

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV091218\
 Data File : VV007471.D
 Acq On : 12 Sep 2018 11:47
 Operator : SY/MD
 Sample : VSTD0.564
 Misc : 25.0 mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.564

Quant Time: Sep 13 01:54:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR091218WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Sep 13 01:53:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	148232	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	132532	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	68908	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	3928	0.50	ug/L	0.00
7) Chloroethane-d5	1.54	69	416	0.06	ug/L	-0.04
11) 1,1-Dichloroethene-d2	2.13	63	8539	0.53	ug/L	0.00
20) 2-Butanone-d5	3.97	46	7599	4.45	ug/L	0.00
24) Chloroform-d	4.40	84	7839	0.50	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	4035	0.49	ug/L	0.00
32) Benzene-d6	5.10	84	14376	0.48	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	4435	0.49	ug/L	0.00
41) Toluene-d8	7.36	98	15308	0.50	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	2748	0.62	ug/L	0.00
46) 2-Hexanone-d5	8.15	63	4279	4.04	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.27	84	3419	0.49	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	5979	0.51	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	3721	0.431 ug/L	99
3) Chloromethane	1.25	50	4311	0.570 ug/L #	79
5) Vinyl chloride	1.32	62	4368	0.502 ug/L	99
6) Bromomethane	1.54	94	3127	0.542 ug/L	96
8) Chloroethane	1.60	64	2782	0.538 ug/L	98
9) Trichlorofluoromethane	1.77	101	7873	0.519 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	4894	0.564 ug/L	96
12) 1,1-Dichloroethene	2.14	96	4322	0.565 ug/L	92
13) Acetone	2.21	43	5219	5.234 ug/L	84
14) Carbon disulfide	2.32	76	12213	0.522 ug/L #	89
15) Methyl Acetate	2.47	43	1291	0.468 ug/L #	75
16) Methylene chloride	2.54	84	5361	0.656 ug/L	86
17) Methyl tert-butyl Ether	2.82	73	10665	0.552 ug/L #	95
18) trans-1,2-Dichloroethene	2.79	96	4436	0.542 ug/L	86
19) 1,1-Dichloroethane	3.23	63	8012	0.600 ug/L #	79
21) 2-Butanone	4.06	43	7101	4.382 ug/L	76
22) cis-1,2-Dichloroethene	3.96	96	3826	0.476 ug/L #	95
23) Bromochloromethane	4.31	128	2005	0.522 ug/L #	92
25) Chloroform	4.43	83	6426	0.467 ug/L	96
27) 1,2-Dichloroethane	5.19	62	3817	0.443 ug/L #	38
29) 1,1,1-Trichloroethane	4.66	97	6509	0.476 ug/L	94
30) Cyclohexane	4.72	56	5878	0.486 ug/L	99
31) Carbon tetrachloride	4.87	117	6034	0.479 ug/L	99
33) Benzene	5.15	78	14009	0.485 ug/L	100
34) Trichloroethene	5.96	95	4195	0.481 ug/L	96
35) Methylcyclohexane	6.18	83	6379	0.472 ug/L	97
37) 1,2-Dichloropropane	6.23	63	3547	0.484 ug/L #	94
38) Bromodichloromethane	6.56	83	5119	0.494 ug/L	98
39) cis-1,3-Dichloropropene	7.08	75	5647	0.479 ug/L #	78
40) 4-Methyl-2-pentanone	7.29	43	20047	4.808 ug/L	99

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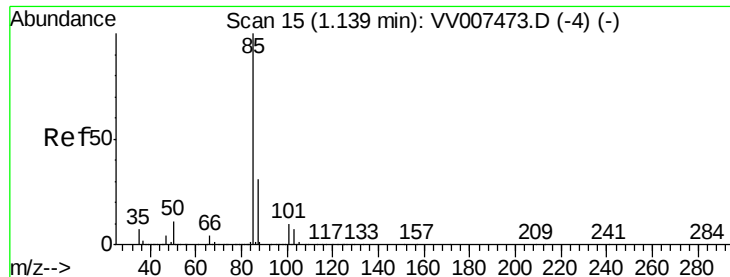
Instrument :
 MSVOA_V
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Quant Time: Sep 13 01:54:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR091218WMA.M
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) Toluene	7.43	91	15452	0.483	ug/L	100
44) trans-1,3-Dichloropropene	7.70	75	4506	0.456	ug/L #	77
45) 1,1,2-Trichloroethane	7.89	97	2971	0.536	ug/L	92
47) Tetrachloroethene	8.02	164	3638	0.488	ug/L	97
48) 2-Hexanone	8.20	43	14491	4.775	ug/L	97
49) Dibromochloromethane	8.30	129	3624	0.473	ug/L	97
50) 1,2-Dibromoethane	8.41	107	2723	0.503	ug/L #	98
51) Chlorobenzene	8.93	112	10482	0.482	ug/L	93
52) Ethylbenzene	9.06	91	17534	0.481	ug/L	96
53) m,p-xylene	9.19	106	6882	0.485	ug/L	99
54) o-xylene	9.59	106	6722	0.485	ug/L	95
55) Styrene	9.61	104	10643	0.469	ug/L	99
56) Isopropylbenzene	9.98	105	17617	0.472	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.29	83	3001	0.494	ug/L #	92
59) 1,2,3-Trichloropropane	10.32	75	2276	0.488	ug/L	94
61) Bromoform	9.78	173	2265	0.473	ug/L	98
62) 1,3-Dichlorobenzene	11.23	146	8584	0.489	ug/L	95
63) 1,4-Dichlorobenzene	11.32	146	8340	0.477	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	8122	0.492	ug/L	95
66) 1,2-Dibromo-3-chloropropan	12.49	75	589	0.480	ug/L	88
67) 1,3,5-Trichlorobenzene	12.70	180	6023	0.447	ug/L	99
68) 1,2,4-trichlorobenzene	13.32	180	3745	0.367	ug/L	95
69) Naphthalene	13.56	128	5879	0.370	ug/L #	90
70) 1,2,3-Trichlorobenzene	13.80	180	3787	0.395	ug/L	93

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



#2

Dichlorodifluoromethane

Concen: 0.431 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV007471.D

Acq: 12 Sep 2018 11:47

Instrument :

MSVOA_V

ClientSampleId :

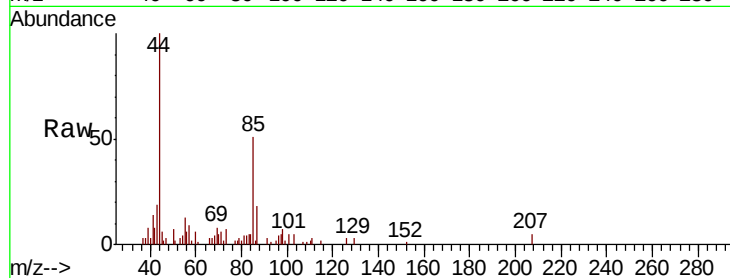
VSTD0.564

Tot Ion: 85 Resp: 3721

Ion Ratio Lower Upper

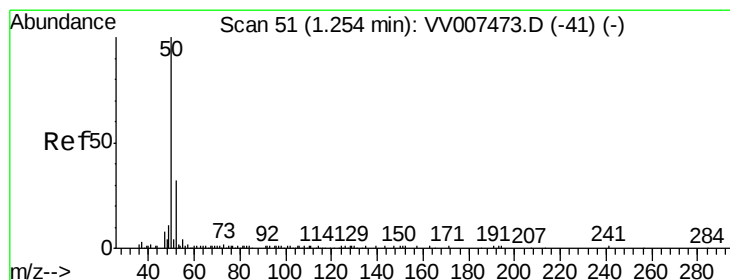
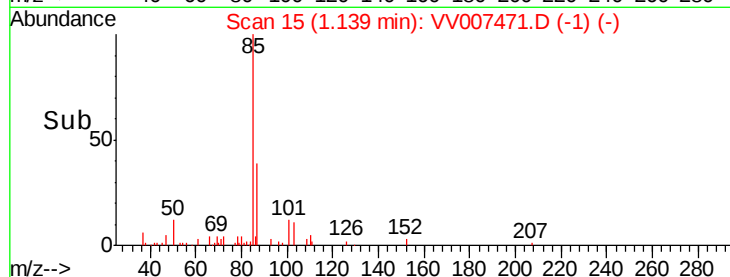
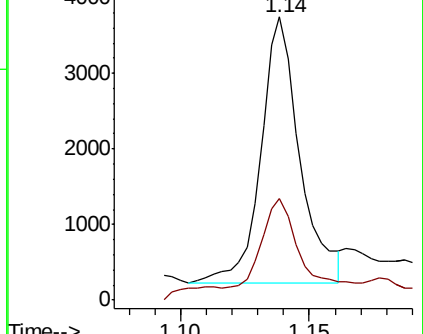
85 100

87 30.5 25.0 37.4



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 0.570 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV007471.D

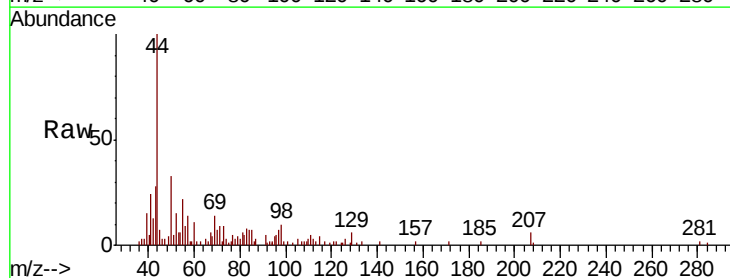
Acq: 12 Sep 2018 11:47

Tgt Ion: 50 Resp: 4311

Ion Ratio Lower Upper

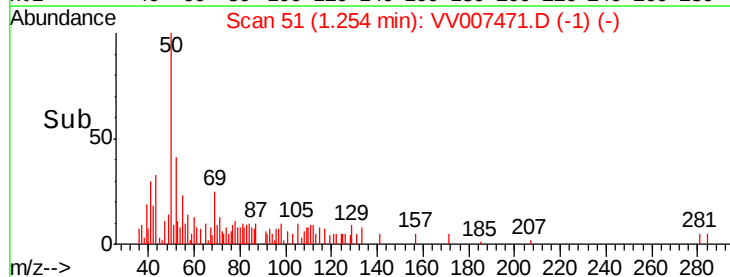
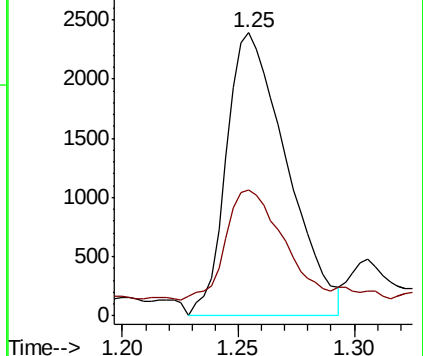
50 100

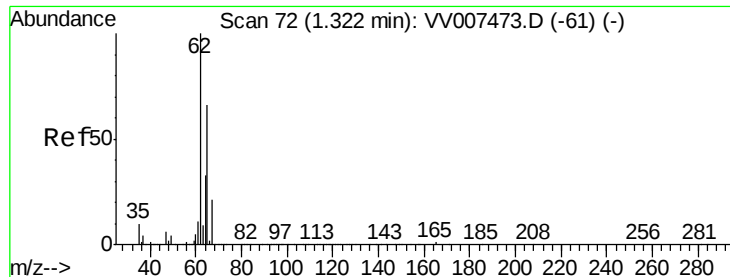
52 44.7 23.1 42.9#



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 0.502 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV007471.D

Acq: 12 Sep 2018 11:47

Instrument :

MSVOA_V

ClientSampleId :

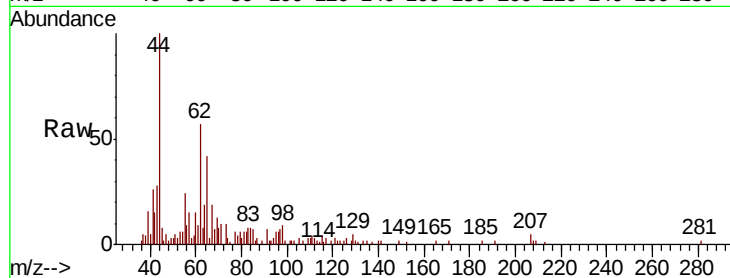
VSTD0.564

Tot Ion: 62 Resp: 4368

Ion Ratio Lower Upper

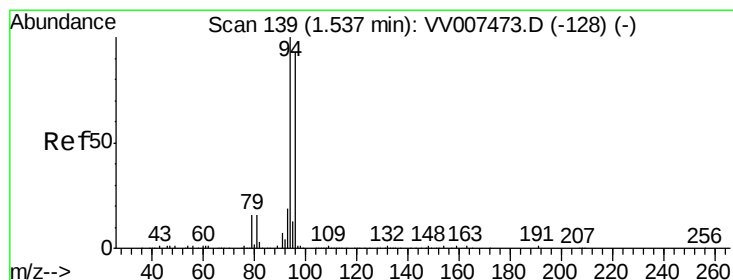
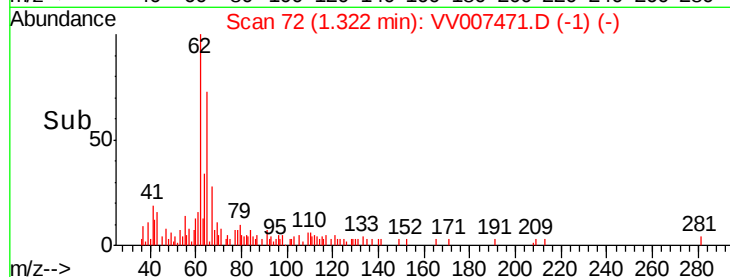
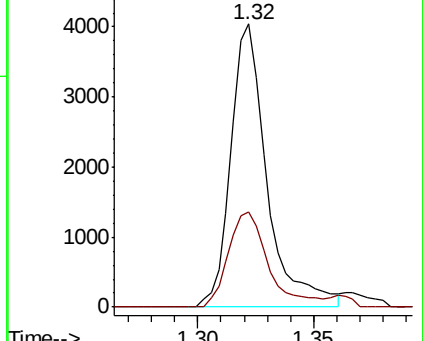
62 100

64 33.7 23.1 42.9



Abundance Ion 62.00 (61.70 to 62.70): VV007471.D (-61) (-)

Ion 64.10 (63.80 to 64.80): VV007471.D (-61) (-)



#6

Bromomethane

Concen: 0.542 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV007471.D

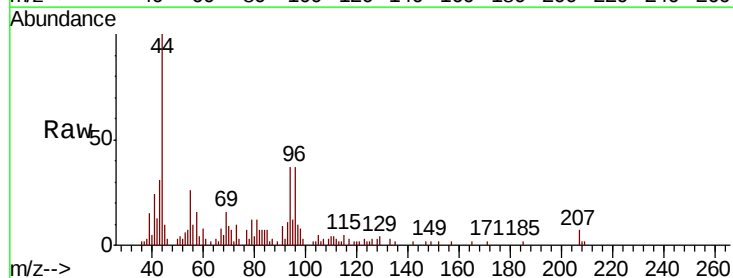
Acq: 12 Sep 2018 11:47

Tgt Ion: 94 Resp: 3127

Ion Ratio Lower Upper

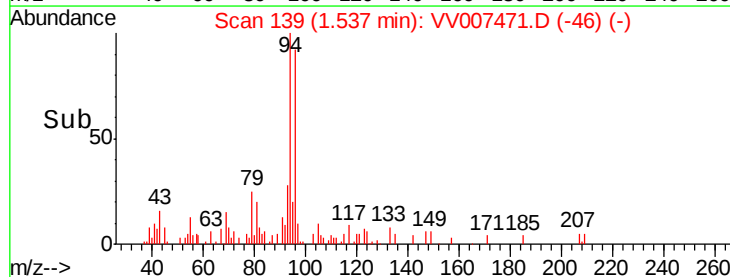
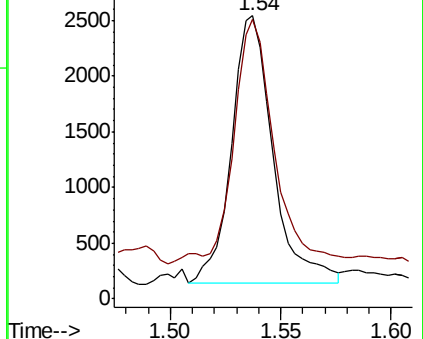
94 100

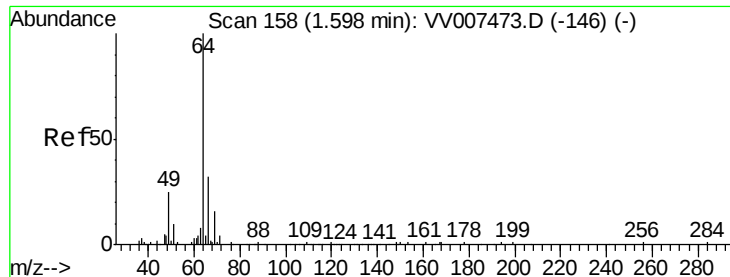
96 98.8 66.3 123.1



Abundance Ion 94.00 (93.70 to 94.70): VV007471.D (-128) (-)

Ion 96.00 (95.70 to 96.70): VV007471.D (-128) (-)





#8

Chloroethane

Concen: 0.538 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.00 min

Lab File: VV007471.D

Acq: 12 Sep 2018 11:47

Instrument :

MSVOA_V

ClientSampleId :

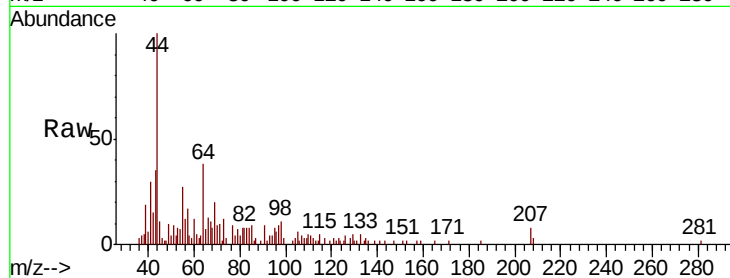
VSTD0.564

Tot Ion: 64 Resp: 2782

Ion Ratio Lower Upper

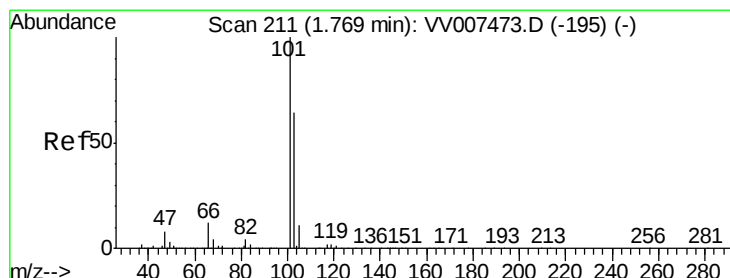
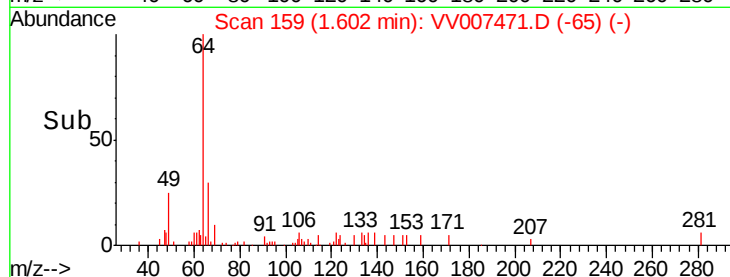
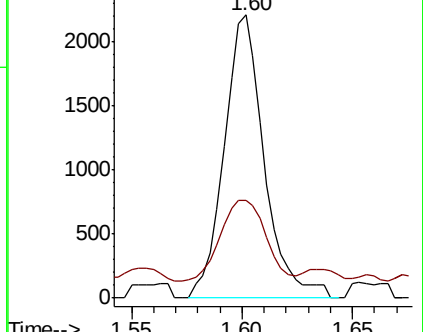
64 100

66 34.6 23.5 43.7



Abundance Ion 64.10 (63.80 to 64.80): VV007471.D (-146) (-)

Ion 66.05 (65.75 to 66.75): VV007471.D (-146) (-)



#9

Trichlorofluoromethane

Concen: 0.519 ug/L

RT: 1.77 min Scan# 211

Delta R.T. 0.00 min

Lab File: VV007471.D

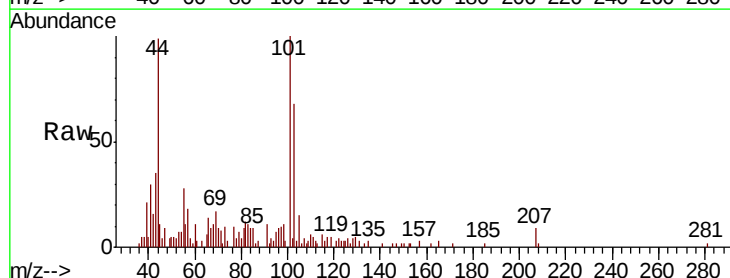
Acq: 12 Sep 2018 11:47

Tgt Ion: 101 Resp: 7873

Ion Ratio Lower Upper

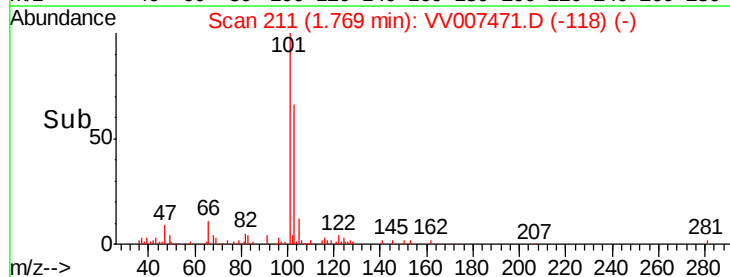
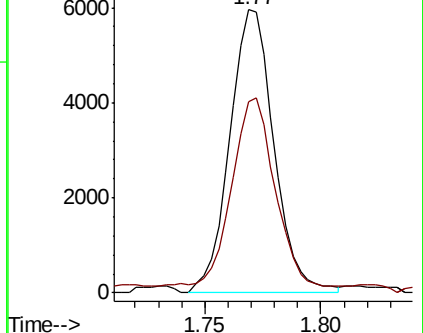
101 100

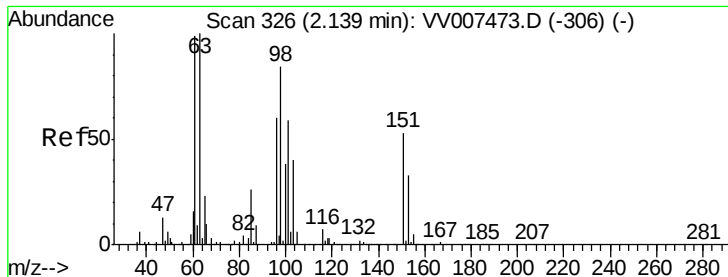
103 64.2 51.5 77.3



Abundance Ion 101.00 (100.70 to 101.70): VV007471.D (-195) (-)

Ion 103.00 (102.70 to 103.70): VV007471.D (-195) (-)





#10

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

Concen: 0.564 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV007471.D

Acq: 12 Sep 2018 11:47

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.564

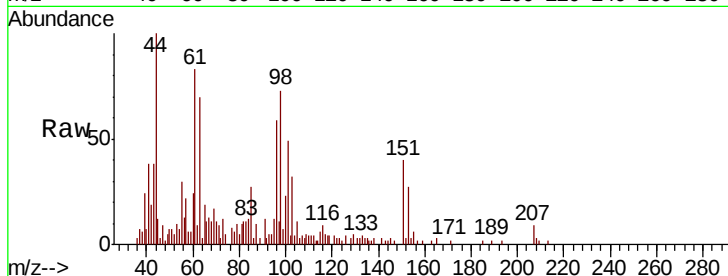
Tot Ion:101 Resp: 4894

Ion Ratio Lower Upper

101 100

85 38.4 34.5 51.7

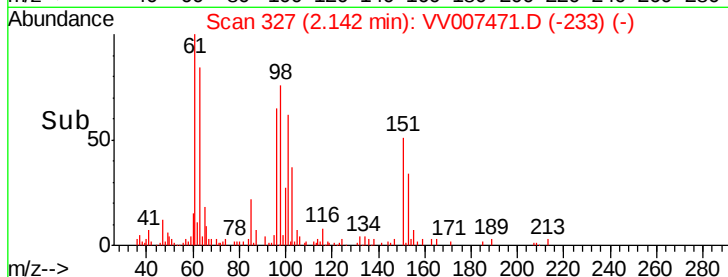
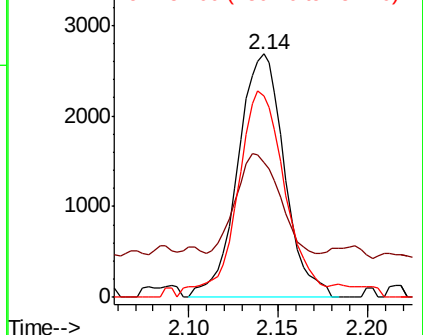
151 86.8 71.4 107.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.565 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV007471.D

Acq: 12 Sep 2018 11:47

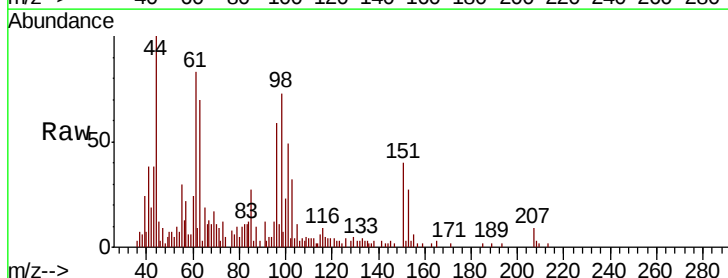
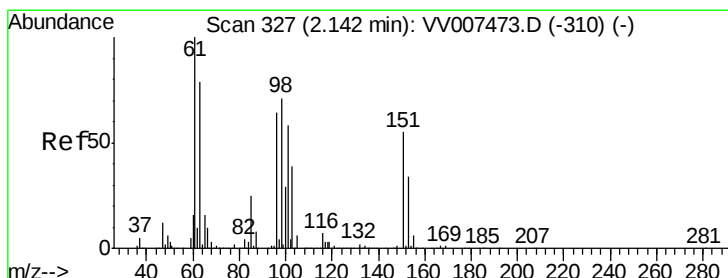
Tgt Ion: 96 Resp: 4322

Ion Ratio Lower Upper

96 100

61 140.6 108.0 200.6

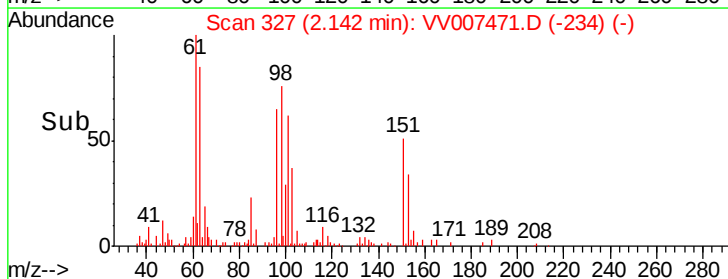
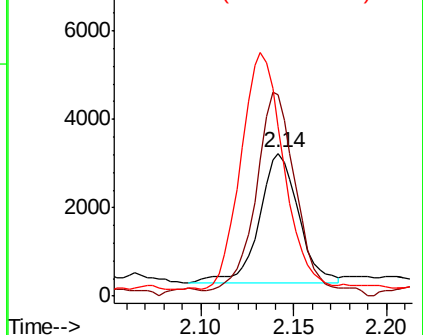
63 118.1 85.7 159.1

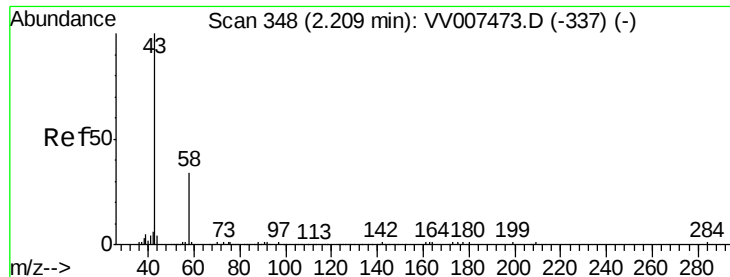


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 5.234 ug/L

RT: 2.21 min Scan# 348

Delta R.T. 0.00 min

Lab File: VV007471.D

Acq: 12 Sep 2018 11:47

Instrument :

MSVOA_V

ClientSampleId :

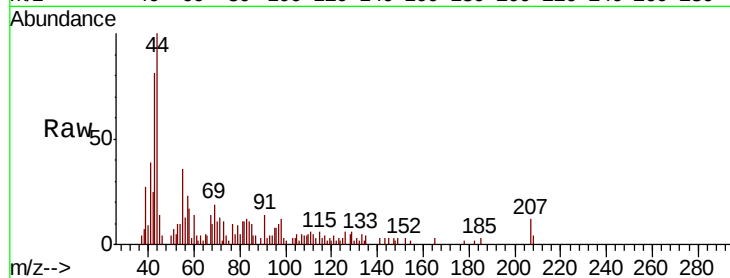
VSTD0.564

Tot Ion: 43 Resp: 5219

Ion Ratio Lower Upper

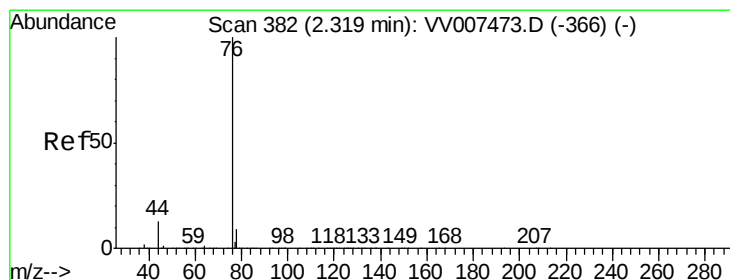
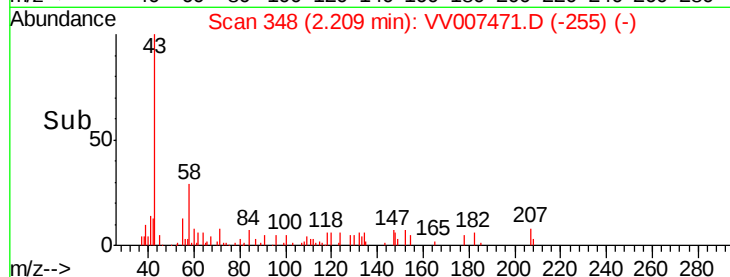
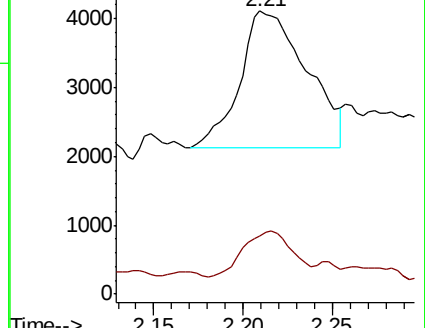
43 100

58 23.8 0.0 65.4



Abundance Ion 43.05 (42.75 to 43.75): VV007471.D (-337) (-)

Ion 58.05 (57.75 to 58.75): VV007471.D (-337) (-)



#14

Carbon disulfide

Concen: 0.522 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV007471.D

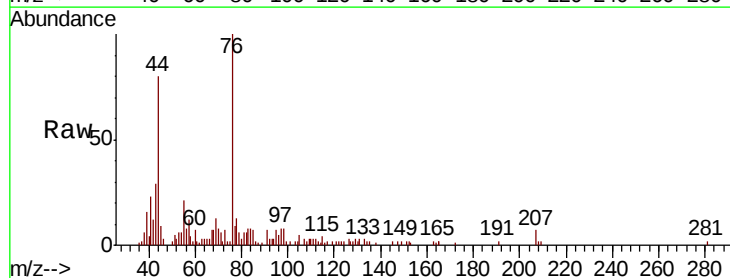
Acq: 12 Sep 2018 11:47

Tgt Ion: 76 Resp: 12213

Ion Ratio Lower Upper

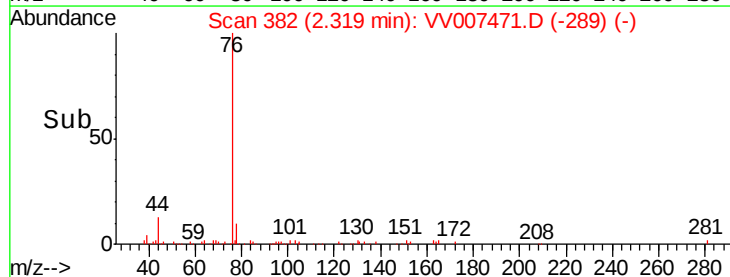
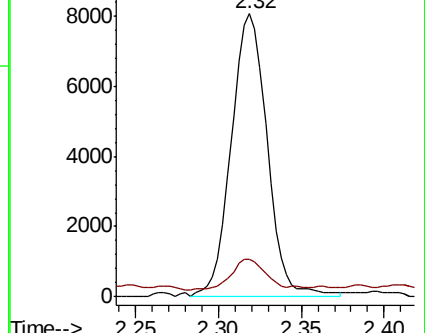
76 100

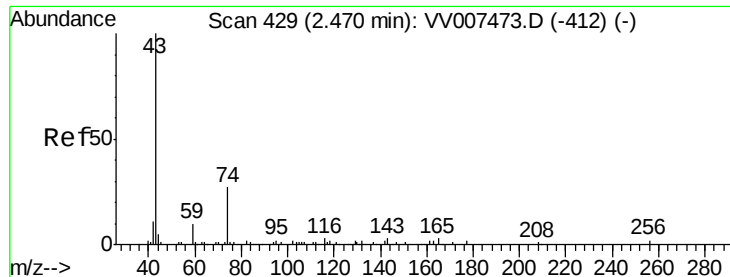
78 13.5 7.6 11.4#



Abundance Ion 76.05 (75.75 to 76.75): VV007471.D (-366) (-)

Ion 78.00 (77.70 to 78.70): VV007471.D (-366) (-)

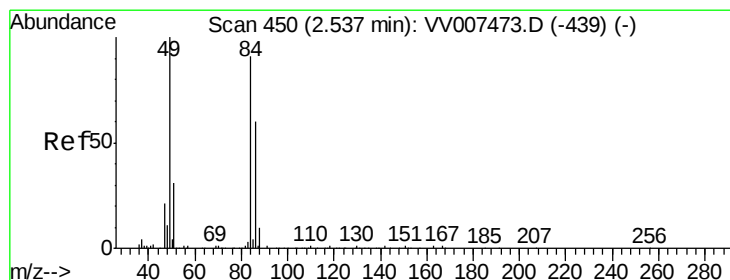
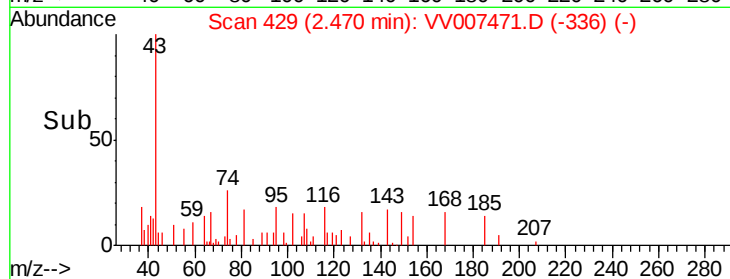
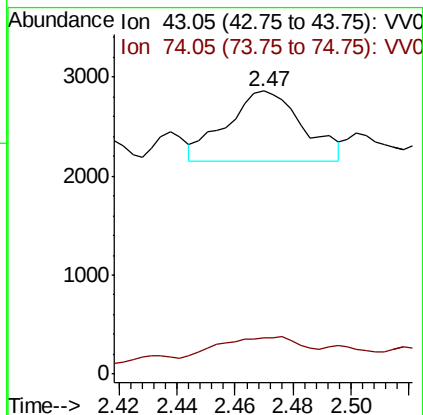
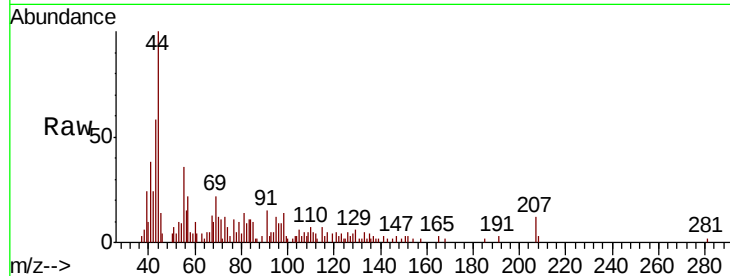




#15
Methvl Acetate
Concen: 0.468 ug/L
RT: 2.47 min Scan# 429
Delta R.T. 0.00 min
Lab File: VV007471.D
Acq: 12 Sep 2018 11:47

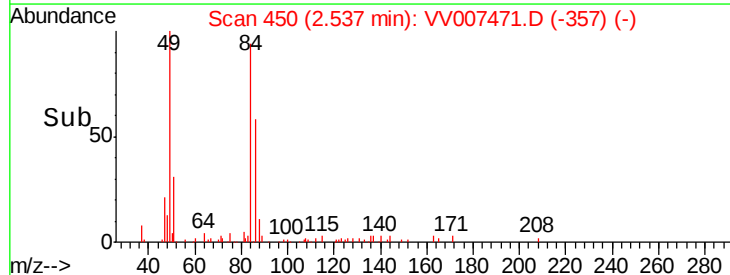
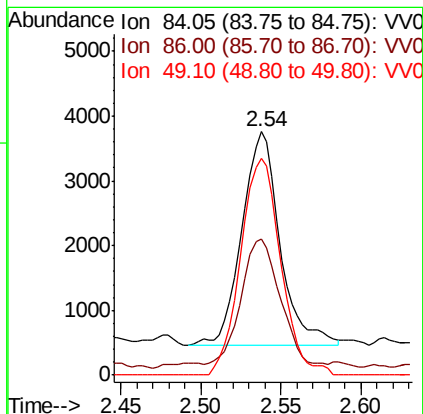
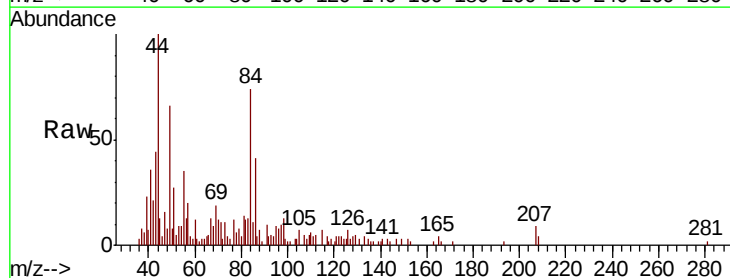
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.564

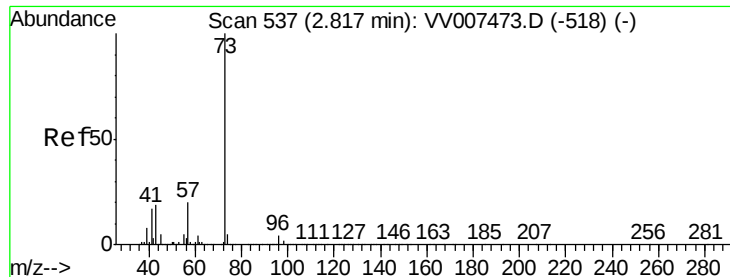
Tot Ion: 43 Resp: 1291
Ion Ratio Lower Upper
43 100
74 37.3 20.0 30.0#



#16
Methylene chloride
Concen: 0.656 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV007471.D
Acq: 12 Sep 2018 11:47

Tgt Ion: 84 Resp: 5361
Ion Ratio Lower Upper
84 100
86 55.7 44.9 83.3
49 89.2 74.2 137.8

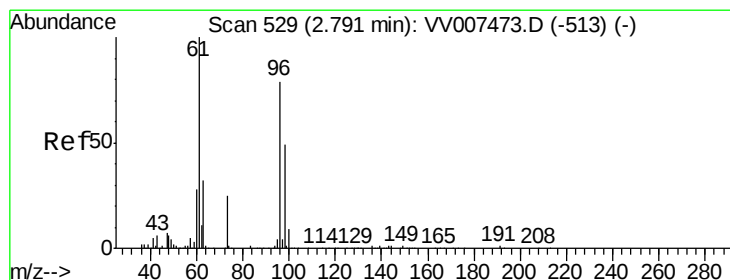
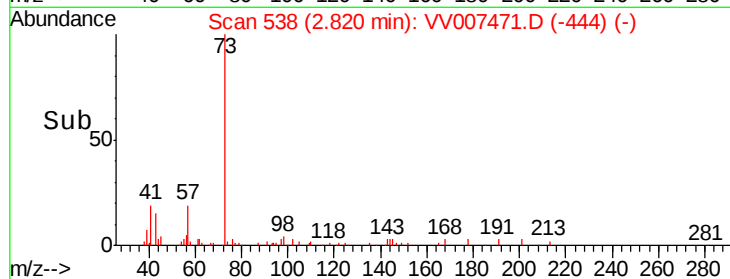
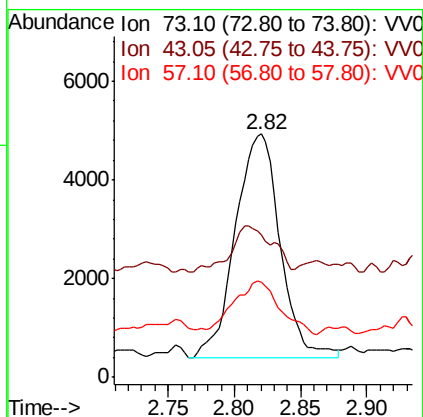
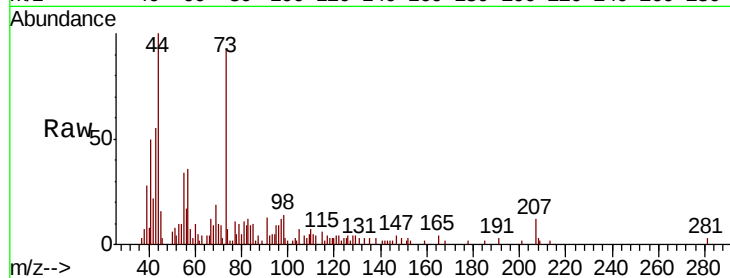




#17
Methvl tert-butvl Ether
Concen: 0.552 ug/L
RT: 2.82 min Scan# 538
Delta R.T. 0.00 min
Lab File: VV007471.D
Acq: 12 Sep 2018 11:47

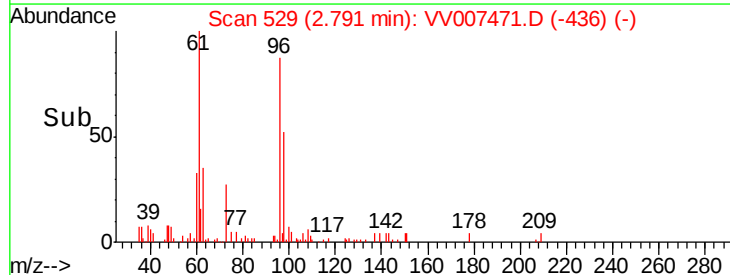
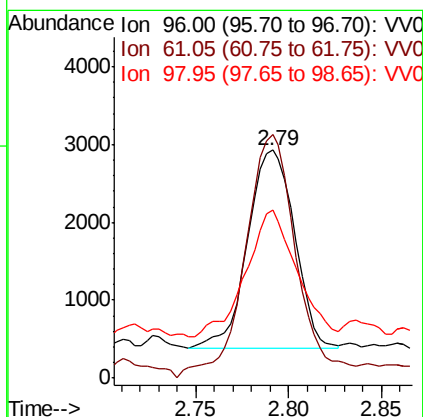
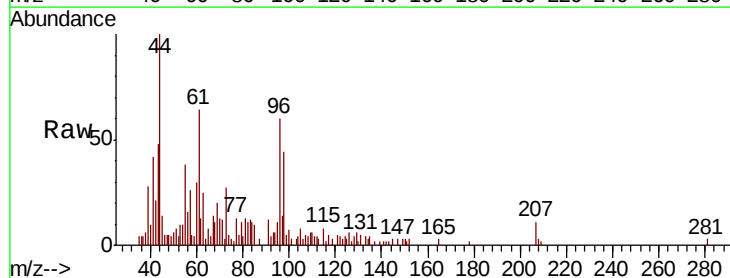
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.564

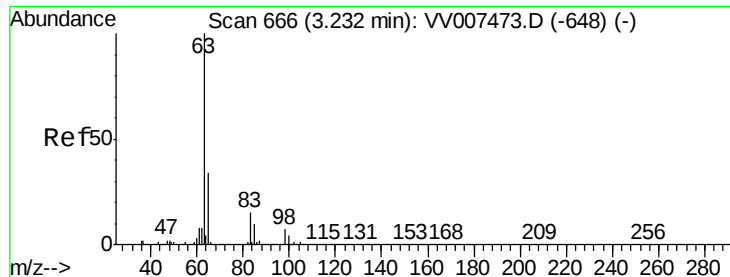
Tot Ion: 73 Resp: 10665
Ion Ratio Lower Upper
73 100
43 18.8 15.3 22.9
57 25.0 16.5 24.7#



#18
trans-1,2-Dichloroethene
Concen: 0.542 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV007471.D
Acq: 12 Sep 2018 11:47

Tgt Ion: 96 Resp: 4436
Ion Ratio Lower Upper
96 100
61 106.7 87.6 162.6
98 73.4 45.7 84.9





#19

1,1-Dichloroethane

Concen: 0.600 ug/L

RT: 3.23 min Scan# 665

Delta R.T. -0.00 min

Lab File: VV007471.D

Acq: 12 Sep 2018 11:47

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.564

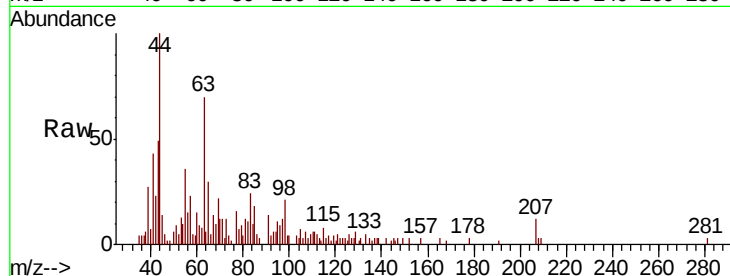
Tot Ion: 63 Resp: 8012

Ion Ratio Lower Upper

63 100

65 42.4 24.0 44.6

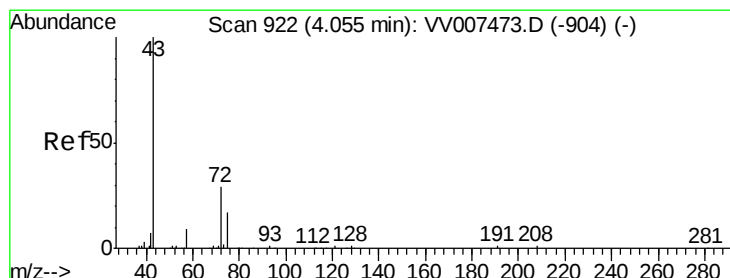
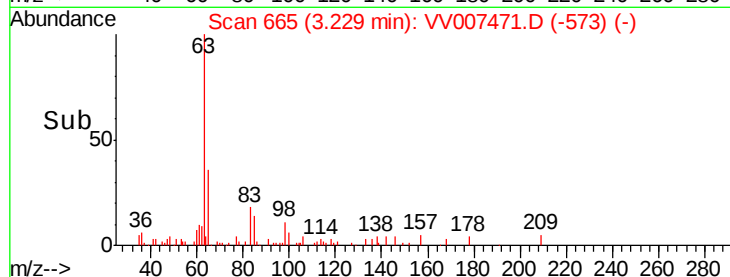
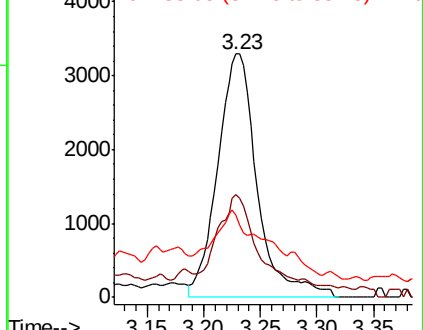
83 33.6 12.5 23.1#



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 65.10 (64.80 to 65.80): VV0

Ion 83.05 (82.75 to 83.75): VV0



#21

2-Butanone

Concen: 4.382 ug/L

RT: 4.06 min Scan# 924

Delta R.T. 0.01 min

Lab File: VV007471.D

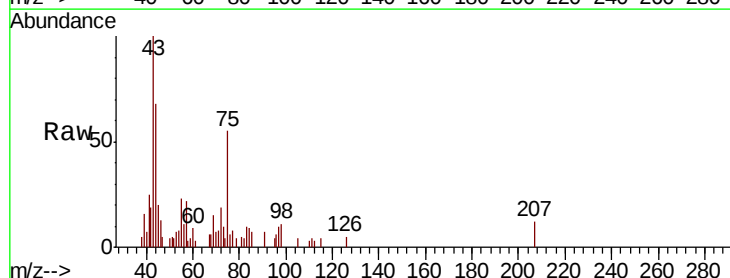
Acq: 12 Sep 2018 11:47

Tgt Ion: 43 Resp: 7101

Ion Ratio Lower Upper

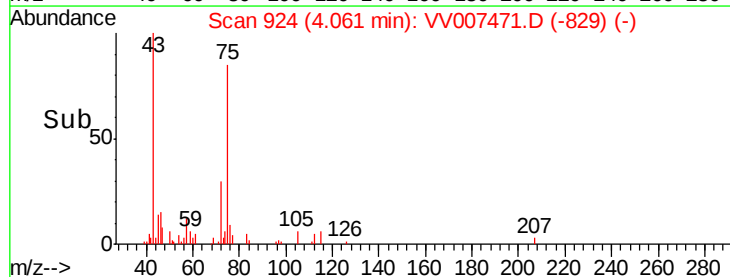
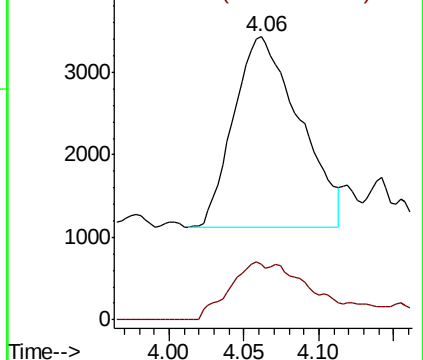
43 100

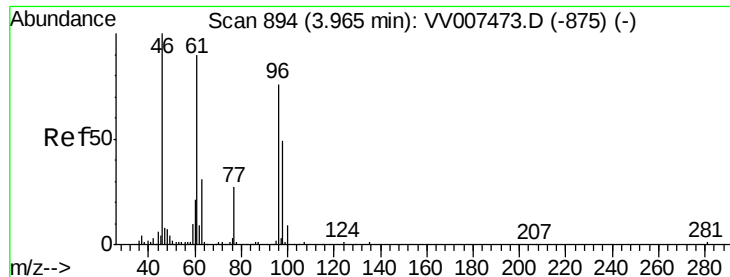
72 16.6 14.8 44.4



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 72.10 (71.80 to 72.80): VV0





#22

cis-1,2-Dichloroethene

Concen: 0.476 ug/L

RT: 3.96 min Scan# 894

Delta R.T. 0.00 min

Lab File: VV007471.D

Acq: 12 Sep 2018 11:47

Instrument :

MSVOA_V

ClientSampled :

VSTD0.564

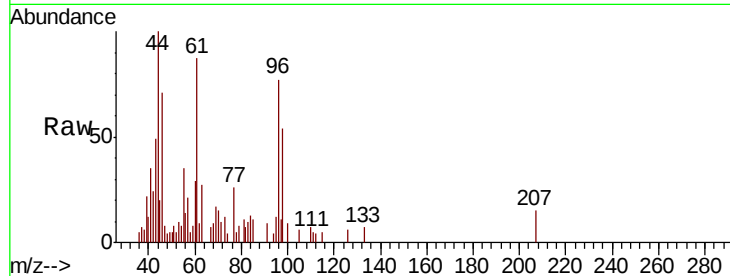
Tot Ion: 96 Resp: 3826

Ion Ratio Lower Upper

96 100

61 112.4 82.6 153.4

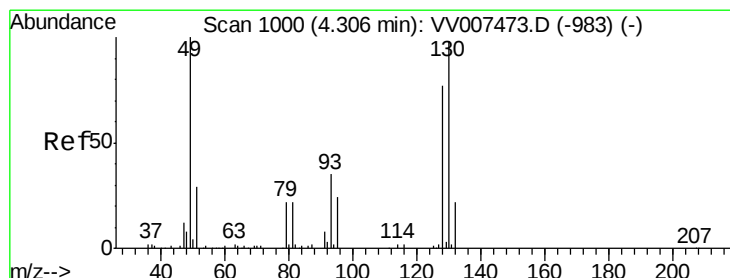
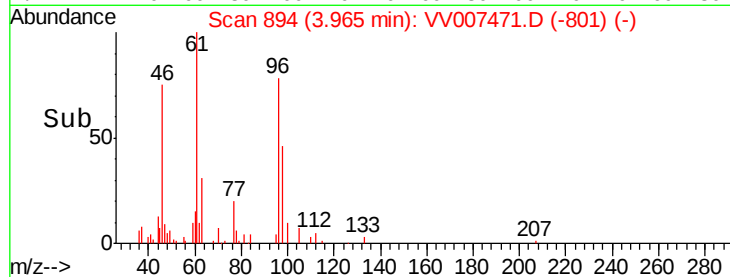
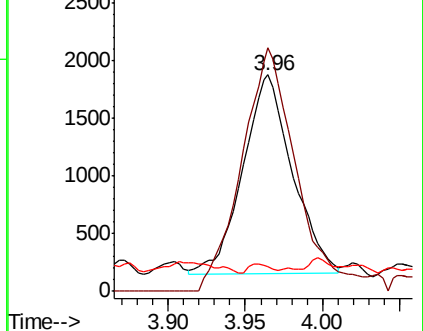
68 11.6 1.2 2.2#



Abundance Ion 96.00 (95.70 to 96.70): VV007471.D (-801) (-)

Ion 61.05 (60.75 to 61.75): VV007471.D (-801) (-)

Ion 68.15 (67.85 to 68.85): VV007471.D (-801) (-)



#23

Bromochloromethane

Concen: 0.522 ug/L

RT: 4.31 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VV007471.D

Acq: 12 Sep 2018 11:47

Tgt Ion: 128 Resp: 2005

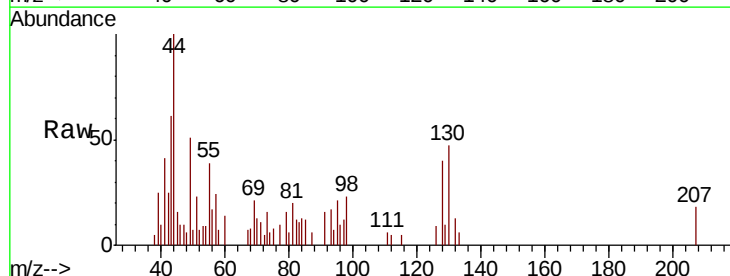
Ion Ratio Lower Upper

128 100

49 127.9 91.1 169.1

130 116.4 89.5 166.1

51 56.7 32.7 49.1#

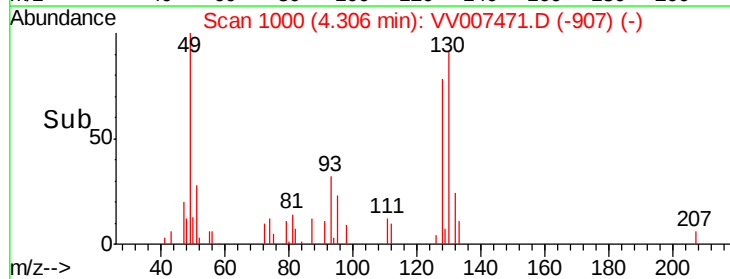
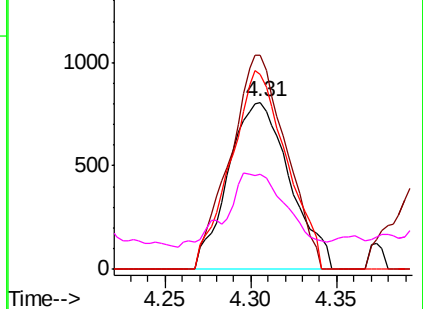


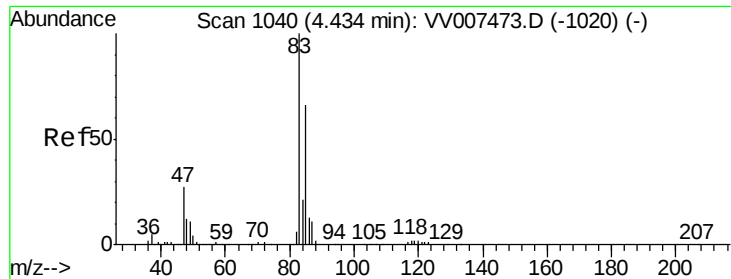
Abundance Ion 127.90 (127.60 to 128.60): VV007471.D (-907) (-)

Ion 49.10 (48.80 to 49.80): VV007471.D (-907) (-)

Ion 129.95 (129.65 to 130.65): VV007471.D (-907) (-)

Ion 51.05 (50.75 to 51.75): VV007471.D (-907) (-)





#25

Chloroform

Concen: 0.467 ug/L

RT: 4.43 min Scan# 1039

Delta R.T. -0.00 min

Lab File: VV007471.D

Acq: 12 Sep 2018 11:47

Instrument :

MSVOA_V

ClientSampleId :

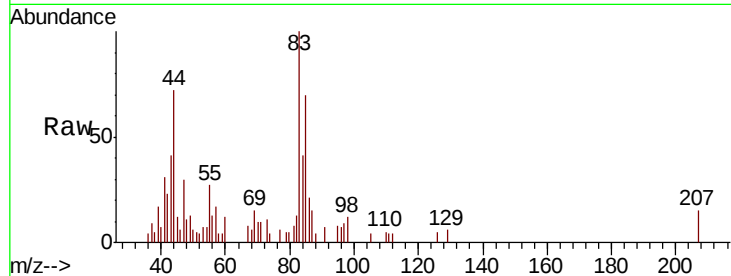
VSTD0.564

Tot Ion: 83 Resp: 6426

Ion Ratio Lower Upper

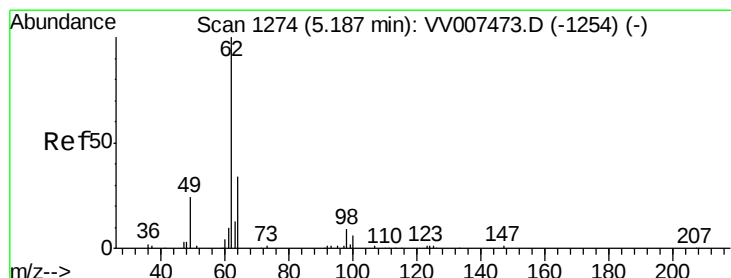
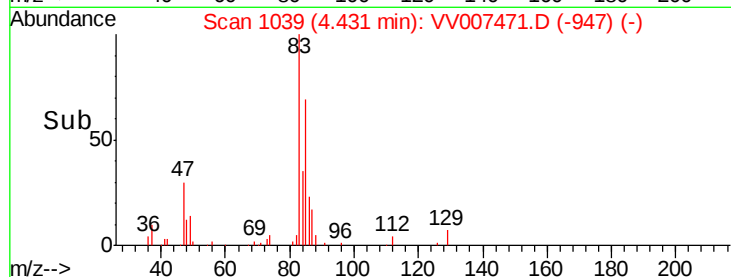
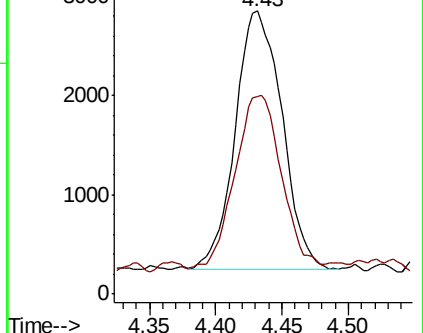
83 100

85 69.9 46.6 86.6



Abundance Ion 83.05 (82.75 to 83.75): VV007471.D (-947) (-)

Ion 85.00 (84.70 to 85.70): VV007471.D (-947) (-)



#27

1,2-Dichloroethane

Concen: 0.443 ug/L

RT: 5.19 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VV007471.D

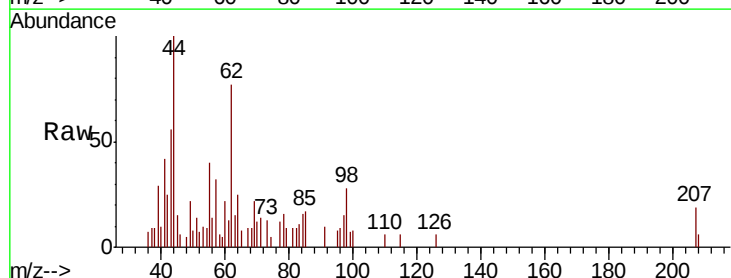
Acq: 12 Sep 2018 11:47

Tgt Ion: 62 Resp: 3817

Ion Ratio Lower Upper

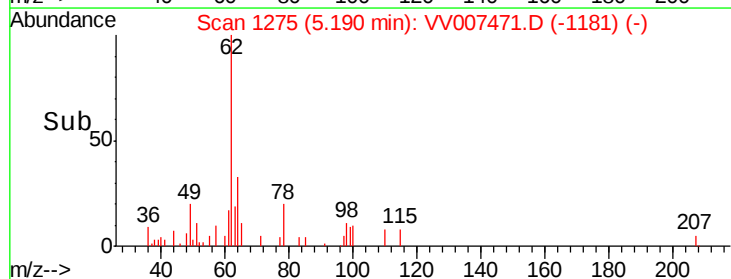
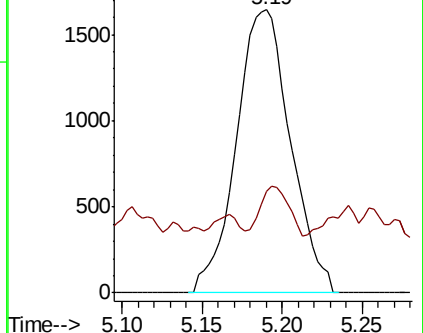
62 100

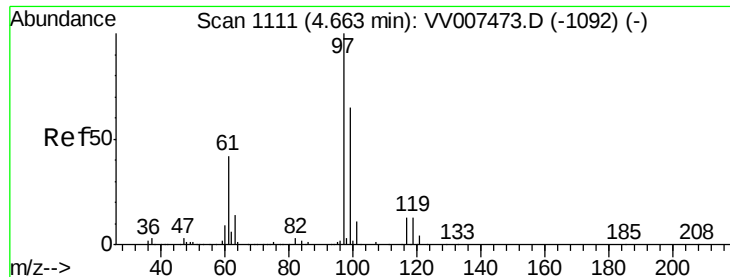
98 35.9 9.5 14.3#



Abundance Ion 62.00 (61.70 to 62.70): VV007471.D (-1181) (-)

Ion 98.05 (97.75 to 98.75): VV007471.D (-1181) (-)

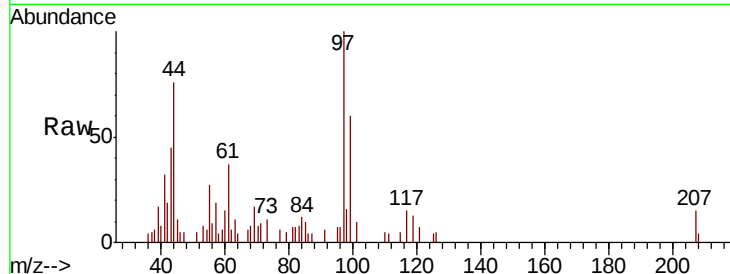




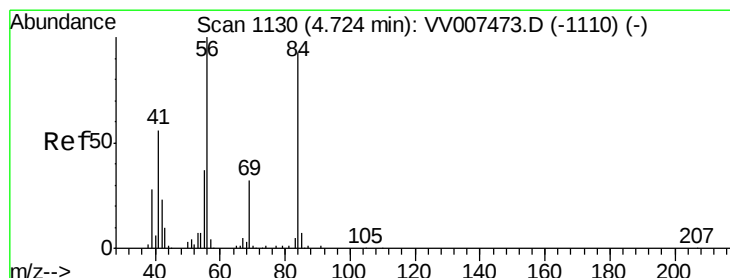
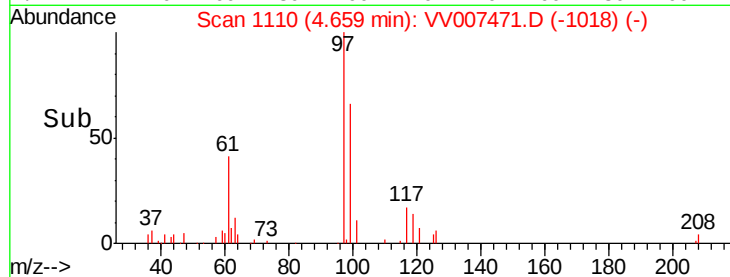
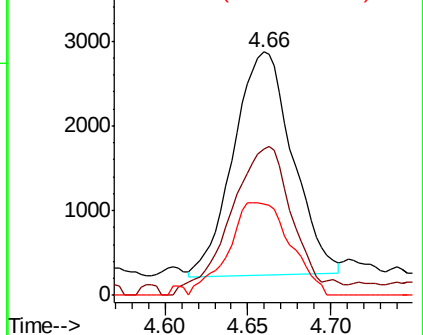
#29
 1,1,1-Trichloroethane
 Concen: 0.476 ug/L
 RT: 4.66 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: VV007471.D
 Acq: 12 Sep 2018 11:47

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.564

Tot Ion	97	Resp	6509
Ion	Ratio	Lower	Upper
97	100		
99	70.7	51.2	76.8
61	43.6	33.4	50.2

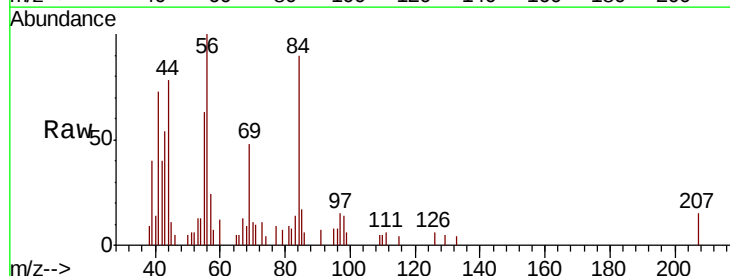


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

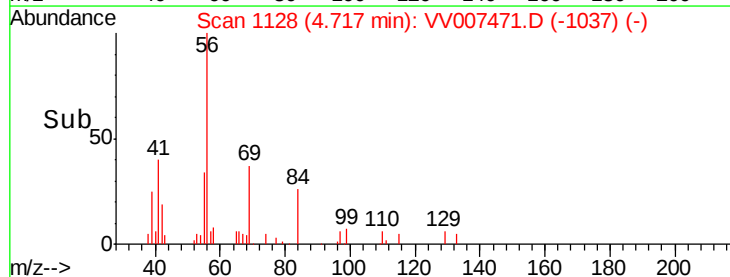
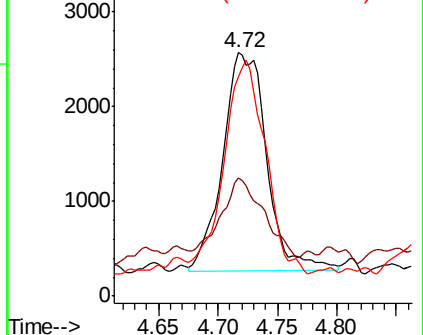


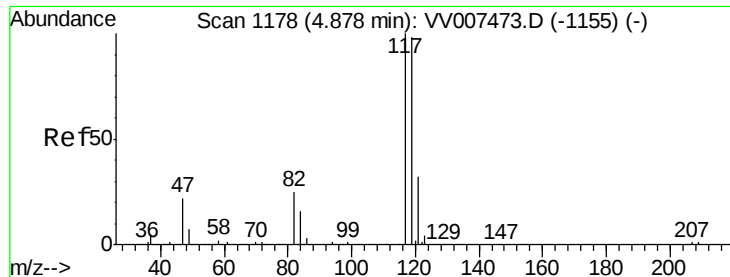
#30
 Cyclohexane
 Concen: 0.486 ug/L
 RT: 4.72 min Scan# 1128
 Delta R.T. -0.01 min
 Lab File: VV007471.D
 Acq: 12 Sep 2018 11:47

Tgt Ion	56	Resp	5878
Ion	Ratio	Lower	Upper
56	100		
69	35.9	26.6	39.8
84	92.1	73.8	110.8



Abundance Ion 56.10 (55.80 to 56.80): VV0
 Ion 69.15 (68.85 to 69.85): VV0
 Ion 84.15 (83.85 to 84.85): VV0

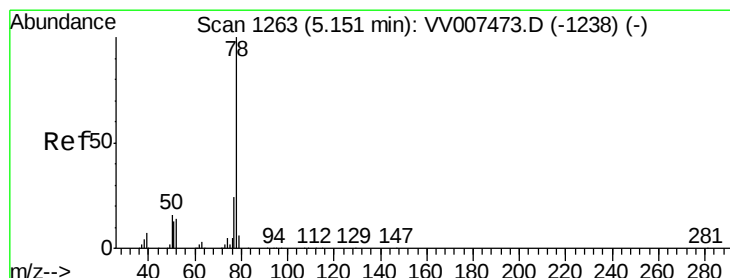
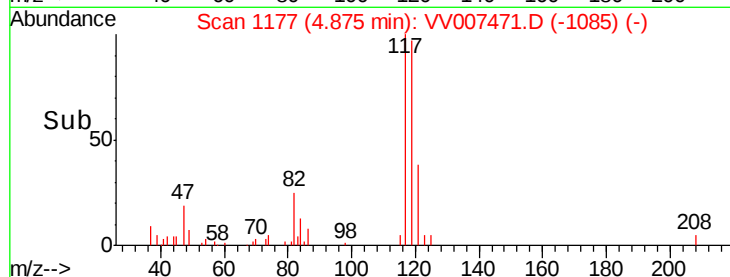
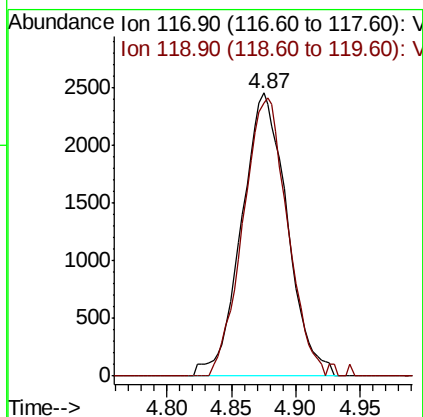
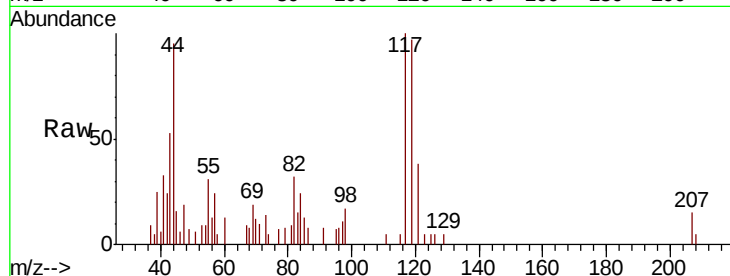




#31
Carbon tetrachloride
Concen: 0.479 ug/L
RT: 4.87 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VV007471.D
Acq: 12 Sep 2018 11:47

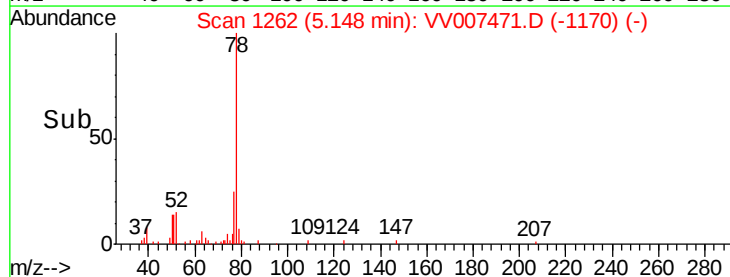
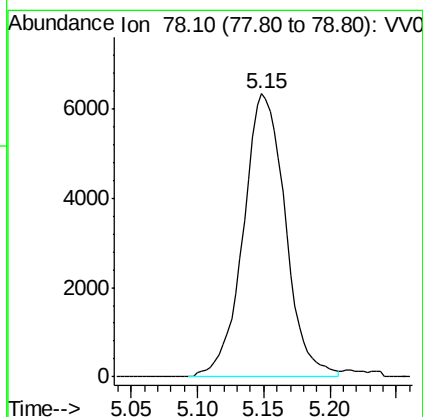
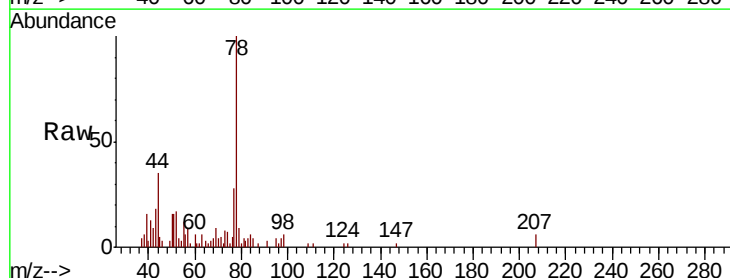
Instrument :
MSVOA_V
ClientSampled :
VSTD0.564

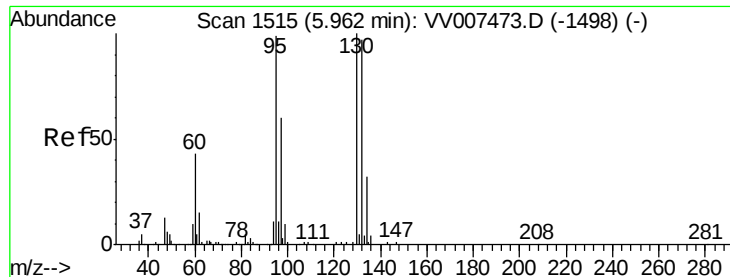
Tot Ion:117 Resp: 6034
Ion Ratio Lower Upper
117 100
119 95.8 77.4 116.2



#33
Benzene
Concen: 0.485 ug/L
RT: 5.15 min Scan# 1262
Delta R.T. -0.00 min
Lab File: VV007471.D
Acq: 12 Sep 2018 11:47

Tgt Ion: 78 Resp: 14009





#34

Trichloroethene

Concen: 0.481 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.00 min

Lab File: VV007471.D

Acq: 12 Sep 2018 11:47

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.564

Tot Ion: 95 Resp: 4195

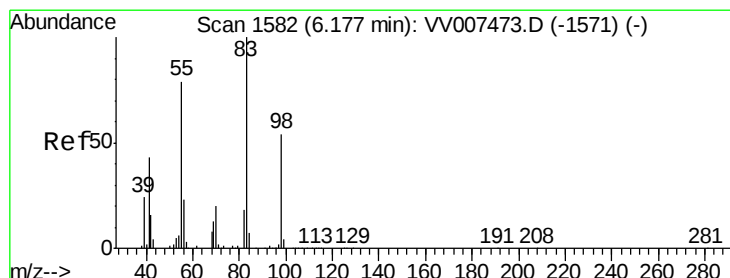
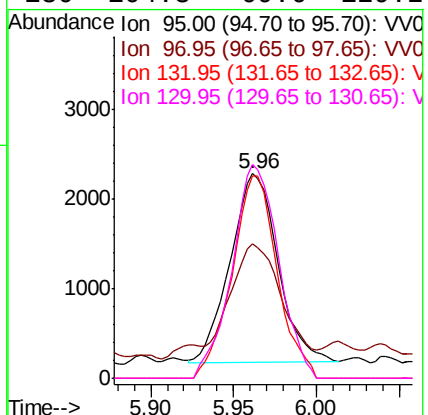
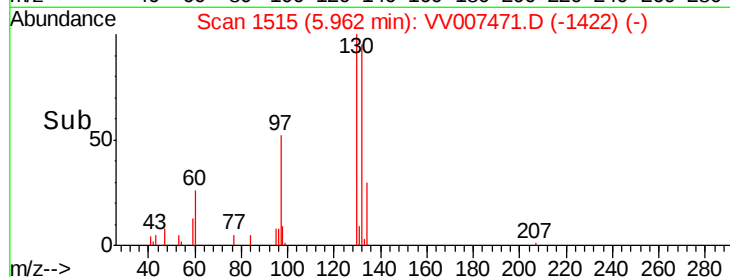
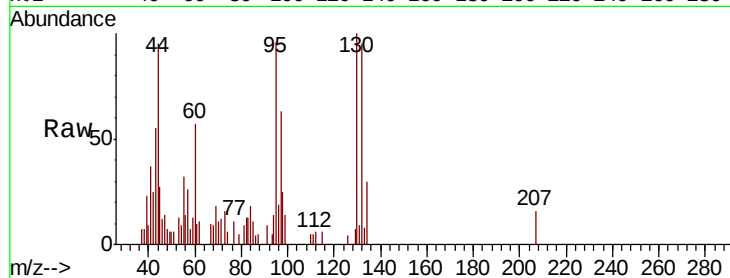
Ion Ratio Lower Upper

95 100

97 65.7 42.8 79.4

132 98.7 67.6 125.6

130 104.3 69.6 129.2



#35

Methylcyclohexane

Concen: 0.472 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. 0.00 min

Lab File: VV007471.D

Acq: 12 Sep 2018 11:47

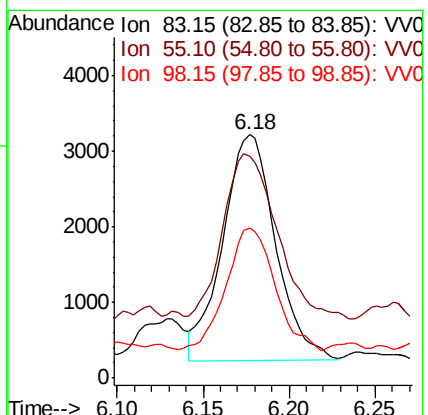
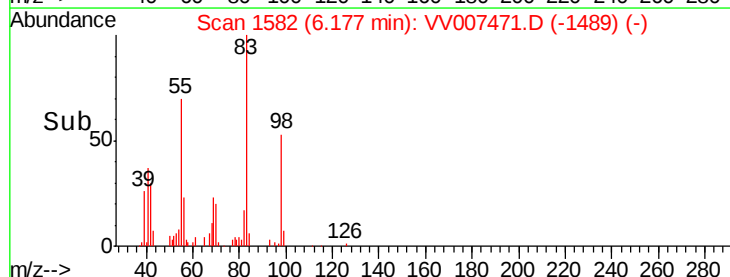
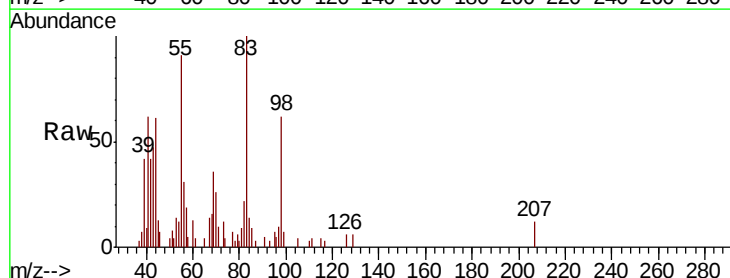
Tgt Ion: 83 Resp: 6379

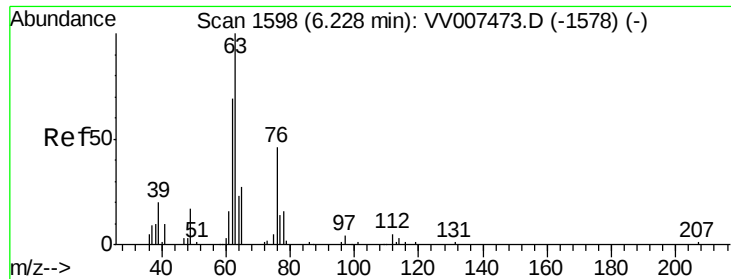
Ion Ratio Lower Upper

83 100

55 74.9 57.4 86.0

98 50.4 38.8 58.2





#37

1,2-Dichloropropane

Concen: 0.484 ug/L

RT: 6.23 min Scan# 1597

Delta R.T. -0.00 min

Lab File: VV007471.D

Acq: 12 Sep 2018 11:47

Instrument :

MSVOA_V

ClientSampleId :

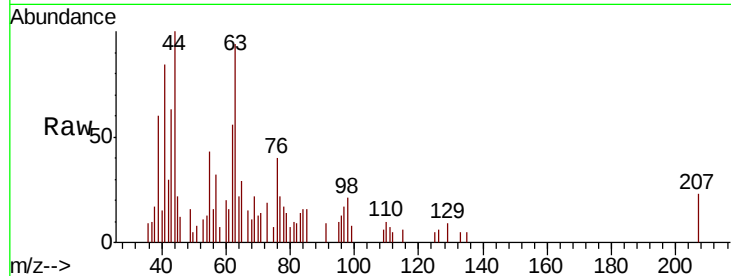
VSTD0.564

Tot Ion: 63 Resp: 3547

Ion Ratio Lower Upper

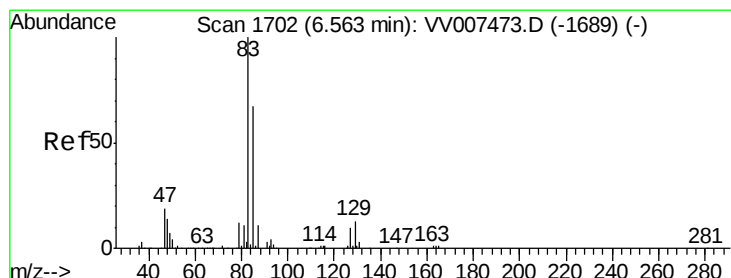
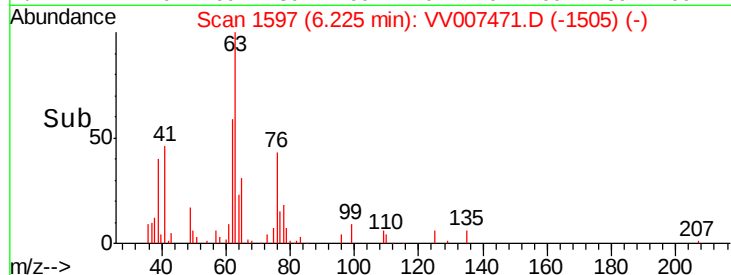
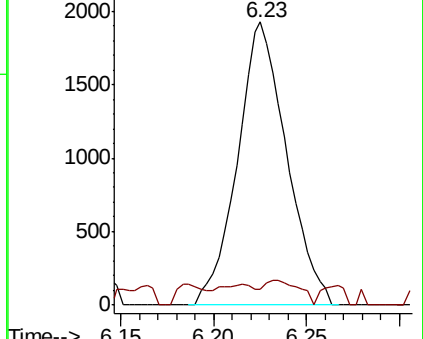
63 100

112 6.6 3.7 5.5#



Abundance Ion 63.10 (62.80 to 63.80): VV007471.D (-1597) (-)

Ion 112.10 (111.80 to 112.80): VV007471.D (-1597) (-)



#38

Bromodichloromethane

Concen: 0.494 ug/L

RT: 6.56 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VV007471.D

Acq: 12 Sep 2018 11:47

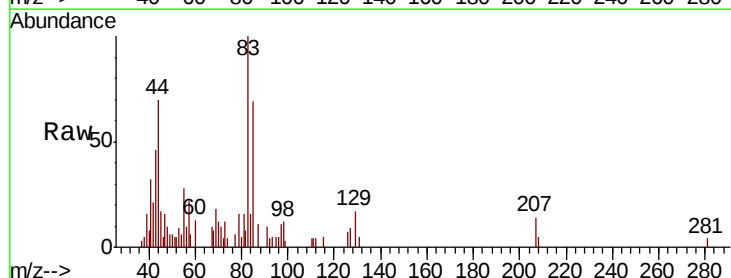
Tgt Ion: 83 Resp: 5119

Ion Ratio Lower Upper

83 100

85 68.9 47.0 87.2

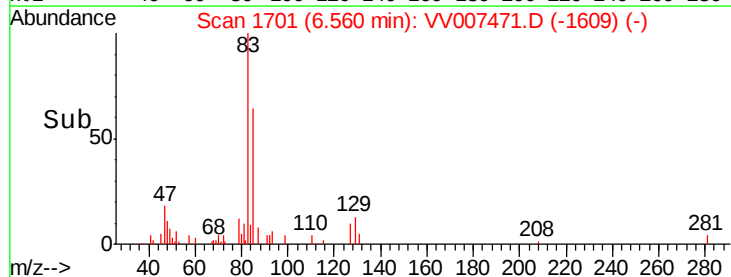
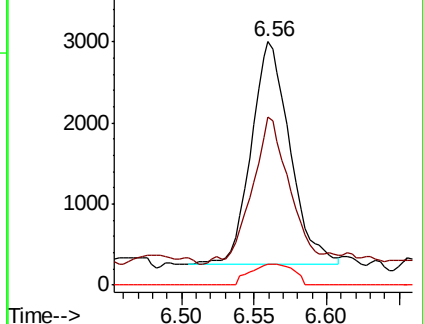
127 8.6 7.8 11.6

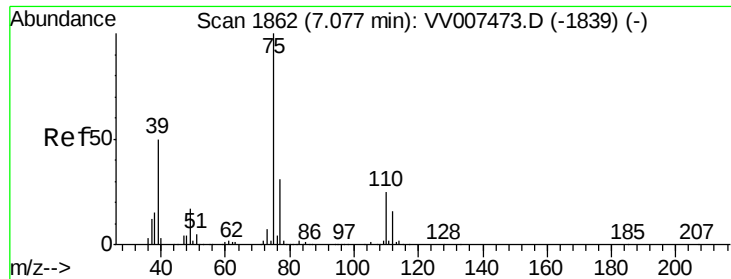


Abundance Ion 82.95 (82.65 to 83.65): VV007471.D (-1699) (-)

Ion 85.00 (84.70 to 85.70): VV007471.D (-1699) (-)

Ion 126.90 (126.60 to 127.60): VV007471.D (-1699) (-)

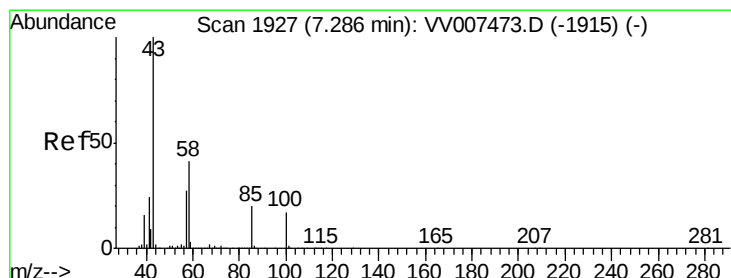
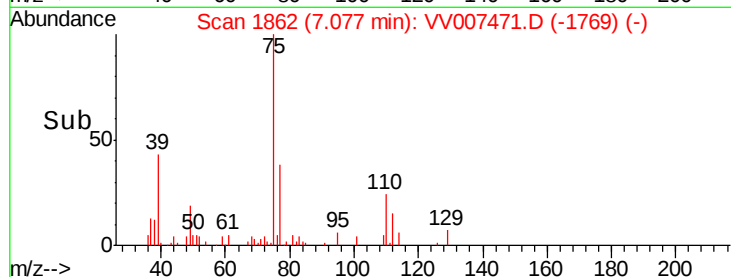
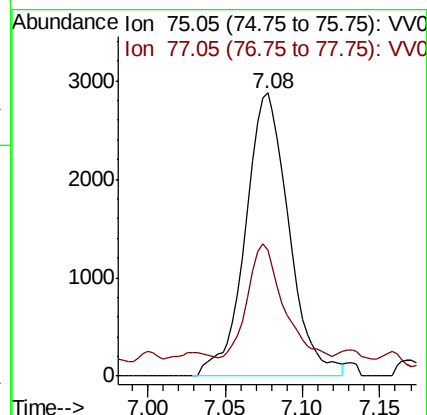
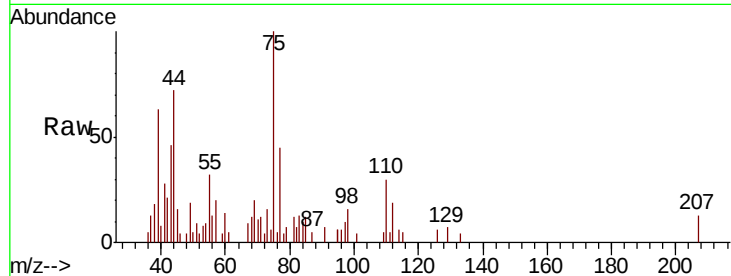




#39
 cis-1,3-Dichloropropene
 Concen: 0.479 ug/L
 RT: 7.08 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VV007471.D
 Acq: 12 Sep 2018 11:47

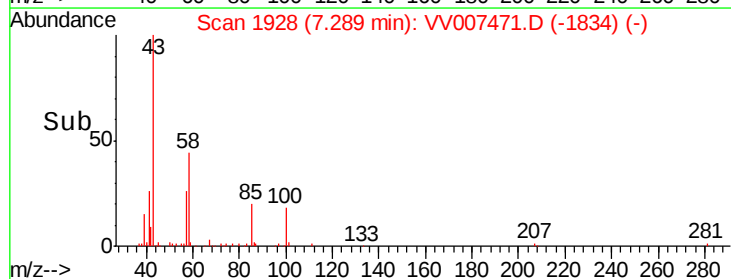
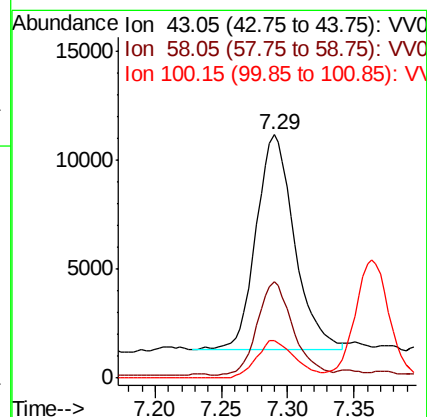
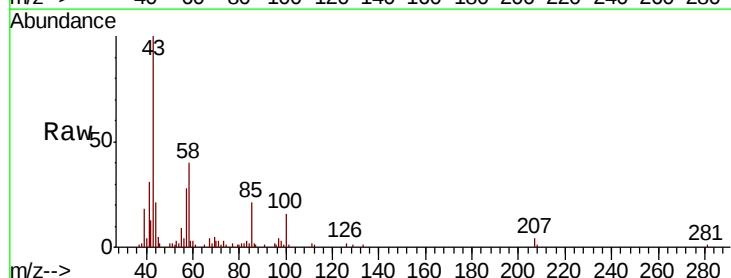
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.564

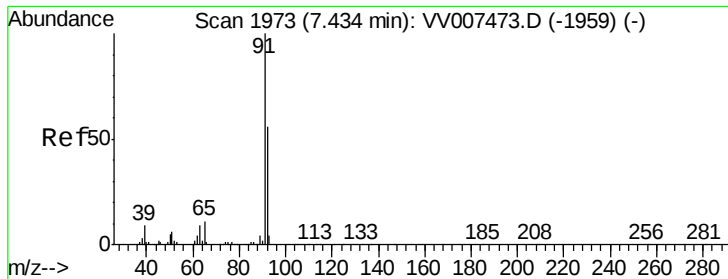
Tot Ion: 75 Resp: 5647
 Ion Ratio Lower Upper
 75 100
 77 44.6 22.7 42.1#



#40
 4-Methyl-2-pentanone
 Concen: 4.808 ug/L
 RT: 7.29 min Scan# 1928
 Delta R.T. 0.00 min
 Lab File: VV007471.D
 Acq: 12 Sep 2018 11:47

Tgt Ion: 43 Resp: 20047
 Ion Ratio Lower Upper
 43 100
 58 39.6 32.2 48.2
 100 17.6 13.6 20.4





#42

Toluene

Concen: 0.483 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV007471.D

Acq: 12 Sep 2018 11:47

Instrument :

MSVOA_V

ClientSampleId :

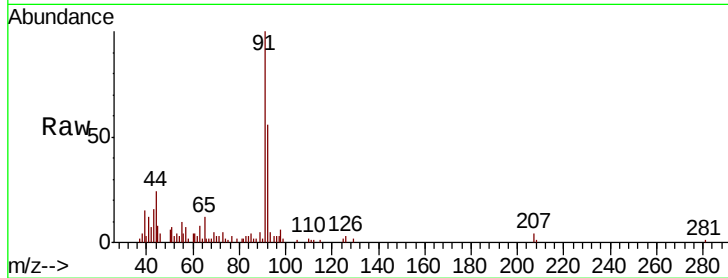
VSTD0.564

Tot Ion: 91 Resp: 15452

Ion Ratio Lower Upper

91 100

92 55.9 38.9 72.2



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

7.43

10000

8000

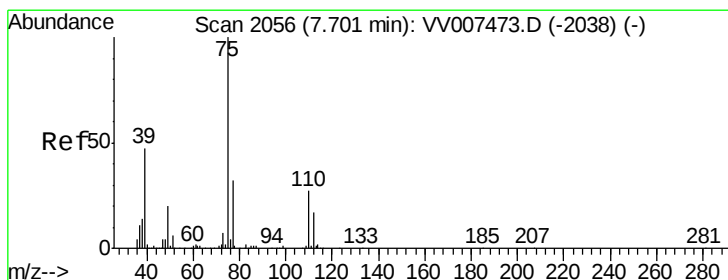
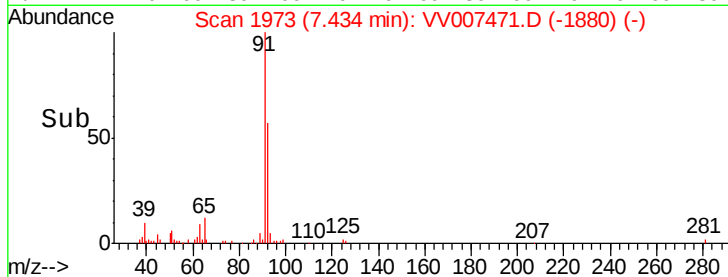
6000

4000

2000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.456 ug/L

RT: 7.70 min Scan# 2056

Delta R.T. 0.00 min

Lab File: VV007471.D

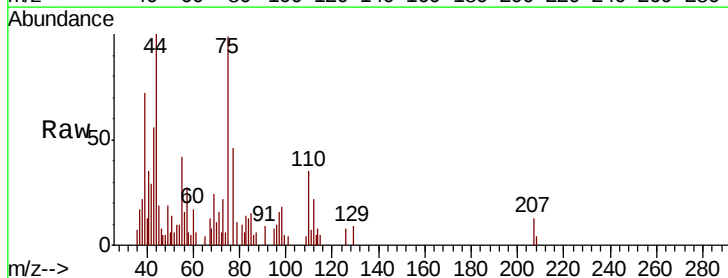
Acq: 12 Sep 2018 11:47

Tgt Ion: 75 Resp: 4506

Ion Ratio Lower Upper

75 100

77 45.9 23.0 42.8#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.70

2500

2000

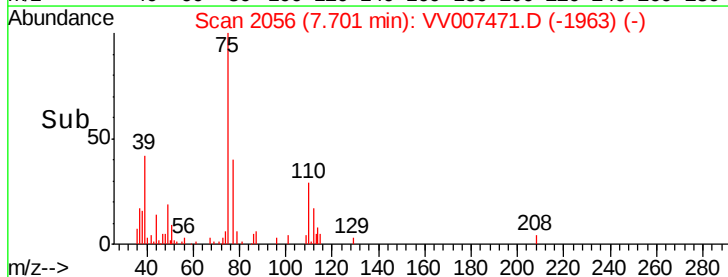
1500

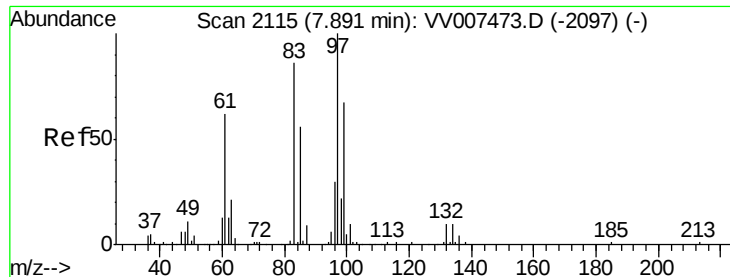
1000

500

0

Time-->

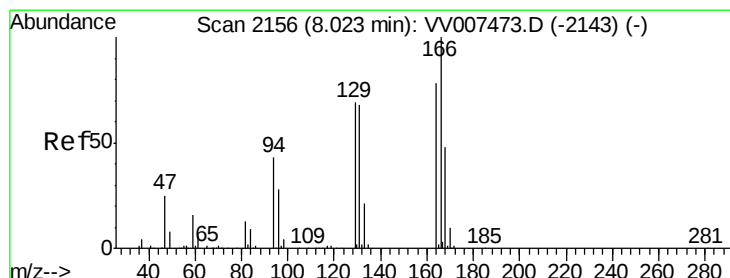
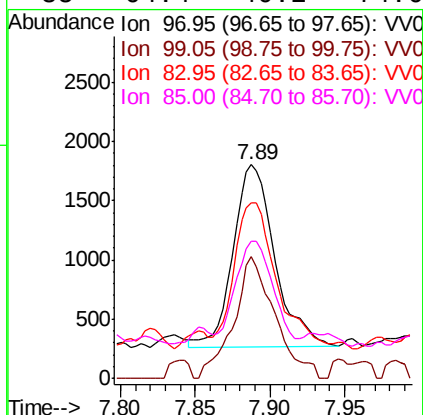
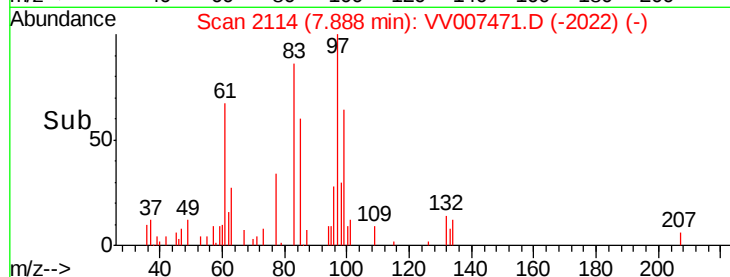
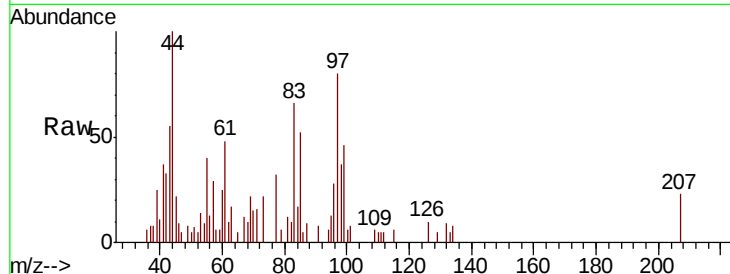




#45
 1,1,2-Trichloroethane
 Concen: 0.536 ug/L
 RT: 7.89 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VV007471.D
 Acq: 12 Sep 2018 11:47

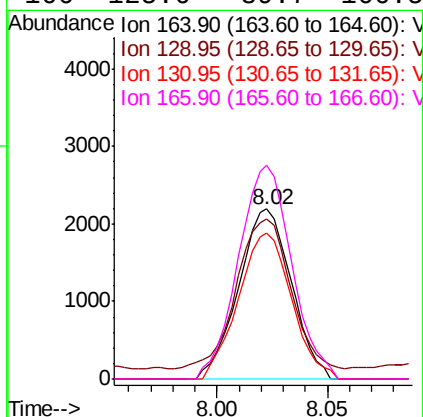
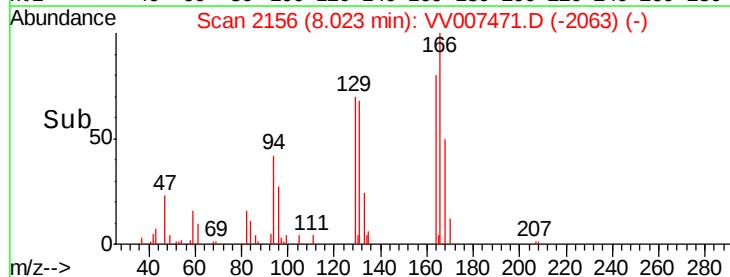
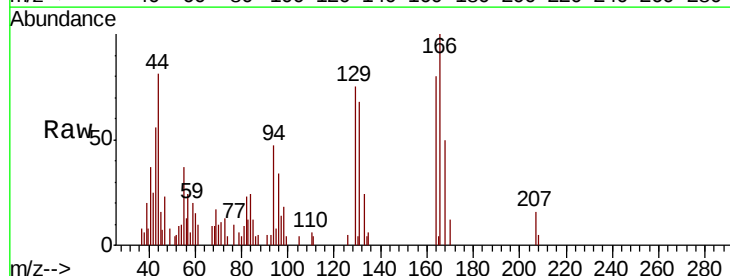
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.564

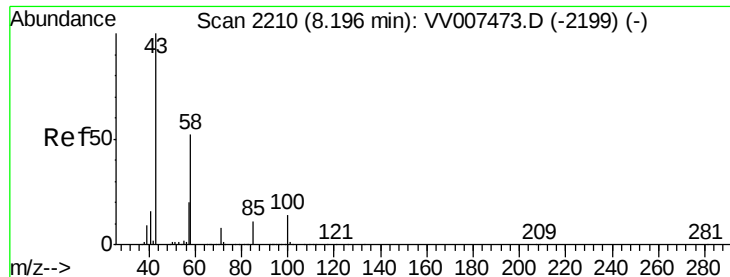
Tot Ion:	97	Resp:	2971
Ion	Ratio	Lower	Upper
97	100		
99	57.2	46.2	85.8
83	82.3	60.5	112.3
85	64.4	40.2	74.6



#47
 Tetrachloroethene
 Concen: 0.488 ug/L
 RT: 8.02 min Scan# 2156
 Delta R.T. 0.00 min
 Lab File: VV007471.D
 Acq: 12 Sep 2018 11:47

Tgt Ion:	164	Resp:	3638
Ion	Ratio	Lower	Upper
164	100		
129	94.4	62.7	116.5
131	86.0	60.5	112.5
166	125.6	89.7	166.5

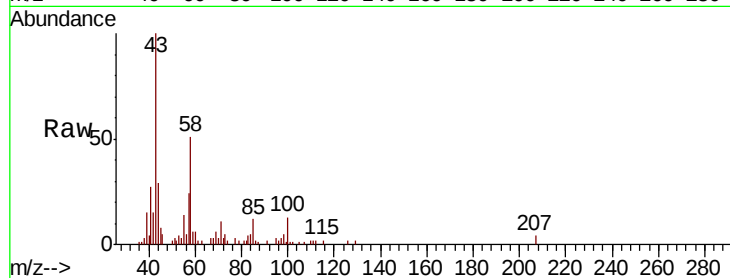




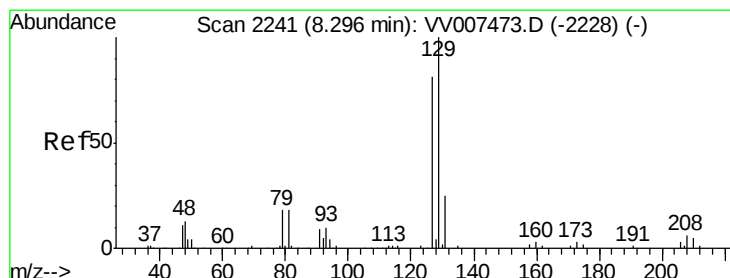
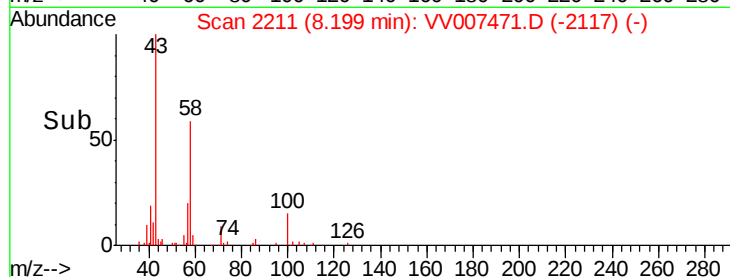
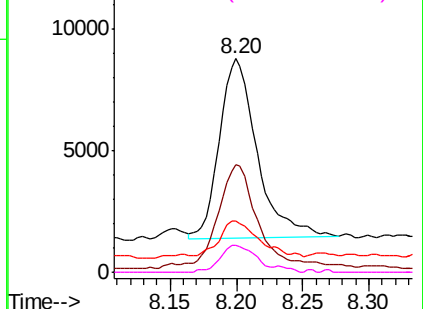
#48
2-Hexanone
Concen: 4.775 ug/L
RT: 8.20 min Scan# 2211
Delta R.T. 0.00 min
Lab File: VV007471.D
Acq: 12 Sep 2018 11:47

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.564

Tot Ion:	43	Resp:	14491
Ion	Ratio	Lower	Upper
43	100		
58	63.0	47.9	71.9
57	20.3	16.2	24.2
100	13.9	11.0	16.4

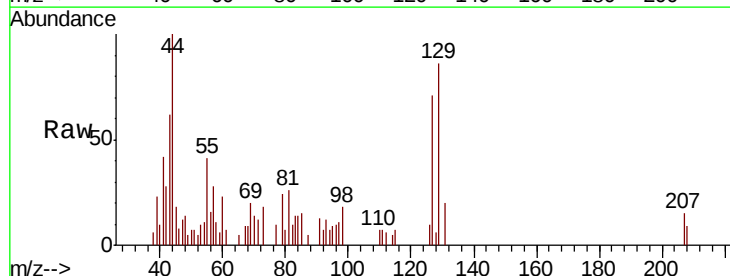


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

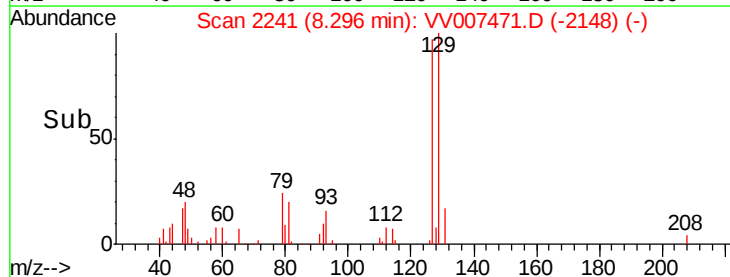
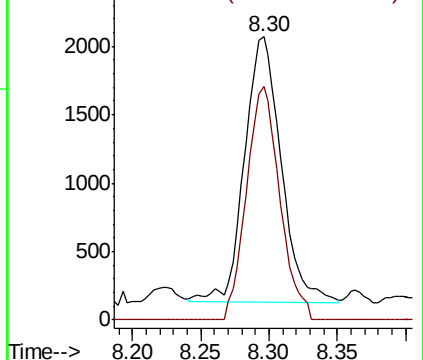


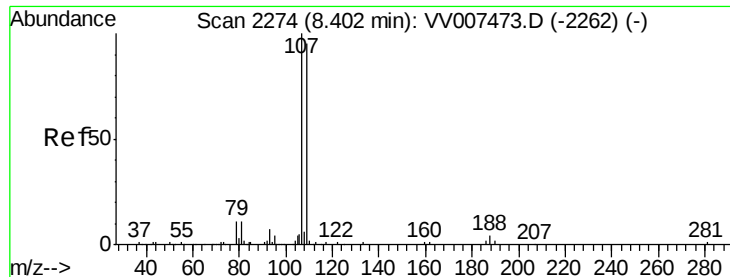
#49
Dibromochloromethane
Concen: 0.473 ug/L
RT: 8.30 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VV007471.D
Acq: 12 Sep 2018 11:47

Tgt Ion:	129	Resp:	3624
Ion	Ratio	Lower	Upper
129	100		
127	82.7	56.3	104.5



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

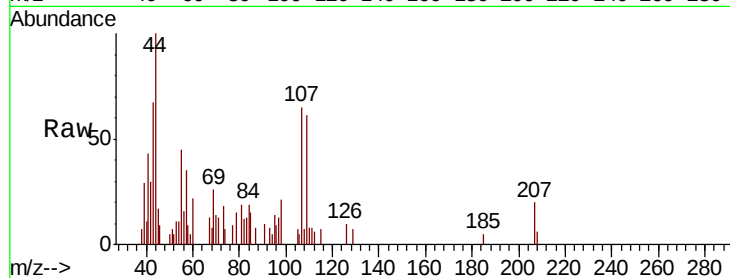




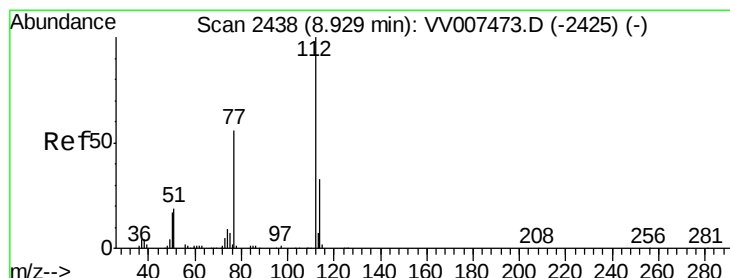
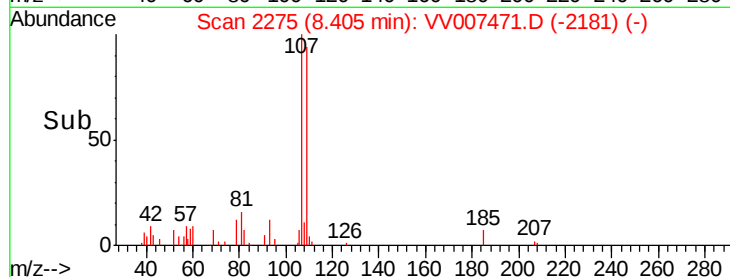
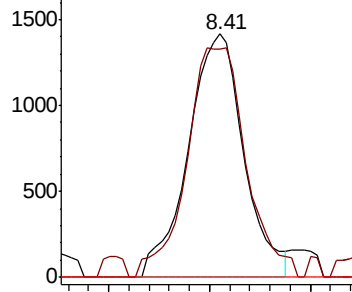
#50
 1,2-Dibromoethane
 Concen: 0.503 ug/L
 RT: 8.41 min Scan# 2275
 Delta R.T. 0.00 min
 Lab File: VV007471.D
 Acq: 12 Sep 2018 11:47

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.564

Tot Ion:107 Resp: 2723
 Ion Ratio Lower Upper
 107 100
 109 94.0 67.1 124.5
 188 0.0 3.2 4.8#

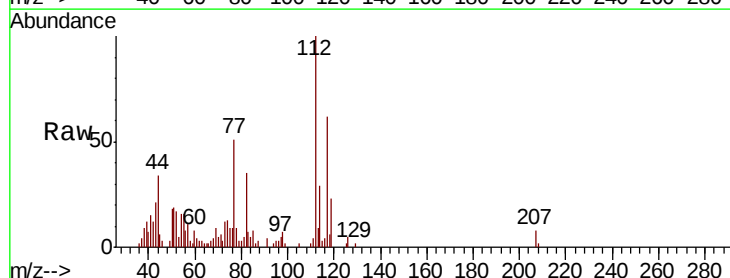


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

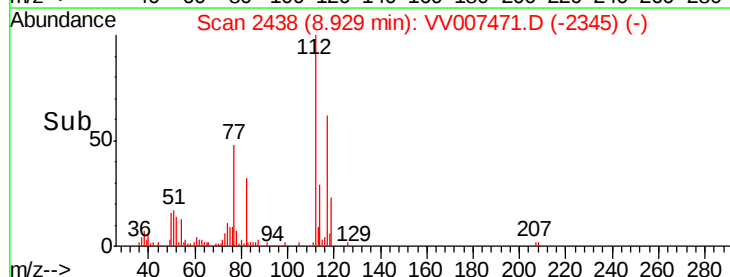
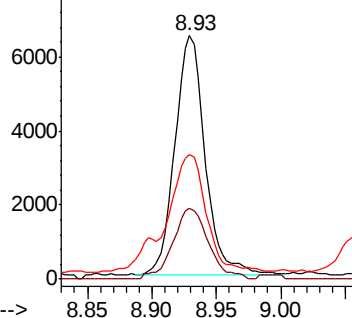


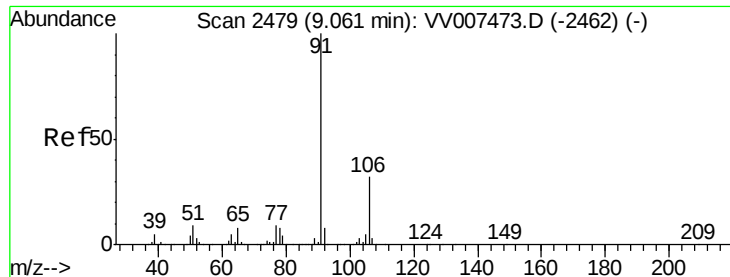
#51
 Chlorobenzene
 Concen: 0.482 ug/L
 RT: 8.93 min Scan# 2438
 Delta R.T. 0.00 min
 Lab File: VV007471.D
 Acq: 12 Sep 2018 11:47

Tgt Ion:112 Resp: 10482
 Ion Ratio Lower Upper
 112 100
 114 29.1 22.8 42.4
 77 51.0 45.4 68.0



Abundance Ion 112.10 (111.80 to 112.80): V
 Ion 114.05 (113.75 to 114.75): V
 Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 0.481 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. -0.00 min

Lab File: VV007471.D

Acq: 12 Sep 2018 11:47

Instrument :

MSVOA_V

ClientSampleId :

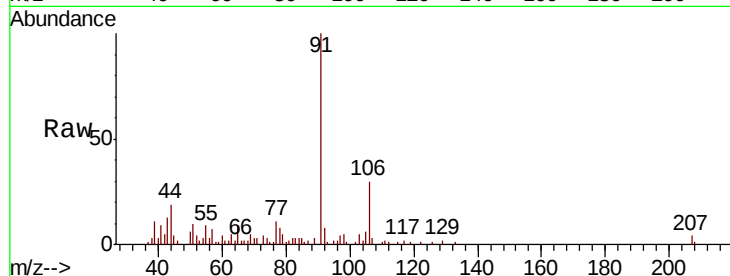
VSTD0.564

Tot Ion: 91 Resp: 17534

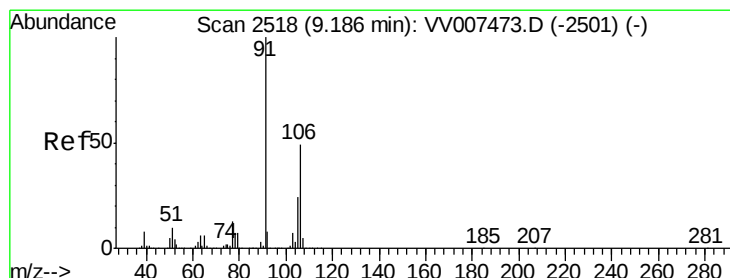
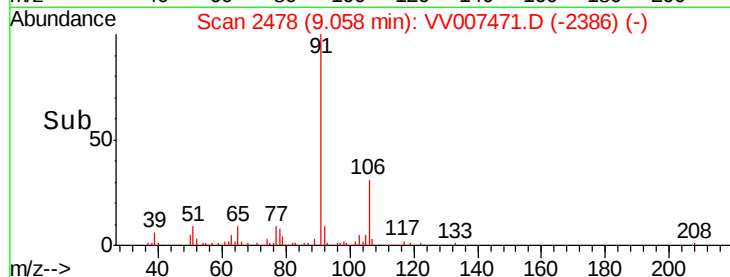
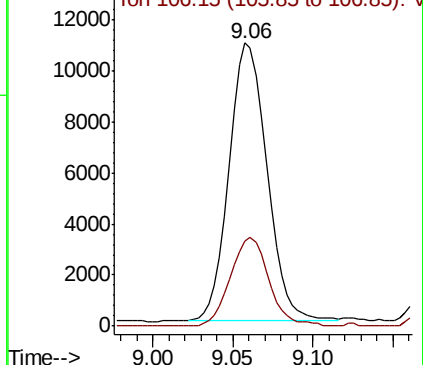
Ion Ratio Lower Upper

91 100

106 30.1 22.7 42.1



Abundance Ion 91.15 (90.85 to 91.85): VV007471.D (-2462) (-)



#53

m,p-xylene

Concen: 0.485 ug/L

RT: 9.19 min Scan# 2518

Delta R.T. 0.00 min

Lab File: VV007471.D

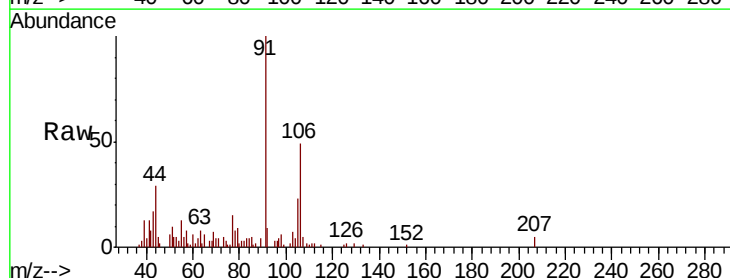
Acq: 12 Sep 2018 11:47

Tgt Ion: 106 Resp: 6882

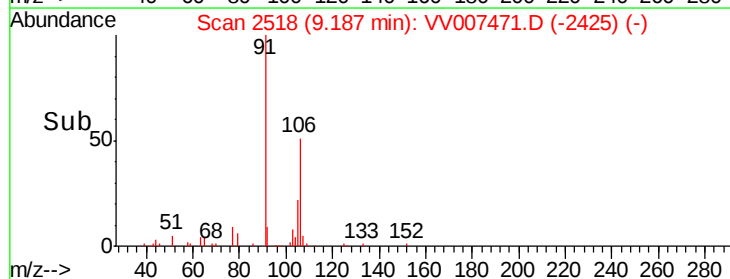
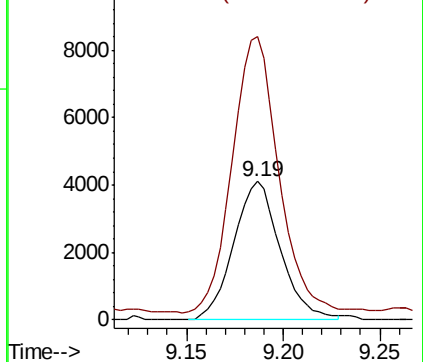
Ion Ratio Lower Upper

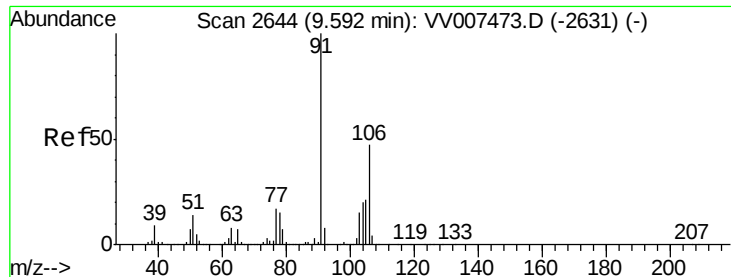
106 100

91 204.9 142.3 264.3



Abundance Ion 106.15 (105.85 to 106.85): VV007471.D (-2501) (-)





#54

o-xylene

Concen: 0.485 ug/L

RT: 9.59 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VV007471.D

Acq: 12 Sep 2018 11:47

Instrument :

MSVOA_V

ClientSampleId :

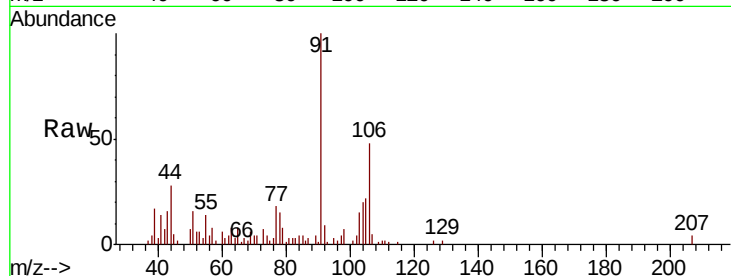
VSTD0.564

Tot Ion:106 Resp: 6722

Ion Ratio Lower Upper

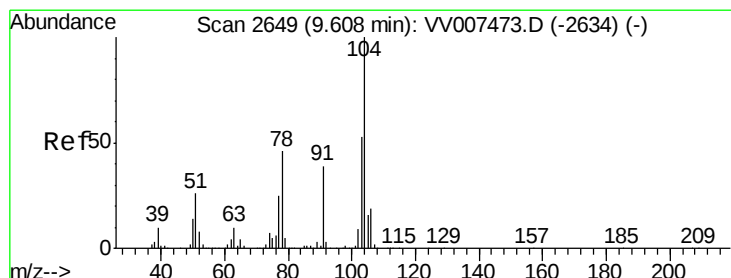
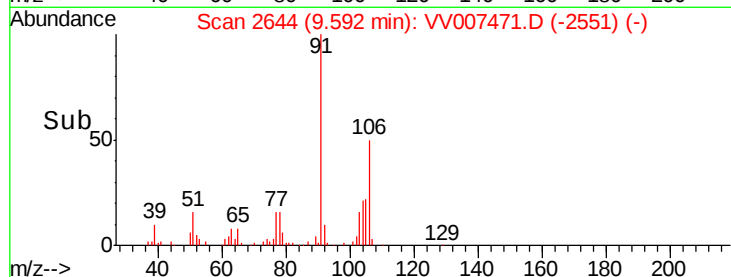
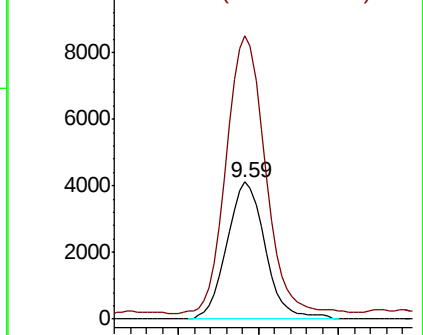
106 100

91 206.4 149.9 278.3



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 0.469 ug/L

RT: 9.61 min Scan# 2649

Delta R.T. 0.00 min

Lab File: VV007471.D

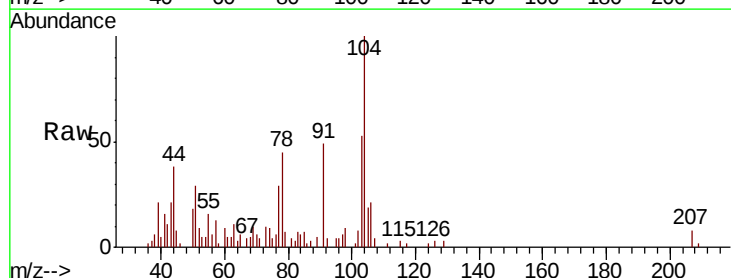
Acq: 12 Sep 2018 11:47

Tgt Ion:104 Resp: 10643

Ion Ratio Lower Upper

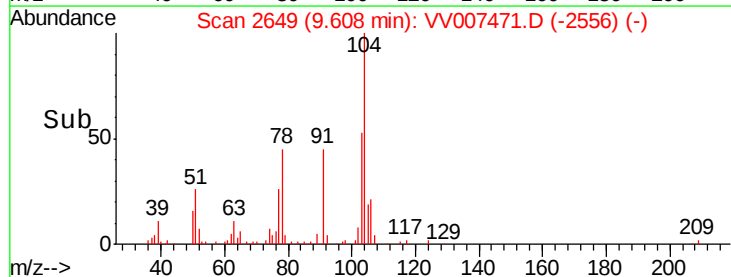
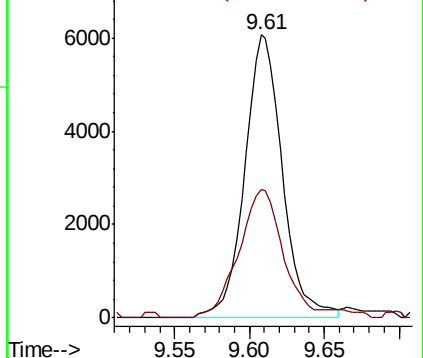
104 100

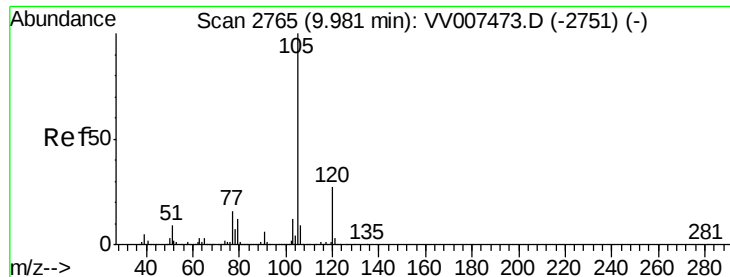
78 45.3 32.4 60.2



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 0.472 ug/L

RT: 9.98 min Scan# 2765

Delta R.T. 0.00 min

Lab File: VV007471.D

Acq: 12 Sep 2018 11:47

Instrument :

MSVOA_V

ClientSampled :

VSTD0.564

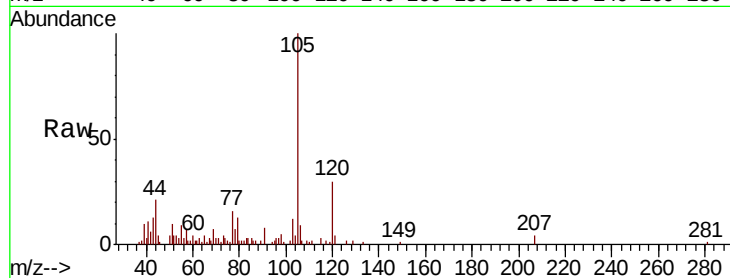
Tot Ion:105 Resp: 17617

Ion Ratio Lower Upper

105 100

120 28.8 21.8 32.8

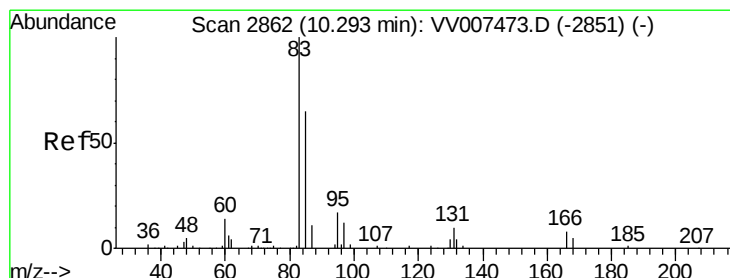
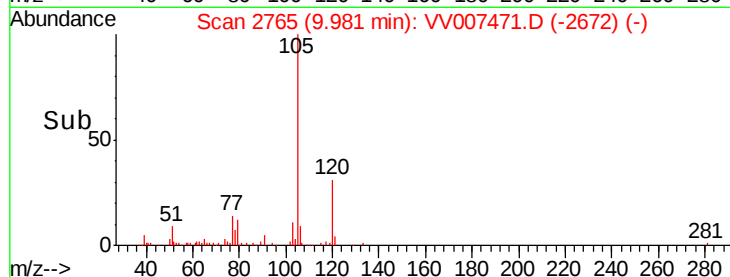
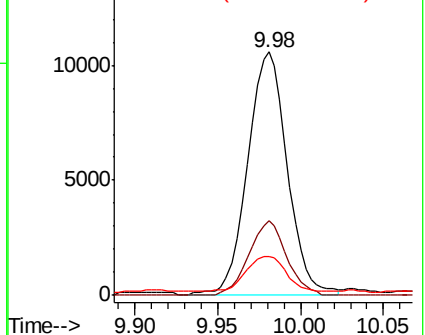
77 15.4 12.6 18.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 0.494 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VV007471.D

Acq: 12 Sep 2018 11:47

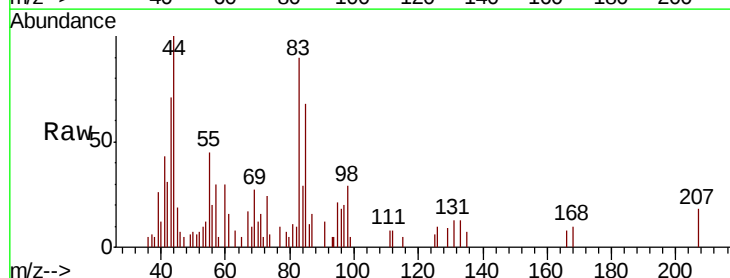
Tgt Ion: 83 Resp: 3001

Ion Ratio Lower Upper

83 100

85 75.0 48.2 89.4

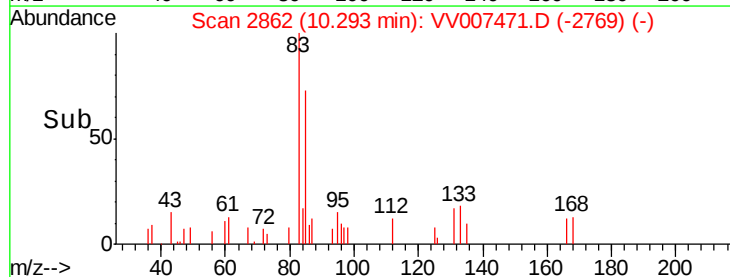
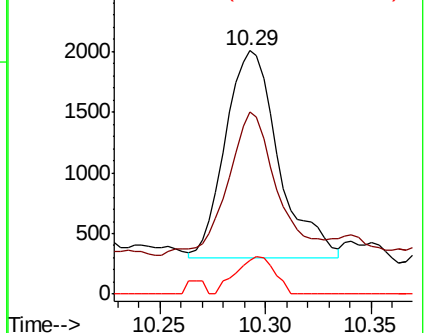
131 13.9 8.9 13.3#

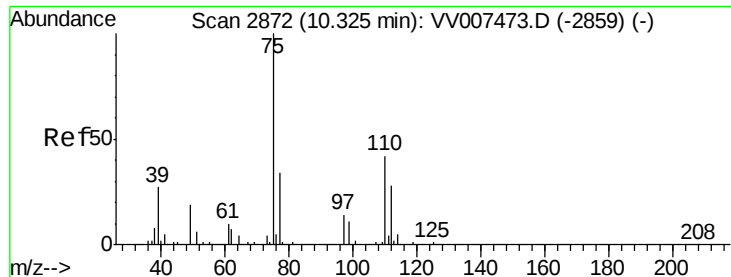


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 0.488 ug/L

RT: 10.32 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VV007471.D

Acq: 12 Sep 2018 11:47

Instrument :

MSVOA_V

ClientSampleId :

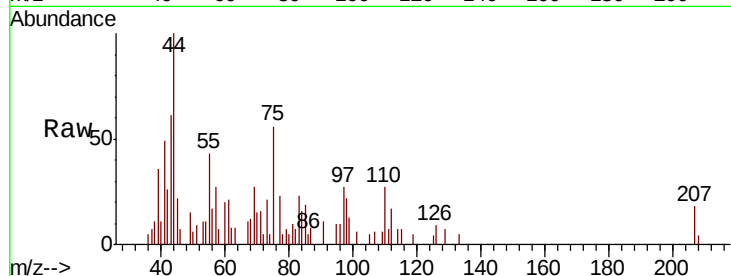
VSTD0.564

Tot Ion: 75 Resp: 2276

Ion Ratio Lower Upper

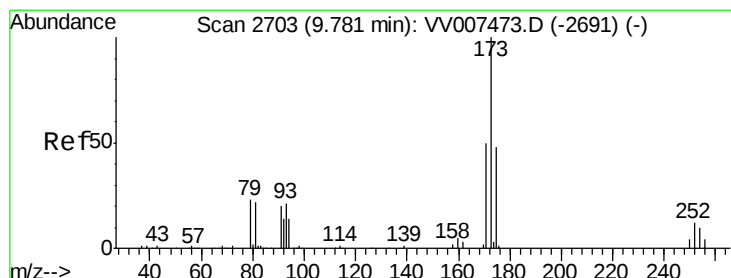
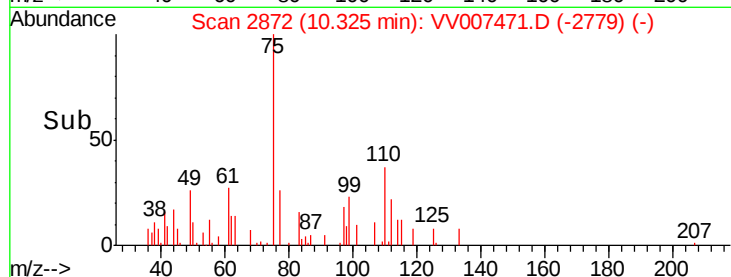
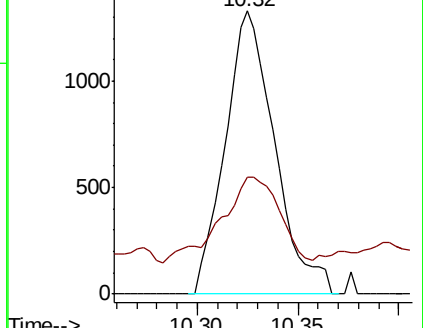
75 100

77 35.3 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VV007473.D (-2859) (-)

Ion 77.00 (76.70 to 77.70): VV007473.D (-2859) (-)



#61

Bromoform

Concen: 0.473 ug/L

RT: 9.78 min Scan# 2703

Delta R.T. 0.00 min

Lab File: VV007471.D

Acq: 12 Sep 2018 11:47

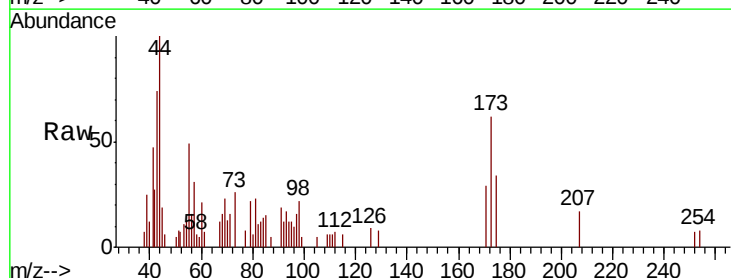
Tgt Ion: 173 Resp: 2265

Ion Ratio Lower Upper

173 100

175 51.7 40.5 60.7

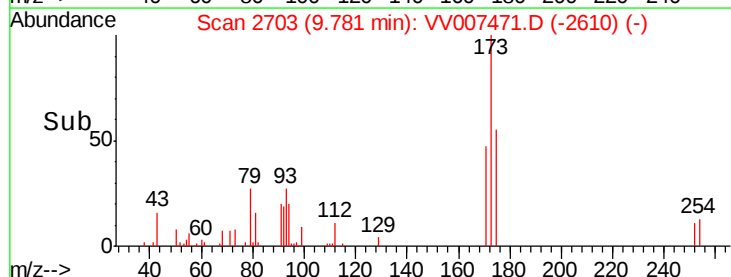
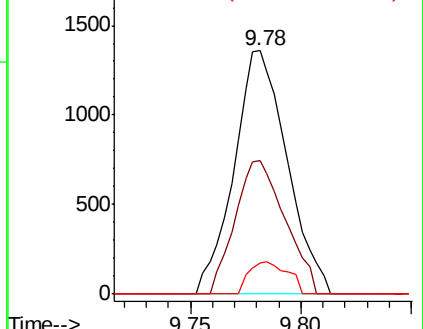
254 9.7 9.2 13.8

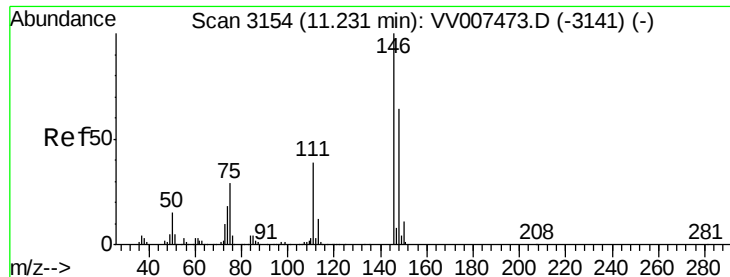


Abundance Ion 172.90 (172.60 to 173.60): VV007473.D (-2691) (-)

Ion 174.90 (174.60 to 175.60): VV007473.D (-2691) (-)

Ion 253.75 (253.45 to 254.45): VV007473.D (-2691) (-)





#62

1,3-Dichlorobenzene

Concen: 0.489 ug/L

RT: 11.23 min Scan# 3154

Delta R.T. 0.00 min

Lab File: VV007471.D

Acq: 12 Sep 2018 11:47

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.564

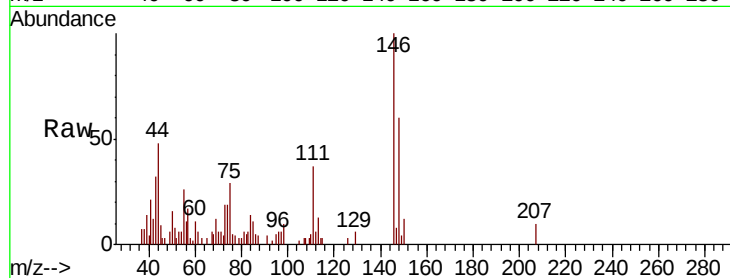
Tot Ion:146 Resp: 8584

Ion Ratio Lower Upper

146 100

111 37.4 27.4 51.0

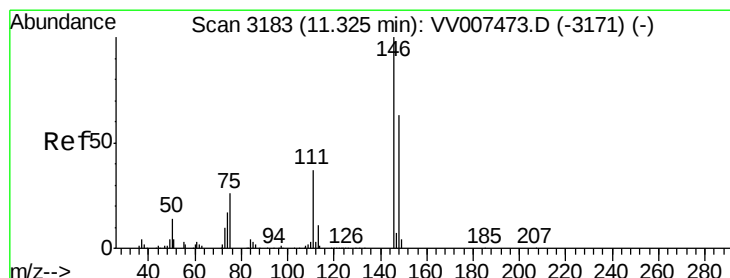
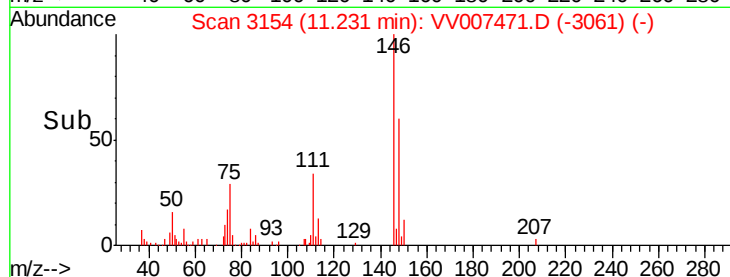
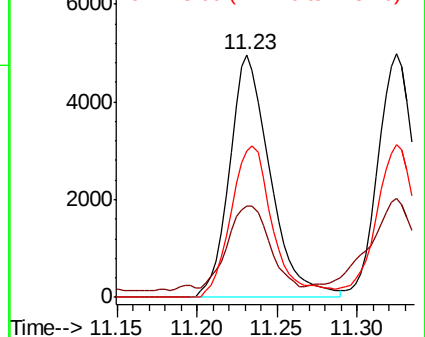
148 60.1 45.1 83.7



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 0.477 ug/L

RT: 11.32 min Scan# 3183

Delta R.T. 0.00 min

Lab File: VV007471.D

Acq: 12 Sep 2018 11:47

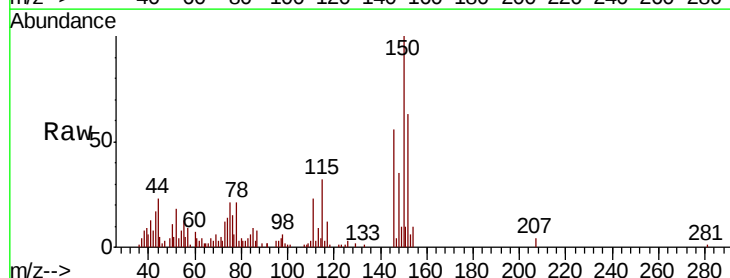
Tgt Ion:146 Resp: 8340

Ion Ratio Lower Upper

146 100

111 40.6 26.6 49.4

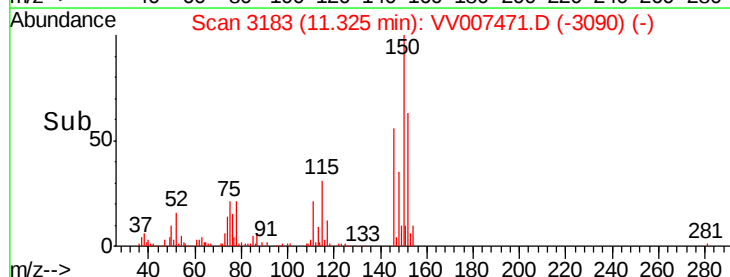
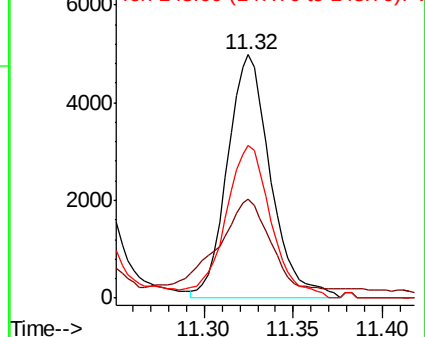
148 63.0 44.2 82.2

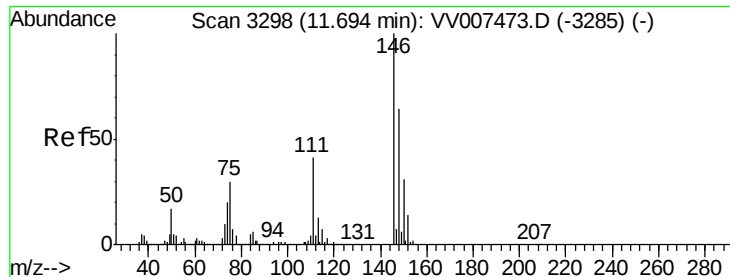


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 0.492 ug/L

RT: 11.69 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VV007471.D

Acq: 12 Sep 2018 11:47

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.564

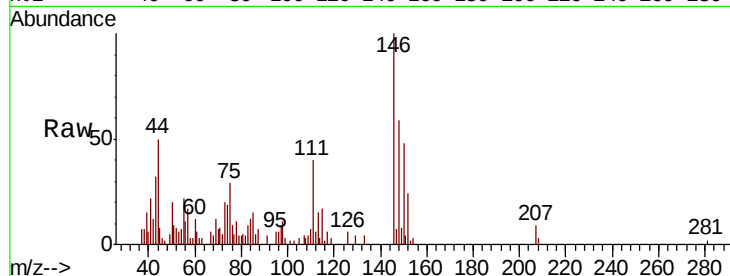
Tot Ion:146 Resp: 8122

Ion Ratio Lower Upper

146 100

111 40.4 33.0 49.4

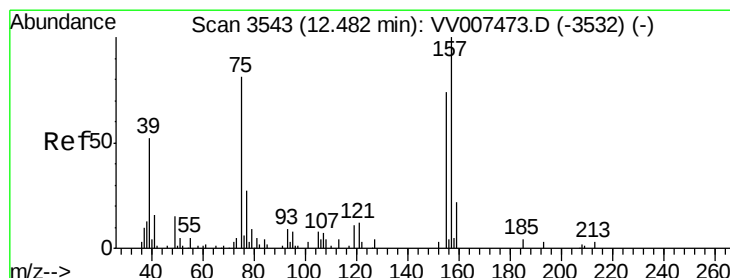
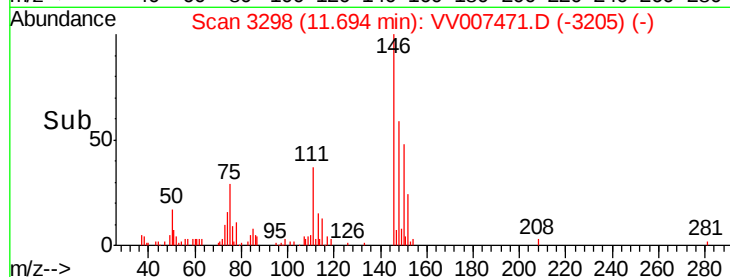
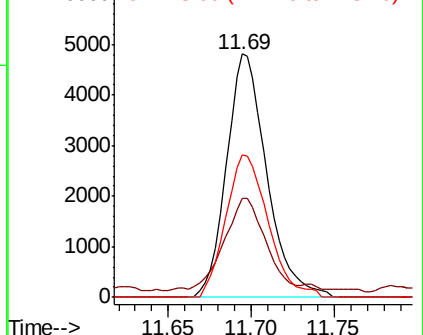
148 58.6 51.3 76.9



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 0.480 ug/L

RT: 12.49 min Scan# 3545

Delta R.T. 0.01 min

Lab File: VV007471.D

Acq: 12 Sep 2018 11:47

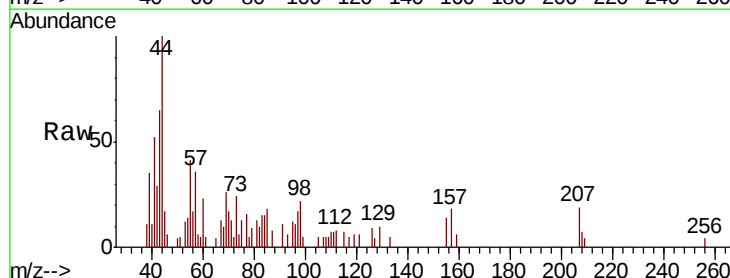
Tgt Ion: 75 Resp: 589

Ion Ratio Lower Upper

75 100

155 108.2 73.3 109.9

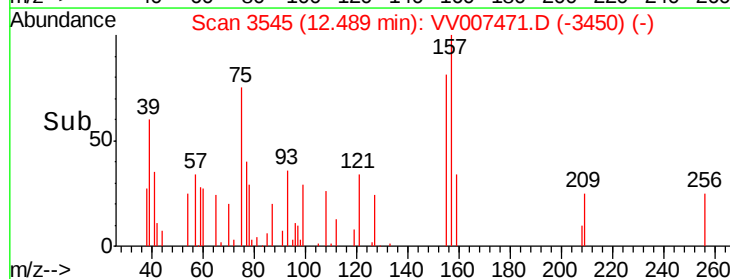
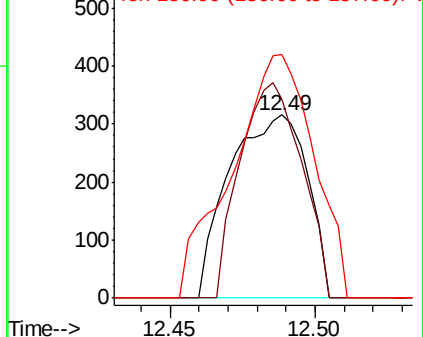
157 132.9 99.4 149.0

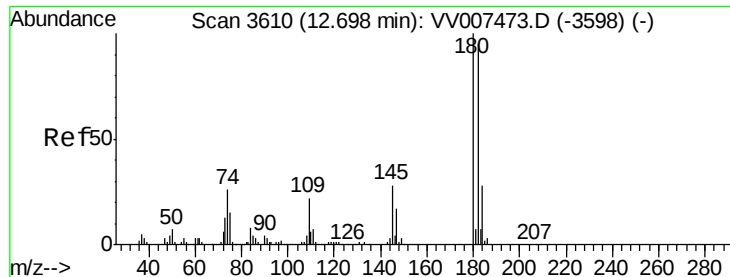


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

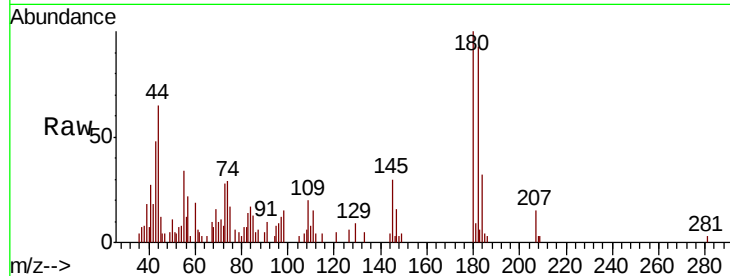




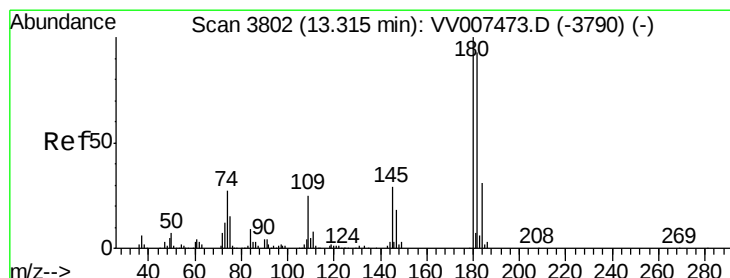
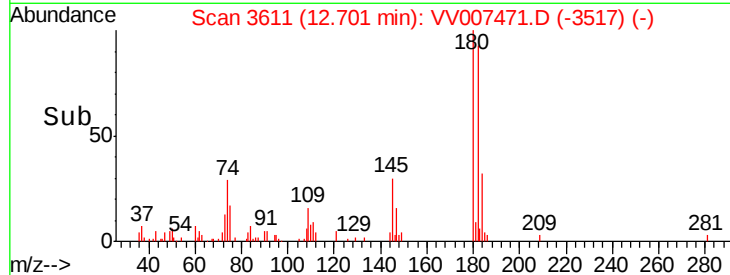
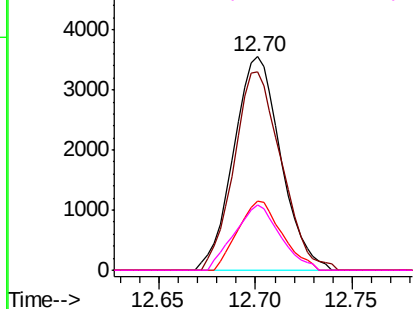
#67
 1,3,5-Trichlorobenzene
 Concen: 0.447 ug/L
 RT: 12.70 min Scan# 3611
 Delta R.T. 0.00 min
 Lab File: VV007471.D
 Acq: 12 Sep 2018 11:47

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.564

Tot Ion:180 Resp: 6023
 Ion Ratio Lower Upper
 180 100
 182 92.8 75.4 113.2
 184 30.3 23.8 35.8
 145 29.7 23.0 34.4

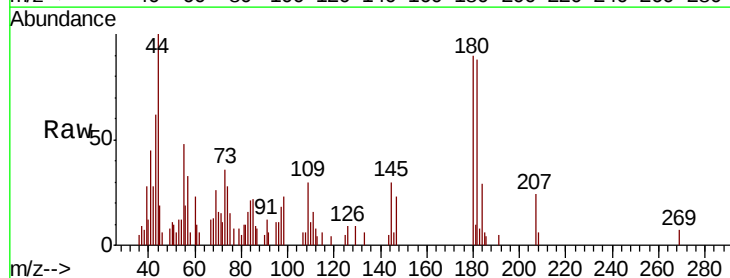


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

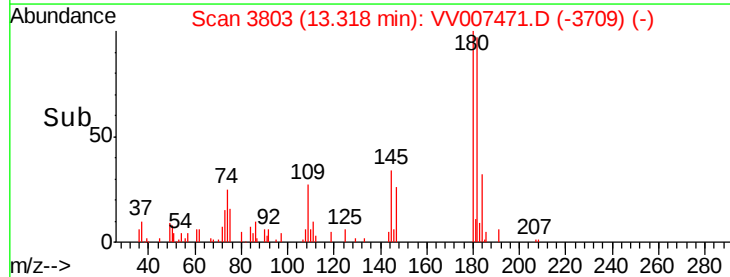
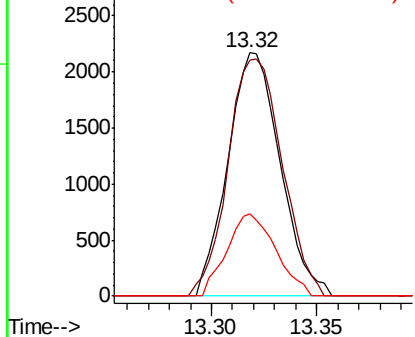


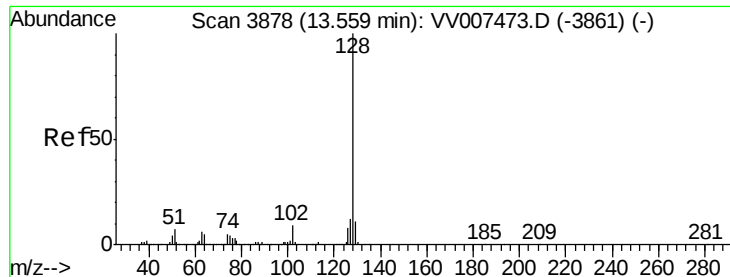
#68
 1,2,4-trichlorobenzene
 Concen: 0.367 ug/L
 RT: 13.32 min Scan# 3803
 Delta R.T. 0.00 min
 Lab File: VV007471.D
 Acq: 12 Sep 2018 11:47

Tgt Ion:180 Resp: 3745
 Ion Ratio Lower Upper
 180 100
 182 101.0 76.6 114.8
 145 31.5 23.3 34.9



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 0.370 ug/L

RT: 13.56 min Scan# 3879

Delta R.T. 0.00 min

Lab File: VV007471.D

Acq: 12 Sep 2018 11:47

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.564

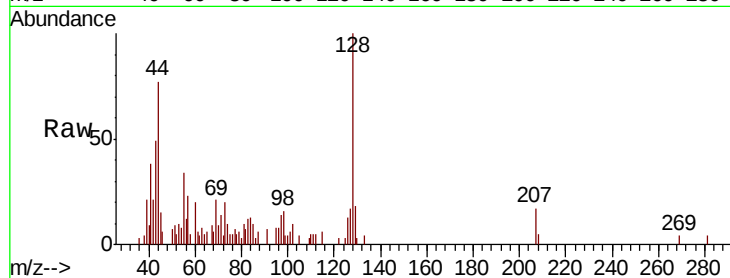
Tot Ion:128 Resp: 5879

Ion Ratio Lower Upper

128 100

129 16.3 8.7 13.1#

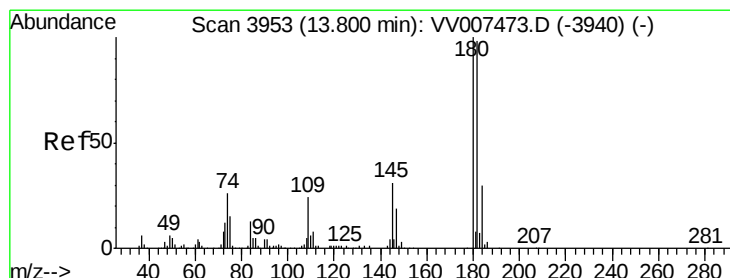
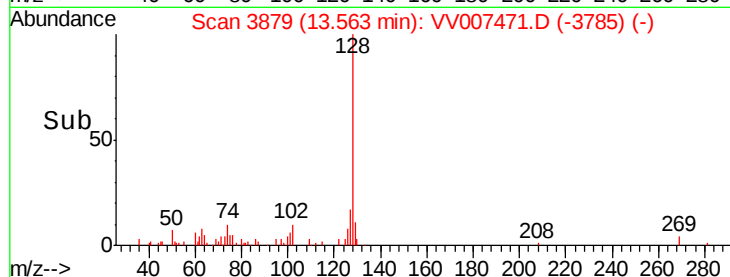
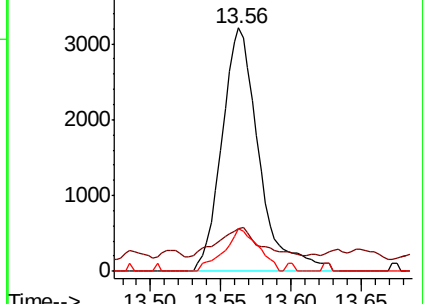
127 16.3 10.8 16.2#



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: 0.395 ug/L

RT: 13.80 min Scan# 3954

Delta R.T. 0.00 min

Lab File: VV007471.D

Acq: 12 Sep 2018 11:47

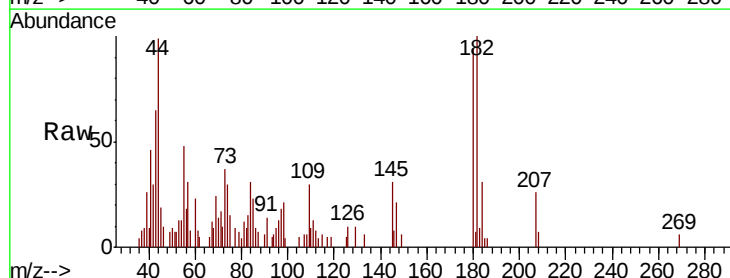
Tgt Ion:180 Resp: 3787

Ion Ratio Lower Upper

180 100

182 102.5 76.4 114.6

145 35.1 25.1 37.7



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

