

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081018\
 Data File : VV006993.D
 Acq On : 10 Aug 2018 19:35
 Operator : SY/MD
 Sample : MDL04
 Misc : 25 mL/MSVOA V/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

Manual Integrations
 APPROVED

apatel
 8/13/2018 5:35:00 PM

Quant Time: Aug 13 09:10:34 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	242771	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	235411	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	94969	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	66652	4.25	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.00%
7) Chloroethane-d5	1.58	69	60631	4.56	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.20%
11) 1,1-Dichloroethene-d2	2.13	63	90940	3.09	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	61.80%
20) 2-Butanone-d5	3.97	46	227739	50.53	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.06%
24) Chloroform-d	4.41	84	154717	4.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.40%
26) 1,2-Dichloroethane-d4	5.09	65	80391	5.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.20%
32) Benzene-d6	5.10	84	279808	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.60%
36) 1,2-Dichloropropane-d6	6.13	67	100045	4.84	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.80%
41) Toluene-d8	7.37	98	206969	4.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.40%
43) trans-1,3-Dichloropropene-	7.67	79	29838	4.15	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.00%
46) 2-Hexanone-d5	8.15	63	117463	39.93	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	79.86%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	74540	4.63	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.60%
64) 1,2-Dichlorobenzene-d4	11.68	152	80008	4.84	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	3956	0.17 ug/L	95
3) Chloromethane	1.25	50	4303	0.19 ug/L #	82
5) Vinyl chloride	1.32	62	4293	0.18 ug/L #	75
6) Bromomethane	1.54	94	898	0.18 ug/L	95
8) Chloroethane	1.60	64	2555	0.18 ug/L	88
9) Trichlorofluoromethane	1.77	101	4919	0.16 ug/L	85
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	3779	0.21 ug/L	89
12) 1,1-Dichloroethene	2.14	96	3641	0.21 ug/L #	1
13) Acetone	2.20	43	4444	1.92 ug/L	87
14) Carbon disulfide	2.32	76	9795	0.17 ug/L #	82
15) Methyl Acetate	2.47	43	1440	0.22 ug/L	92
16) Methylene chloride	2.54	84	4972	0.24 ug/L	93
17) Methyl tert-butyl Ether	2.82	73	6949	0.17 ug/L	93
18) trans-1,2-Dichloroethene	2.79	96	3354	0.18 ug/L	92
19) 1,1-Dichloroethane	3.23	63	5722	0.17 ug/L	98
21) 2-Butanone	4.06	43	7845	1.56 ug/L	79
22) cis-1,2-Dichloroethene	3.97	96	4045	0.19 ug/L	93

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Manual Integrations
 APPROVED

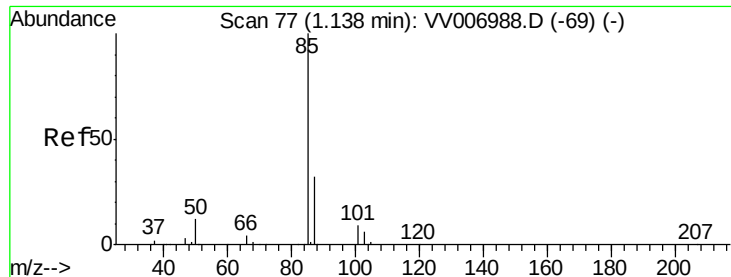
apatel
 8/13/2018 5:35:00 PM

Quant Time: Aug 13 09:10:34 2018
 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	4.31	128	1521	0.18	ug/L #	67
25) Chloroform	4.43	83	7204	0.20	ug/L	85
27) 1,2-Dichloroethane	5.19	62	3780	0.16	ug/L #	88
29) 1,1,1-Trichloroethane	4.66	97	5605	0.18	ug/L	94
30) Cyclohexane	4.72	56	4604	0.14	ug/L	96
31) Carbon tetrachloride	4.88	117	3965	0.15	ug/L	96
33) Benzene	5.15	78	13341	0.16	ug/L	100
34) Trichloroethene	5.96	95	2966	0.15	ug/L	88
35) Methylcyclohexane	6.18	83	4290	0.14	ug/L	96
37) 1,2-Dichloropropane	6.23	63	3384	0.15	ug/L #	87
38) Bromodichloromethane	6.56	83	4078	0.16	ug/L #	89
39) cis-1,3-Dichloropropene	7.08	75	3949	0.15	ug/L	96
40) 4-Methyl-2-pentanone	7.29	43	14738	1.22	ug/L #	89
42) Toluene	7.44	91	12129	0.15	ug/L	95
44) trans-1,3-Dichloropropene	7.70	75	3146m	0.14	ug/L	
45) 1,1,2-Trichloroethane	7.89	97	2273	0.16	ug/L	93
47) Tetrachloroethene	8.03	164	2680	0.17	ug/L	94
48) 2-Hexanone	8.20	43	29550	3.47	ug/L	95
49) Dibromochloromethane	8.30	129	2188	0.14	ug/L	97
50) 1,2-Dibromoethane	8.40	107	1810	0.15	ug/L #	91
51) Chlorobenzene	8.93	112	7173	0.14	ug/L	85
52) Ethylbenzene	9.06	91	10427	0.13	ug/L	99
53) m,p-xylene	9.19	106	3963	0.14	ug/L	87
54) o-xylene	9.59	106	3472	0.13	ug/L	92
55) Styrene	9.61	104	5048	0.11	ug/L	100
56) Isopropylbenzene	9.98	105	8830	0.12	ug/L #	96
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	3030	0.17	ug/L #	68
59) 1,2,3-Trichloropropane	10.32	75	1919	0.15	ug/L #	64
61) Bromoform	9.78	173	1131	0.16	ug/L #	83
62) 1,3-Dichlorobenzene	11.23	146	4655	0.15	ug/L	97
63) 1,4-Dichlorobenzene	11.32	146	5182	0.16	ug/L	98
65) 1,2-Dichlorobenzene	11.70	146	4965	0.16	ug/L #	88
66) 1,2-Dibromo-3-chloropropan	12.48	75	376	0.18	ug/L #	66
67) 1,3,5-Trichlorobenzene	12.70	180	3331	0.14	ug/L	94
68) 1,2,4-trichlorobenzene	13.32	180	2112	0.12	ug/L	90
69) Naphthalene	13.56	128	2596	0.11	ug/L #	90
70) 1,2,3-Trichlorobenzene	13.81	180	1917	0.12	ug/L #	94

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



#2

Dichlorodifluoromethane

Concen: 0.17 ug/L

RT: 1.14 min Scan# 77

Delta R.T. 0.00 min

Lab File: VV006993.D

Acq: 10 Aug 2018 19:35

Instrument :

MSVOA_V

ClientSampleId :

MDL04

Tot Ion: 85 Resp: 3956

Ion Ratio Lower Upper

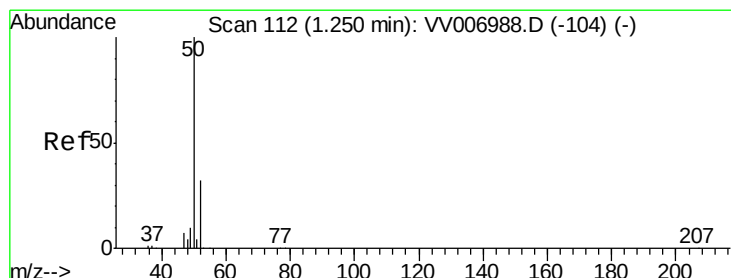
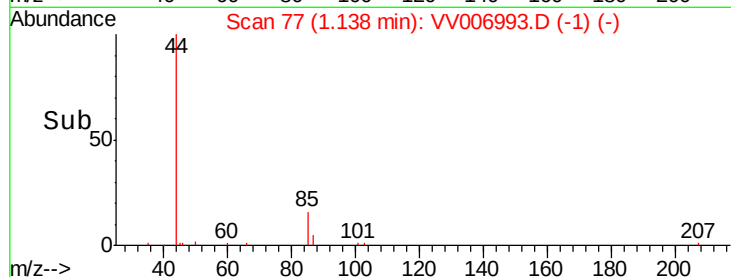
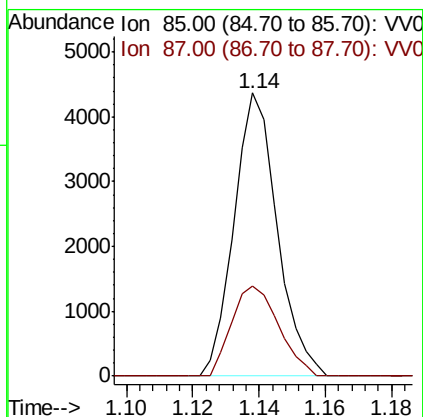
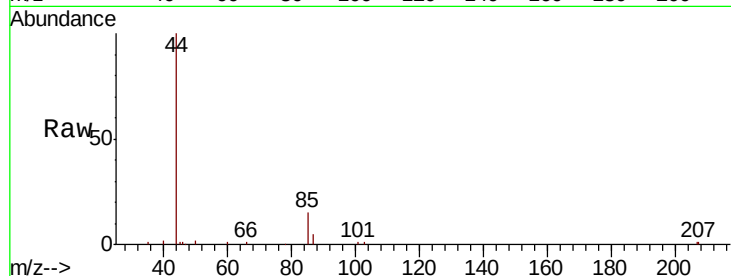
85 100

87 34.7 25.4 38.2

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#3

Chloromethane

Concen: 0.19 ug/L

RT: 1.25 min Scan# 112

Delta R.T. 0.00 min

Lab File: VV006993.D

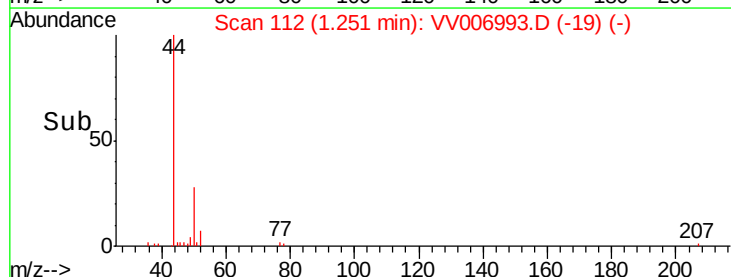
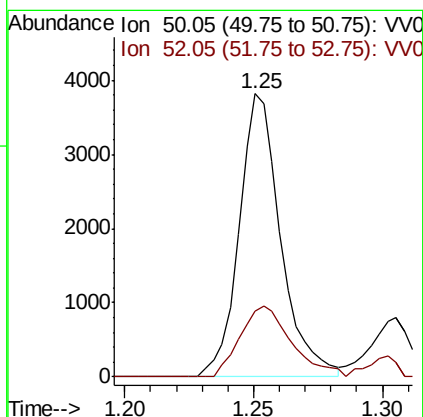
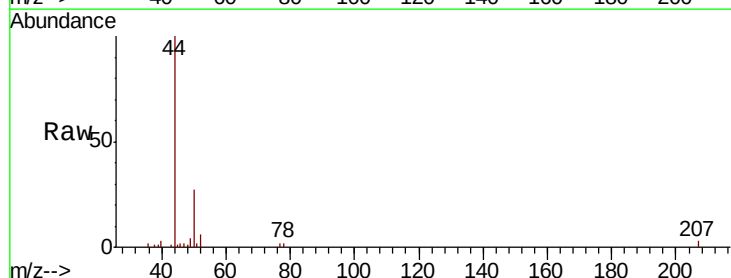
Acq: 10 Aug 2018 19:35

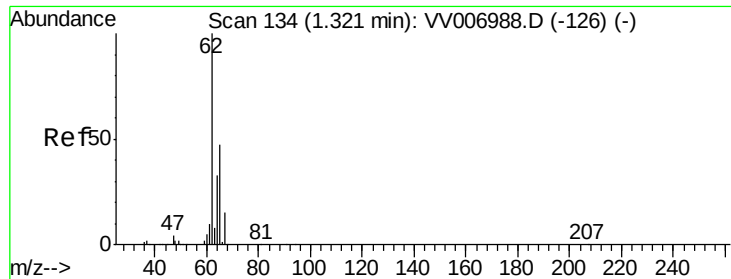
Tgt Ion: 50 Resp: 4303

Ion Ratio Lower Upper

50 100

52 23.2 23.6 43.8#





#5

Vinyl chloride

Concen: 0.18 ug/L

RT: 1.32 min Scan# 134

Delta R.T. 0.00 min

Lab File: VV006993.D

Acq: 10 Aug 2018 19:35

Instrument :

MSVOA_V

ClientSampled :

MDL04

Tot Ion: 62 Resp: 4293

Ion Ratio Lower Upper

62 100

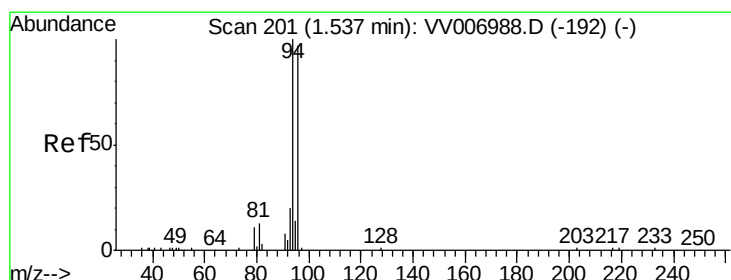
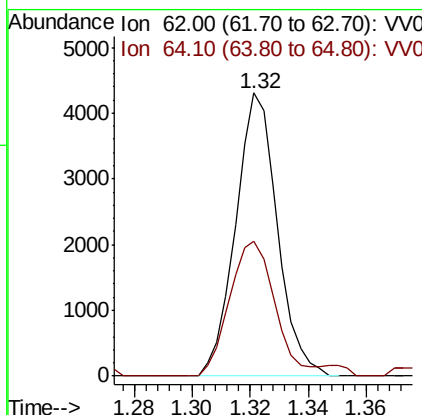
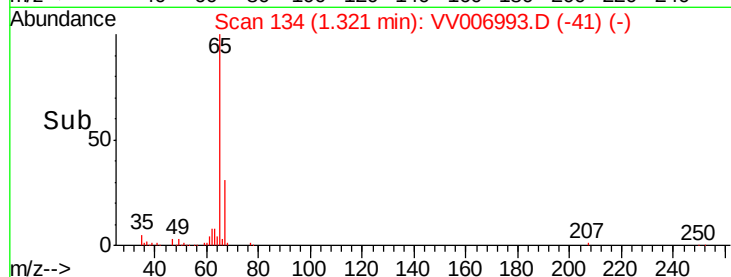
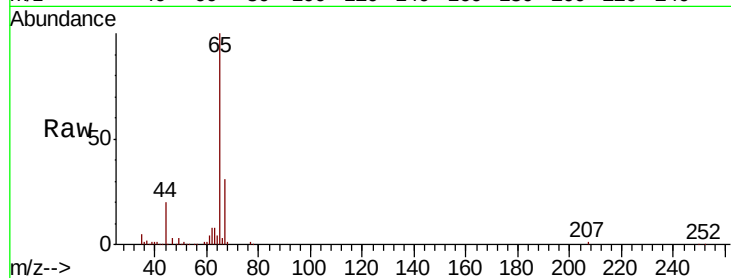
64 47.6 23.5 43.7#

Manual Integrations

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#6

Bromomethane

Concen: 0.18 ug/L

RT: 1.54 min Scan# 201

Delta R.T. 0.00 min

Lab File: VV006993.D

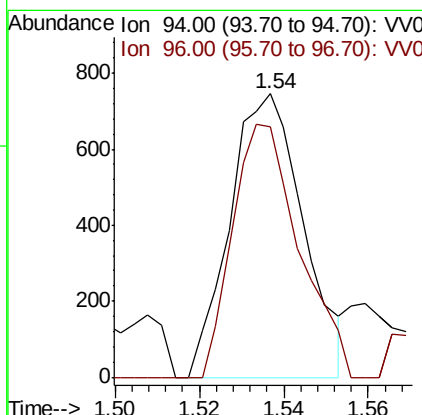
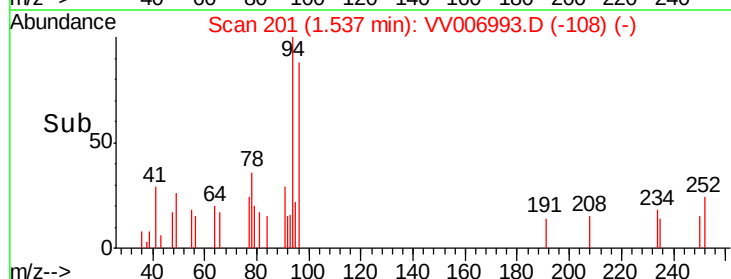
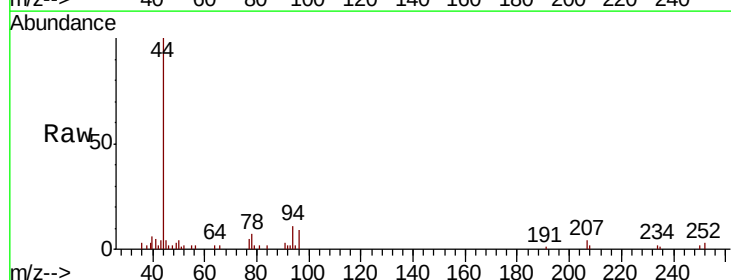
Acq: 10 Aug 2018 19:35

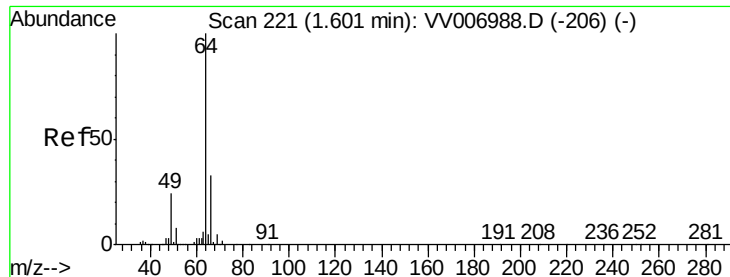
Tgt Ion: 94 Resp: 898

Ion Ratio Lower Upper

94 100

96 88.3 65.0 120.6





#8

Chloroethane

Concen: 0.18 ug/L

RT: 1.60 min Scan# 221

Delta R.T. 0.00 min

Lab File: VV006993.D

Acq: 10 Aug 2018 19:35

Instrument :

MSVOA_V

ClientSampleId :

MDL04

Tot Ion: 64 Resp: 2555

Ion Ratio Lower Upper

64 100

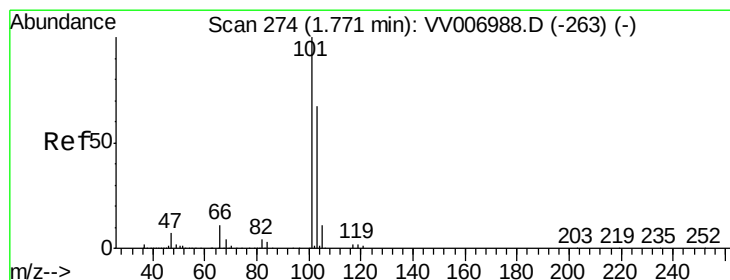
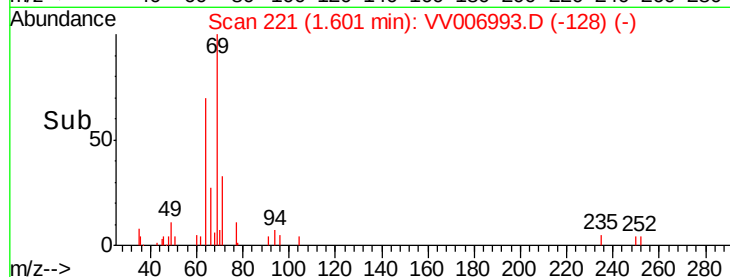
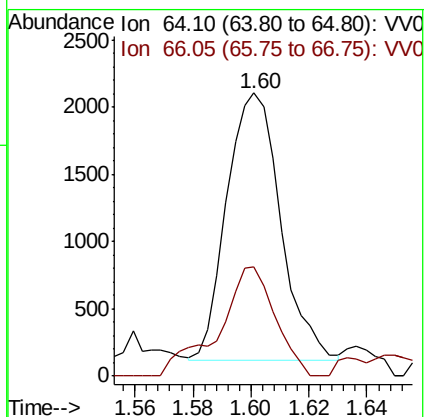
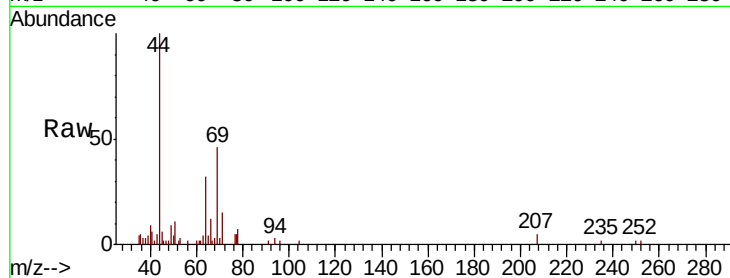
66 38.7 22.6 42.0

Manual Integrations

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#9

Trichlorofluoromethane

Concen: 0.16 ug/L

RT: 1.77 min Scan# 274

Delta R.T. 0.00 min

Lab File: VV006993.D

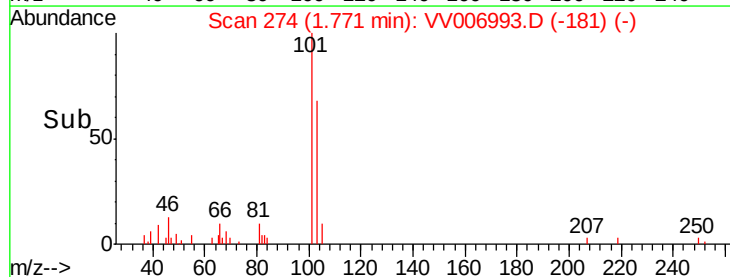
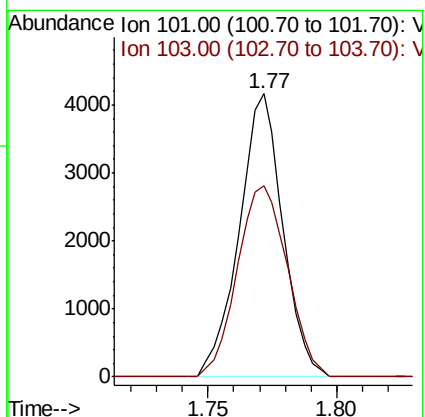
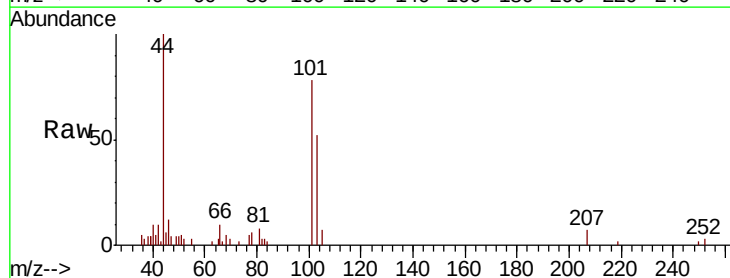
Acq: 10 Aug 2018 19:35

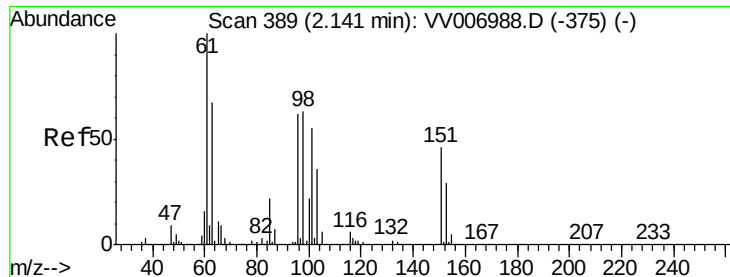
Tgt Ion: 101 Resp: 4919

Ion Ratio Lower Upper

101 100

103 77.7 52.7 79.1





#10

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

Concen: 0.21 ug/L

RT: 2.14 min Scan# 389

Delta R.T. 0.00 min

Lab File: VV006993.D

Acq: 10 Aug 2018 19:35

Instrument :

MSVOA_V

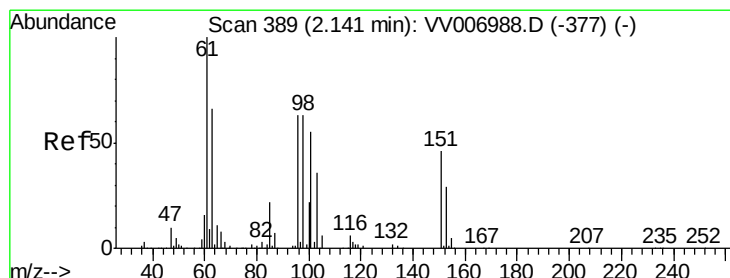
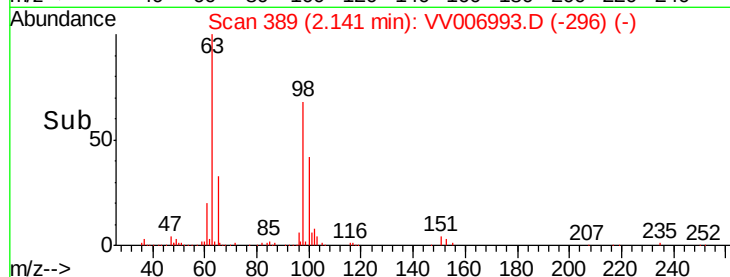
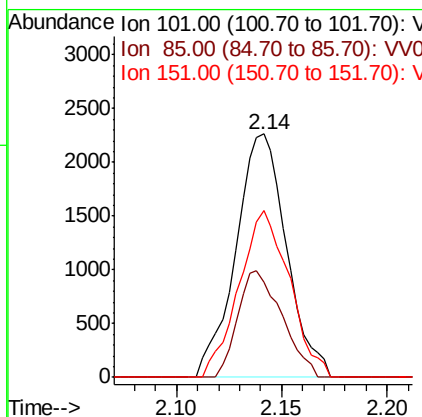
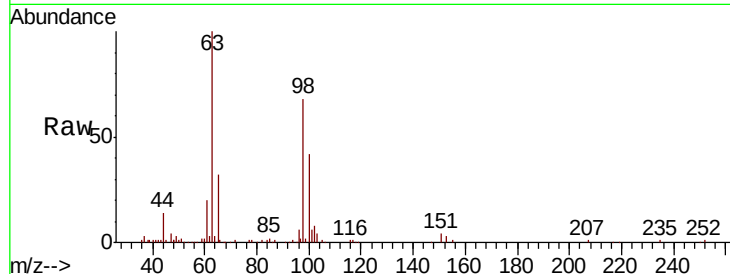
ClientSampled :

MDL04

Tot Ion:	101	Resp:	3779
Ion Ratio	Lower	Upper	
101	100		
85	38.0	33.9	50.9
151	68.0	64.1	96.1

Manual Integrations
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#12

1,1-Dichloroethene

Concen: 0.21 ug/L

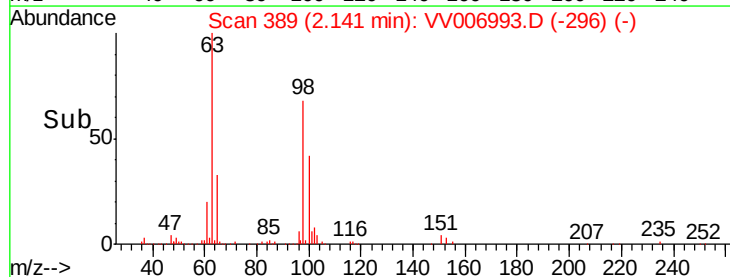
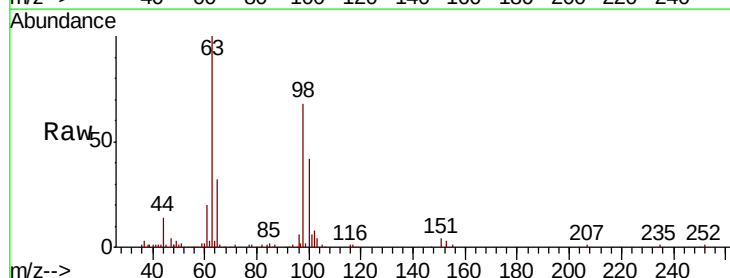
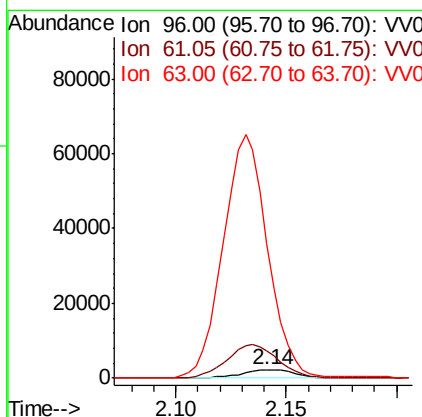
RT: 2.14 min Scan# 389

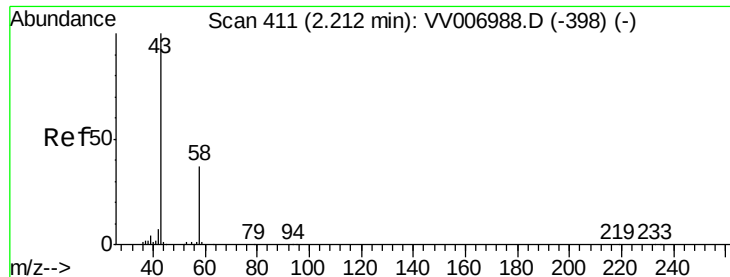
Delta R.T. 0.00 min

Lab File: VV006993.D

Acq: 10 Aug 2018 19:35

Tgt Ion:	96	Resp:	3641
Ion Ratio	Lower	Upper	
96	100		
61	331.0	111.6	207.4#
63	1643.2	84.9	157.7#





#13

Acetone

Concen: 1.92 ug/L

RT: 2.20 min Scan# 408

Delta R.T. -0.01 min

Lab File: VV006993.D

Acq: 10 Aug 2018 19:35

Instrument :

MSVOA_V

ClientSampled :

MDL04

Tot Ion: 43 Resp: 4444

Ion Ratio Lower Upper

43 100

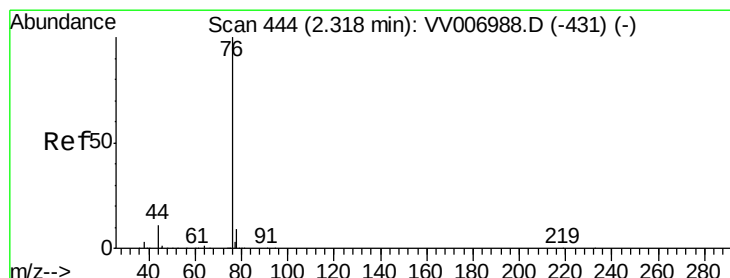
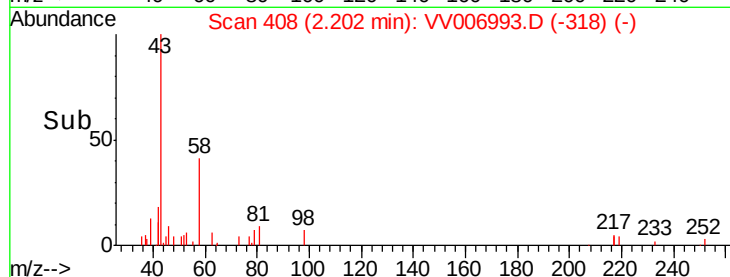
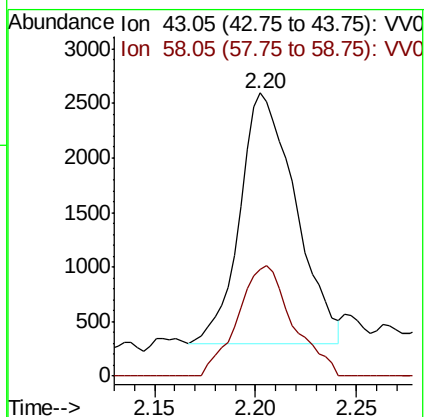
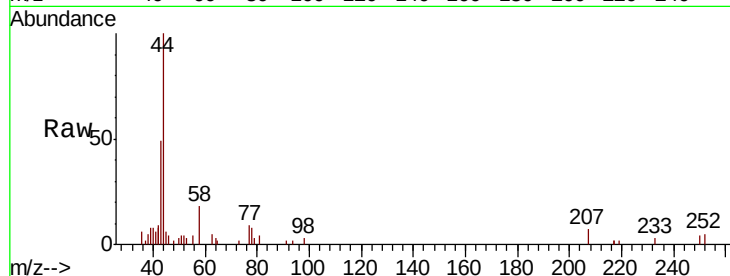
58 43.5 0.0 71.4

Manual Integrations

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#14

Carbon disulfide

Concen: 0.17 ug/L

RT: 2.32 min Scan# 444

Delta R.T. 0.00 min

Lab File: VV006993.D

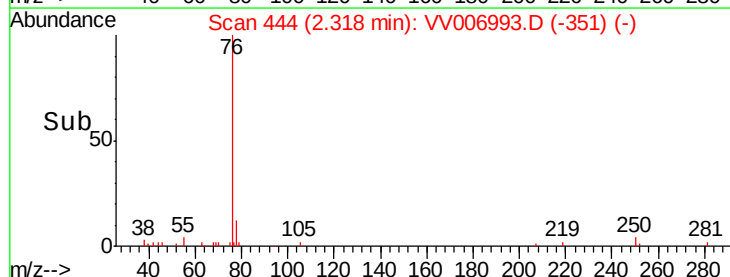
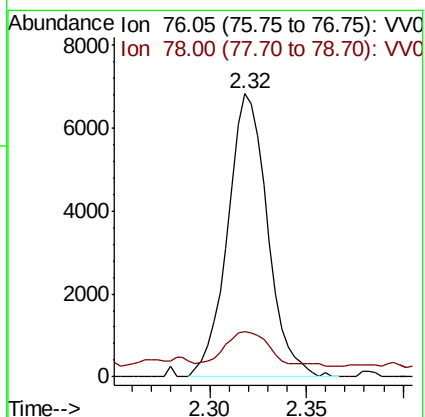
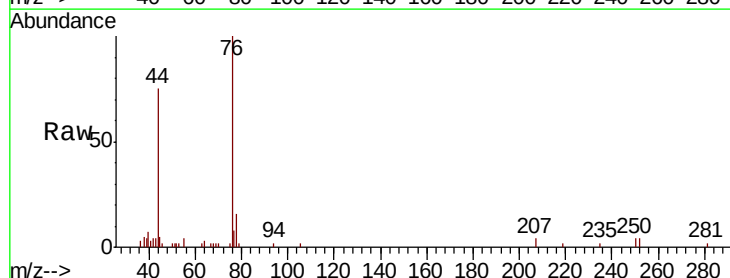
Acq: 10 Aug 2018 19:35

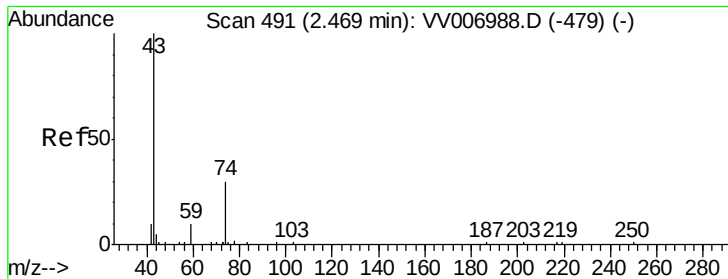
Tgt Ion: 76 Resp: 9795

Ion Ratio Lower Upper

76 100

78 16.1 7.6 11.4#





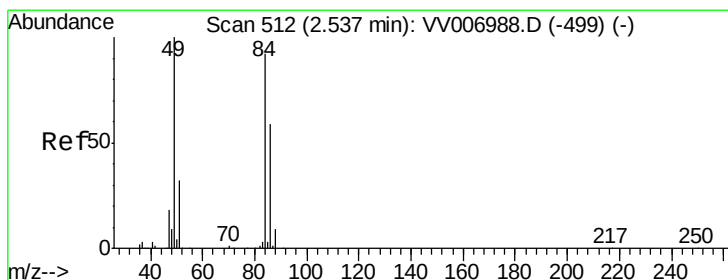
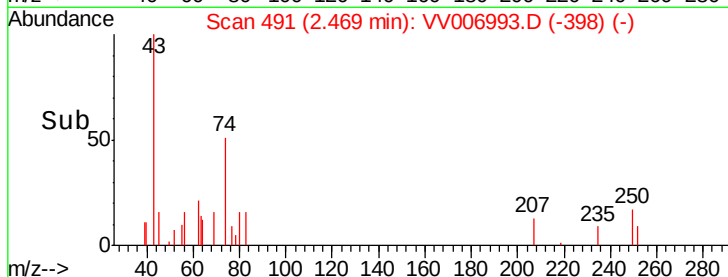
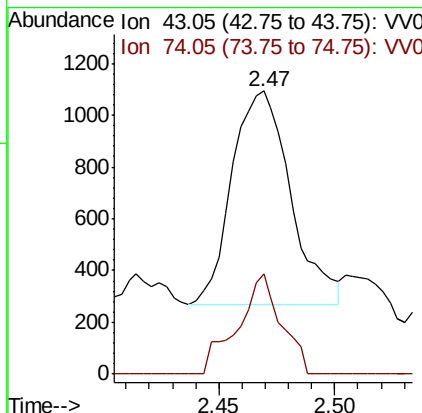
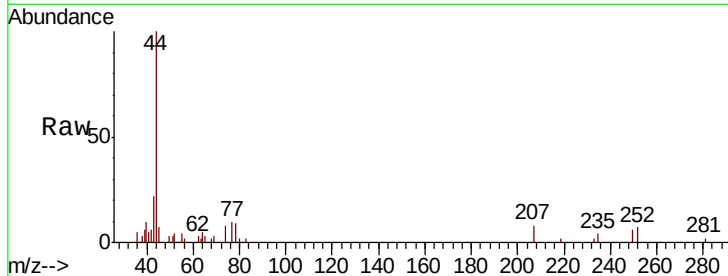
#15
Methyl Acetate
Concen: 0.22 ug/L
RT: 2.47 min Scan# 491
Delta R.T. 0.00 min
Lab File: VV006993.D
Acq: 10 Aug 2018 19:35

Instrument :
MSVOA_V
ClientSampled :
MDL04

Tot Ion	43	Resp	1440
Ion Ratio	100	Lower	Upper
74	35.1	24.6	37.0

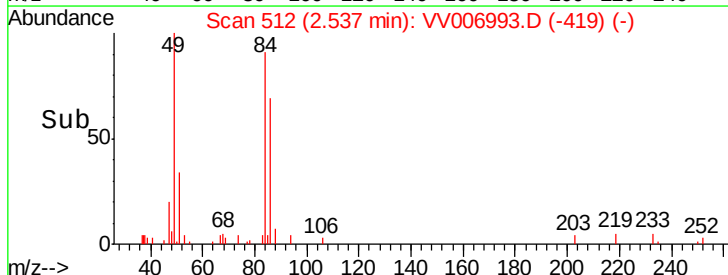
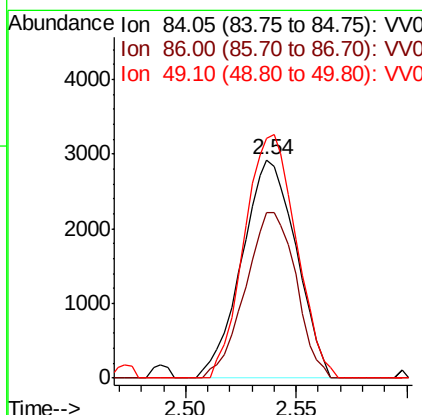
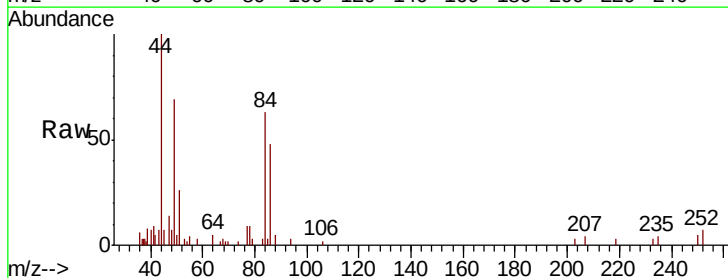
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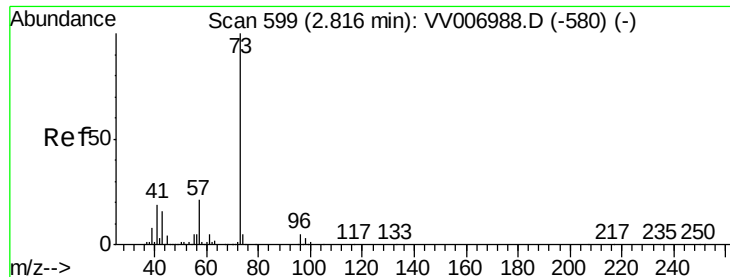
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#16
Methylene chloride
Concen: 0.24 ug/L
RT: 2.54 min Scan# 512
Delta R.T. 0.00 min
Lab File: VV006993.D
Acq: 10 Aug 2018 19:35

Tgt Ion	84	Resp	4972
Ion Ratio	100	Lower	Upper
86	75.6	45.7	84.9
49	109.5	78.8	146.4





#17

Methyl tert-butyl Ether

Concen: 0.17 ug/L

RT: 2.82 min Scan# 599

Delta R.T. 0.00 min

Lab File: VV006993.D

Acq: 10 Aug 2018 19:35

Instrument :

MSVOA_V

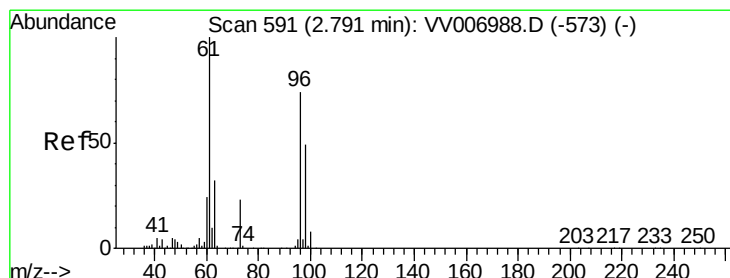
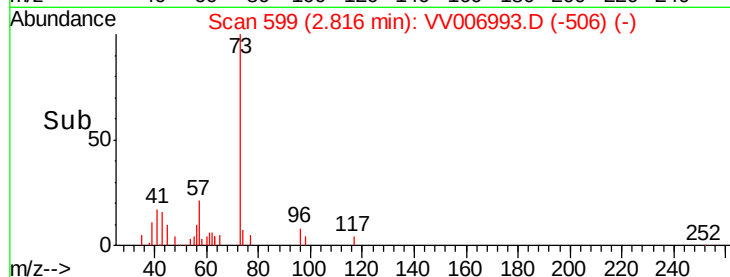
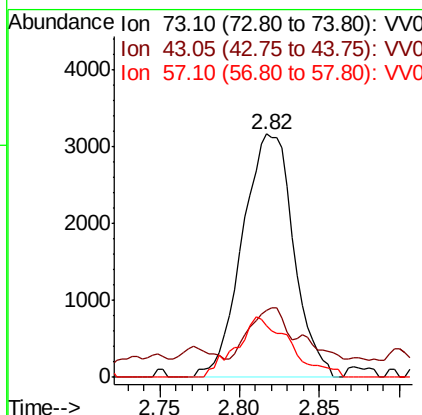
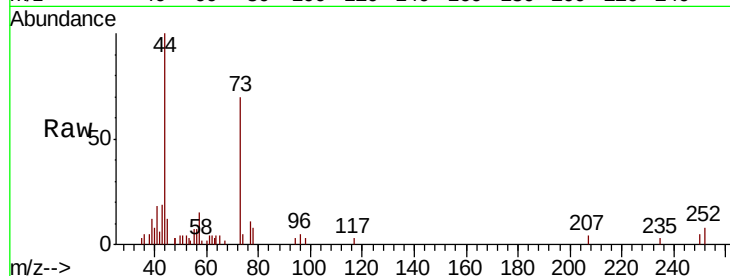
ClientSampleId :

MDL04

Tot Ion:	73	Resp:	6949
Ion	Ratio	Lower	Upper
73	100		
43	15.3	14.4	21.6
57	26.2	17.9	26.9

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#18

trans-1,2-Dichloroethene

Concen: 0.18 ug/L

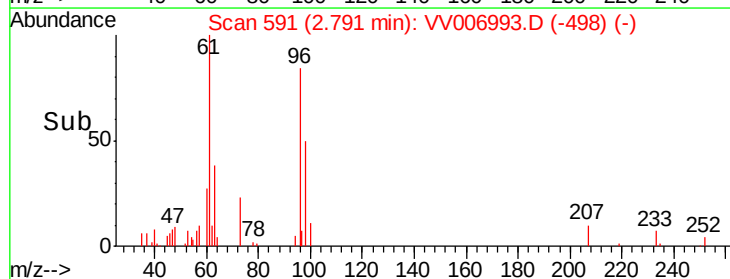
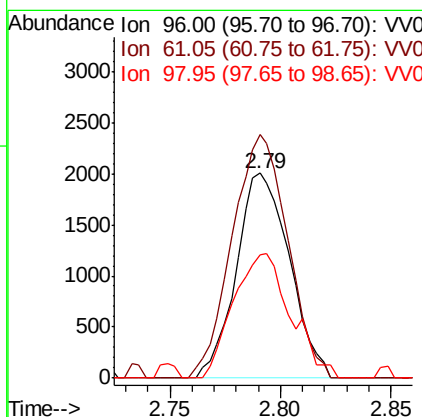
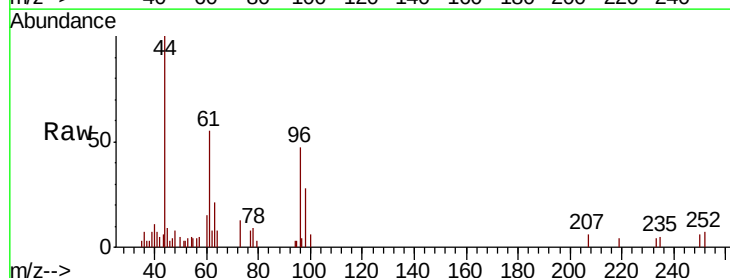
RT: 2.79 min Scan# 591

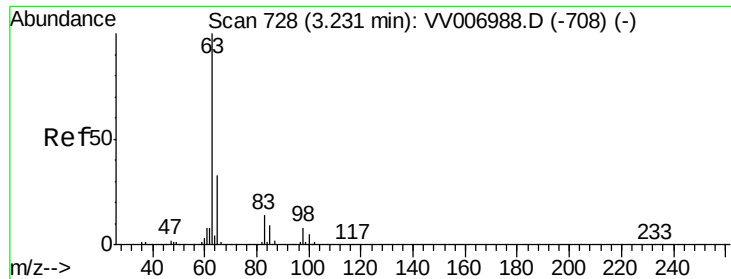
Delta R.T. 0.00 min

Lab File: VV006993.D

Acq: 10 Aug 2018 19:35

Tgt Ion:	96	Resp:	3354
Ion	Ratio	Lower	Upper
96	100		
61	118.8	91.1	169.3
98	59.9	43.5	80.9





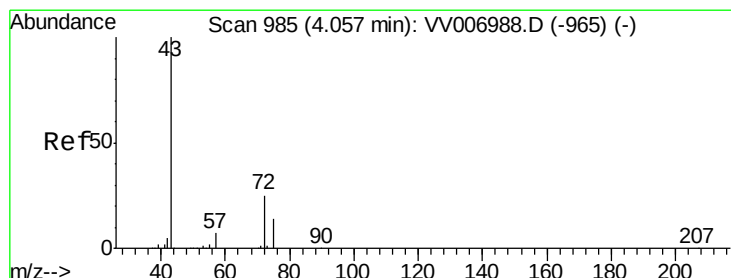
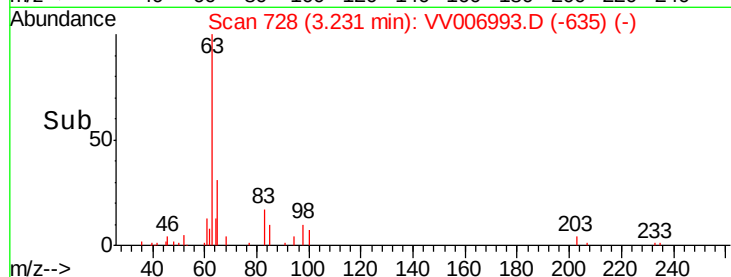
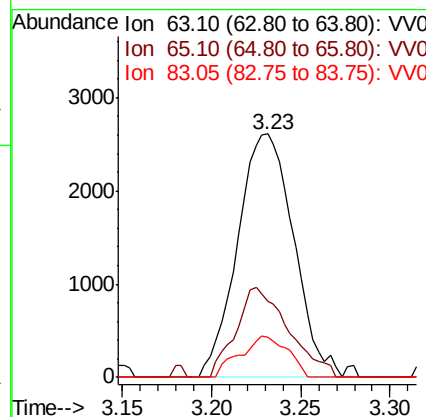
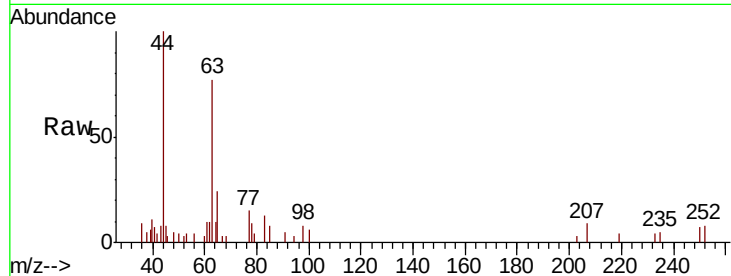
#19
 1,1-Dichloroethane
 Concen: 0.17 ug/L
 RT: 3.23 min Scan# 728
 Delta R.T. 0.00 min
 Lab File: VV006993.D
 Acq: 10 Aug 2018 19:35

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.3	21.7	40.3
83	16.6	10.0	18.6

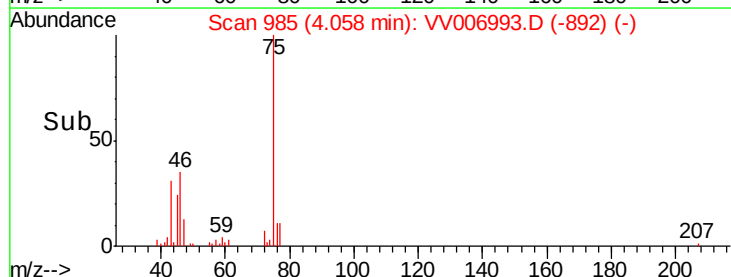
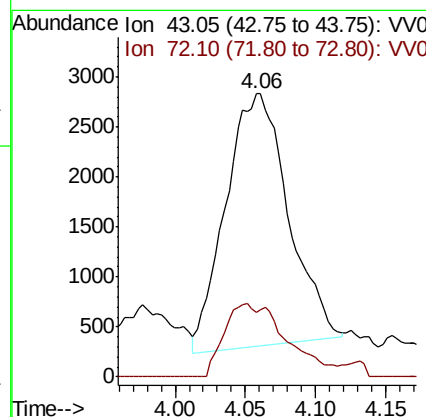
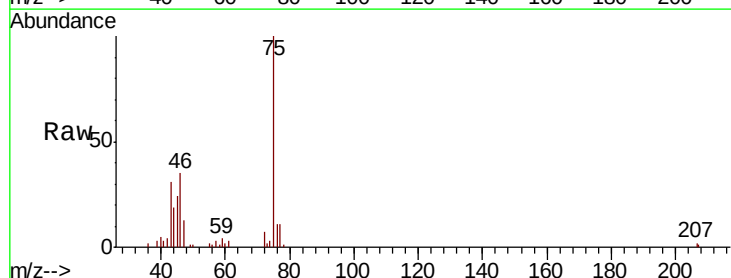
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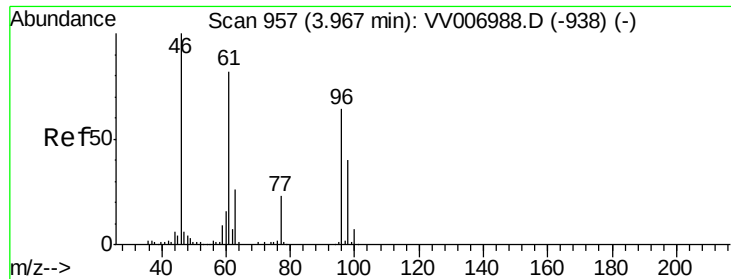
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#21
 2-Butanone
 Concen: 1.56 ug/L
 RT: 4.06 min Scan# 985
 Delta R.T. 0.00 min
 Lab File: VV006993.D
 Acq: 10 Aug 2018 19:35

Tgt Ion	Ratio	Lower	Upper
43	100		
72	14.5	12.4	37.2





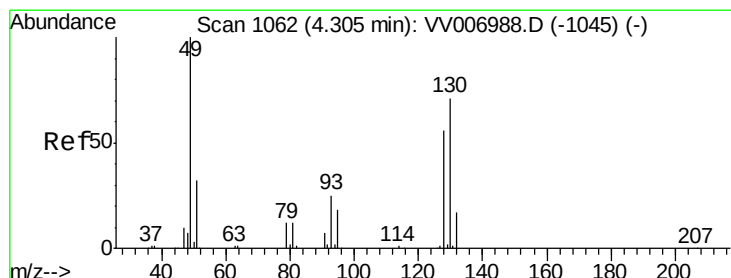
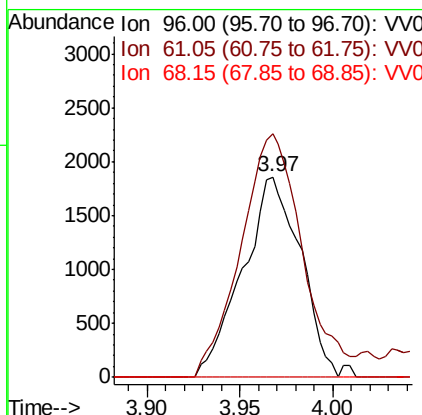
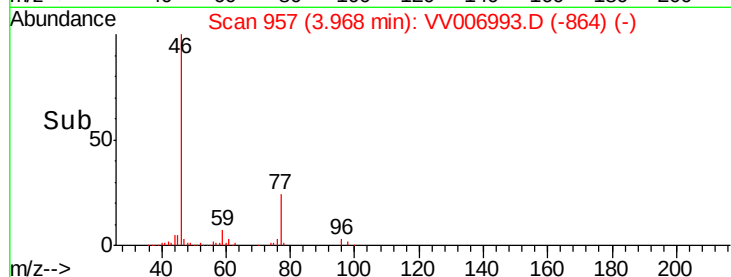
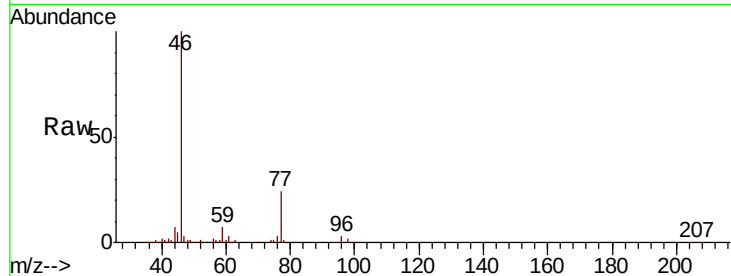
#22
 cis-1,2-Dichloroethene
 Concen: 0.19 ug/L
 RT: 3.97 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VV006993.D
 Acq: 10 Aug 2018 19:35

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

Tot Ion	Ratio	Lower	Upper
96	100		
61	121.6	91.1	169.1
68	0.0	0.0	0.0

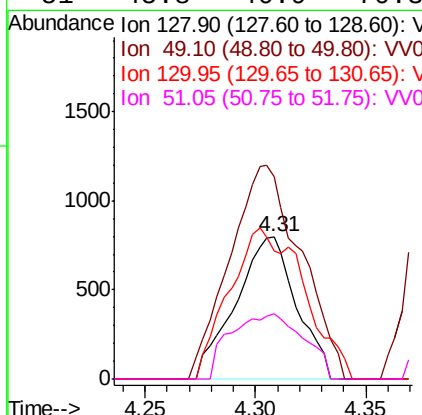
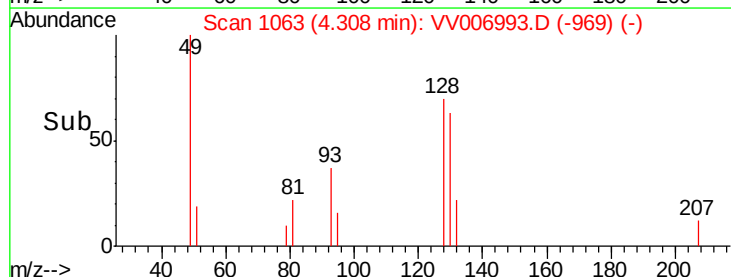
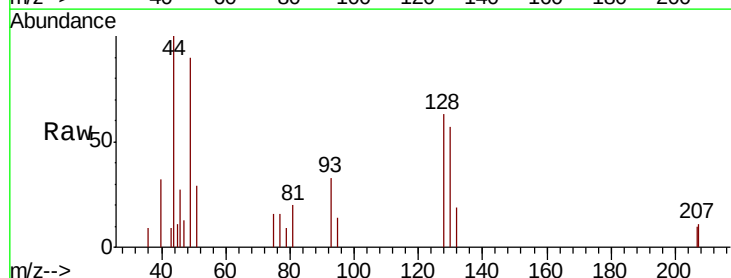
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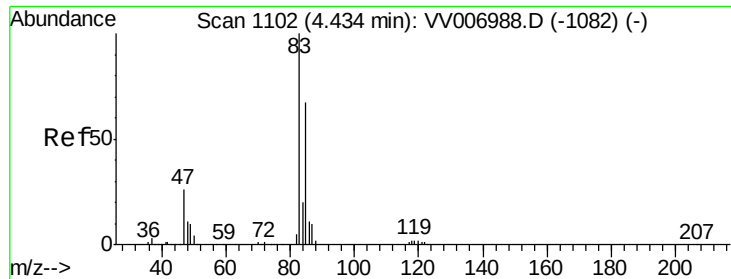
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#23
 Bromochloromethane
 Concen: 0.18 ug/L
 RT: 4.31 min Scan# 1063
 Delta R.T. 0.00 min
 Lab File: VV006993.D
 Acq: 10 Aug 2018 19:35

Tgt Ion	Ratio	Lower	Upper
128	100		
49	142.3	138.6	257.4
130	90.0	90.0	167.2#
51	45.8	46.9	70.3#





#25

Chloroform

Concen: 0.20 ug/L

RT: 4.43 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VV006993.D

Acq: 10 Aug 2018 19:35

Instrument :

MSVOA_V

ClientSampled :

MDL04

Tot Ion: 83 Resp: 7204

Ion Ratio Lower Upper

83 100

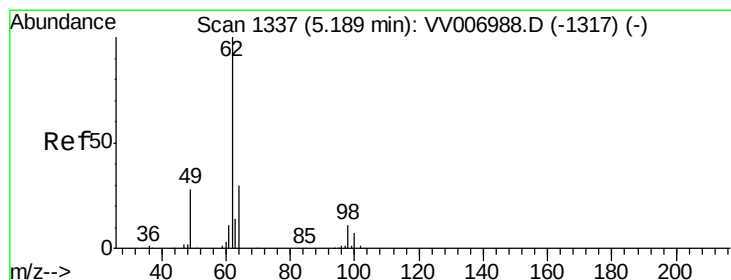
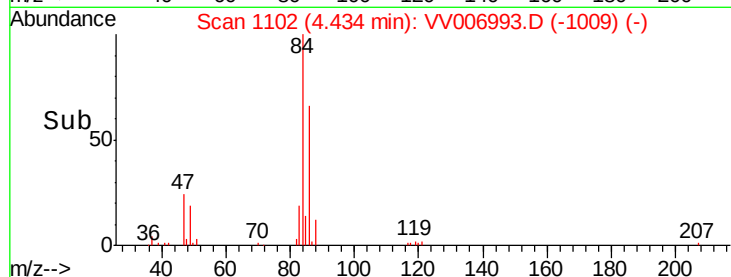
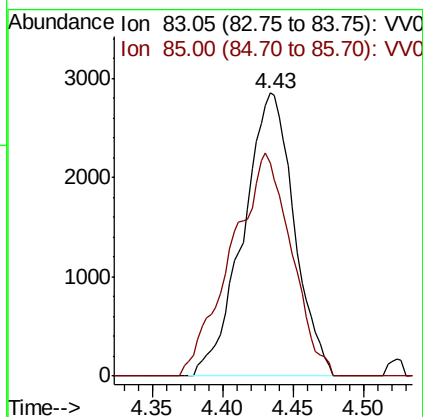
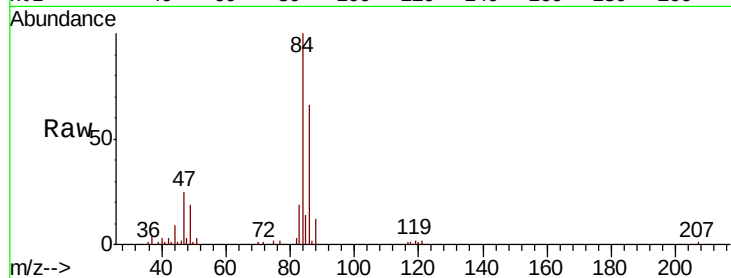
85 75.3 44.7 82.9

Manual Integrations

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#27

1,2-Dichloroethane

Concen: 0.16 ug/L

RT: 5.19 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VV006993.D

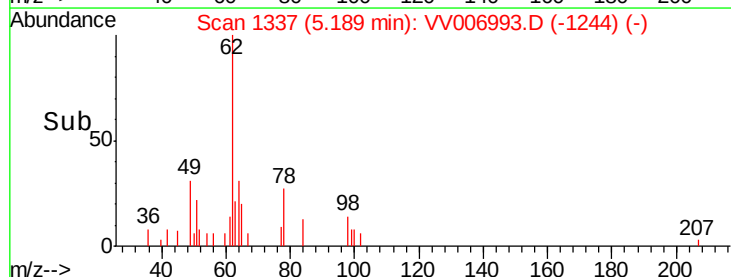
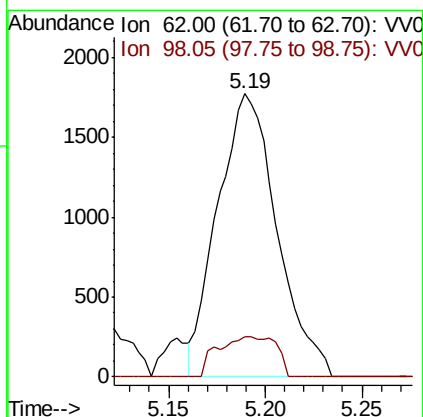
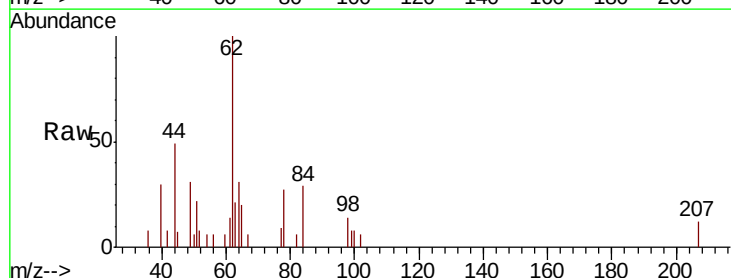
Acq: 10 Aug 2018 19:35

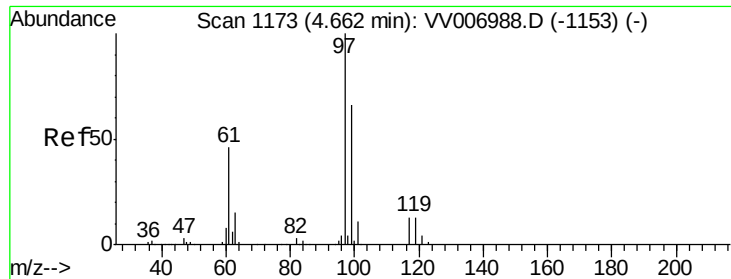
Tgt Ion: 62 Resp: 3780

Ion Ratio Lower Upper

62 100

98 14.1 7.6 11.4#





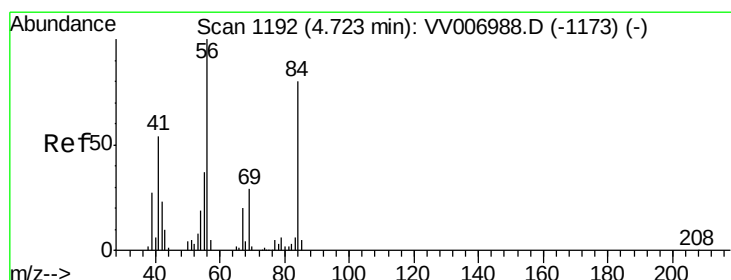
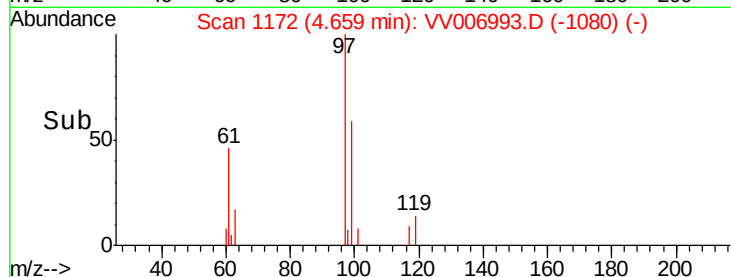
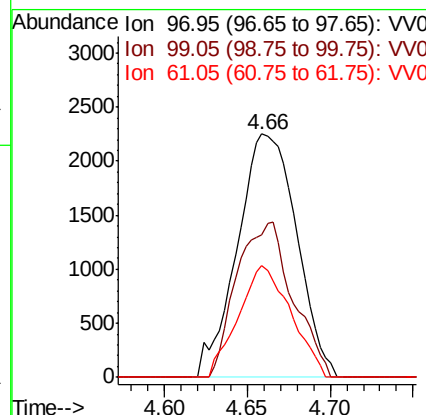
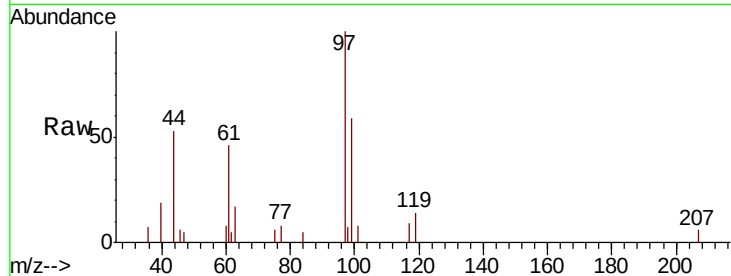
#29
 1,1,1-Trichloroethane
 Concen: 0.18 ug/L
 RT: 4.66 min Scan# 1172
 Delta R.T. -0.00 min
 Lab File: VV006993.D
 Acq: 10 Aug 2018 19:35

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

Tot Ion	Ratio	Resp	Lower	Upper
97	100	5605		
99	60.2		51.0	76.6
61	40.5		36.6	54.8

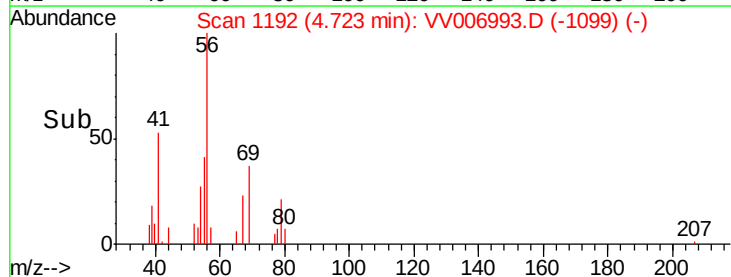
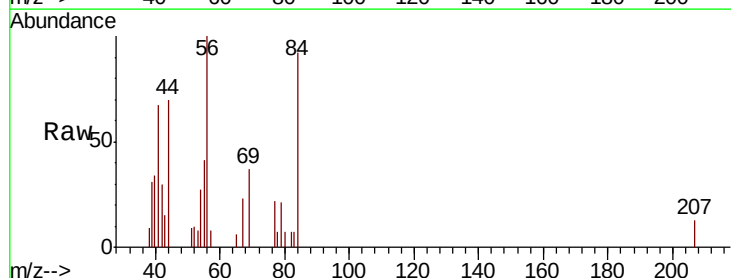
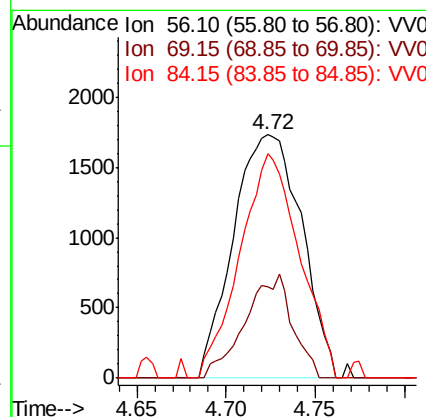
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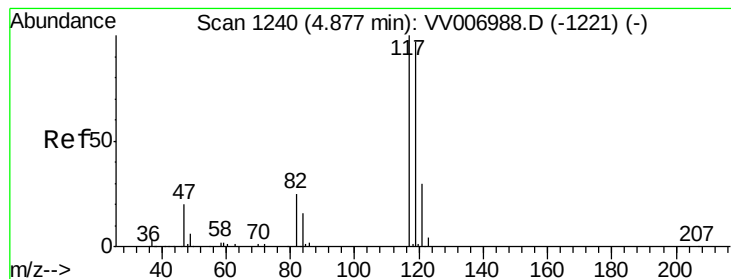
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#30
 Cyclohexane
 Concen: 0.14 ug/L
 RT: 4.72 min Scan# 1192
 Delta R.T. 0.00 min
 Lab File: VV006993.D
 Acq: 10 Aug 2018 19:35

Tgt Ion	Ratio	Resp	Lower	Upper
56	100	4604		
69	29.7		23.8	35.6
84	80.5		67.9	101.9





#31

Carbon tetrachloride

Concen: 0.15 ug/L

RT: 4.88 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VV006993.D

Acq: 10 Aug 2018 19:35

Instrument :

MSVOA_V

ClientSampled :

MDL04

Tot Ion:117 Resp: 3965

Ion Ratio Lower Upper

117 100

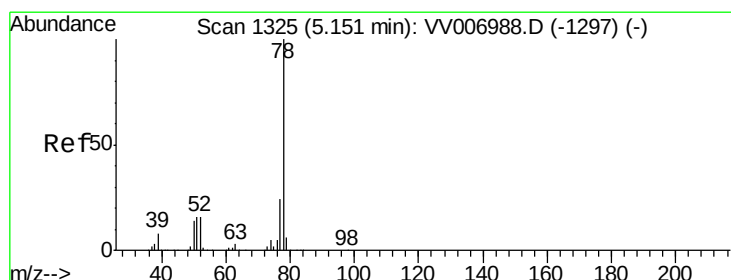
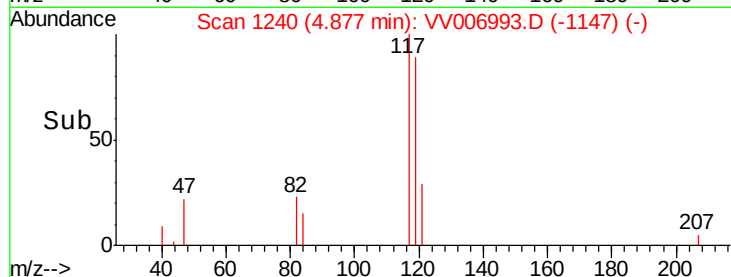
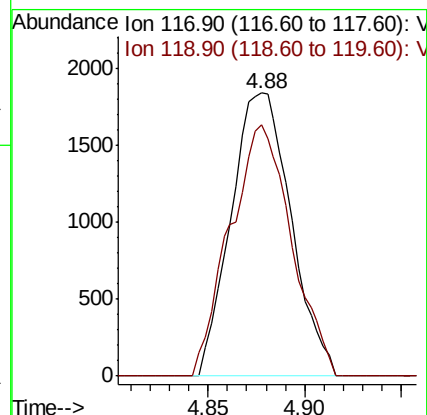
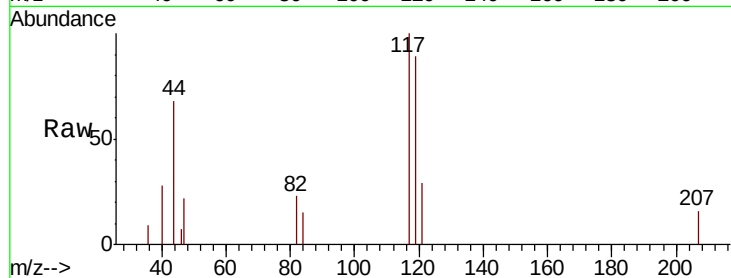
119 91.3 76.2 114.4

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#33

Benzene

Concen: 0.16 ug/L

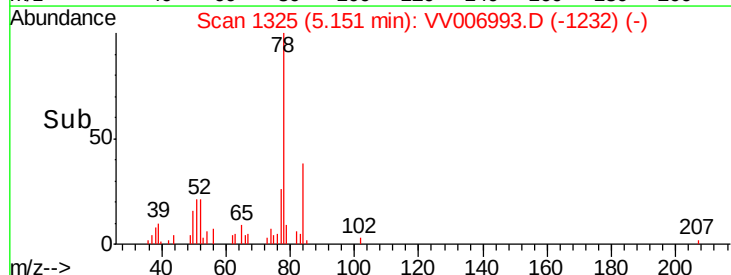
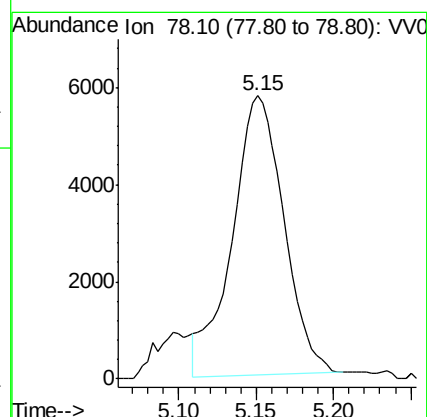
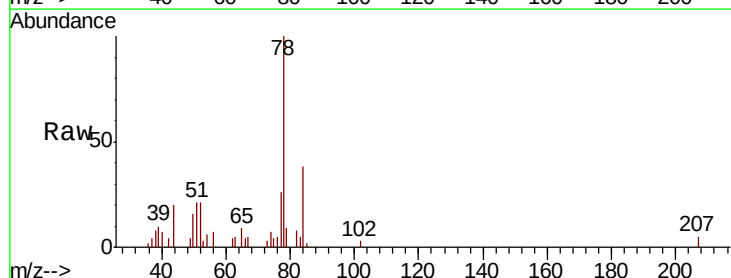
RT: 5.15 min Scan# 1325

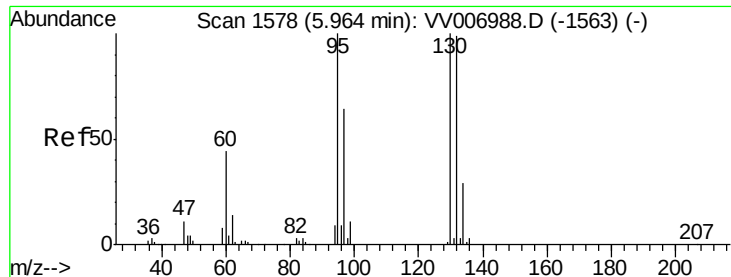
Delta R.T. 0.00 min

Lab File: VV006993.D

Acq: 10 Aug 2018 19:35

Tgt Ion: 78 Resp: 13341





#34

Trichloroethene

Concen: 0.15 ug/L

RT: 5.96 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VV006993.D

Acq: 10 Aug 2018 19:35

Instrument :

MSVOA_V

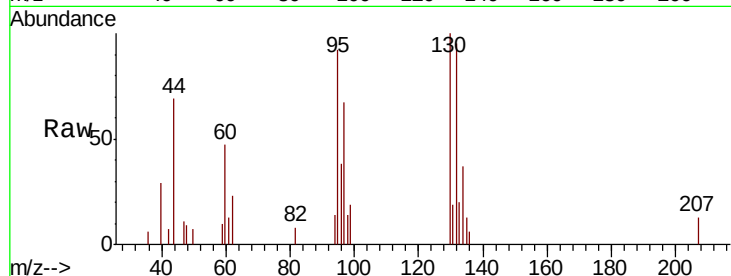
ClientSampled :

MDL04

Tot Ion	95	Resp	2966
Ion	Ratio	Lower	Upper
95	100		
97	72.9	44.8	83.2
132	103.4	65.5	121.6
130	108.6	66.4	123.4

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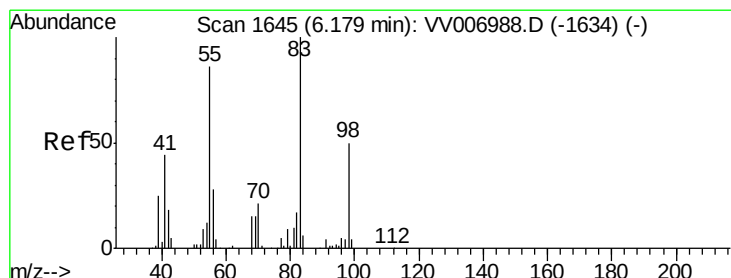
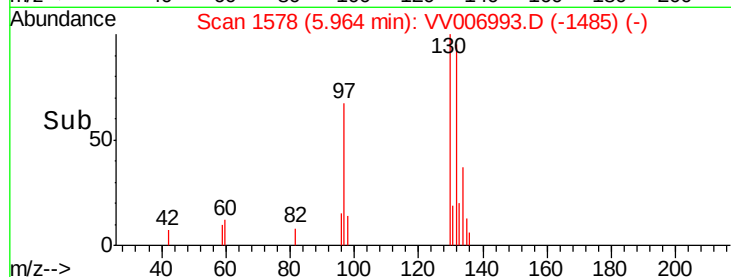
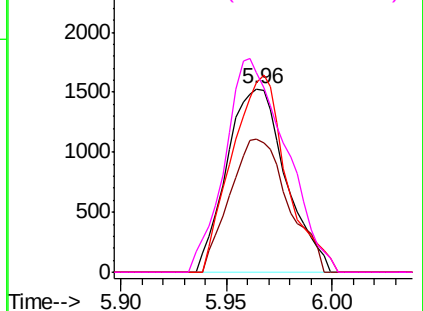


Abundance Ion 95.00 (94.70 to 95.70): VV006993.D (-1485) (-)

Ion 96.95 (96.65 to 97.65): VV006993.D (-1485) (-)

Ion 131.95 (131.65 to 132.65): VV006993.D (-1485) (-)

Ion 129.95 (129.65 to 130.65): VV006993.D (-1485) (-)



#35

Methylcyclohexane

Concen: 0.14 ug/L

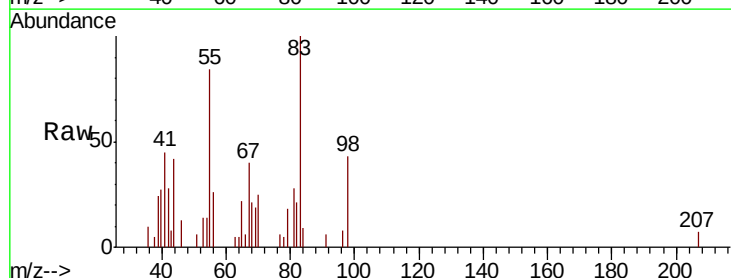
RT: 6.18 min Scan# 1645

Delta R.T. 0.00 min

Lab File: VV006993.D

Acq: 10 Aug 2018 19:35

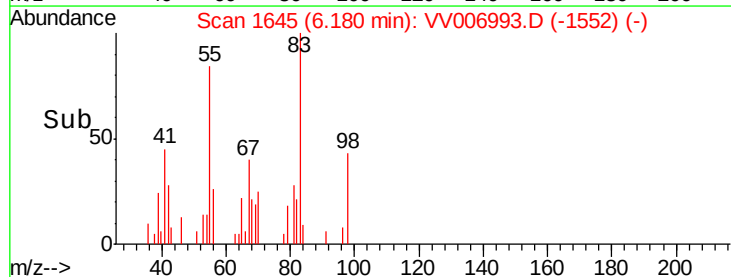
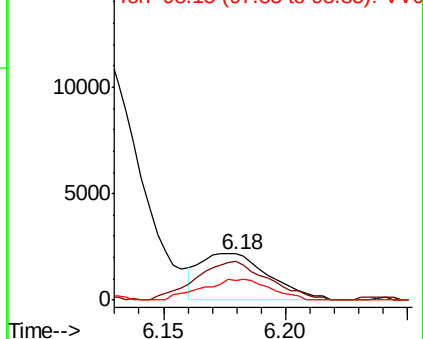
Tgt Ion	83	Resp	4290
Ion	Ratio	Lower	Upper
83	100		
55	87.8	68.1	102.1
98	44.2	37.9	56.9

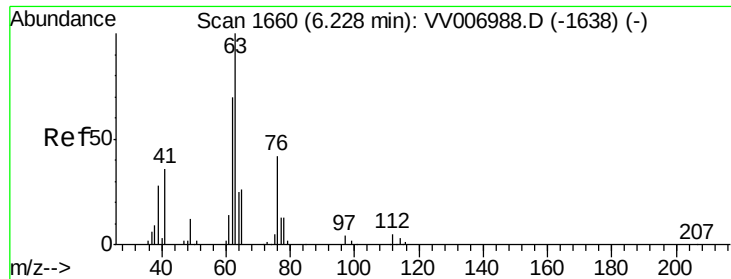


Abundance Ion 83.15 (82.85 to 83.85): VV006993.D (-1552) (-)

Ion 55.10 (54.80 to 55.80): VV006993.D (-1552) (-)

Ion 98.15 (97.85 to 98.85): VV006993.D (-1552) (-)





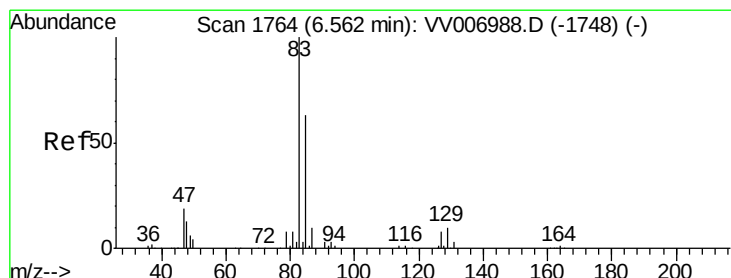
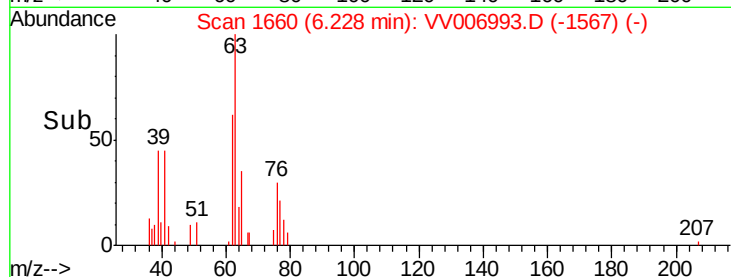
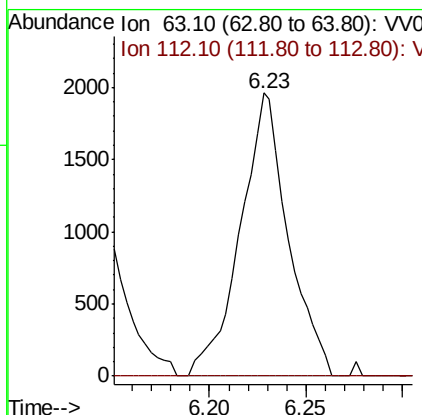
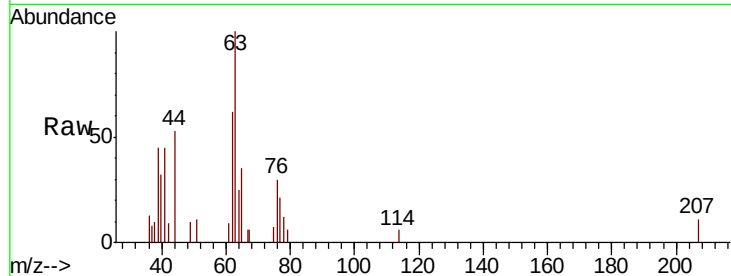
#37
 1,2-Dichloropropane
 Concen: 0.15 ug/L
 RT: 6.23 min Scan# 1660
 Delta R.T. 0.00 min
 Lab File: VV006993.D
 Acq: 10 Aug 2018 19:35

Instrument :
 MSVOA_V
 ClientSampled :
 MDL04

Tot Ion: 63 Resp: 3384
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.5 5.3#

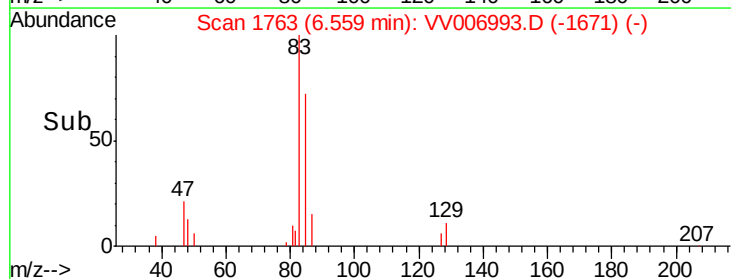
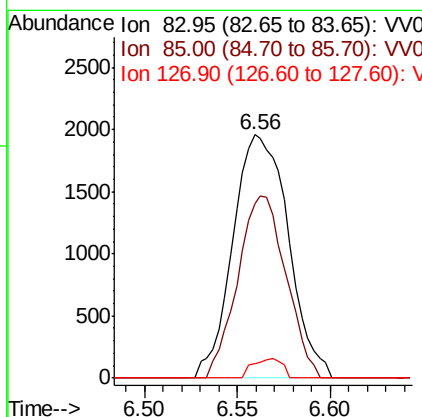
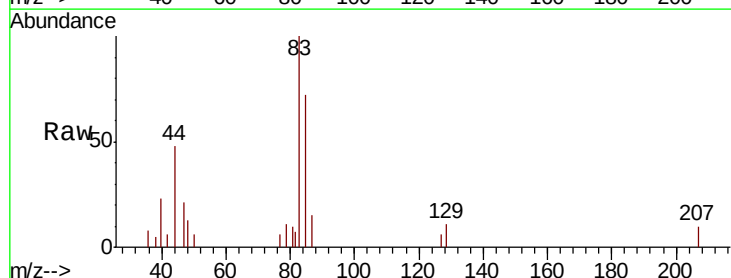
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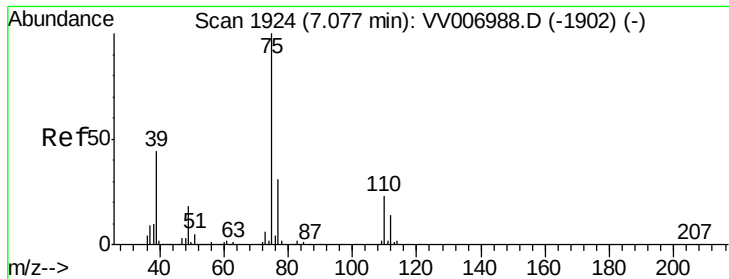
apatel
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#38
 Bromodichloromethane
 Concen: 0.16 ug/L
 RT: 6.56 min Scan# 1763
 Delta R.T. -0.00 min
 Lab File: VV006993.D
 Acq: 10 Aug 2018 19:35

Tgt Ion: 83 Resp: 4078
 Ion Ratio Lower Upper
 83 100
 85 71.8 43.8 81.4
 127 5.7 6.6 10.0#





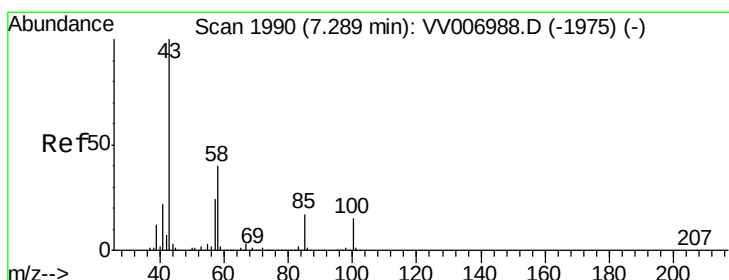
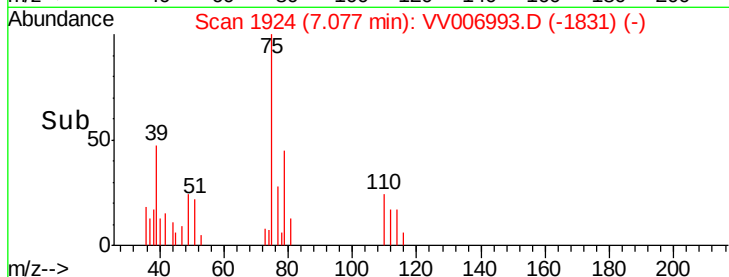
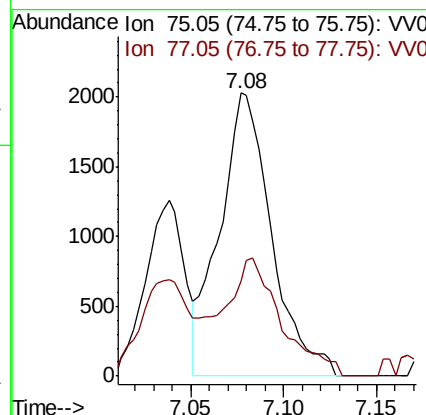
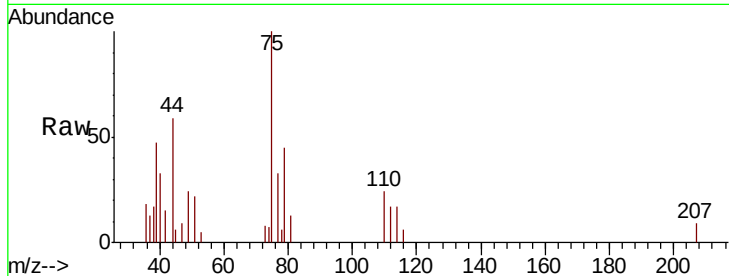
#39
 cis-1,3-Dichloropropene
 Concen: 0.15 ug/L
 RT: 7.08 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV006993.D
 Acq: 10 Aug 2018 19:35

Instrument :
 MSVOA_V
 ClientSampled :
 MDL04

Tot Ion	Ratio	Lower	Upper
75	100		
77	33.4	22.0	40.8

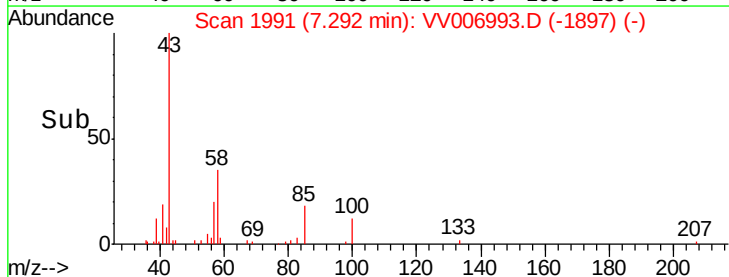
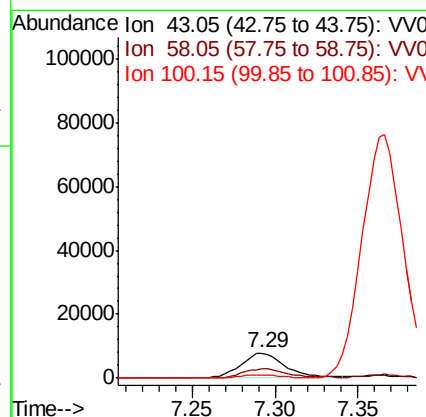
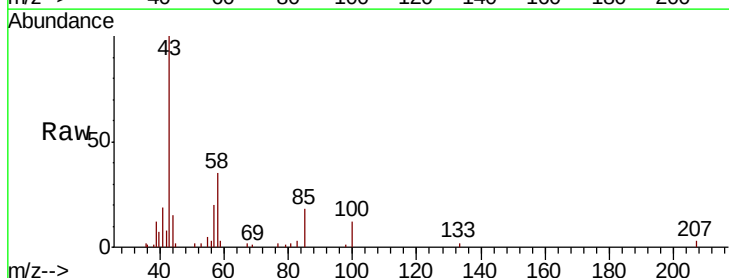
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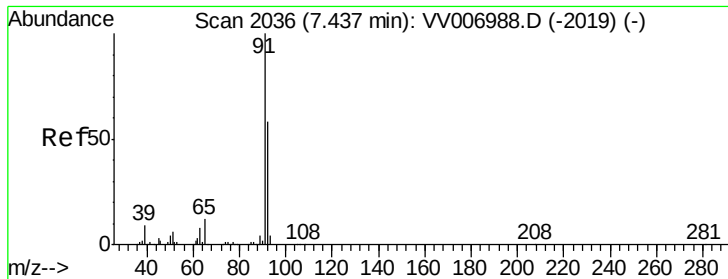
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#40
 4-Methyl-2-pentanone
 Concen: 1.22 ug/L
 RT: 7.29 min Scan# 1991
 Delta R.T. 0.00 min
 Lab File: VV006993.D
 Acq: 10 Aug 2018 19:35

Tgt Ion	Ratio	Lower	Upper
43	100		
58	36.6	30.7	46.1
100	0.0	11.2	16.8#





#42

Toluene

Concen: 0.15 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VV006993.D

Acq: 10 Aug 2018 19:35

Instrument :

MSVOA_V

ClientSampled :

MDL04

Tot Ion: 91 Resp: 12129

Ion Ratio Lower Upper

91 100

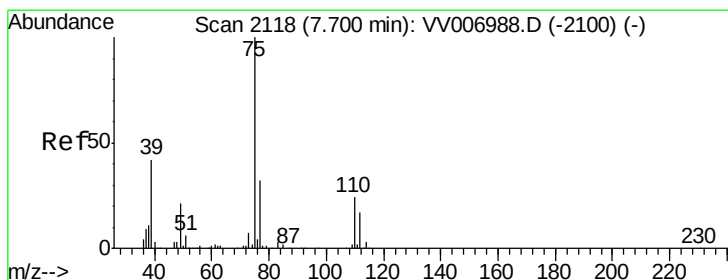
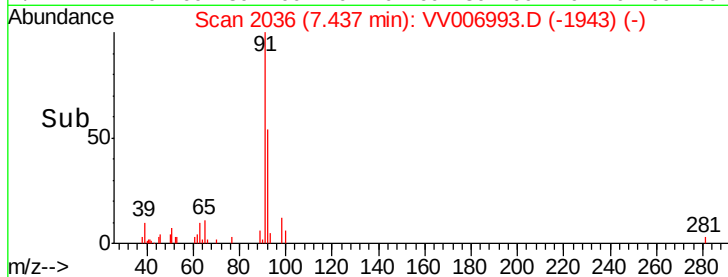
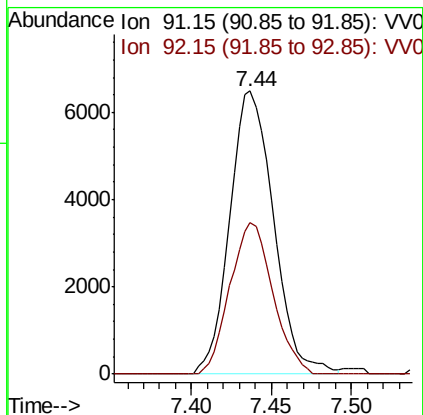
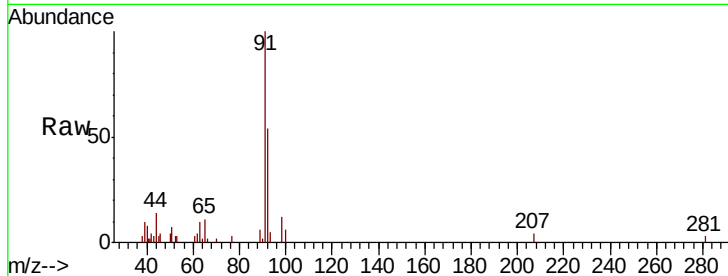
92 53.5 40.2 74.6

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#44

trans-1,3-Dichloropropene

Concen: 0.14 ug/L m

RT: 7.70 min Scan# 2117

Delta R.T. -0.00 min

Lab File: VV006993.D

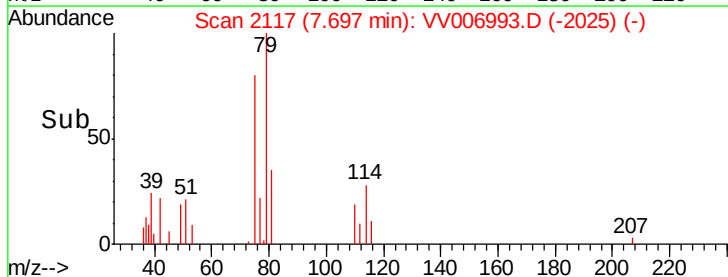
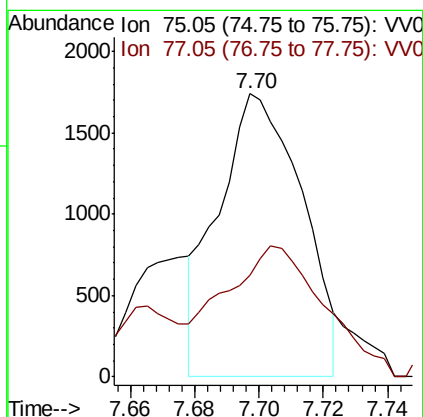
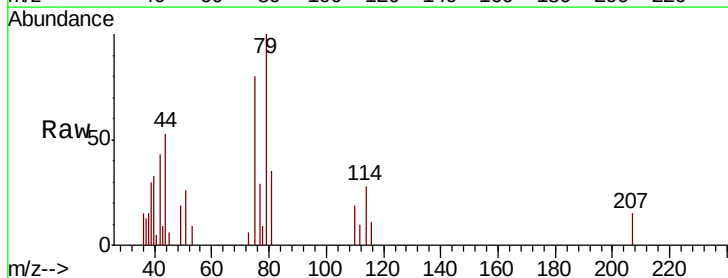
Acq: 10 Aug 2018 19:35

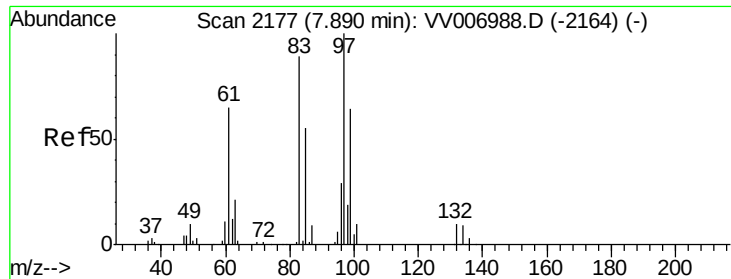
Tgt Ion: 75 Resp: 3146

Ion Ratio Lower Upper

75 100

77 35.8 22.3 41.3





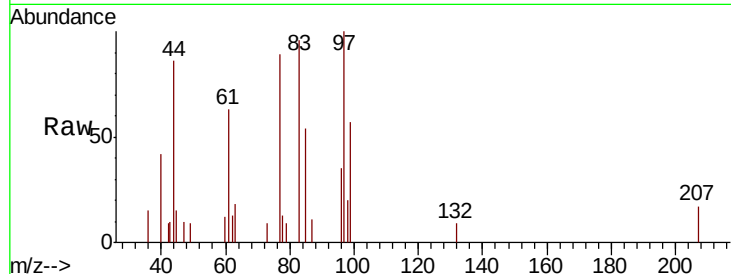
#45
1,1,2-Trichloroethane
Concen: 0.16 ug/L
RT: 7.89 min Scan# 2176
Delta R.T. -0.00 min
Lab File: VV006993.D
Acq: 10 Aug 2018 19:35

Instrument :
MSVOA_V
ClientSampleId :
MDL04

Tot Ion	97	Resp:	2273
Ion	Ratio	Lower	Upper
97	100		
99	56.8	40.6	75.4
83	96.1	58.0	107.8
85	54.3	37.5	69.7

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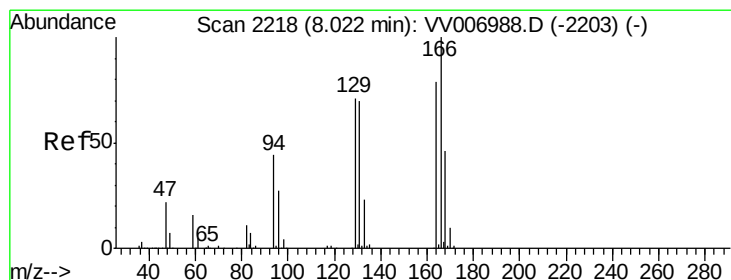
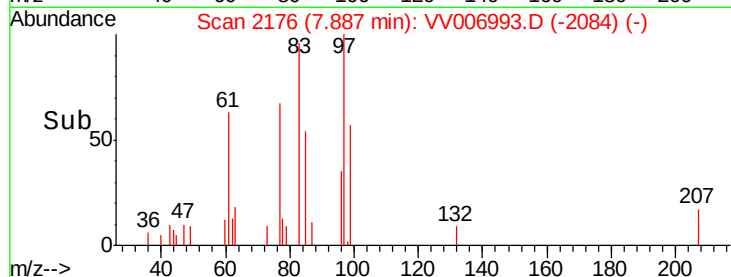
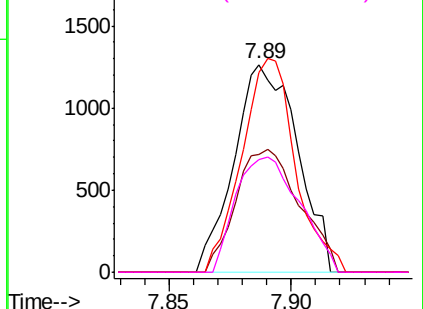
Abundance

Ion 96.95 (96.65 to 97.65): VV006988.D (-2164) (-)

Ion 99.05 (98.75 to 99.75): VV006988.D (-2164) (-)

Ion 82.95 (82.65 to 83.65): VV006988.D (-2164) (-)

Ion 85.00 (84.70 to 85.70): VV006988.D (-2164) (-)



#47
Tetrachloroethene
Concen: 0.17 ug/L
RT: 8.03 min Scan# 2219
Delta R.T. 0.00 min
Lab File: VV006993.D
Acq: 10 Aug 2018 19:35

Tgt Ion	164	Resp:	2680
Ion	Ratio	Lower	Upper
164	100		
129	88.0	65.9	122.3
131	79.1	64.2	119.2
166	126.0	89.4	166.0

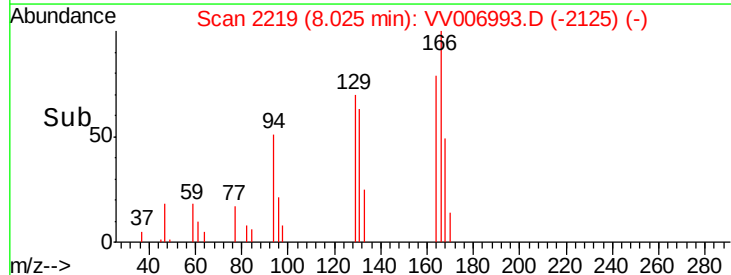
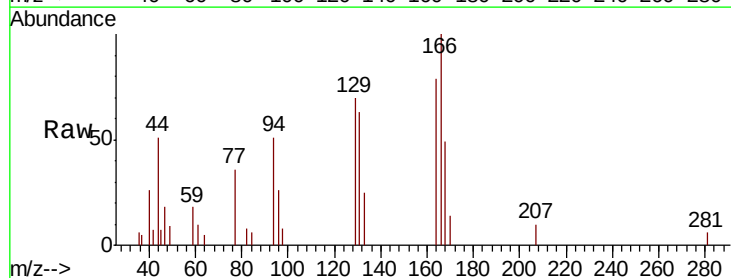
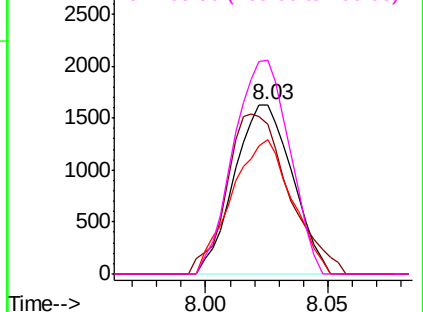
Abundance

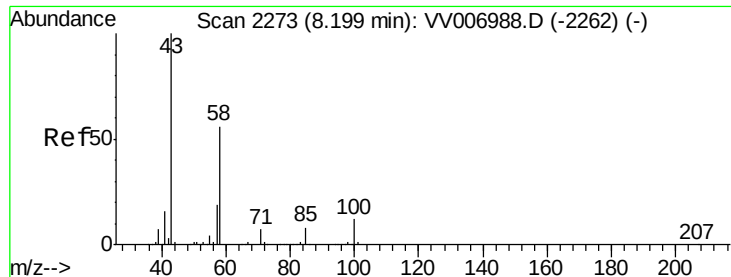
Ion 163.90 (163.60 to 164.60): VV006988.D (-2203) (-)

Ion 128.95 (128.65 to 129.65): VV006988.D (-2203) (-)

Ion 130.95 (130.65 to 131.65): VV006988.D (-2203) (-)

Ion 165.90 (165.60 to 166.60): VV006988.D (-2203) (-)





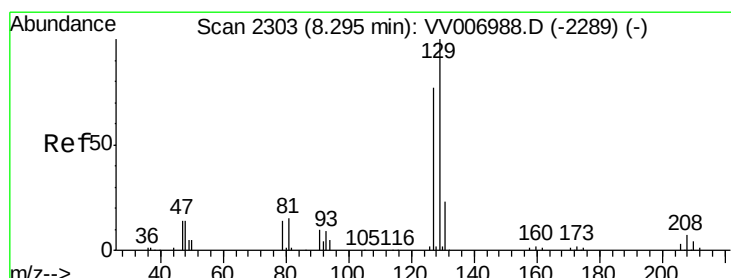
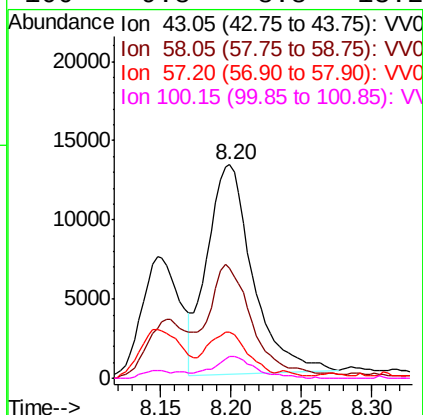
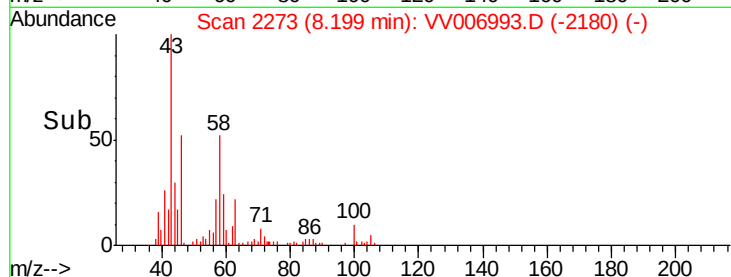
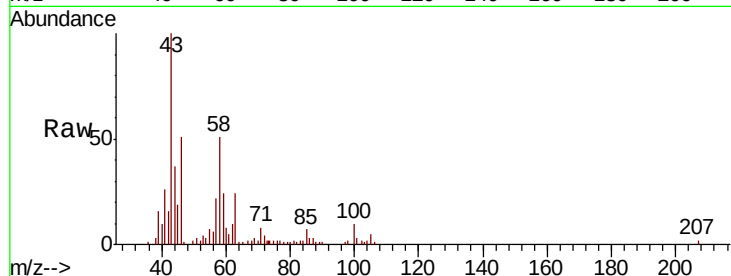
#48
2-Hexanone
Concen: 3.47 ug/L
RT: 8.20 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VV006993.D
Acq: 10 Aug 2018 19:35

Instrument :
MSVOA_V
ClientSampled :
MDL04

Tot Ion	Ratio	Lower	Upper
43	100		
58	50.7	44.2	66.2
57	19.8	14.8	22.2
100	9.8	8.8	13.2

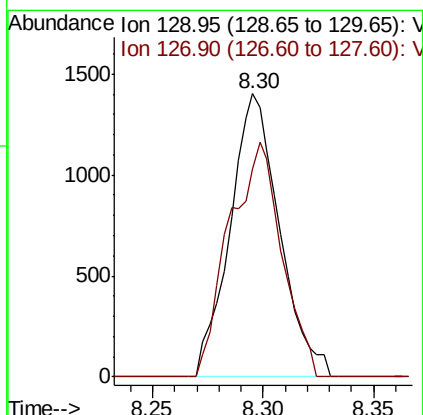
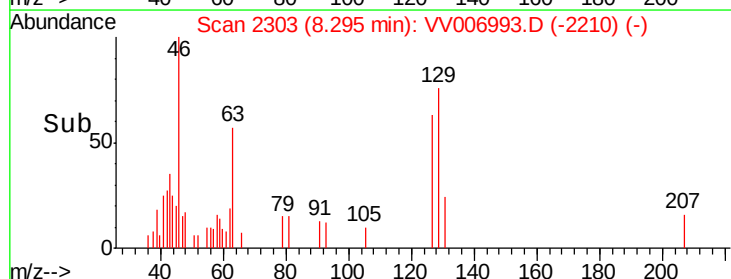
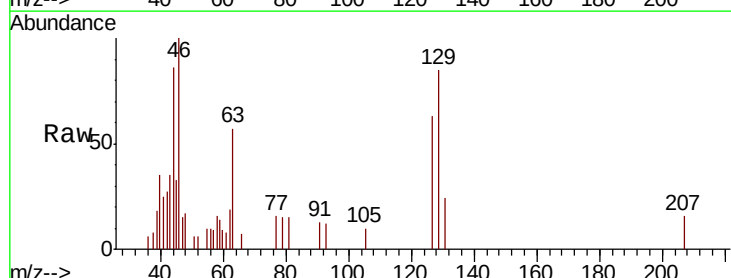
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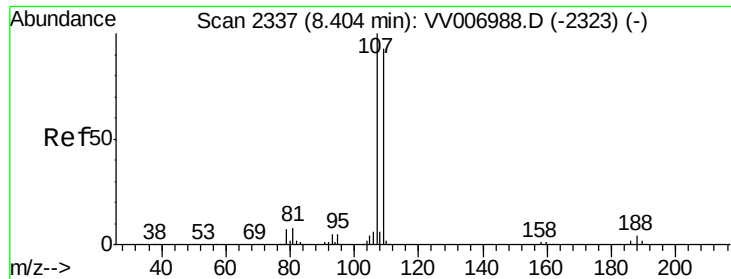
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#49
Dibromochloromethane
Concen: 0.14 ug/L
RT: 8.30 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VV006993.D
Acq: 10 Aug 2018 19:35

Tgt Ion	Ratio	Lower	Upper
129	100		
127	73.3	53.3	98.9





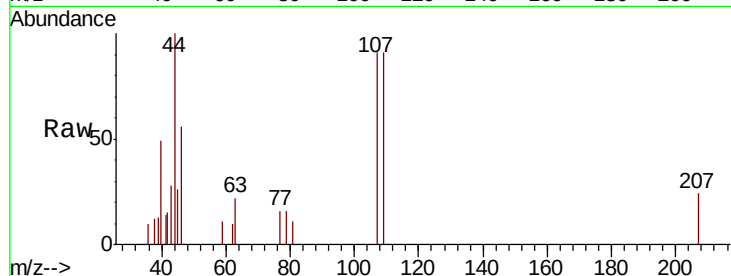
#50
1,2-Dibromoethane
Concen: 0.15 ug/L
RT: 8.40 min Scan# 2336
Delta R.T. -0.00 min
Lab File: VV006993.D
Acq: 10 Aug 2018 19:35

Instrument :
MSVOA_V
ClientSampled :
MDL04

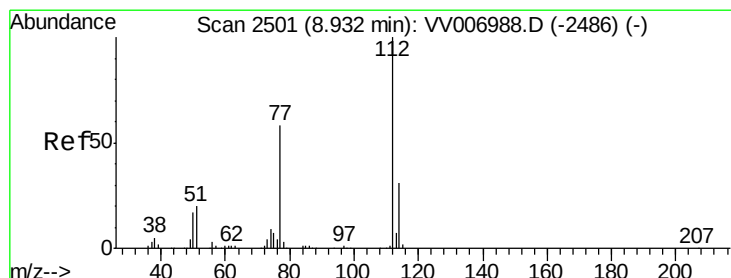
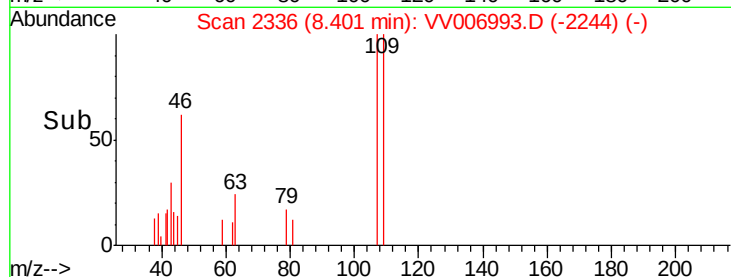
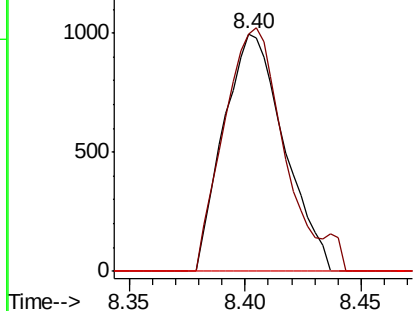
Tot Ion	Ratio	Resp	Lower	Upper
107	100	1810		
109	99.9	64.1	119.1	
188	0.0	4.0	6.0	

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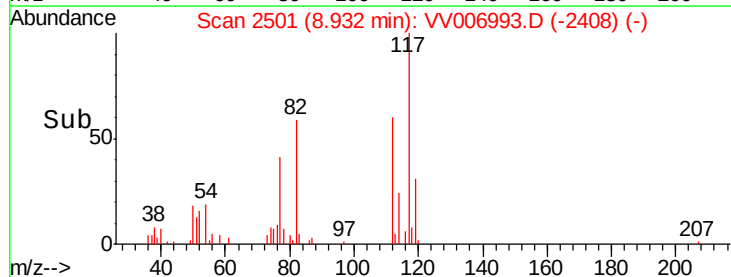
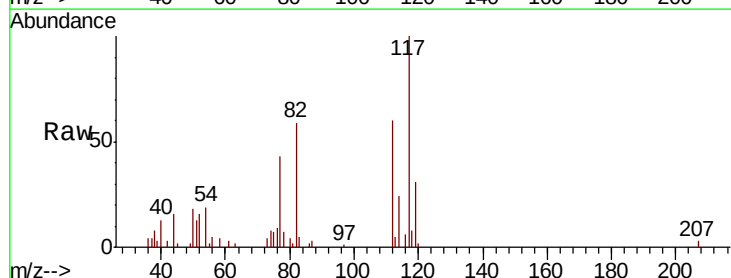
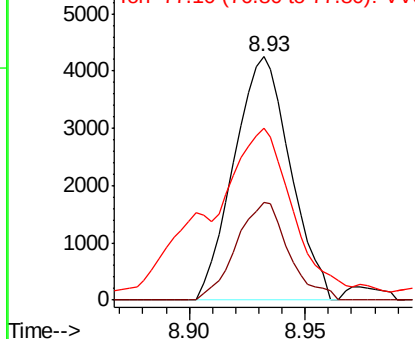
Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

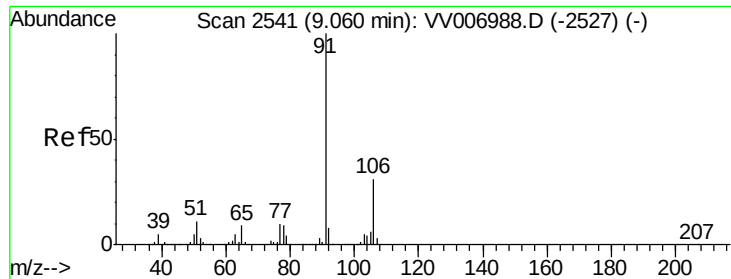


#51
Chlorobenzene
Concen: 0.14 ug/L
RT: 8.93 min Scan# 2501
Delta R.T. 0.00 min
Lab File: VV006993.D
Acq: 10 Aug 2018 19:35

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	7173		
114	40.2	21.8	40.6	
77	70.6	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: 0.13 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. 0.00 min

Lab File: VV006993.D

Acq: 10 Aug 2018 19:35

Instrument :

MSVOA_V

ClientSampleId :

MDL04

Tot Ion: 91 Resp: 10427

Ion Ratio Lower Upper

91 100

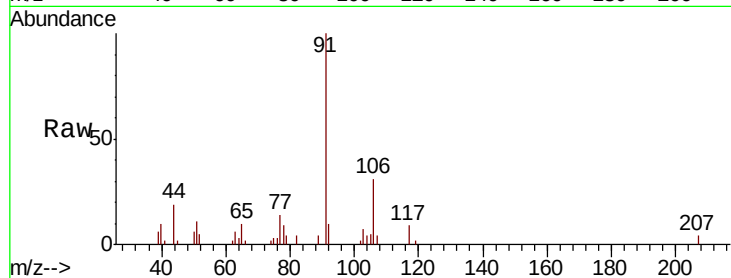
106 31.1 21.3 39.5

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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

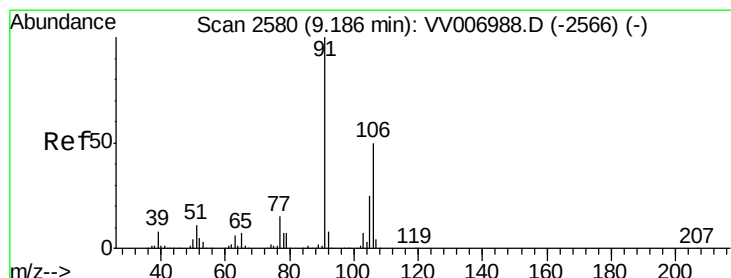
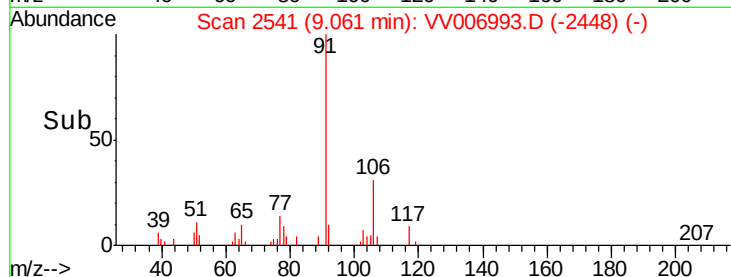
6000

4000

2000

0

Time-->



#53

m,p-xylene

Concen: 0.14 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. 0.00 min

Lab File: VV006993.D

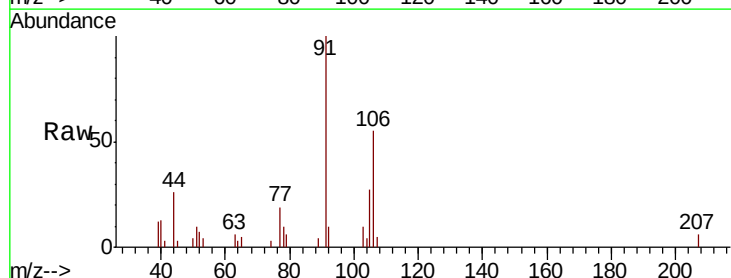
Acq: 10 Aug 2018 19:35

Tgt Ion: 106 Resp: 3963

Ion Ratio Lower Upper

106 100

91 182.8 141.6 263.0



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

5000

4000

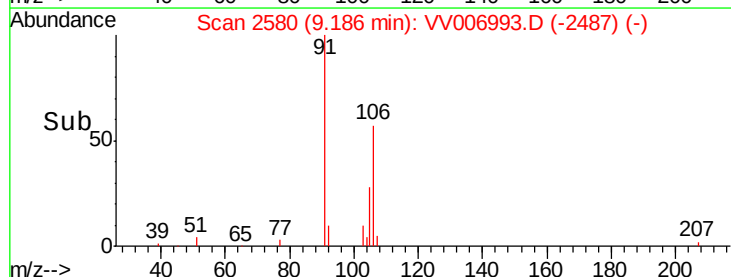
3000

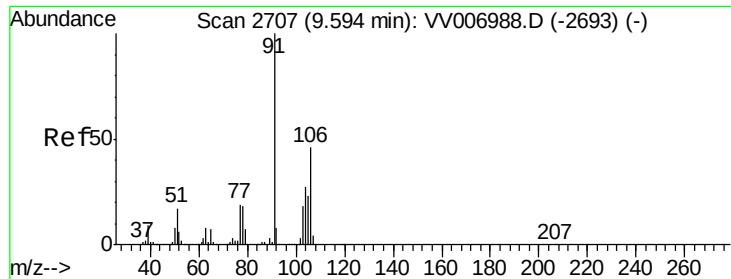
2000

1000

0

Time-->





#54

o-xylene

Concen: 0.13 ug/L

RT: 9.59 min Scan# 2707

Delta R.T. 0.00 min

Lab File: VV006993.D

Acq: 10 Aug 2018 19:35

Instrument :

MSVOA_V

ClientSampled :

MDL04

Tot Ion:106 Resp: 3472

Ion Ratio Lower Upper

106 100

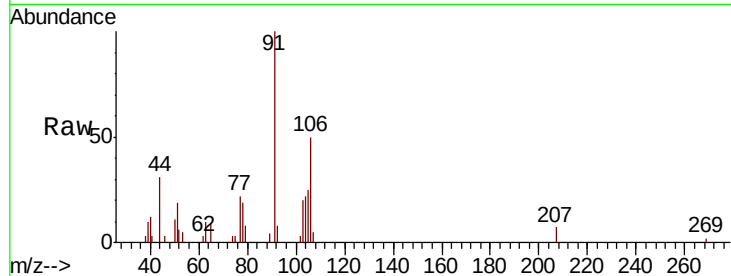
91 201.2 149.8 278.2

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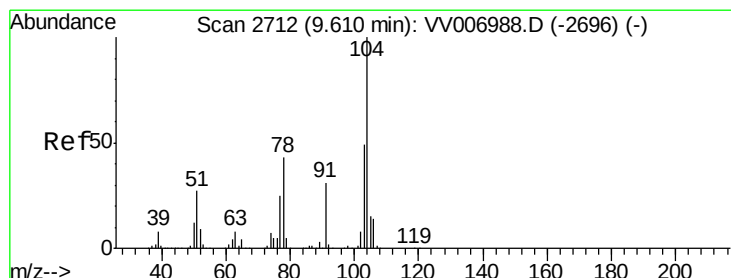
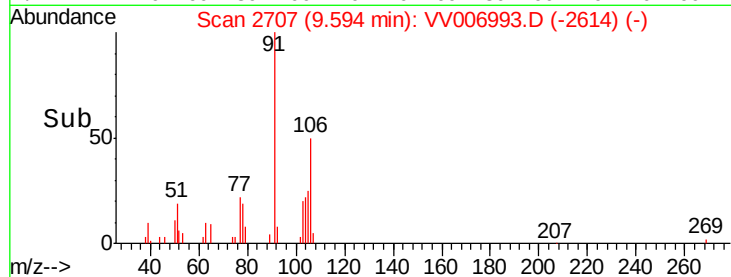
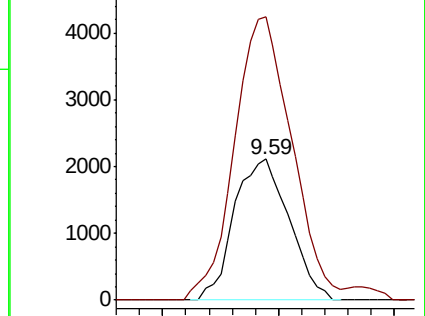
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Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 0.11 ug/L

RT: 9.61 min Scan# 2713

Delta R.T. 0.00 min

Lab File: VV006993.D

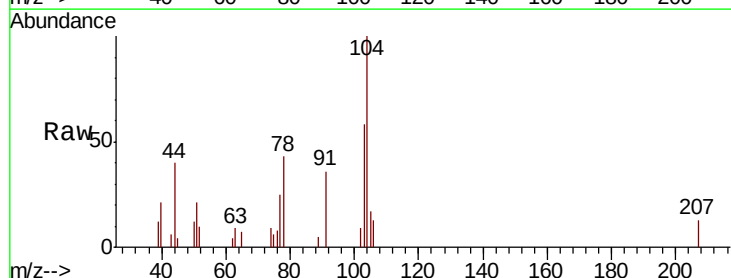
Acq: 10 Aug 2018 19:35

Tgt Ion:104 Resp: 5048

Ion Ratio Lower Upper

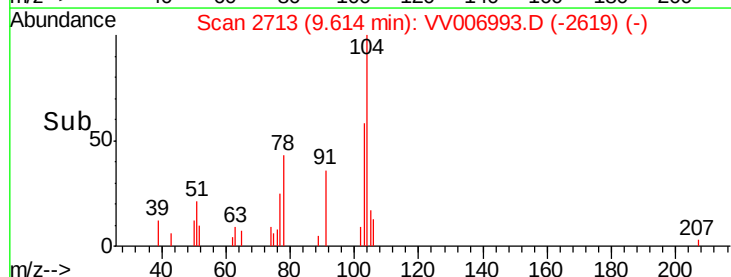
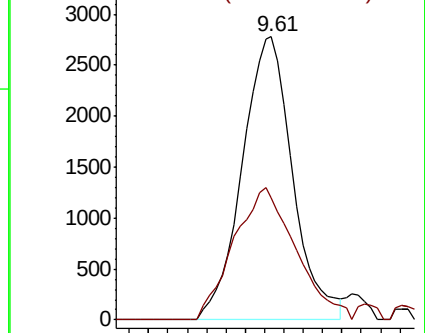
104 100

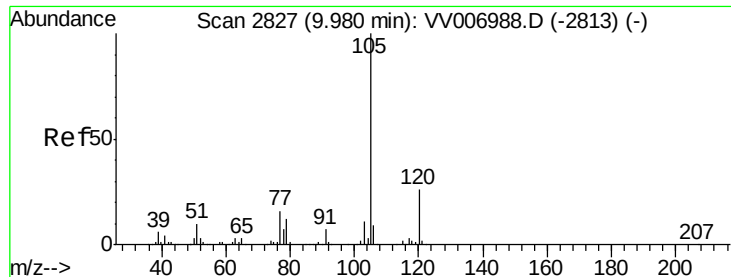
78 43.2 30.4 56.5



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





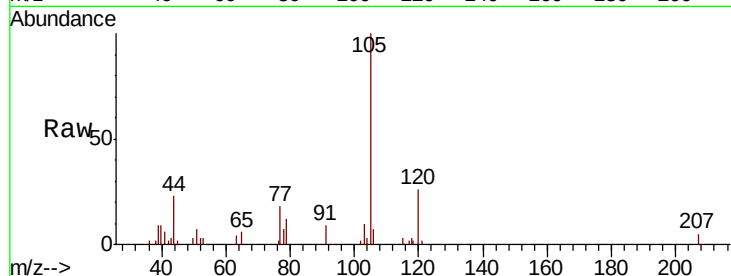
#56
Isopropylbenzene
Concen: 0.12 ug/L
RT: 9.98 min Scan# 2827
Delta R.T. 0.00 min
Lab File: VV006993.D
Acq: 10 Aug 2018 19:35

Instrument :
MSVOA_V
ClientSampled :
MDL04

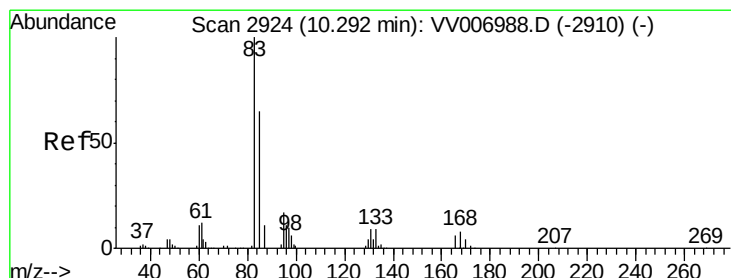
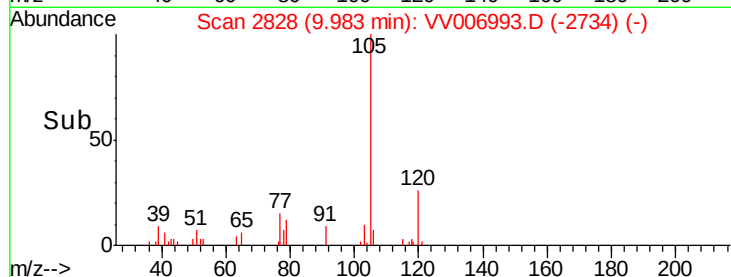
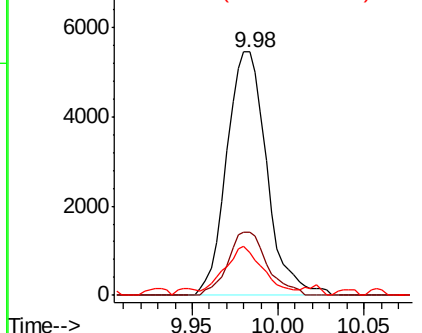
Tot Ion	Ratio	Resp	Lower	Upper
105	100	8830		
120	25.4		21.1	31.7
77	19.5		13.0	19.4#

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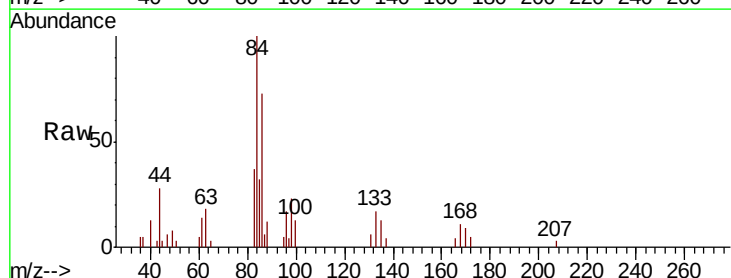


Abundance Ion 105.05 (104.75 to 105.75): VV006988.D (-2813) (-)
Ion 120.10 (119.80 to 120.80): VV006988.D (-2813) (-)
Ion 77.10 (76.80 to 77.80): VV006988.D (-2813) (-)

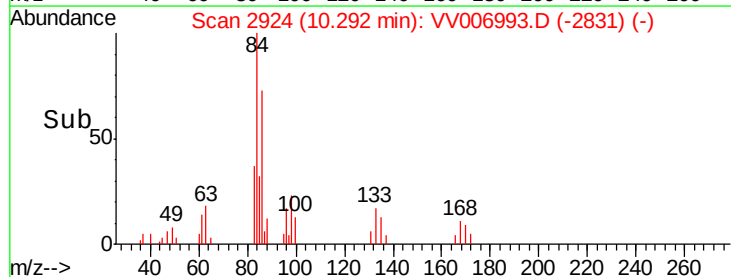
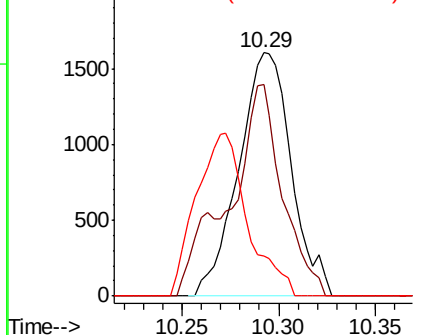


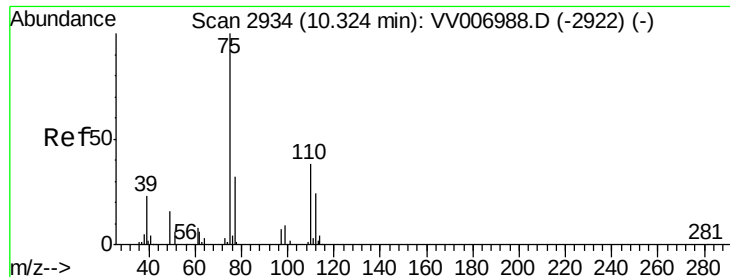
#58
1,1,2,2-Tetrachloroethane
Concen: 0.17 ug/L
RT: 10.29 min Scan# 2924
Delta R.T. 0.00 min
Lab File: VV006993.D
Acq: 10 Aug 2018 19:35

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	3030		
85	87.0		43.0	79.8#
131	16.4		7.4	11.2#



Abundance Ion 82.95 (82.65 to 83.65): VV006988.D (-2910) (-)
Ion 85.00 (84.70 to 85.70): VV006988.D (-2910) (-)
Ion 130.95 (130.65 to 131.65): VV006988.D (-2910) (-)





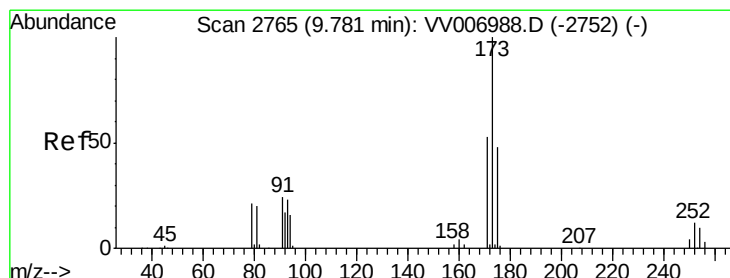
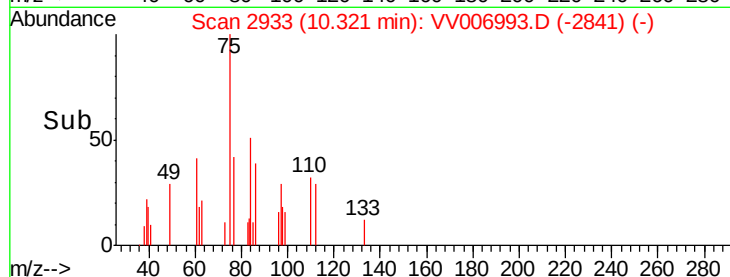
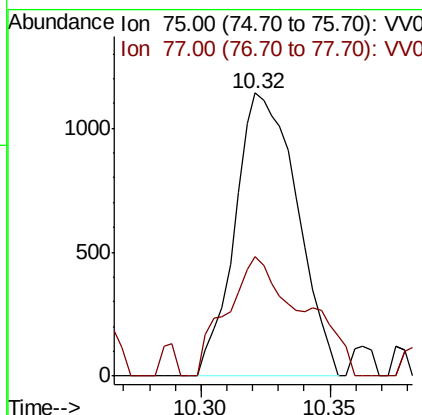
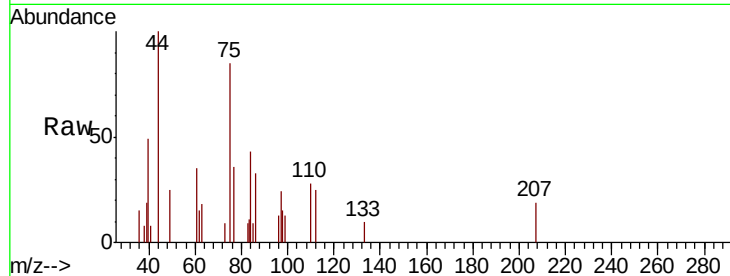
#59
 1,2,3-Trichloropropane
 Concen: 0.15 ug/L
 RT: 10.32 min Scan# 2933
 Delta R.T. -0.00 min
 Lab File: VV006993.D
 Acq: 10 Aug 2018 19:35

Instrument :
 MSVOA_V
 ClientSampled :
 MDL04

Tot Ion: 75 Resp: 1919
 Ion Ratio Lower Upper
 75 100
 77 51.7 25.4 38.0#

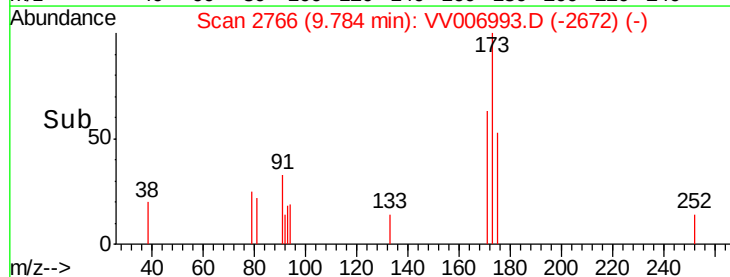
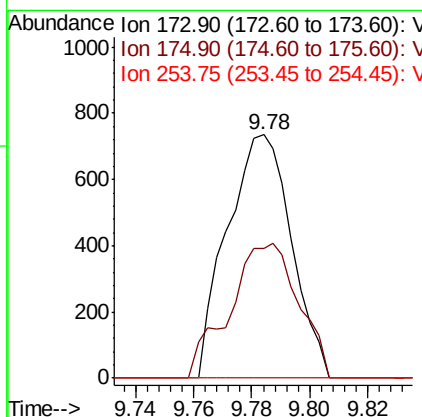
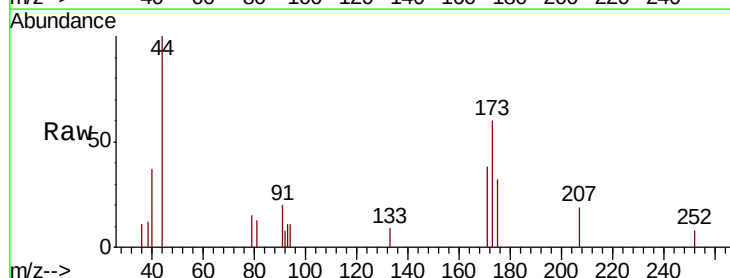
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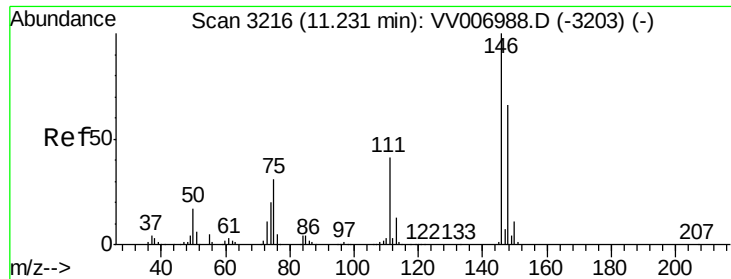
apatel
 8/13/2018 5:35:00 PM



#61
 Bromoform
 Concen: 0.16 ug/L
 RT: 9.78 min Scan# 2766
 Delta R.T. 0.00 min
 Lab File: VV006993.D
 Acq: 10 Aug 2018 19:35

Tgt Ion: 173 Resp: 1131
 Ion Ratio Lower Upper
 173 100
 175 59.5 39.3 58.9#
 254 0.0 8.3 12.5#





#62

1,3-Dichlorobenzene

Concen: 0.15 ug/L

RT: 11.23 min Scan# 3217

Delta R.T. 0.00 min

Lab File: VV006993.D

Acq: 10 Aug 2018 19:35

Instrument :

MSVOA_V

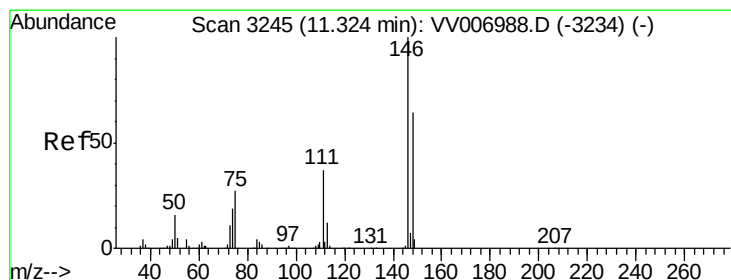
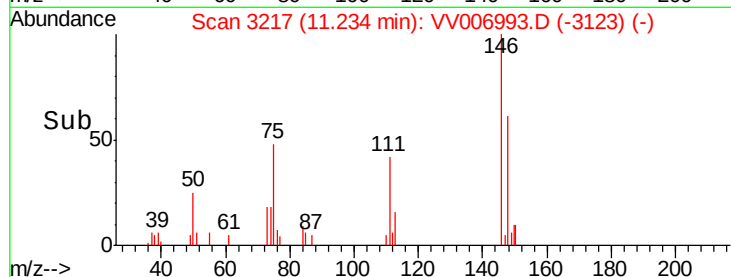
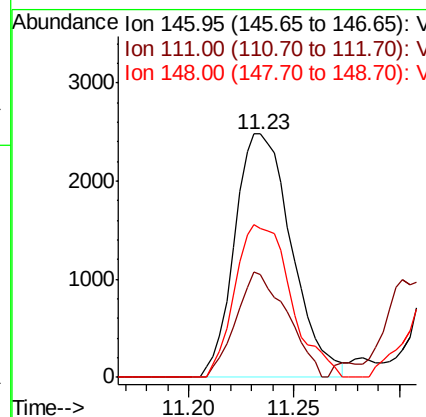
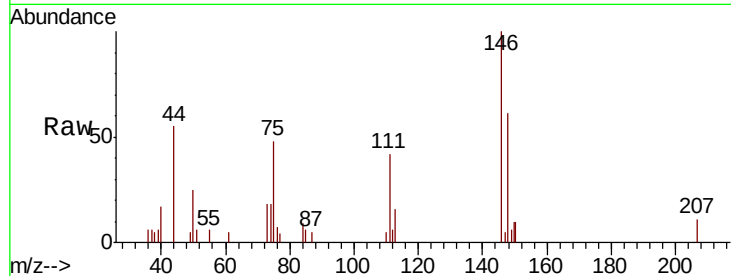
ClientSampled :

MDL04

Tot Ion:	146	Resp:	4655
Ion Ratio	Lower	Upper	
146	100		
111	42.2	28.1	52.3
148	61.0	44.2	82.2

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#63

1,4-Dichlorobenzene

Concen: 0.16 ug/L

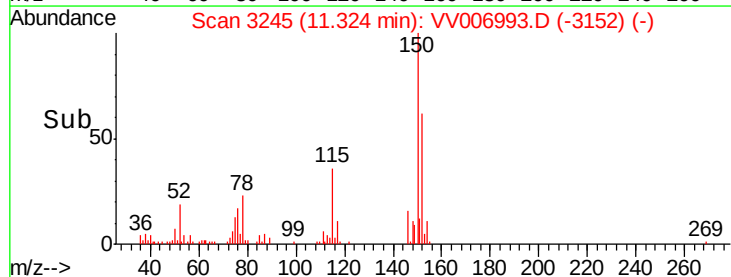
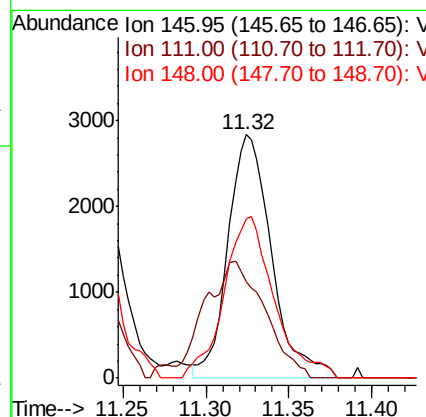
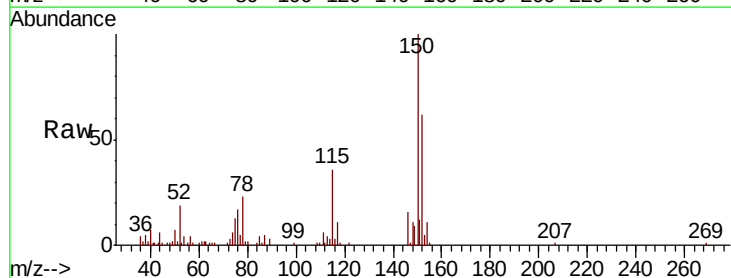
RT: 11.32 min Scan# 3245

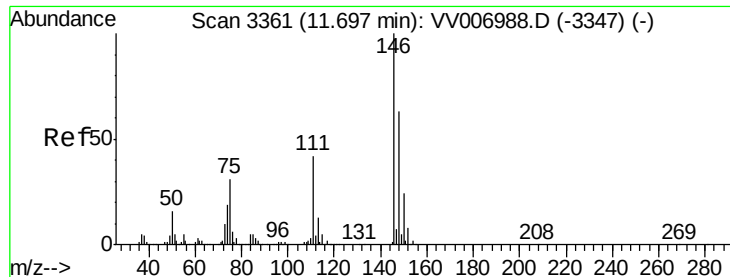
Delta R.T. 0.00 min

Lab File: VV006993.D

Acq: 10 Aug 2018 19:35

Tgt Ion:	146	Resp:	5182
Ion Ratio	Lower	Upper	
146	100		
111	39.6	26.6	49.4
148	65.3	46.4	86.2





#65

1,2-Dichlorobenzene

Concen: 0.16 ug/L

RT: 11.70 min Scan# 3361

Delta R.T. 0.00 min

Lab File: VV006993.D

Acq: 10 Aug 2018 19:35

Instrument :

MSVOA_V

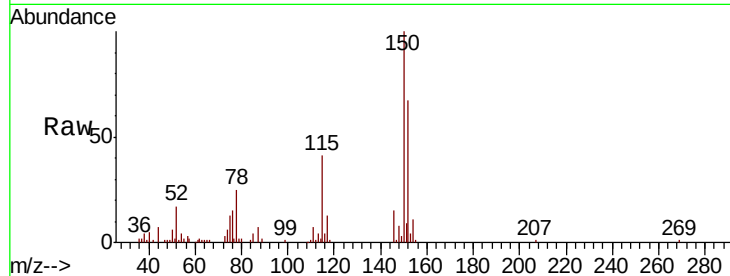
ClientSampled :

MDL04

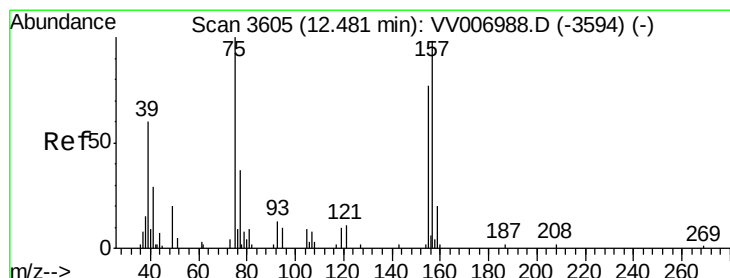
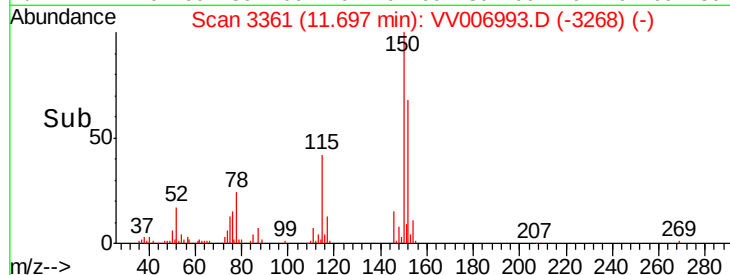
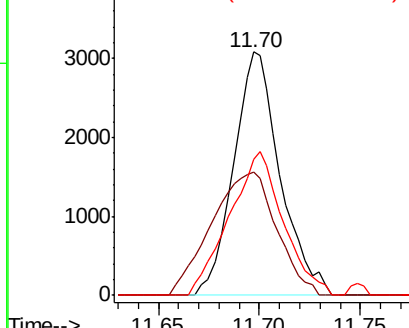
Tot Ion:	146	Resp:	4965
Ion Ratio	Lower	Upper	
146	100		
111	50.9	33.0	49.6#
148	56.0	50.6	75.8

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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: 0.18 ug/L

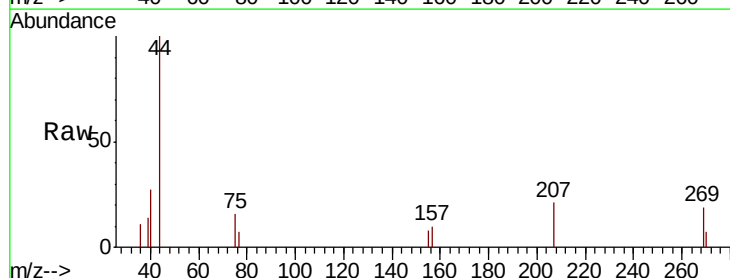
RT: 12.48 min Scan# 3606

Delta R.T. 0.00 min

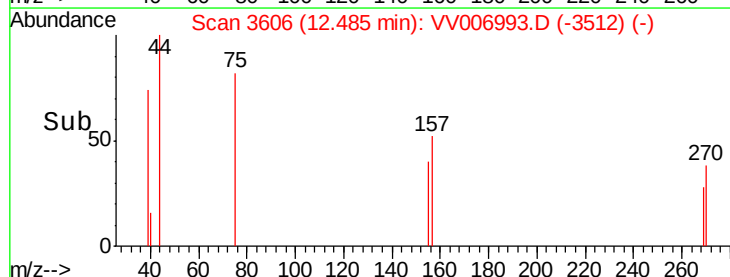
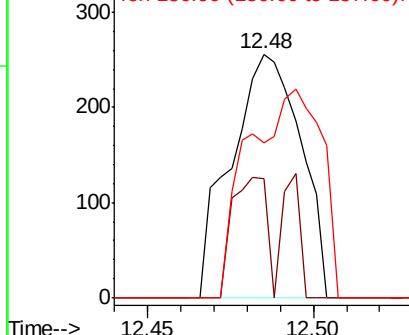
Lab File: VV006993.D

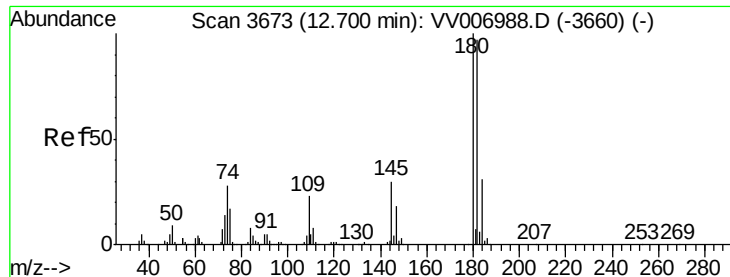
Acq: 10 Aug 2018 19:35

Tgt Ion:	75	Resp:	376
Ion Ratio	Lower	Upper	
75	100		
155	48.8	62.6	94.0#
157	63.7	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





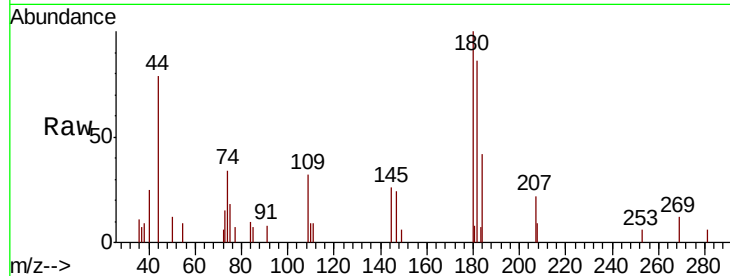
#67
 1,3,5-Trichlorobenzene
 Concen: 0.14 ug/L
 RT: 12.70 min Scan# 3673
 Delta R.T. 0.00 min
 Lab File: VV006993.D
 Acq: 10 Aug 2018 19:35

Instrument :
 MSVOA_V
 ClientSampled :
 MDL04

Tot Ion:	180	Resp:	3331
Ion Ratio	Lower	Upper	
180	100		
182	100.3	75.1	112.7
184	34.3	23.8	35.8
145	28.5	21.9	32.9

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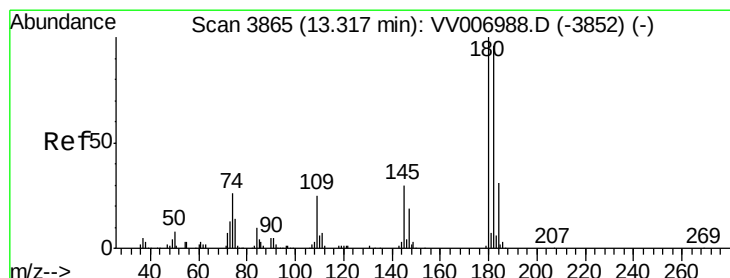
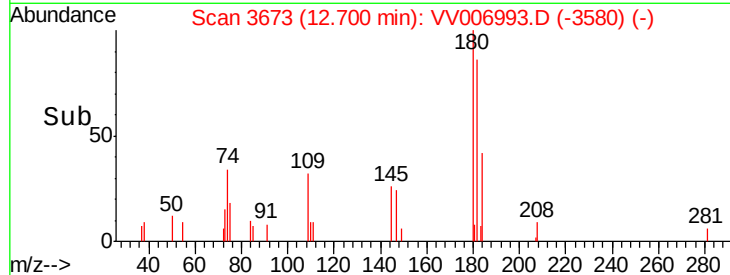
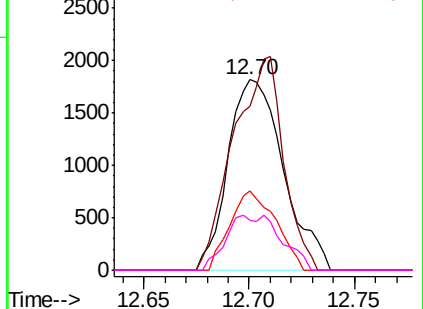
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

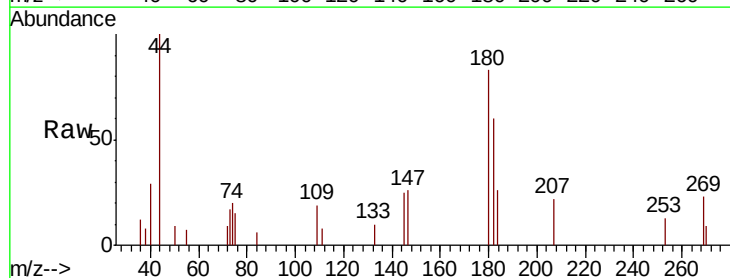
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 0.12 ug/L
 RT: 13.32 min Scan# 3866
 Delta R.T. 0.00 min
 Lab File: VV006993.D
 Acq: 10 Aug 2018 19:35

Tgt Ion:	180	Resp:	2112
Ion Ratio	Lower	Upper	
180	100		
182	84.1	76.5	114.7
145	28.3	23.6	35.4

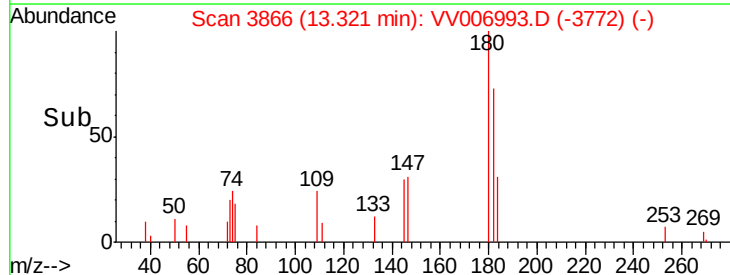
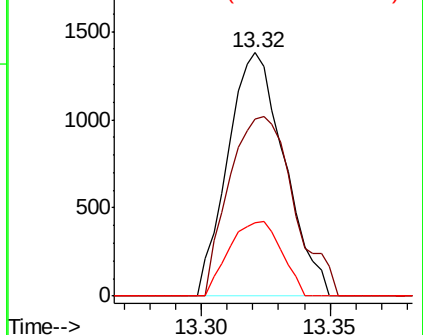


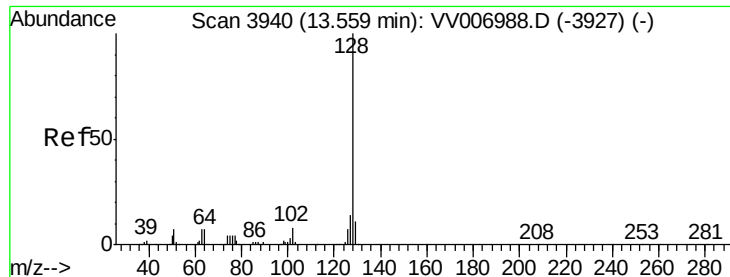
Abundance

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: 0.11 ug/L

RT: 13.56 min Scan# 3941

Delta R.T. 0.00 min

Lab File: VV006993.D

Acq: 10 Aug 2018 19:35

Instrument :

MSVOA_V

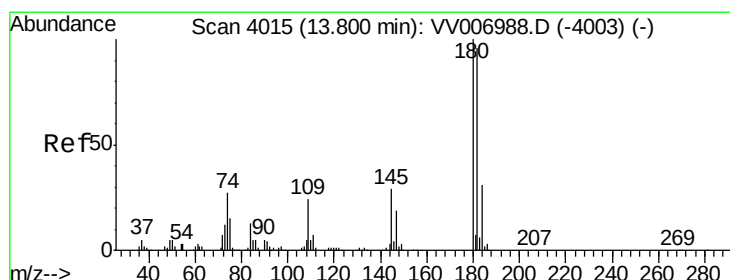
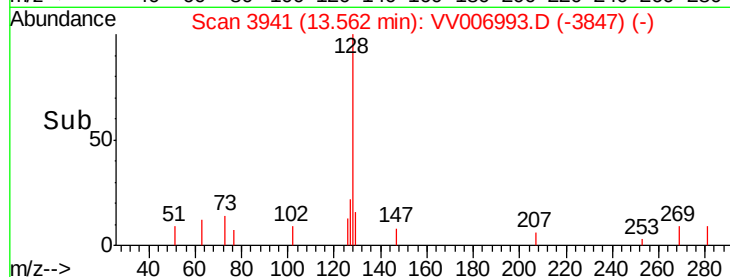
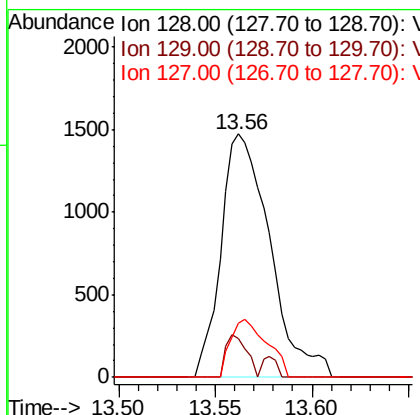
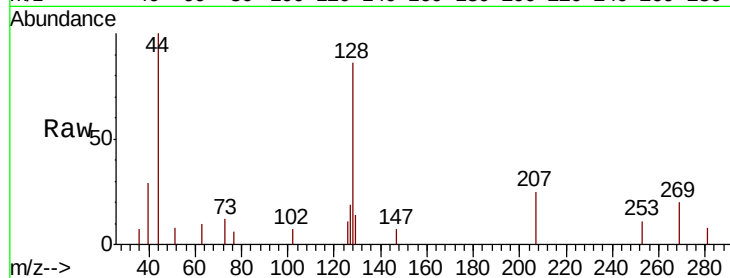
ClientSampleId :

MDL04

Tot Ion:	128	Resp:	2596
Ion Ratio	Lower	Upper	
128	100		
129	7.2	8.5	12.7#
127	17.6	10.6	16.0#

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#70

1,2,3-Trichlorobenzene

Concen: 0.12 ug/L

RT: 13.81 min Scan# 4018

Delta R.T. 0.01 min

Lab File: VV006993.D

Acq: 10 Aug 2018 19:35

Tgt Ion:	180	Resp:	1917
Ion Ratio	Lower	Upper	
180	100		
182	98.0	76.1	114.1
145	23.2	24.6	36.8#

