

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081018\
 Data File : VV006994.D
 Acq On : 10 Aug 2018 20:02
 Operator : SY/MD
 Sample : MDL05
 Misc : 25 mL/MSVOA V/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

Manual Integrations
 APPROVED

apatel
 8/13/2018 5:35:20 PM

Quant Time: Aug 11 00:31:52 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	239204	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	231278	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	93643	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	66701	4.32	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.40%
7) Chloroethane-d5	1.58	69	59946	4.58	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.60%
11) 1,1-Dichloroethene-d2	2.13	63	91249	3.15	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.00%
20) 2-Butanone-d5	3.97	46	259056	58.34	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	116.68%
24) Chloroform-d	4.41	84	156546	5.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.00%
26) 1,2-Dichloroethane-d4	5.09	65	83362	5.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.40%
32) Benzene-d6	5.10	84	283507	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.40%
36) 1,2-Dichloropropane-d6	6.12	67	103261	5.08	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.60%
41) Toluene-d8	7.37	98	212396	4.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.00%
43) trans-1,3-Dichloropropene-	7.67	79	30701	4.34	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.80%
46) 2-Hexanone-d5	8.15	63	133566	46.22	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.44%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	80984	5.12	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.40%
64) 1,2-Dichlorobenzene-d4	11.68	152	82250	5.05	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.00%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.14	85	4147	0.18	ug/L #	80
3) Chloromethane	1.25	50	4918	0.22	ug/L	100
5) Vinyl chloride	1.32	62	4374	0.19	ug/L #	61
6) Bromomethane	1.53	94	1096	0.22	ug/L	99
8) Chloroethane	1.60	64	3073	0.22	ug/L	93
9) Trichlorofluoromethane	1.77	101	5914	0.20	ug/L	89
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	4136	0.23	ug/L	92
12) 1,1-Dichloroethene	2.14	96	4316	0.25	ug/L #	1
13) Acetone	2.21	43	6052	2.65	ug/L	92
14) Carbon disulfide	2.32	76	11945	0.21	ug/L	99
15) Methyl Acetate	2.47	43	1603	0.25	ug/L #	81
16) Methylene chloride	2.54	84	6862	0.33	ug/L	85
17) Methyl tert-butyl Ether	2.82	73	8903	0.22	ug/L	97
18) trans-1,2-Dichloroethene	2.79	96	4169	0.23	ug/L	95
19) 1,1-Dichloroethane	3.23	63	6700	0.20	ug/L	97
21) 2-Butanone	4.06	43	11164m	2.25	ug/L	
22) cis-1,2-Dichloroethene	3.96	96	4661	0.22	ug/L	91

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

23) Bromochloromethane	4.30	128	2030	0.24	ug/L #	70
25) Chloroform	4.43	83	8402	0.23	ug/L	91
27) 1,2-Dichloroethane	5.19	62	4864	0.21	ug/L	100
29) 1,1,1-Trichloroethane	4.66	97	6209	0.20	ug/L	99
30) Cyclohexane	4.73	56	5429	0.17	ug/L	96
31) Carbon tetrachloride	4.87	117	4805	0.19	ug/L #	65
33) Benzene	5.15	78	15109	0.19	ug/L	100
34) Trichloroethene	5.97	95	4177	0.22	ug/L	96
35) Methylcyclohexane	6.18	83	5464	0.18	ug/L	98
37) 1,2-Dichloropropane	6.23	63	4562	0.21	ug/L	98
38) Bromodichloromethane	6.56	83	5076	0.20	ug/L	89
39) cis-1,3-Dichloropropene	7.08	75	4587	0.17	ug/L	87
40) 4-Methyl-2-pentanone	7.29	43	19341	1.63	ug/L #	88
42) Toluene	7.44	91	15420	0.20	ug/L	91
44) trans-1,3-Dichloropropene	7.70	75	4238	0.19	ug/L	92
45) 1,1,2-Trichloroethane	7.89	97	2819	0.20	ug/L	93
47) Tetrachloroethene	8.02	164	3252	0.21	ug/L	98
48) 2-Hexanone	8.20	43	37302	4.46	ug/L	94
49) Dibromochloromethane	8.30	129	3261	0.22	ug/L	91
50) 1,2-Dibromoethane	8.41	107	2591	0.21	ug/L #	95
51) Chlorobenzene	8.93	112	9970	0.20	ug/L	97
52) Ethylbenzene	9.06	91	13949	0.18	ug/L	93
53) m,p-xylene	9.19	106	4900	0.17	ug/L	82
54) o-xylene	9.59	106	4807	0.18	ug/L	75
55) Styrene	9.61	104	6644	0.15	ug/L	94
56) Isopropylbenzene	9.98	105	10927	0.15	ug/L #	94
58) 1,1,2,2-Tetrachloroethane	10.29	83	3718	0.21	ug/L #	94
59) 1,2,3-Trichloropropane	10.32	75	2351	0.19	ug/L #	72
61) Bromoform	9.78	173	1505	0.21	ug/L #	96
62) 1,3-Dichlorobenzene	11.24	146	5851	0.19	ug/L	94
63) 1,4-Dichlorobenzene	11.33	146	6401	0.21	ug/L	98
65) 1,2-Dichlorobenzene	11.70	146	6054	0.20	ug/L	93
66) 1,2-Dibromo-3-chloropropan	12.49	75	460	0.22	ug/L #	46
67) 1,3,5-Trichlorobenzene	12.70	180	4394	0.19	ug/L	93
68) 1,2,4-trichlorobenzene	13.31	180	2402	0.14	ug/L	94
69) Naphthalene	13.57	128	3283	0.14	ug/L #	90
70) 1,2,3-Trichlorobenzene	13.80	180	2721	0.17	ug/L	90

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

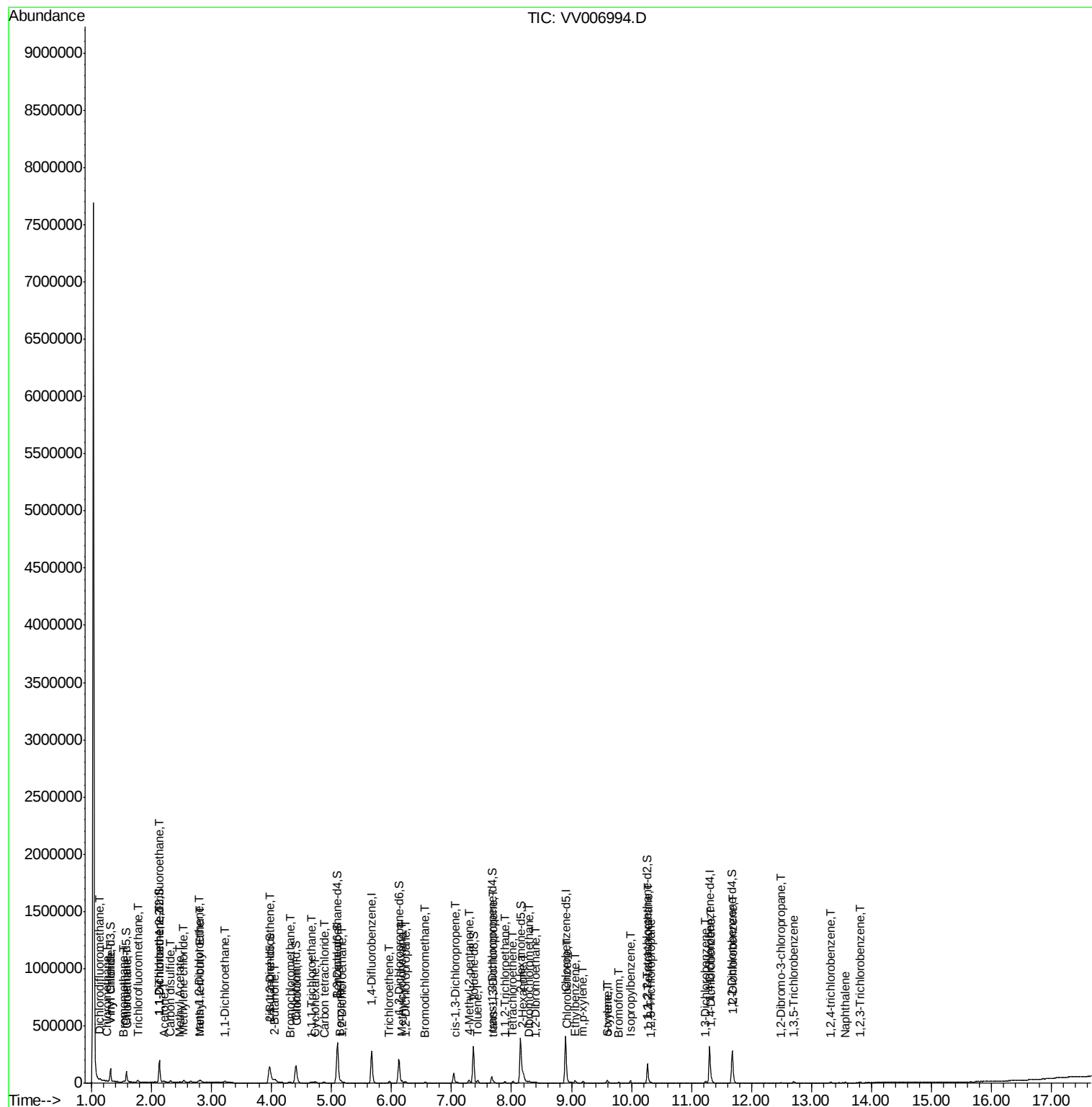
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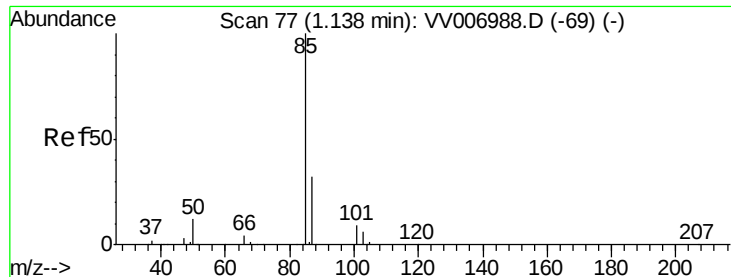
Instrument :
MSVOA_V
ClientSampleId :
MDL05

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#2

Dichlorodifluoromethane

Concen: 0.18 ug/L

RT: 1.14 min Scan# 77

Delta R.T. -0.00 min

Lab File: VV006994.D

Acq: 10 Aug 2018 20:02

Instrument :

MSVOA_V

ClientSampleId :

MDL05

Tot Ion: 85 Resp: 4147

Ion Ratio Lower Upper

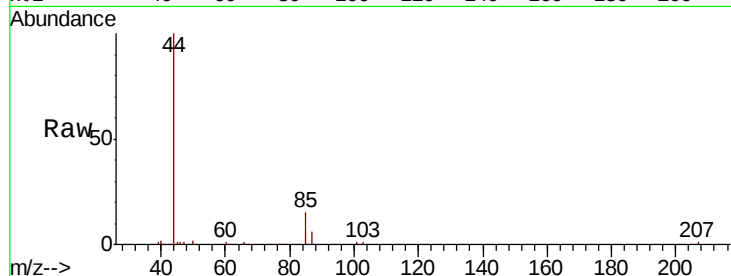
85 100

87 42.8 25.4 38.2#

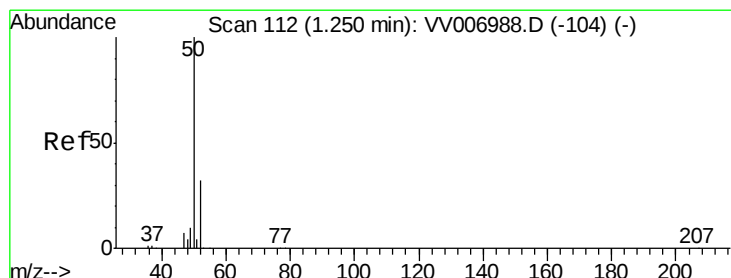
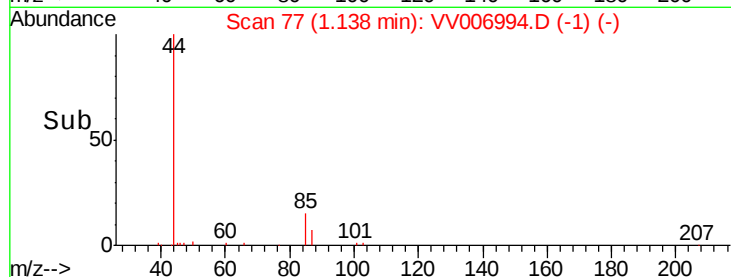
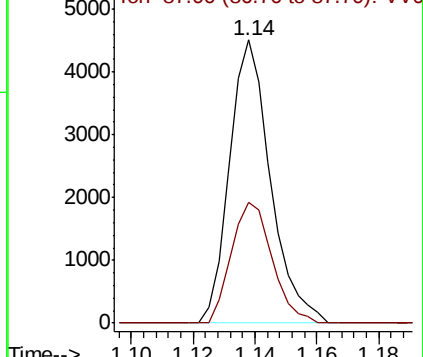
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Abundance Ion 85.00 (84.70 to 85.70): VV006988.D (-69) (-)



#3

Chloromethane

Concen: 0.22 ug/L

RT: 1.25 min Scan# 112

Delta R.T. 0.00 min

Lab File: VV006994.D

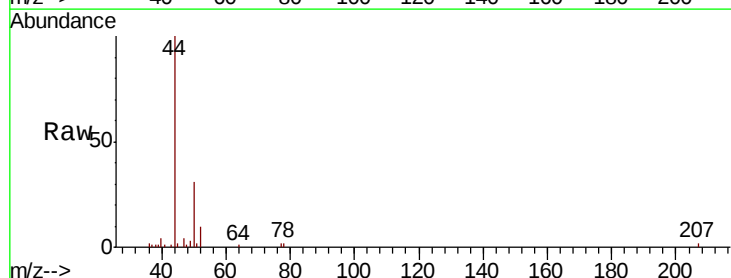
Acq: 10 Aug 2018 20:02

Tgt Ion: 50 Resp: 4918

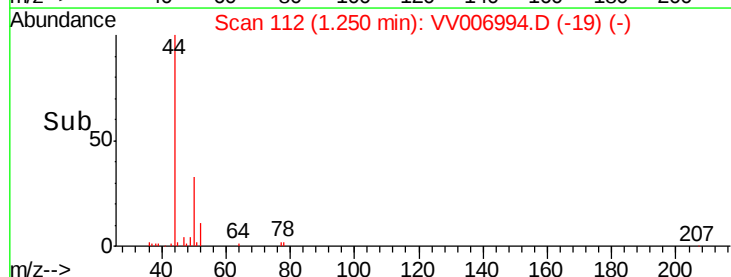
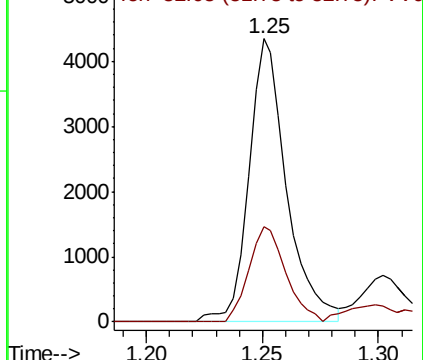
Ion Ratio Lower Upper

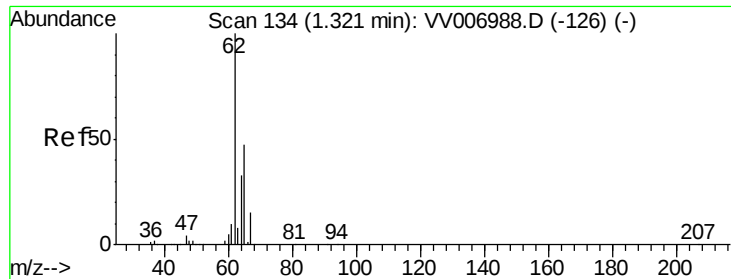
50 100

52 33.6 23.6 43.8



Abundance Ion 50.05 (49.75 to 50.75): VV006988.D (-104) (-)





#5

Vinyl chloride

Concen: 0.19 ug/L

RT: 1.32 min Scan# 134

Delta R.T. 0.00 min

Lab File: VV006994.D

Acq: 10 Aug 2018 20:02

Instrument :

MSVOA_V

ClientSampled :

MDL05

Tot Ion: 62 Resp: 4374

Ion Ratio Lower Upper

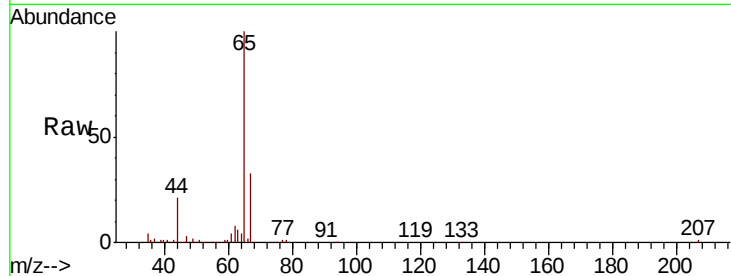
62 100

64 55.6 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): VV006994.D (-41) (-)

1.32

4000

3000

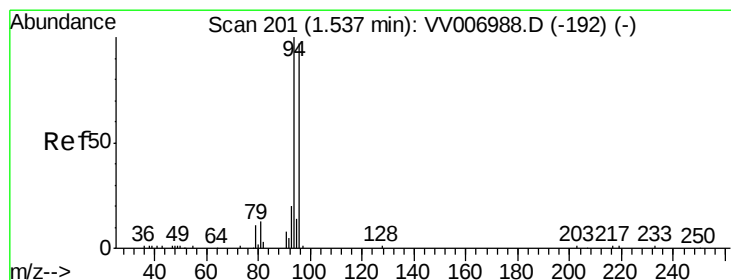
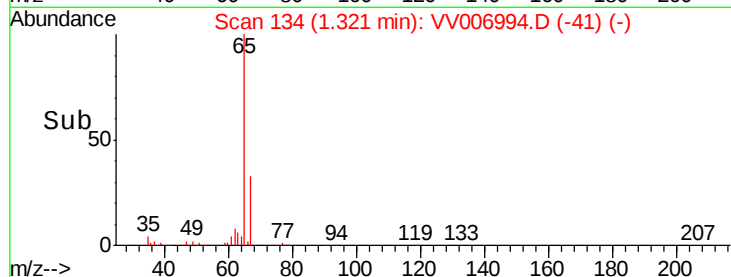
2000

1000

0

1.30 1.35

Time-->



#6

Bromomethane

Concen: 0.22 ug/L

RT: 1.53 min Scan# 200

Delta R.T. -0.00 min

Lab File: VV006994.D

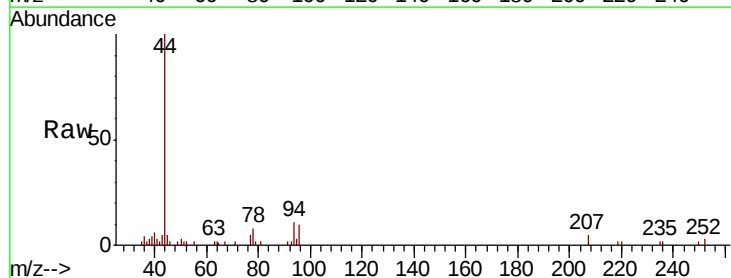
Acq: 10 Aug 2018 20:02

Tgt Ion: 94 Resp: 1096

Ion Ratio Lower Upper

94 100

96 91.5 65.0 120.6



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

Ion 96.00 (95.70 to 96.70): VV006994.D (-108) (-)

1.53

800

600

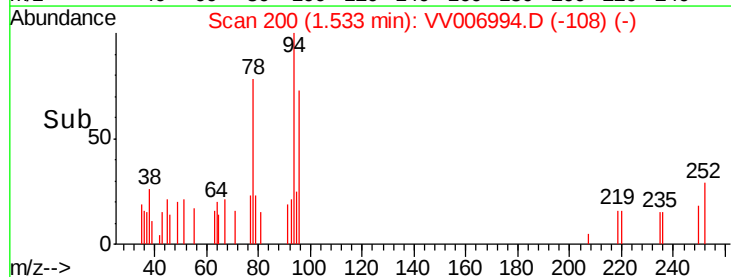
400

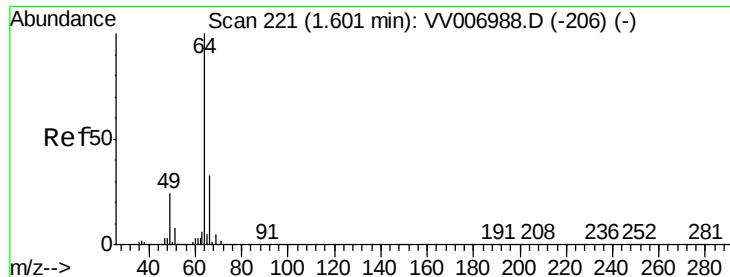
200

0

1.50 1.55

Time-->





#8

Chloroethane

Concen: 0.22 ug/L

RT: 1.60 min Scan# 220

Delta R.T. -0.00 min

Lab File: VV006994.D

Acq: 10 Aug 2018 20:02

Instrument :

MSVOA_V

ClientSampled :

MDL05

Tot Ion: 64 Resp: 3073

Ion Ratio Lower Upper

64 100

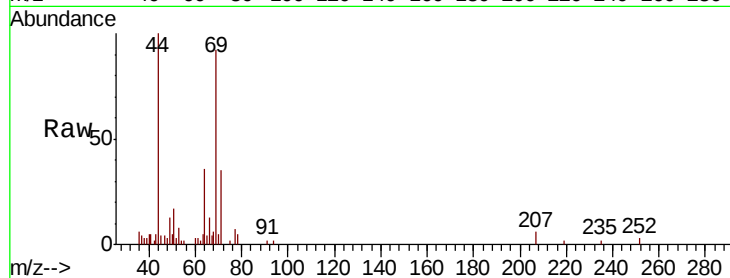
66 36.0 22.6 42.0

Manual Integrations

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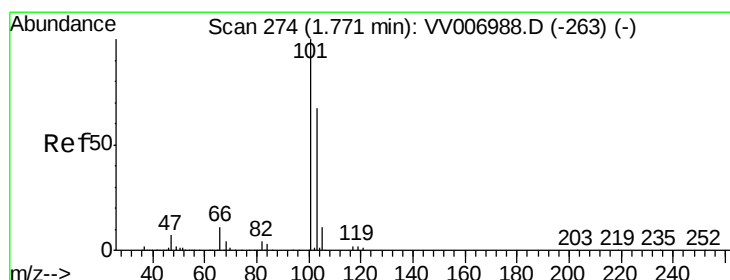
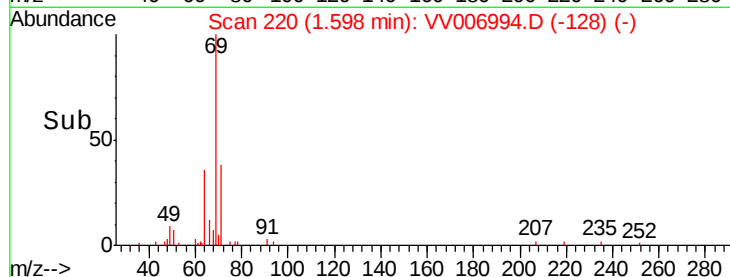
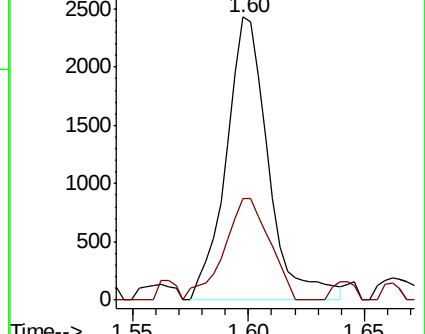
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Abundance Ion 64.10 (63.80 to 64.80): VV0

Ion 66.05 (65.75 to 66.75): VV0



#9

Trichlorofluoromethane

Concen: 0.20 ug/L

RT: 1.77 min Scan# 274

Delta R.T. 0.00 min

Lab File: VV006994.D

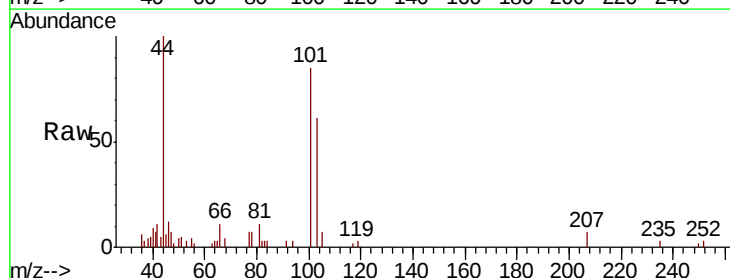
Acq: 10 Aug 2018 20:02

Tgt Ion: 101 Resp: 5914

Ion Ratio Lower Upper

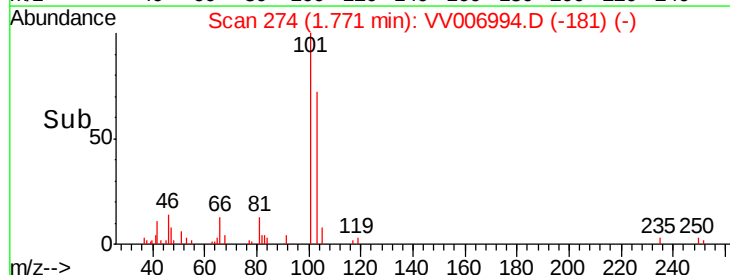
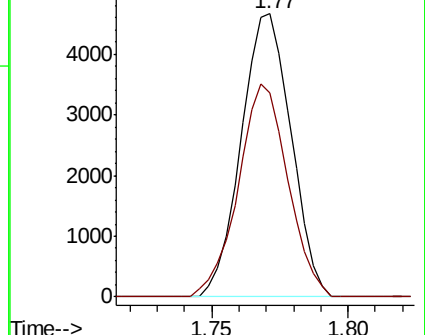
101 100

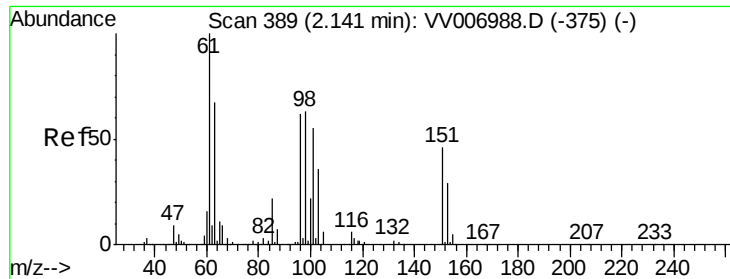
103 74.7 52.7 79.1



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: 0.23 ug/L

RT: 2.14 min Scan# 388

Delta R.T. -0.00 min

Lab File: VV006994.D

Acq: 10 Aug 2018 20:02

Instrument :

MSVOA_V

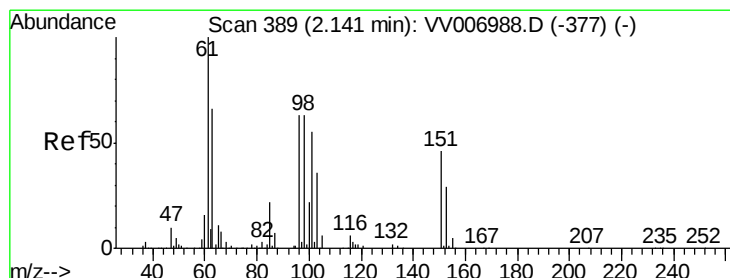
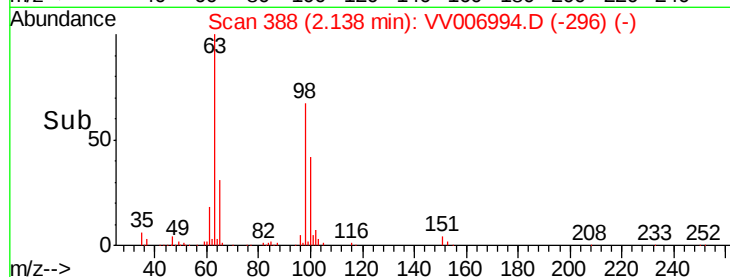
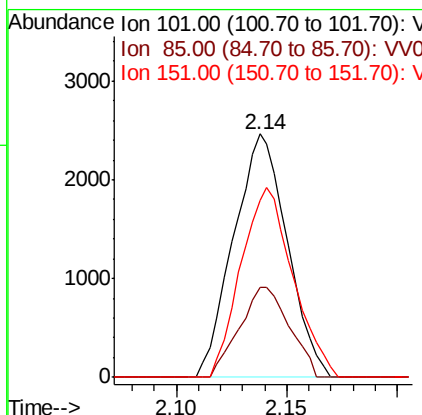
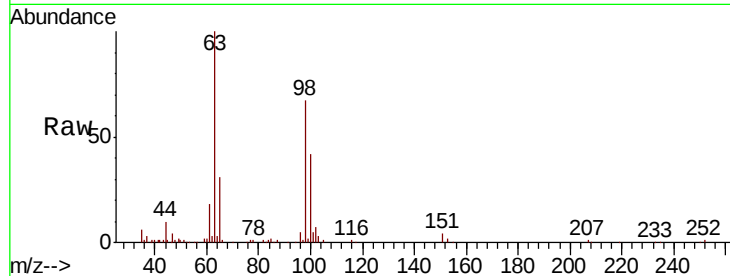
ClientSampled :

MDL05

Tot Ion:	101	Resp:	4136
Ion Ratio	Lower	Upper	
101	100		
85	34.6	33.9	50.9
151	75.6	64.1	96.1

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#12

1,1-Dichloroethene

Concen: 0.25 ug/L

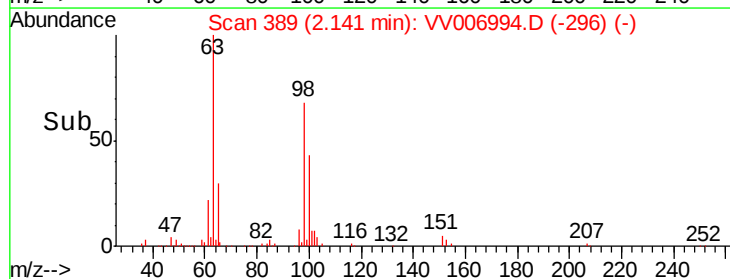
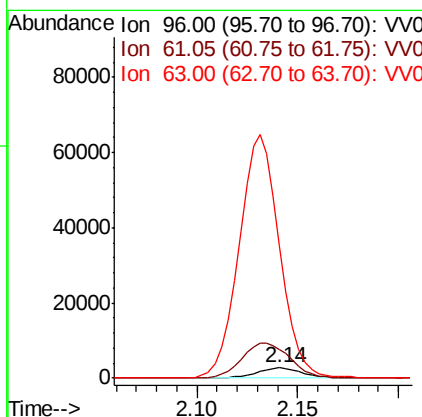
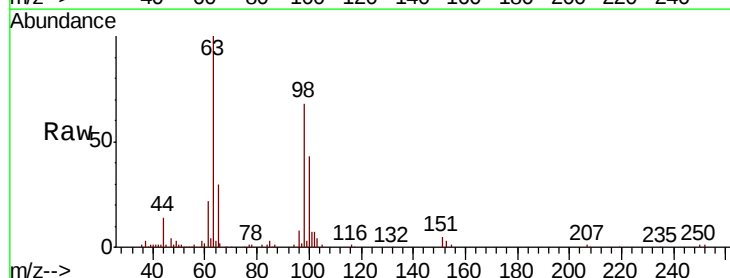
RT: 2.14 min Scan# 389

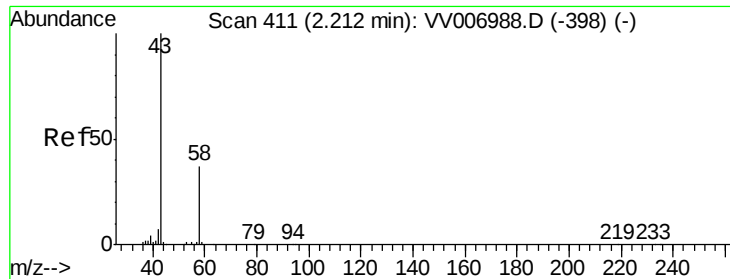
Delta R.T. 0.00 min

Lab File: VV006994.D

Acq: 10 Aug 2018 20:02

Tgt Ion:	96	Resp:	4316
Ion Ratio	Lower	Upper	
96	100		
61	274.5	111.6	207.4#
63	1255.1	84.9	157.7#





#13

Acetone

Concen: 2.65 ug/L

RT: 2.21 min Scan# 409

Delta R.T. -0.01 min

Lab File: VV006994.D

Acq: 10 Aug 2018 20:02

Tot Ion: 43 Resp: 6052

Ion Ratio Lower Upper

43 100

58 40.5 0.0 71.4

Instrument :

MSVOA_V

ClientSampleId :

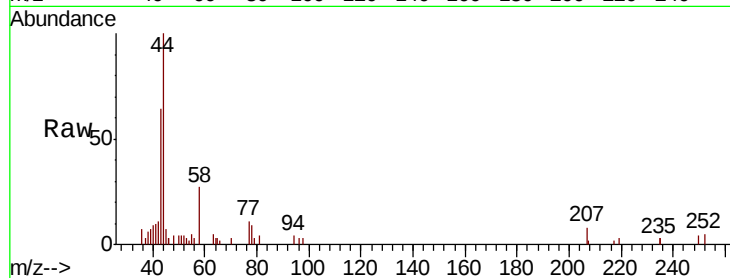
MDL05

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Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

2.21

3000

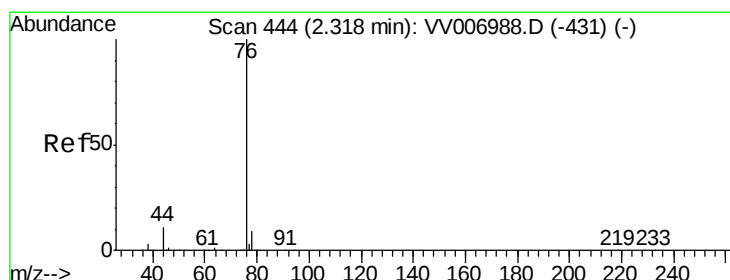
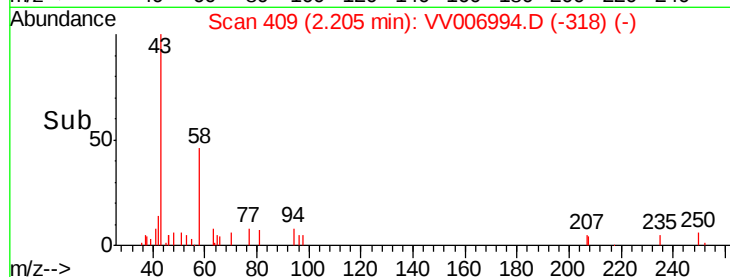
2000

1000

0

Time-->

2.15 2.20 2.25 2.30



#14

Carbon disulfide

Concen: 0.21 ug/L

RT: 2.32 min Scan# 444

Delta R.T. -0.00 min

Lab File: VV006994.D

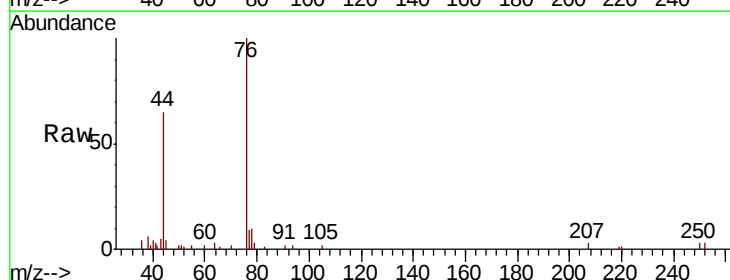
Acq: 10 Aug 2018 20:02

Tgt Ion: 76 Resp: 11945

Ion Ratio Lower Upper

76 100

78 9.8 7.6 11.4



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

2.32

10000

8000

6000

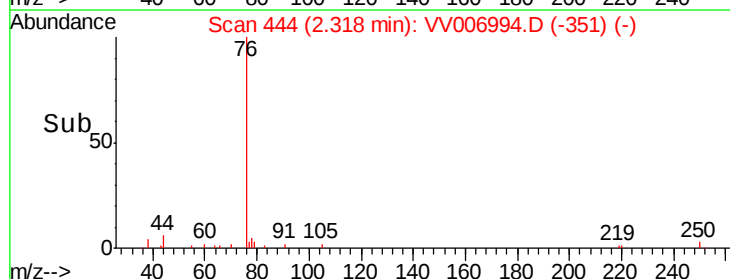
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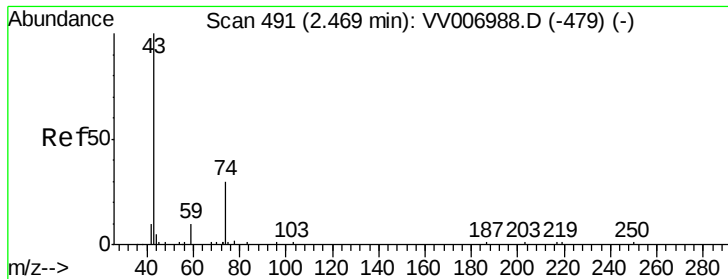
2000

0

Time-->

2.30 2.35





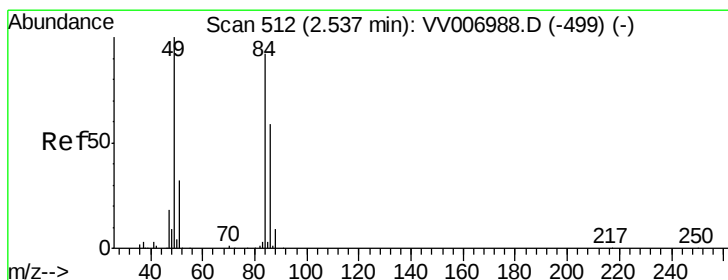
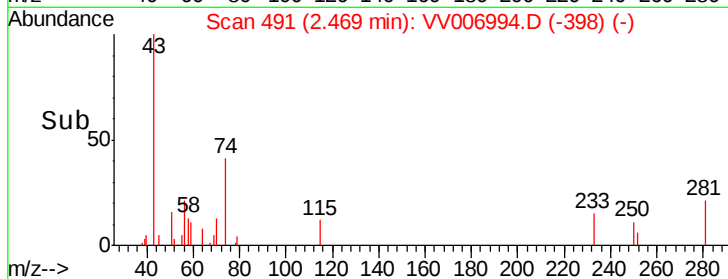
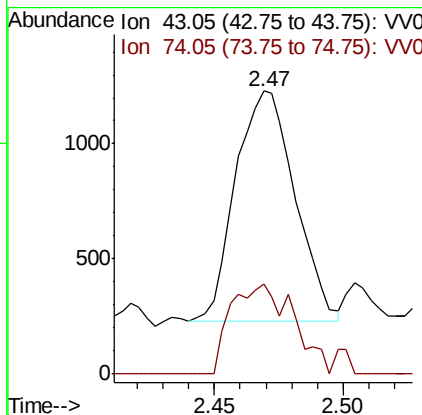
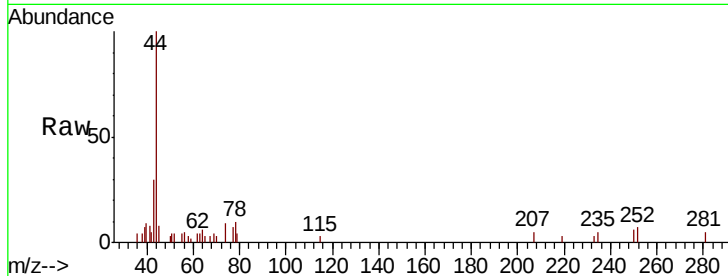
#15
Methyl Acetate
Concen: 0.25 ug/L
RT: 2.47 min Scan# 491
Delta R.T. 0.00 min
Lab File: VV006994.D
Acq: 10 Aug 2018 20:02

Instrument :
MSVOA_V
ClientSampled :
MDL05

Tot Ion: 43 Resp: 1603
Ion Ratio Lower Upper
43 100
74 41.4 24.6 37.0#

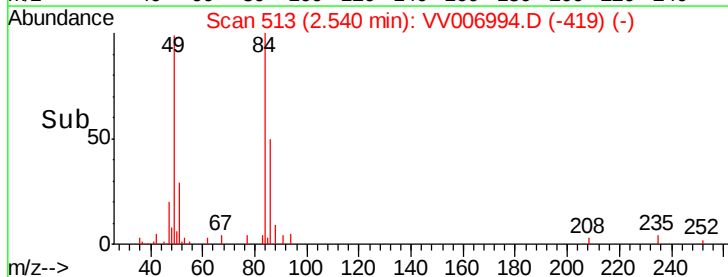
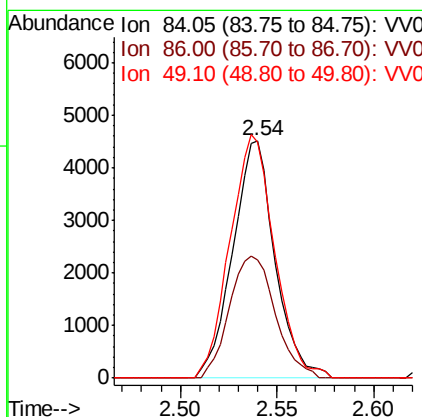
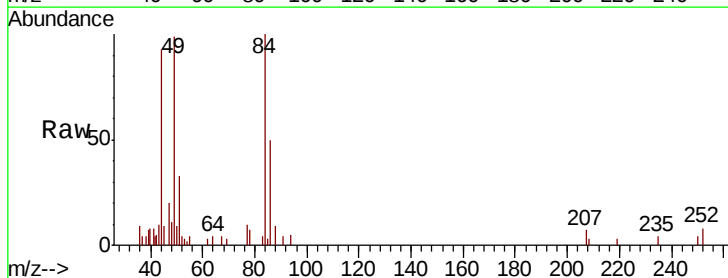
Manual Integrations
APPROVED

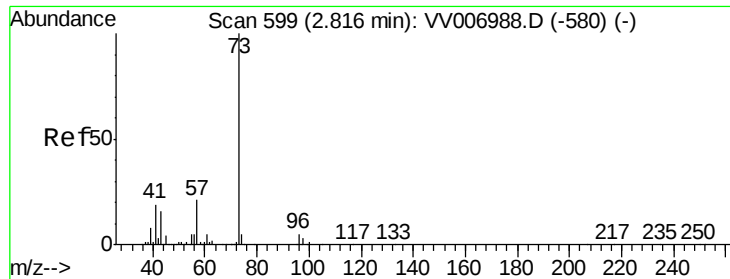
apatel
8/13/2018 5:35:20 PM



#16
Methylene chloride
Concen: 0.33 ug/L
RT: 2.54 min Scan# 513
Delta R.T. 0.00 min
Lab File: VV006994.D
Acq: 10 Aug 2018 20:02

Tgt Ion: 84 Resp: 6862
Ion Ratio Lower Upper
84 100
86 50.0 45.7 84.9
49 99.3 78.8 146.4





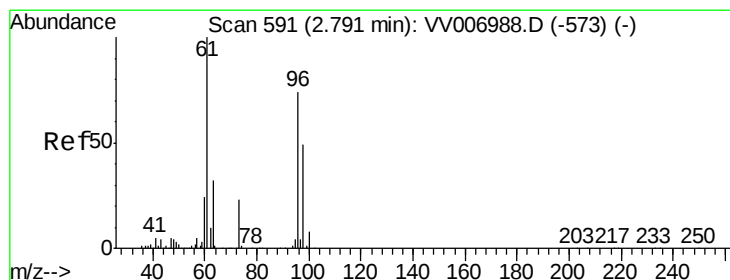
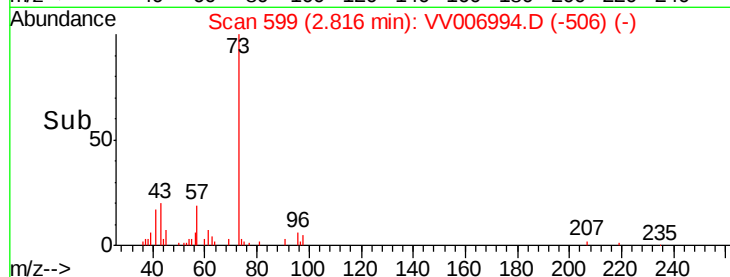
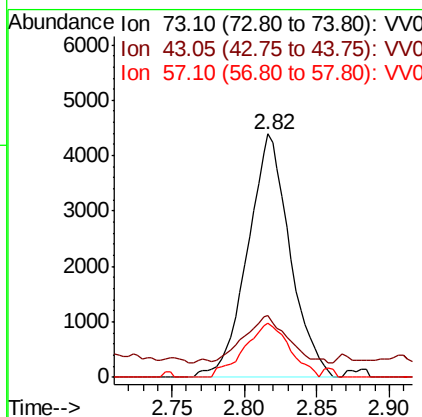
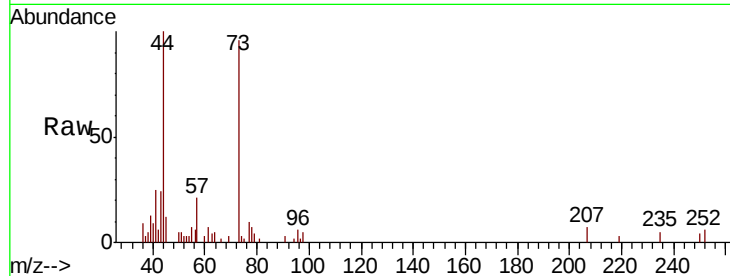
#17
Methvl tert-butvl Ether
Concen: 0.22 ug/L
RT: 2.82 min Scan# 599
Delta R.T. 0.00 min
Lab File: VV006994.D
Acq: 10 Aug 2018 20:02

Instrument :
MSVOA_V
ClientSampleId :
MDL05

Tot Ion:	73	Resp:	8903
Ion	Ratio	Lower	Upper
73	100		
43	19.9	14.4	21.6
57	23.6	17.9	26.9

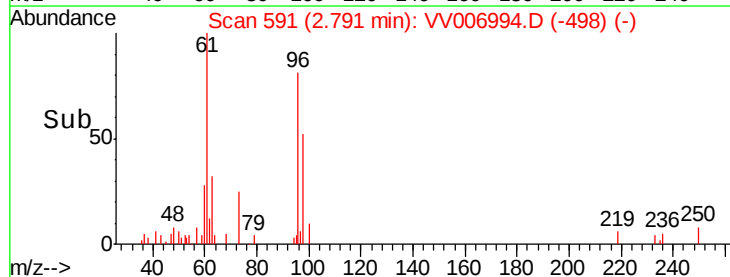
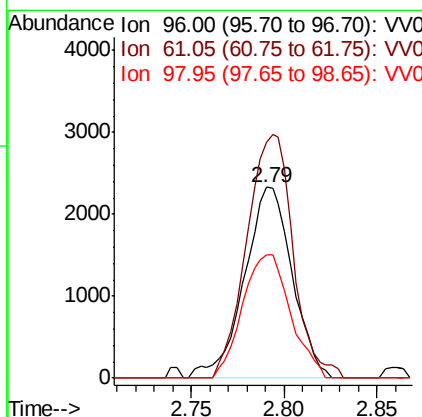
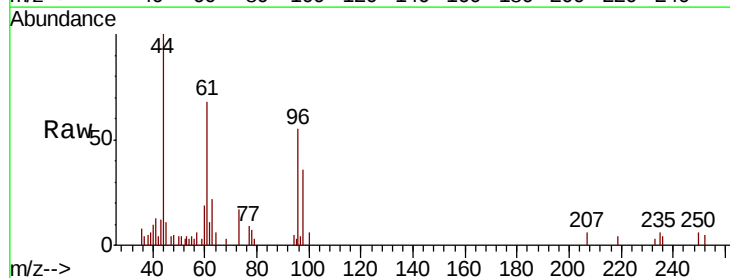
Manual Integrations
APPROVED

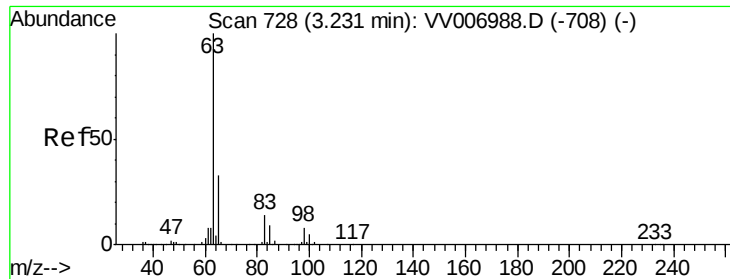
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#18
trans-1,2-Dichloroethene
Concen: 0.23 ug/L
RT: 2.79 min Scan# 591
Delta R.T. -0.00 min
Lab File: VV006994.D
Acq: 10 Aug 2018 20:02

Tgt Ion:	96	Resp:	4169
Ion	Ratio	Lower	Upper
96	100		
61	123.3	91.1	169.3
98	64.6	43.5	80.9





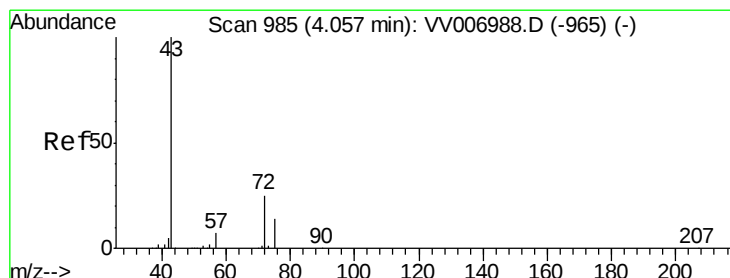
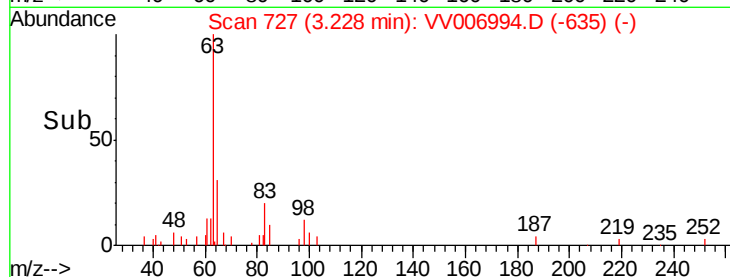
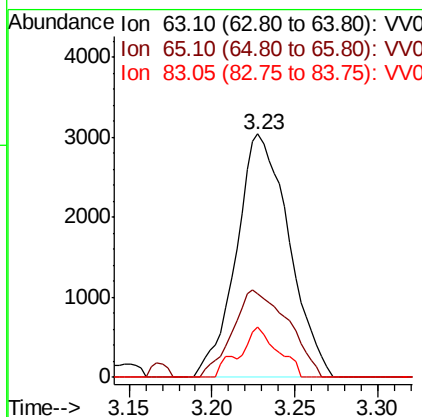
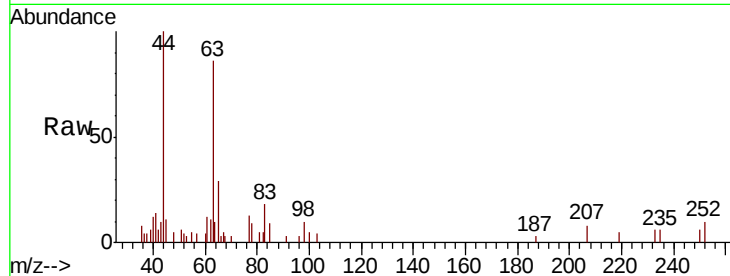
#19
 1,1-Dichloroethane
 Concen: 0.20 ug/L
 RT: 3.23 min Scan# 727
 Delta R.T. -0.00 min
 Lab File: VV006994.D
 Acq: 10 Aug 2018 20:02

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

Tot Ion:	63	Resp:	6700
Ion	Ratio	Lower	Upper
63	100		
65	30.7	21.7	40.3
83	18.3	10.0	18.6

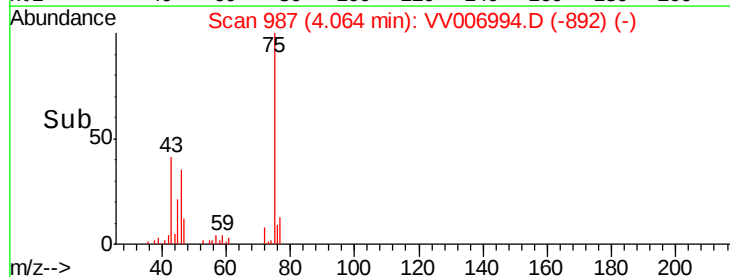
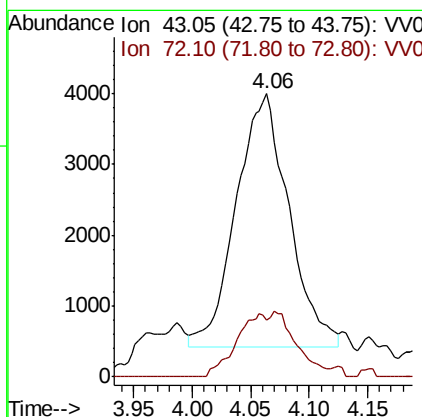
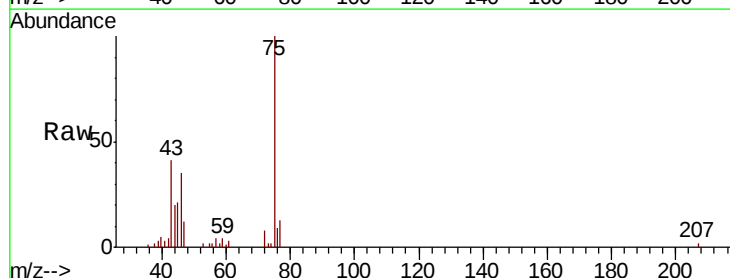
Manual Integrations
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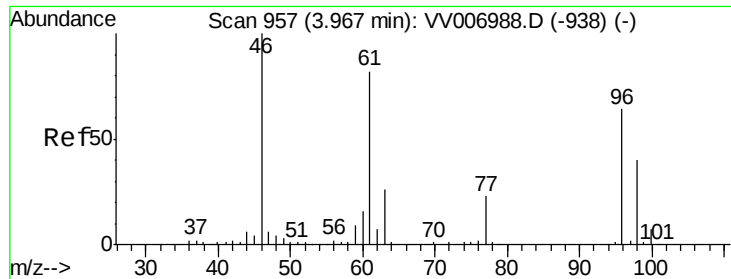
apatel
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#21
 2-Butanone
 Concen: 2.25 ug/L m
 RT: 4.06 min Scan# 987
 Delta R.T. 0.01 min
 Lab File: VV006994.D
 Acq: 10 Aug 2018 20:02

Tgt Ion:	43	Resp:	11164
Ion	Ratio	Lower	Upper
43	100		
72	0.8	12.4	37.2#





#22

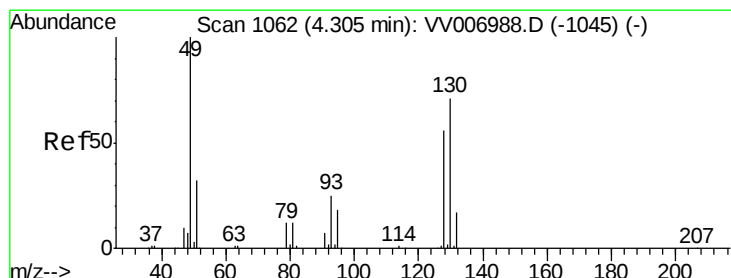
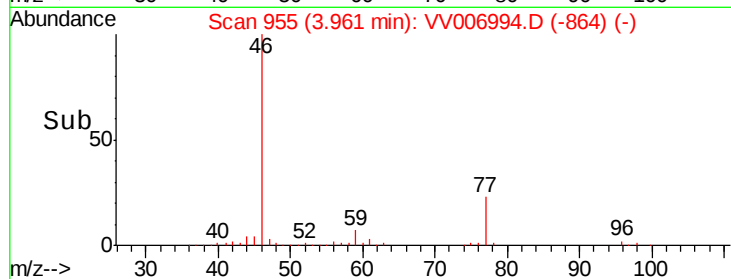
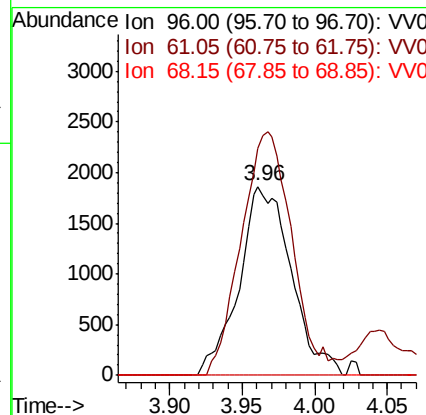
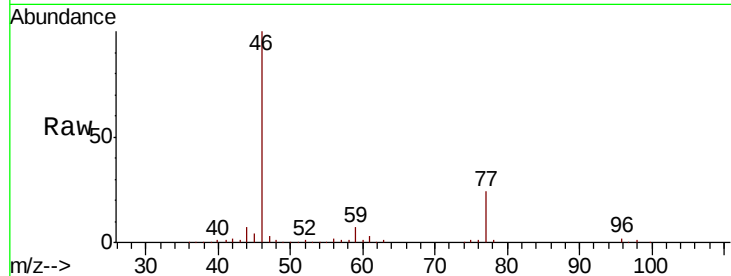
cis-1,2-Dichloroethene
 Concen: 0.22 ug/L
 RT: 3.96 min Scan# 955
 Delta R.T. -0.01 min
 Lab File: VV006994.D
 Acq: 10 Aug 2018 20:02

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

Tot Ion	Ratio	Lower	Upper
96	100		
61	119.9	91.1	169.1
68	0.0	0.0	0.0

Manual Integrations
 APPROVED

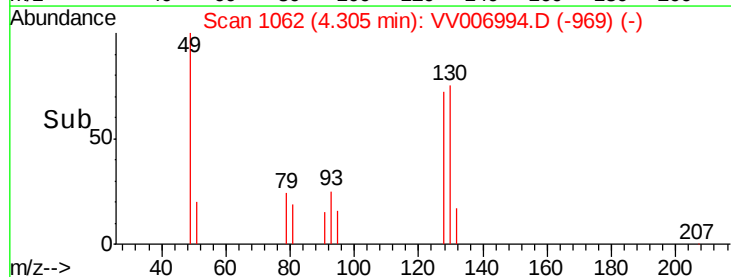
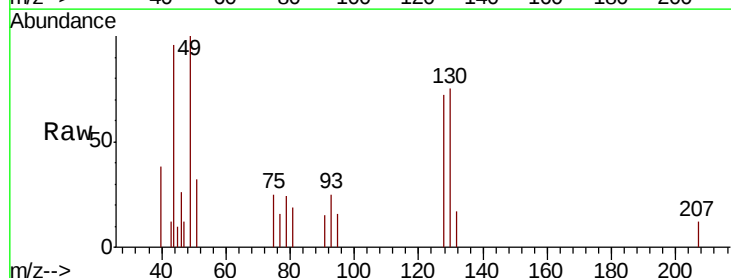
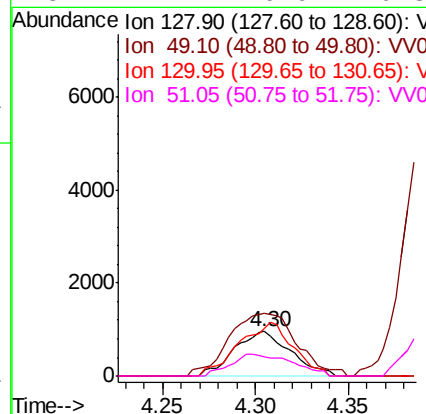
apatel
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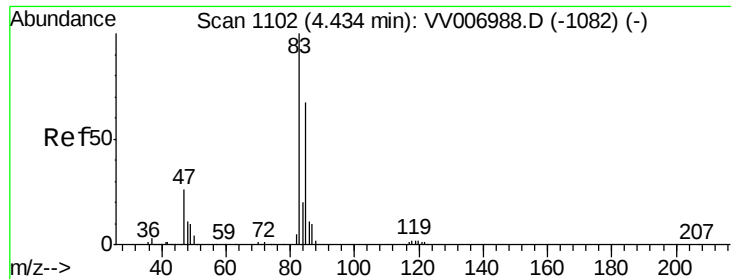


#23

Bromochloromethane
 Concen: 0.24 ug/L
 RT: 4.30 min Scan# 1062
 Delta R.T. 0.00 min
 Lab File: VV006994.D
 Acq: 10 Aug 2018 20:02

Tgt Ion	Ratio	Lower	Upper
128	100		
49	139.6	138.6	257.4
130	105.1	90.0	167.2
51	44.2	46.9	70.3#





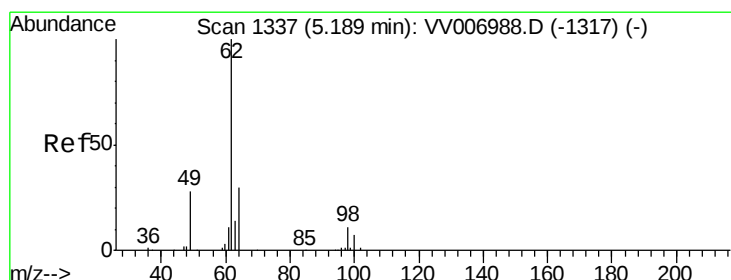
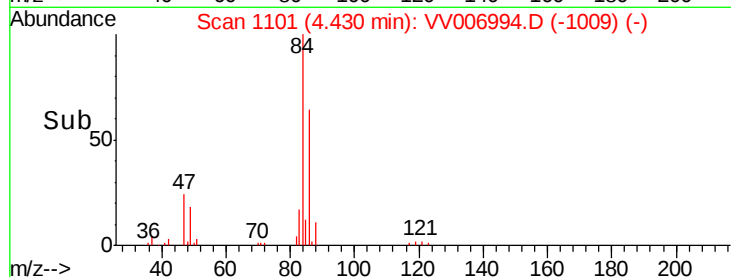
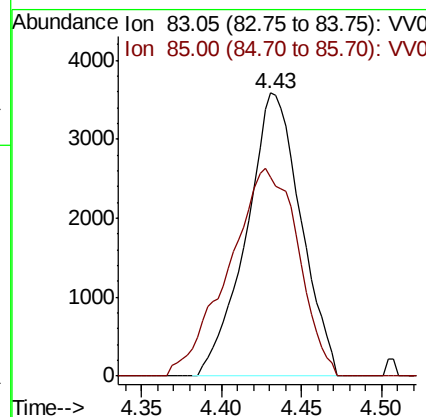
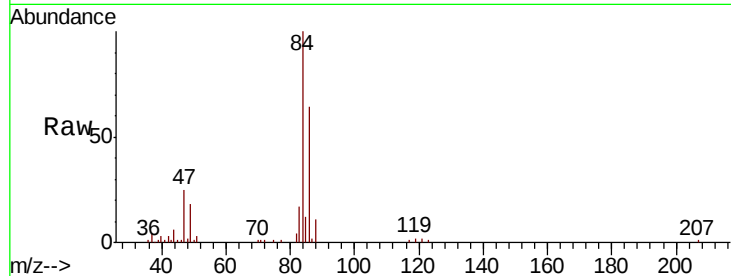
#25
Chloroform
Concen: 0.23 ug/L
RT: 4.43 min Scan# 1101
Delta R.T. -0.00 min
Lab File: VV006994.D
Acq: 10 Aug 2018 20:02

Instrument :
MSVOA_V
ClientSampleId :
MDL05

Tot Ion	83	Resp	8402
Ion Ratio	100	Lower	Upper
85	70.5	44.7	82.9

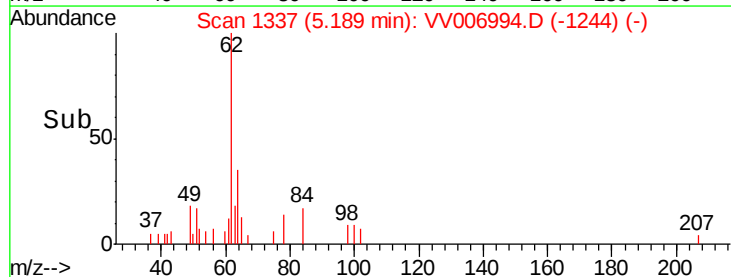
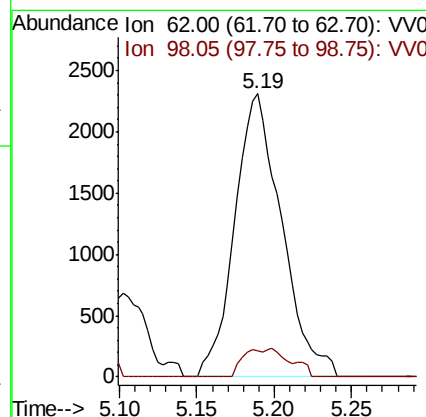
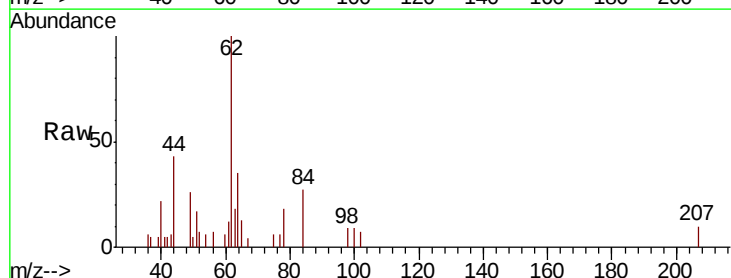
Manual Integrations
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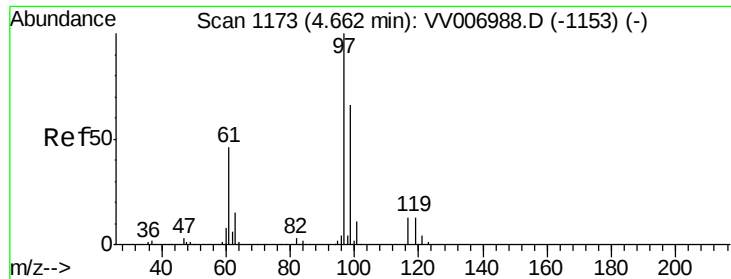
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#27
1,2-Dichloroethane
Concen: 0.21 ug/L
RT: 5.19 min Scan# 1337
Delta R.T. -0.00 min
Lab File: VV006994.D
Acq: 10 Aug 2018 20:02

Tgt Ion	62	Resp	4864
Ion Ratio	100	Lower	Upper
98	9.4	7.6	11.4





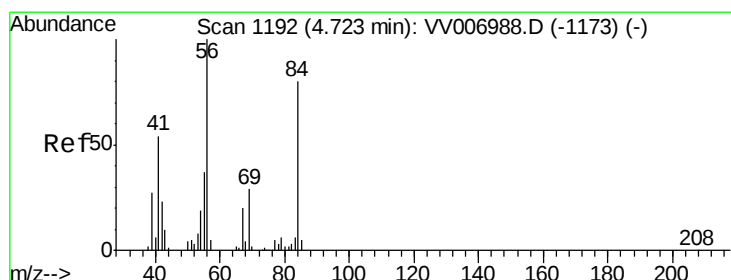
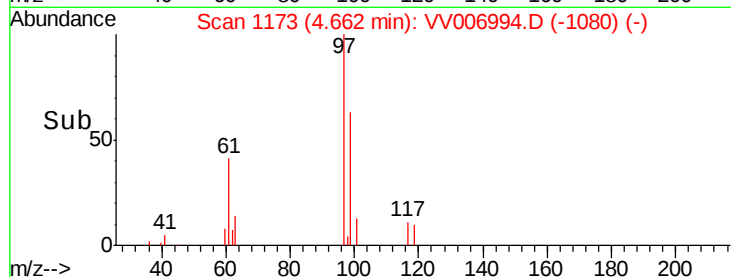
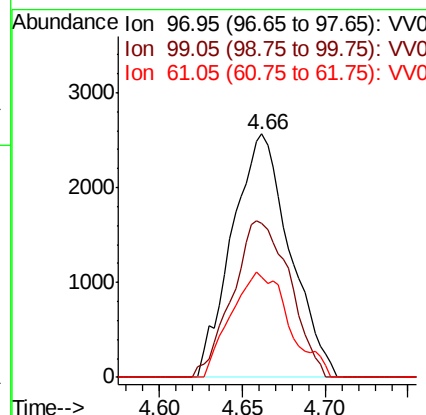
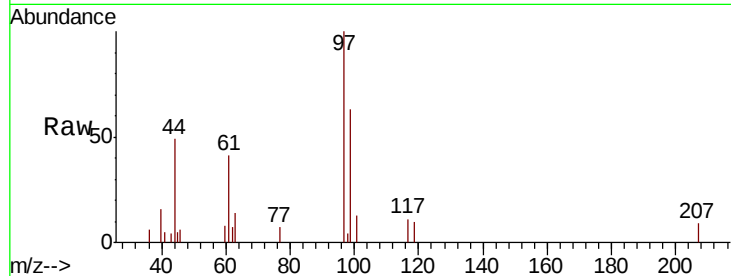
#29
 1,1,1-Trichloroethane
 Concen: 0.20 ug/L
 RT: 4.66 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VV006994.D
 Acq: 10 Aug 2018 20:02

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

Tot Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.0	76.6
61	43.6	36.6	54.8

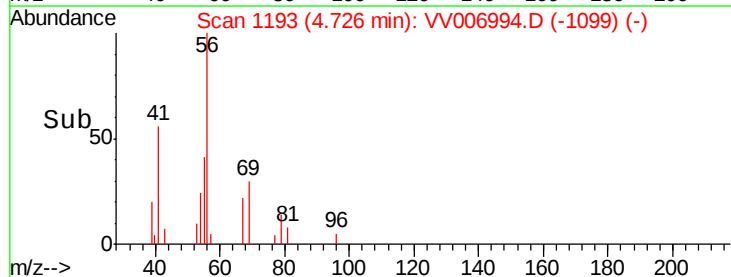
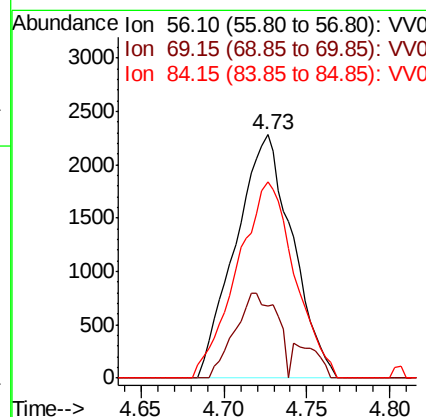
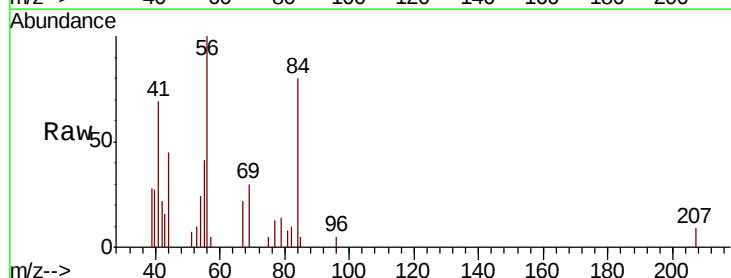
Manual Integrations
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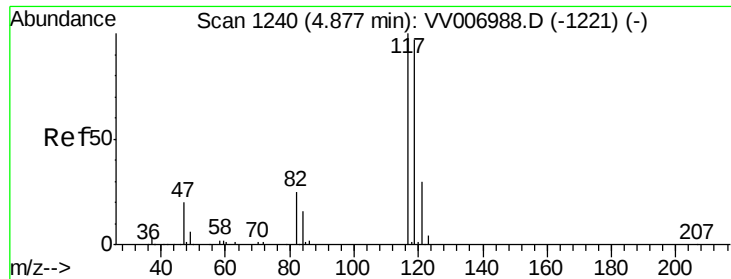
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#30
 Cyclohexane
 Concen: 0.17 ug/L
 RT: 4.73 min Scan# 1193
 Delta R.T. 0.00 min
 Lab File: VV006994.D
 Acq: 10 Aug 2018 20:02

Tgt Ion	Ratio	Lower	Upper
56	100		
69	25.8	23.8	35.6
84	81.9	67.9	101.9





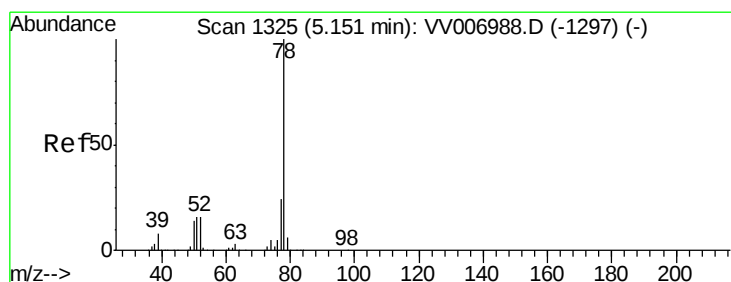
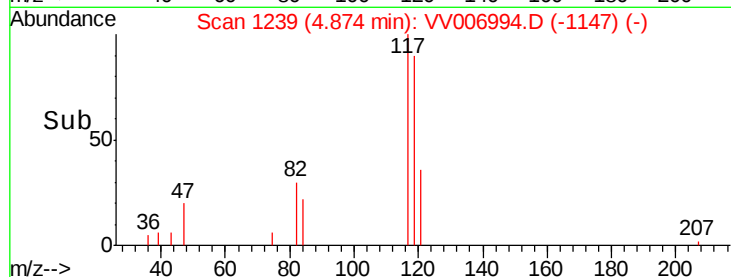
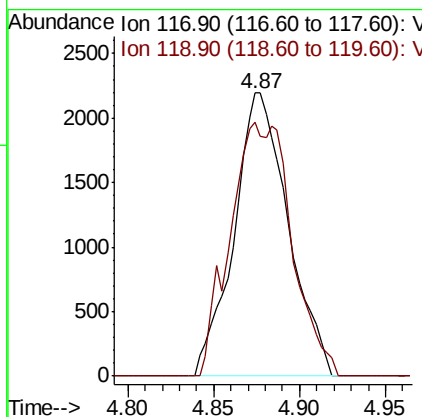
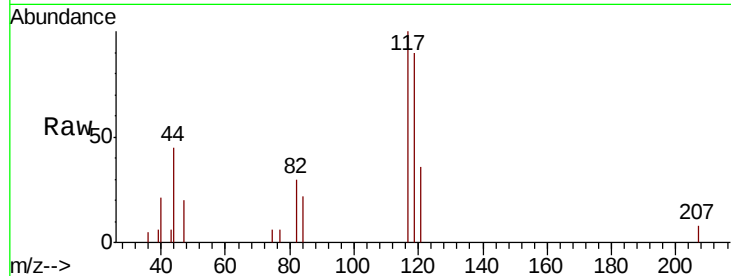
#31
Carbon tetrachloride
Concen: 0.19 ug/L
RT: 4.87 min Scan# 1239
Delta R.T. -0.00 min
Lab File: VV006994.D
Acq: 10 Aug 2018 20:02

Instrument :
MSVOA_V
ClientSampled :
MDL05

Tot Ion:117 Resp: 4805
Ion Ratio Lower Upper
117 100
119 61.0 76.2 114.4#

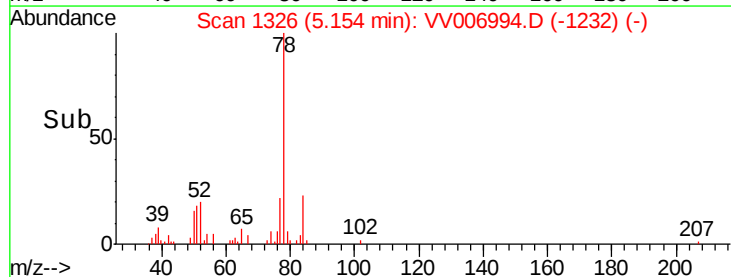
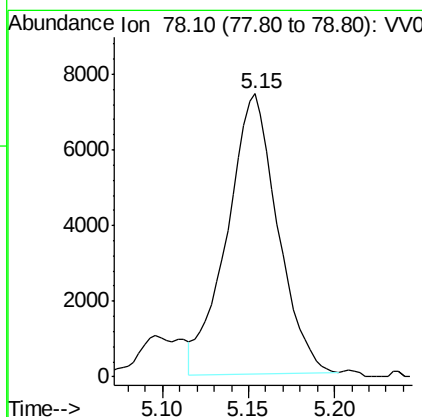
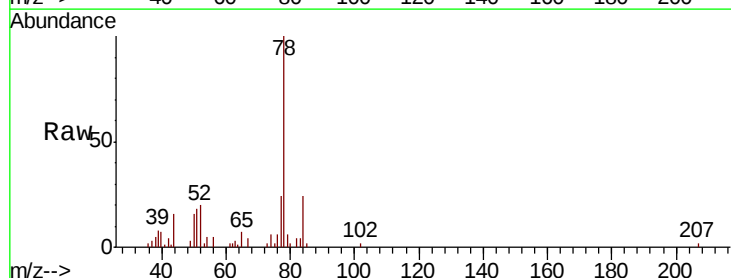
Manual Integrations
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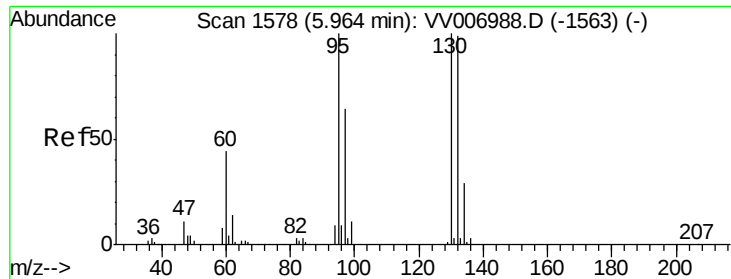
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#33
Benzene
Concen: 0.19 ug/L
RT: 5.15 min Scan# 1326
Delta R.T. 0.00 min
Lab File: VV006994.D
Acq: 10 Aug 2018 20:02

Tgt Ion: 78 Resp: 15109





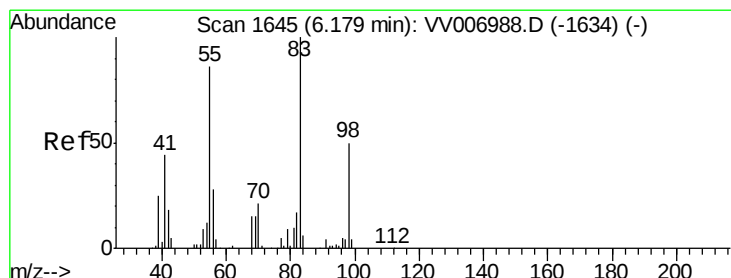
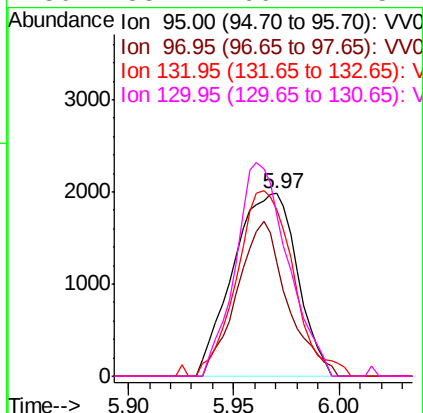
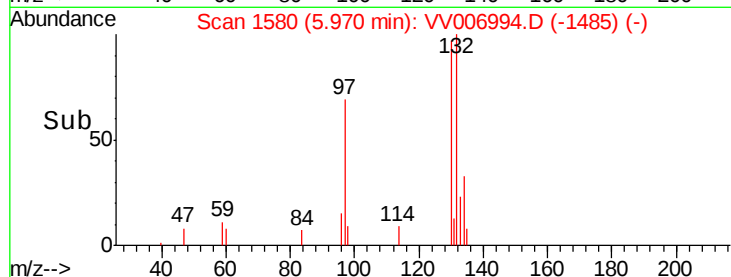
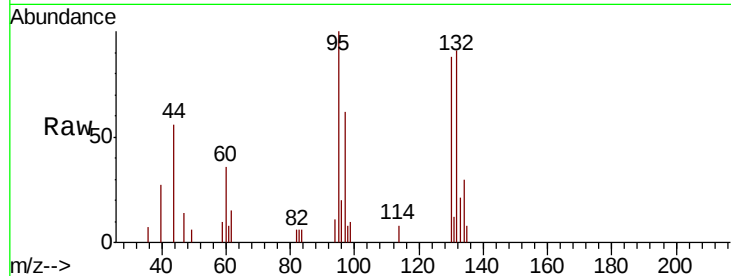
#34
 Trichloroethene
 Concen: 0.22 ug/L
 RT: 5.97 min Scan# 1580
 Delta R.T. 0.01 min
 Lab File: VV006994.D
 Acq: 10 Aug 2018 20:02

Instrument :
 MSVOA_V
 ClientSampled :
 MDL05

Tot Ion:	95	Resp:	4177
Ion	Ratio	Lower	Upper
95	100		
97	62.5	44.8	83.2
132	90.6	65.5	121.6
130	88.4	66.4	123.4

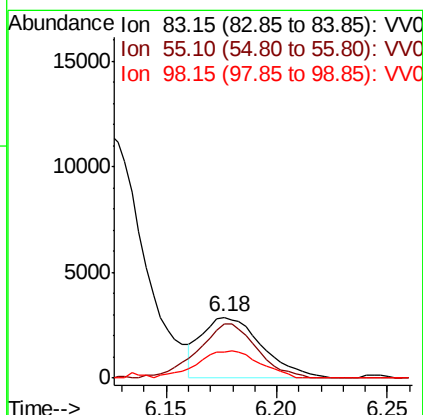
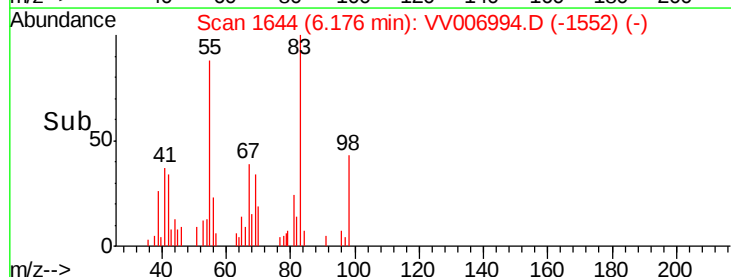
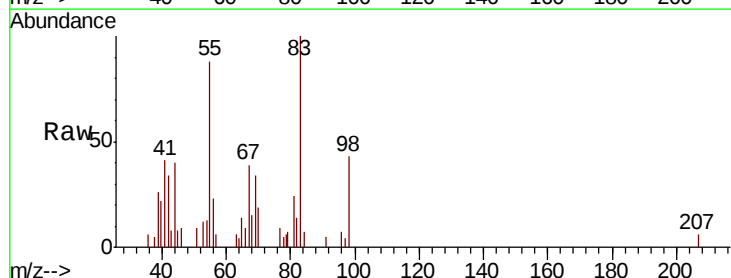
Manual Integrations
 APPROVED

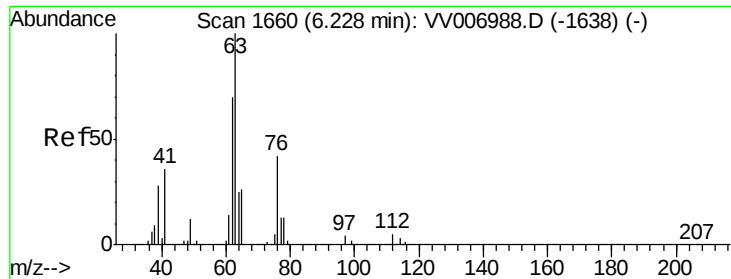
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 8/13/2018 5:35:20 PM



#35
 Methylcyclohexane
 Concen: 0.18 ug/L
 RT: 6.18 min Scan# 1644
 Delta R.T. -0.00 min
 Lab File: VV006994.D
 Acq: 10 Aug 2018 20:02

Tgt Ion:	83	Resp:	5464
Ion	Ratio	Lower	Upper
83	100		
55	87.7	68.1	102.1
98	47.3	37.9	56.9





#37

1,2-Dichloropropane

Concen: 0.21 ug/L

RT: 6.23 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VV006994.D

Acq: 10 Aug 2018 20:02

Instrument :

MSVOA_V

ClientSampled :

MDL05

Tot Ion: 63 Resp: 4562

Ion Ratio Lower Upper

63 100

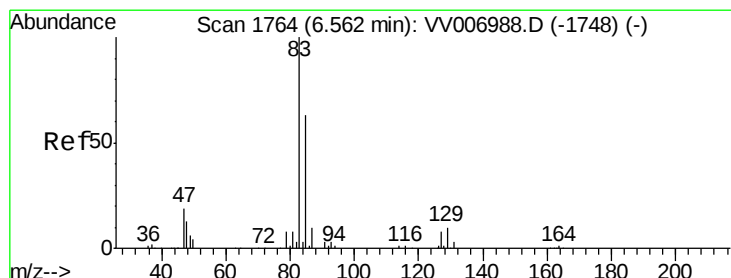
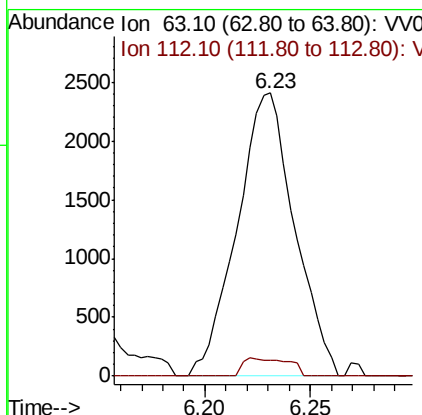
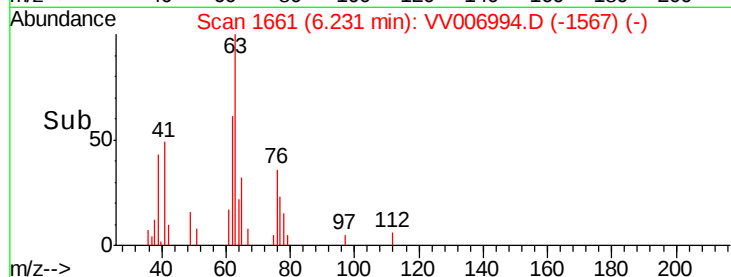
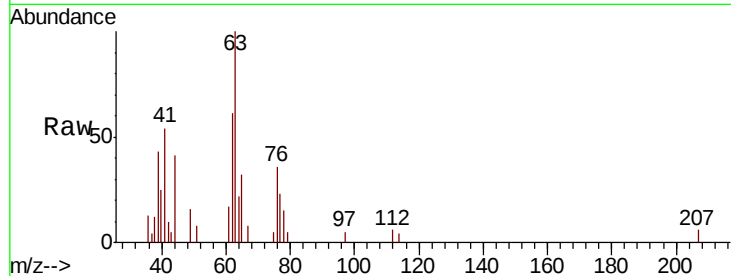
112 5.0 3.5 5.3

Manual Integrations

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#38

Bromodichloromethane

Concen: 0.20 ug/L

RT: 6.56 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VV006994.D

Acq: 10 Aug 2018 20:02

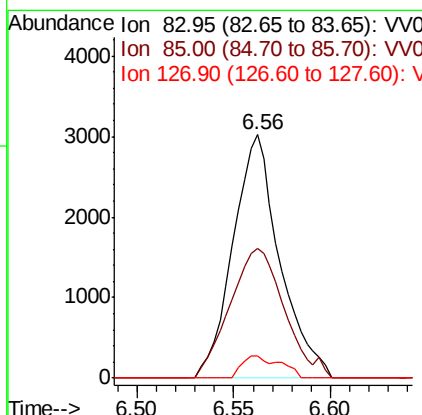
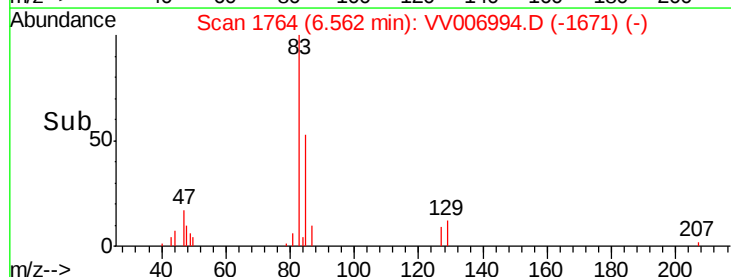
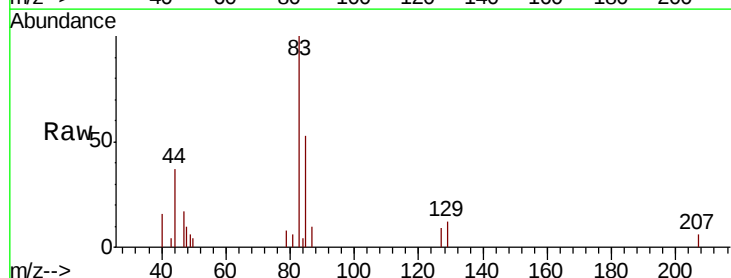
Tgt Ion: 83 Resp: 5076

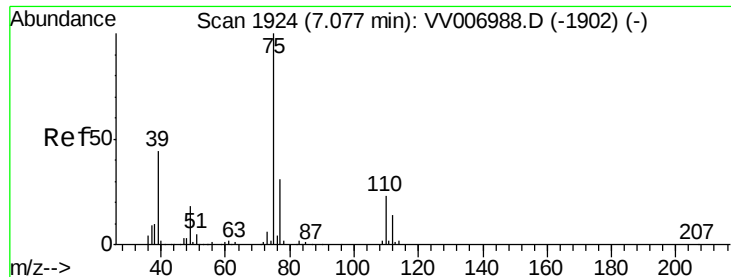
Ion Ratio Lower Upper

83 100

85 53.4 43.8 81.4

127 9.3 6.6 10.0





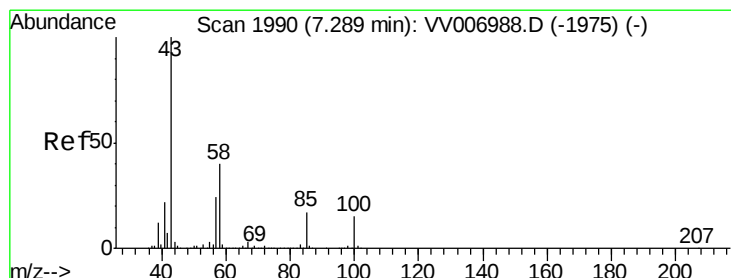
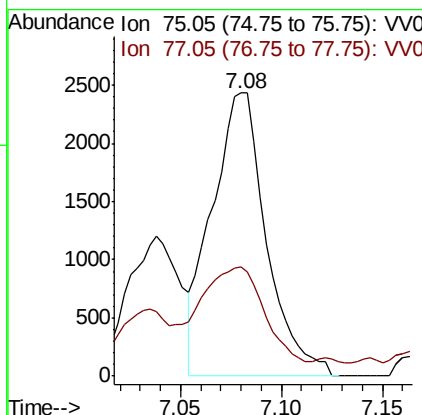
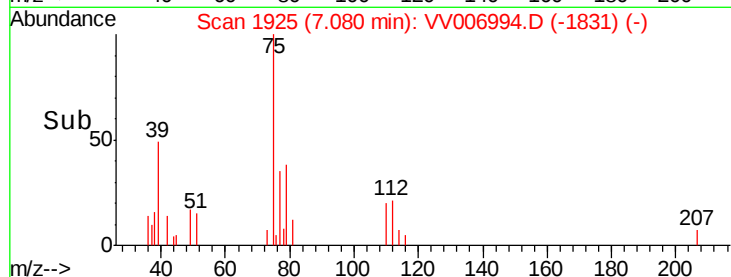
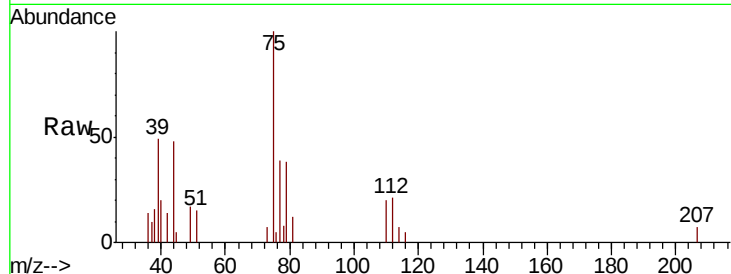
#39
 cis-1,3-Dichloropropene
 Concen: 0.17 ug/L
 RT: 7.08 min Scan# 1925
 Delta R.T. 0.00 min
 Lab File: VV006994.D
 Acq: 10 Aug 2018 20:02

Instrument :
 MSVOA_V
 ClientSampled :
 MDL05

Tot Ion: 75 Resp: 4587
 Ion Ratio Lower Upper
 75 100
 77 38.8 22.0 40.8

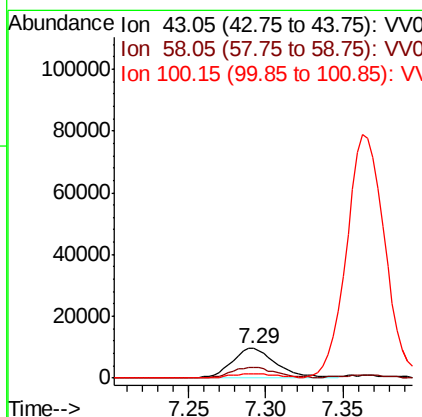
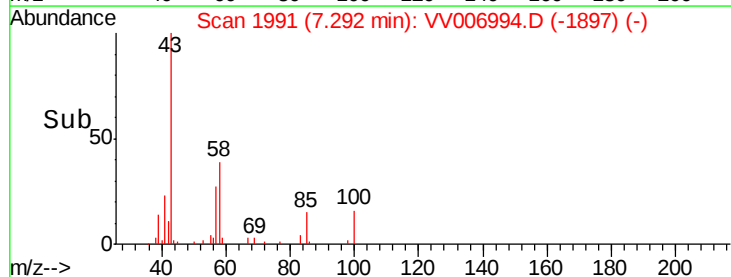
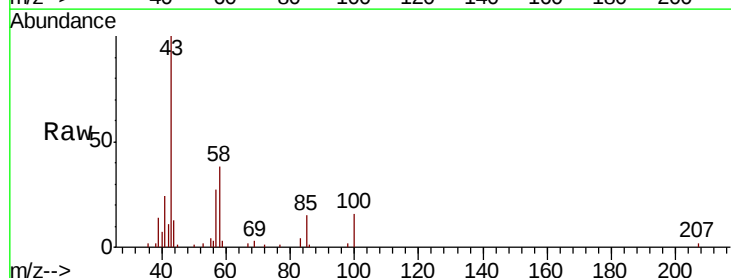
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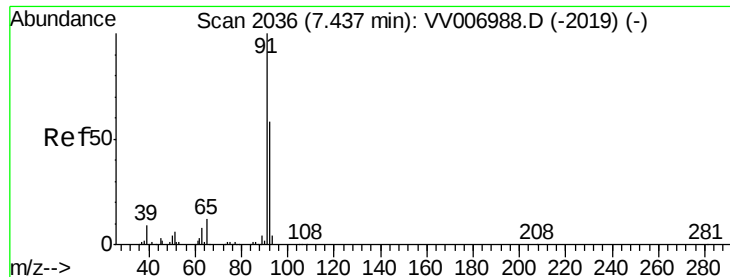
apatel
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#40
 4-Methyl-2-pentanone
 Concen: 1.63 ug/L
 RT: 7.29 min Scan# 1991
 Delta R.T. 0.00 min
 Lab File: VV006994.D
 Acq: 10 Aug 2018 20:02

Tgt Ion: 43 Resp: 19341
 Ion Ratio Lower Upper
 43 100
 58 36.3 30.7 46.1
 100 0.0 11.2 16.8#





#42

Toluene

Concen: 0.20 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VV006994.D

Acq: 10 Aug 2018 20:02

Instrument :

MSVOA_V

ClientSampled :

MDL05

Tot Ion: 91 Resp: 15420

Ion Ratio Lower Upper

91 100

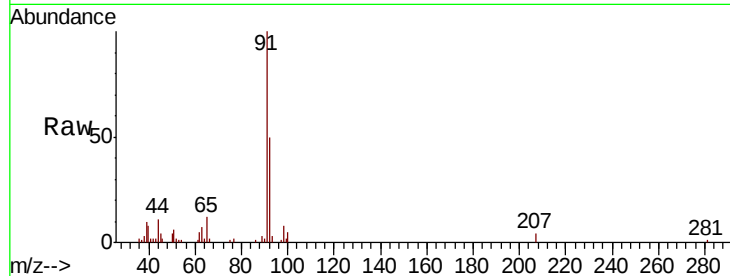
92 50.5 40.2 74.6

Manual Integrations

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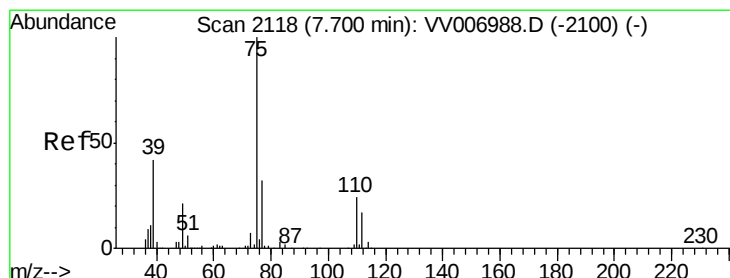
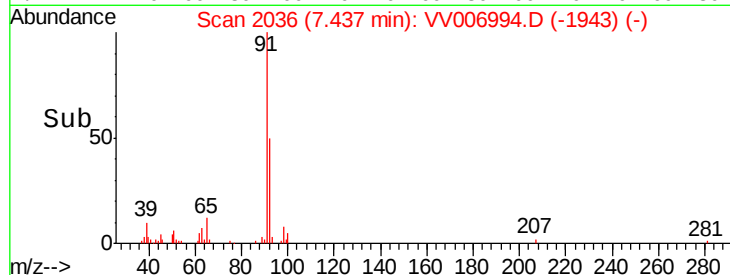
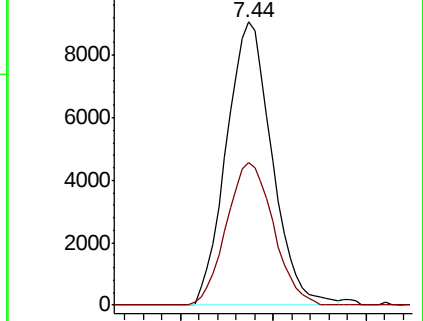
apatel

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Abundance Ion 91.15 (90.85 to 91.85): VV006988.D (-2019) (-)

Ion 92.15 (91.85 to 92.85): VV006994.D (-1943) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.19 ug/L

RT: 7.70 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VV006994.D

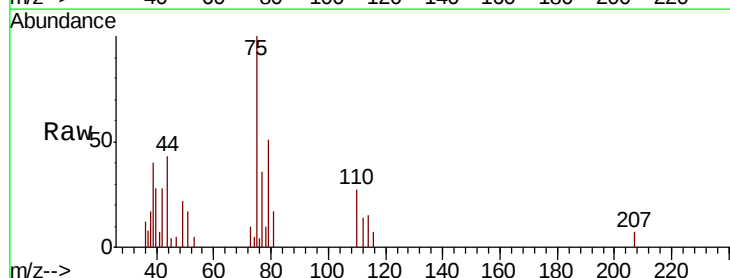
Acq: 10 Aug 2018 20:02

Tgt Ion: 75 Resp: 4238

Ion Ratio Lower Upper

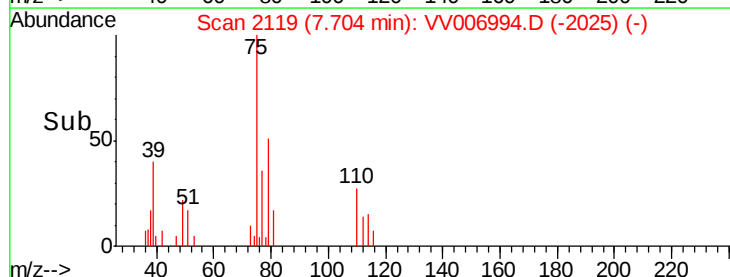
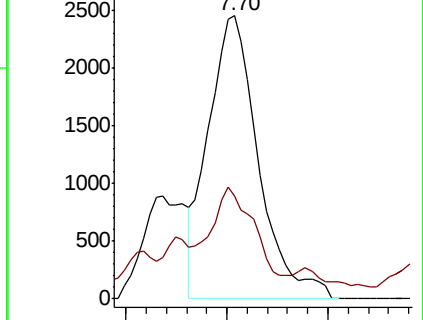
75 100

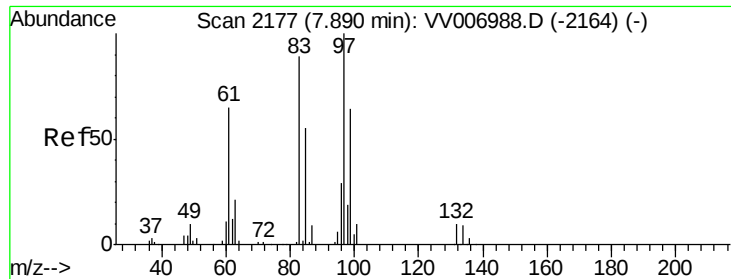
77 36.2 22.3 41.3



Abundance Ion 75.05 (74.75 to 75.75): VV006988.D (-2100) (-)

Ion 77.05 (76.75 to 77.75): VV006994.D (-2025) (-)





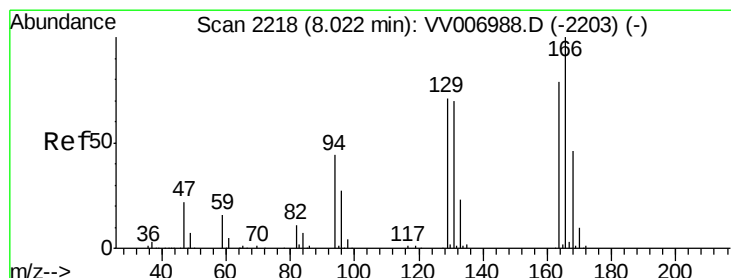
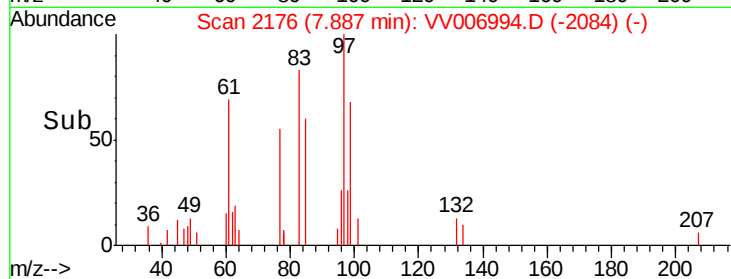
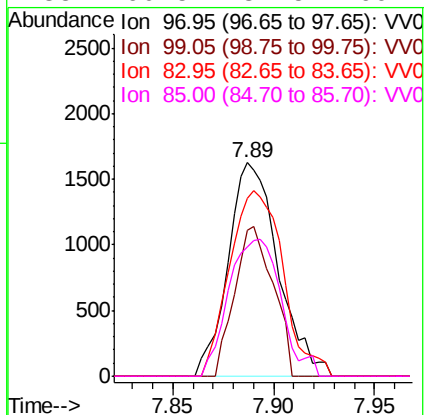
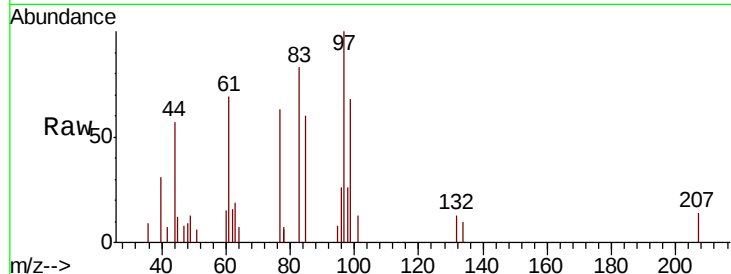
#45
1,1,2-Trichloroethane
Concen: 0.20 ug/L
RT: 7.89 min Scan# 2176
Delta R.T. -0.00 min
Lab File: VV006994.D
Acq: 10 Aug 2018 20:02

Instrument :
MSVOA_V
ClientSampled :
MDL05

Tot Ion:	97	Resp:	2819
Ion	Ratio	Lower	Upper
97	100		
99	68.2	40.6	75.4
83	83.3	58.0	107.8
85	60.5	37.5	69.7

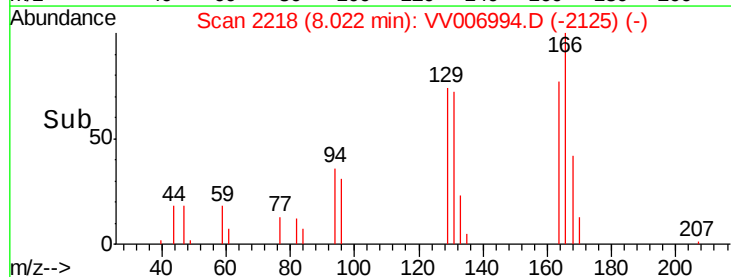
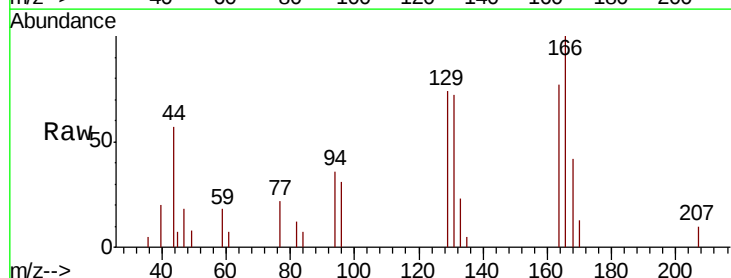
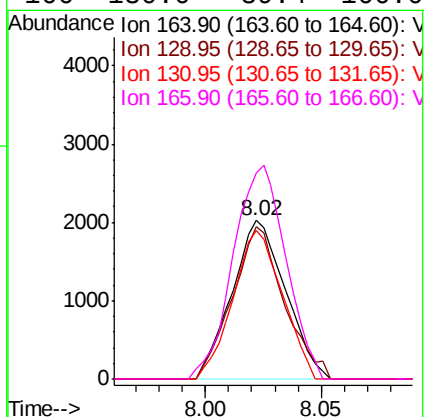
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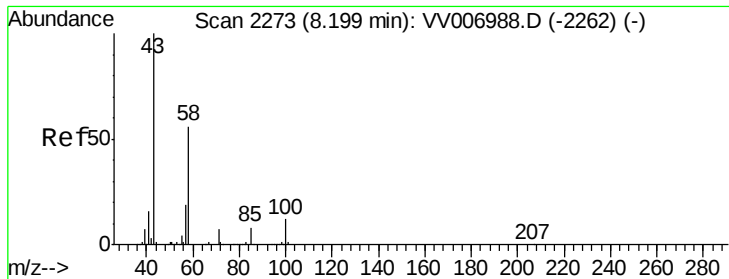
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#47
Tetrachloroethene
Concen: 0.21 ug/L
RT: 8.02 min Scan# 2218
Delta R.T. -0.00 min
Lab File: VV006994.D
Acq: 10 Aug 2018 20:02

Tgt Ion:	164	Resp:	3252
Ion	Ratio	Lower	Upper
164	100		
129	96.0	65.9	122.3
131	93.7	64.2	119.2
166	130.0	89.4	166.0





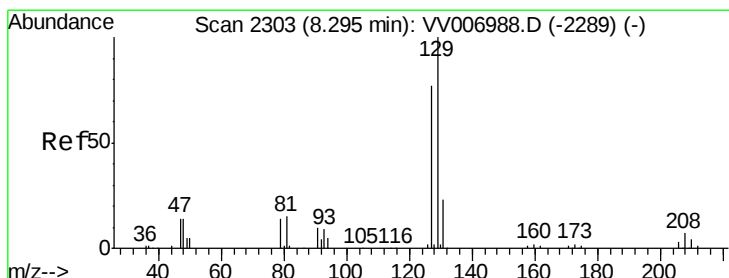
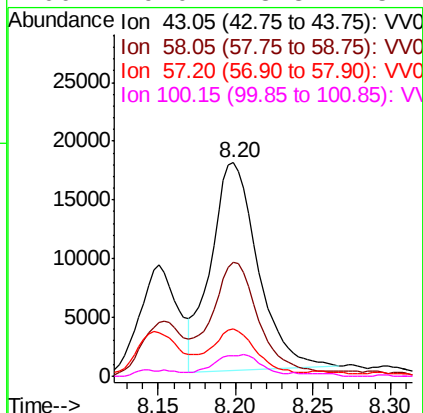
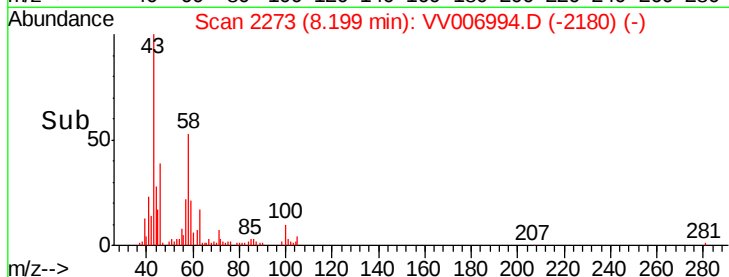
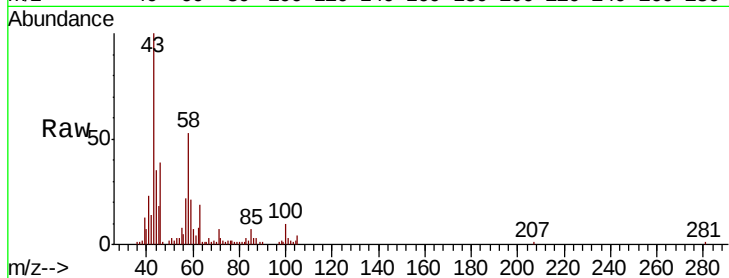
#48
2-Hexanone
Concen: 4.46 ug/L
RT: 8.20 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VV006994.D
Acq: 10 Aug 2018 20:02

Instrument :
MSVOA_V
ClientSampled :
MDL05

Tot Ion:	43	Resp:	37302
Ion Ratio	Lower	Upper	
43	100		
58	51.3	44.2	66.2
57	21.7	14.8	22.2
100	9.0	8.8	13.2

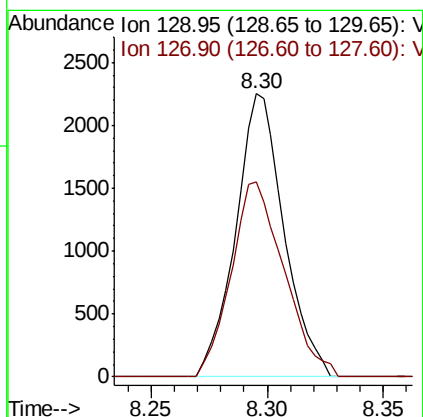
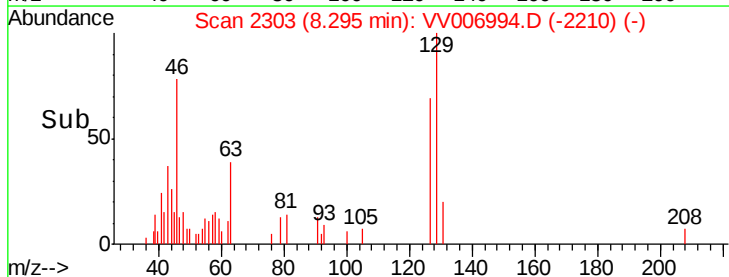
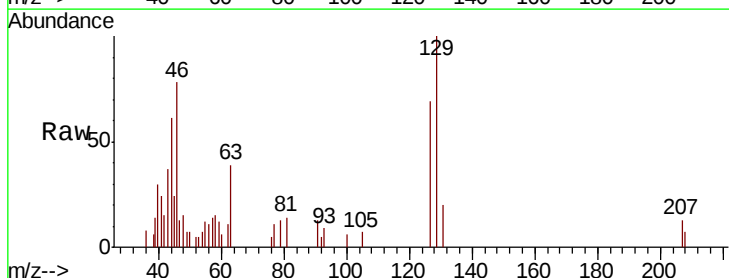
Manual Integrations
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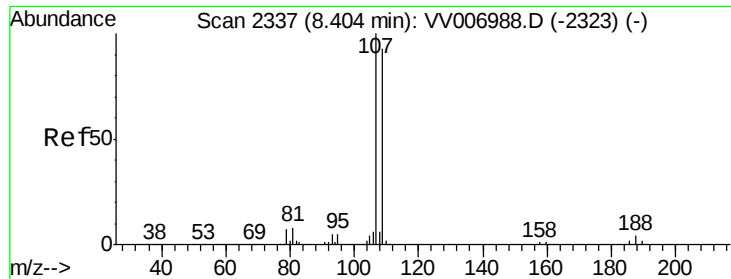
apatel
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#49
Dibromochloromethane
Concen: 0.22 ug/L
RT: 8.30 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VV006994.D
Acq: 10 Aug 2018 20:02

Tgt Ion:	129	Resp:	3261
Ion Ratio	Lower	Upper	
129	100		
127	68.7	53.3	98.9





#50

1,2-Dibromoethane

Concen: 0.21 ug/L

RT: 8.41 min Scan# 2338

Delta R.T. 0.00 min

Lab File: VV006994.D

Acq: 10 Aug 2018 20:02

Instrument :

MSVOA_V

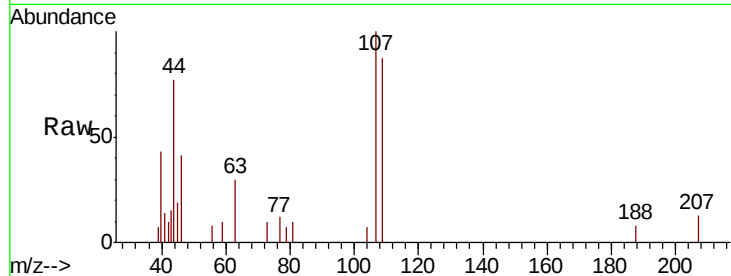
ClientSampleId :

MDL05

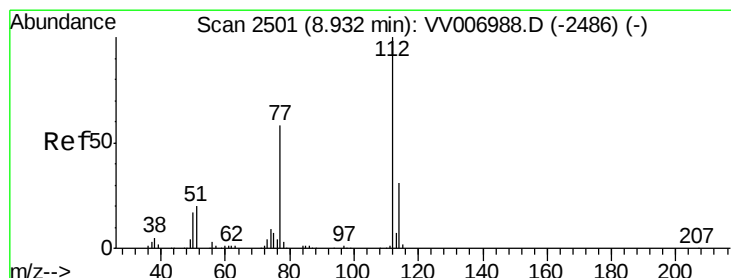
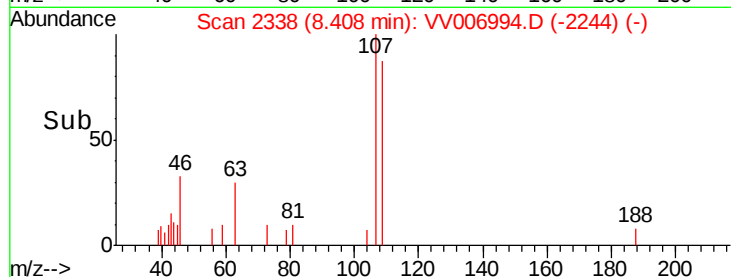
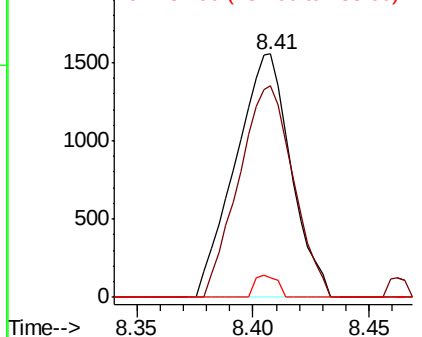
Tot Ion:	107	Resp:	2591
Ion Ratio	Lower	Upper	
107	100		
109	86.9	64.1	119.1
188	8.2	4.0	6.0#

Manual Integrations
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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: 0.20 ug/L

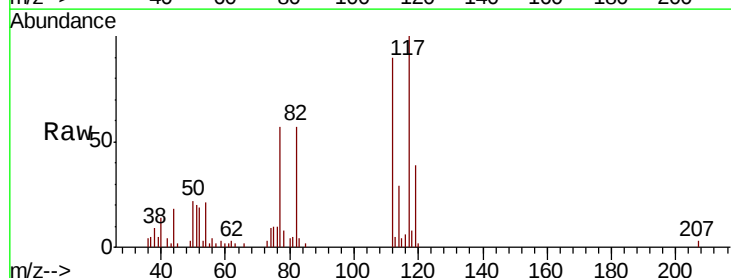
RT: 8.93 min Scan# 2501

Delta R.T. 0.00 min

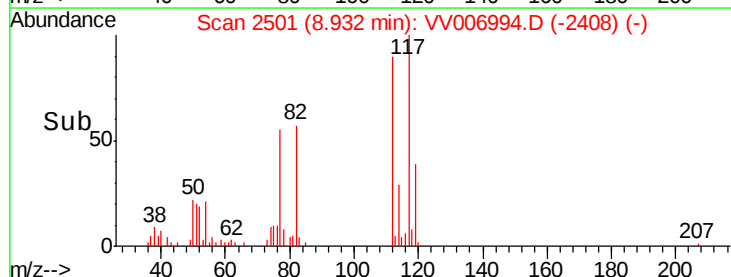
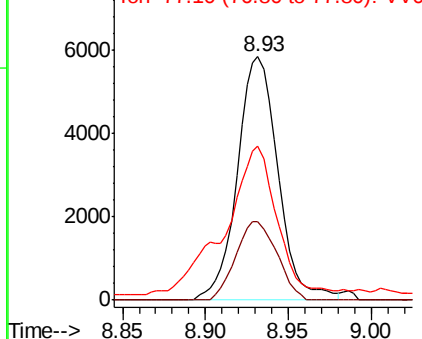
Lab File: VV006994.D

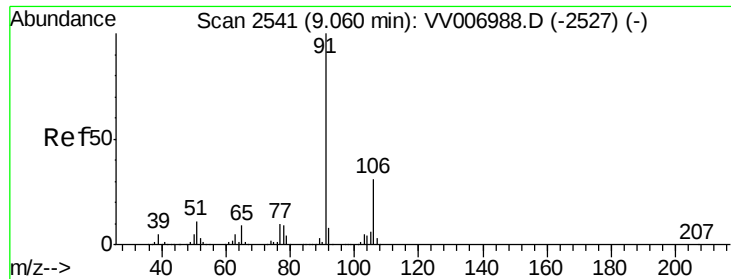
Acq: 10 Aug 2018 20:02

Tgt Ion:	112	Resp:	9970
Ion Ratio	Lower	Upper	
112	100		
114	32.1	21.8	40.6
77	63.2	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: VV006994.D

Acq: 10 Aug 2018 20:02

Instrument :

MSVOA_V

ClientSampled :

MDL05

Tot Ion: 91 Resp: 13949

Ion Ratio Lower Upper

91 100

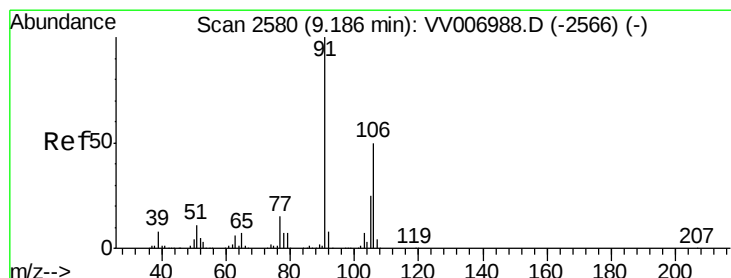
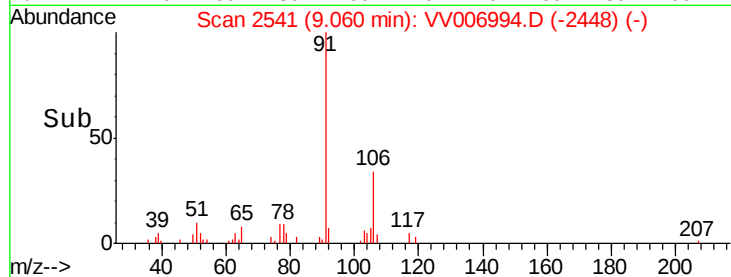
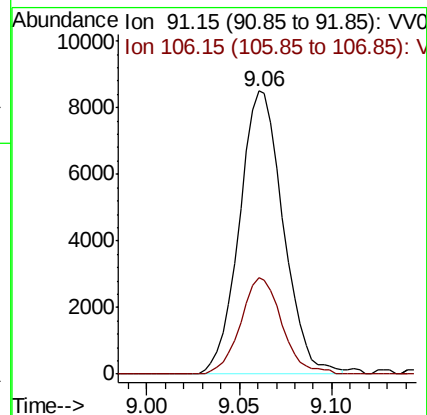
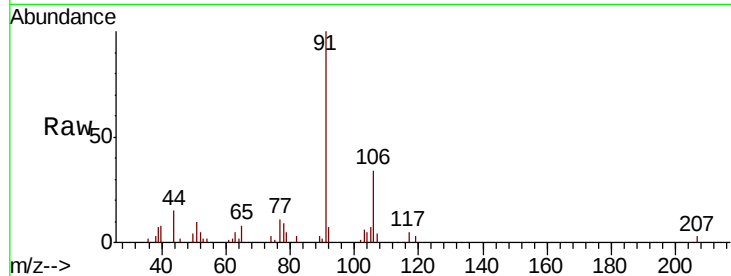
106 34.3 21.3 39.5

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#53

m,p-xylene

Concen: 0.17 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. 0.00 min

Lab File: VV006994.D

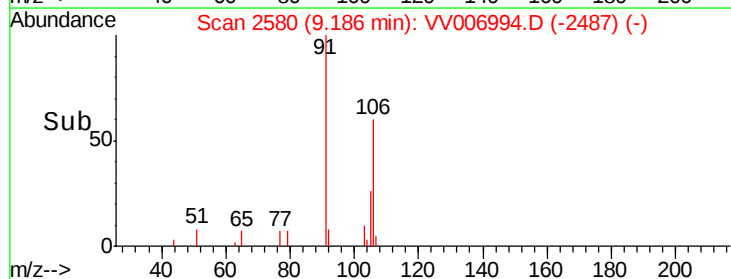
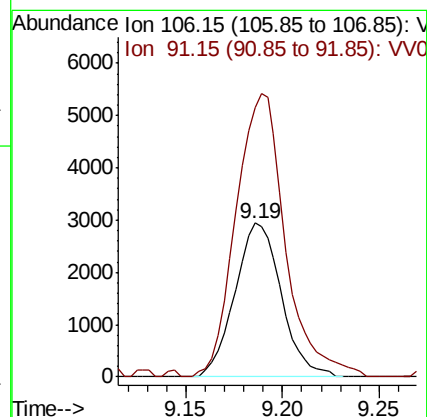
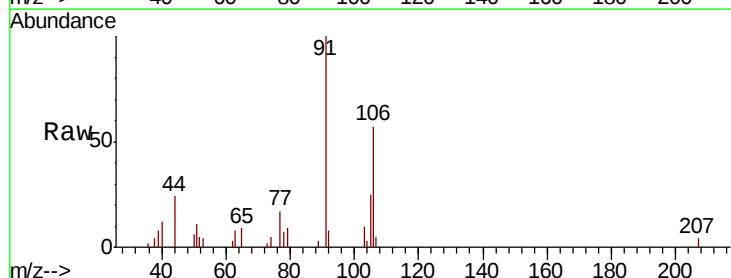
Acq: 10 Aug 2018 20:02

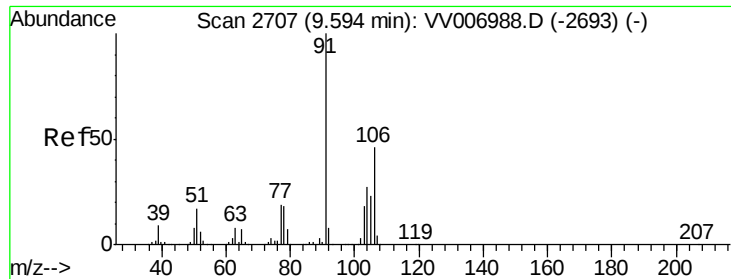
Tgt Ion: 106 Resp: 4900

Ion Ratio Lower Upper

106 100

91 175.3 141.6 263.0





#54

o-xylene

Concen: 0.18 ug/L

RT: 9.59 min Scan# 2707

Delta R.T. 0.00 min

Lab File: VV006994.D

Acq: 10 Aug 2018 20:02

Instrument :

MSVOA_V

ClientSampled :

MDL05

Tot Ion:106 Resp: 4807

Ion Ratio Lower Upper

106 100

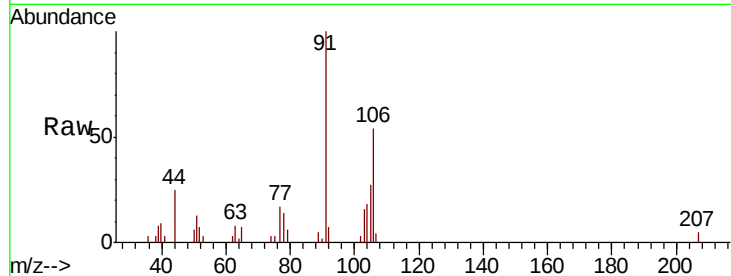
91 174.2 149.8 278.2

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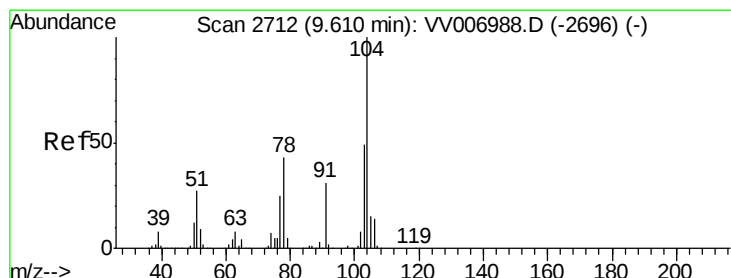
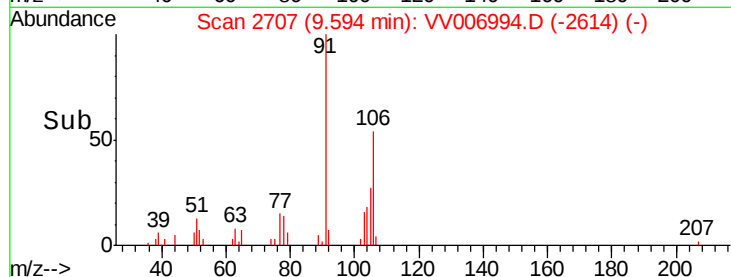
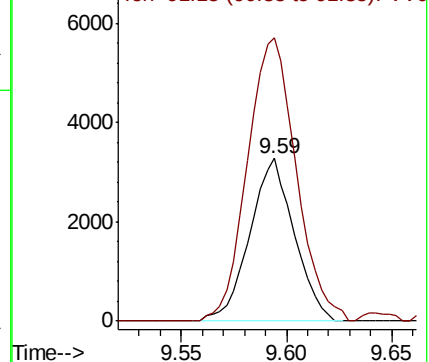
apatel

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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: VV006994.D

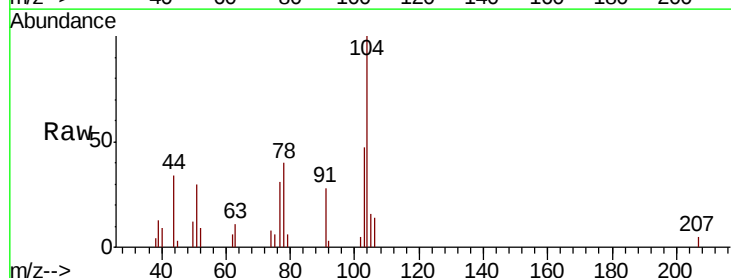
Acq: 10 Aug 2018 20:02

Tgt Ion:104 Resp: 6644

Ion Ratio Lower Upper

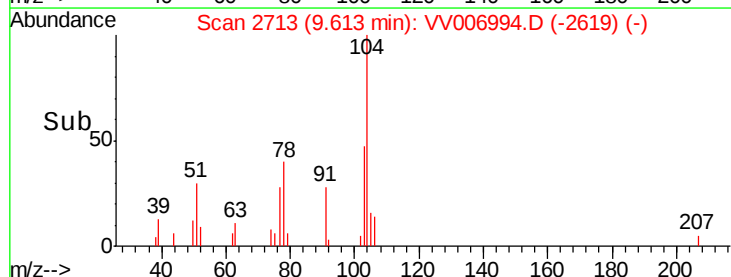
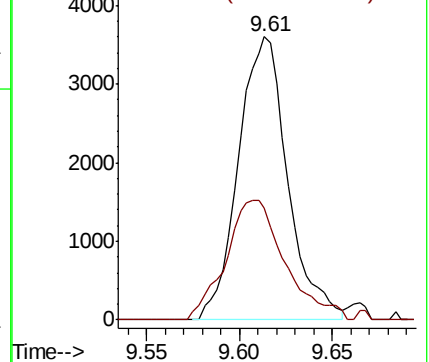
104 100

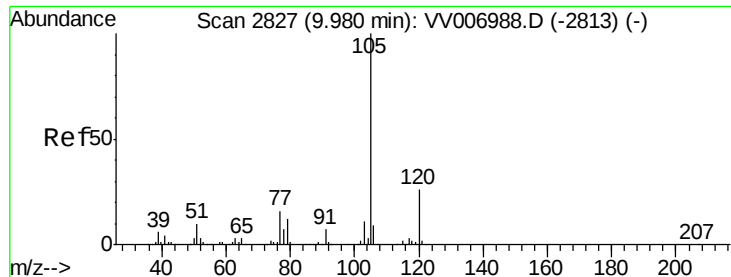
78 39.5 30.4 56.5



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 0.15 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. 0.00 min

Lab File: VV006994.D

Acq: 10 Aug 2018 20:02

Instrument :

MSVOA_V

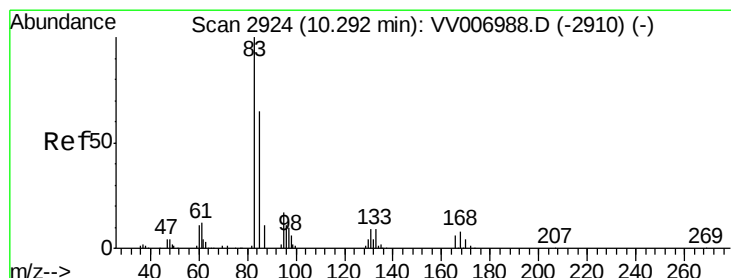
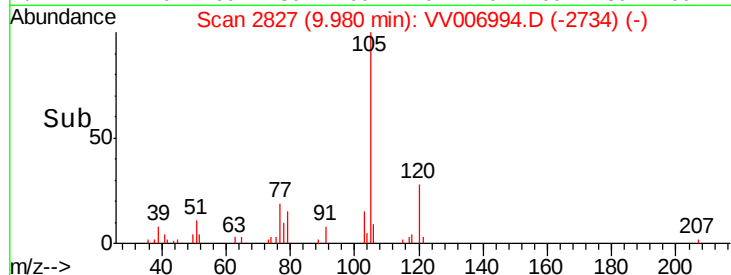
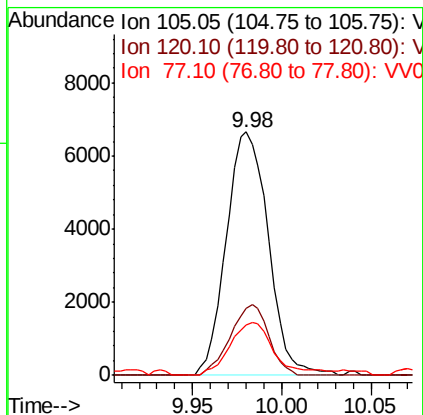
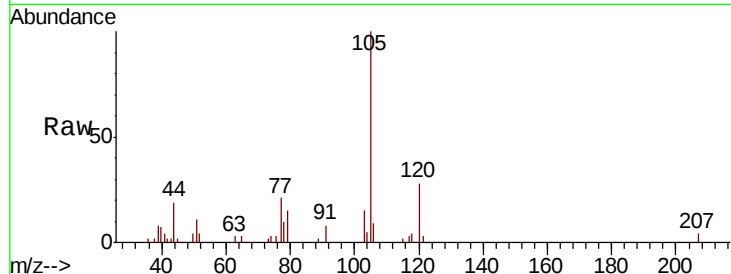
ClientSampled :

MDL05

Tot Ion:	105	Resp:	10927
Ion Ratio	Lower	Upper	
105	100		
120	26.5	21.1	31.7
77	22.9	13.0	19.4#

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#58

1,1,2,2-Tetrachloroethane

Concen: 0.21 ug/L

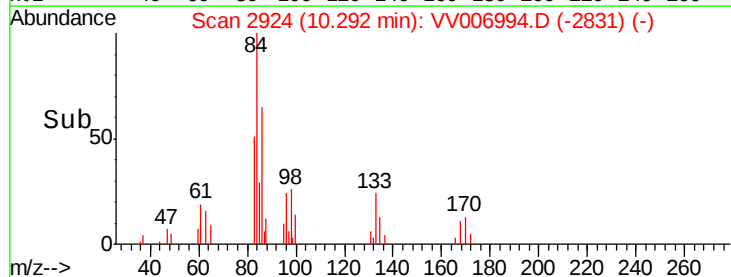
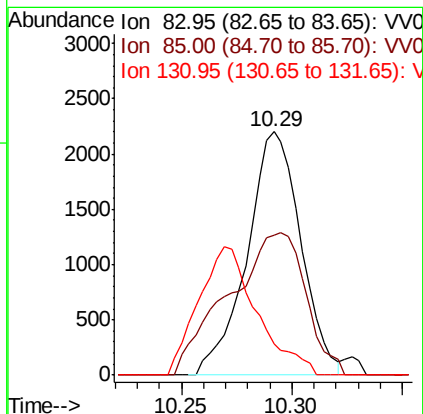
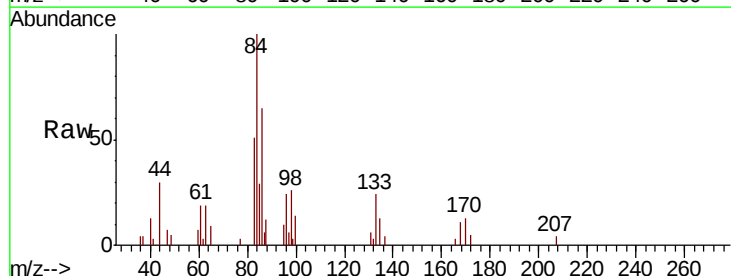
RT: 10.29 min Scan# 2924

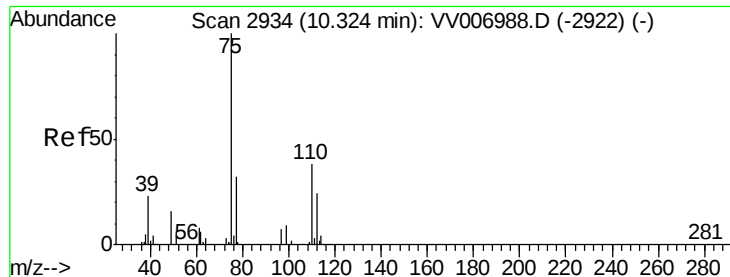
Delta R.T. 0.00 min

Lab File: VV006994.D

Acq: 10 Aug 2018 20:02

Tgt Ion:	83	Resp:	3718
Ion Ratio	Lower	Upper	
83	100		
85	57.5	43.0	79.8
131	12.6	7.4	11.2#





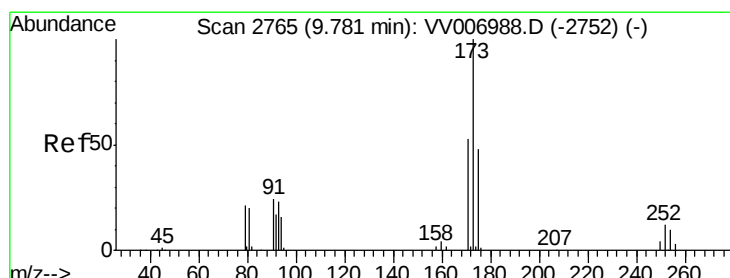
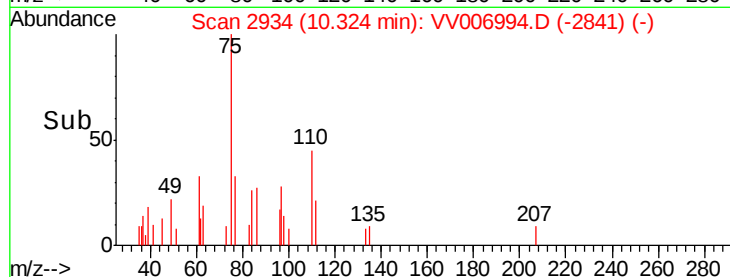
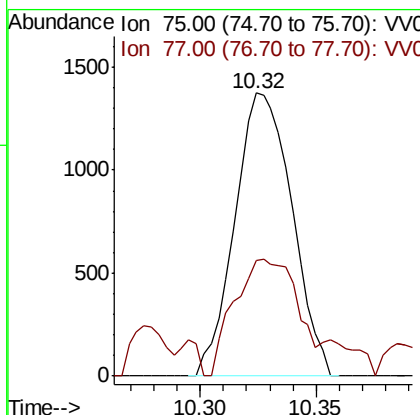
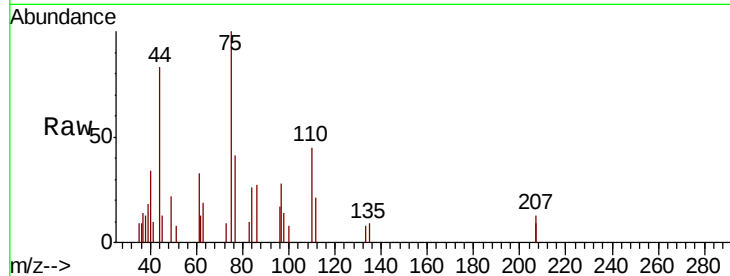
#59
 1,2,3-Trichloropropane
 Concen: 0.19 ug/L
 RT: 10.32 min Scan# 2934
 Delta R.T. 0.00 min
 Lab File: VV006994.D
 Acq: 10 Aug 2018 20:02

Instrument :
 MSVOA_V
 ClientSampled :
 MDL05

Tot Ion: 75 Resp: 2351
 Ion Ratio Lower Upper
 75 100
 77 47.0 25.4 38.0#

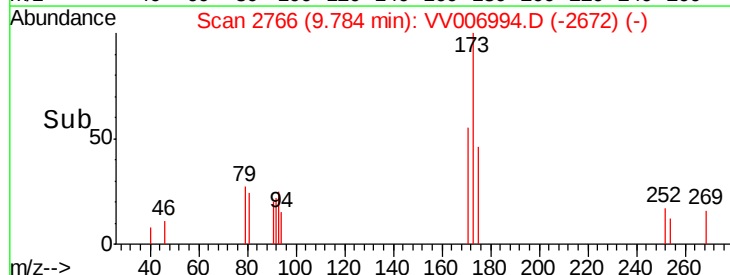
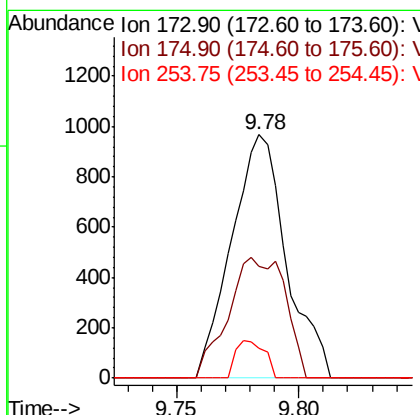
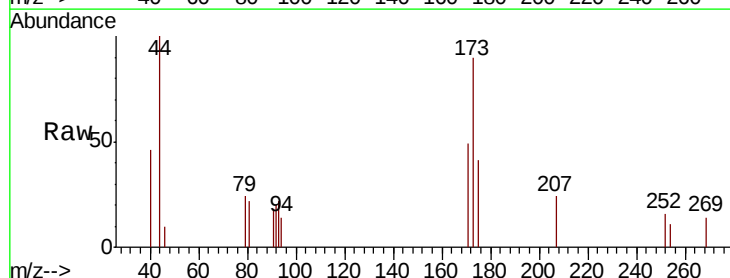
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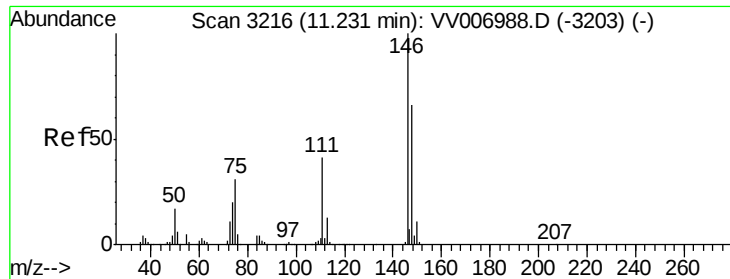
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#61
 Bromoform
 Concen: 0.21 ug/L
 RT: 9.78 min Scan# 2766
 Delta R.T. 0.00 min
 Lab File: VV006994.D
 Acq: 10 Aug 2018 20:02

Tgt Ion: 173 Resp: 1505
 Ion Ratio Lower Upper
 173 100
 175 51.7 39.3 58.9
 254 8.0 8.3 12.5#





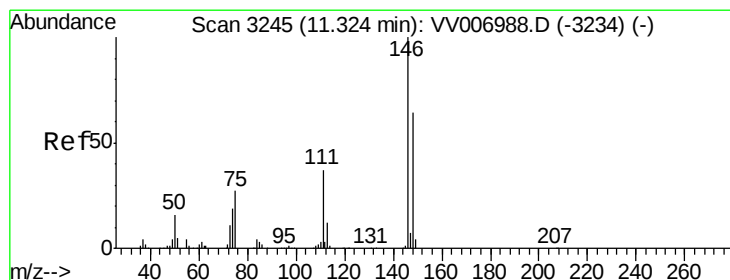
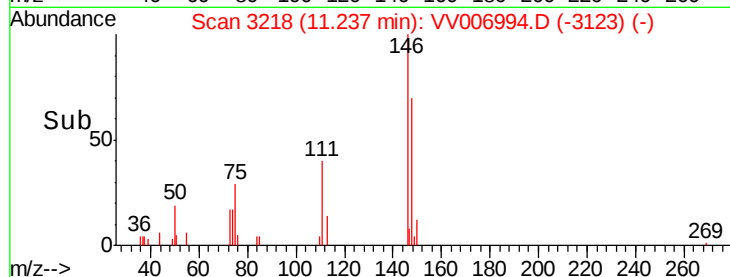
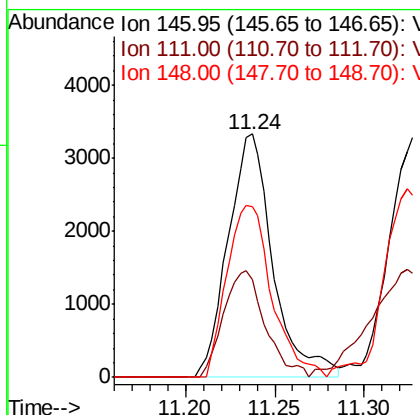
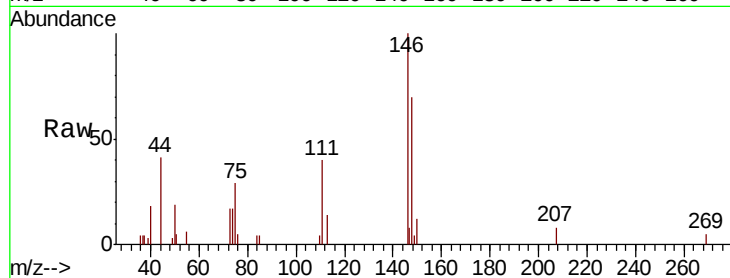
#62
 1,3-Dichlorobenzene
 Concen: 0.19 ug/L
 RT: 11.24 min Scan# 3218
 Delta R.T. 0.01 min
 Lab File: VV006994.D
 Acq: 10 Aug 2018 20:02

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	28.1	52.3
148	70.1	44.2	82.2

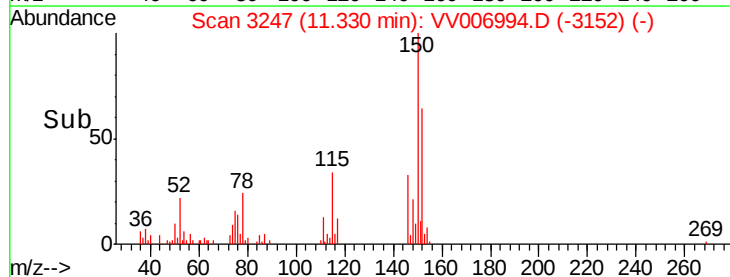
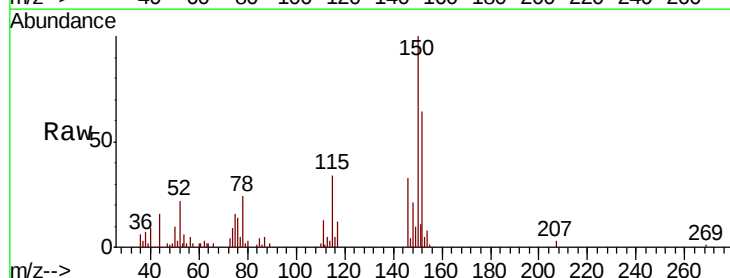
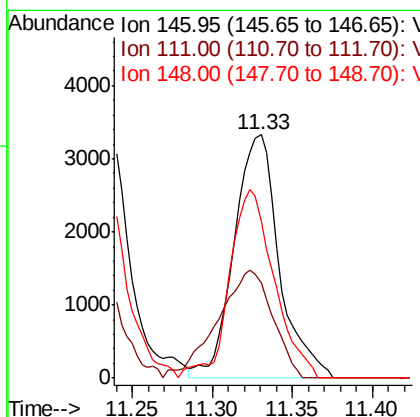
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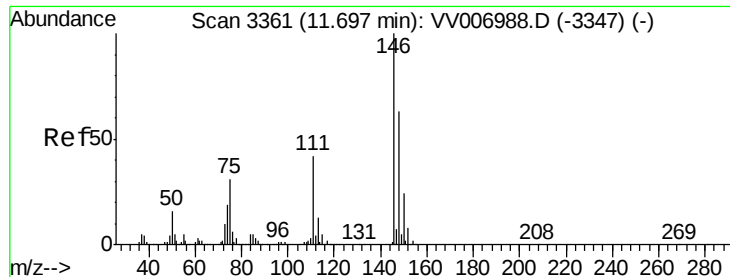
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#63
 1,4-Dichlorobenzene
 Concen: 0.21 ug/L
 RT: 11.33 min Scan# 3247
 Delta R.T. 0.01 min
 Lab File: VV006994.D
 Acq: 10 Aug 2018 20:02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.1	26.6	49.4
148	64.3	46.4	86.2





#65

1,2-Dichlorobenzene

Concen: 0.20 ug/L

RT: 11.70 min Scan# 3361

Delta R.T. 0.00 min

Lab File: VV006994.D

Acq: 10 Aug 2018 20:02

Instrument :

MSVOA_V

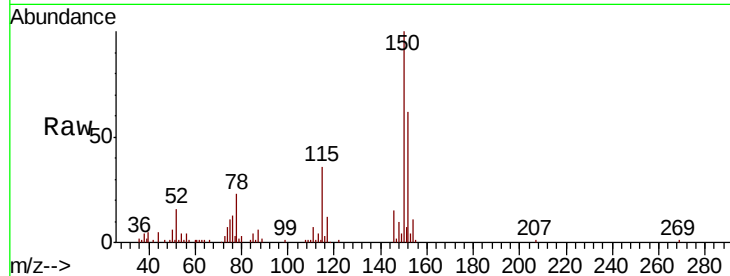
ClientSampleId :

MDL05

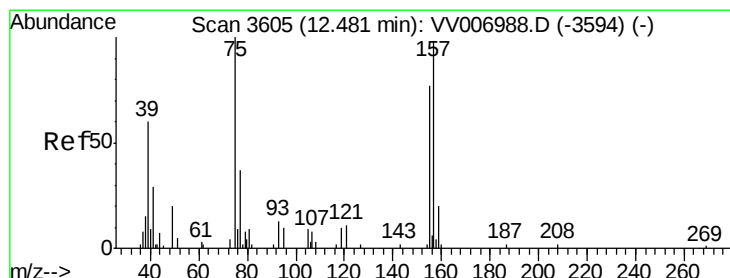
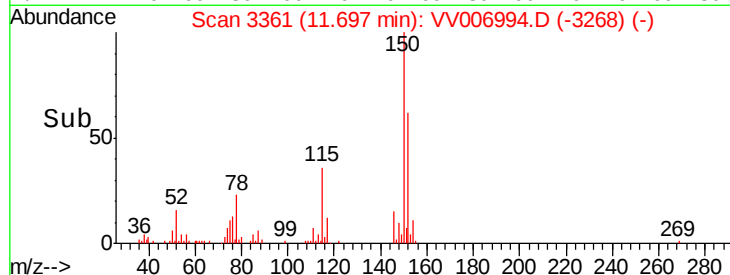
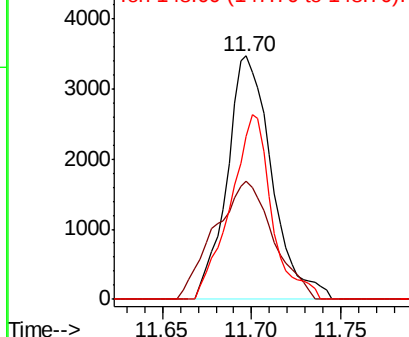
Tot Ion:	146	Resp:	6054
Ion Ratio	Lower	Upper	
146	100		
111	48.4	33.0	49.6
148	67.0	50.6	75.8

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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: 0.22 ug/L

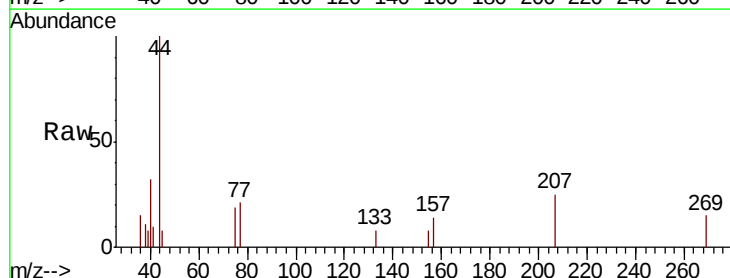
RT: 12.49 min Scan# 3607

Delta R.T. 0.01 min

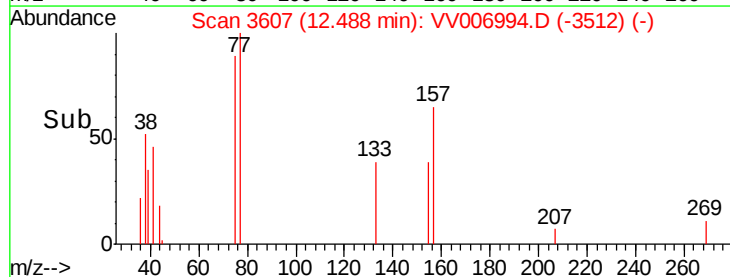
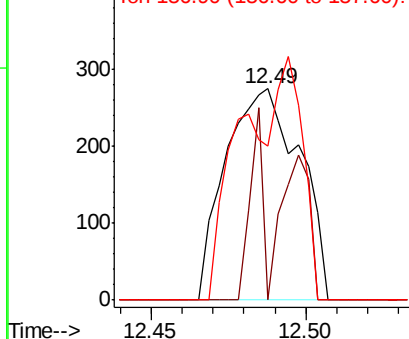
Lab File: VV006994.D

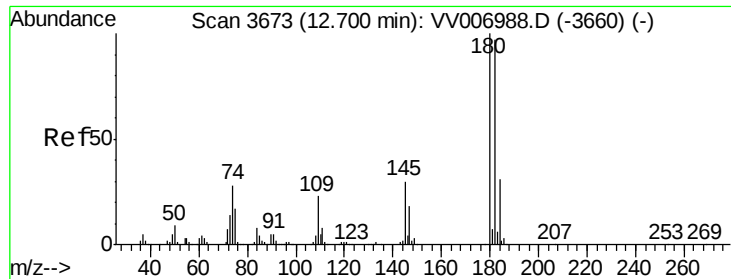
Acq: 10 Aug 2018 20:02

Tgt Ion:	75	Resp:	460
Ion Ratio	Lower	Upper	
75	100		
155	0.0	62.6	94.0#
157	72.7	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





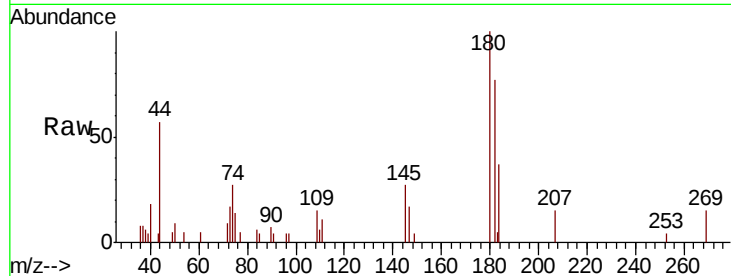
#67
 1,3,5-Trichlorobenzene
 Concen: 0.19 ug/L
 RT: 12.70 min Scan# 3674
 Delta R.T. 0.00 min
 Lab File: VV006994.D
 Acq: 10 Aug 2018 20:02

Instrument :
 MSVOA_V
 ClientSampled :
 MDL05

Tot Ion	Ratio	Lower	Upper
180	100		
182	84.2	75.1	112.7
184	32.1	23.8	35.8
145	27.8	21.9	32.9

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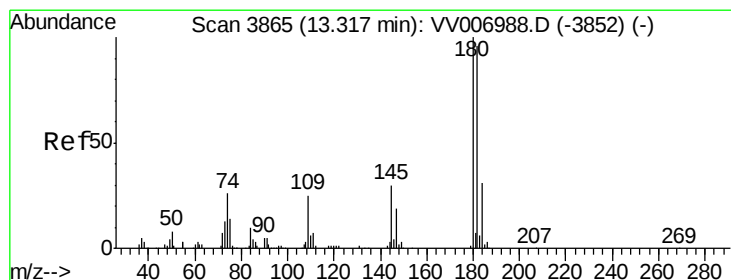
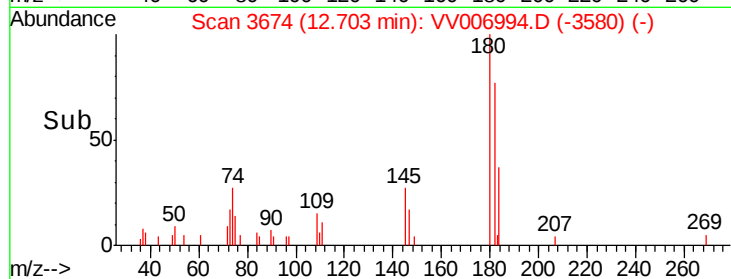
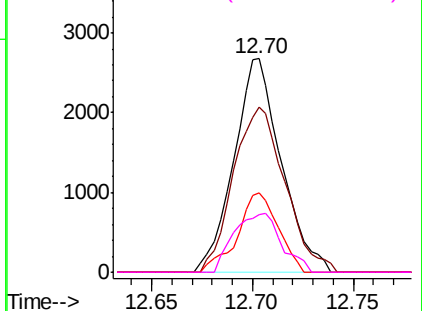
Abundance

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: 0.14 ug/L
 RT: 13.31 min Scan# 3864
 Delta R.T. -0.00 min
 Lab File: VV006994.D
 Acq: 10 Aug 2018 20:02

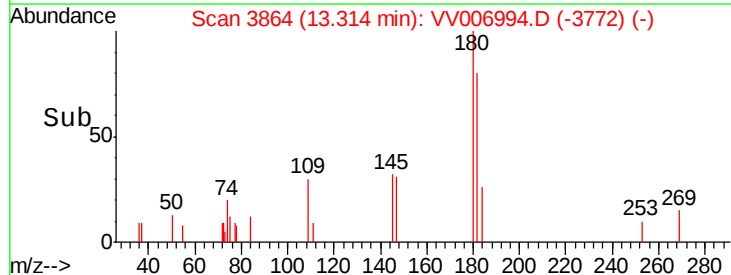
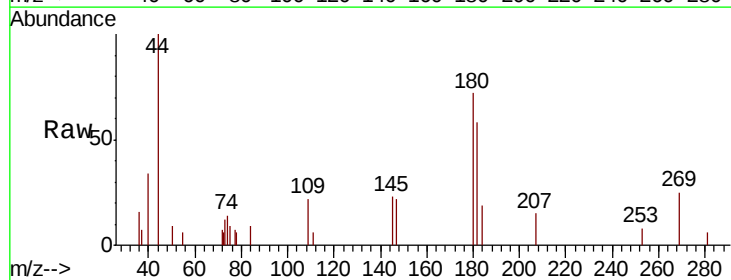
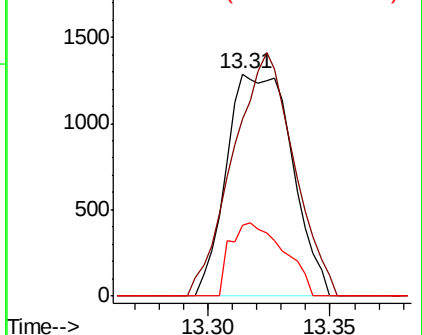
Tgt Ion	Ratio	Lower	Upper
180	100		
182	101.7	76.5	114.7
145	27.1	23.6	35.4

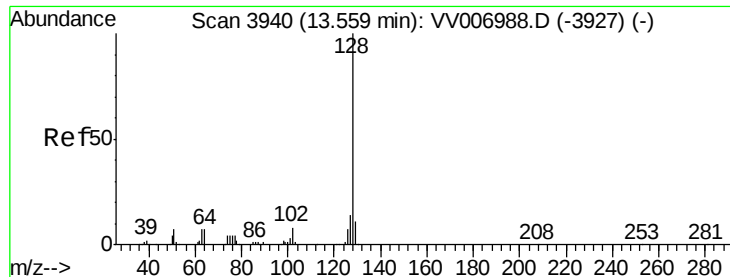
Abundance

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: VV006994.D

Acq: 10 Aug 2018 20:02

Instrument :

MSVOA_V

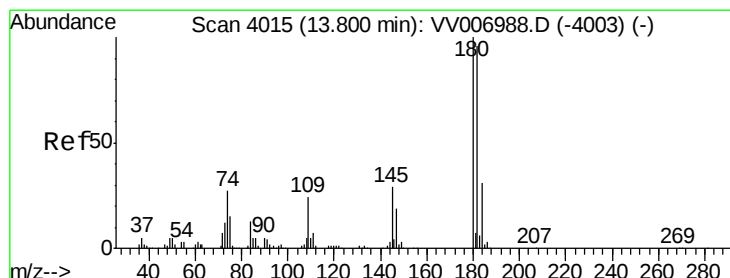
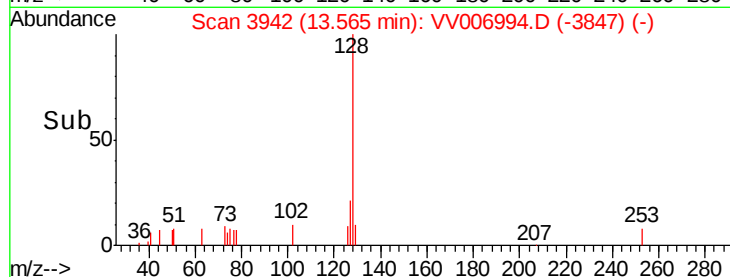
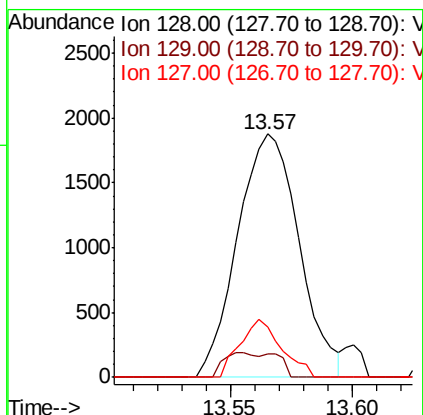
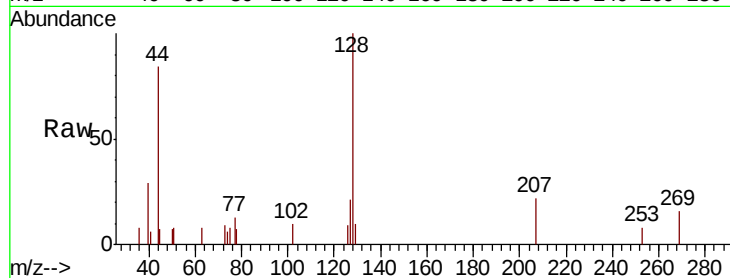
ClientSampled :

MDL05

Tot Ion:	128	Resp:	3283
Ion Ratio	Lower	Upper	
128	100		
129	5.8	8.5	12.7#
127	16.1	10.6	16.0#

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#70

1,2,3-Trichlorobenzene

Concen: 0.17 ug/L

RT: 13.80 min Scan# 4016

Delta R.T. 0.00 min

Lab File: VV006994.D

Acq: 10 Aug 2018 20:02

Tgt Ion:	180	Resp:	2721
Ion Ratio	Lower	Upper	
180	100		
182	84.6	76.1	114.1
145	25.9	24.6	36.8

