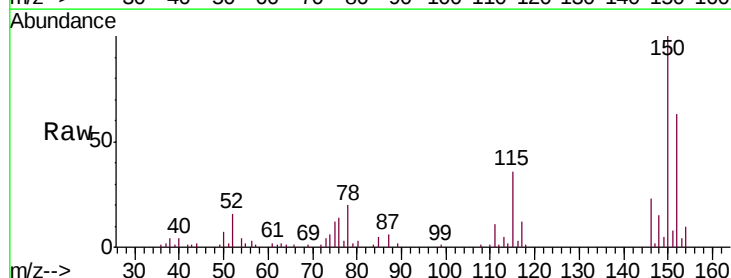
Tgt Ion:146 Resp: 4561

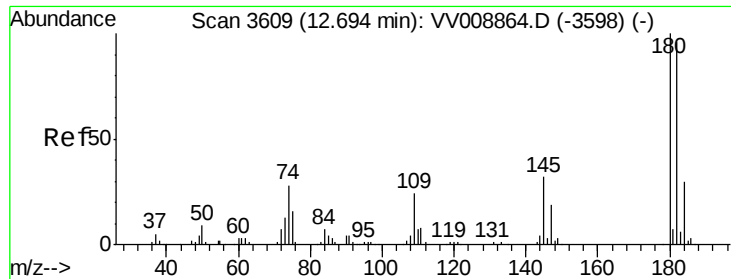
Ion Ratio Lower Upper

146 100

111 46.2 34.2 51.4

148 64.8 51.0 76.6

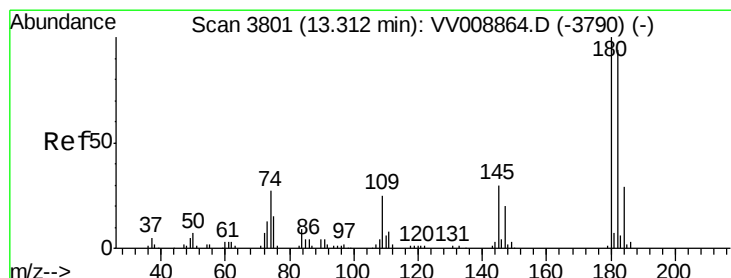
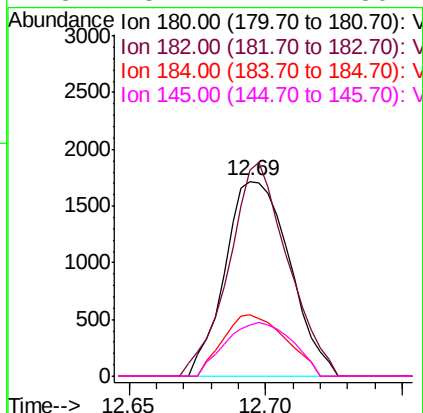
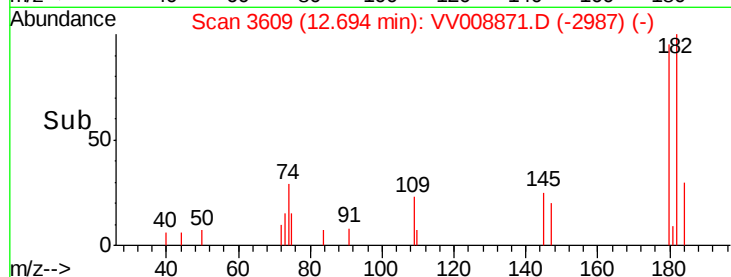
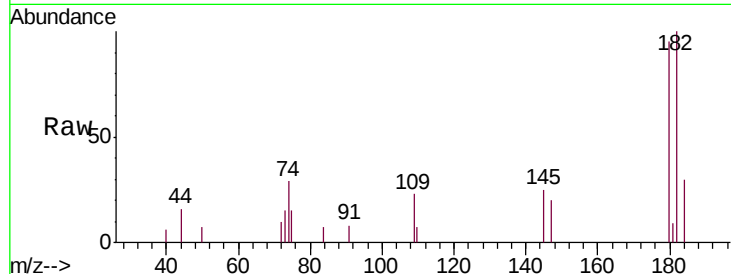




#67
 1,3,5-Trichlorobenzene
 Concen: 0.829 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. -0.00 min
 Lab File: VV008871.D
 Acq: 06 Dec 2018 22:11

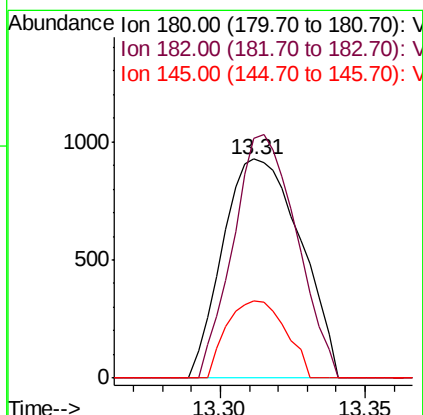
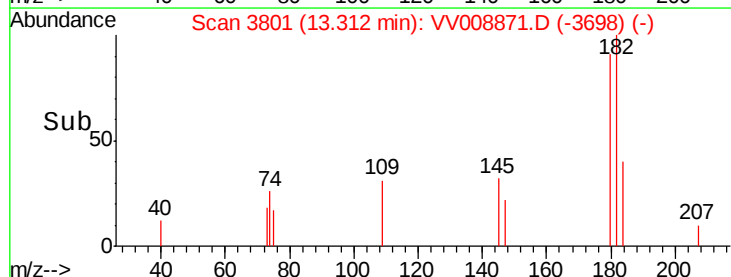
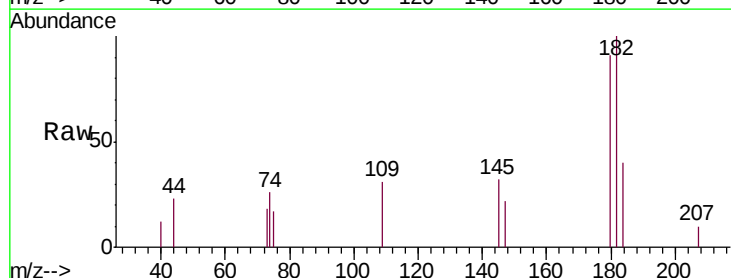
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL06

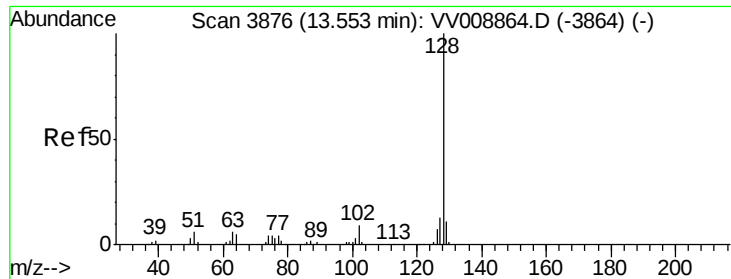
Tgt Ion:	180	Resp:	2835
Ion	Ratio	Lower	Upper
180	100		
182	99.6	75.9	113.9
184	30.7	23.8	35.6
145	28.4	24.2	36.4



#68
 1,2,4-trichlorobenzene
 Concen: 0.721 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. -0.00 min
 Lab File: VV008871.D
 Acq: 06 Dec 2018 22:11

Tgt Ion:	180	Resp:	1726
Ion	Ratio	Lower	Upper
180	100		
182	90.6	77.4	116.0
145	26.6	25.6	38.4





#69

Naphthalene

Concen: 0.660 ug/L

RT: 13.56 min Scan# 3878

Delta R.T. 0.01 min

Lab File: VV008871.D

Acq: 06 Dec 2018 22:11

Instrument :

MSVOA_V

ClientSampleId :

MDL06

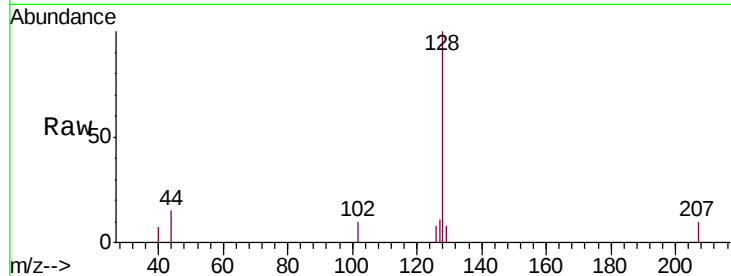
Tgt Ion:128 Resp: 2724

Ion Ratio Lower Upper

128 100

129 3.7 8.6 13.0#

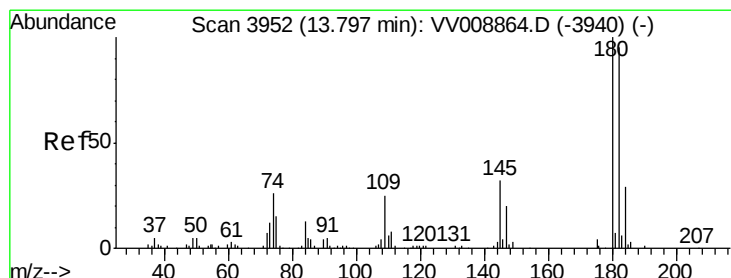
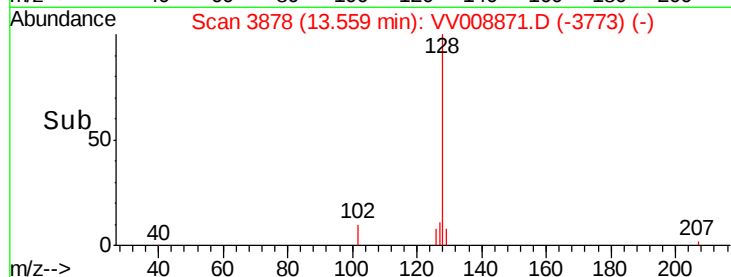
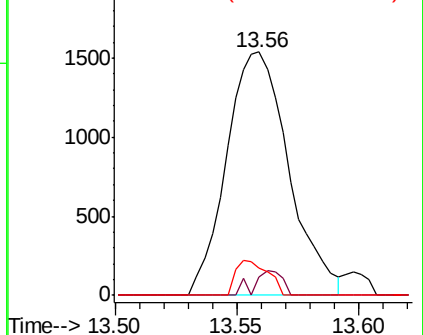
127 0.0 10.0 15.0#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 0.747 ug/L

RT: 13.80 min Scan# 3952

Delta R.T. -0.00 min

Lab File: VV008871.D

Acq: 06 Dec 2018 22:11

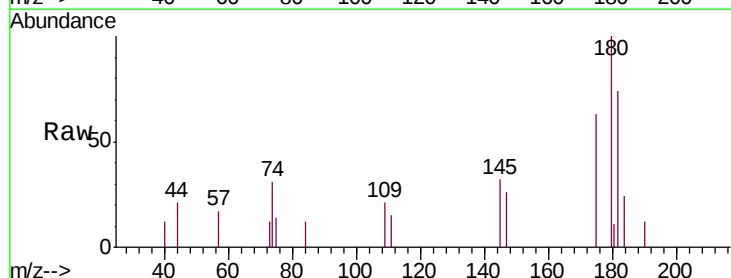
Tgt Ion:180 Resp: 1653

Ion Ratio Lower Upper

180 100

182 91.3 76.1 114.1

145 25.8 26.7 40.1#



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

