

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081018\
 Data File : VV006995.D
 Acq On : 10 Aug 2018 20:28
 Operator : SY/MD
 Sample : MDL06
 Misc : 25 mL/MSVOA V/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL06

Manual Integrations
 APPROVED

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 8/13/2018 5:35:23 PM

Quant Time: Aug 13 09:13:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR080918WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Aug 11 00:19:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	242846	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	237782	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	95156	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	64343	4.10	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.00%
7) Chloroethane-d5	1.58	69	60413	4.54	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.80%
11) 1,1-Dichloroethene-d2	2.13	63	88927	3.02	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	60.40%
20) 2-Butanone-d5	3.97	46	250242	55.51	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.02%
24) Chloroform-d	4.40	84	153410	4.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.40%
26) 1,2-Dichloroethane-d4	5.09	65	82973	5.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.40%
32) Benzene-d6	5.10	84	280212	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.80%
36) 1,2-Dichloropropane-d6	6.12	67	100050	4.79	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.80%
41) Toluene-d8	7.37	98	209277	4.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.60%
43) trans-1,3-Dichloropropene-	7.67	79	30446	4.19	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.80%
46) 2-Hexanone-d5	8.15	63	130569	43.95	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.90%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	80599	4.95	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.00%
64) 1,2-Dichlorobenzene-d4	11.68	152	81986	4.95	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	5053	0.21 ug/L	95
3) Chloromethane	1.25	50	5110	0.22 ug/L	96
5) Vinyl chloride	1.32	62	4875	0.21 ug/L #	65
6) Bromomethane	1.53	94	1366	0.27 ug/L	79
8) Chloroethane	1.60	64	3200	0.22 ug/L	86
9) Trichlorofluoromethane	1.77	101	6307	0.21 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	4278	0.24 ug/L	91
12) 1,1-Dichloroethene	2.14	96	4680	0.27 ug/L #	1
13) Acetone	2.20	43	6641	2.86 ug/L	99
14) Carbon disulfide	2.32	76	11485	0.20 ug/L #	87
15) Methyl Acetate	2.47	43	1613	0.25 ug/L #	85
16) Methylene chloride	2.54	84	6169	0.29 ug/L	98
17) Methyl tert-butyl Ether	2.82	73	8738	0.21 ug/L	93
18) trans-1,2-Dichloroethene	2.79	96	4090	0.22 ug/L	93
19) 1,1-Dichloroethane	3.23	63	6828	0.20 ug/L	94
21) 2-Butanone	4.06	43	13691	2.72 ug/L	90
22) cis-1,2-Dichloroethene	3.97	96	5109	0.24 ug/L	84

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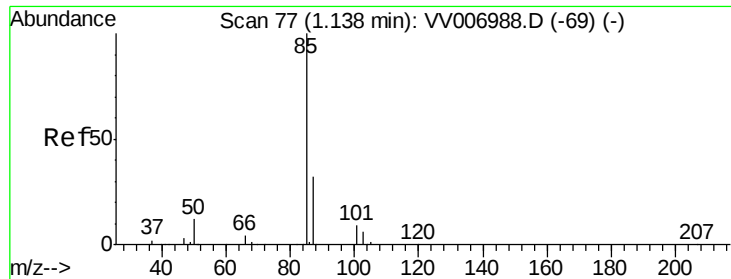
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR080918WMA.M
 Quant Title : TRACE VOA SOM01.0
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	1788	0.21	ug/L	85
25) Chloroform	4.43	83	8999	0.24	ug/L	94
27) 1,2-Dichloroethane	5.19	62	5145	0.22	ug/L	98
29) 1,1,1-Trichloroethane	4.66	97	6488	0.20	ug/L	98
30) Cyclohexane	4.73	56	6003	0.18	ug/L	96
31) Carbon tetrachloride	4.87	117	5027	0.19	ug/L	90
33) Benzene	5.16	78	17094	0.21	ug/L	100
34) Trichloroethene	5.96	95	3986	0.20	ug/L	93
35) Methylcyclohexane	6.18	83	5323	0.17	ug/L	97
37) 1,2-Dichloropropane	6.23	63	4493	0.20	ug/L	98
38) Bromodichloromethane	6.57	83	5087	0.20	ug/L	99
39) cis-1,3-Dichloropropene	7.08	75	4702	0.17	ug/L	93
40) 4-Methyl-2-pentanone	7.29	43	20613	1.69	ug/L #	89
42) Toluene	7.44	91	13933	0.18	ug/L	100
44) trans-1,3-Dichloropropene	7.70	75	4084m	0.18	ug/L	
45) 1,1,2-Trichloroethane	7.89	97	3386	0.23	ug/L	92
47) Tetrachloroethene	8.03	164	3224	0.20	ug/L	94
48) 2-Hexanone	8.20	43	36179	4.21	ug/L	94
49) Dibromochloromethane	8.30	129	3193	0.21	ug/L	95
50) 1,2-Dibromoethane	8.40	107	2606	0.21	ug/L #	95
51) Chlorobenzene	8.93	112	9572	0.19	ug/L	90
52) Ethylbenzene	9.06	91	13967	0.18	ug/L	95
53) m,p-xylene	9.19	106	4729	0.16	ug/L	75
54) o-xylene	9.59	106	4624	0.17	ug/L	87
55) Styrene	9.61	104	6900	0.15	ug/L	90
56) Isopropylbenzene	9.98	105	11710	0.16	ug/L	95
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	3986	0.22	ug/L #	92
59) 1,2,3-Trichloropropane	10.32	75	2399	0.19	ug/L #	62
61) Bromoform	9.78	173	1615	0.22	ug/L #	91
62) 1,3-Dichlorobenzene	11.23	146	6913	0.22	ug/L	94
63) 1,4-Dichlorobenzene	11.33	146	6890	0.22	ug/L	89
65) 1,2-Dichlorobenzene	11.70	146	6286	0.21	ug/L #	88
66) 1,2-Dibromo-3-chloropropan	12.49	75	503	0.23	ug/L #	73
67) 1,3,5-Trichlorobenzene	12.70	180	4445	0.19	ug/L	99
68) 1,2,4-trichlorobenzene	13.32	180	2514	0.15	ug/L	94
69) Naphthalene	13.57	128	3398	0.14	ug/L #	93
70) 1,2,3-Trichlorobenzene	13.80	180	2503	0.15	ug/L	88

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



#2

Dichlorodifluoromethane

Concen: 0.21 ug/L

RT: 1.14 min Scan# 77

Delta R.T. 0.00 min

Lab File: VV006995.D

Acq: 10 Aug 2018 20:28

Instrument :

MSVOA_V

ClientSampleId :

MDL06

Tot Ion: 85 Resp: 5053

Ion Ratio Lower Upper

85 100

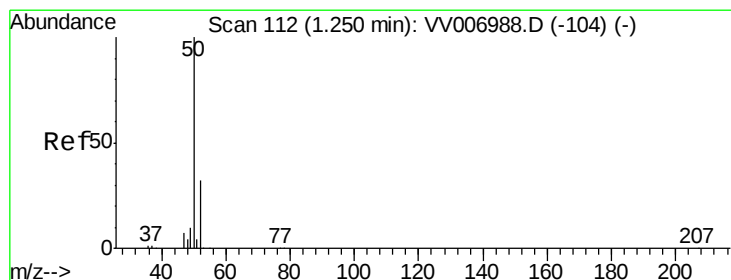
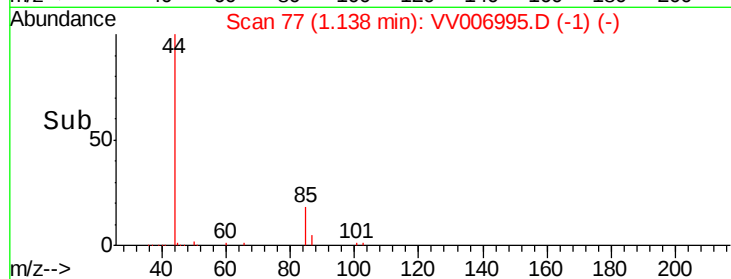
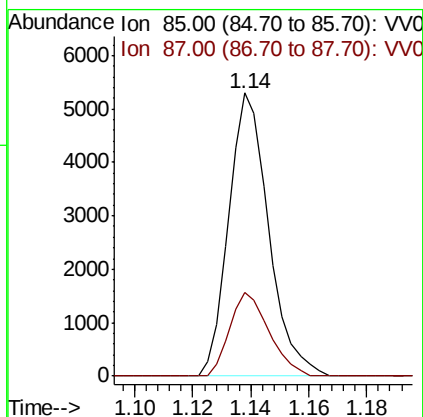
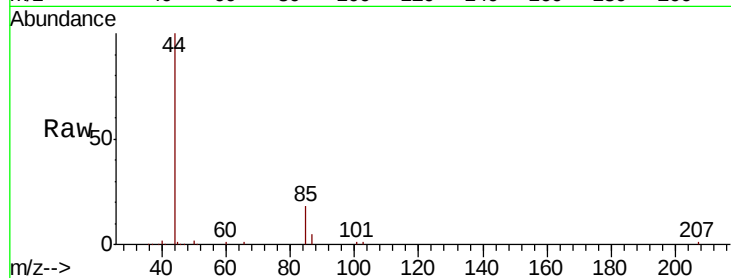
87 29.1 25.4 38.2

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#3

Chloromethane

Concen: 0.22 ug/L

RT: 1.25 min Scan# 112

Delta R.T. 0.00 min

Lab File: VV006995.D

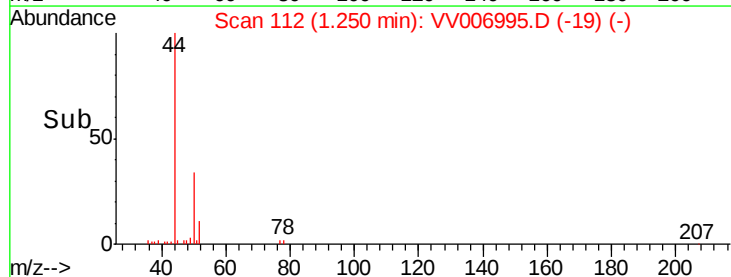
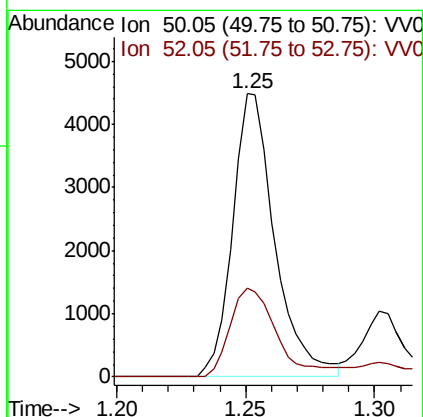
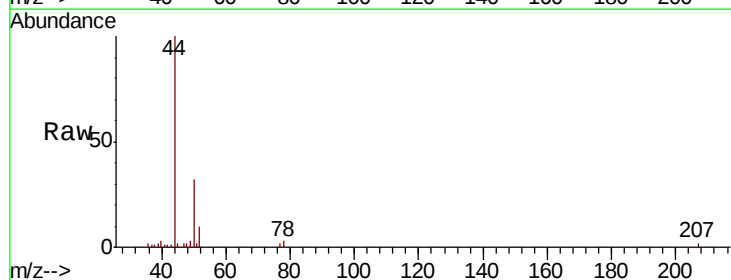
Acq: 10 Aug 2018 20:28

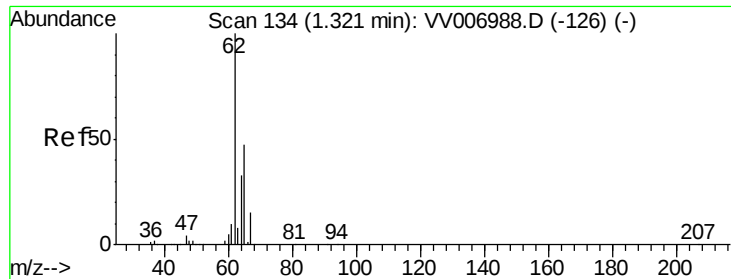
Tgt Ion: 50 Resp: 5110

Ion Ratio Lower Upper

50 100

52 31.3 23.6 43.8





#5

Vinyl chloride

Concen: 0.21 ug/L

RT: 1.32 min Scan# 134

Delta R.T. 0.00 min

Lab File: VV006995.D

Acq: 10 Aug 2018 20:28

Instrument :

MSVOA_V

ClientSampled :

MDL06

Tot Ion: 62 Resp: 4875

Ion Ratio Lower Upper

62 100

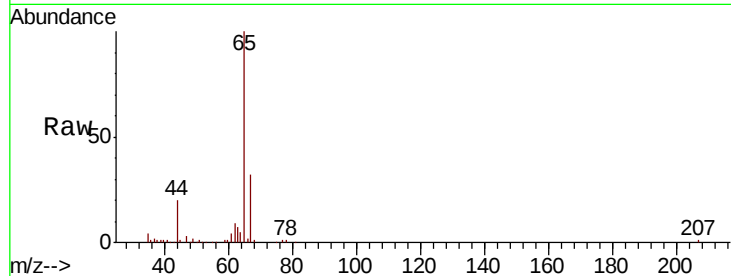
64 53.3 23.5 43.7#

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Abundance Ion 62.00 (61.70 to 62.70): VV006988.D (-126) (-)

Ion 64.10 (63.80 to 64.80): VV006995.D (-41) (-)

1.32

4000

3000

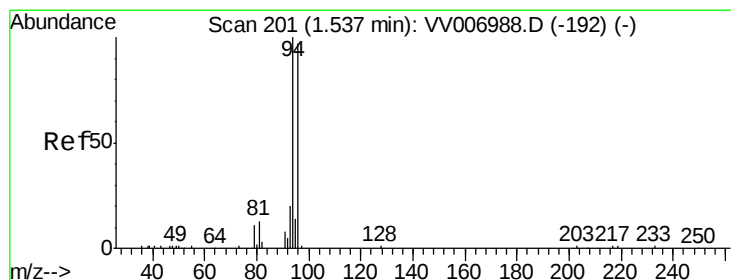
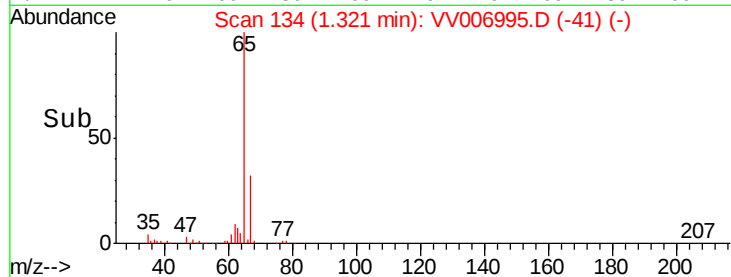
2000

1000

0

1.28 1.30 1.32 1.34 1.36

Time-->



#6

Bromomethane

Concen: 0.27 ug/L

RT: 1.53 min Scan# 200

Delta R.T. -0.00 min

Lab File: VV006995.D

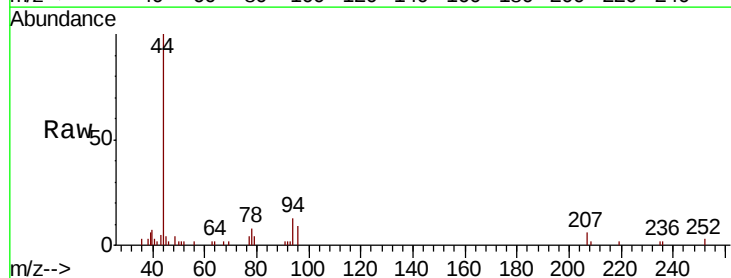
Acq: 10 Aug 2018 20:28

Tgt Ion: 94 Resp: 1366

Ion Ratio Lower Upper

94 100

96 72.5 65.0 120.6



Abundance Ion 94.00 (93.70 to 94.70): VV006988.D (-192) (-)

Ion 96.00 (95.70 to 96.70): VV006995.D (-108) (-)

1.53

1000

800

600

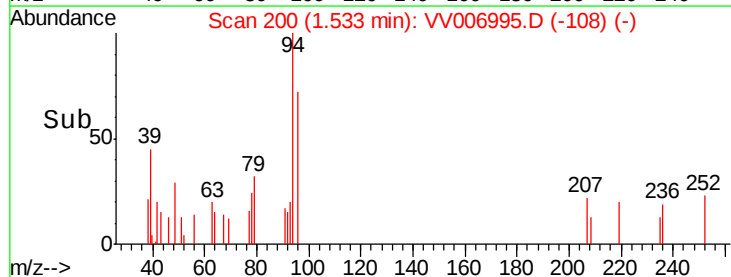
400

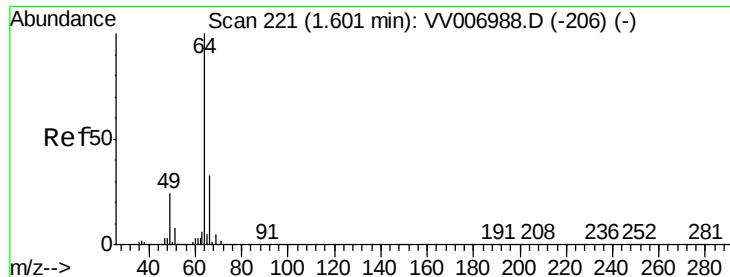
200

0

1.50 1.55

Time-->





#8

Chloroethane

Concen: 0.22 ug/L

RT: 1.60 min Scan# 221

Delta R.T. 0.00 min

Lab File: VV006995.D

Acq: 10 Aug 2018 20:28

Instrument :

MSVOA_V

ClientSampled :

MDL06

Tot Ion: 64 Resp: 3200

Ion Ratio Lower Upper

64 100

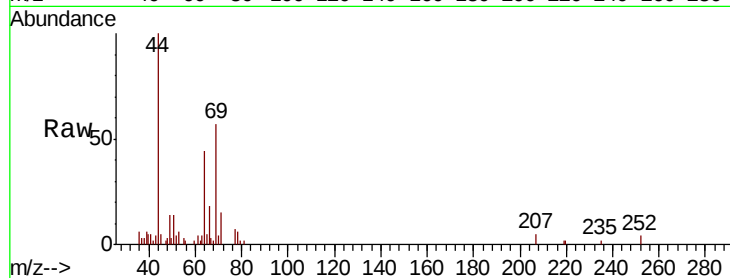
66 40.2 22.6 42.0

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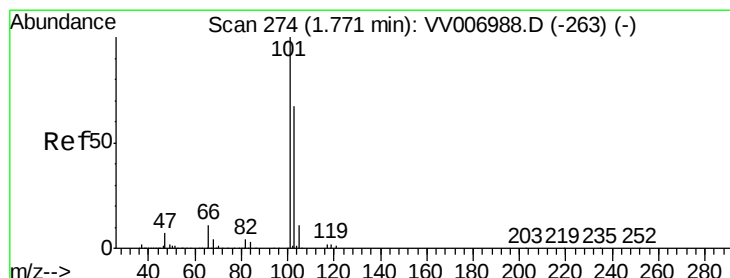
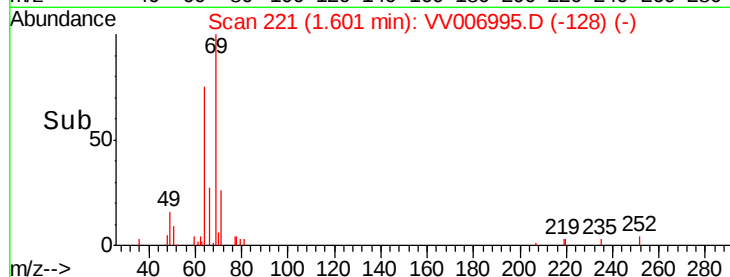
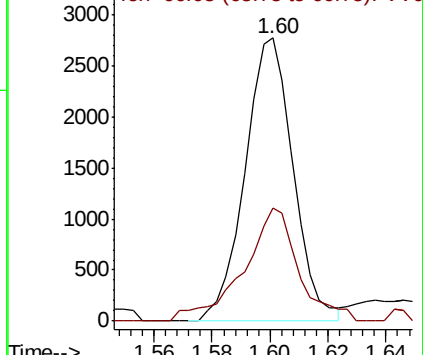
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Abundance Ion 64.10 (63.80 to 64.80): VV0

Ion 66.05 (65.75 to 66.75): VV0



#9

Trichlorofluoromethane

Concen: 0.21 ug/L

RT: 1.77 min Scan# 274

Delta R.T. 0.00 min

Lab File: VV006995.D

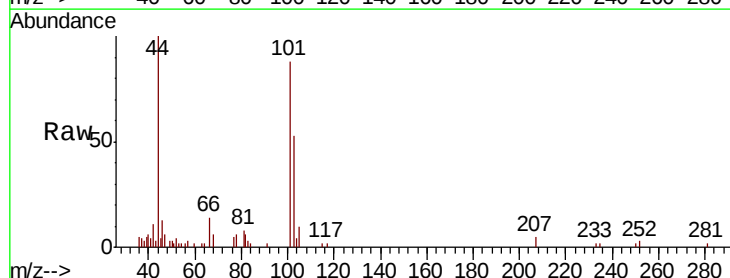
Acq: 10 Aug 2018 20:28

Tgt Ion: 101 Resp: 6307

Ion Ratio Lower Upper

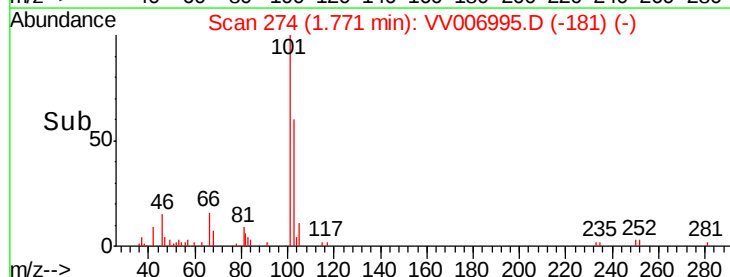
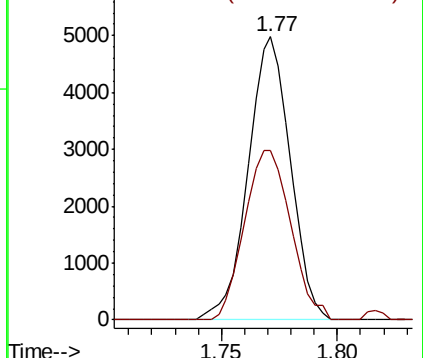
101 100

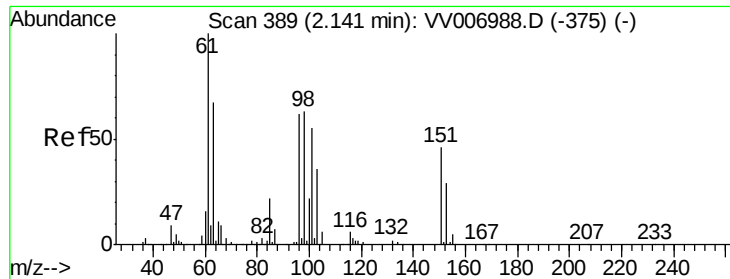
103 65.6 52.7 79.1



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#10

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

Concen: 0.24 ug/L

RT: 2.14 min Scan# 388

Delta R.T. -0.00 min

Lab File: VV006995.D

Acq: 10 Aug 2018 20:28

Instrument :

MSVOA_V

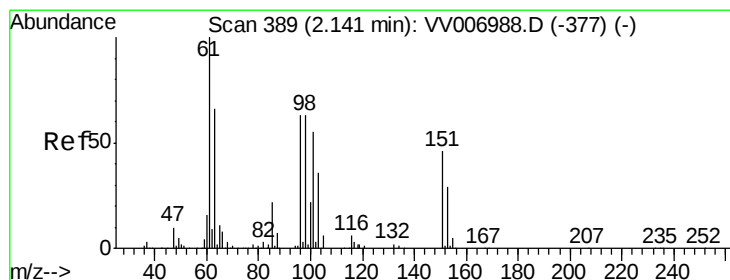
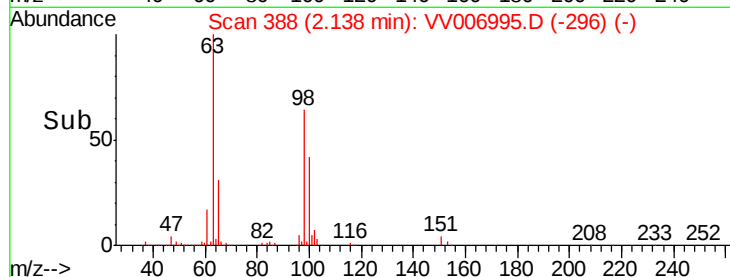
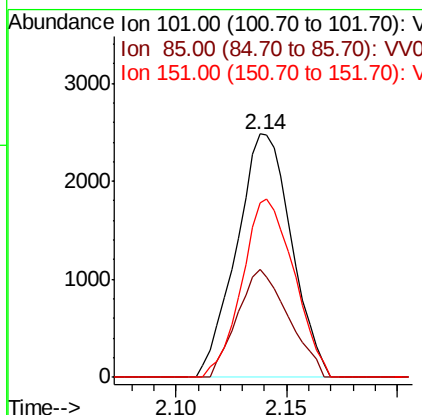
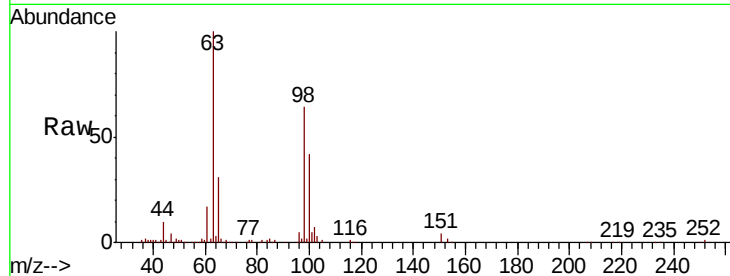
ClientSampleId :

MDL06

Tot Ion:	101	Resp:	4278
Ion Ratio	Lower	Upper	
101	100		
85	41.4	33.9	50.9
151	69.3	64.1	96.1

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#12

1,1-Dichloroethene

Concen: 0.27 ug/L

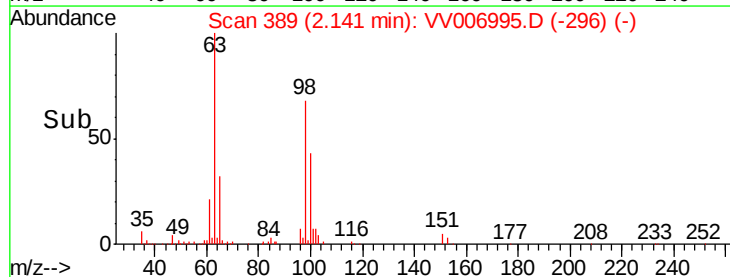
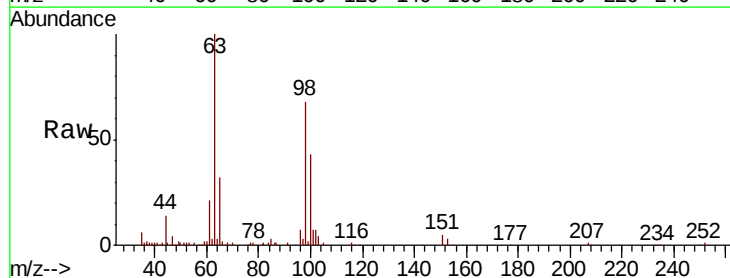
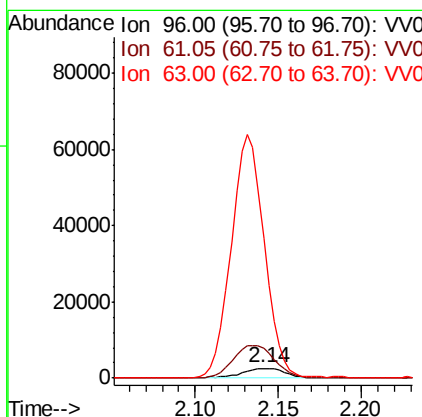
RT: 2.14 min Scan# 389

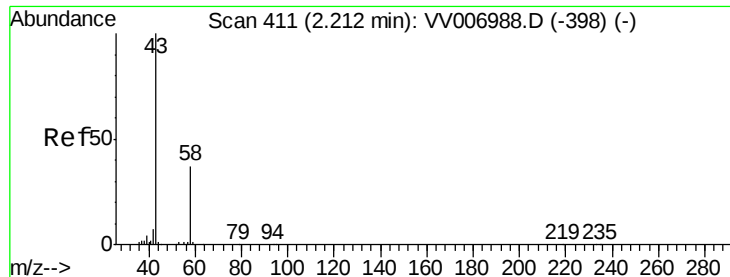
Delta R.T. 0.00 min

Lab File: VV006995.D

Acq: 10 Aug 2018 20:28

Tgt Ion:	96	Resp:	4680
Ion Ratio	Lower	Upper	
96	100		
61	304.1	111.6	207.4#
63	1441.8	84.9	157.7#





#13

Acetone

Concen: 2.86 ug/L

RT: 2.20 min Scan# 408

Delta R.T. -0.01 min

Lab File: VV006995.D

Acq: 10 Aug 2018 20:28

Instrument :

MSVOA_V

ClientSampleId :

MDL06

Tot Ion: 43 Resp: 6641

Ion Ratio Lower Upper

43 100

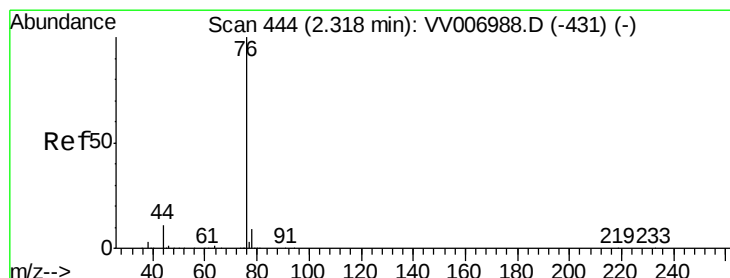
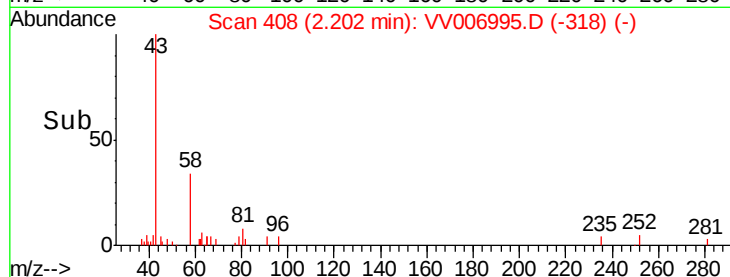
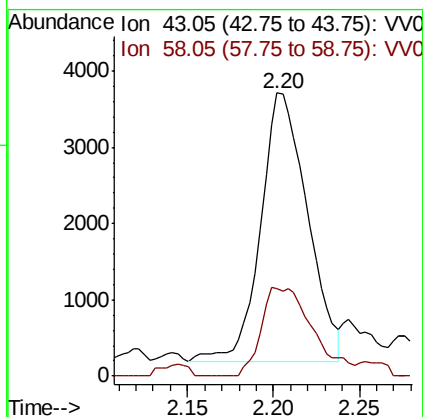
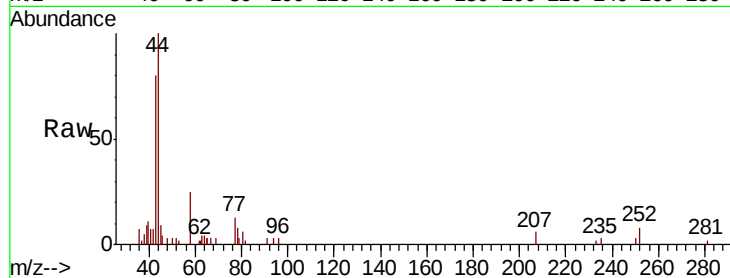
58 36.5 0.0 71.4

Manual Integrations

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#14

Carbon disulfide

Concen: 0.20 ug/L

RT: 2.32 min Scan# 445

Delta R.T. 0.00 min

Lab File: VV006995.D

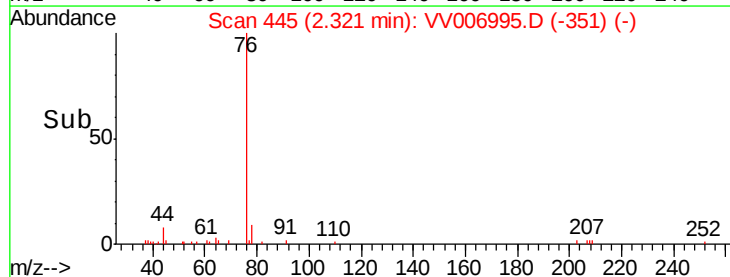
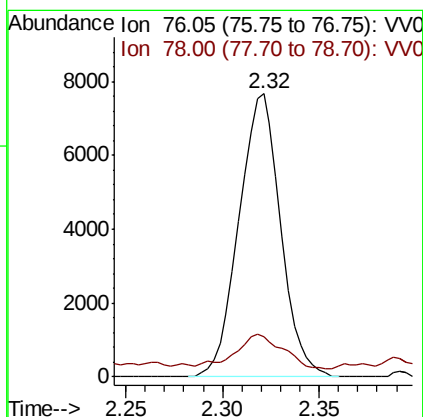
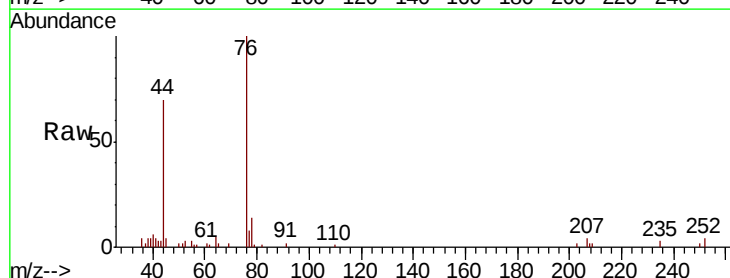
Acq: 10 Aug 2018 20:28

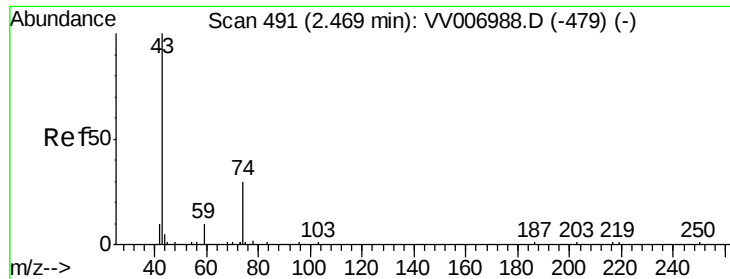
Tgt Ion: 76 Resp: 11485

Ion Ratio Lower Upper

76 100

78 14.4 7.6 11.4#





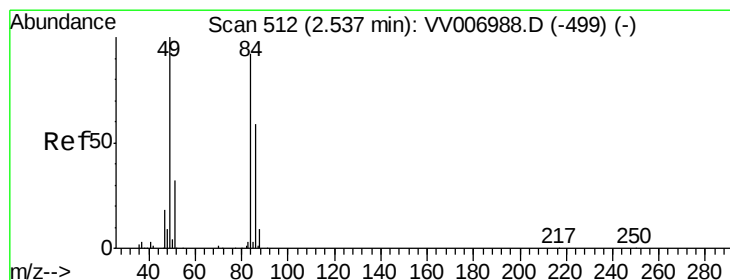
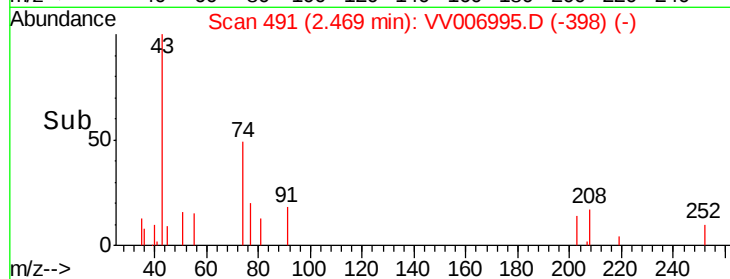
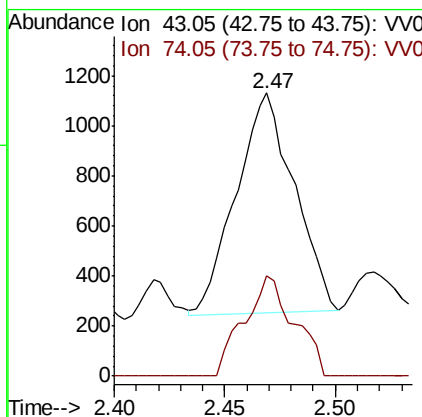
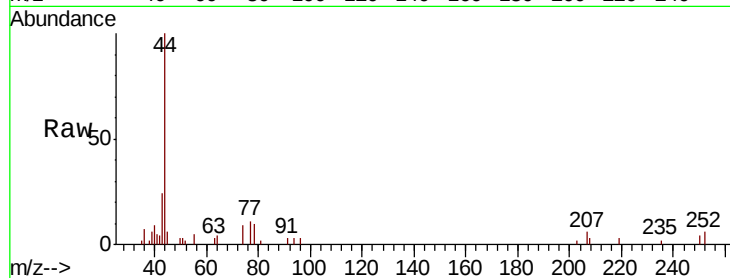
#15
Methvl Acetate
Concen: 0.25 ug/L
RT: 2.47 min Scan# 491
Delta R.T. 0.00 min
Lab File: VV006995.D
Acq: 10 Aug 2018 20:28

Instrument :
MSVOA_V
ClientSampled :
MDL06

Tot Ion: 43 Resp: 1613
Ion Ratio Lower Upper
43 100
74 39.0 24.6 37.0#

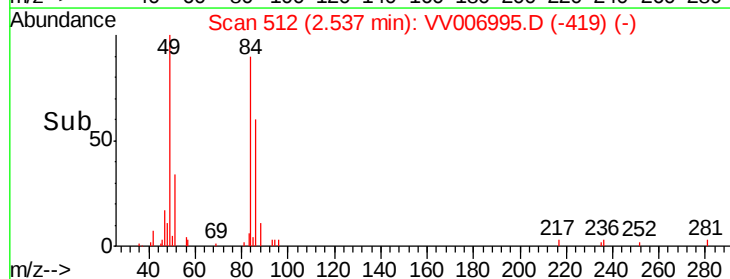
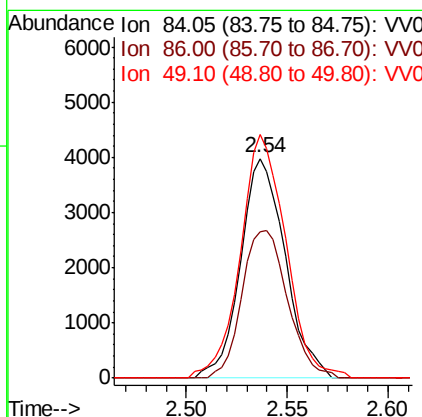
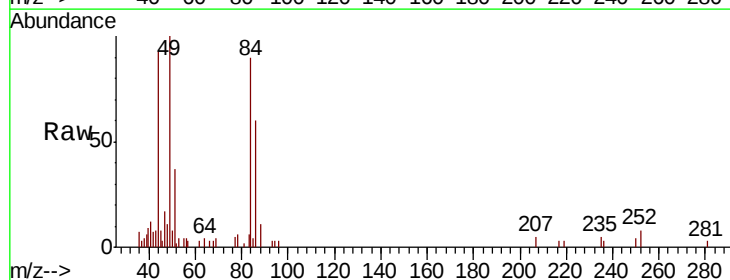
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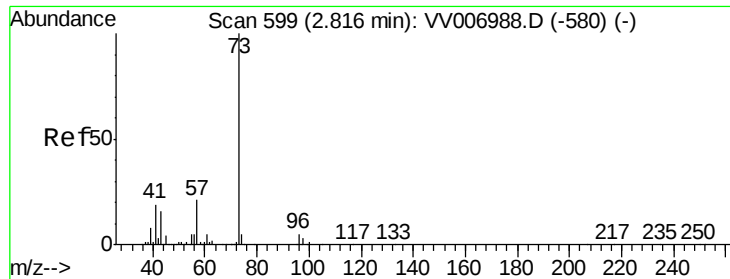
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#16
Methylene chloride
Concen: 0.29 ug/L
RT: 2.54 min Scan# 512
Delta R.T. 0.00 min
Lab File: VV006995.D
Acq: 10 Aug 2018 20:28

Tgt Ion: 84 Resp: 6169
Ion Ratio Lower Upper
84 100
86 66.4 45.7 84.9
49 110.9 78.8 146.4





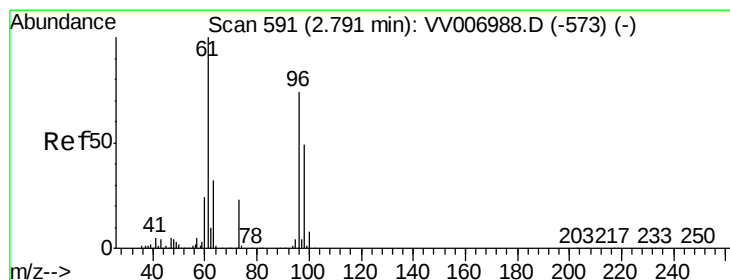
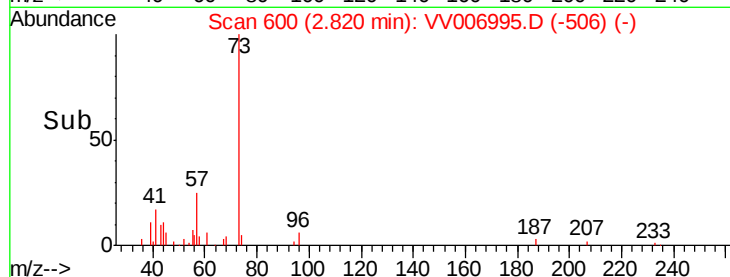
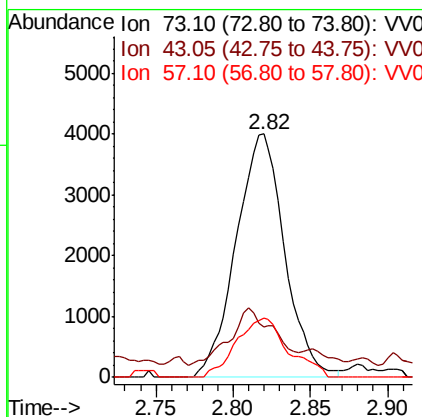
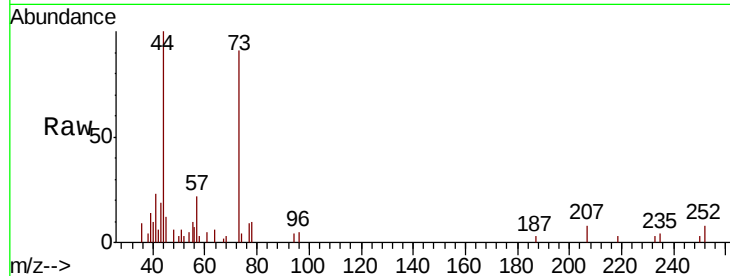
#17
Methvl tert-butvl Ether
Concen: 0.21 ug/L
RT: 2.82 min Scan# 600
Delta R.T. 0.00 min
Lab File: VV006995.D
Acq: 10 Aug 2018 20:28

Instrument :
MSVOA_V
ClientSampled :
MDL06

Tot Ion	Ratio	Lower	Upper
73	100		
43	21.4	14.4	21.6
57	25.9	17.9	26.9

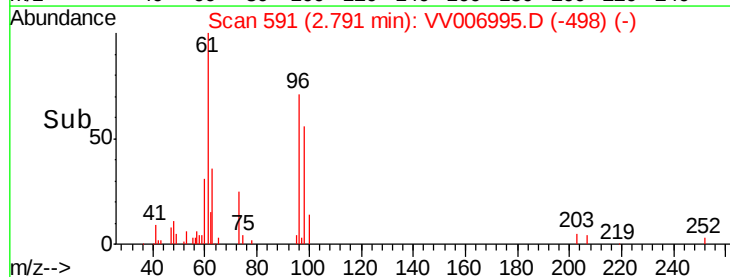
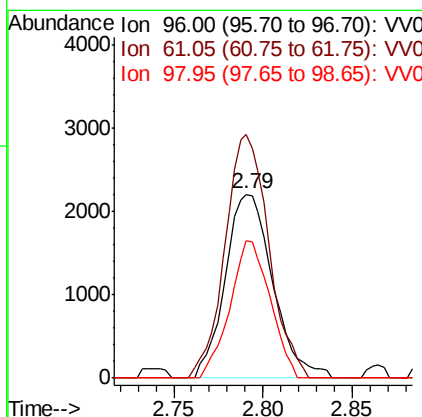
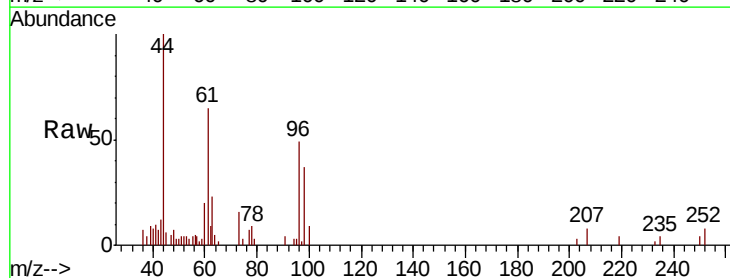
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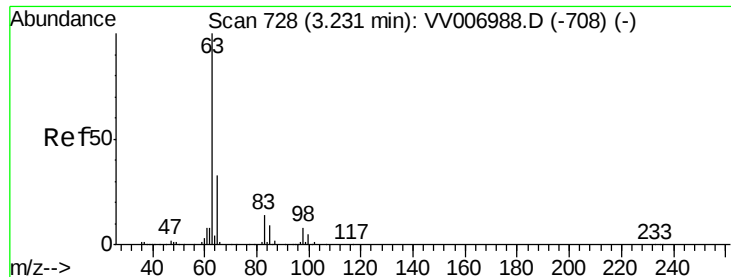
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#18
trans-1,2-Dichloroethene
Concen: 0.22 ug/L
RT: 2.79 min Scan# 591
Delta R.T. 0.00 min
Lab File: VV006995.D
Acq: 10 Aug 2018 20:28

Tgt Ion	Ratio	Lower	Upper
96	100		
61	132.5	91.1	169.3
98	74.8	43.5	80.9





#19

1,1-Dichloroethane

Concen: 0.20 ug/L

RT: 3.23 min Scan# 728

Delta R.T. 0.00 min

Lab File: VV006995.D

Acq: 10 Aug 2018 20:28

Instrument :

MSVOA_V

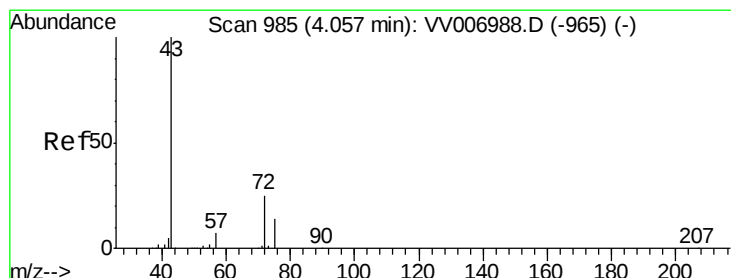
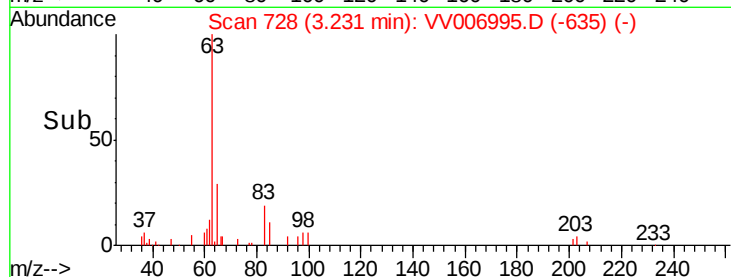
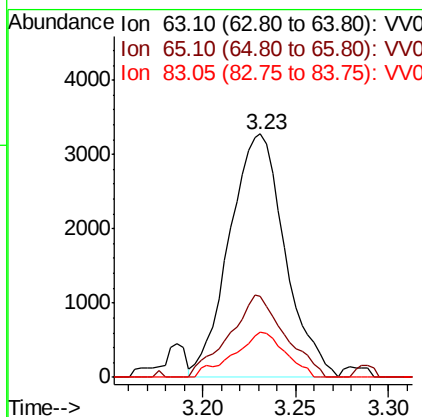
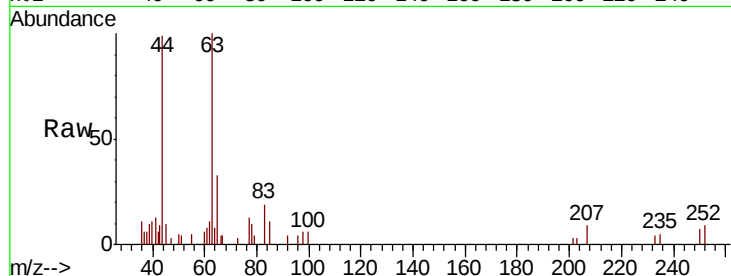
ClientSampleId :

MDL06

Tot Ion:	63	Resp:	6828
Ion	Ratio	Lower	Upper
63	100		
65	33.5	21.7	40.3
83	18.6	10.0	18.6

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#21

2-Butanone

Concen: 2.72 ug/L

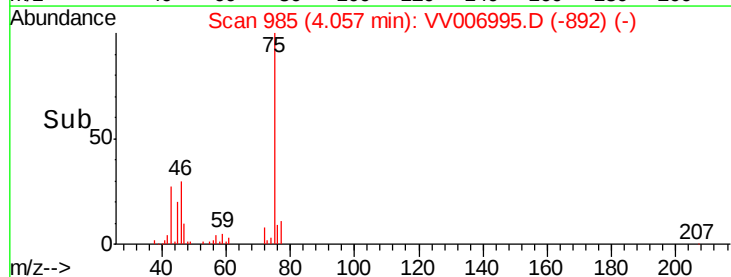
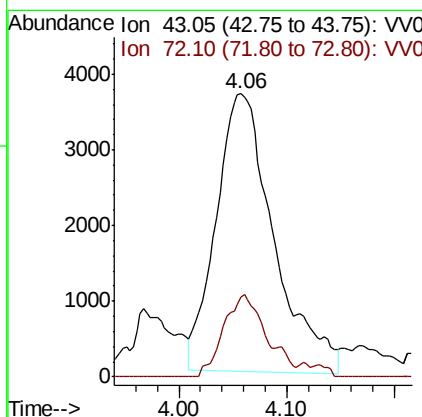
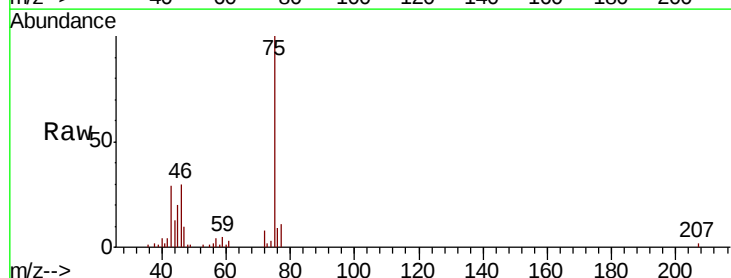
RT: 4.06 min Scan# 985

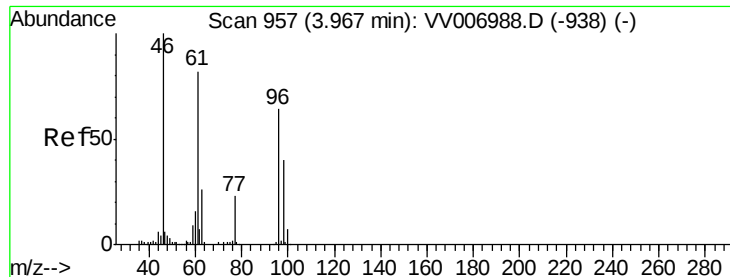
Delta R.T. 0.00 min

Lab File: VV006995.D

Acq: 10 Aug 2018 20:28

Tgt Ion:	43	Resp:	13691
Ion	Ratio	Lower	Upper
43	100		
72	19.8	12.4	37.2





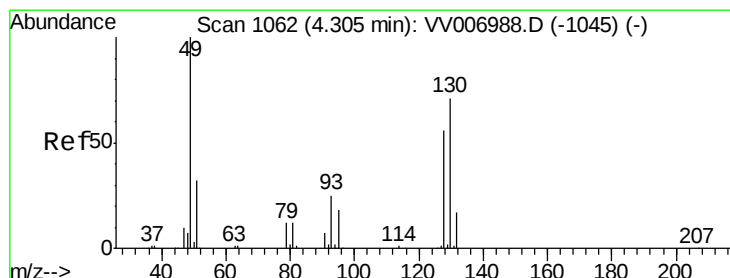
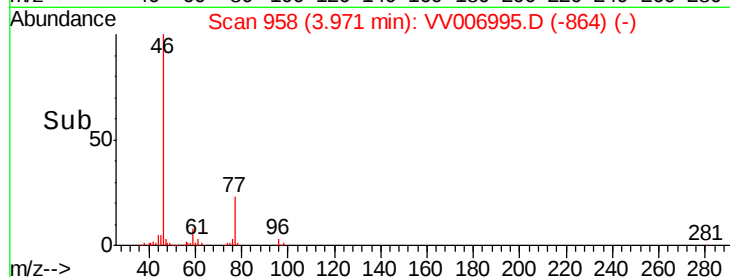
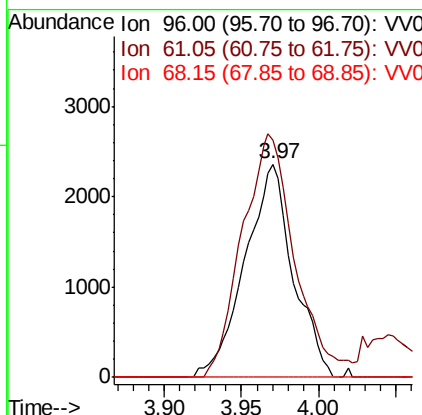
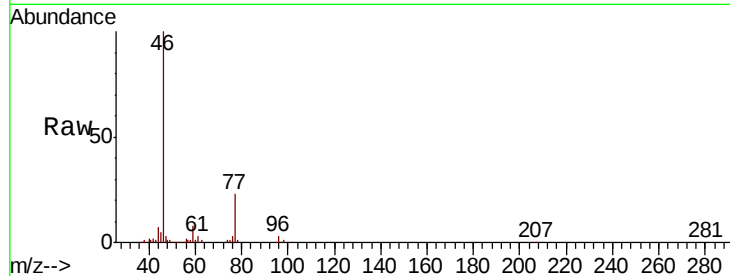
#22
 cis-1,2-Dichloroethene
 Concen: 0.24 ug/L
 RT: 3.97 min Scan# 958
 Delta R.T. 0.00 min
 Lab File: VV006995.D
 Acq: 10 Aug 2018 20:28

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL06

Tot Ion	Ratio	Lower	Upper
96	100		
61	111.5	91.1	169.1
68	0.0	0.0	0.0

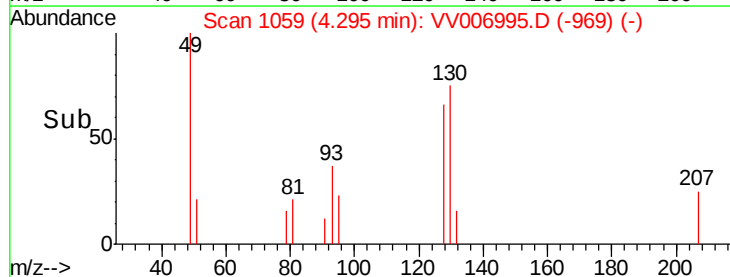
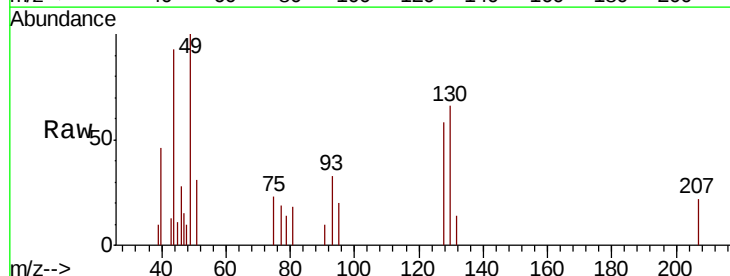
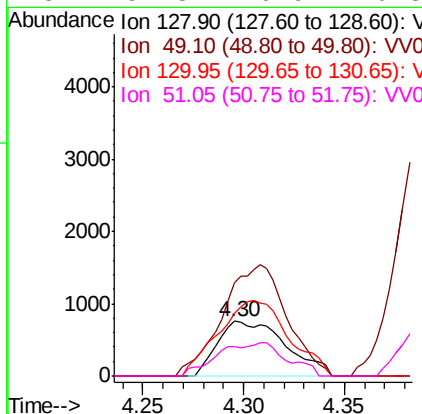
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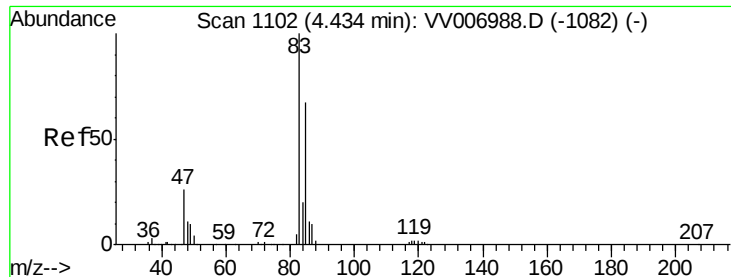
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#23
 Bromochloromethane
 Concen: 0.21 ug/L
 RT: 4.30 min Scan# 1059
 Delta R.T. -0.01 min
 Lab File: VV006995.D
 Acq: 10 Aug 2018 20:28

Tgt Ion	Ratio	Lower	Upper
128	100		
49	171.5	138.6	257.4
130	113.6	90.0	167.2
51	52.8	46.9	70.3





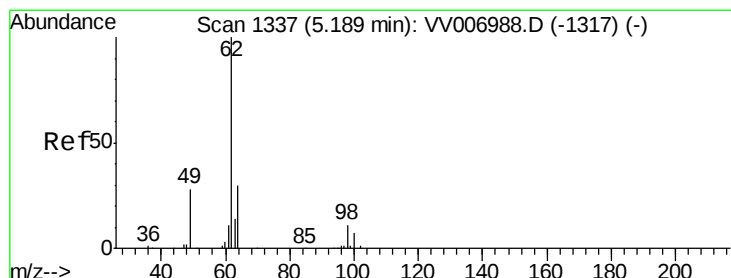
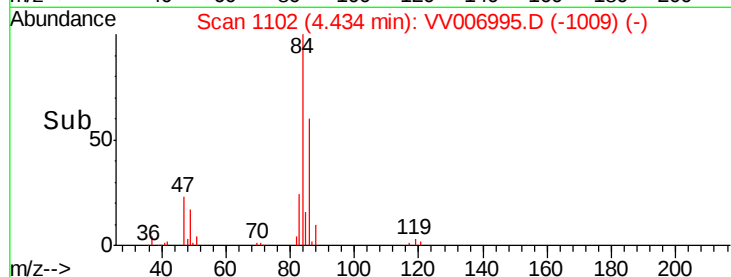
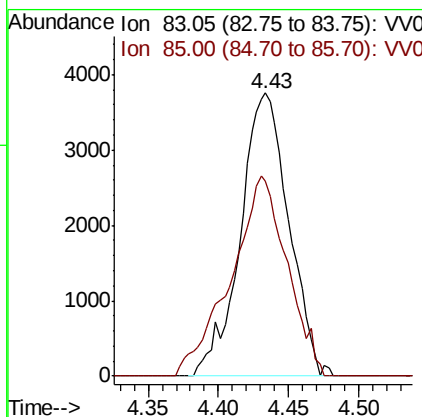
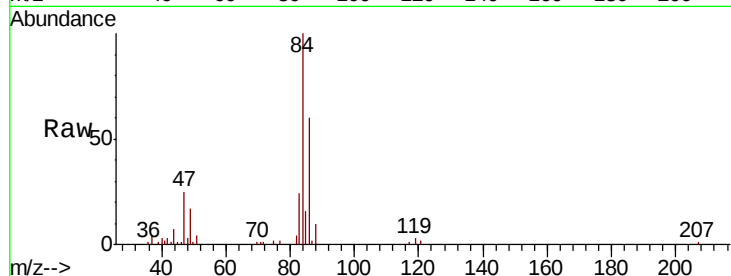
#25
Chloroform
Concen: 0.24 ug/L
RT: 4.43 min Scan# 1102
Delta R.T. 0.00 min
Lab File: VV006995.D
Acq: 10 Aug 2018 20:28

Instrument :
MSVOA_V
ClientSampleId :
MDL06

Tot Ion	83	Resp	8999
Ion Ratio	100	Lower	Upper
85	68.8	44.7	82.9

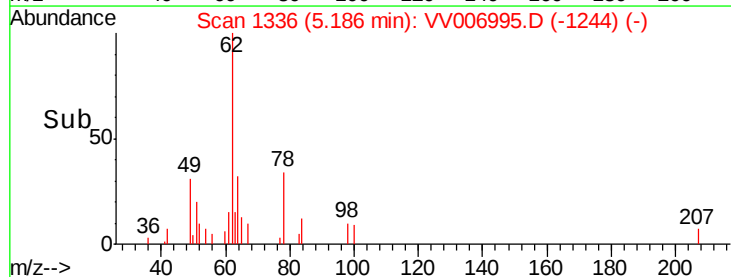
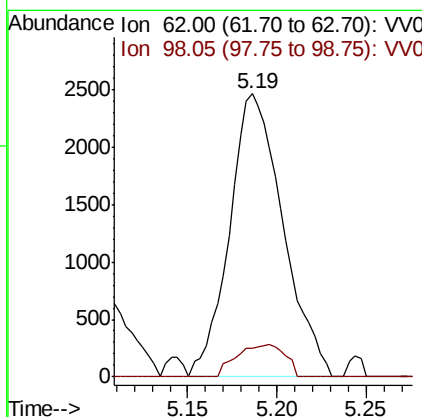
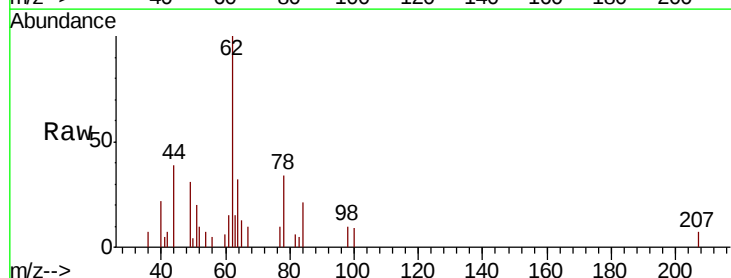
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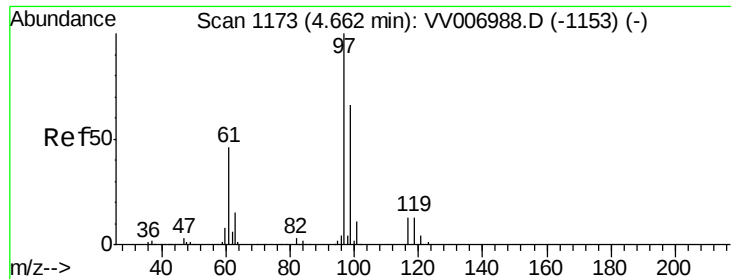
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#27
1,2-Dichloroethane
Concen: 0.22 ug/L
RT: 5.19 min Scan# 1336
Delta R.T. -0.00 min
Lab File: VV006995.D
Acq: 10 Aug 2018 20:28

Tgt Ion	62	Resp	5145
Ion Ratio	100	Lower	Upper
98	10.2	7.6	11.4





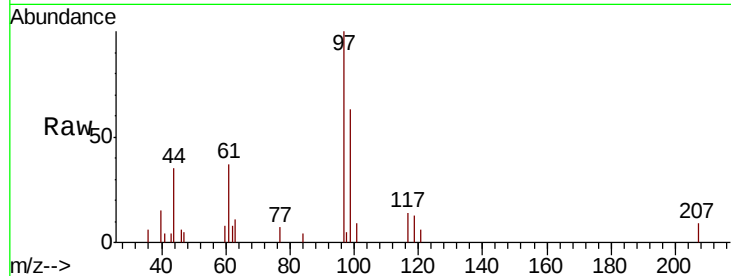
#29
 1,1,1-Trichloroethane
 Concen: 0.20 ug/L
 RT: 4.66 min Scan# 1172
 Delta R.T. -0.00 min
 Lab File: VV006995.D
 Acq: 10 Aug 2018 20:28

Instrument :
 MSVOA_V
 ClientSampled :
 MDL06

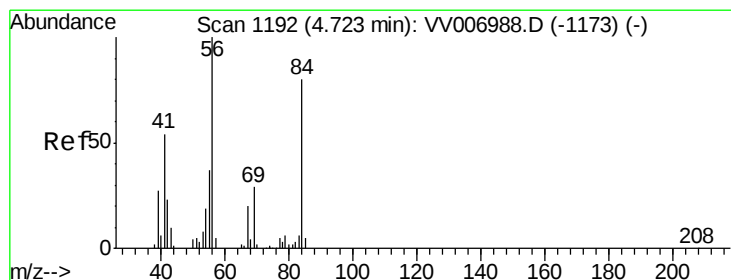
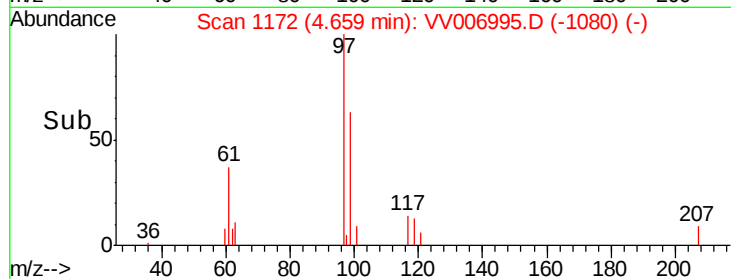
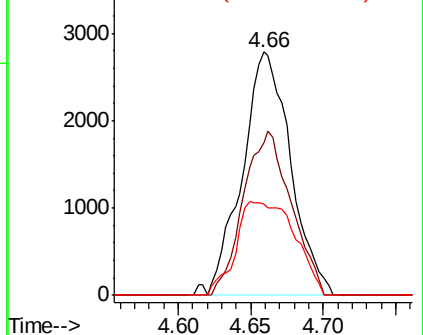
Tot Ion	Ratio	Resp	Lower	Upper
97	100	6488		
99	66.4		51.0	76.6
61	46.4		36.6	54.8

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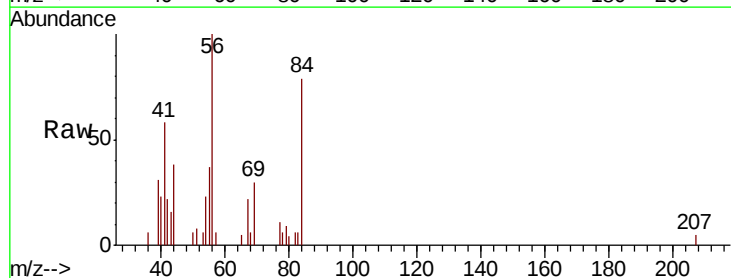


Abundance Ion 96.95 (96.65 to 97.65): VV006988.D (-1153) (-)
 Ion 99.05 (98.75 to 99.75): VV006988.D (-1153) (-)
 Ion 61.05 (60.75 to 61.75): VV006988.D (-1153) (-)

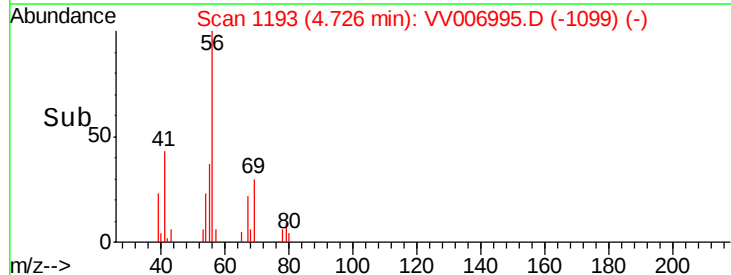
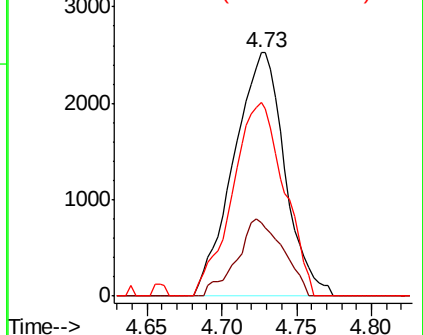


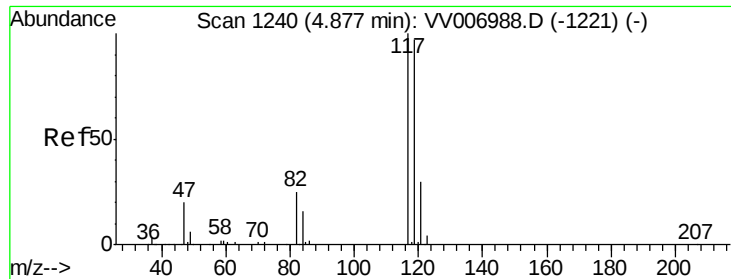
#30
 Cyclohexane
 Concen: 0.18 ug/L
 RT: 4.73 min Scan# 1193
 Delta R.T. 0.00 min
 Lab File: VV006995.D
 Acq: 10 Aug 2018 20:28

Tgt Ion	Ratio	Resp	Lower	Upper
56	100	6003		
69	28.5		23.8	35.6
84	80.3		67.9	101.9



Abundance Ion 56.10 (55.80 to 56.80): VV006988.D (-1173) (-)
 Ion 69.15 (68.85 to 69.85): VV006988.D (-1173) (-)
 Ion 84.15 (83.85 to 84.85): VV006988.D (-1173) (-)





#31

Carbon tetrachloride

Concen: 0.19 ug/L

RT: 4.87 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VV006995.D

Acq: 10 Aug 2018 20:28

Instrument :

MSVOA_V

ClientSampled :

MDL06

Tot Ion:117 Resp: 5027

Ion Ratio Lower Upper

117 100

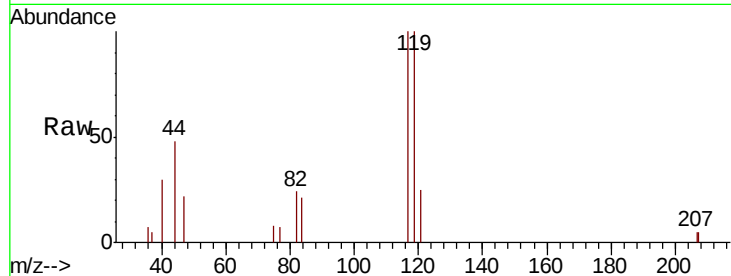
119 105.4 76.2 114.4

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Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

2500

2000

1500

1000

500

0

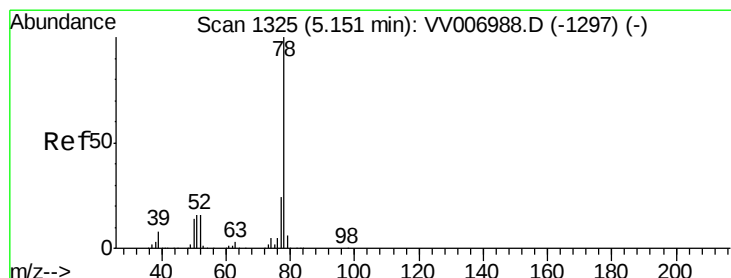
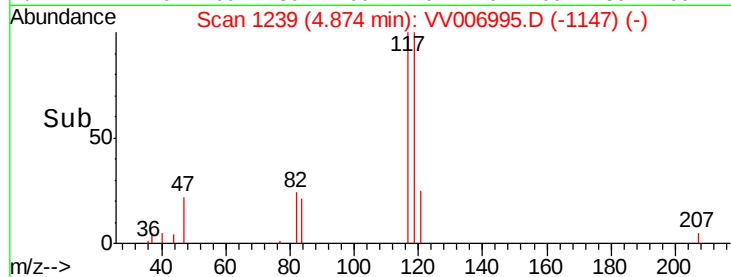
4.80

4.85

4.90

4.95

Time-->



#33

Benzene

Concen: 0.21 ug/L

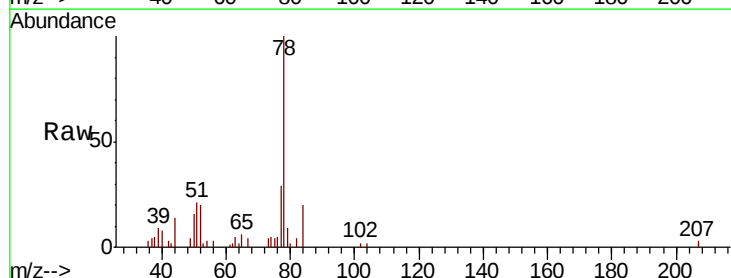
RT: 5.16 min Scan# 1327

Delta R.T. 0.01 min

Lab File: VV006995.D

Acq: 10 Aug 2018 20:28

Tgt Ion: 78 Resp: 17094



Abundance Ion 78.10 (77.80 to 78.80): VV0

8000

6000

4000

2000

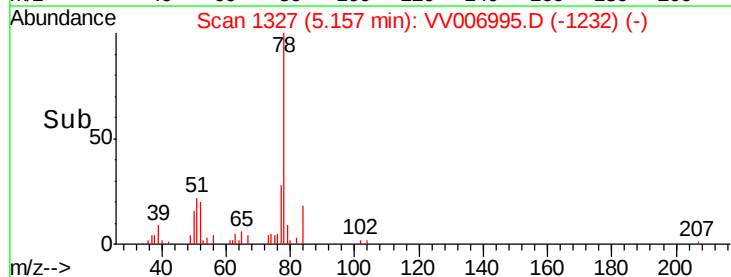
0

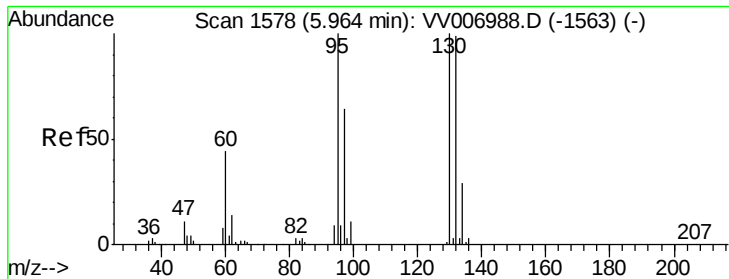
5.10

5.15

5.20

Time-->





#34

Trichloroethene

Concen: 0.20 ug/L

RT: 5.96 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VV006995.D

Acq: 10 Aug 2018 20:28

Instrument :

MSVOA_V

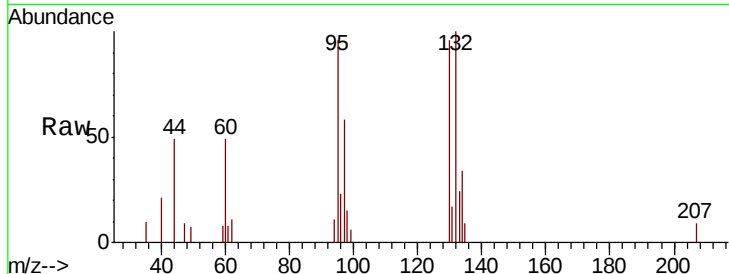
ClientSampled :

MDL06

Tot Ion:	95	Resp:	3986
Ion	Ratio	Lower	Upper
95	100		
97	60.6	44.8	83.2
132	104.2	65.5	121.6
130	100.3	66.4	123.4

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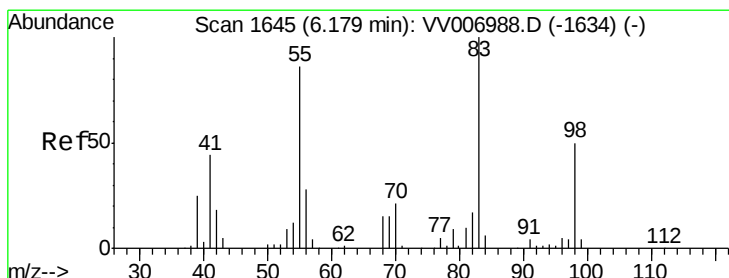
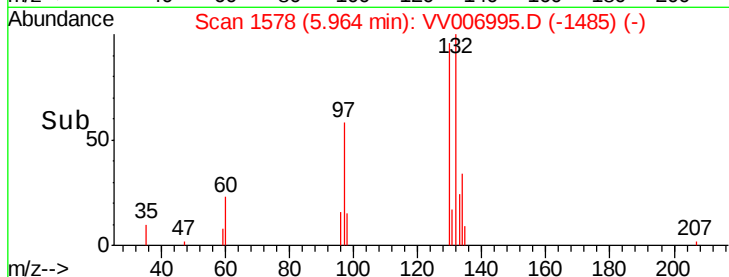
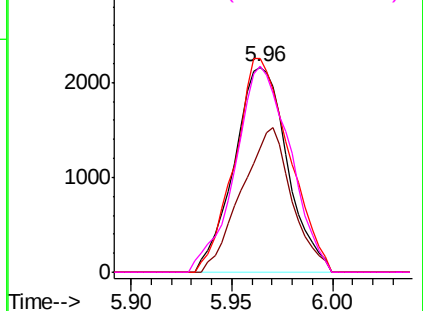


Abundance Ion 95.00 (94.70 to 95.70): VV006995.D (-1485) (-)

Ion 96.95 (96.65 to 97.65): VV006995.D (-1485) (-)

Ion 131.95 (131.65 to 132.65): VV006995.D (-1485) (-)

Ion 129.95 (129.65 to 130.65): VV006995.D (-1485) (-)



#35

Methylcyclohexane

Concen: 0.17 ug/L

RT: 6.18 min Scan# 1644

Delta R.T. -0.00 min

Lab File: VV006995.D

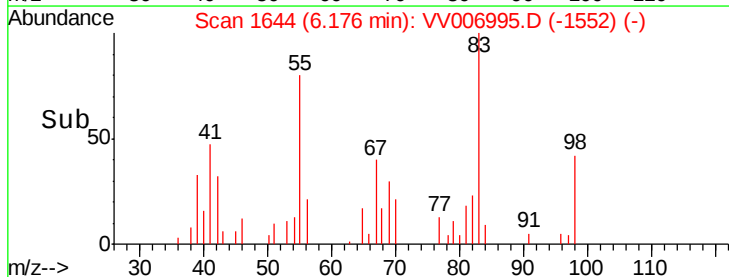
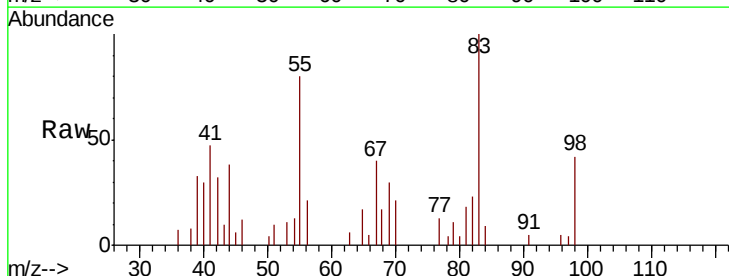
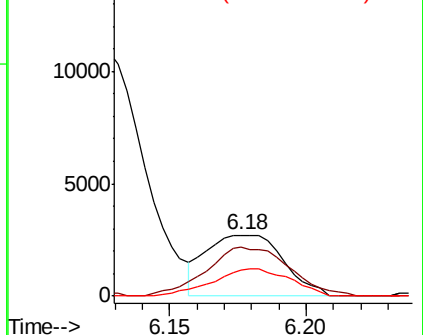
Acq: 10 Aug 2018 20:28

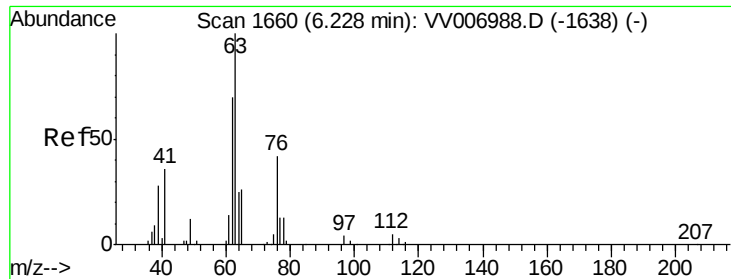
Tgt Ion:	83	Resp:	5323
Ion	Ratio	Lower	Upper
83	100		
55	86.9	68.1	102.1
98	44.7	37.9	56.9

Abundance Ion 83.15 (82.85 to 83.85): VV006995.D (-1552) (-)

Ion 55.10 (54.80 to 55.80): VV006995.D (-1552) (-)

Ion 98.15 (97.85 to 98.85): VV006995.D (-1552) (-)





#37

1,2-Dichloropropane

Concen: 0.20 ug/L

RT: 6.23 min Scan# 1660

Delta R.T. 0.00 min

Lab File: VV006995.D

Acq: 10 Aug 2018 20:28

Instrument :

MSVOA_V

ClientSampled :

MDL06

Tot Ion: 63 Resp: 4493

Ion Ratio Lower Upper

63 100

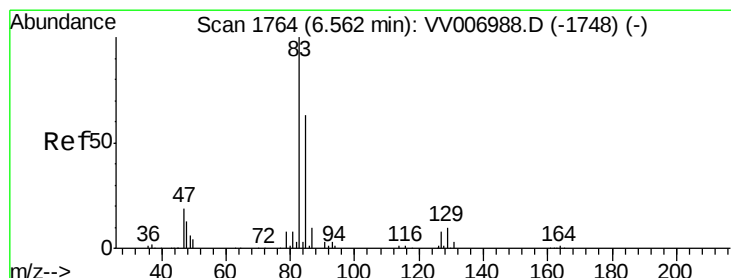
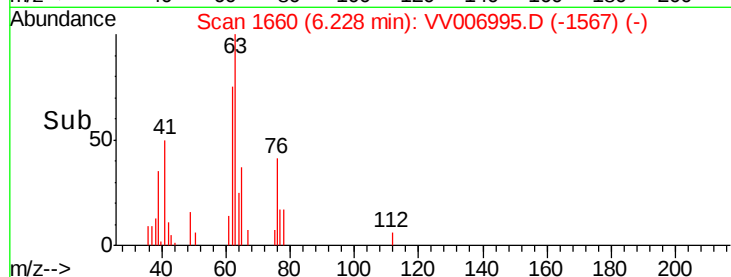
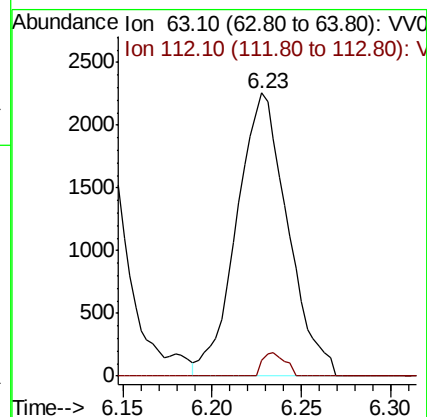
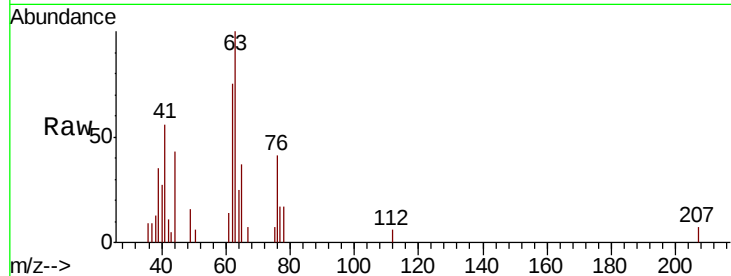
112 3.7 3.5 5.3

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#38

Bromodichloromethane

Concen: 0.20 ug/L

RT: 6.57 min Scan# 1765

Delta R.T. 0.00 min

Lab File: VV006995.D

Acq: 10 Aug 2018 20:28

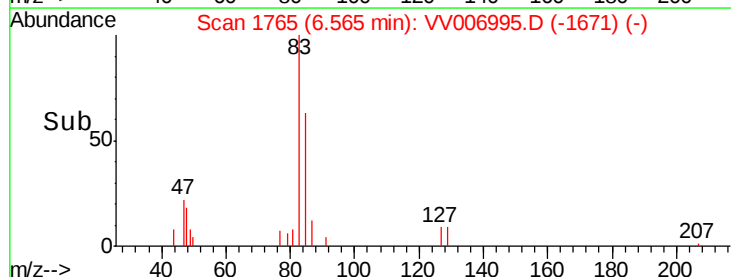
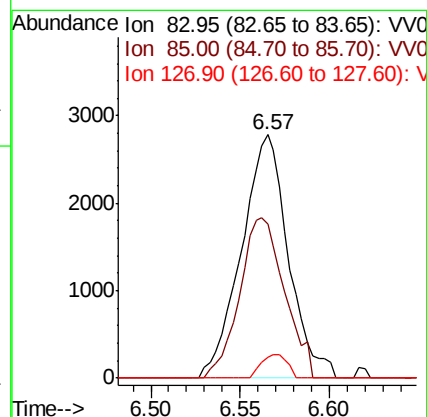
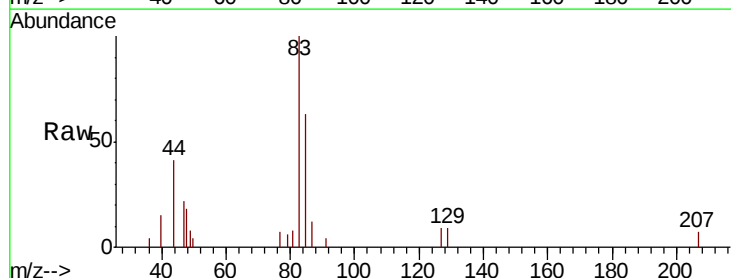
Tgt Ion: 83 Resp: 5087

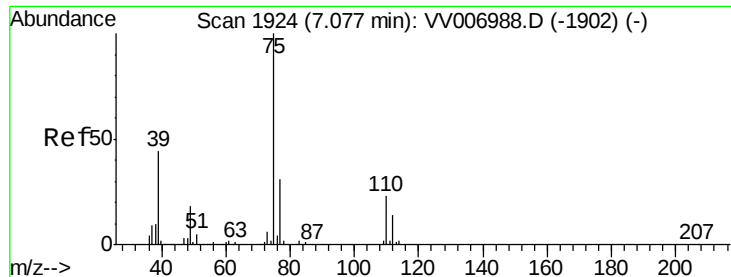
Ion Ratio Lower Upper

83 100

85 63.1 43.8 81.4

127 8.7 6.6 10.0





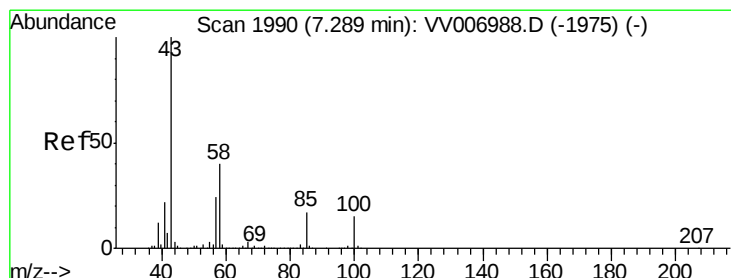
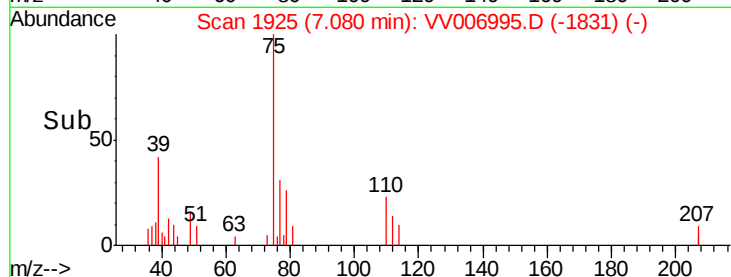
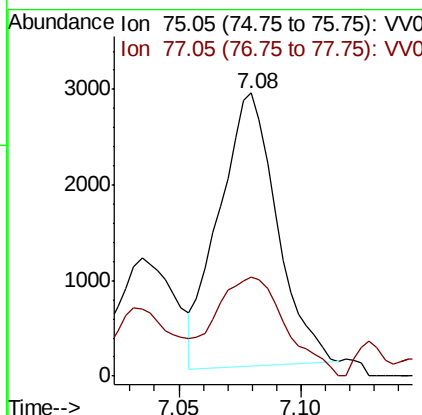
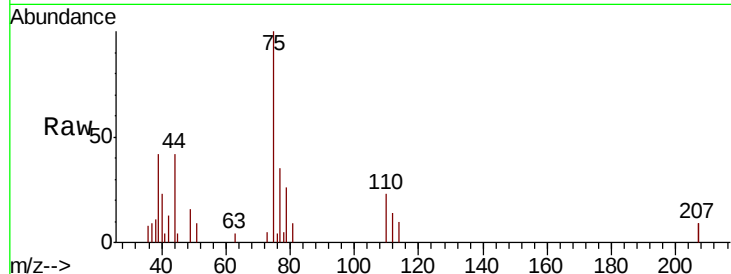
#39
 cis-1,3-Dichloropropene
 Concen: 0.17 ug/L
 RT: 7.08 min Scan# 1925
 Delta R.T. 0.00 min
 Lab File: VV006995.D
 Acq: 10 Aug 2018 20:28

Instrument :
 MSVOA_V
 ClientSampled :
 MDL06

Tot Ion: 75 Resp: 4702
 Ion Ratio Lower Upper
 75 100
 77 35.1 22.0 40.8

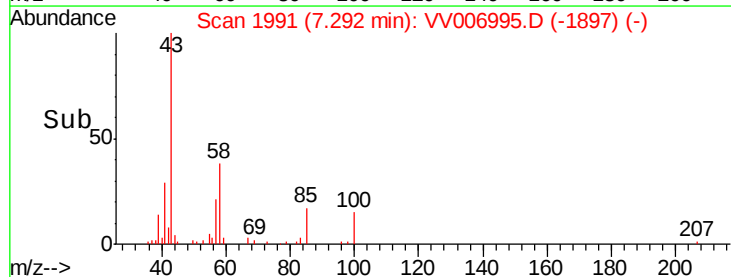
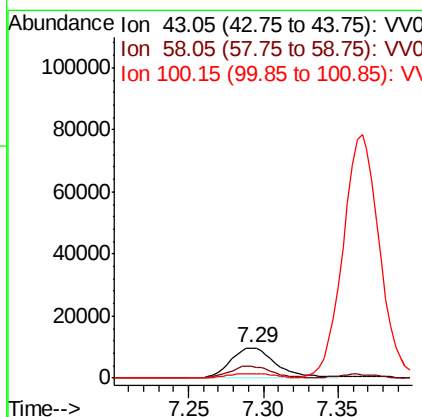
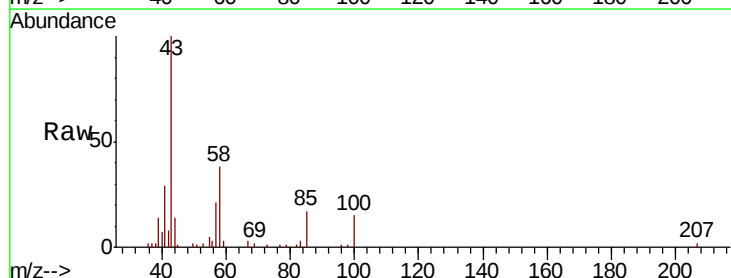
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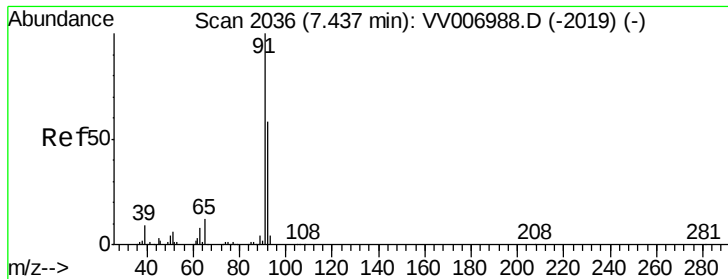
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#40
 4-Methyl-2-pentanone
 Concen: 1.69 ug/L
 RT: 7.29 min Scan# 1991
 Delta R.T. 0.00 min
 Lab File: VV006995.D
 Acq: 10 Aug 2018 20:28

Tgt Ion: 43 Resp: 20613
 Ion Ratio Lower Upper
 43 100
 58 36.9 30.7 46.1
 100 0.0 11.2 16.8#





#42

Toluene

Concen: 0.18 ug/L

RT: 7.44 min Scan# 2037

Delta R.T. 0.00 min

Lab File: VV006995.D

Acq: 10 Aug 2018 20:28

Instrument :

MSVOA_V

ClientSampled :

MDL06

Tot Ion: 91 Resp: 13933

Ion Ratio Lower Upper

91 100

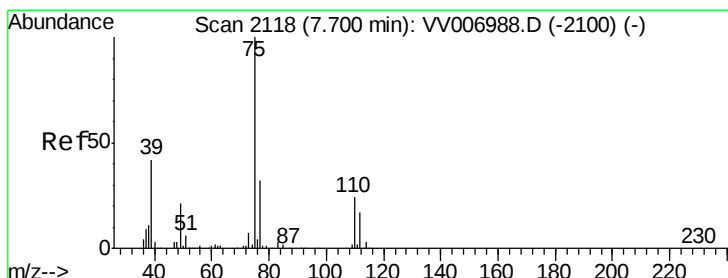
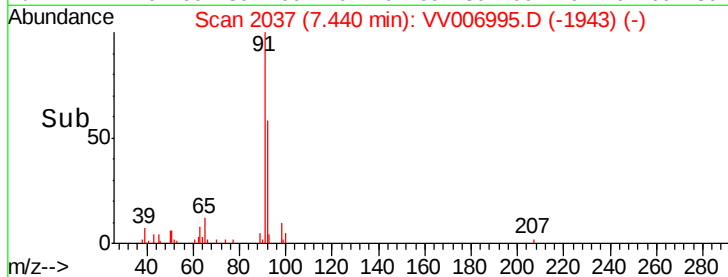
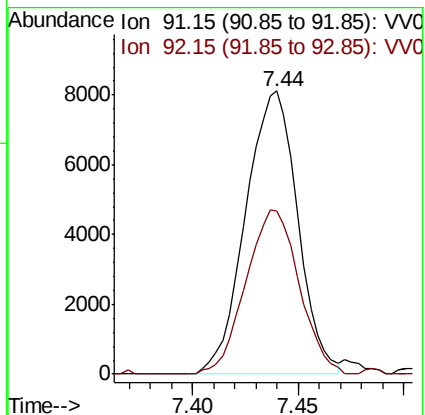
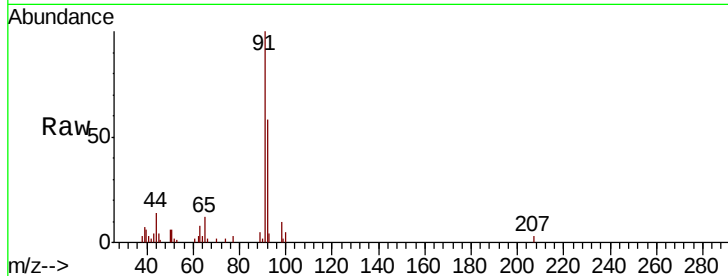
92 57.6 40.2 74.6

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#44

trans-1,3-Dichloropropene

Concen: 0.18 ug/L m

RT: 7.70 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VV006995.D

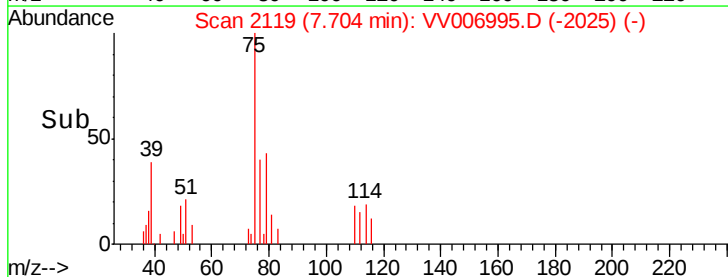
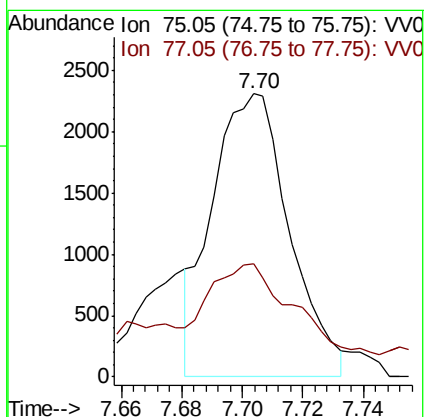
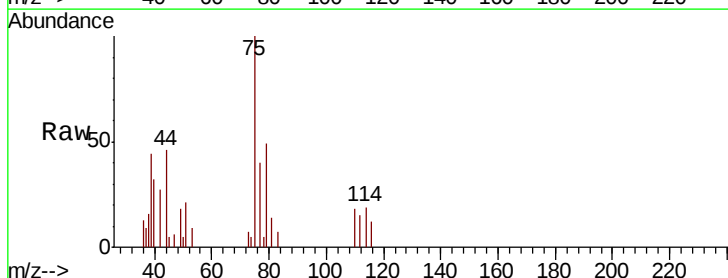
Acq: 10 Aug 2018 20:28

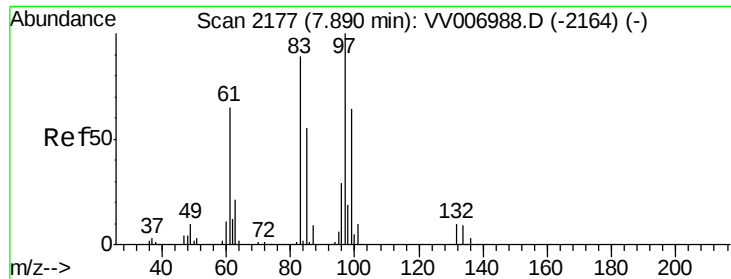
Tgt Ion: 75 Resp: 4084

Ion Ratio Lower Upper

75 100

77 39.8 22.3 41.3





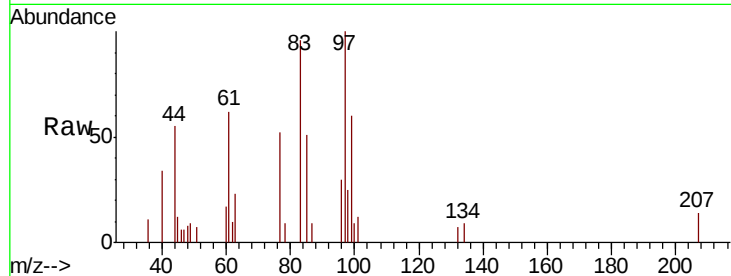
#45
 1,1,2-Trichloroethane
 Concen: 0.23 ug/L
 RT: 7.89 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VV006995.D
 Acq: 10 Aug 2018 20:28

Instrument :
 MSVOA_V
 ClientSampled :
 MDL06

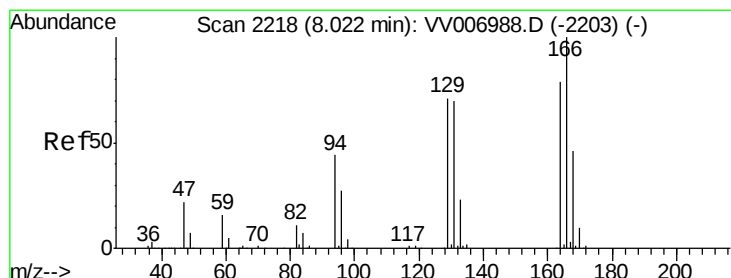
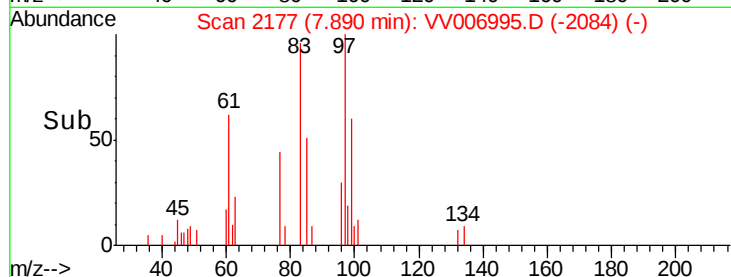
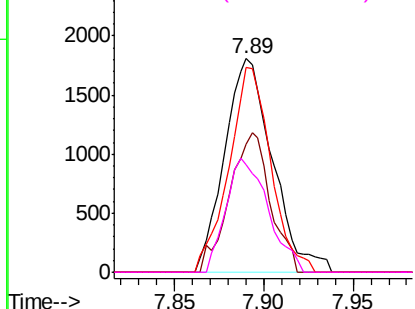
Tot Ion:	97	Resp:	3386
Ion	Ratio	Lower	Upper
97	100		
99	60.0	40.6	75.4
83	95.7	58.0	107.8
85	50.7	37.5	69.7

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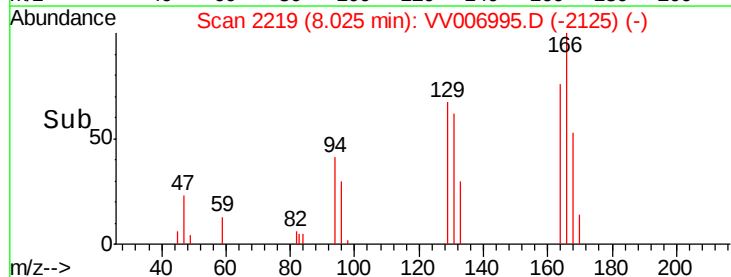
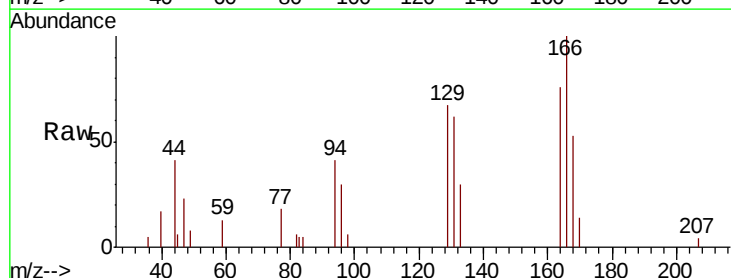
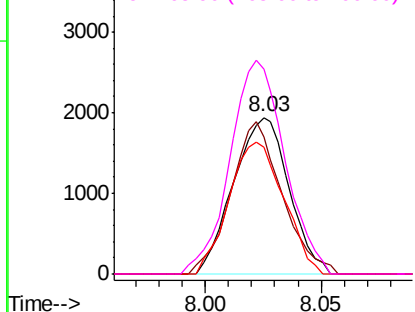
Abundance Ion 96.95 (96.65 to 97.65): VV006995.D (-2084) (-)
 Ion 99.05 (98.75 to 99.75): VV006995.D (-2084) (-)
 Ion 82.95 (82.65 to 83.65): VV006995.D (-2084) (-)
 Ion 85.00 (84.70 to 85.70): VV006995.D (-2084) (-)

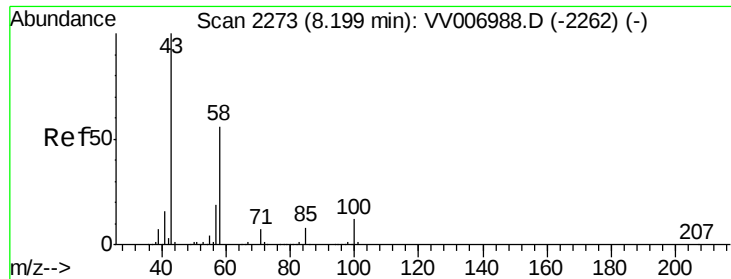


#47
 Tetrachloroethene
 Concen: 0.20 ug/L
 RT: 8.03 min Scan# 2219
 Delta R.T. 0.00 min
 Lab File: VV006995.D
 Acq: 10 Aug 2018 20:28

Tgt Ion:	164	Resp:	3224
Ion	Ratio	Lower	Upper
164	100		
129	87.5	65.9	122.3
131	81.0	64.2	119.2
166	131.0	89.4	166.0

Abundance Ion 163.90 (163.60 to 164.60): VV006995.D (-2125) (-)
 Ion 128.95 (128.65 to 129.65): VV006995.D (-2125) (-)
 Ion 130.95 (130.65 to 131.65): VV006995.D (-2125) (-)
 Ion 165.90 (165.60 to 166.60): VV006995.D (-2125) (-)





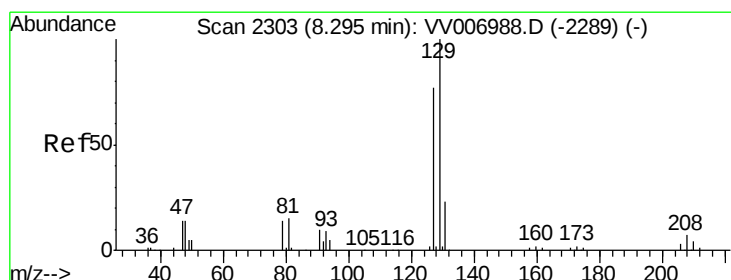
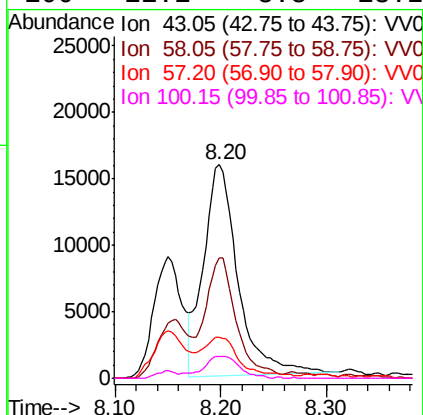
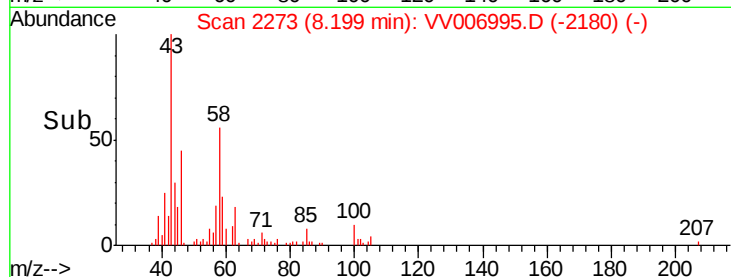
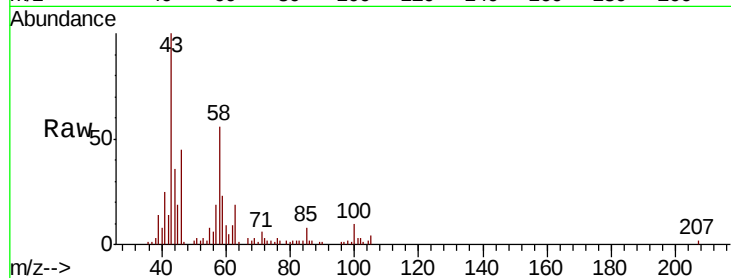
#48
2-Hexanone
Concen: 4.21 ug/L
RT: 8.20 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VV006995.D
Acq: 10 Aug 2018 20:28

Instrument :
MSVOA_V
ClientSampled :
MDL06

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
58	49.0	44.2	66.2	
57	19.0	14.8	22.2	
100	11.1	8.8	13.2	

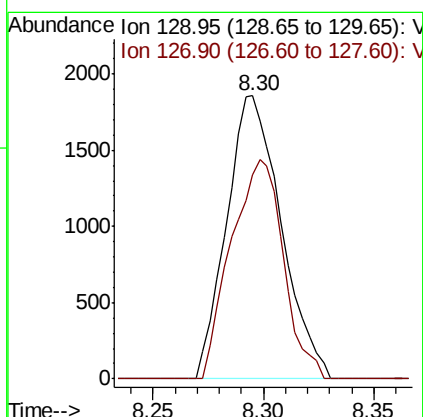
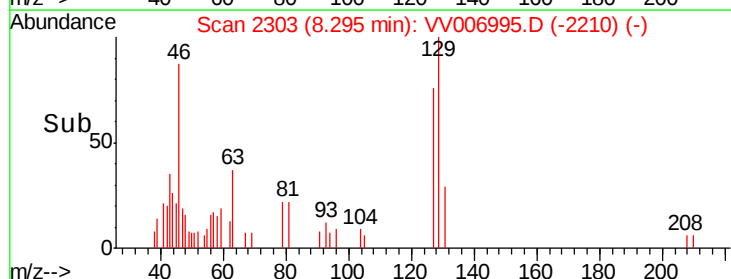
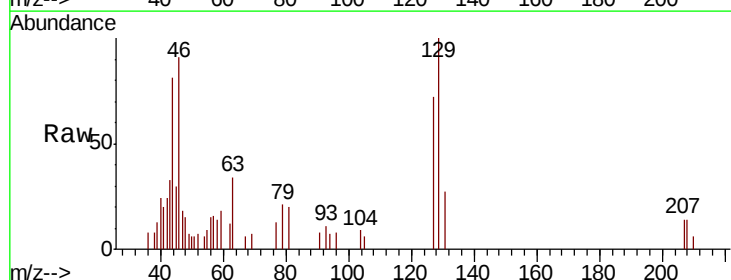
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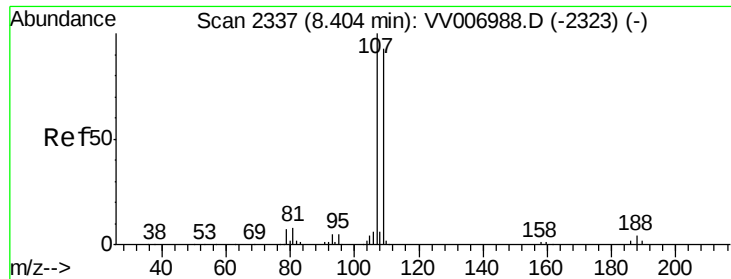
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#49
Dibromochloromethane
Concen: 0.21 ug/L
RT: 8.30 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VV006995.D
Acq: 10 Aug 2018 20:28

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	72.1	53.3	98.9	





#50

1,2-Dibromoethane

Concen: 0.21 ug/L

RT: 8.40 min Scan# 2337

Delta R.T. 0.00 min

Lab File: VV006995.D

Acq: 10 Aug 2018 20:28

Instrument :

MSVOA_V

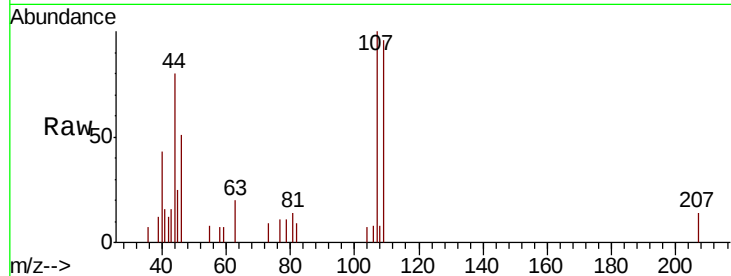
ClientSampleId :

MDL06

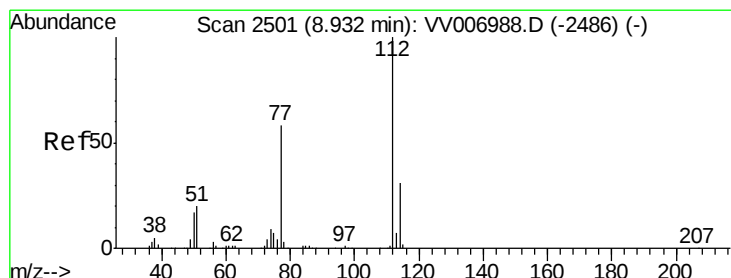
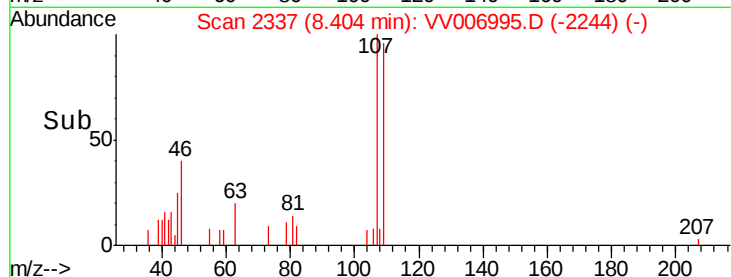
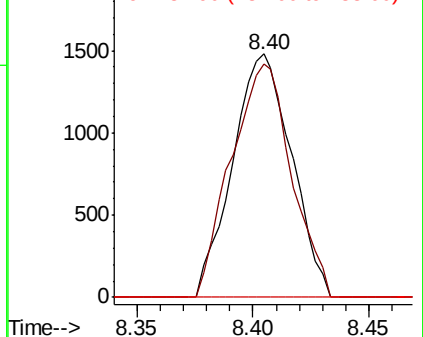
Tot Ion:	107	Resp:	2606
Ion Ratio	Lower	Upper	
107	100		
109	95.7	64.1	119.1
188	0.0	4.0	6.0#

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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: 0.19 ug/L

RT: 8.93 min Scan# 2501

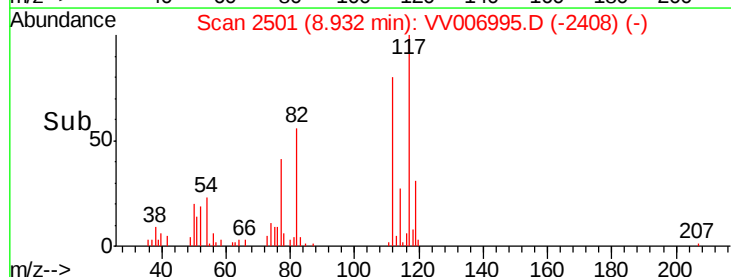
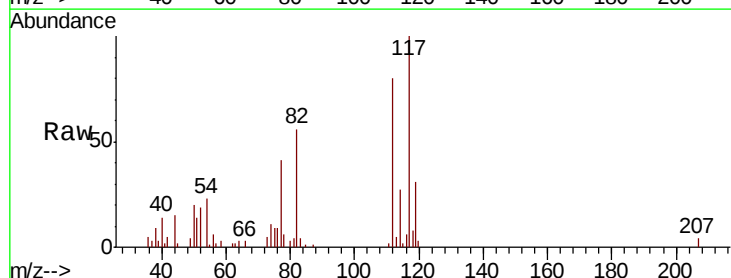
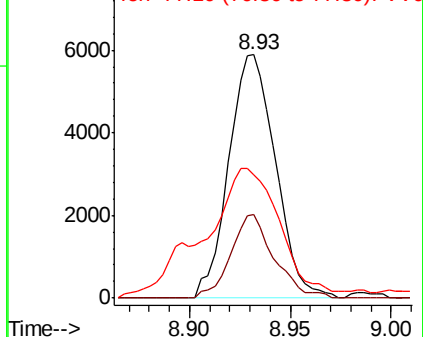
Delta R.T. 0.00 min

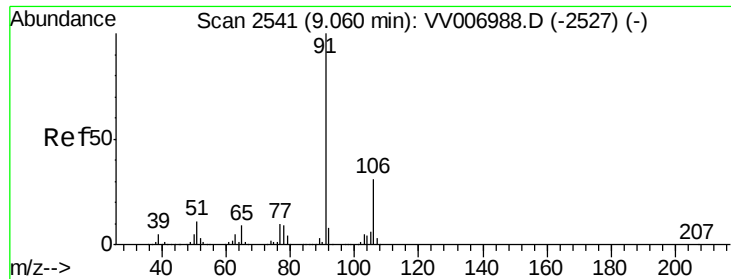
Lab File: VV006995.D

Acq: 10 Aug 2018 20:28

Tgt Ion:	112	Resp:	9572
Ion Ratio	Lower	Upper	
112	100		
114	34.1	21.8	40.6
77	50.8	48.0	72.0

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: 0.18 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. 0.00 min

Lab File: VV006995.D

Acq: 10 Aug 2018 20:28

Instrument :

MSVOA_V

ClientSampled :

MDL06

Tot Ion: 91 Resp: 13967

Ion Ratio Lower Upper

91 100

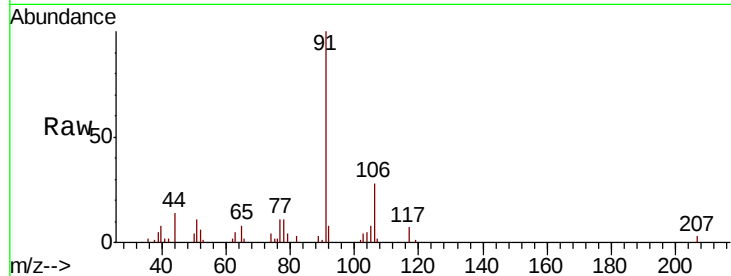
106 27.7 21.3 39.5

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Abundance Ion 91.15 (90.85 to 91.85): VV006988.D (-2527) (-)

Ion 106.15 (105.85 to 106.85): VV006988.D (-2527) (-)

9.06

10000

8000

6000

4000

2000

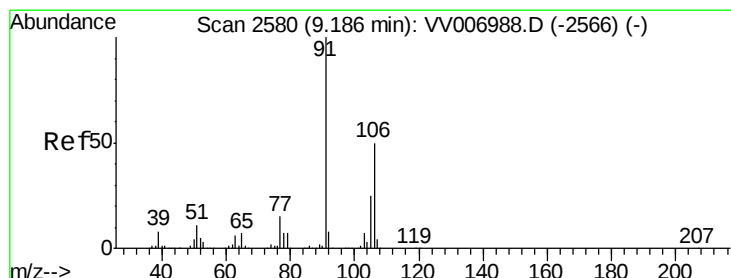
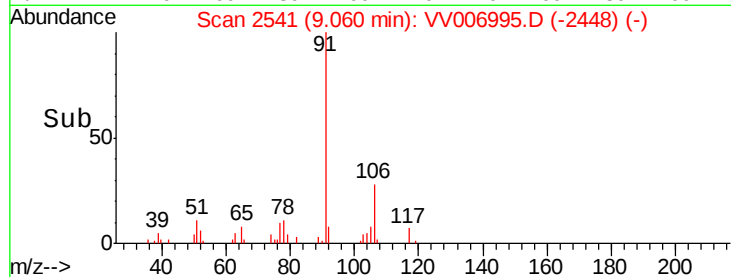
0

Time-->

9.00

9.05

9.10



#53

m,p-xylene

Concen: 0.16 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. 0.00 min

Lab File: VV006995.D

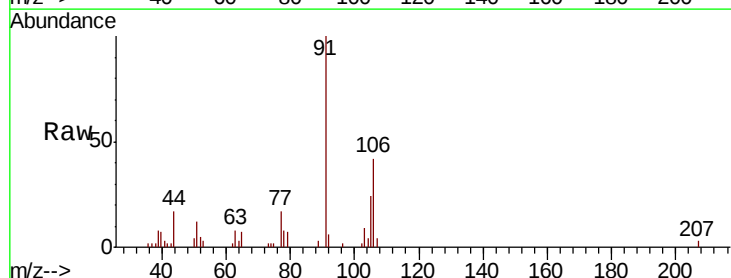
Acq: 10 Aug 2018 20:28

Tgt Ion: 106 Resp: 4729

Ion Ratio Lower Upper

106 100

91 240.1 141.6 263.0



Abundance Ion 106.15 (105.85 to 106.85): VV006988.D (-2566) (-)

Ion 91.15 (90.85 to 91.85): VV006988.D (-2566) (-)

9.19

6000

4000

2000

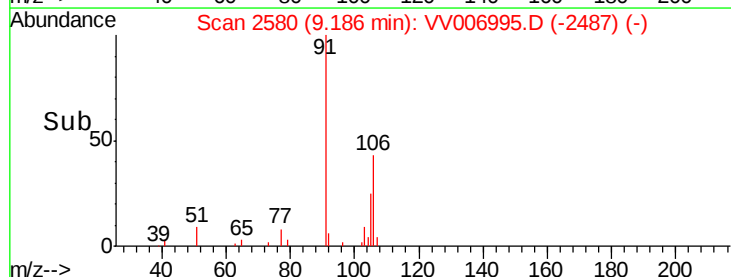
0

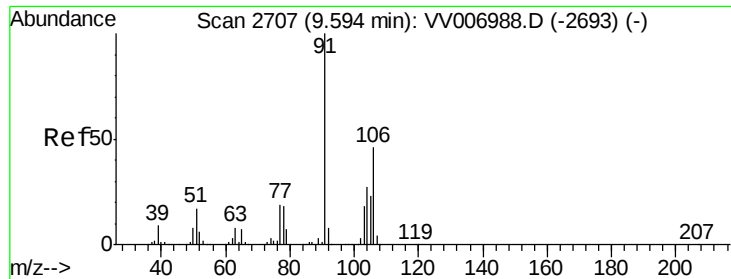
Time-->

9.15

9.20

9.25





#54

o-xylene

Concen: 0.17 ug/L

RT: 9.59 min Scan# 2706

Delta R.T. -0.00 min

Lab File: VV006995.D

Acq: 10 Aug 2018 20:28

Instrument :

MSVOA_V

ClientSampleId :

MDL06

Tot Ion:106 Resp: 4624

Ion Ratio Lower Upper

106 100

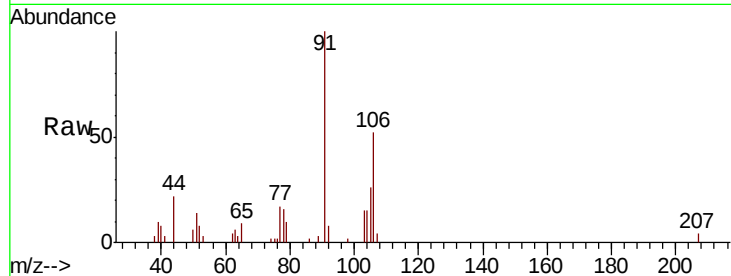
91 193.9 149.8 278.2

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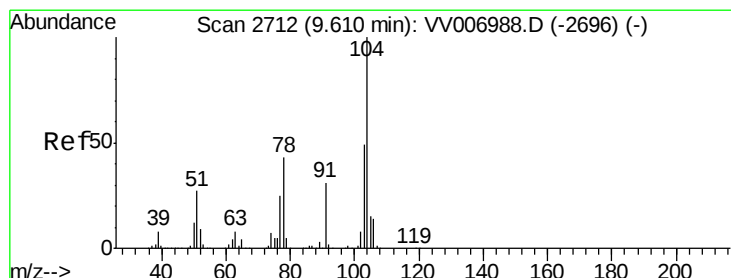
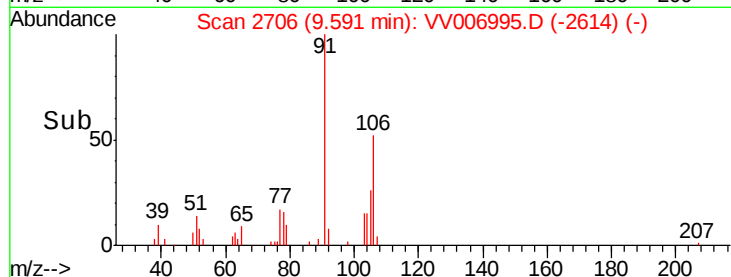
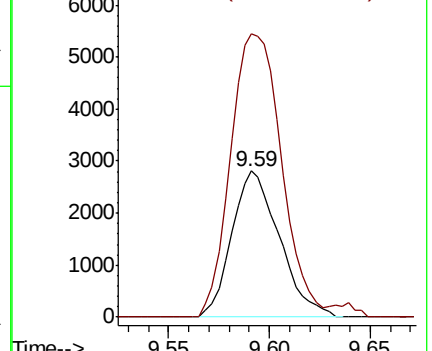
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Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 0.15 ug/L

RT: 9.61 min Scan# 2713

Delta R.T. 0.00 min

Lab File: VV006995.D

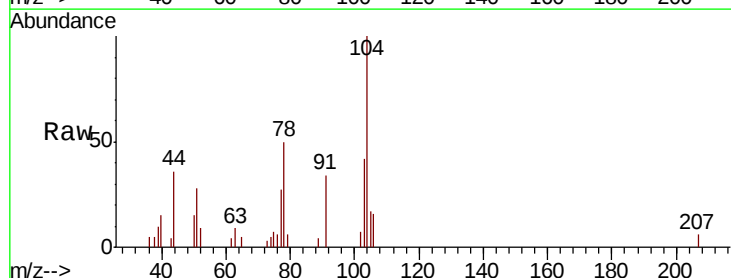
Acq: 10 Aug 2018 20:28

Tgt Ion:104 Resp: 6900

Ion Ratio Lower Upper

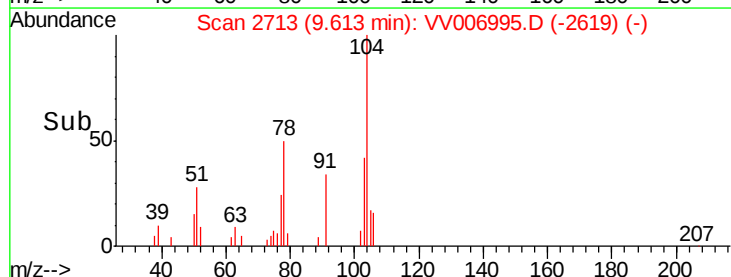
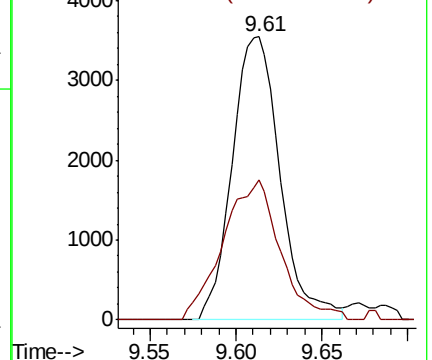
104 100

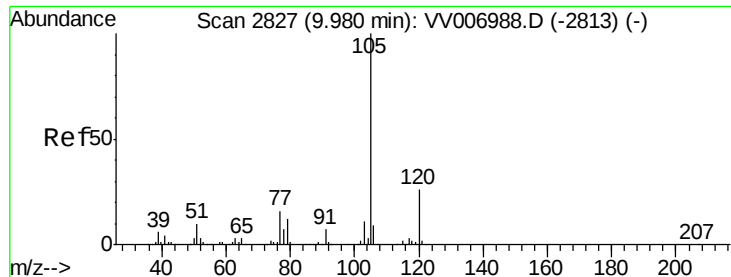
78 49.6 30.4 56.5



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





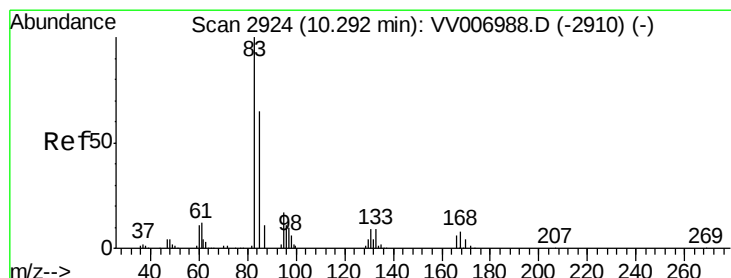
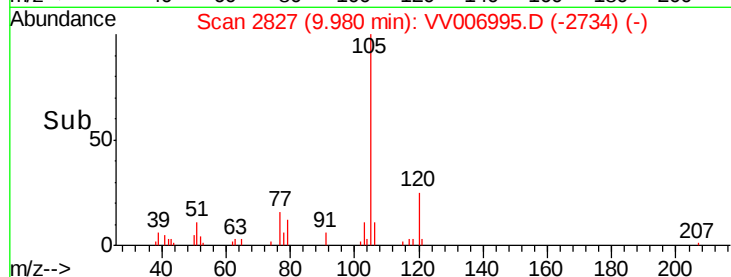
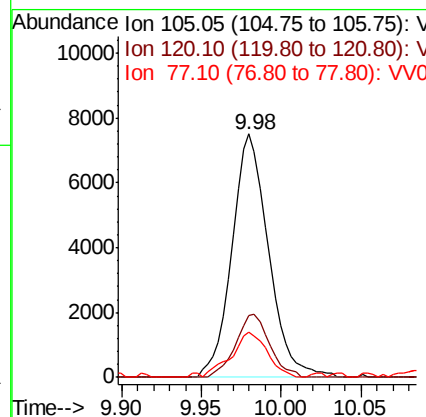
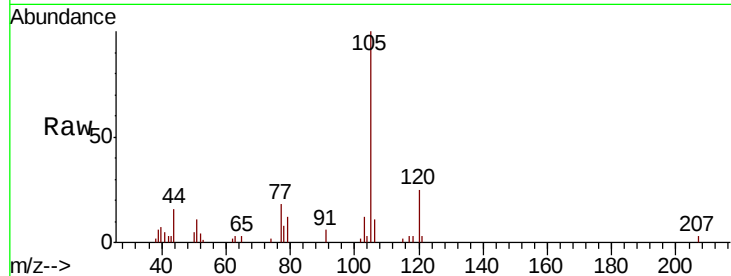
#56
Isopropylbenzene
Concen: 0.16 ug/L
RT: 9.98 min Scan# 2827
Delta R.T. 0.00 min
Lab File: VV006995.D
Acq: 10 Aug 2018 20:28

Instrument :
MSVOA_V
ClientSampled :
MDL06

Tot Ion	Ratio	Lower	Upper
105	100		
120	23.8	21.1	31.7
77	18.4	13.0	19.4

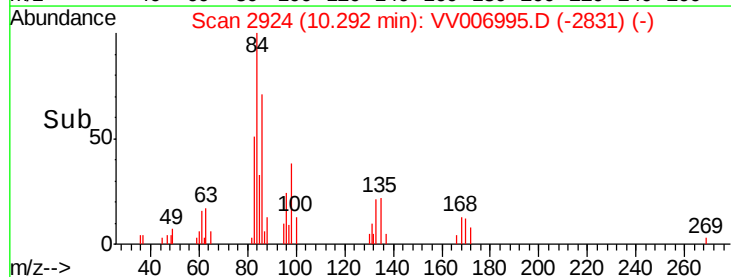
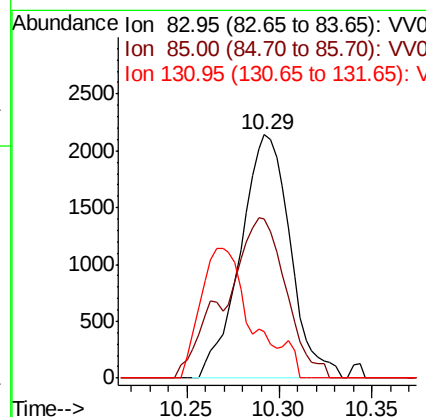
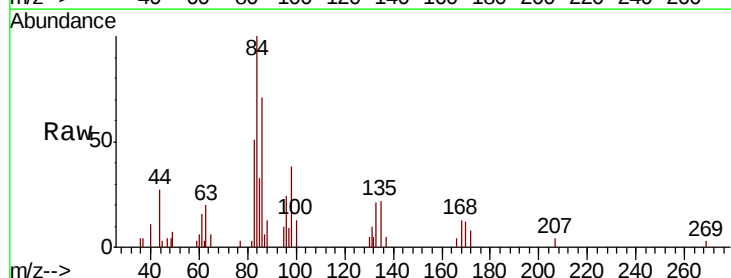
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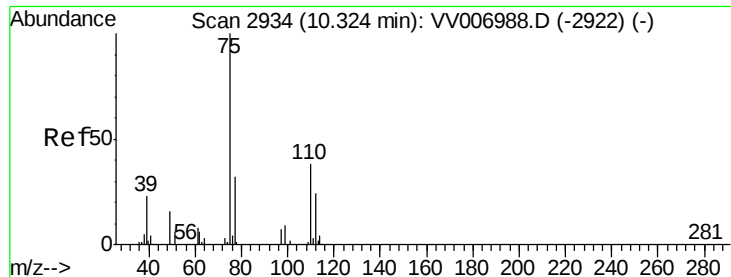
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#58
1,1,2,2-Tetrachloroethane
Concen: 0.22 ug/L
RT: 10.29 min Scan# 2924
Delta R.T. 0.00 min
Lab File: VV006995.D
Acq: 10 Aug 2018 20:28

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	43.0	79.8
131	19.0	7.4	11.2#





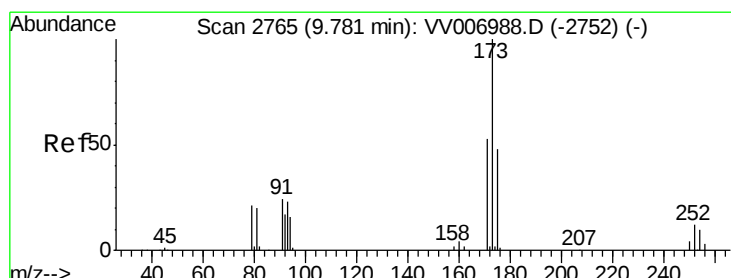
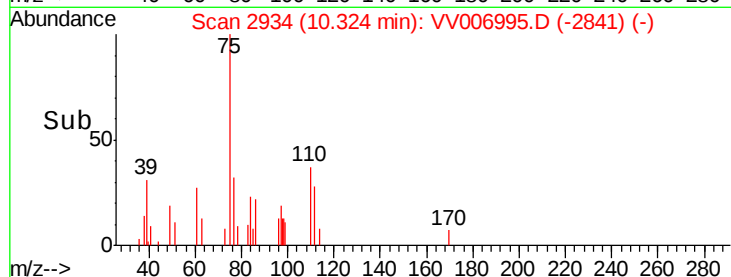
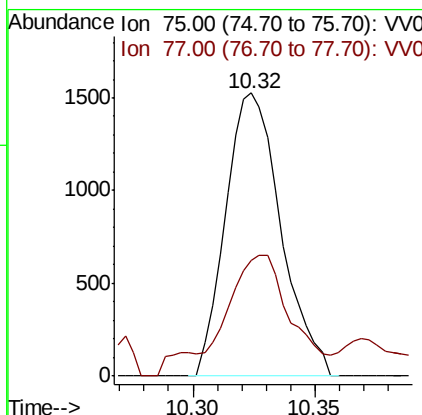
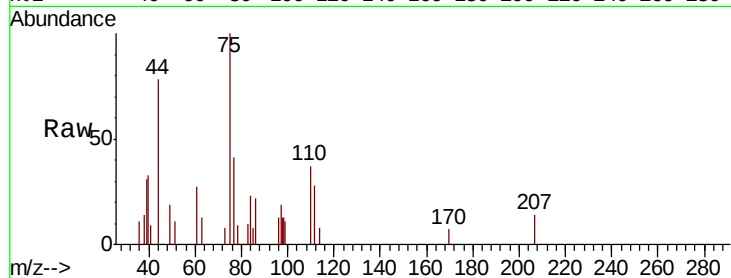
#59
 1,2,3-Trichloropropane
 Concen: 0.19 ug/L
 RT: 10.32 min Scan# 2934
 Delta R.T. 0.00 min
 Lab File: VV006995.D
 Acq: 10 Aug 2018 20:28

Instrument :
 MSVOA_V
 ClientSampled :
 MDL06

Tot Ion: 75 Resp: 2399
 Ion Ratio Lower Upper
 75 100
 77 53.1 25.4 38.0#

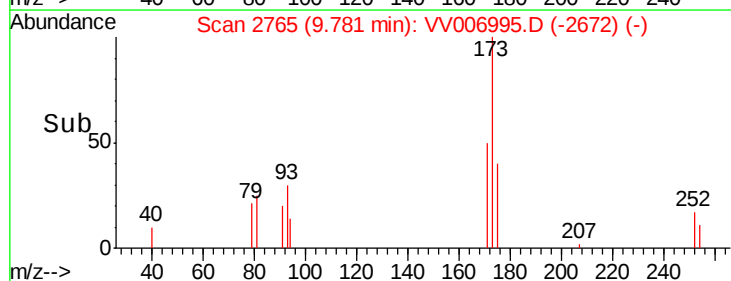
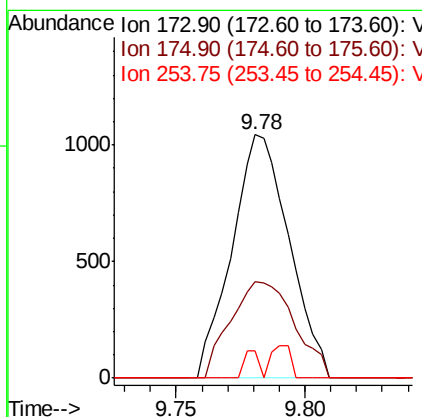
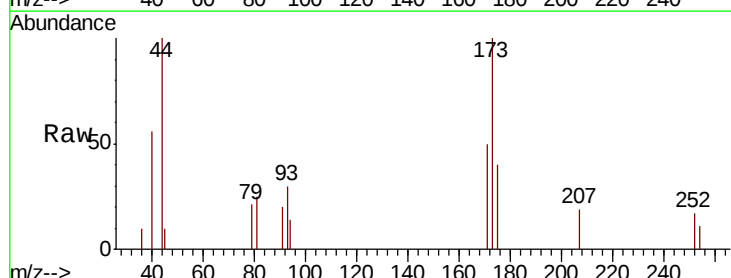
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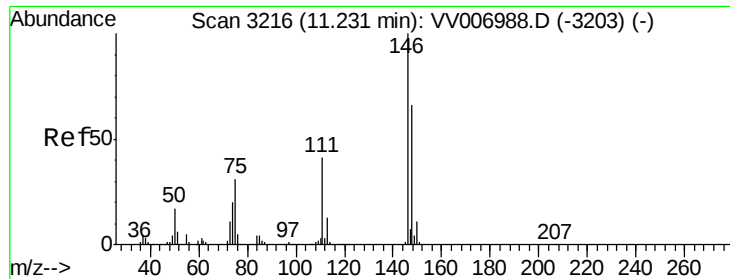
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#61
 Bromoform
 Concen: 0.22 ug/L
 RT: 9.78 min Scan# 2765
 Delta R.T. 0.00 min
 Lab File: VV006995.D
 Acq: 10 Aug 2018 20:28

Tgt Ion: 173 Resp: 1615
 Ion Ratio Lower Upper
 173 100
 175 44.5 39.3 58.9
 254 2.8 8.3 12.5#





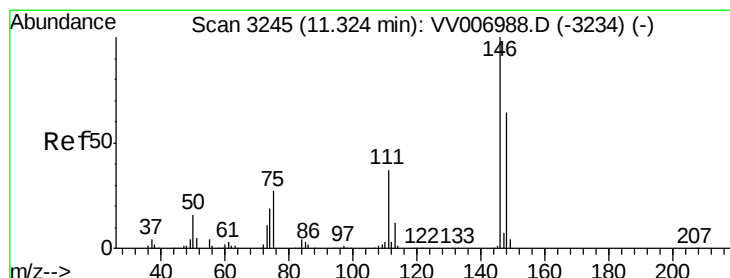
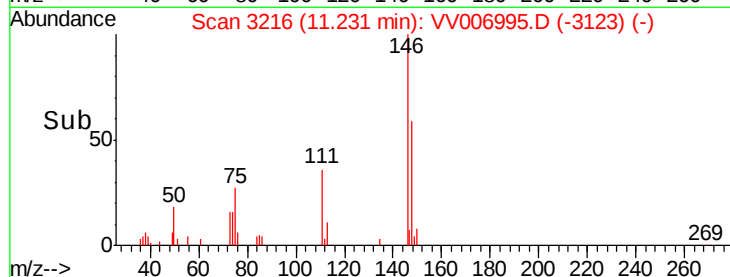
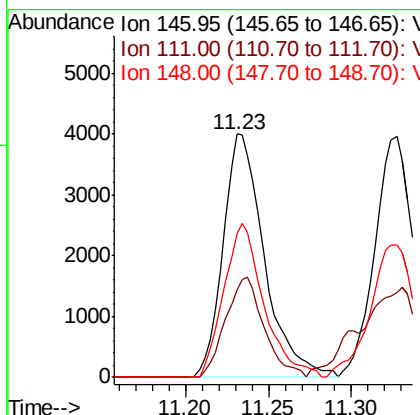
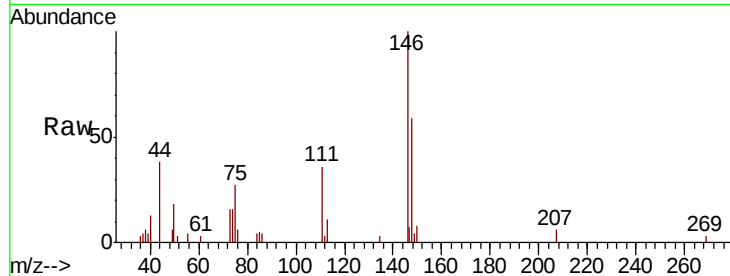
#62
 1,3-Dichlorobenzene
 Concen: 0.22 ug/L
 RT: 11.23 min Scan# 3216
 Delta R.T. 0.00 min
 Lab File: VV006995.D
 Acq: 10 Aug 2018 20:28

Instrument :
 MSVOA_V
 ClientSampled :
 MDL06

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.7	28.1	52.3
148	59.0	44.2	82.2

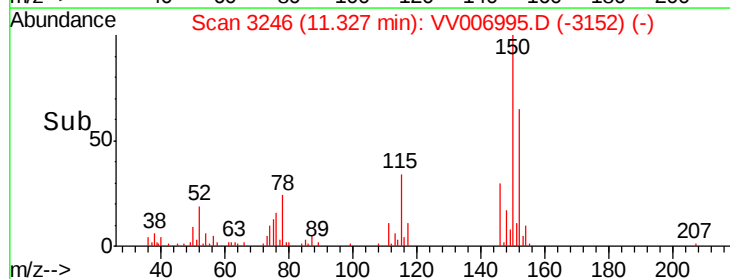
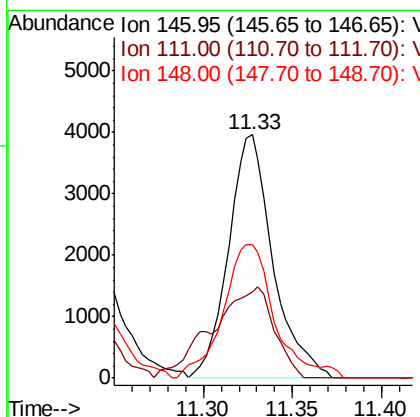
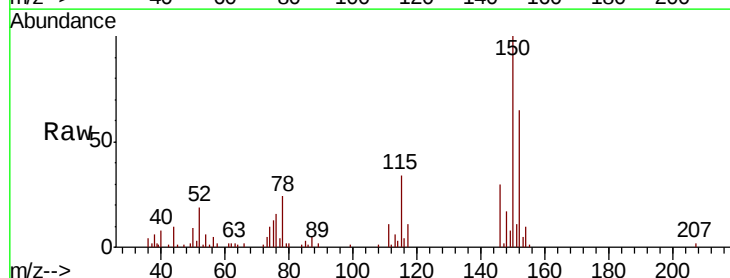
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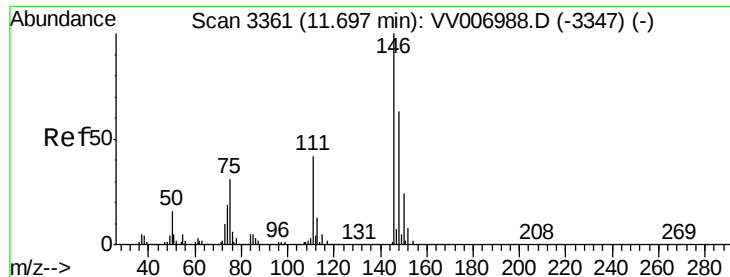
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#63
 1,4-Dichlorobenzene
 Concen: 0.22 ug/L
 RT: 11.33 min Scan# 3246
 Delta R.T. 0.00 min
 Lab File: VV006995.D
 Acq: 10 Aug 2018 20:28

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.4	26.6	49.4
148	54.9	46.4	86.2





#65

1,2-Dichlorobenzene

Concen: 0.21 ug/L

RT: 11.70 min Scan# 3361

Delta R.T. 0.00 min

Lab File: VV006995.D

Acq: 10 Aug 2018 20:28

Instrument :

MSVOA_V

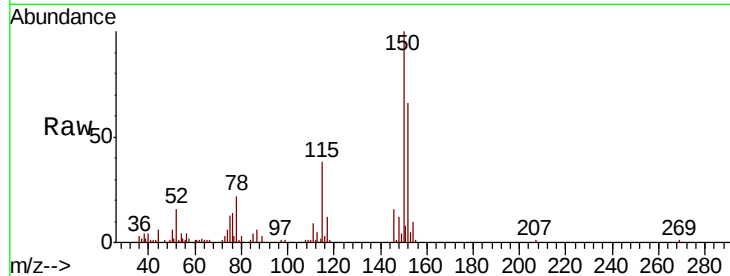
ClientSampleId :

MDL06

Tot Ion	Ratio	Lower	Upper
146	100		
111	51.9	33.0	49.6#
148	70.6	50.6	75.8

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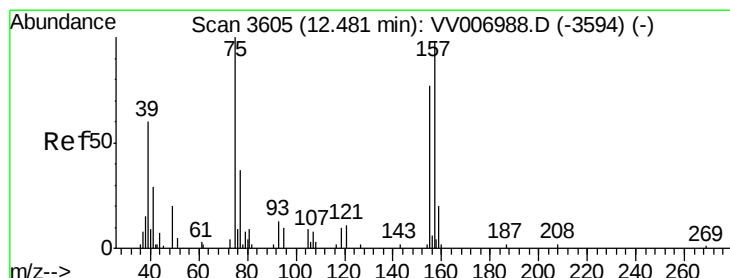
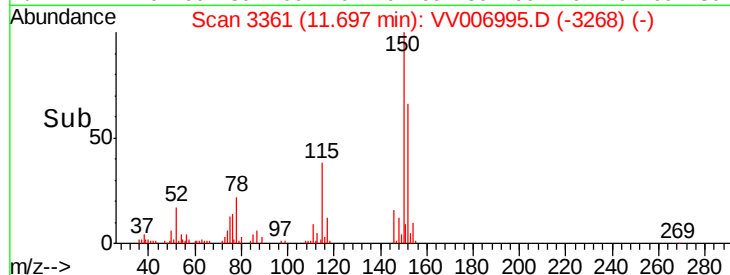
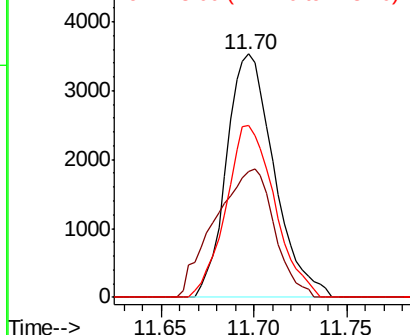


Abundance

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: 0.23 ug/L

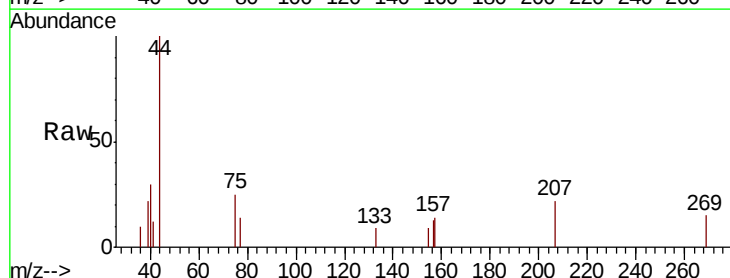
RT: 12.49 min Scan# 3608

Delta R.T. 0.01 min

Lab File: VV006995.D

Acq: 10 Aug 2018 20:28

Tgt Ion	Ratio	Lower	Upper
75	100		
155	38.3	62.6	94.0#
157	107.0	77.0	115.6

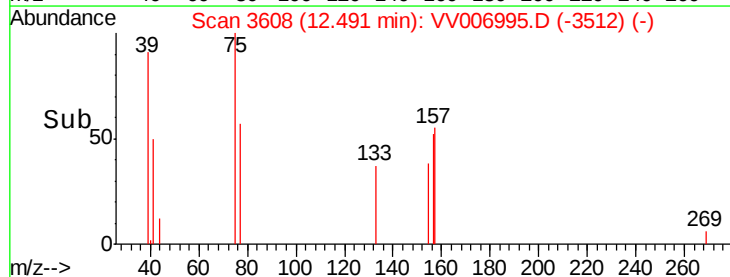
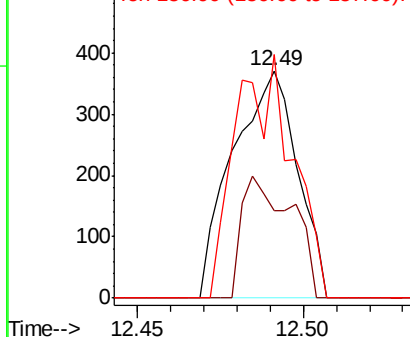


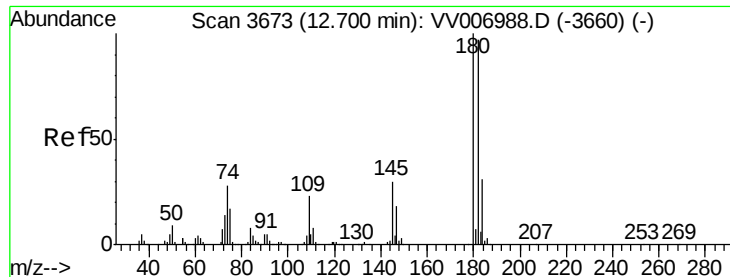
Abundance

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





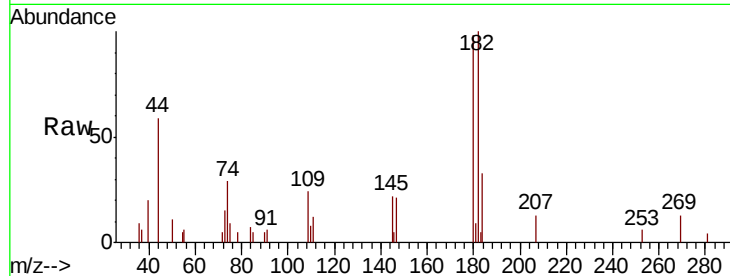
#67
 1,3,5-Trichlorobenzene
 Concen: 0.19 ug/L
 RT: 12.70 min Scan# 3674
 Delta R.T. 0.00 min
 Lab File: VV006995.D
 Acq: 10 Aug 2018 20:28

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL06

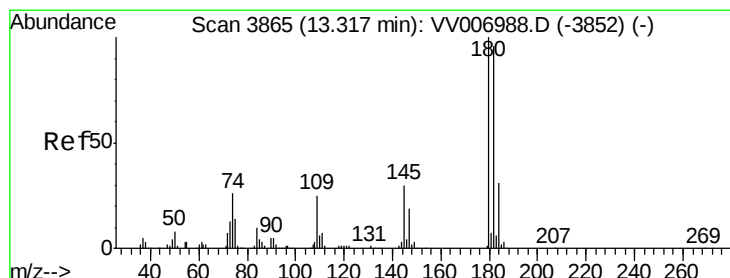
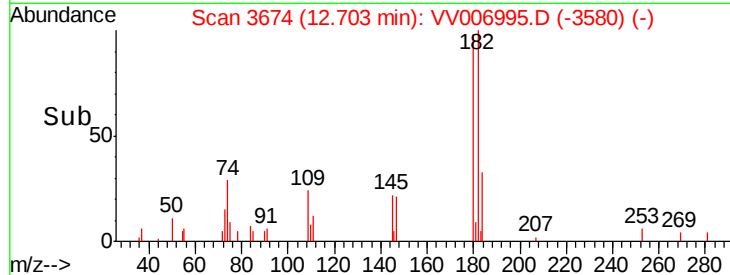
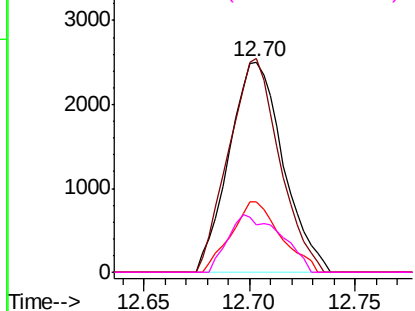
Tot Ion:	180	Resp:	4445
Ion	Ratio	Lower	Upper
180	100		
182	95.3	75.1	112.7
184	30.8	23.8	35.8
145	26.9	21.9	32.9

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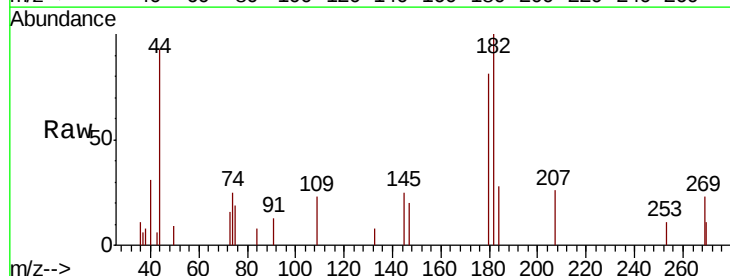


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

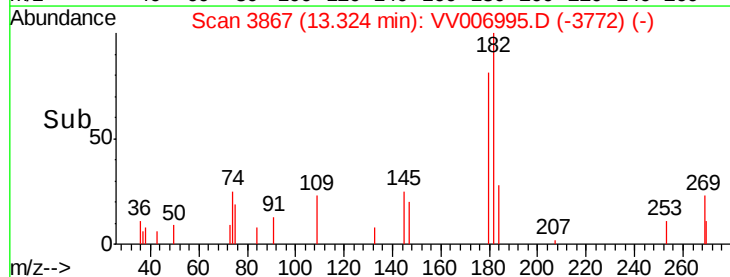
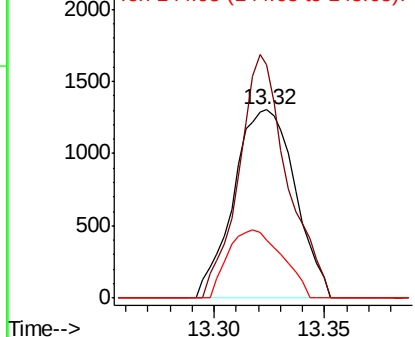


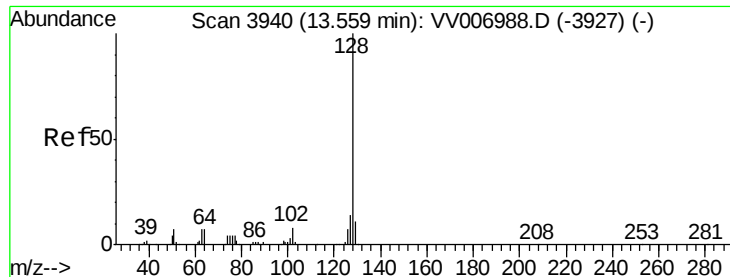
#68
 1,2,4-trichlorobenzene
 Concen: 0.15 ug/L
 RT: 13.32 min Scan# 3867
 Delta R.T. 0.01 min
 Lab File: VV006995.D
 Acq: 10 Aug 2018 20:28

Tgt Ion:	180	Resp:	2514
Ion	Ratio	Lower	Upper
180	100		
182	102.1	76.5	114.7
145	31.9	23.6	35.4



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





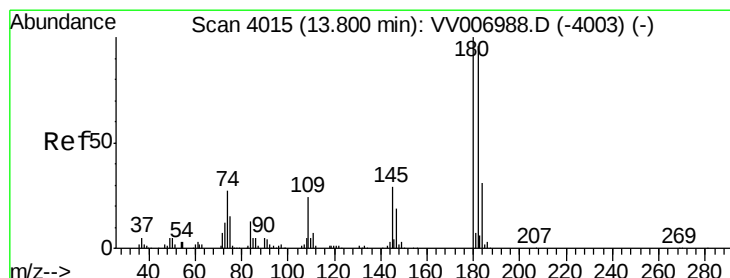
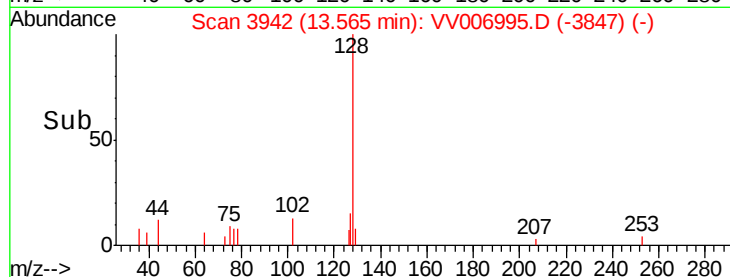
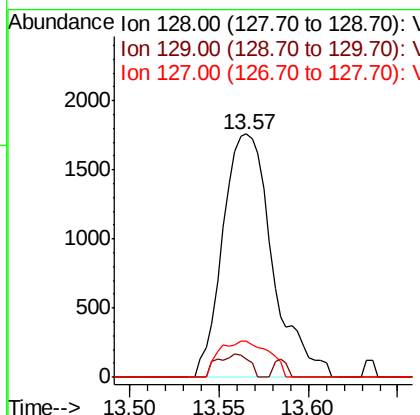
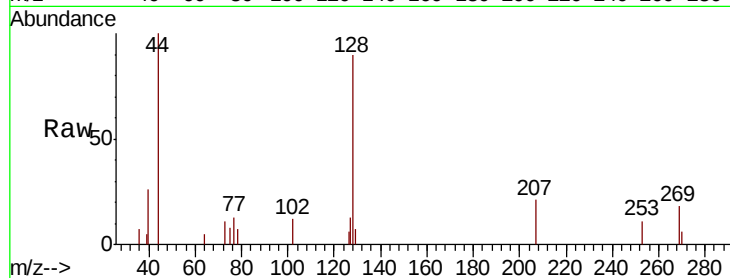
#69
Naphthalene
Concen: 0.14 ug/L
RT: 13.57 min Scan# 3942
Delta R.T. 0.01 min
Lab File: VV006995.D
Acq: 10 Aug 2018 20:28

Instrument :
MSVOA_V
ClientSampleId :
MDL06

Tot Ion	Ratio	Lower	Upper
128	100		
129	6.1	8.5	12.7#
127	14.8	10.6	16.0

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#70
1,2,3-Trichlorobenzene
Concen: 0.15 ug/L
RT: 13.80 min Scan# 4016
Delta R.T. 0.00 min
Lab File: VV006995.D
Acq: 10 Aug 2018 20:28

Tgt Ion	Ratio	Lower	Upper
180	100		
182	108.5	76.1	114.1
145	27.3	24.6	36.8

