

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081018\
 Data File : VV006996.D
 Acq On : 10 Aug 2018 20:55
 Operator : SY/MD
 Sample : MDL07
 Misc : 25 mL/MSVOA V/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL07

Manual Integrations
 APPROVED

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 8/13/2018 5:35:27 PM

Quant Time: Aug 11 00:34:50 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	252565	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	247114	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	97582	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	65249	4.00	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.00%
7) Chloroethane-d5	1.58	69	60304	4.36	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.20%
11) 1,1-Dichloroethene-d2	2.13	63	90682	2.96	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	59.20%#
20) 2-Butanone-d5	3.97	46	260309	55.52	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.04%
24) Chloroform-d	4.41	84	155863	4.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.20%
26) 1,2-Dichloroethane-d4	5.09	65	84126	5.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.80%
32) Benzene-d6	5.10	84	285990	4.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.20%
36) 1,2-Dichloropropane-d6	6.12	67	104027	4.79	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.80%
41) Toluene-d8	7.36	98	208544	3.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.20%
43) trans-1,3-Dichloropropene-	7.67	79	32014	4.24	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.80%
46) 2-Hexanone-d5	8.15	63	136676	44.27	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.54%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	82681	4.89	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.80%
64) 1,2-Dichlorobenzene-d4	11.68	152	82776	4.88	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	4602	0.19 ug/L	99
3) Chloromethane	1.25	50	4778	0.20 ug/L	97
5) Vinyl chloride	1.32	62	4663	0.19 ug/L #	66
6) Bromomethane	1.53	94	1104	0.21 ug/L	91
8) Chloroethane	1.60	64	3170	0.21 ug/L	96
9) Trichlorofluoromethane	1.77	101	5672	0.18 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	4068	0.22 ug/L	89
12) 1,1-Dichloroethene	2.14	96	4043	0.22 ug/L #	1
13) Acetone	2.21	43	5761	2.39 ug/L	97
14) Carbon disulfide	2.32	76	10925	0.18 ug/L #	90
15) Methyl Acetate	2.47	43	1867	0.27 ug/L	97
16) Methylene chloride	2.54	84	7008	0.32 ug/L	98
17) Methyl tert-butyl Ether	2.82	73	8160	0.19 ug/L	96
18) trans-1,2-Dichloroethene	2.79	96	3969	0.20 ug/L	97
19) 1,1-Dichloroethane	3.23	63	6014	0.17 ug/L #	85
21) 2-Butanone	4.06	43	11178	2.13 ug/L	99
22) cis-1,2-Dichloroethene	3.97	96	4114	0.19 ug/L	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	1814	0.20	ug/L	72
25) Chloroform	4.43	83	7917	0.21	ug/L	96
27) 1,2-Dichloroethane	5.19	62	4754	0.20	ug/L	98
29) 1,1,1-Trichloroethane	4.66	97	5798	0.18	ug/L	96
30) Cyclohexane	4.72	56	5325	0.16	ug/L	96
31) Carbon tetrachloride	4.87	117	4780	0.17	ug/L	90
33) Benzene	5.15	78	14794	0.17	ug/L	100
34) Trichloroethene	5.96	95	3597	0.18	ug/L	94
35) Methylcyclohexane	6.18	83	4585	0.14	ug/L	90
37) 1,2-Dichloropropane	6.23	63	4061	0.17	ug/L	99
38) Bromodichloromethane	6.56	83	4677	0.18	ug/L	98
39) cis-1,3-Dichloropropene	7.08	75	4203	0.15	ug/L	94
40) 4-Methyl-2-pentanone	7.29	43	18124	1.43	ug/L #	90
42) Toluene	7.44	91	12600	0.15	ug/L	98
44) trans-1,3-Dichloropropene	7.70	75	3670	0.16	ug/L	90
45) 1,1,2-Trichloroethane	7.89	97	2897	0.19	ug/L	93
47) Tetrachloroethene	8.02	164	2641	0.16	ug/L	90
48) 2-Hexanone	8.20	43	38659	4.33	ug/L #	95
49) Dibromochloromethane	8.30	129	3167	0.20	ug/L	98
50) 1,2-Dibromoethane	8.41	107	2228	0.17	ug/L #	78
51) Chlorobenzene	8.93	112	9091	0.17	ug/L	97
52) Ethylbenzene	9.06	91	12561	0.15	ug/L	100
53) m,p-xylene	9.19	106	4303	0.14	ug/L	96
54) o-xylene	9.59	106	4062	0.14	ug/L	93
55) Styrene	9.61	104	6123	0.13	ug/L	98
56) Isopropylbenzene	9.98	105	9519	0.13	ug/L #	96
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	3553	0.19	ug/L #	95
59) 1,2,3-Trichloropropane	10.32	75	2350	0.18	ug/L #	68
61) Bromoform	9.78	173	1536	0.21	ug/L #	92
62) 1,3-Dichlorobenzene	11.23	146	5609	0.18	ug/L	95
63) 1,4-Dichlorobenzene	11.33	146	6449	0.20	ug/L	91
65) 1,2-Dichlorobenzene	11.69	146	6124	0.20	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.49	75	413m	0.19	ug/L	
67) 1,3,5-Trichlorobenzene	12.70	180	4177	0.17	ug/L	99
68) 1,2,4-trichlorobenzene	13.32	180	2564	0.15	ug/L	92
69) Naphthalene	13.56	128	3109	0.12	ug/L #	93
70) 1,2,3-Trichlorobenzene	13.80	180	2466	0.15	ug/L #	92

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

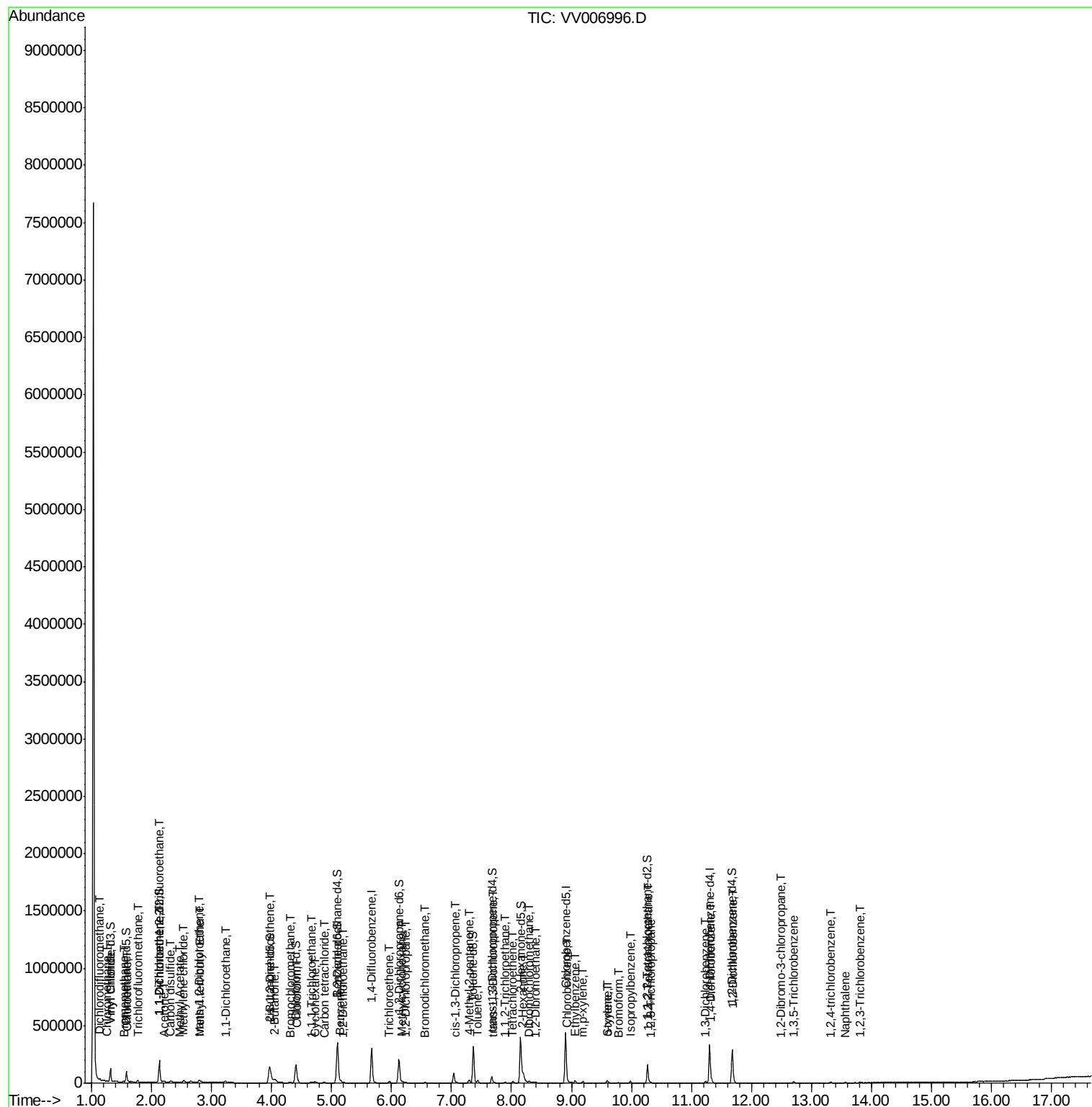
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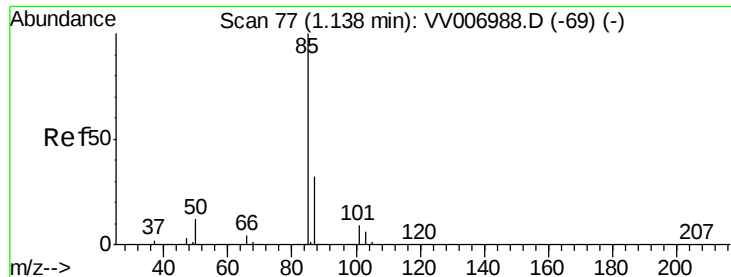
Instrument :
MSVOA_V
ClientSampleId :
MDL07

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#2

Dichlorodifluoromethane

Concen: 0.19 ug/L

RT: 1.14 min Scan# 77

Delta R.T. -0.00 min

Lab File: VV006996.D

Acq: 10 Aug 2018 20:55

Instrument :

MSVOA_V

ClientSampleId :

MDL07

Tot Ion: 85 Resp: 4602

Ion Ratio Lower Upper

85 100

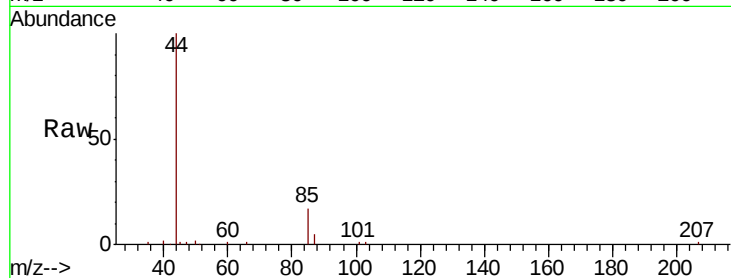
87 32.5 25.4 38.2

Manual Integrations

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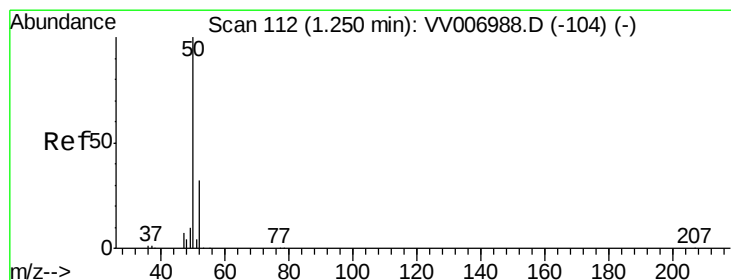
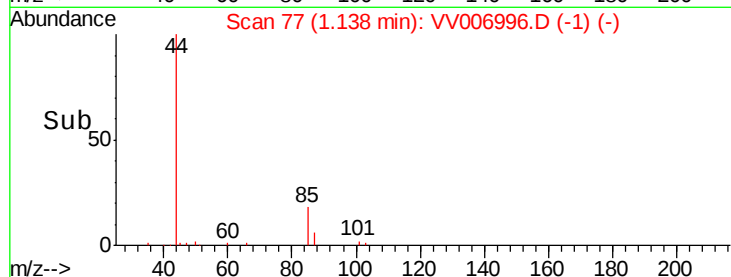
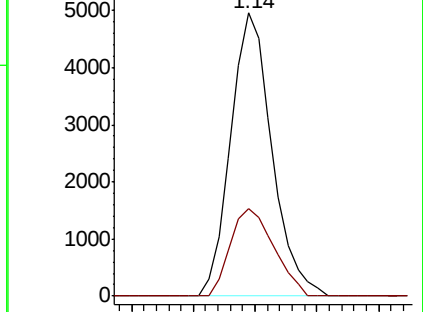
apatel

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

Ion 87.00 (86.70 to 87.70): VV006988.D (-69) (-)



#3

Chloromethane

Concen: 0.20 ug/L

RT: 1.25 min Scan# 112

Delta R.T. -0.00 min

Lab File: VV006996.D

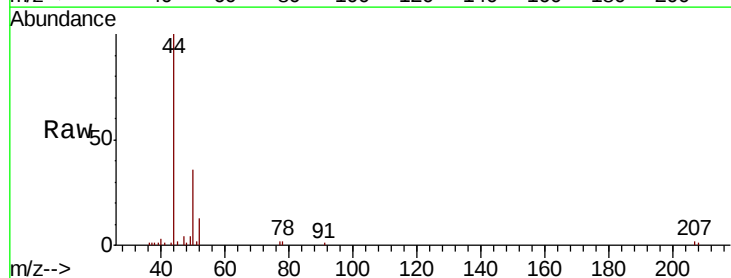
Acq: 10 Aug 2018 20:55

Tgt Ion: 50 Resp: 4778

Ion Ratio Lower Upper

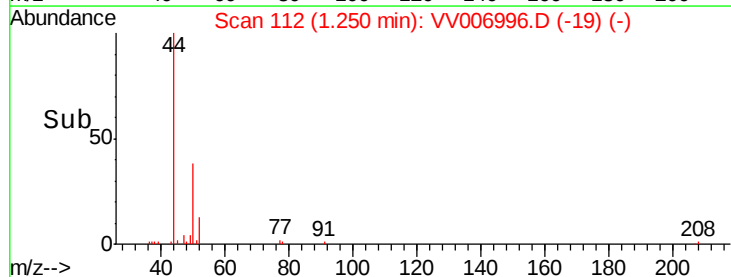
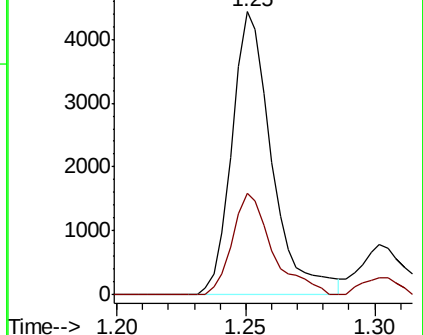
50 100

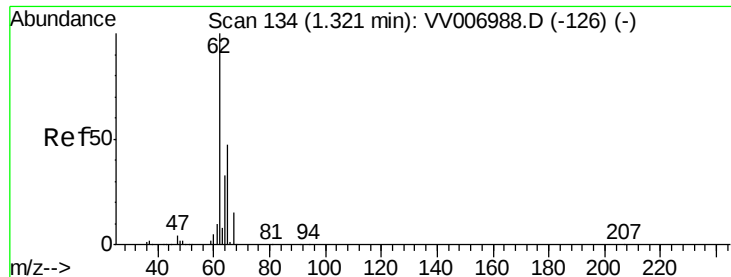
52 35.7 23.6 43.8



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

Ion 52.05 (51.75 to 52.75): 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: VV006996.D

Acq: 10 Aug 2018 20:55

Instrument :

MSVOA_V

ClientSampled :

MDL07

Tot Ion: 62 Resp: 4663

Ion Ratio Lower Upper

62 100

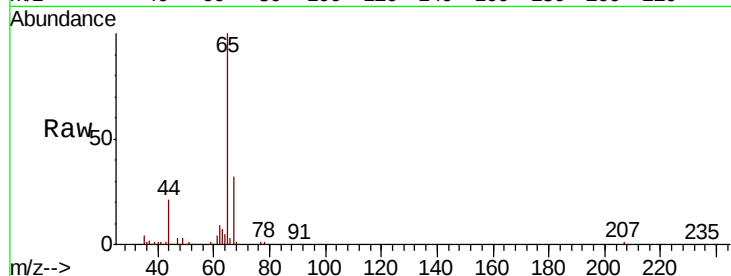
64 53.1 23.5 43.7#

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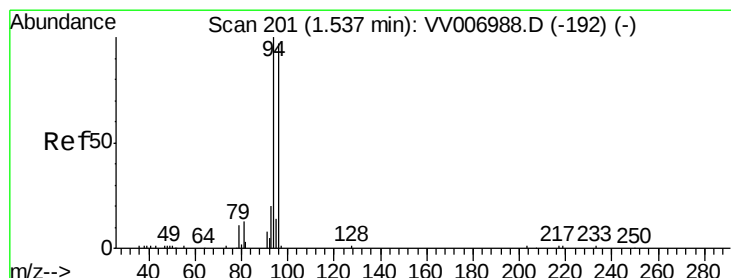
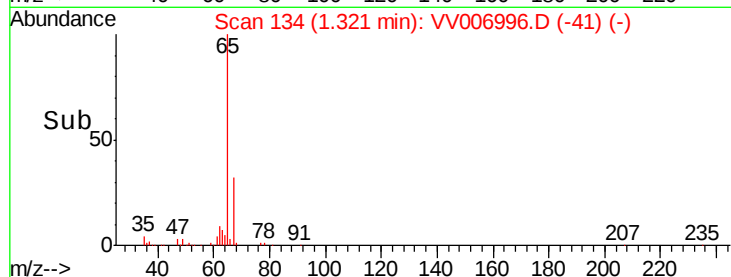
Abundance Ion 62.00 (61.70 to 62.70): VV006988.D (-126) (-)

Ion 64.10 (63.80 to 64.80): VV006996.D (-41) (-)

1.32

1.35

Time-->



#6

Bromomethane

Concen: 0.21 ug/L

RT: 1.53 min Scan# 200

Delta R.T. -0.00 min

Lab File: VV006996.D

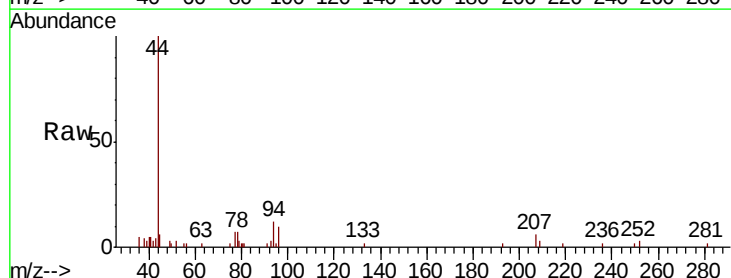
Acq: 10 Aug 2018 20:55

Tgt Ion: 94 Resp: 1104

Ion Ratio Lower Upper

94 100

96 84.0 65.0 120.6



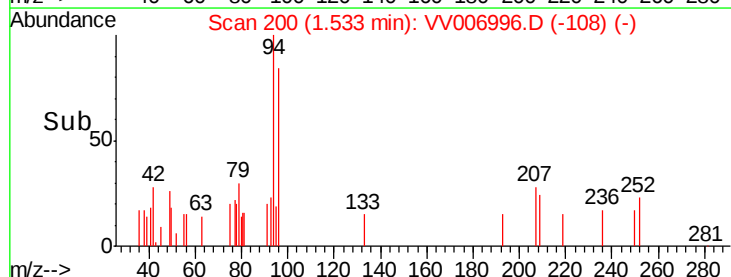
Abundance Ion 94.00 (93.70 to 94.70): VV006988.D (-192) (-)

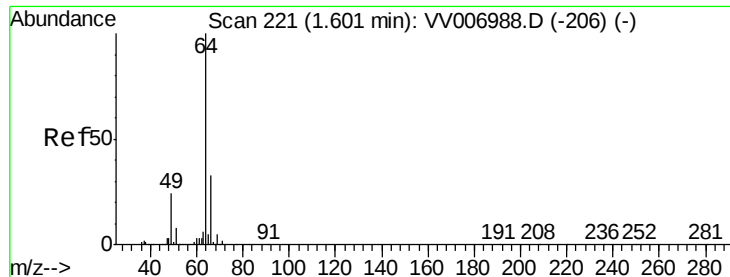
Ion 96.00 (95.70 to 96.70): VV006996.D (-108) (-)

1.53

1.56

Time-->





#8

Chloroethane

Concen: 0.21 ug/L

RT: 1.60 min Scan# 221

Delta R.T. -0.00 min

Lab File: VV006996.D

Acq: 10 Aug 2018 20:55

Instrument :

MSVOA_V

ClientSampleId :

MDL07

Tot Ion: 64 Resp: 3170

Ion Ratio Lower Upper

64 100

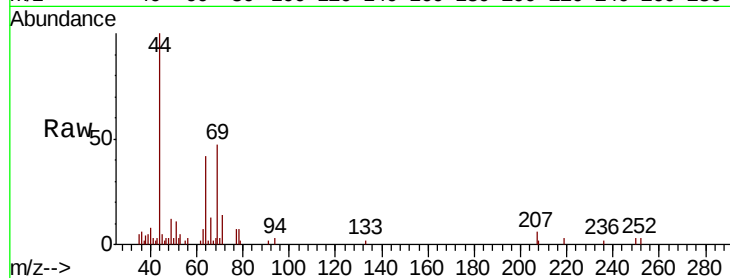
66 30.1 22.6 42.0

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Abundance Ion 64.10 (63.80 to 64.80): VV006988.D (-206) (-)

Ion 66.05 (65.75 to 66.75): VV006996.D (-128) (-)

3000

2500

2000

1500

1000

500

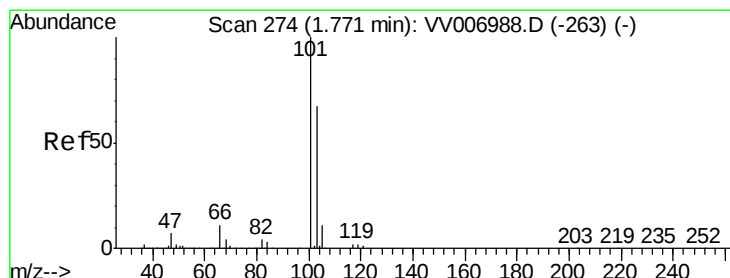
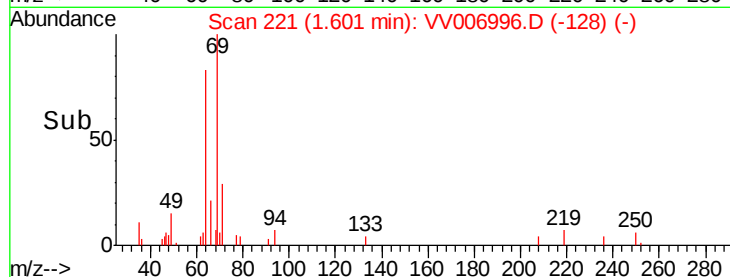
0

1.55

1.60

1.65

Time-->



#9

Trichlorofluoromethane

Concen: 0.18 ug/L

RT: 1.77 min Scan# 273

Delta R.T. -0.00 min

Lab File: VV006996.D

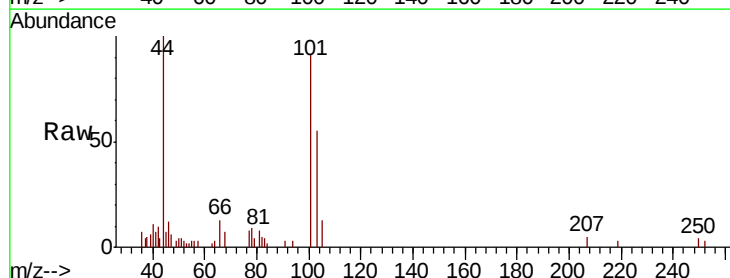
Acq: 10 Aug 2018 20:55

Tgt Ion:101 Resp: 5672

Ion Ratio Lower Upper

101 100

103 63.7 52.7 79.1



Abundance Ion 101.00 (100.70 to 101.70): VV006988.D (-263) (-)

Ion 103.00 (102.70 to 103.70): VV006996.D (-181) (-)

5000

4000

3000

2000

1000

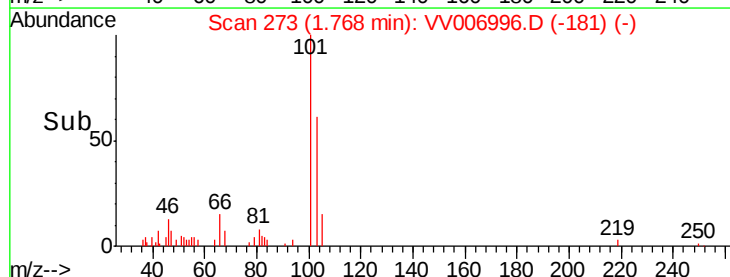
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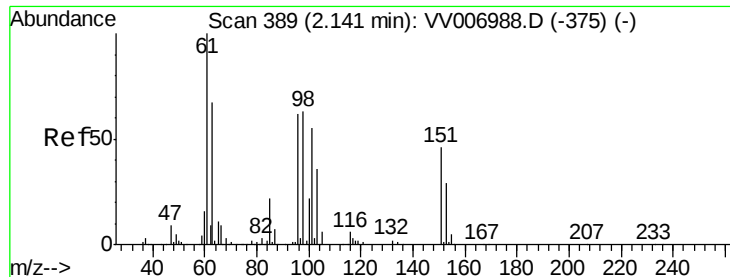
1.75

1.77

1.80

Time-->





#10

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

Concen: 0.22 ug/L

RT: 2.14 min Scan# 388

Delta R.T. -0.00 min

Lab File: VV006996.D

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Instrument :

MSVOA_V

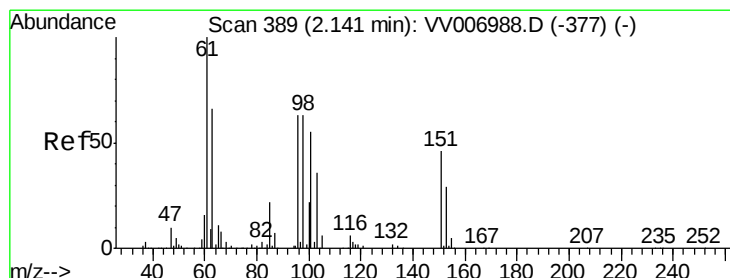
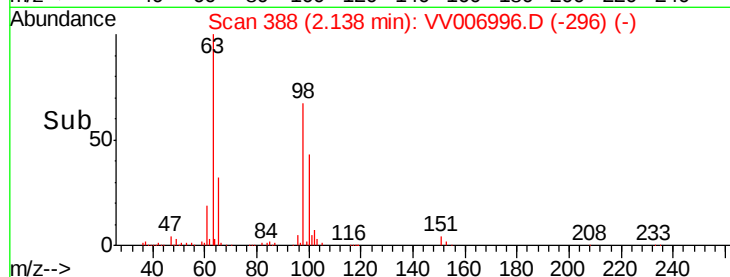
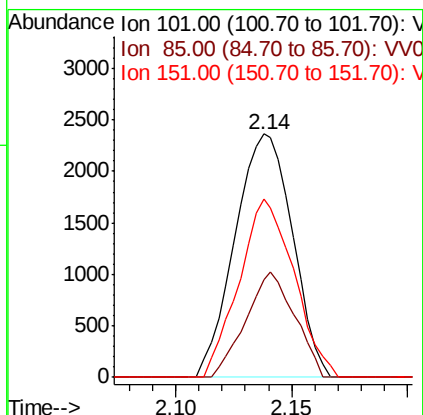
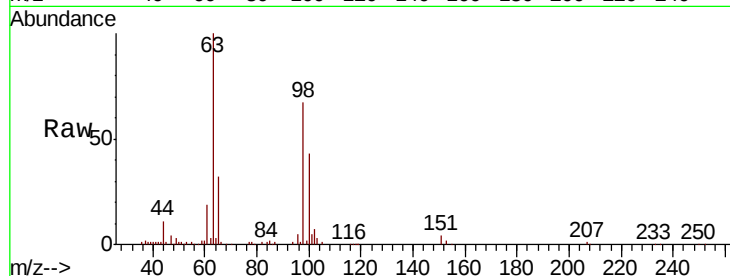
ClientSampleId :

MDL07

Tot Ion:	101	Resp:	4068
Ion Ratio	Lower	Upper	
101	100		
85	36.8	33.9	50.9
151	70.0	64.1	96.1

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#12

1,1-Dichloroethene

Concen: 0.22 ug/L

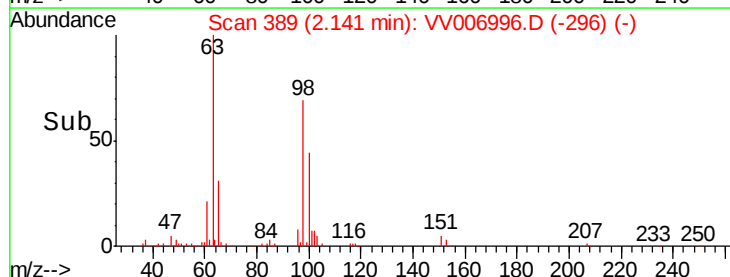
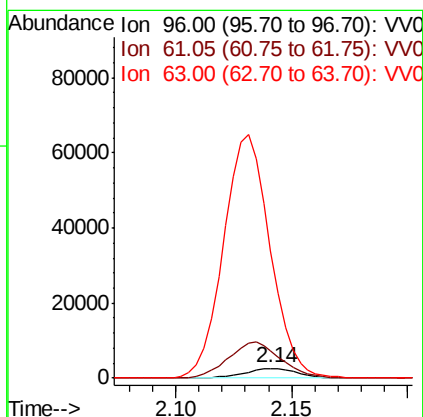
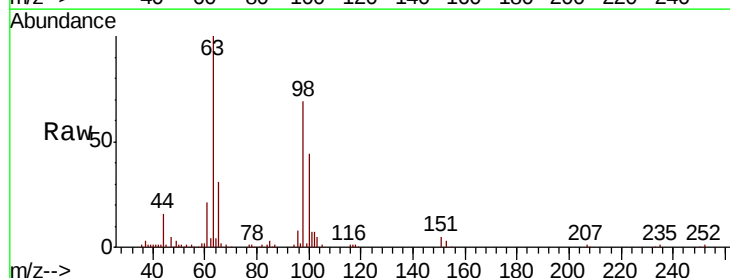
RT: 2.14 min Scan# 389

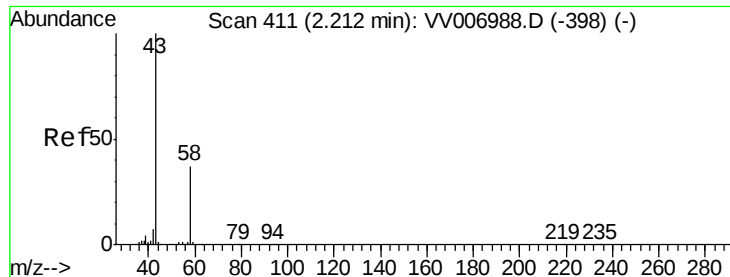
Delta R.T. -0.00 min

Lab File: VV006996.D

Acq: 10 Aug 2018 20:55

Tgt Ion:	96	Resp:	4043
Ion Ratio	Lower	Upper	
96	100		
61	282.8	111.6	207.4#
63	1320.3	84.9	157.7#





#13

Acetone

Concen: 2.39 ug/L

RT: 2.21 min Scan# 410

Delta R.T. -0.00 min

Lab File: VV006996.D

Acq: 10 Aug 2018 20:55

Instrument :

MSVOA_V

ClientSampled :

MDL07

Tot Ion: 43 Resp: 5761

Ion Ratio Lower Upper

43 100

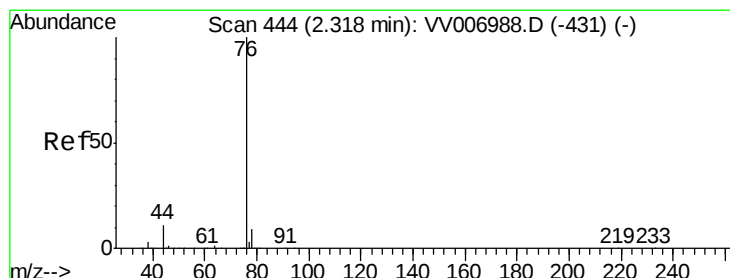
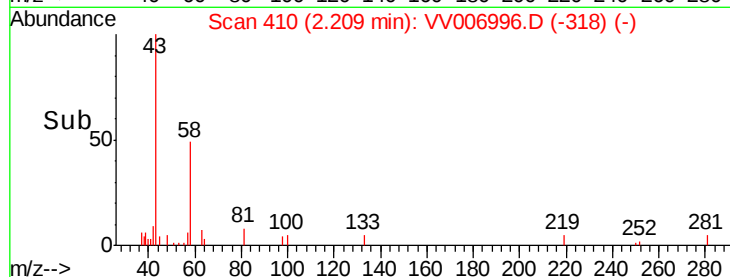
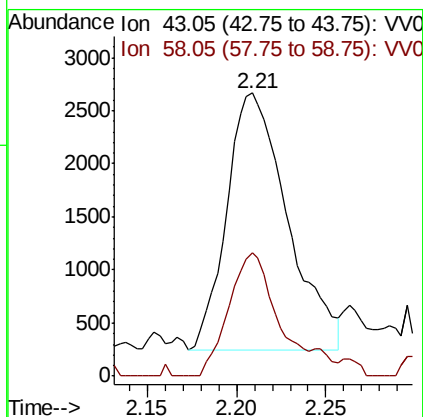
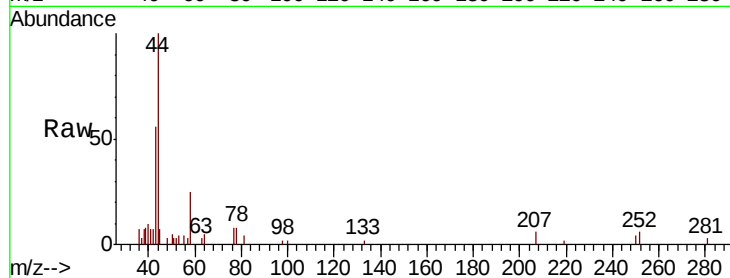
58 37.7 0.0 71.4

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#14

Carbon disulfide

Concen: 0.18 ug/L

RT: 2.32 min Scan# 444

Delta R.T. -0.00 min

Lab File: VV006996.D

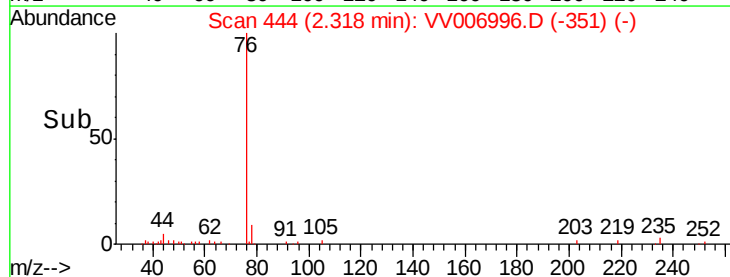
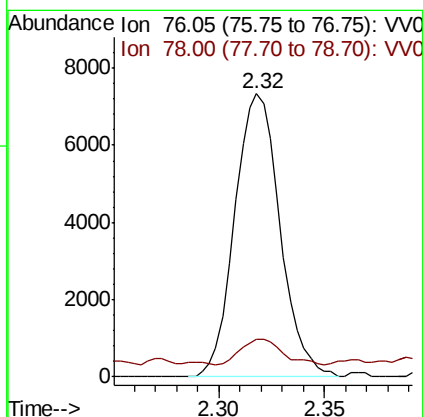
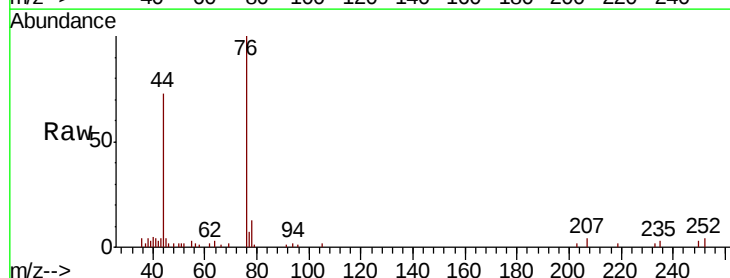
Acq: 10 Aug 2018 20:55

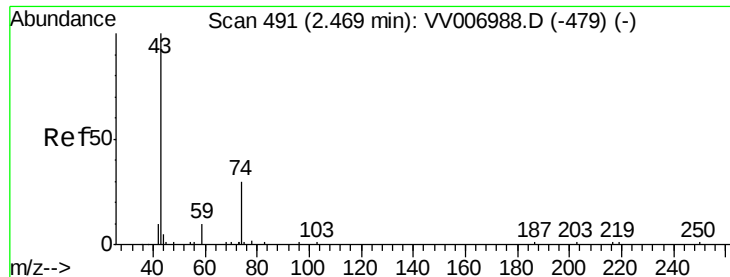
Tgt Ion: 76 Resp: 10925

Ion Ratio Lower Upper

76 100

78 13.1 7.6 11.4#





#15

Methyl Acetate

Concen: 0.27 ug/L

RT: 2.47 min Scan# 491

Delta R.T. -0.00 min

Lab File: VV006996.D

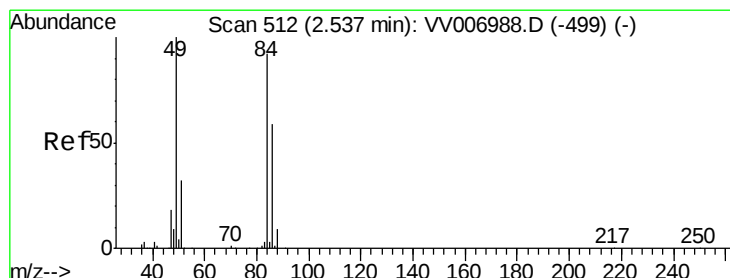
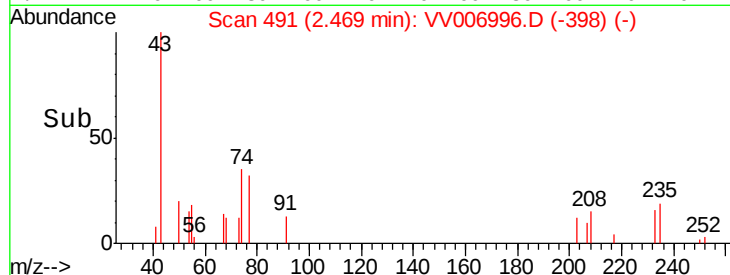
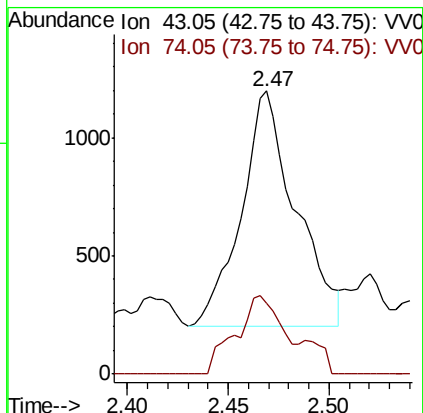
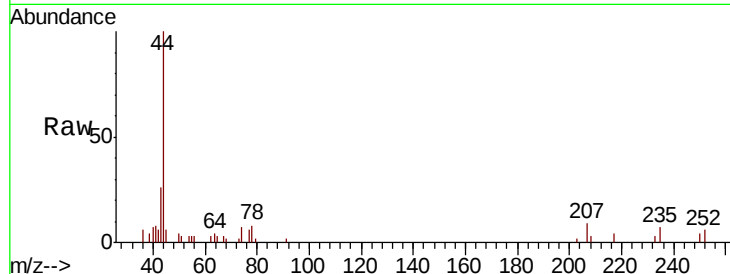
Acq: 10 Aug 2018 20:55

Tot Ion:	43	Resp:	1867
Ion	Ratio	Lower	Upper
43	100		
74	29.0	24.6	37.0

Instrument :
MSVOA_V
ClientSampleId :
MDL07

Manual Integrations
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#16

Methylene chloride

Concen: 0.32 ug/L

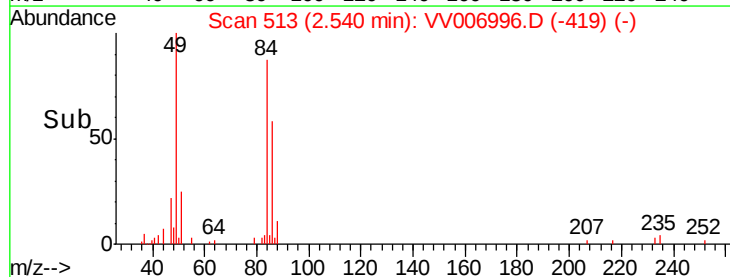
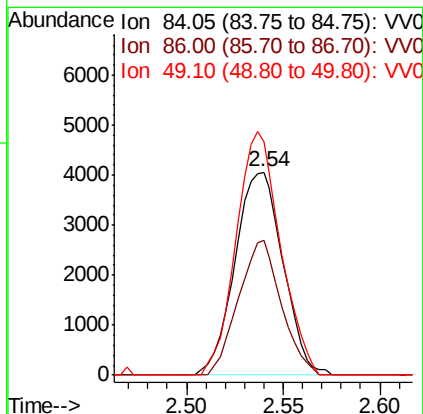
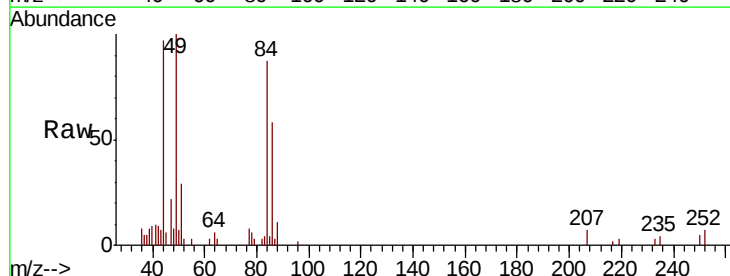
RT: 2.54 min Scan# 513

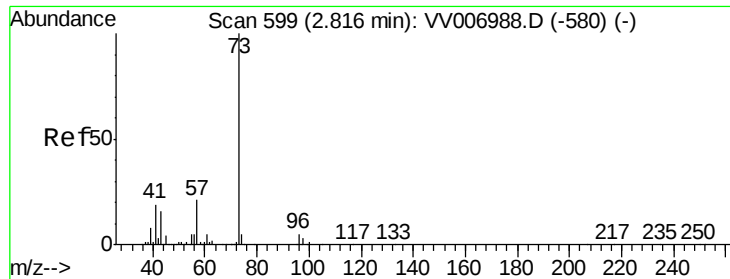
Delta R.T. 0.00 min

Lab File: VV006996.D

Acq: 10 Aug 2018 20:55

Tgt Ion:	84	Resp:	7008
Ion	Ratio	Lower	Upper
84	100		
86	66.4	45.7	84.9
49	114.8	78.8	146.4





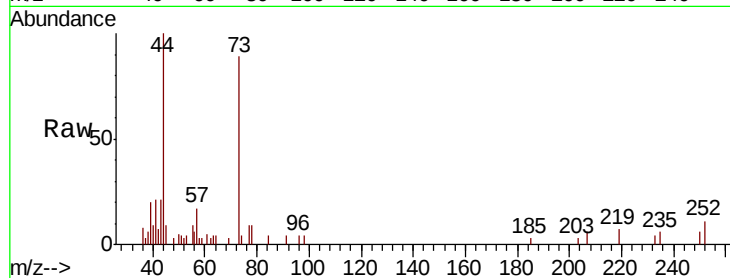
#17
Methvl tert-butvl Ether
Concen: 0.19 ug/L
RT: 2.82 min Scan# 600
Delta R.T. 0.00 min
Lab File: VV006996.D
Acq: 10 Aug 2018 20:55

Instrument :
MSVOA_V
ClientSampleId :
MDL07

Tot Ion	Ratio	Lower	Upper
73	100		
43	20.7	14.4	21.6
57	23.2	17.9	26.9

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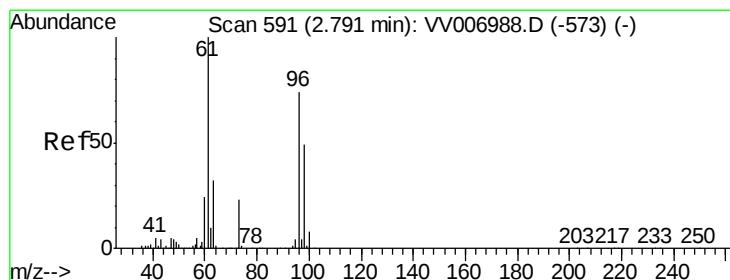
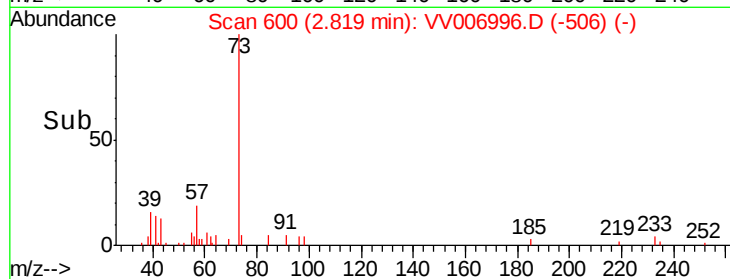
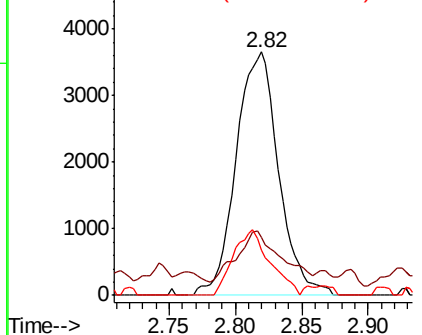


Abundance

Ion 73.10 (72.80 to 73.80): VV006988.D (-580) (-)

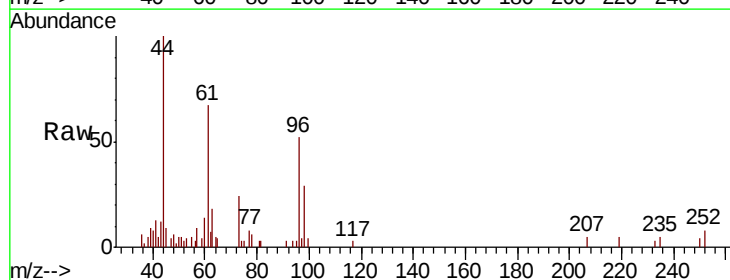
Ion 43.05 (42.75 to 43.75): VV006996.D (-506) (-)

Ion 57.10 (56.80 to 57.80): VV006996.D (-506) (-)



#18
trans-1,2-Dichloroethene
Concen: 0.20 ug/L
RT: 2.79 min Scan# 592
Delta R.T. 0.00 min
Lab File: VV006996.D
Acq: 10 Aug 2018 20:55

Tgt Ion	Ratio	Lower	Upper
96	100		
61	129.6	91.1	169.3
98	55.4	43.5	80.9

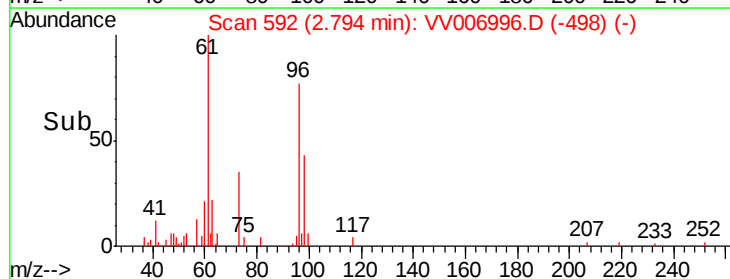
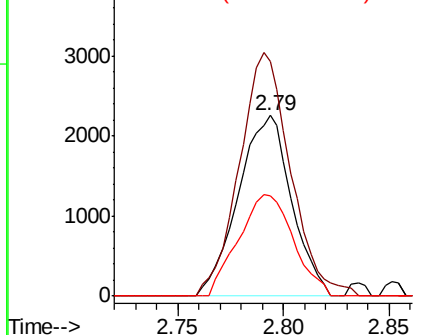


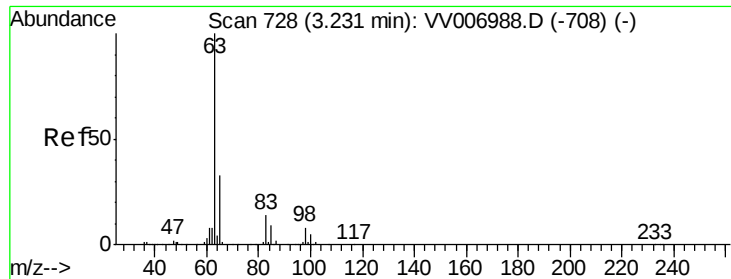
Abundance

Ion 96.00 (95.70 to 96.70): VV006988.D (-573) (-)

Ion 61.05 (60.75 to 61.75): VV006996.D (-498) (-)

Ion 97.95 (97.65 to 98.65): VV006996.D (-498) (-)





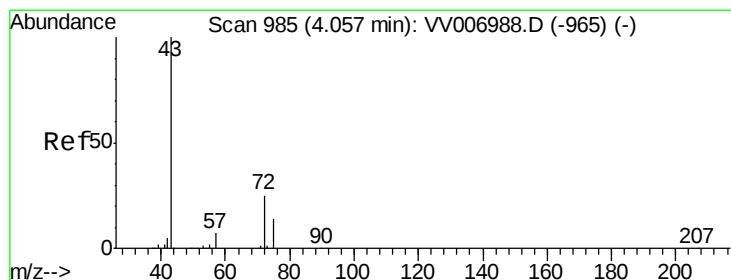
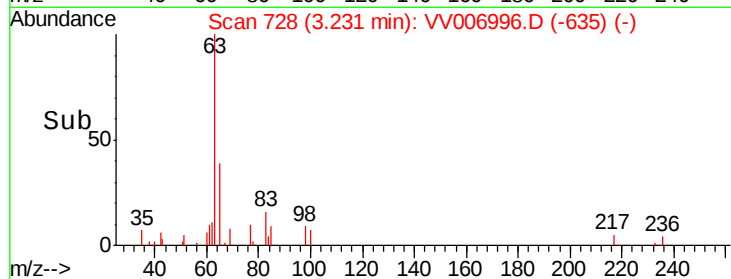
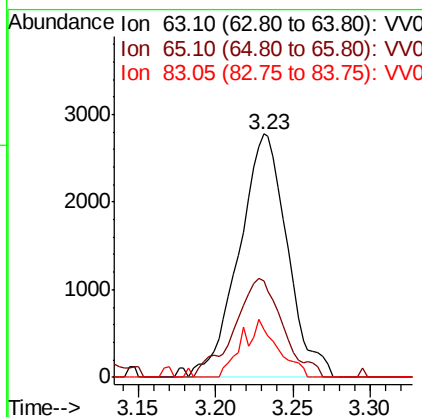
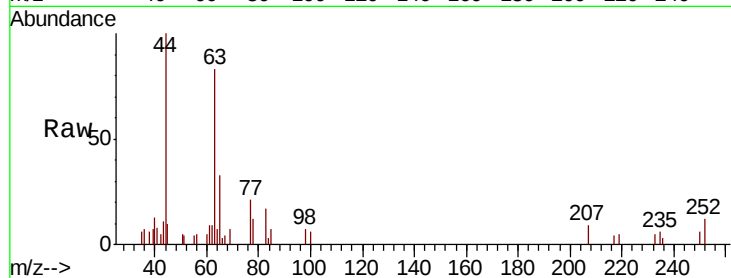
#19
 1,1-Dichloroethane
 Concen: 0.17 ug/L
 RT: 3.23 min Scan# 728
 Delta R.T. -0.00 min
 Lab File: VV006996.D
 Acq: 10 Aug 2018 20:55

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL07

Tot Ion	Ratio	Lower	Upper
63	100		
65	39.5	21.7	40.3
83	19.8	10.0	18.6

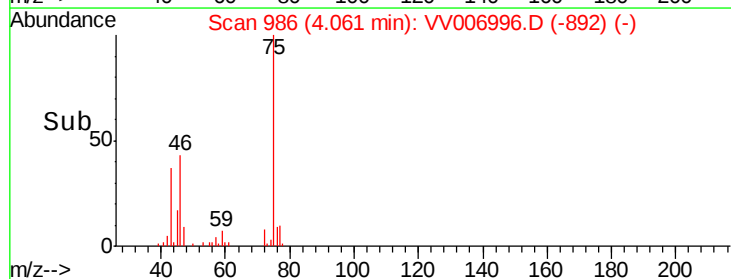
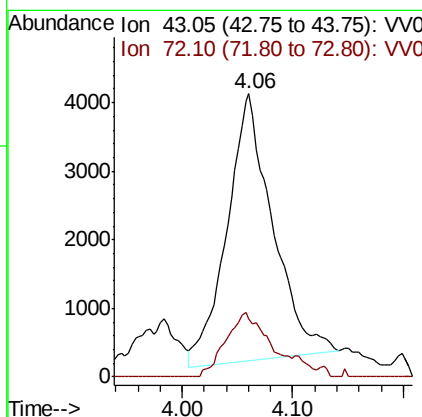
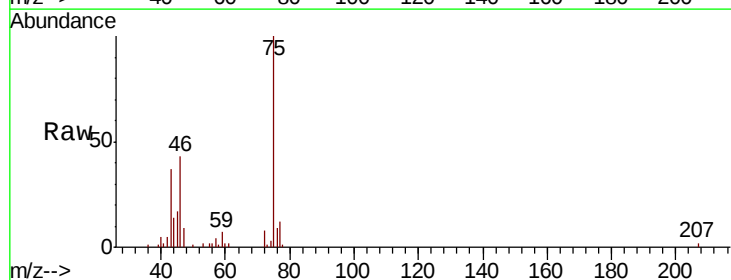
Manual Integrations
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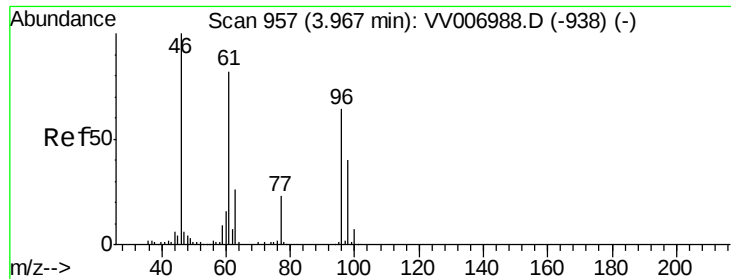
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#21
 2-Butanone
 Concen: 2.13 ug/L
 RT: 4.06 min Scan# 986
 Delta R.T. 0.00 min
 Lab File: VV006996.D
 Acq: 10 Aug 2018 20:55

Tgt Ion	Ratio	Lower	Upper
43	100		
72	25.3	12.4	37.2





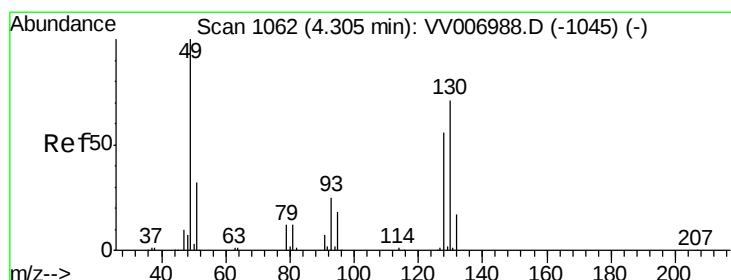
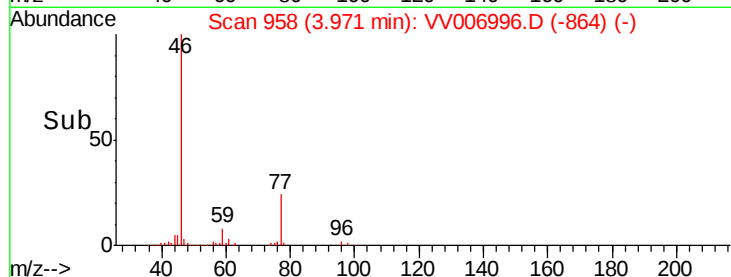
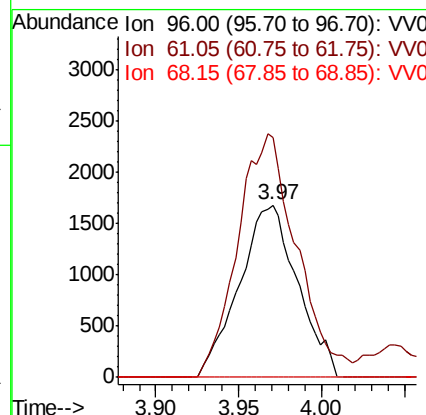
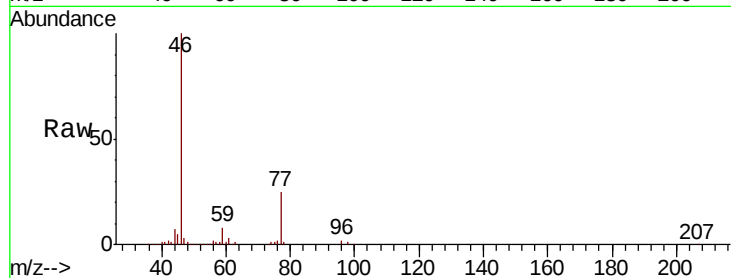
#22
 cis-1,2-Dichloroethene
 Concen: 0.19 ug/L
 RT: 3.97 min Scan# 958
 Delta R.T. 0.00 min
 Lab File: VV006996.D
 Acq: 10 Aug 2018 20:55

Instrument :
 MSVOA_V
 ClientSampled :
 MDL07

Tot Ion	Ratio	Lower	Upper
96	100		
61	138.9	91.1	169.1
68	0.0	0.0	0.0

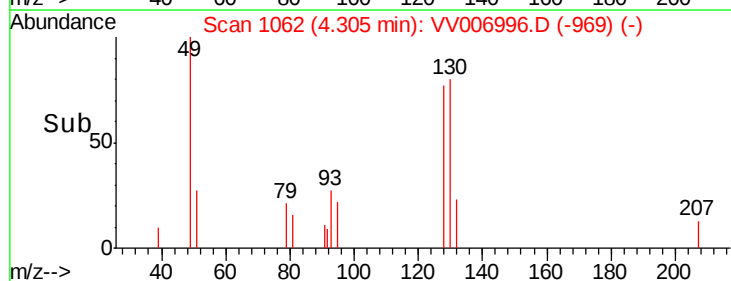
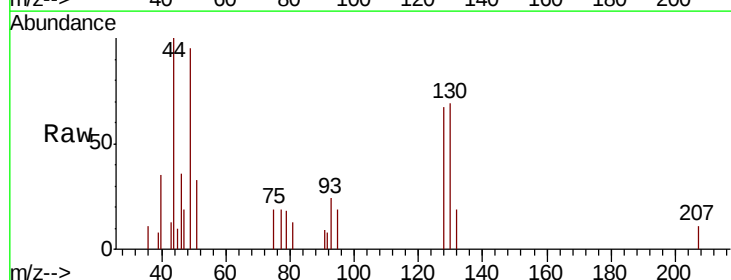
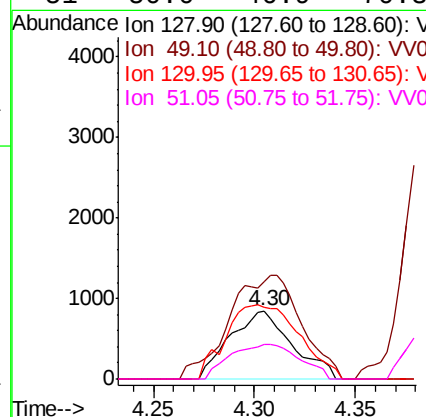
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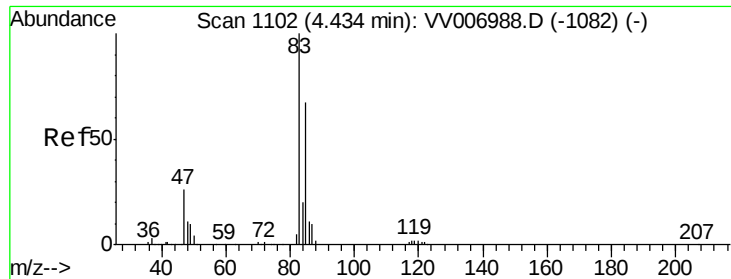
apatel
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#23
 Bromochloromethane
 Concen: 0.20 ug/L
 RT: 4.30 min Scan# 1062
 Delta R.T. -0.00 min
 Lab File: VV006996.D
 Acq: 10 Aug 2018 20:55

Tgt Ion	Ratio	Lower	Upper
128	100		
49	142.1	138.6	257.4
130	104.1	90.0	167.2
51	50.0	46.9	70.3





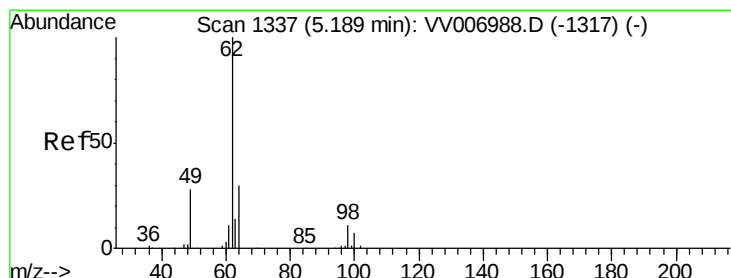
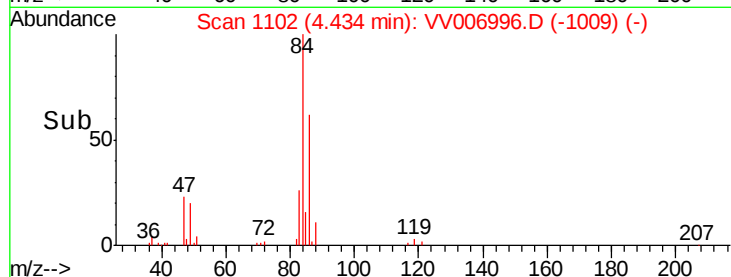
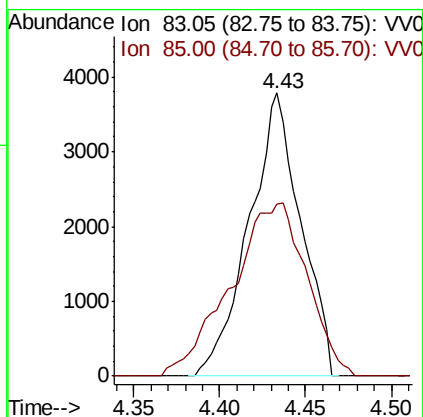
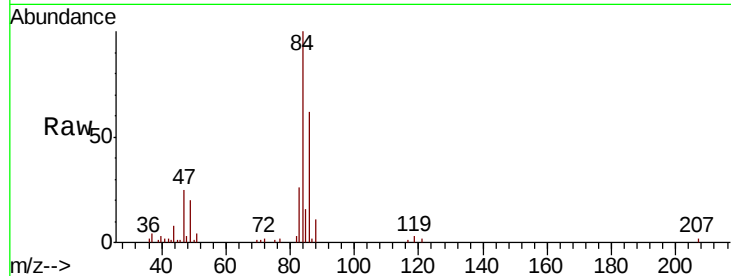
#25
Chloroform
Concen: 0.21 ug/L
RT: 4.43 min Scan# 1102
Delta R.T. -0.00 min
Lab File: VV006996.D
Acq: 10 Aug 2018 20:55

Instrument :
MSVOA_V
ClientSampleId :
MDL07

Tot Ion	83	Resp	7917
Ion Ratio	100	Lower	Upper
85	60.7	44.7	82.9

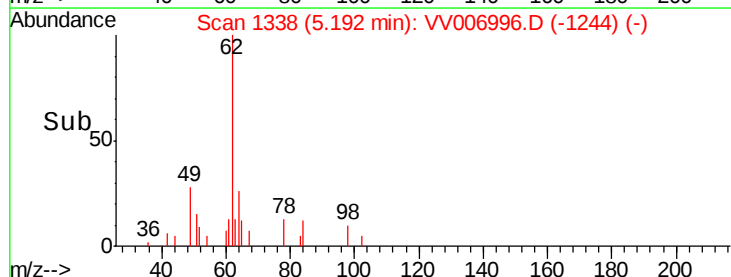
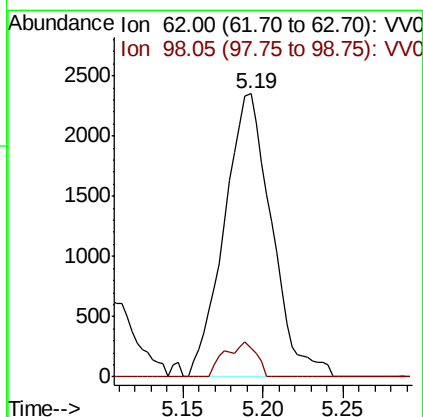
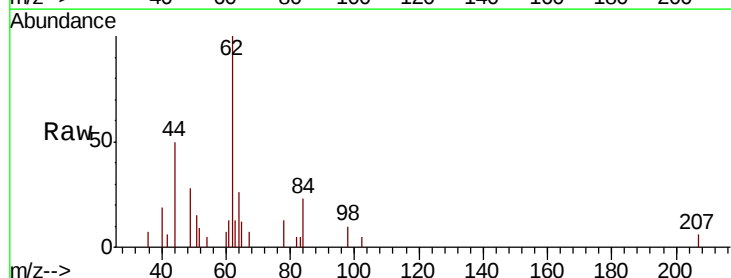
Manual Integrations
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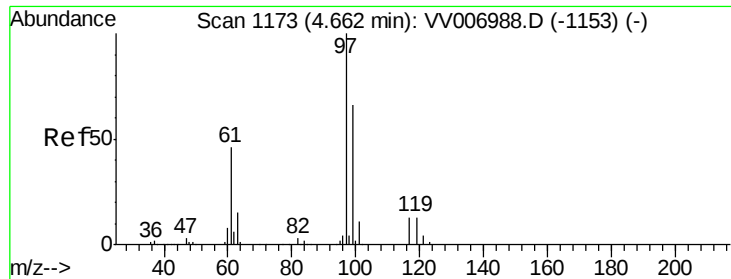
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#27
1,2-Dichloroethane
Concen: 0.20 ug/L
RT: 5.19 min Scan# 1338
Delta R.T. 0.00 min
Lab File: VV006996.D
Acq: 10 Aug 2018 20:55

Tgt Ion	62	Resp	4754
Ion Ratio	100	Lower	Upper
98	10.2	7.6	11.4





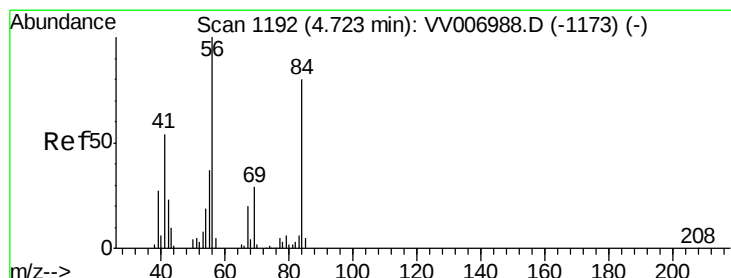
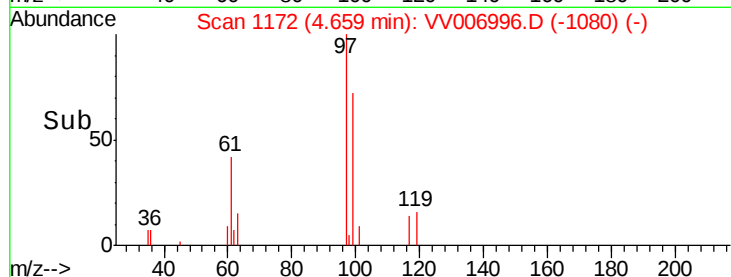
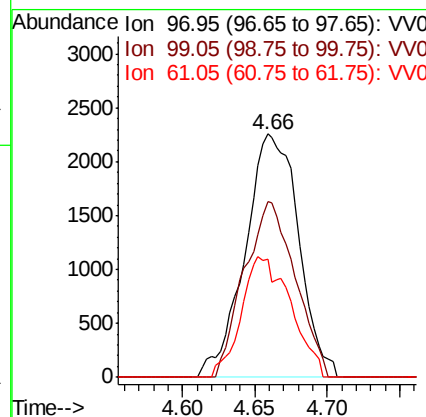
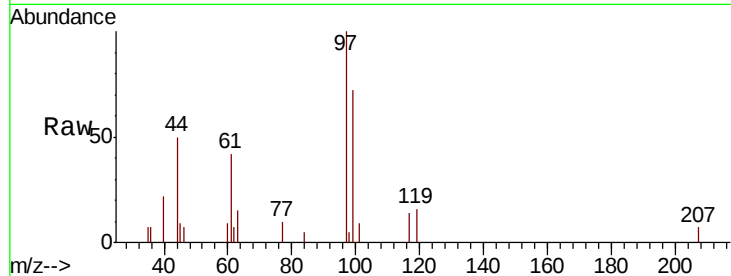
#29
 1,1,1-Trichloroethane
 Concen: 0.18 ug/L
 RT: 4.66 min Scan# 1172
 Delta R.T. -0.00 min
 Lab File: VV006996.D
 Acq: 10 Aug 2018 20:55

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL07

Tot Ion	Ratio	Lower	Upper
97	100		
99	68.5	51.0	76.6
61	45.6	36.6	54.8

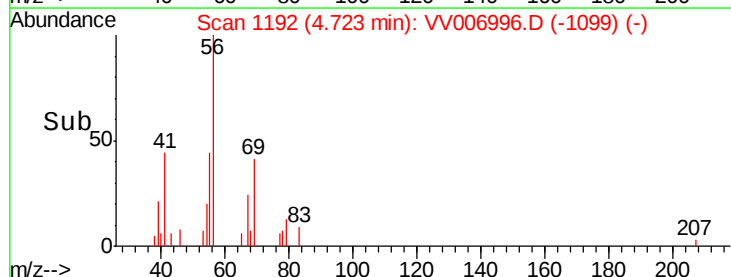
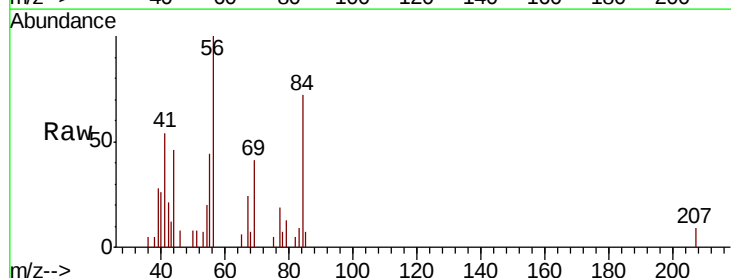
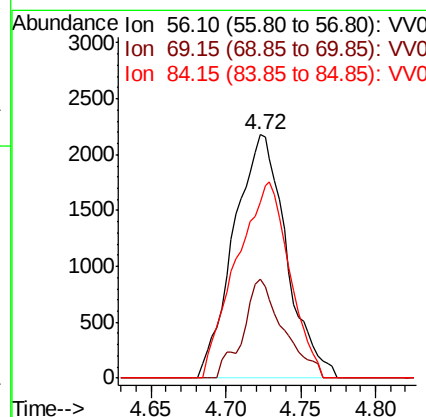
Manual Integrations
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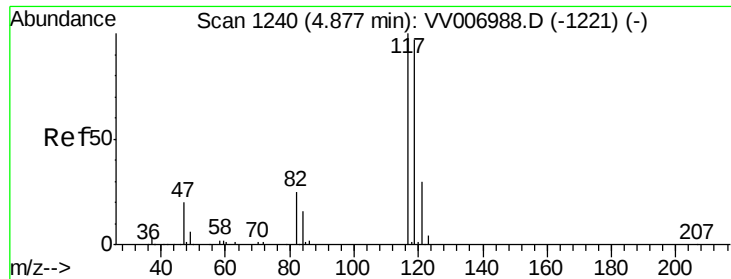
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#30
 Cyclohexane
 Concen: 0.16 ug/L
 RT: 4.72 min Scan# 1192
 Delta R.T. -0.00 min
 Lab File: VV006996.D
 Acq: 10 Aug 2018 20:55

Tgt Ion	Ratio	Lower	Upper
56	100		
69	31.3	23.8	35.6
84	81.5	67.9	101.9





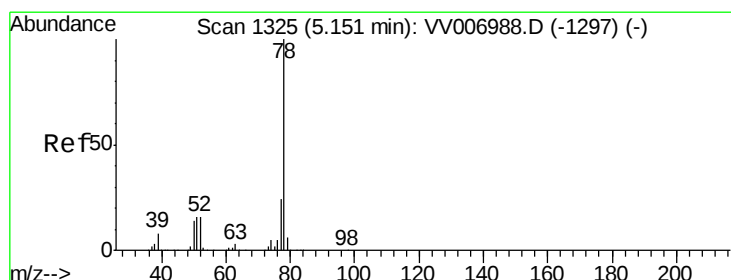
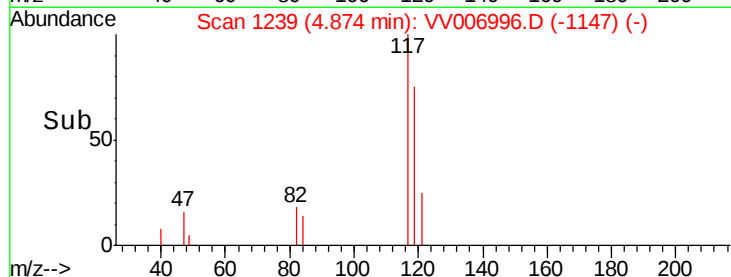
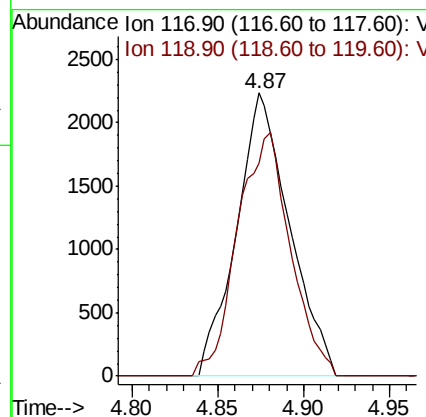
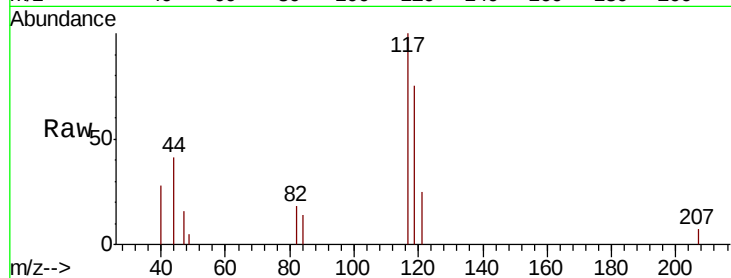
#31
Carbon tetrachloride
Concen: 0.17 ug/L
RT: 4.87 min Scan# 1239
Delta R.T. -0.00 min
Lab File: VV006996.D
Acq: 10 Aug 2018 20:55

Instrument :
MSVOA_V
ClientSampled :
MDL07

Tot Ion:117 Resp: 4780
Ion Ratio Lower Upper
117 100
119 85.8 76.2 114.4

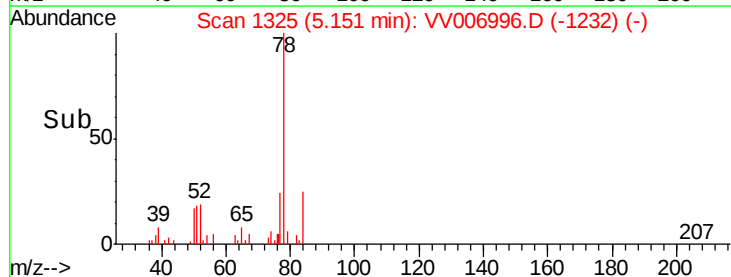
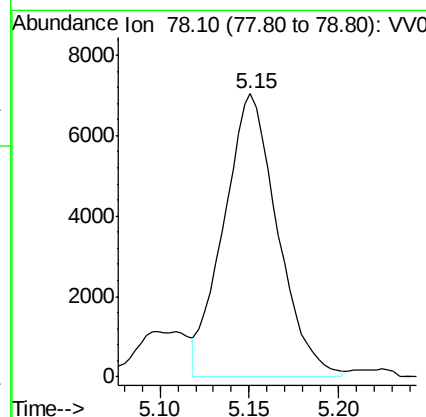
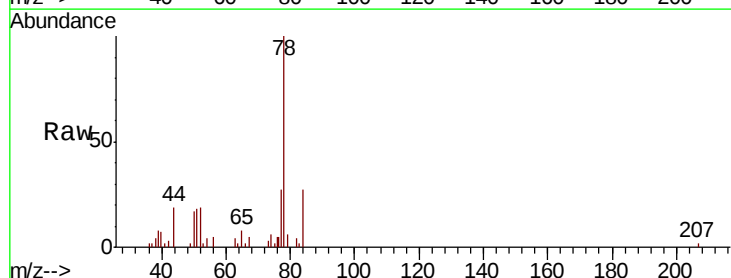
Manual Integrations
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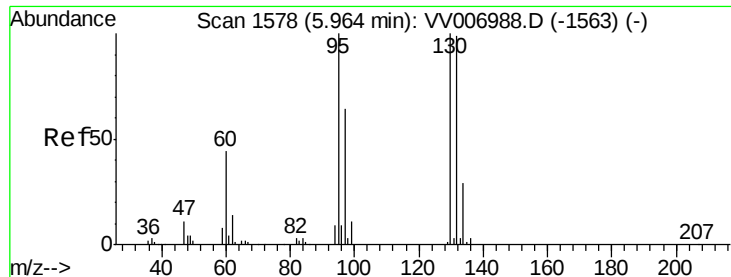
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#33
Benzene
Concen: 0.17 ug/L
RT: 5.15 min Scan# 1325
Delta R.T. -0.00 min
Lab File: VV006996.D
Acq: 10 Aug 2018 20:55

Tgt Ion: 78 Resp: 14794





#34

Trichloroethene

Concen: 0.18 ug/L

RT: 5.96 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VV006996.D

Acq: 10 Aug 2018 20:55

Instrument :

MSVOA_V

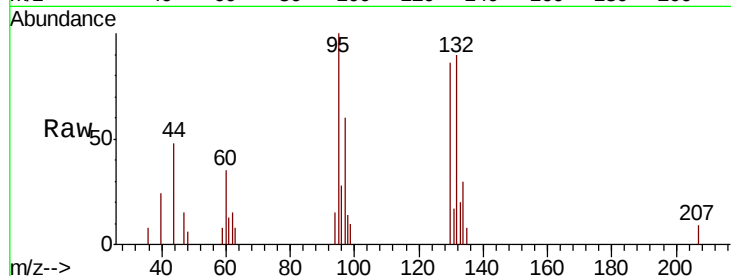
ClientSampled :

MDL07

Tot Ion:	95	Resp:	3597
Ion	Ratio	Lower	Upper
95	100		
97	60.4	44.8	83.2
132	89.6	65.5	121.6
130	85.7	66.4	123.4

Manual Integrations
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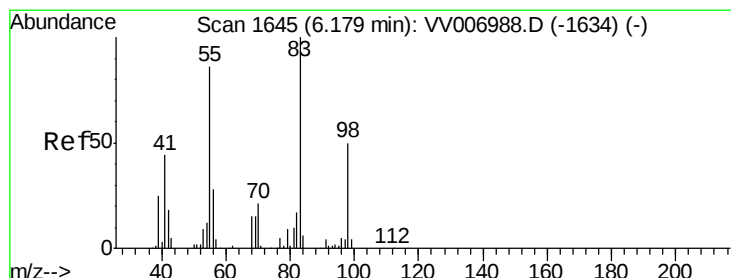
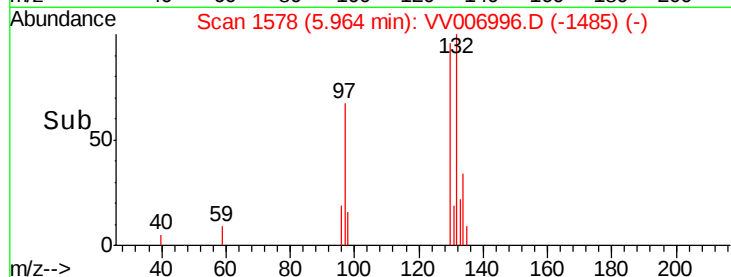
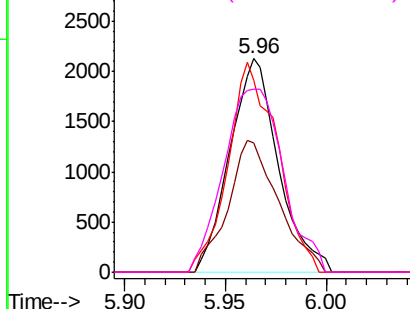


Abundance Ion 95.00 (94.70 to 95.70): VV006996.D (-1485) (-)

Ion 96.95 (96.65 to 97.65): VV006996.D (-1485) (-)

Ion 131.95 (131.65 to 132.65): VV006996.D (-1485) (-)

Ion 129.95 (129.65 to 130.65): VV006996.D (-1485) (-)



#35

Methylcyclohexane

Concen: 0.14 ug/L

RT: 6.18 min Scan# 1644

Delta R.T. -0.00 min

Lab File: VV006996.D

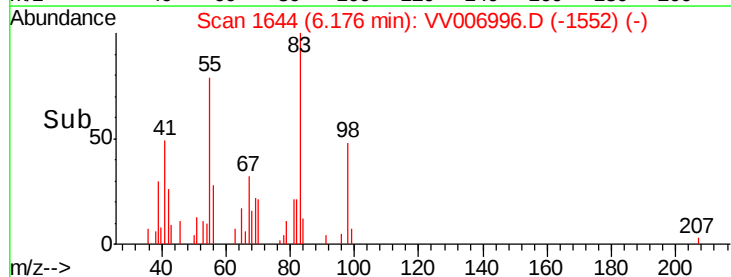
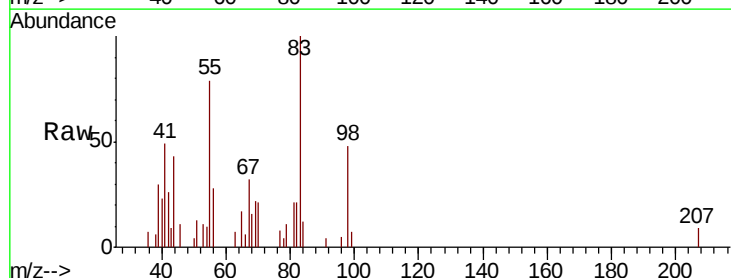
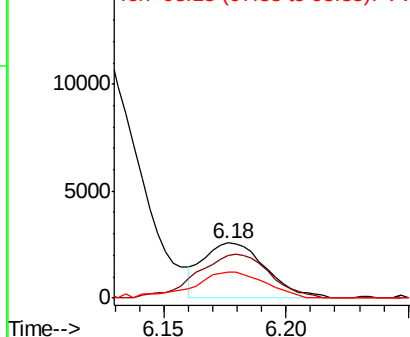
Acq: 10 Aug 2018 20:55

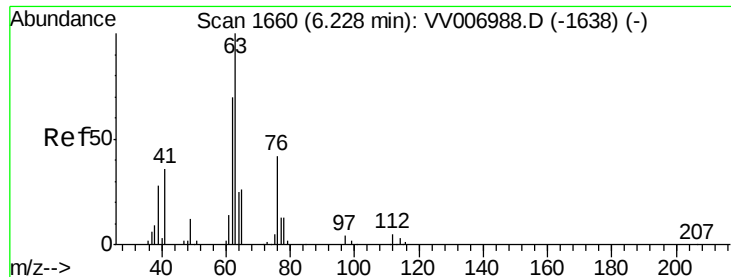
Tgt Ion:	83	Resp:	4585
Ion	Ratio	Lower	Upper
83	100		
55	92.6	68.1	102.1
98	55.3	37.9	56.9

Abundance Ion 83.15 (82.85 to 83.85): VV006996.D (-1552) (-)

Ion 55.10 (54.80 to 55.80): VV006996.D (-1552) (-)

Ion 98.15 (97.85 to 98.85): VV006996.D (-1552) (-)





#37

1,2-Dichloropropane

Concen: 0.17 ug/L

RT: 6.23 min Scan# 1660

Delta R.T. -0.00 min

Lab File: VV006996.D

Acq: 10 Aug 2018 20:55

Instrument :

MSVOA_V

ClientSampled :

MDL07

Tot Ion: 63 Resp: 4061

Ion Ratio Lower Upper

63 100

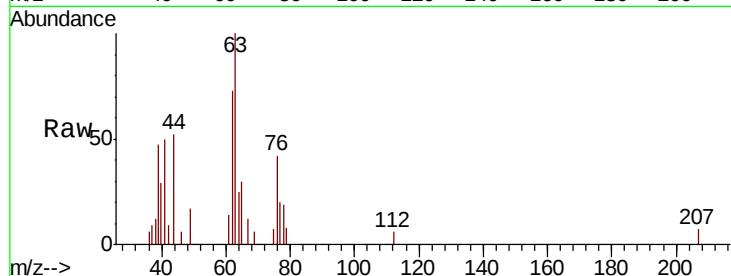
112 4.1 3.5 5.3

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Abundance Ion 63.10 (62.80 to 63.80): VV006996.D (-1638) (-)

Ion 112.10 (111.80 to 112.80): VV006996.D (-1638) (-)

4000

3000

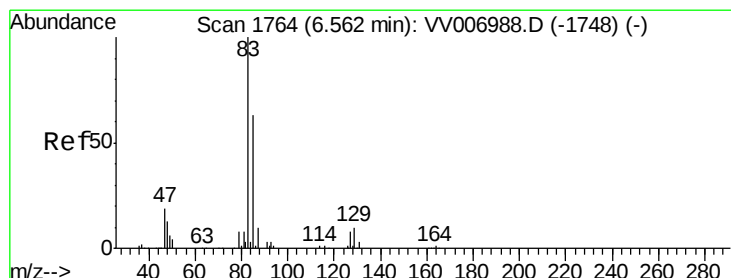
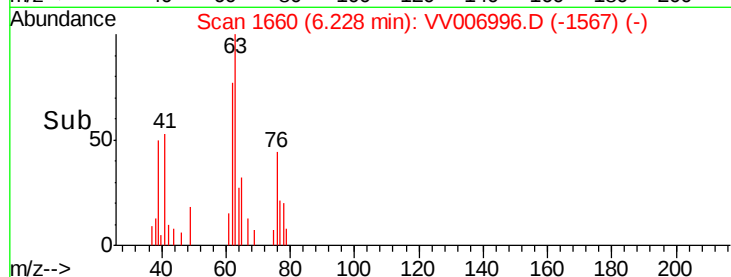
2000

1000

0

6.15 6.20 6.25 6.30

Time-->



#38

Bromodichloromethane

Concen: 0.18 ug/L

RT: 6.56 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VV006996.D

Acq: 10 Aug 2018 20:55

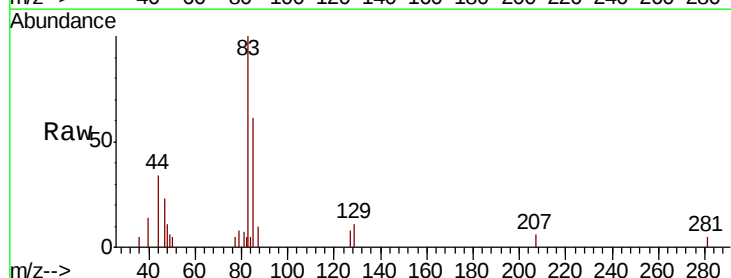
Tgt Ion: 83 Resp: 4677

Ion Ratio Lower Upper

83 100

85 60.9 43.8 81.4

127 8.2 6.6 10.0



Abundance Ion 82.95 (82.65 to 83.65): VV006996.D (-1671) (-)

Ion 85.00 (84.70 to 85.70): VV006996.D (-1671) (-)

Ion 126.90 (126.60 to 127.60): VV006996.D (-1671) (-)

3000

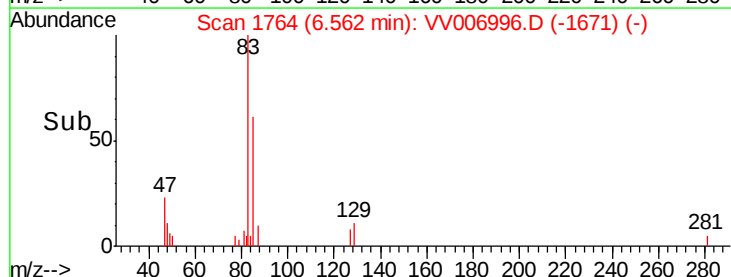
2000

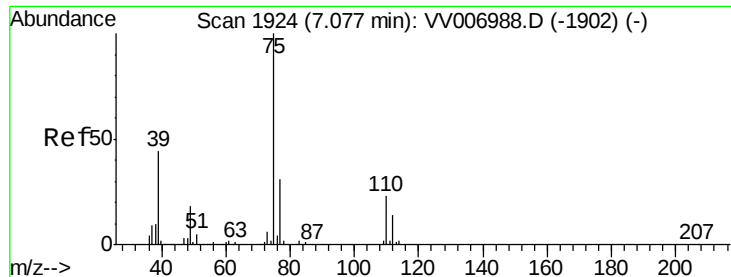
1000

0

6.50 6.55 6.60

Time-->





#39

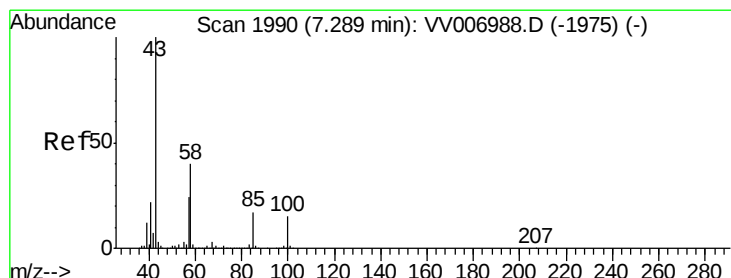
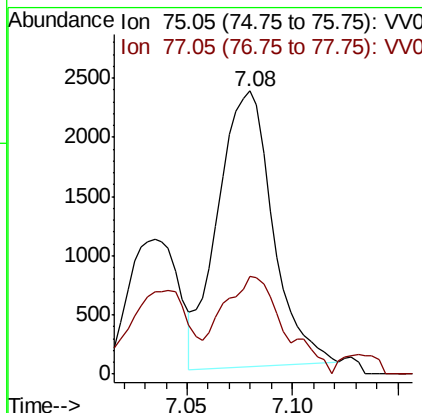
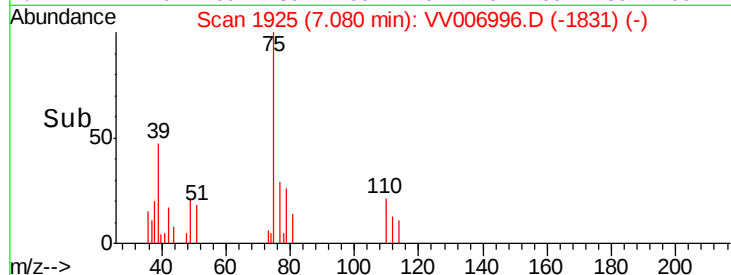
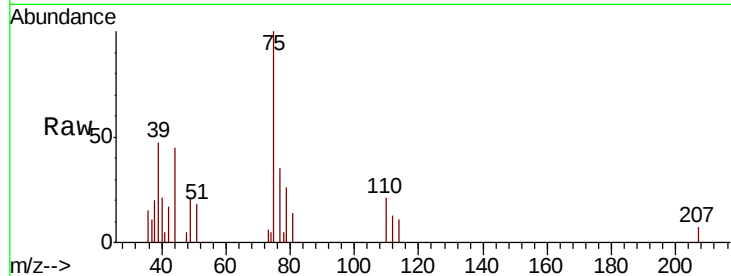
cis-1,3-Dichloropropene
 Concen: 0.15 ug/L
 RT: 7.08 min Scan# 1925
 Delta R.T. 0.00 min
 Lab File: VV006996.D
 Acq: 10 Aug 2018 20:55

Instrument :
 MSVOA_V
 ClientSampled :
 MDL07

Tot Ion	Ratio	Lower	Upper
75	100		
77	34.5	22.0	40.8

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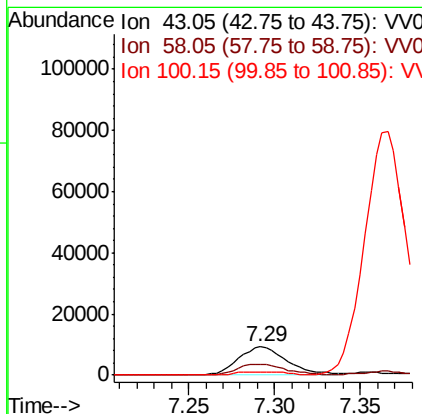
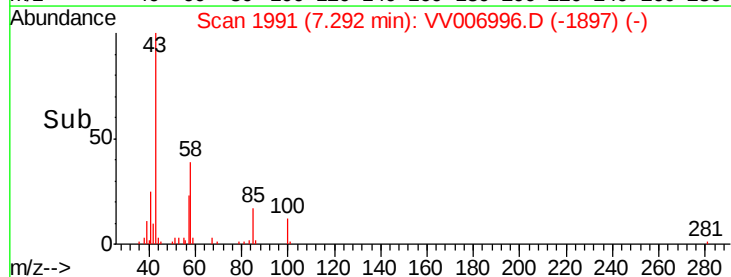
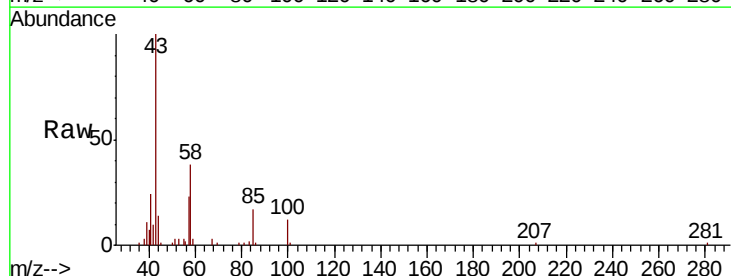
apatel
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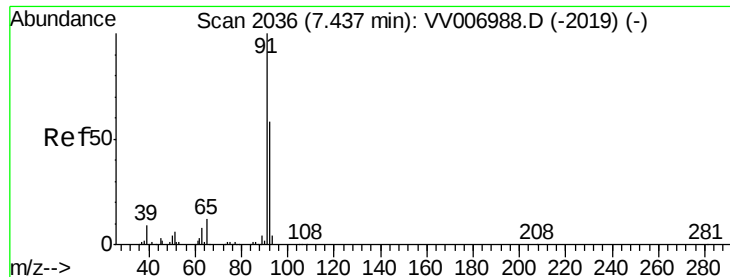


#40

4-Methyl-2-pentanone
 Concen: 1.43 ug/L
 RT: 7.29 min Scan# 1991
 Delta R.T. 0.00 min
 Lab File: VV006996.D
 Acq: 10 Aug 2018 20:55

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.1	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: VV006996.D

Acq: 10 Aug 2018 20:55

Instrument :

MSVOA_V

ClientSampled :

MDL07

Tot Ion: 91 Resp: 12600

Ion Ratio Lower Upper

91 100

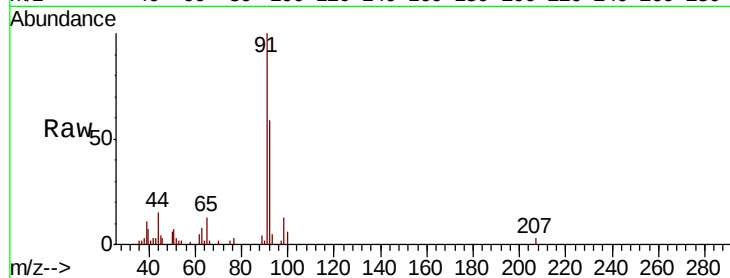
92 59.0 40.2 74.6

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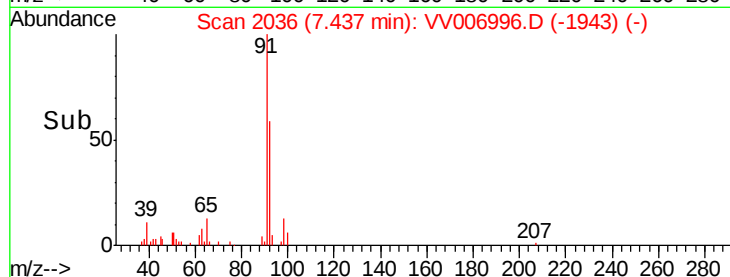
Abundance Ion 91.15 (90.85 to 91.85): VV006988.D (-2019) (-)

Ion 92.15 (91.85 to 92.85): VV006988.D (-2019) (-)

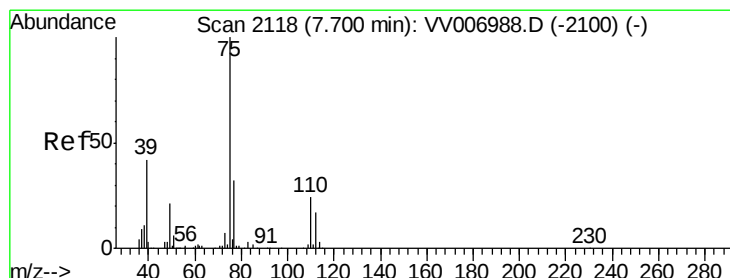
7.44

7.45

7.50



Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.16 ug/L

RT: 7.70 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VV006996.D

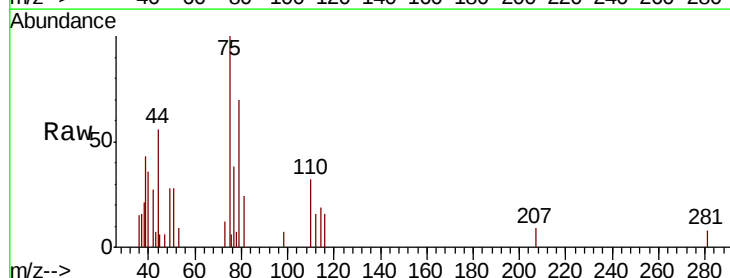
Acq: 10 Aug 2018 20:55

Tgt Ion: 75 Resp: 3670

Ion Ratio Lower Upper

75 100

77 37.6 22.3 41.3



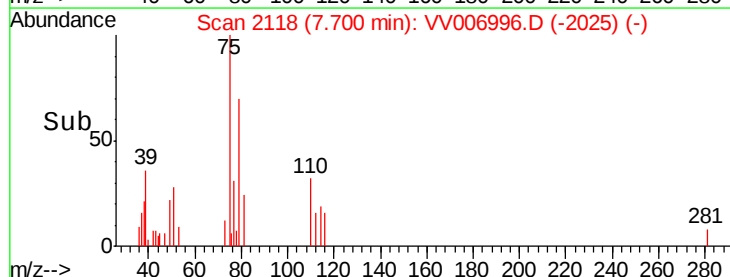
Abundance Ion 75.05 (74.75 to 75.75): VV006988.D (-2100) (-)

Ion 77.05 (76.75 to 77.75): VV006988.D (-2100) (-)

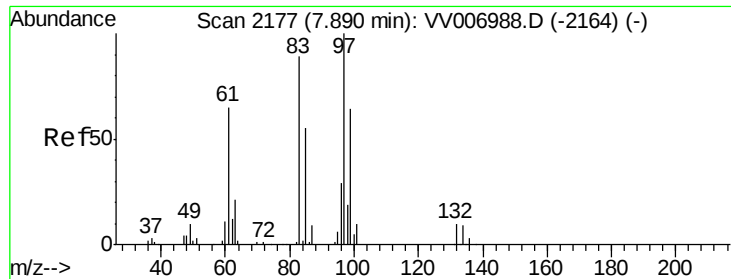
7.70

7.75

7.75



Time-->



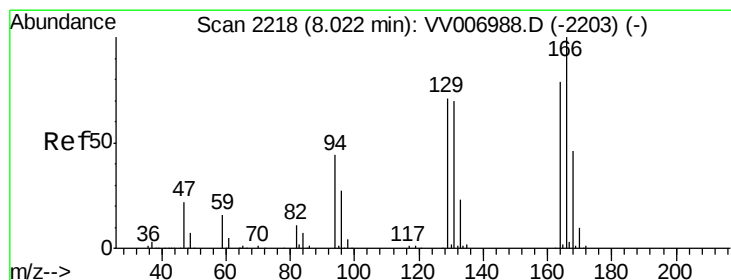
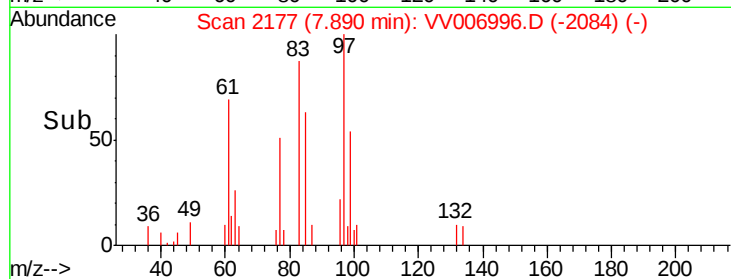
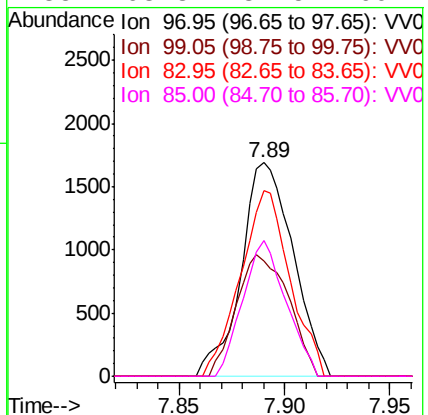
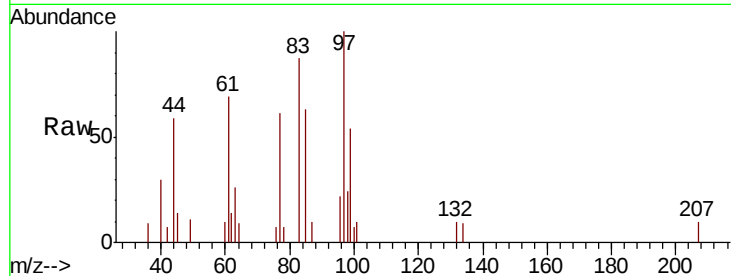
#45
 1,1,2-Trichloroethane
 Concen: 0.19 ug/L
 RT: 7.89 min Scan# 2177
 Delta R.T. -0.00 min
 Lab File: VV006996.D
 Acq: 10 Aug 2018 20:55

Instrument :
 MSVOA_V
 ClientSampled :
 MDL07

Tot Ion:	97	Resp:	2897
Ion	Ratio	Lower	Upper
97	100		
99	54.1	40.6	75.4
83	86.8	58.0	107.8
85	63.3	37.5	69.7

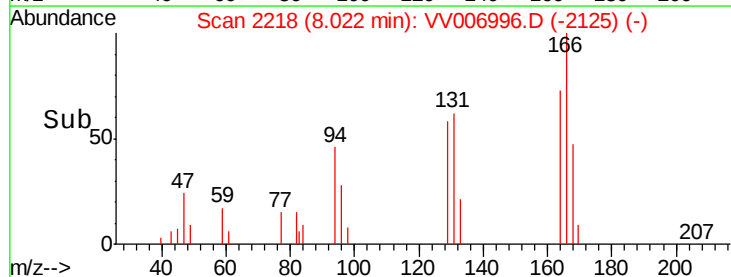
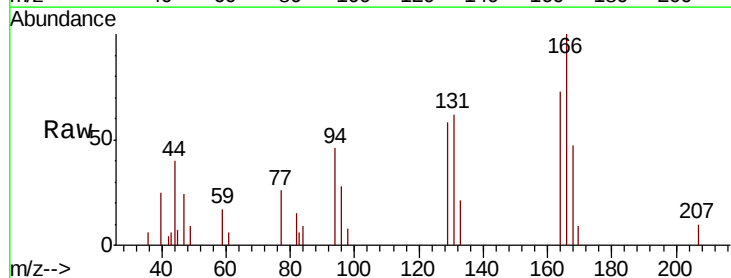
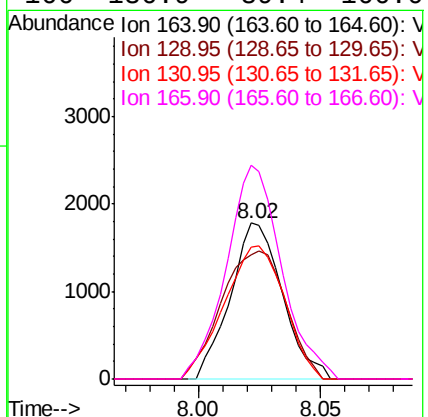
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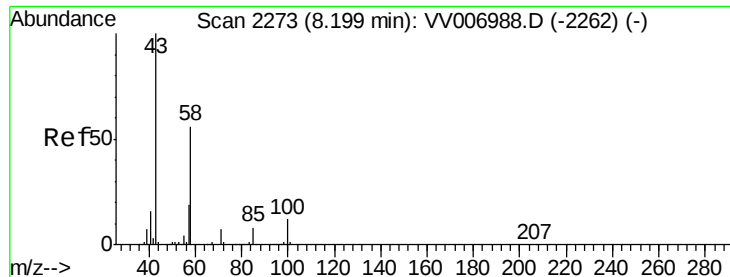
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#47
 Tetrachloroethene
 Concen: 0.16 ug/L
 RT: 8.02 min Scan# 2218
 Delta R.T. -0.00 min
 Lab File: VV006996.D
 Acq: 10 Aug 2018 20:55

Tgt Ion:	164	Resp:	2641
Ion	Ratio	Lower	Upper
164	100		
129	79.4	65.9	122.3
131	84.9	64.2	119.2
166	136.9	89.4	166.0





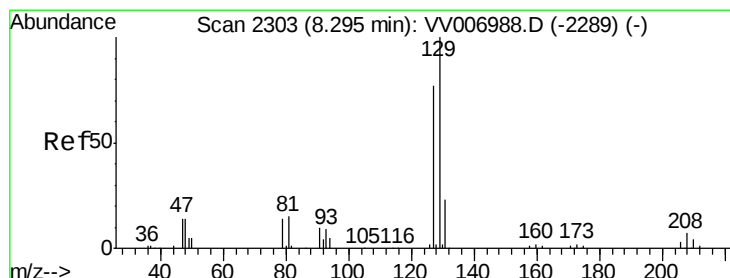
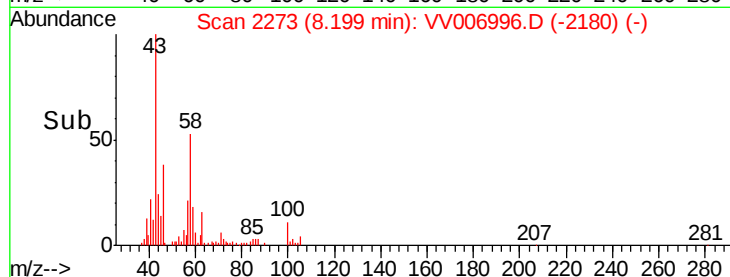
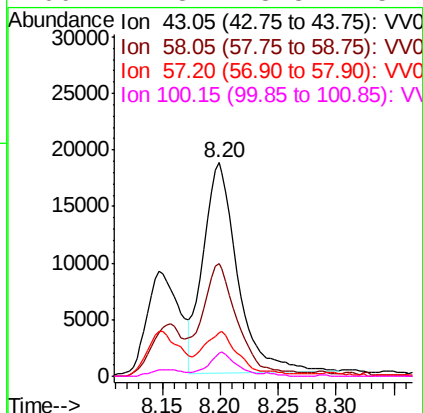
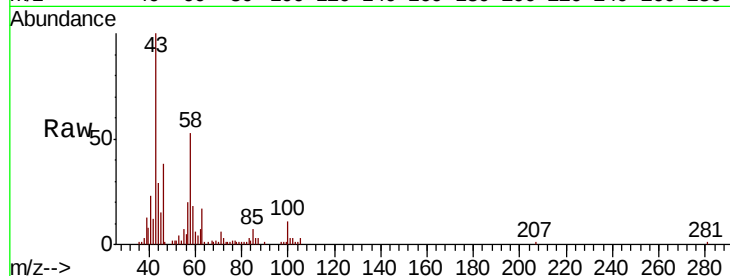
#48
2-Hexanone
Concen: 4.33 ug/L
RT: 8.20 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VV006996.D
Acq: 10 Aug 2018 20:55

Instrument :
MSVOA_V
ClientSampled :
MDL07

Tot Ion	43	Resp	38659
Ion Ratio	Lower	Upper	
43	100		
58	51.7	44.2	66.2
57	18.0	14.8	22.2
100	7.8	8.8	13.2#

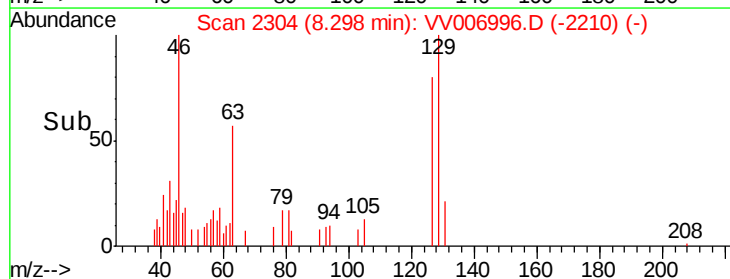
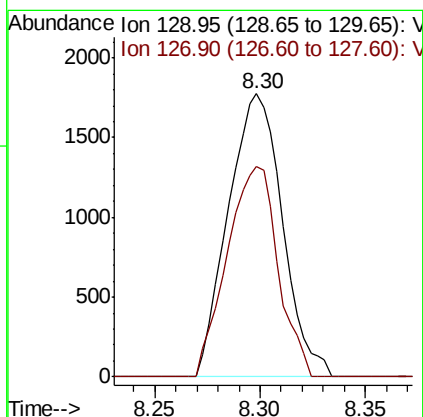
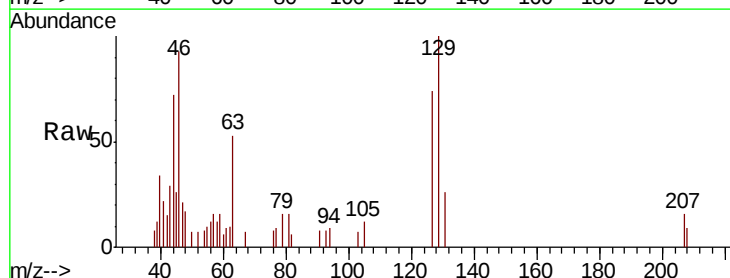
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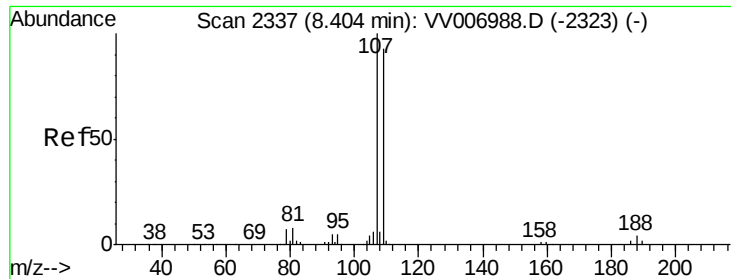
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#49
Dibromochloromethane
Concen: 0.20 ug/L
RT: 8.30 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VV006996.D
Acq: 10 Aug 2018 20:55

Tgt Ion	129	Resp	3167
Ion Ratio	Lower	Upper	
129	100		
127	74.5	53.3	98.9





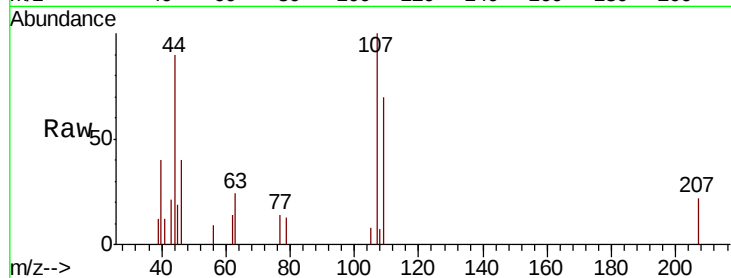
#50
1,2-Dibromoethane
Concen: 0.17 ug/L
RT: 8.41 min Scan# 2338
Delta R.T. 0.00 min
Lab File: VV006996.D
Acq: 10 Aug 2018 20:55

Instrument :
MSVOA_V
ClientSampled :
MDL07

Tot Ion	Ratio	Resp	Lower	Upper
107	100	2228		
109	70.1	64.1	119.1	
188	0.0	4.0	6.0	

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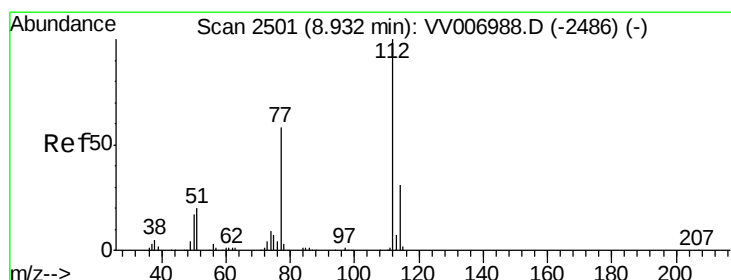
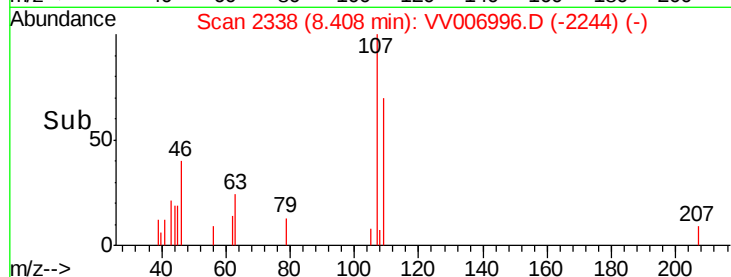
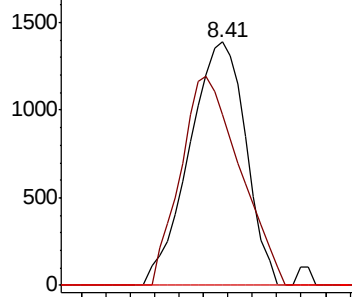


Abundance

Ion 106.95 (106.65 to 107.65): V

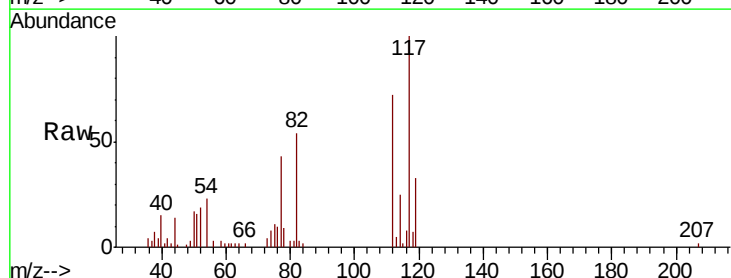
Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V



#51
Chlorobenzene
Concen: 0.17 ug/L
RT: 8.93 min Scan# 2501
Delta R.T. -0.00 min
Lab File: VV006996.D
Acq: 10 Aug 2018 20:55

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	9091		
114	34.3	21.8	40.6	
77	59.1	48.0	72.0	

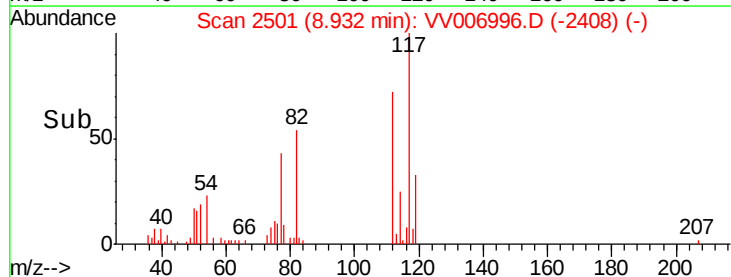
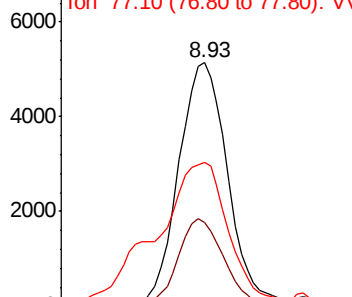


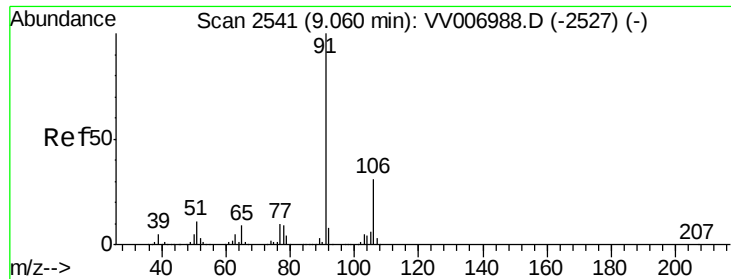
Abundance

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): VV0





#52

Ethylbenzene

Concen: 0.15 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. -0.00 min

Lab File: VV006996.D

Acq: 10 Aug 2018 20:55

Instrument :

MSVOA_V

ClientSampled :

MDL07

Tot Ion: 91 Resp: 12561

Ion Ratio Lower Upper

91 100

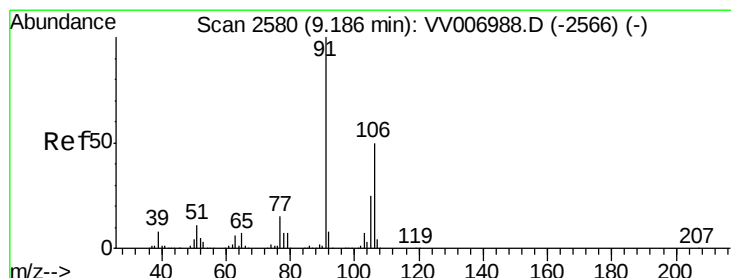
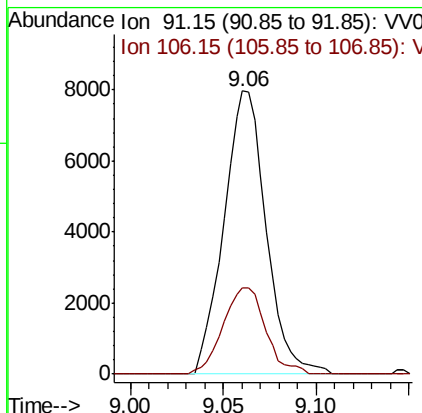
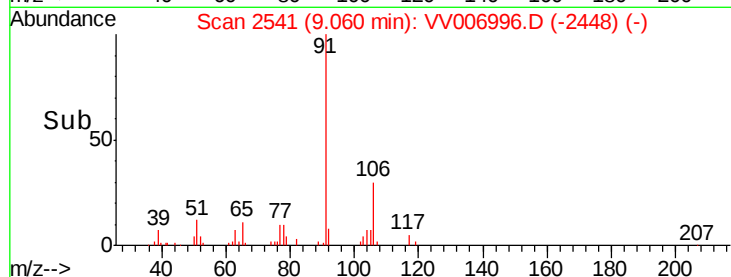
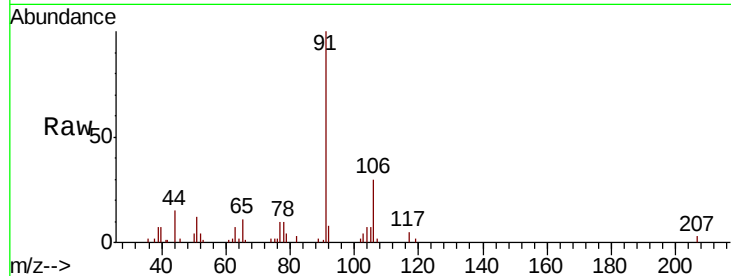
106 30.4 21.3 39.5

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#53

m,p-xylene

Concen: 0.14 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. -0.00 min

Lab File: VV006996.D

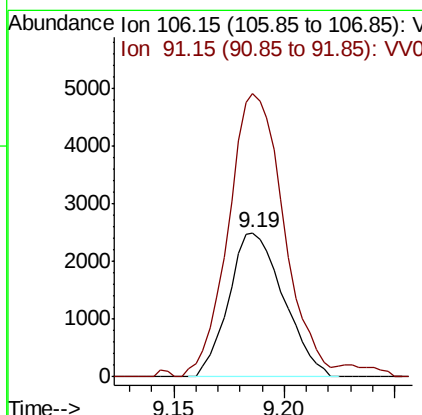
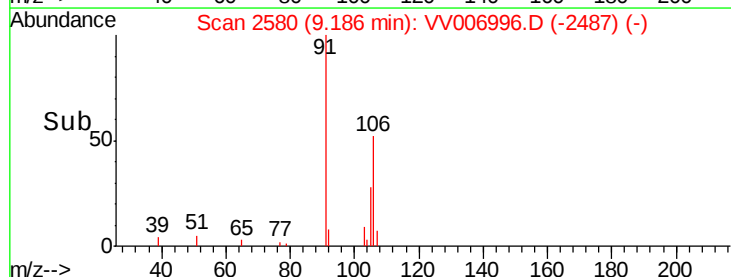
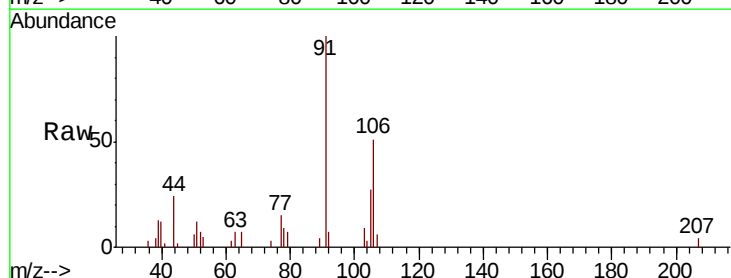
Acq: 10 Aug 2018 20:55

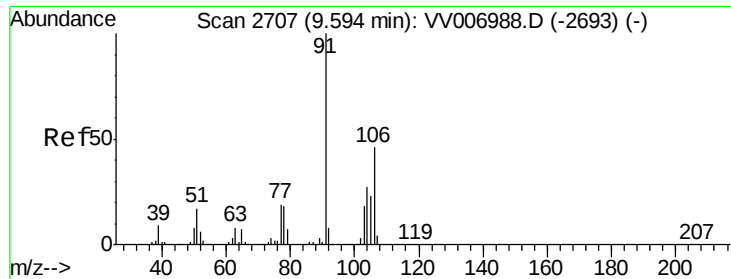
Tgt Ion: 106 Resp: 4303

Ion Ratio Lower Upper

106 100

91 196.5 141.6 263.0





#54

o-xylene

Concen: 0.14 ug/L

RT: 9.59 min Scan# 2707

Delta R.T. -0.00 min

Lab File: VV006996.D

Acq: 10 Aug 2018 20:55

Instrument :

MSVOA_V

ClientSampleId :

MDL07

Tot Ion:106 Resp: 4062

Ion Ratio Lower Upper

106 100

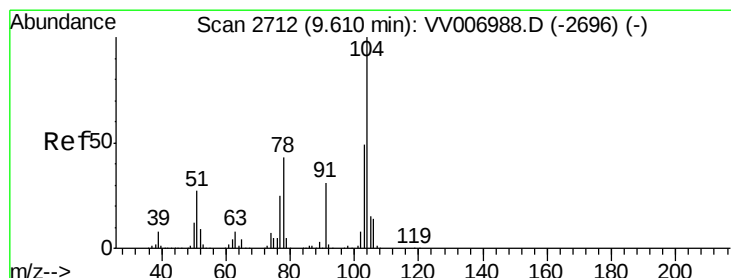
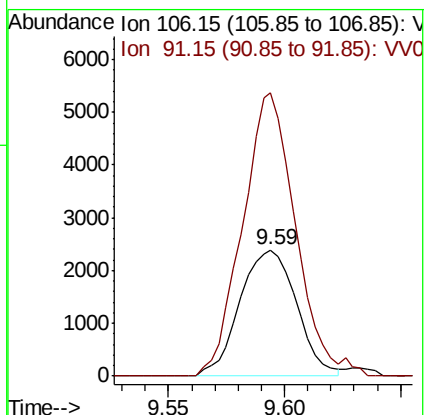
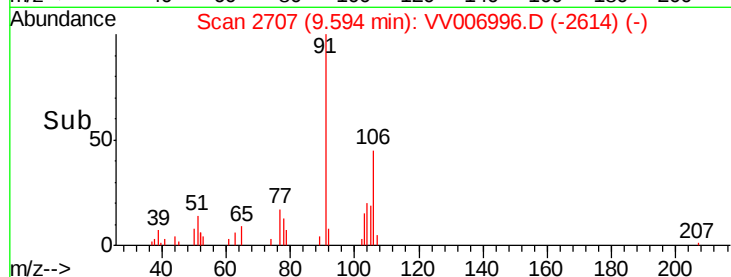
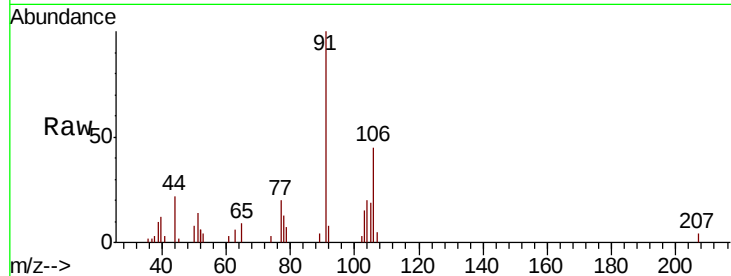
91 224.5 149.8 278.2

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#55

Styrene

Concen: 0.13 ug/L

RT: 9.61 min Scan# 2712

Delta R.T. -0.00 min

Lab File: VV006996.D

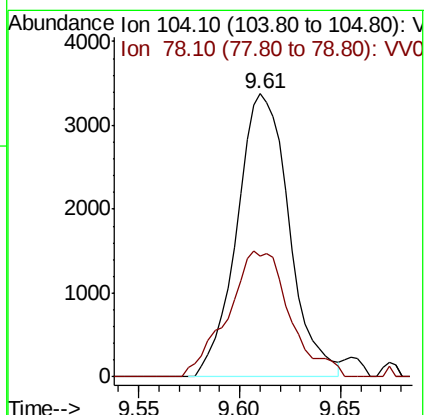
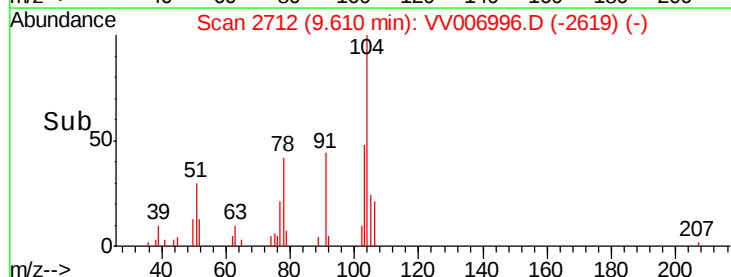
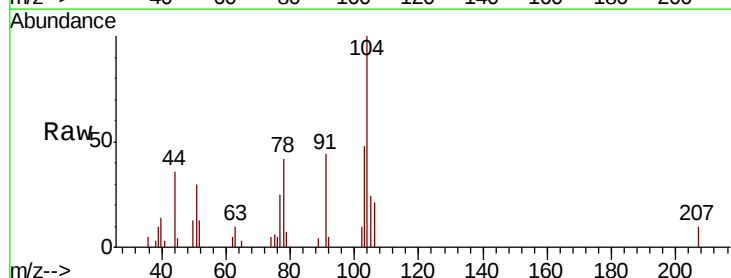
Acq: 10 Aug 2018 20:55

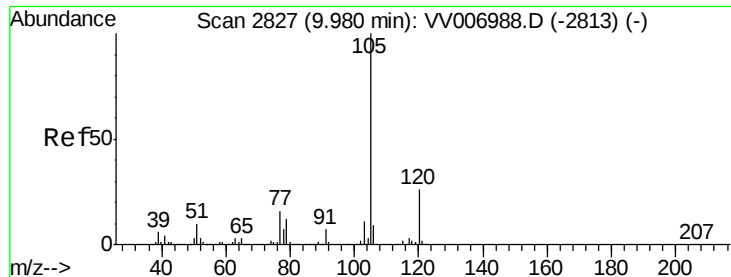
Tgt Ion:104 Resp: 6123

Ion Ratio Lower Upper

104 100

78 42.5 30.4 56.5





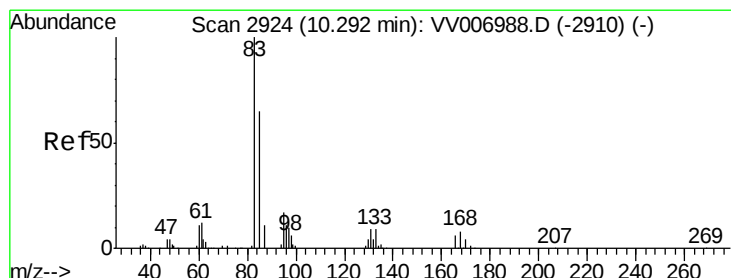
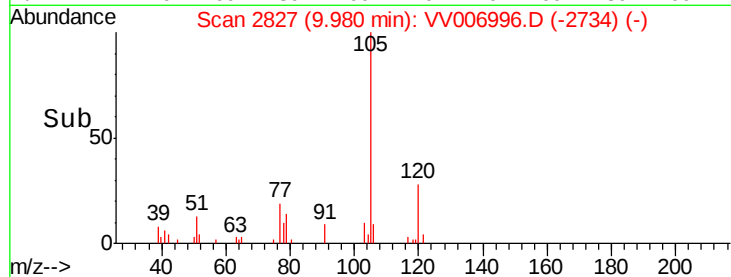
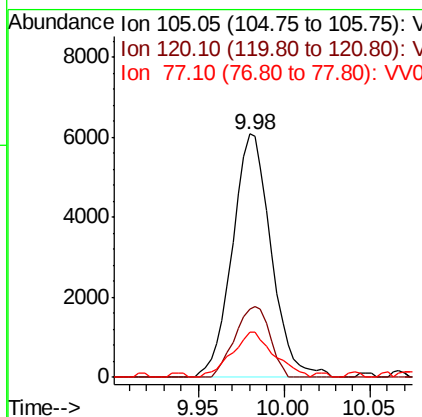
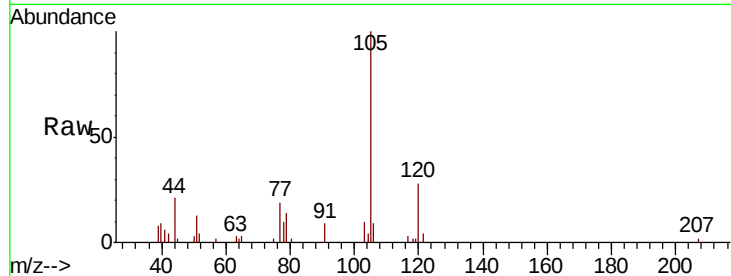
#56
Isopropylbenzene
Concen: 0.13 ug/L
RT: 9.98 min Scan# 2827
Delta R.T. -0.00 min
Lab File: VV006996.D
Acq: 10 Aug 2018 20:55

Instrument :
MSVOA_V
ClientSampled :
MDL07

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.1	21.1	31.7
77	20.1	13.0	19.4

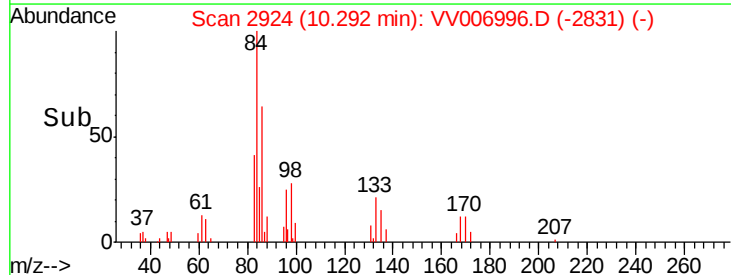
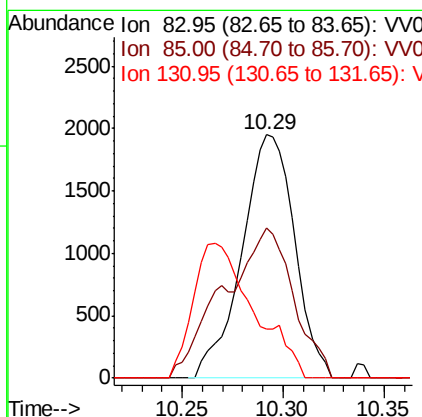
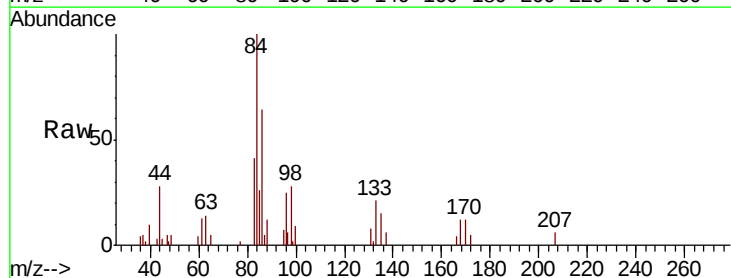
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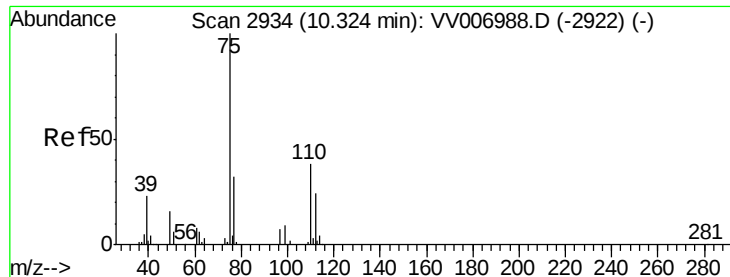
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#58
1,1,2,2-Tetrachloroethane
Concen: 0.19 ug/L
RT: 10.29 min Scan# 2924
Delta R.T. -0.00 min
Lab File: VV006996.D
Acq: 10 Aug 2018 20:55

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.9	43.0	79.8
131	20.2	7.4	11.2





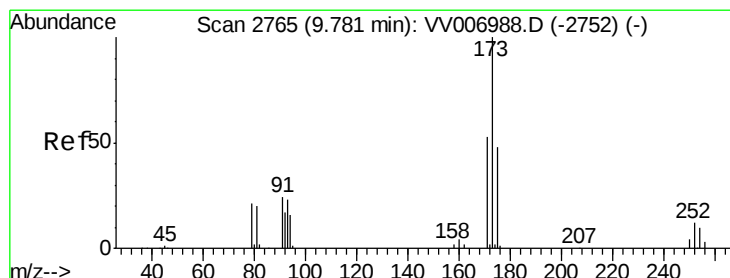
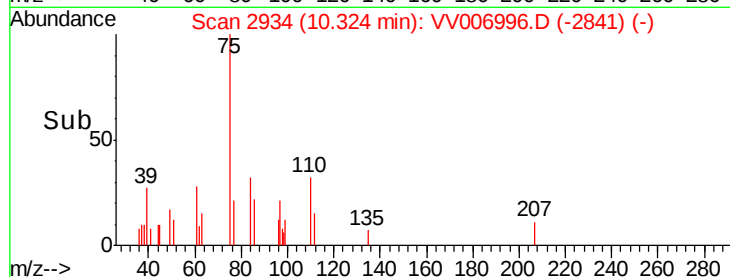
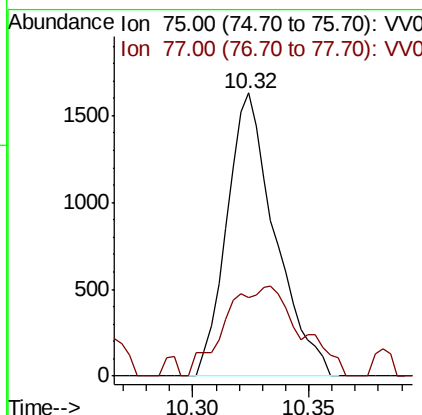
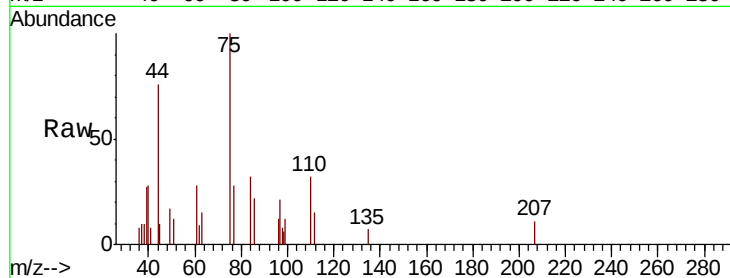
#59
 1,2,3-Trichloropropane
 Concen: 0.18 ug/L
 RT: 10.32 min Scan# 2934
 Delta R.T. -0.00 min
 Lab File: VV006996.D
 Acq: 10 Aug 2018 20:55

Instrument :
 MSVOA_V
 ClientSampled :
 MDL07

Tot Ion: 75 Resp: 2350
 Ion Ratio Lower Upper
 75 100
 77 49.5 25.4 38.0#

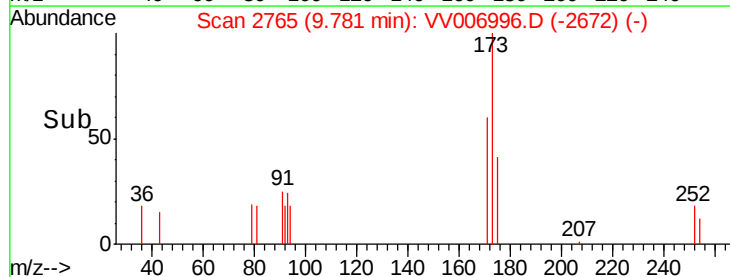
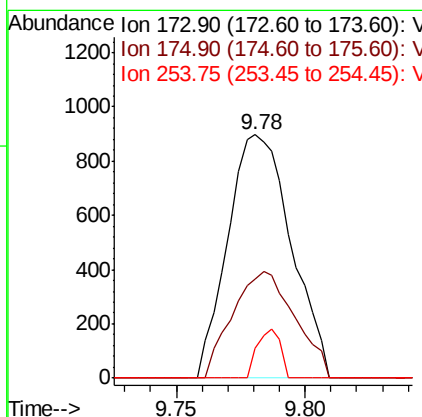
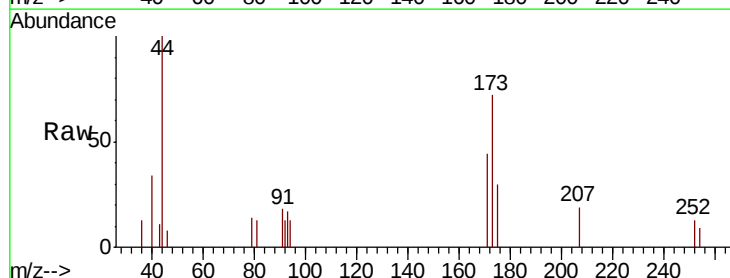
Manual Integrations
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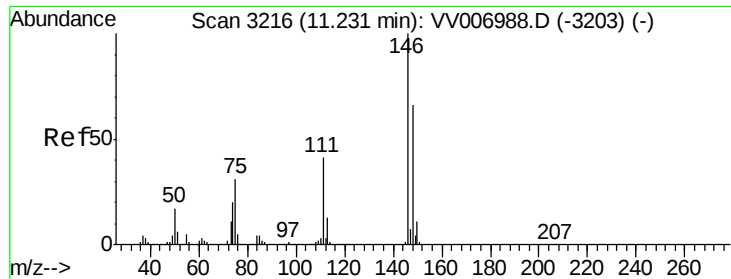
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#61
 Bromoform
 Concen: 0.21 ug/L
 RT: 9.78 min Scan# 2765
 Delta R.T. -0.00 min
 Lab File: VV006996.D
 Acq: 10 Aug 2018 20:55

Tgt Ion: 173 Resp: 1536
 Ion Ratio Lower Upper
 173 100
 175 43.2 39.3 58.9
 254 7.5 8.3 12.5#





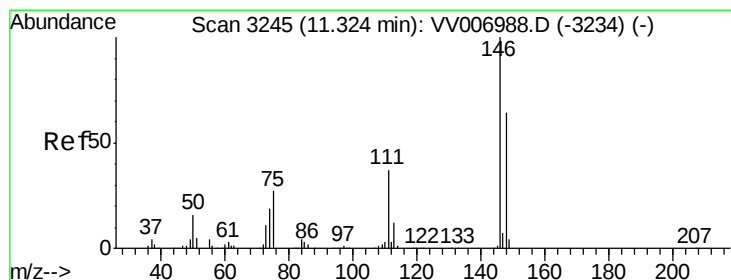
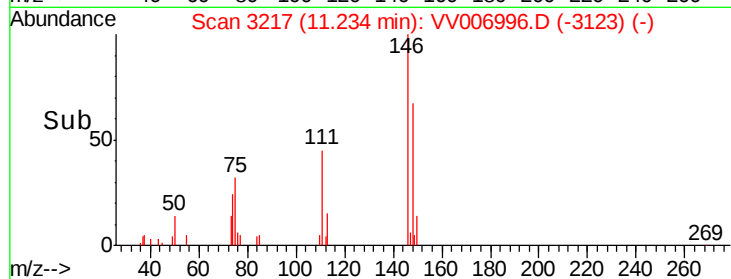
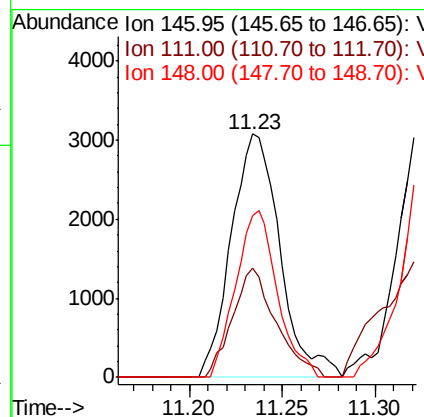
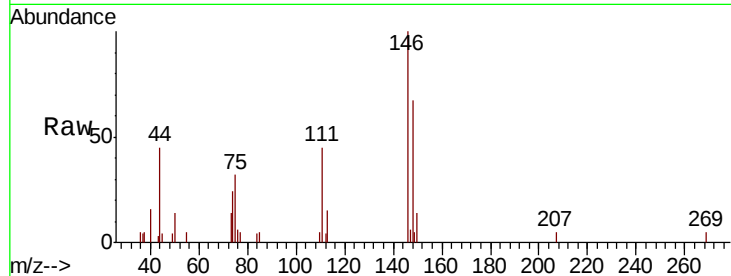
#62
 1,3-Dichlorobenzene
 Concen: 0.18 ug/L
 RT: 11.23 min Scan# 3217
 Delta R.T. 0.00 min
 Lab File: VV006996.D
 Acq: 10 Aug 2018 20:55

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL07

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.6	28.1	52.3
148	66.5	44.2	82.2

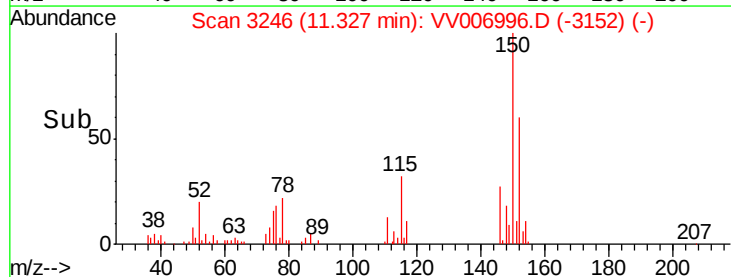
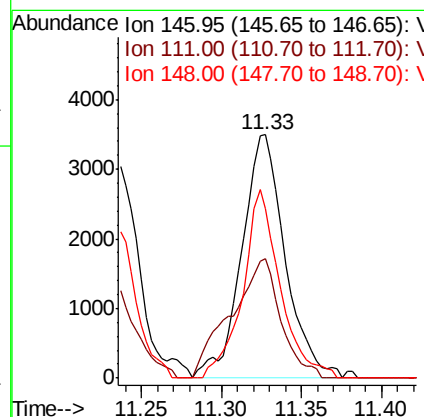
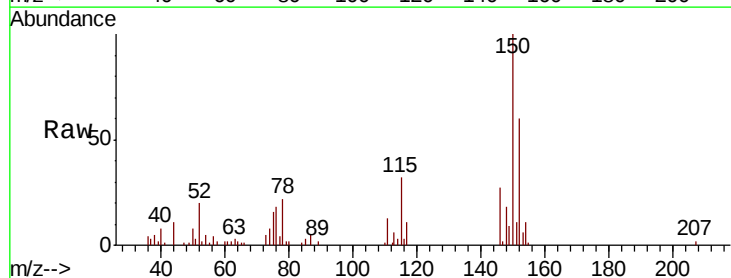
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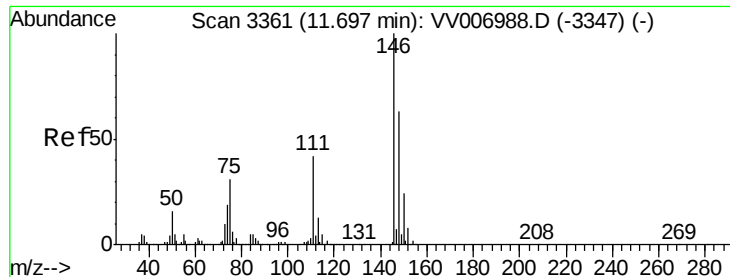
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#63
 1,4-Dichlorobenzene
 Concen: 0.20 ug/L
 RT: 11.33 min Scan# 3246
 Delta R.T. 0.00 min
 Lab File: VV006996.D
 Acq: 10 Aug 2018 20:55

Tgt Ion	Ratio	Lower	Upper
146	100		
111	49.1	26.6	49.4
148	69.7	46.4	86.2





#65

1,2-Dichlorobenzene

Concen: 0.20 ug/L

RT: 11.69 min Scan# 3360

Delta R.T. -0.00 min

Lab File: VV006996.D

Acq: 10 Aug 2018 20:55

Instrument :

MSVOA_V

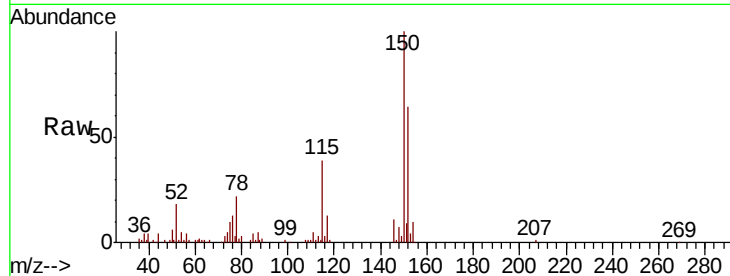
ClientSampled :

MDL07

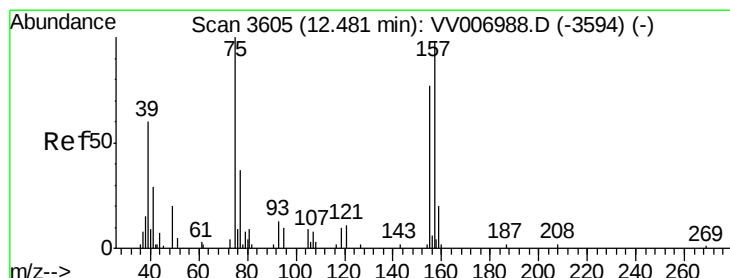
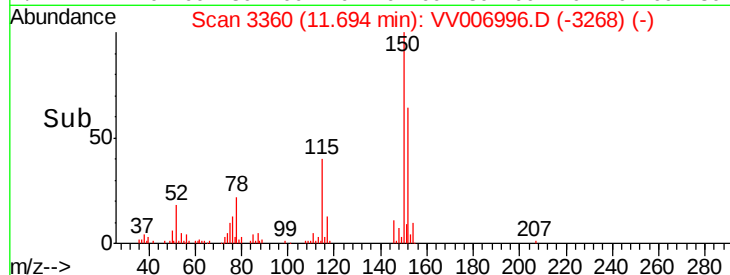
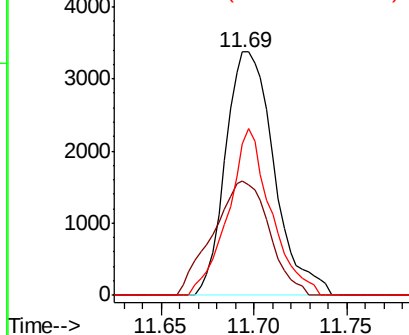
Tot Ion:	146	Resp:	6124
Ion Ratio	Lower	Upper	
146	100		
111	47.0	33.0	49.6
148	62.3	50.6	75.8

Manual Integrations
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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: 0.19 ug/L m

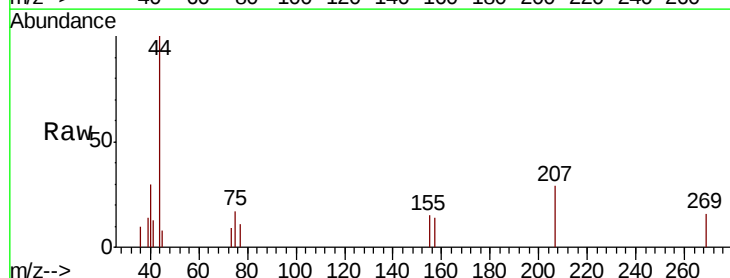
RT: 12.49 min Scan# 3608

Delta R.T. 0.01 min

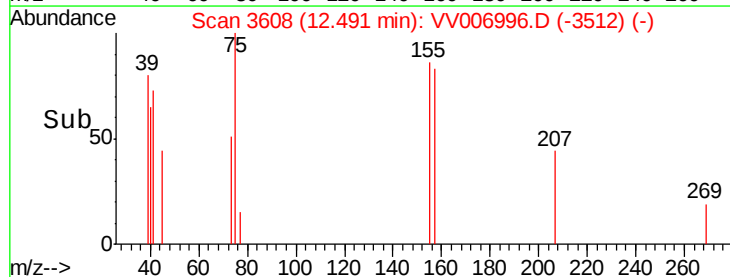
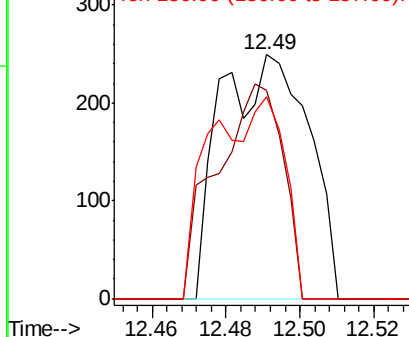
Lab File: VV006996.D

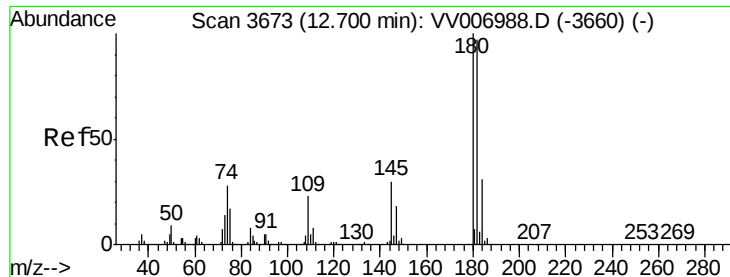
Acq: 10 Aug 2018 20:55

Tgt Ion:	75	Resp:	413
Ion Ratio	Lower	Upper	
75	100		
155	85.5	62.6	94.0
157	83.1	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: 0.17 ug/L

RT: 12.70 min Scan# 3673

Delta R.T. -0.00 min

Lab File: VV006996.D

Acq: 10 Aug 2018 20:55

Instrument :

MSVOA_V

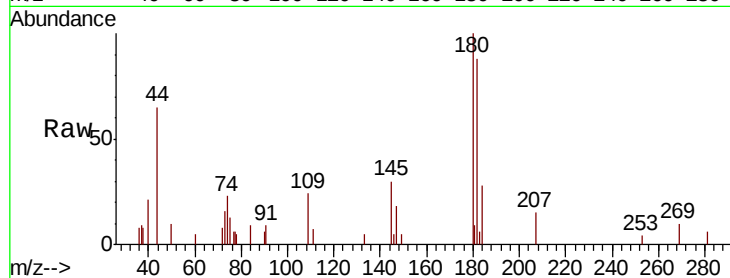
ClientSampled :

MDL07

Tot Ion:	180	Resp:	4177
Ion	Ratio	Lower	Upper
180	100		
182	92.7	75.1	112.7
184	30.3	23.8	35.8
145	26.6	21.9	32.9

Manual Integrations
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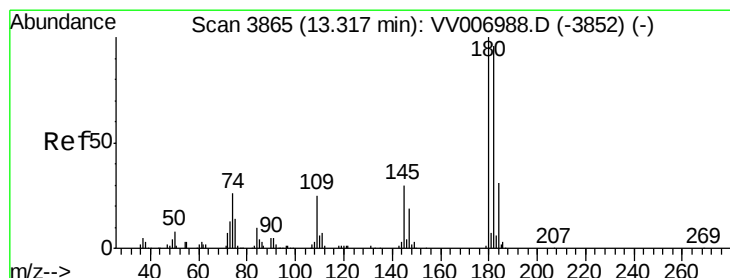
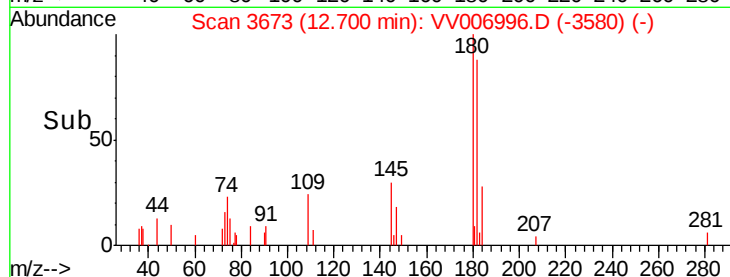
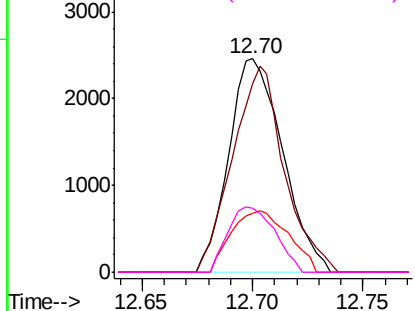
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68

1,2,4-trichlorobenzene

Concen: 0.15 ug/L

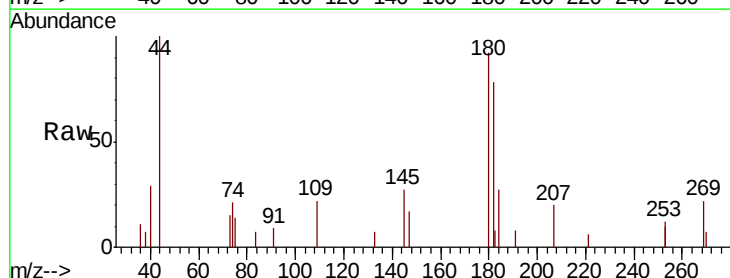
RT: 13.32 min Scan# 3866

Delta R.T. 0.00 min

Lab File: VV006996.D

Acq: 10 Aug 2018 20:55

Tgt Ion:	180	Resp:	2564
Ion	Ratio	Lower	Upper
180	100		
182	86.9	76.5	114.7
145	31.2	23.6	35.4

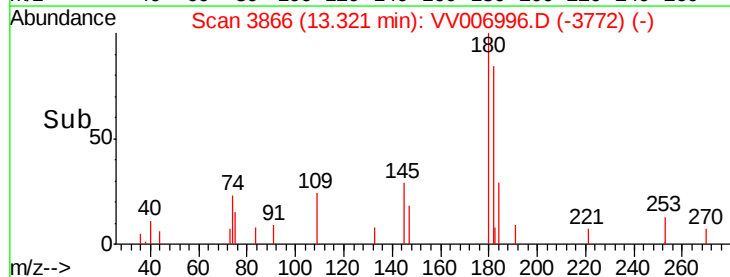
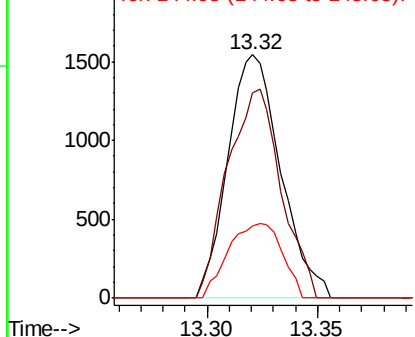


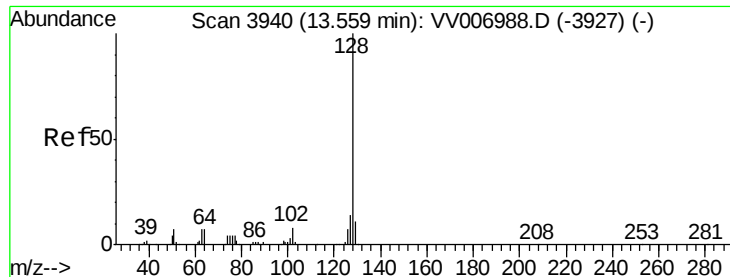
Abundance

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: 0.12 ug/L

RT: 13.56 min Scan# 3942

Delta R.T. 0.01 min

Lab File: VV006996.D

Acq: 10 Aug 2018 20:55

Instrument :

MSVOA_V

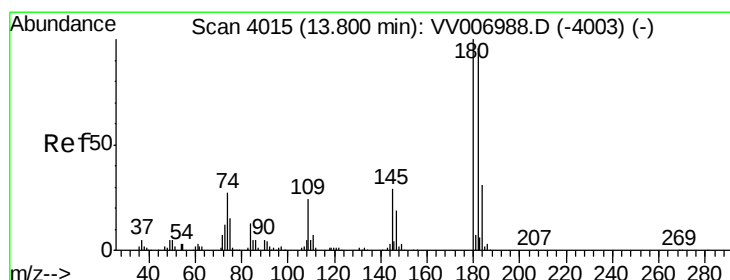
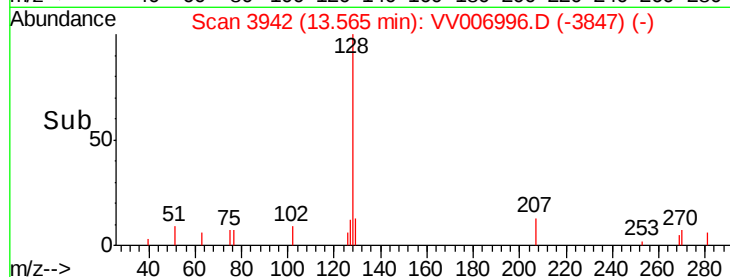
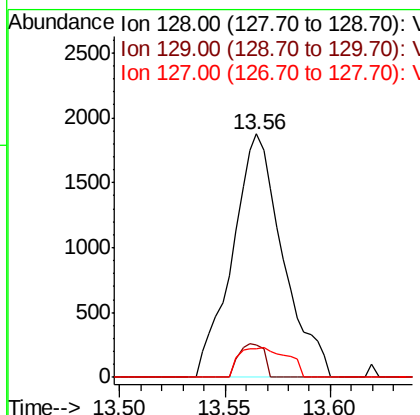
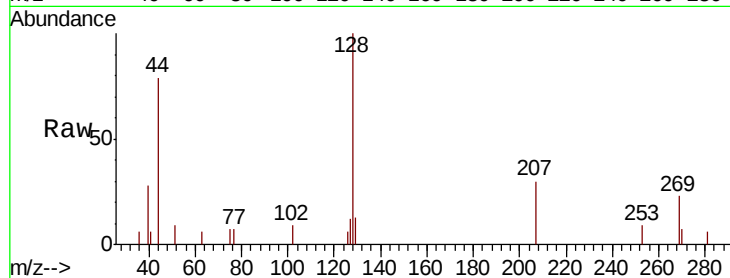
ClientSampleId :

MDL07

Tot Ion	Ratio	Lower	Upper
128	100		
129	6.9	8.5	12.7#
127	11.7	10.6	16.0

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#70

1,2,3-Trichlorobenzene

Concen: 0.15 ug/L

RT: 13.80 min Scan# 4016

Delta R.T. 0.00 min

Lab File: VV006996.D

Acq: 10 Aug 2018 20:55

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.5	76.1	114.1
145	19.5	24.6	36.8#

