

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV102418\
 Data File : VV008403.D
 Acq On : 24 Oct 2018 19:47
 Operator : SY/MD
 Sample : MDL05
 Misc : 5.00G/5.0mL/100uL/5.0 mL/MSVOA_V/MEOH
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

Manual Integrations
 APPROVED

apatel
 10/25/2018 4:41:14 PM

Quant Time: Oct 25 09:29:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102318WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 25 09:16:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	194598	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	176370	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	73761	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	44436	41.24	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.48%
7) Chloroethane-d5	1.56	69	35479	45.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.22%
11) 1,1-Dichloroethene-d2	2.13	63	63751	32.76	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	65.52%
21) 2-Butanone-d5	3.93	46	116946	99.87	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.87%
24) Chloroform-d	4.41	84	118070	44.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.86%
26) 1,2-Dichloroethane-d4	5.09	65	83420	46.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.90%
32) Benzene-d6	5.10	84	234090	46.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.16%
36) 1,2-Dichloropropane-d6	6.12	67	81364	46.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.28%
41) Toluene-d8	7.36	98	208281	45.64	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.28%
43) trans-1,3-Dichloropropene-	7.67	79	39051	46.07	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.14%
47) 2-Hexanone-d5	8.14	63	87231	95.76	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.76%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	115082	48.71	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.42%
64) 1,2-Dichlorobenzene-d4	11.68	152	71519	47.40	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	3745	2.695 ug/L	98
3) Chloromethane	1.25	50	4312	2.897 ug/L	99
5) Vinyl chloride	1.33	62	3858	2.797 ug/L #	75
6) Bromomethane	1.52	94	1133	2.994 ug/L	92
8) Chloroethane	1.59	64	2614	3.608 ug/L	93
9) Trichlorofluoromethane	1.76	101	4934	2.780 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	3012	3.248 ug/L	93
12) 1,1-Dichloroethene	2.14	96	3065	3.510 ug/L #	1
13) Acetone	2.19	43	5122	5.636 ug/L	95
14) Carbon disulfide	2.32	76	11142	2.833 ug/L	99
15) Methyl Acetate	2.46	43	5759	3.178 ug/L	96
16) Methylene chloride	2.54	84	4312	2.851 ug/L	96
17) trans-1,2-Dichloroethene	2.80	96	3772	2.834 ug/L	94
18) Methyl tert-butyl Ether	2.81	73	13824	2.902 ug/L	99
19) 1,1-Dichloroethane	3.23	63	7535	2.745 ug/L	98
20) cis-1,2-Dichloroethene	3.97	96	4212	2.778 ug/L	93
22) 2-Butanone	4.03	43	6382	4.861 ug/L	94

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 QLast Update : Thu Oct 25 09:16:23 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	4.31	128	1874m	2.621	ug/L	
25) Chloroform	4.43	83	8235	3.073	ug/L	91
27) 1,2-Dichloroethane	5.19	62	6820	3.047	ug/L #	94
29) Cyclohexane	4.73	56	7239	2.819	ug/L	99
30) 1,1,1-Trichloroethane	4.67	97	6550	2.864	ug/L	95
31) Carbon tetrachloride	4.88	117	5062	2.608	ug/L	97
33) Benzene	5.15	78	17100	2.966	ug/L	100
34) Trichloroethene	5.96	95	4222	2.860	ug/L	97
35) Methylcyclohexane	6.18	83	6850	2.730	ug/L	96
37) 1,2-Dichloropropane	6.23	63	4839	3.039	ug/L #	89
38) Bromodichloromethane	6.56	83	5295	2.610	ug/L	92
39) cis-1,3-Dichloropropene	7.08	75	7352	2.937	ug/L	98
40) 4-Methyl-2-pentanone	7.28	43	13353	5.663	ug/L	99
42) Toluene	7.44	91	17393	2.904	ug/L	99
44) trans-1,3-Dichloropropene	7.70	75	6975	2.978	ug/L	98
45) 1,1,2-Trichloroethane	7.89	97	3963	2.815	ug/L	98
46) Tetrachloroethene	8.02	164	2700	2.806	ug/L	95
48) 2-Hexanone	8.19	43	10353	5.690	ug/L	97
49) Dibromochloromethane	8.29	129	3838	2.537	ug/L	91
50) 1,2-Dibromoethane	8.40	107	4021	2.723	ug/L #	93
51) Chlorobenzene	8.93	112	10657	2.890	ug/L	97
52) Ethylbenzene	9.06	91	18966	2.827	ug/L	100
53) m,p-Xylene	9.19	106	6744	2.752	ug/L	91
54) o-xylene	9.59	106	6982	2.853	ug/L	96
55) Styrene	9.61	104	11212	2.719	ug/L	99
56) Isopropylbenzene	9.98	105	17315	2.704	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	7440	3.018	ug/L #	95
59) 1,2,3-Trichloropropane	10.32	75	5640	2.826	ug/L	96
61) Bromoform	9.78	173	2684	2.884	ug/L #	94
62) 1,3-Dichlorobenzene	11.23	146	6858	2.812	ug/L	97
63) 1,4-Dichlorobenzene	11.32	146	6808	2.785	ug/L	95
65) 1,2-Dichlorobenzene	11.69	146	7283	2.929	ug/L	90
66) 1,2-Dibromo-3-chloropropan	12.48	75	1422	2.781	ug/L #	81
67) 1,3,5-Trichlorobenzene	12.70	180	4038	2.536	ug/L	97
68) 1,2,4-trichlorobenzene	13.32	180	2364	1.835	ug/L	96
69) Naphthalene	13.56	128	6505	1.561	ug/L #	88
70) 1,2,3-Trichlorobenzene	13.80	180	2583	2.006	ug/L	93

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

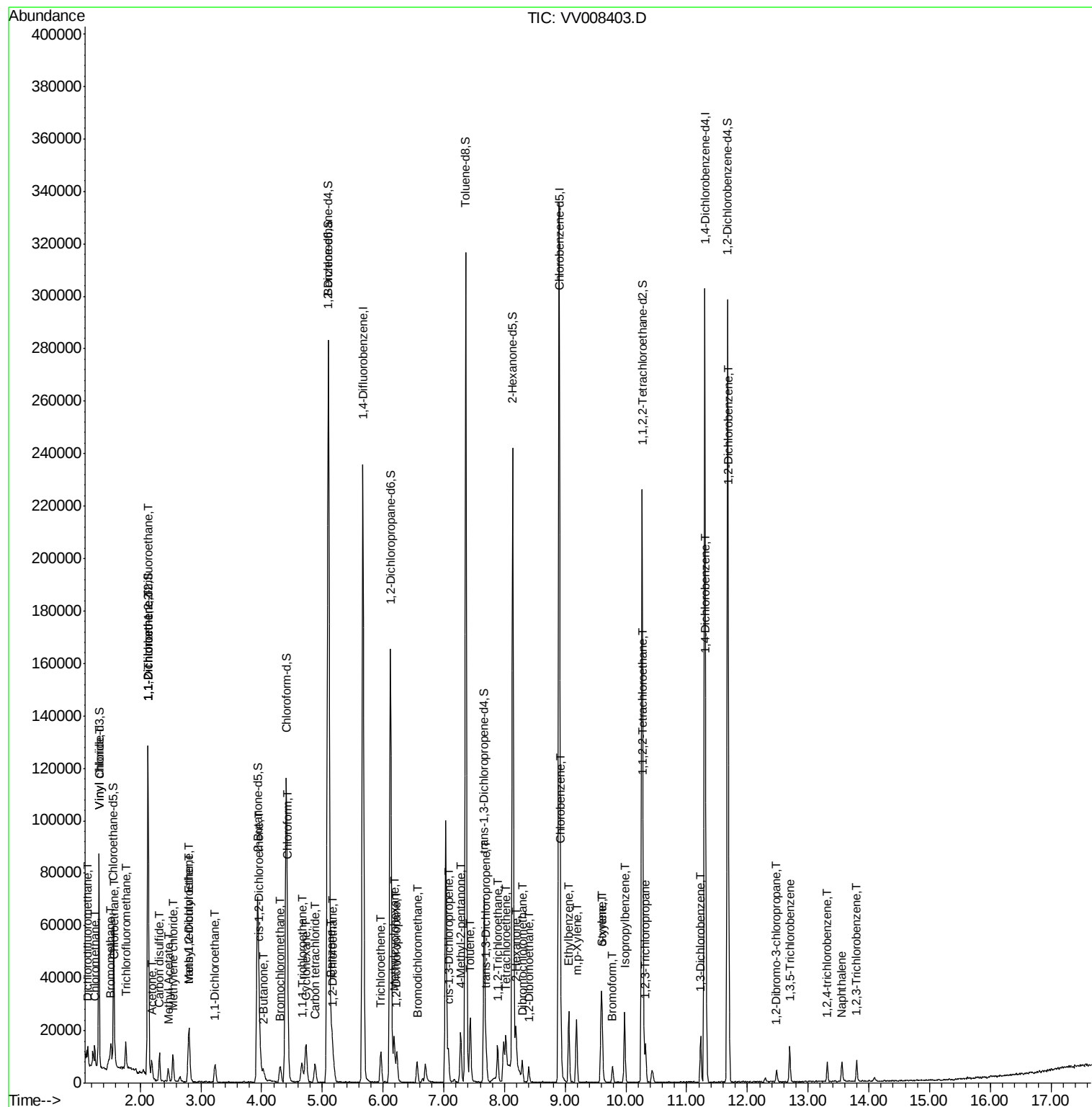
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV102418\
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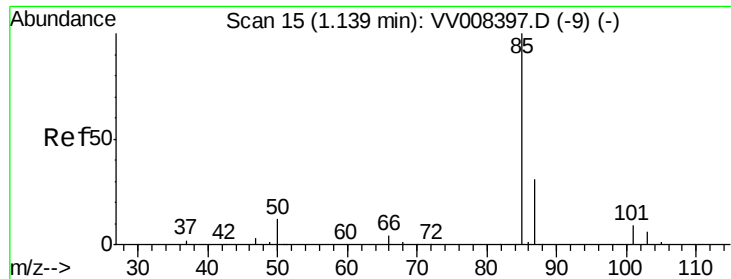
Instrument :
MSVOA_V
ClientSampleID :
MDL05

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Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 2.695 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV008403.D

Acq: 24 Oct 2018 19:47

Tgt Ion: 85 Resp: 3745

Ion Ratio Lower Upper

85 100

87 30.6 25.4 38.2

Instrument :

MSVOA_V

ClientSampleId :

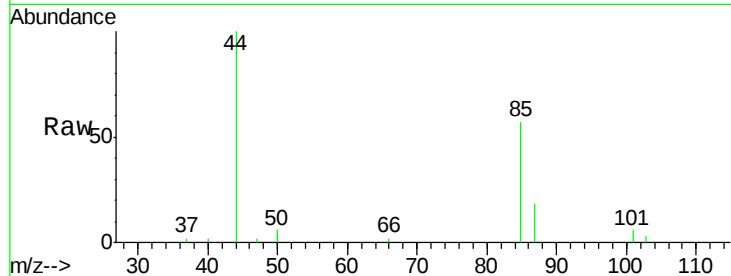
MDL05

Manual Integrations

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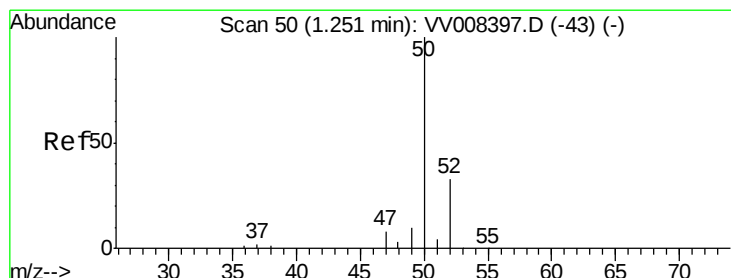
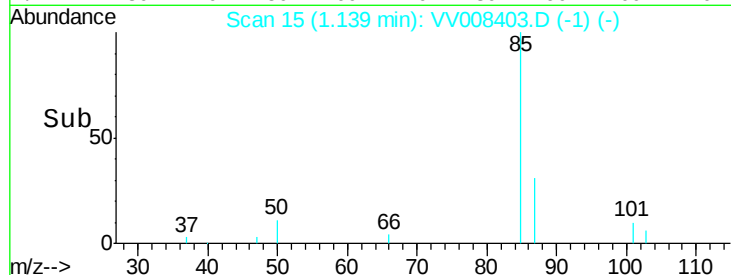
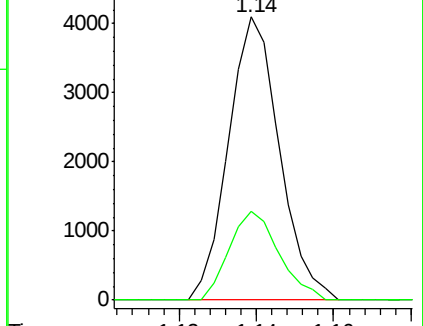
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Abundance Ion 85.00 (84.70 to 85.70): VV008403.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV008403.D (-1) (-)



#3

Chloromethane

Concen: 2.897 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV008403.D

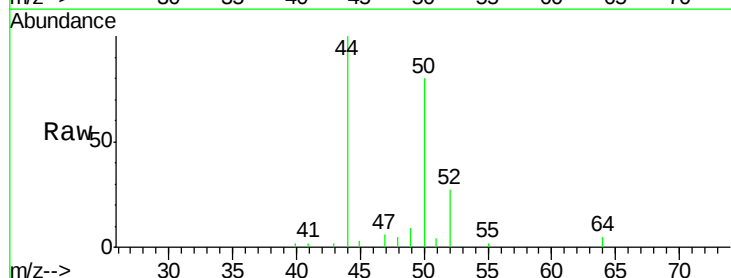
Acq: 24 Oct 2018 19:47

Tgt Ion: 50 Resp: 4312

Ion Ratio Lower Upper

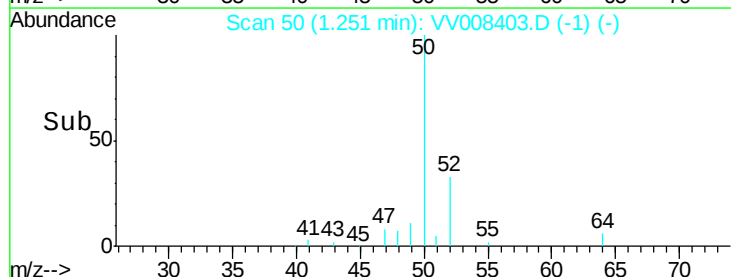
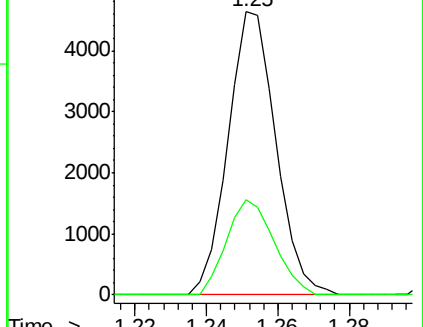
50 100

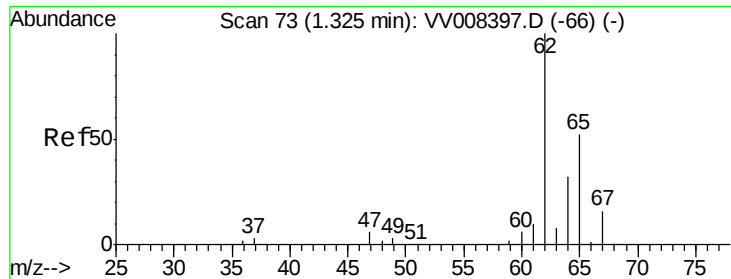
52 33.4 23.1 42.9



Abundance Ion 50.00 (49.70 to 50.70): VV008403.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VV008403.D (-1) (-)





#5

Vinyl chloride

Concen: 2.797 ug/L

RT: 1.33 min Scan# 73

Delta R.T. -0.00 min

Lab File: VV008403.D

Acq: 24 Oct 2018 19:47

Instrument :

MSVOA_V

ClientSampled :

MDL05

Tgt Ion: 62 Resp: 3858

Ion Ratio Lower Upper

62 100

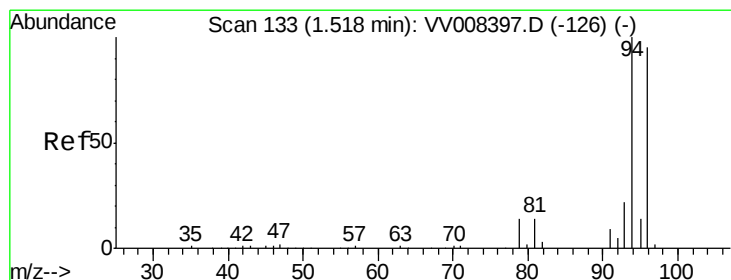
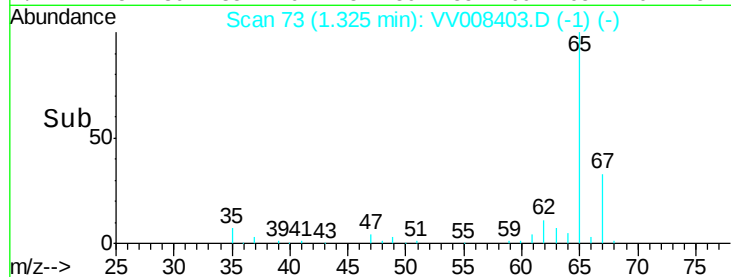
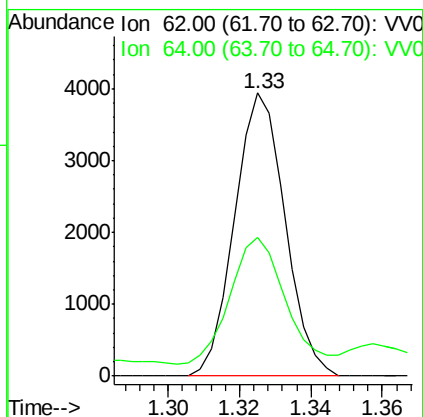
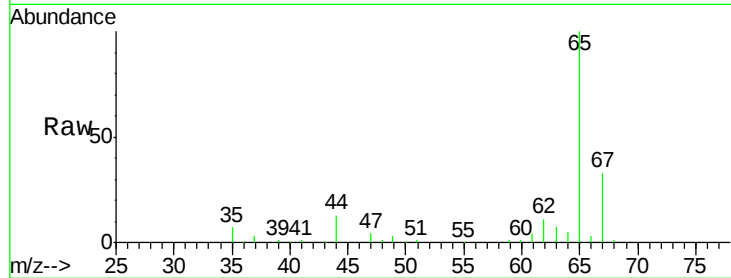
64 49.2 24.4 45.4#

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#6

Bromomethane

Concen: 2.994 ug/L

RT: 1.52 min Scan# 133

Delta R.T. -0.00 min

Lab File: VV008403.D

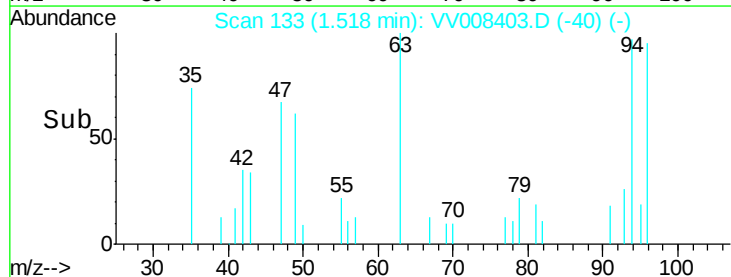
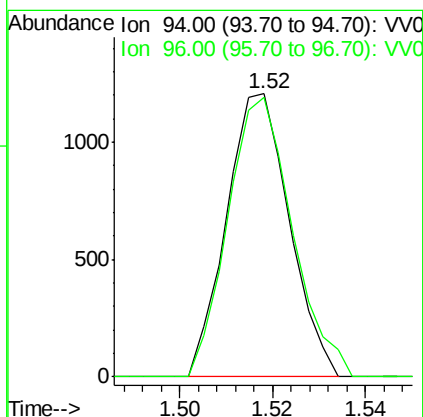
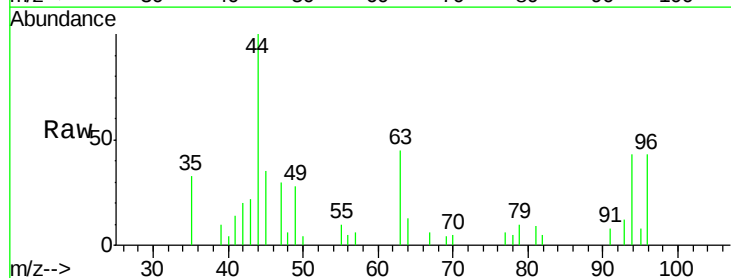
Acq: 24 Oct 2018 19:47

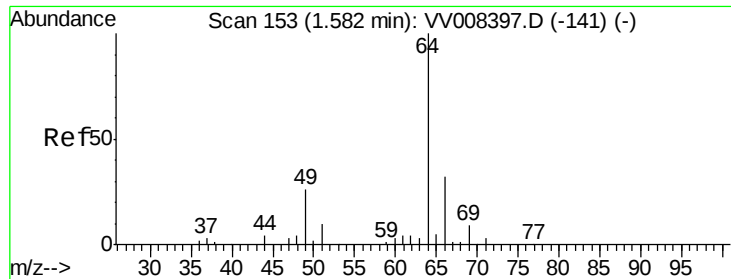
Tgt Ion: 94 Resp: 1133

Ion Ratio Lower Upper

94 100

96 98.6 63.8 118.6





#8

Chloroethane

Concen: 3.608 ug/L

RT: 1.59 min Scan# 154

Delta R.T. 0.00 min

Lab File: VV008403.D

Acq: 24 Oct 2018 19:47

Instrument :

MSVOA_V

ClientSampled :

MDL05

Tgt Ion: 64 Resp: 2614

Ion Ratio Lower Upper

64 100

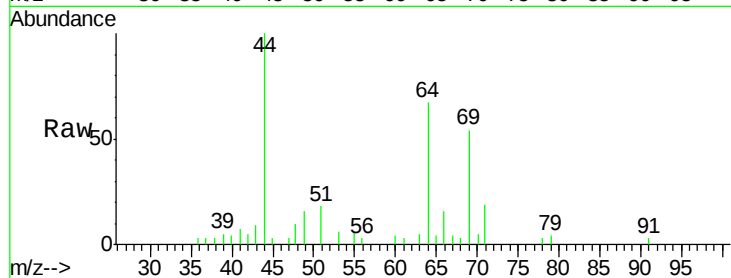
66 24.4 19.9 36.9

Manual Integrations

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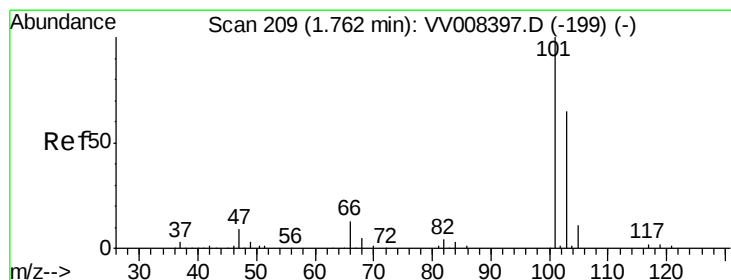
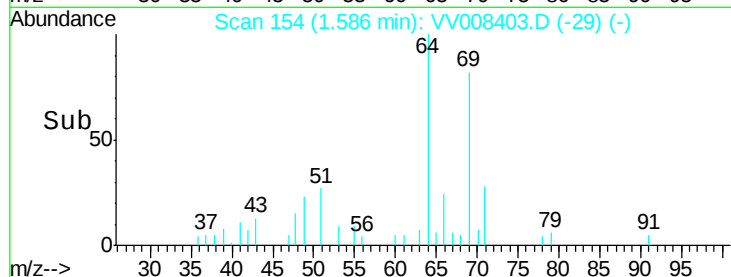
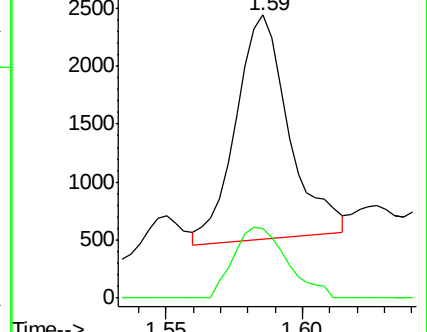
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Abundance Ion 64.00 (63.70 to 64.70): VV008403.D (-154) (-)

Ion 66.00 (65.70 to 66.70): VV008403.D (-154) (-)



#9

Trichlorofluoromethane

Concen: 2.780 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV008403.D

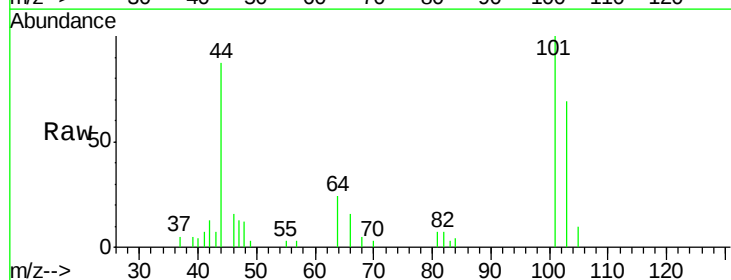
Acq: 24 Oct 2018 19:47

Tgt Ion: 101 Resp: 4934

Ion Ratio Lower Upper

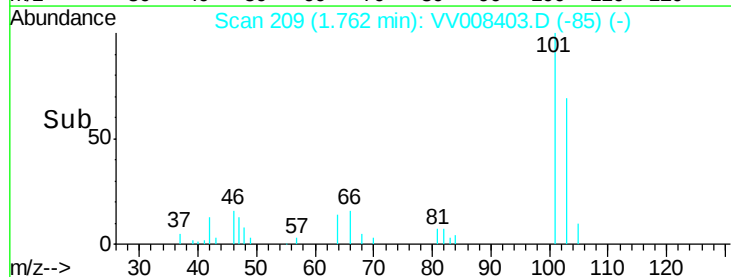
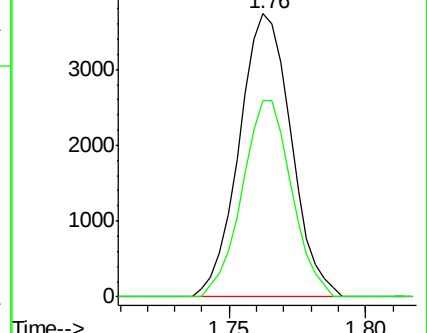
101 100

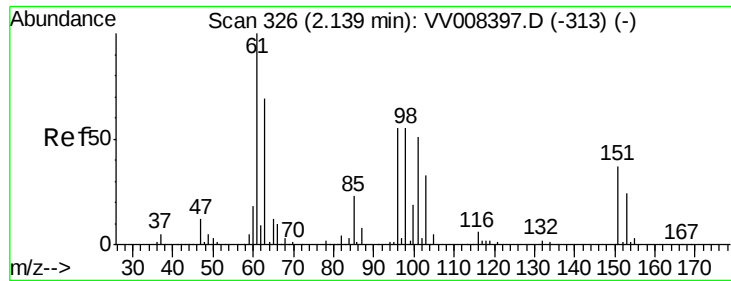
103 65.8 51.0 76.6



Abundance Ion 101.00 (100.70 to 101.70): VV008403.D (-209) (-)

Ion 103.00 (102.70 to 103.70): VV008403.D (-209) (-)





#10

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

Concen: 3.248 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV008403.D

Acq: 24 Oct 2018 19:47

Instrument :

MSVOA_V

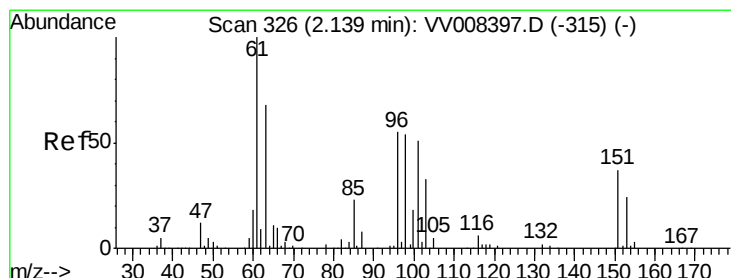
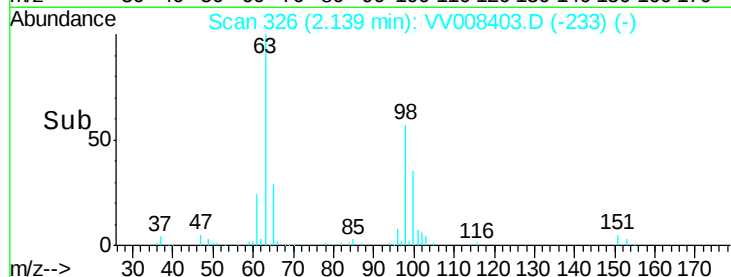
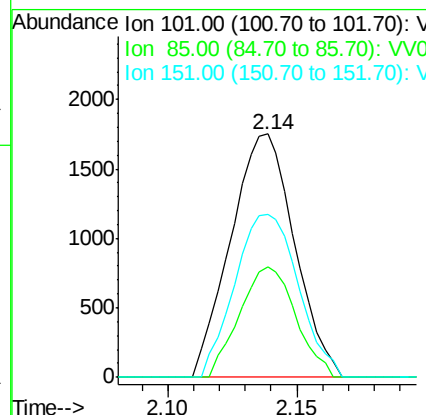
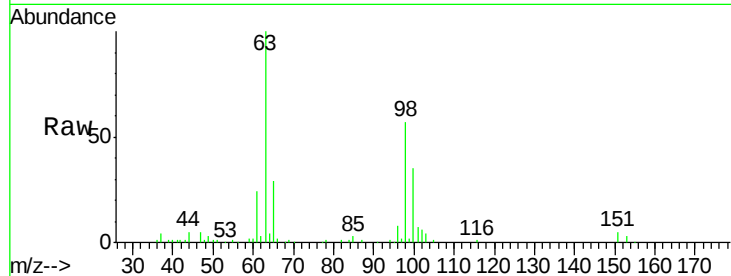
ClientSampleId :

MDL05

Tgt Ion:	101	Resp:	3012
Ion Ratio	Lower	Upper	
101	100		
85	39.9	35.6	53.4
151	66.7	58.1	87.1

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#12

1,1-Dichloroethene

Concen: 3.510 ug/L

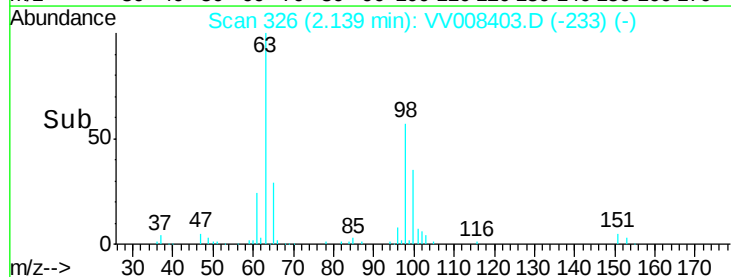
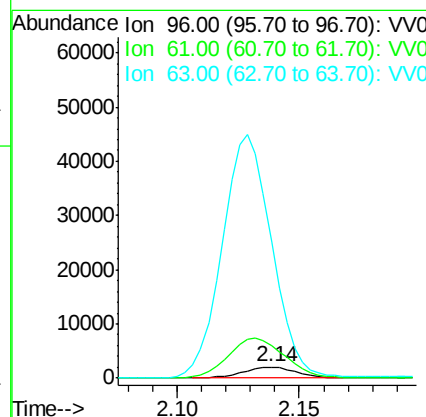
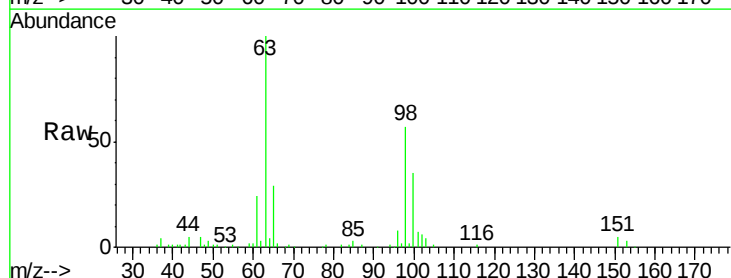
RT: 2.14 min Scan# 326

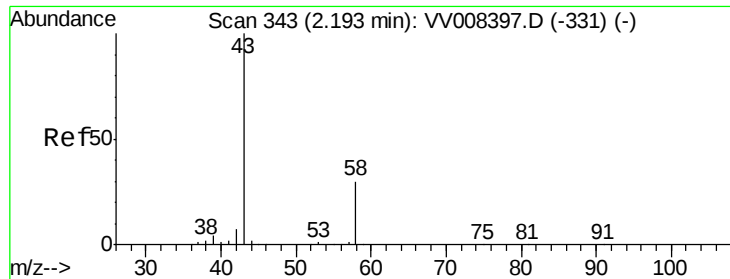
Delta R.T. -0.00 min

Lab File: VV008403.D

Acq: 24 Oct 2018 19:47

Tgt Ion:	96	Resp:	3065
Ion Ratio	Lower	Upper	
96	100		
61	297.9	130.3	242.1#
63	1262.7	84.4	156.8#





#13

Acetone

Concen: 5.636 ug/L

RT: 2.19 min Scan# 343

Delta R.T. -0.00 min

Lab File: VV008403.D

Acq: 24 Oct 2018 19:47

Instrument :

MSVOA_V

ClientSampled :

MDL05

Tgt Ion: 43 Resp: 5122

Ion Ratio Lower Upper

43 100

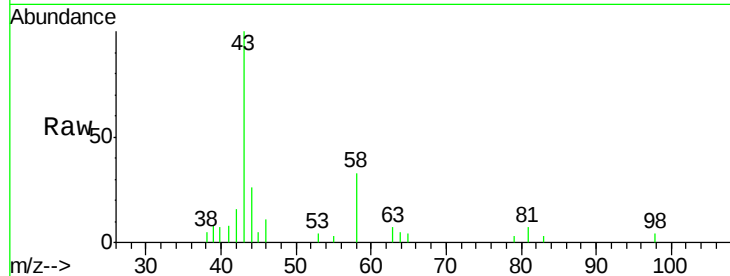
58 33.2 0.0 61.4

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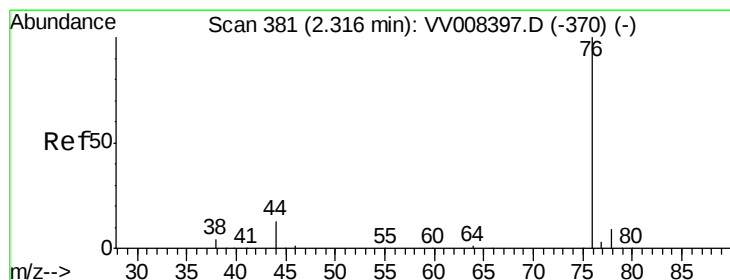
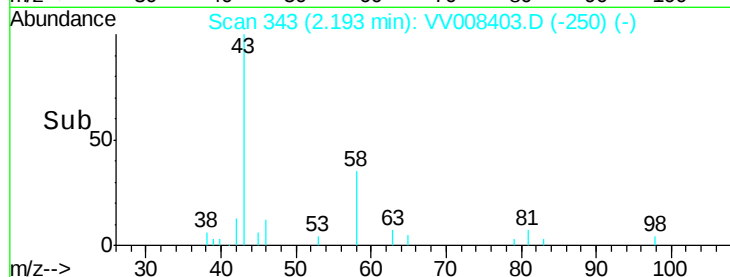
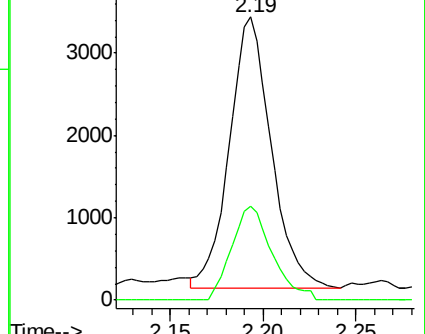
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Abundance Ion 43.00 (42.70 to 43.70): VV008403.D (-250) (-)

Ion 58.00 (57.70 to 58.70): VV008403.D (-250) (-)



#14

Carbon disulfide

Concen: 2.833 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV008403.D

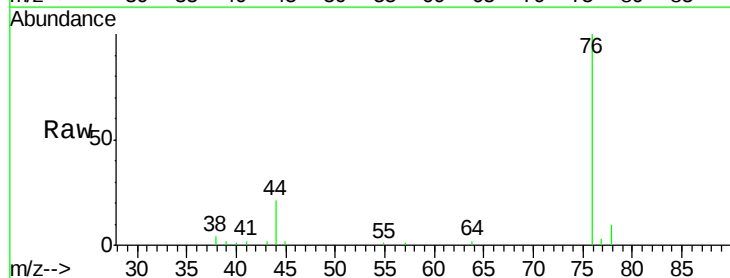
Acq: 24 Oct 2018 19:47

Tgt Ion: 76 Resp: 11142

Ion Ratio Lower Upper

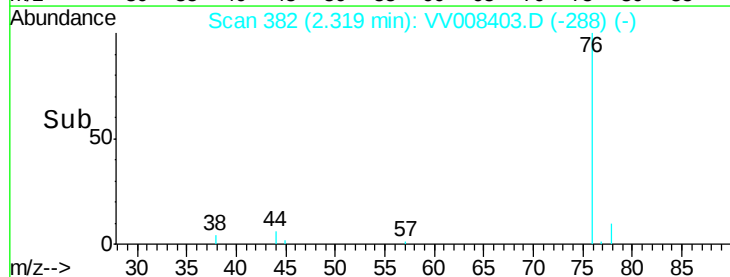
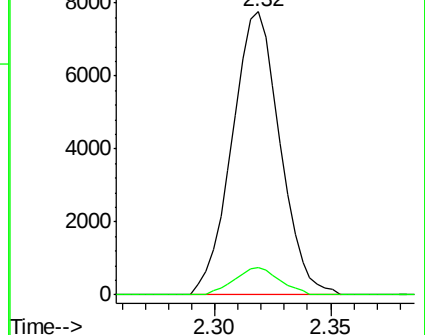
76 100

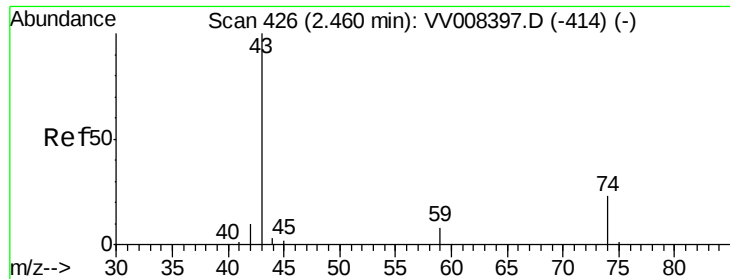
78 9.6 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VV008403.D (-288) (-)

Ion 78.00 (77.70 to 78.70): VV008403.D (-288) (-)





#15

Methyl Acetate

Concen: 3.178 ug/L

RT: 2.46 min Scan# 427

Delta R.T. 0.00 min

Lab File: VV008403.D

Acq: 24 Oct 2018 19:47

Tgt Ion: 43 Resp: 5759

Ion Ratio Lower Upper

43 100

74 20.5 17.8 26.6

Instrument :

MSVOA_V

ClientSampleId :

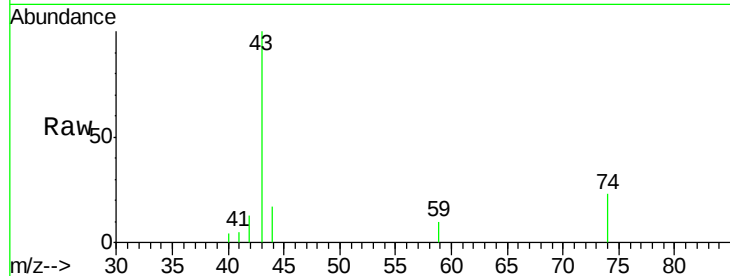
MDL05

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Abundance Ion 43.00 (42.70 to 43.70): VV008403.D (-333) (-)

Ion 74.00 (73.70 to 74.70): VV008403.D (-333) (-)

2.46

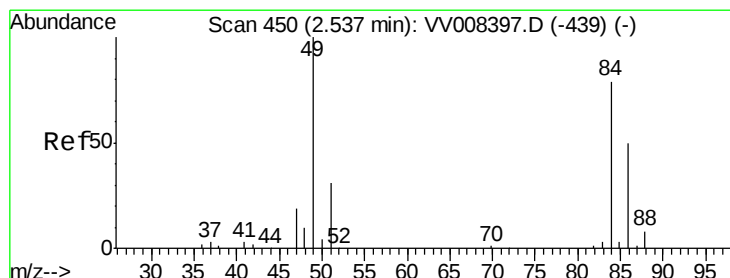
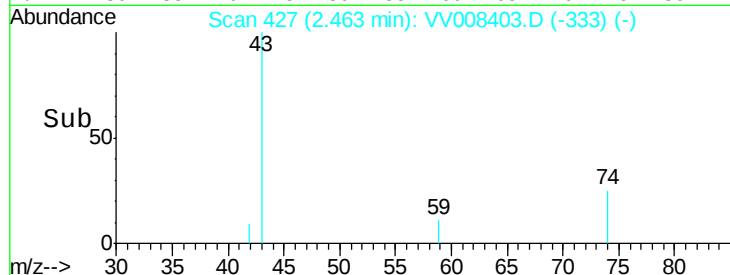
3000

2000

1000

0

Time-->



#16

Methylene chloride

Concen: 2.851 ug/L

RT: 2.54 min Scan# 451

Delta R.T. 0.00 min

Lab File: VV008403.D

Acq: 24 Oct 2018 19:47

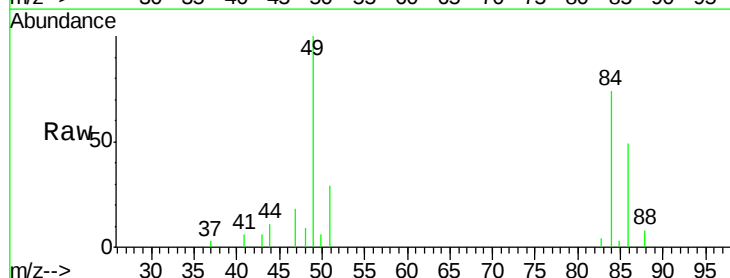
Tgt Ion: 84 Resp: 4312

Ion Ratio Lower Upper

84 100

86 66.4 45.6 84.6

49 135.1 90.6 168.3



Abundance Ion 84.00 (83.70 to 84.70): VV008403.D (-357) (-)

Ion 86.00 (85.70 to 86.70): VV008403.D (-357) (-)

Ion 49.00 (48.70 to 49.70): VV008403.D (-357) (-)

2.54

4000

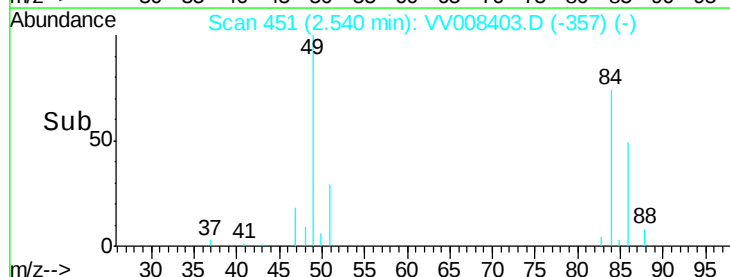
3000

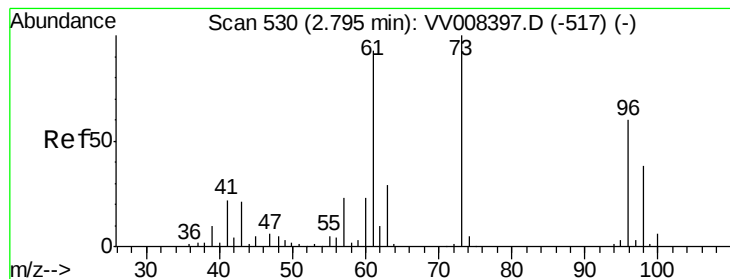
2000

1000

0

Time-->





#17

trans-1,2-Dichloroethene

Concen: 2.834 ug/L

RT: 2.80 min Scan# 531

Delta R.T. 0.00 min

Lab File: VV008403.D

Acq: 24 Oct 2018 19:47

Instrument :

MSVOA_V

ClientSampled :

MDL05

Tgt Ion: 96 Resp: 3772

Ion Ratio Lower Upper

96 100

61 145.2 108.6 201.6

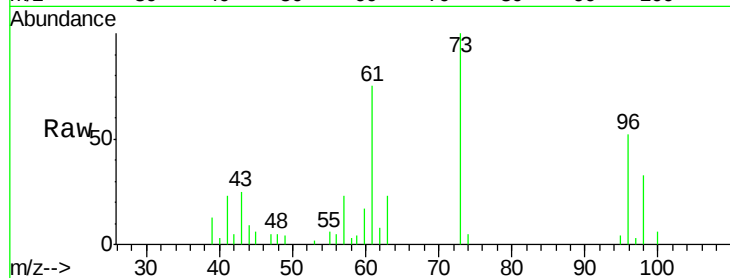
98 63.7 44.3 82.3

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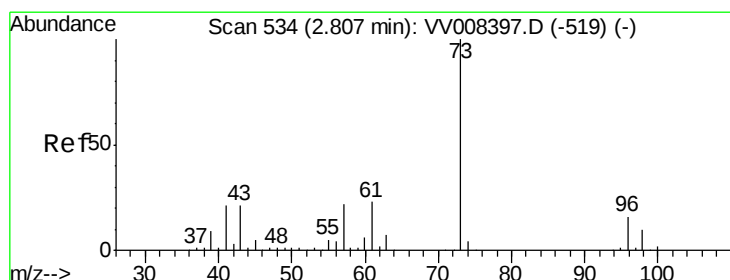
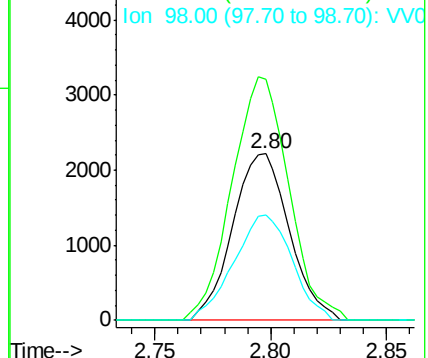
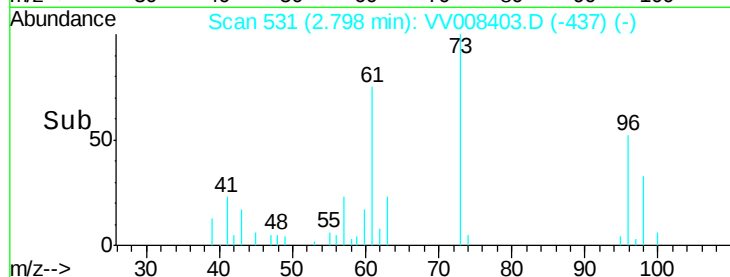
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Abundance Ion 96.00 (95.70 to 96.70): VV008403.D (-437) (-)



#18

Methyl tert-butyl Ether

Concen: 2.902 ug/L

RT: 2.81 min Scan# 535

Delta R.T. 0.00 min

Lab File: VV008403.D

Acq: 24 Oct 2018 19:47

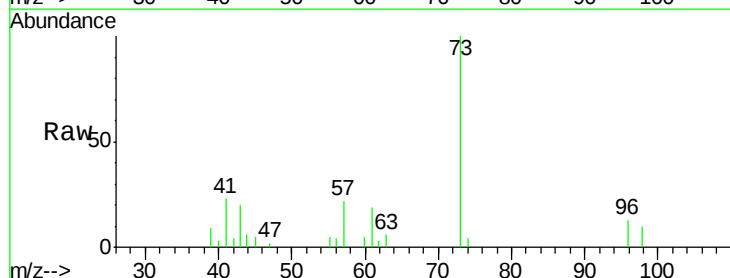
Tgt Ion: 73 Resp: 13824

Ion Ratio Lower Upper

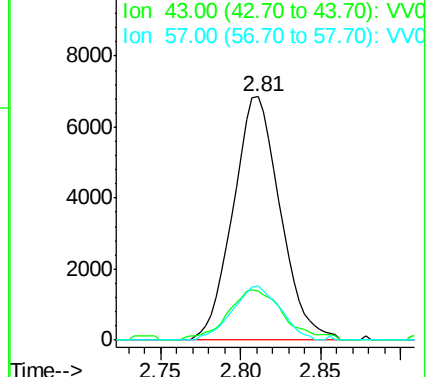
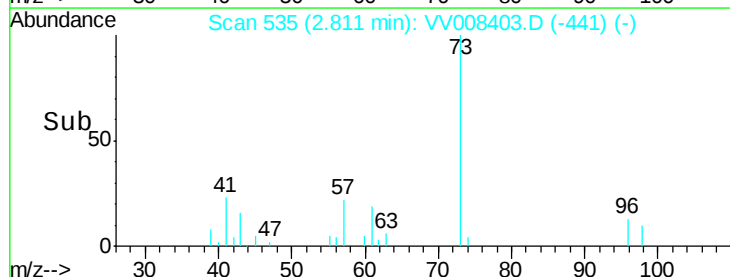
73 100

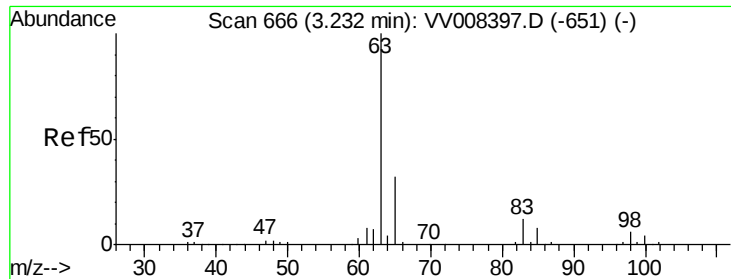
43 20.0 16.2 24.4

57 22.5 18.2 27.2



Abundance Ion 73.00 (72.70 to 73.70): VV008403.D (-441) (-)





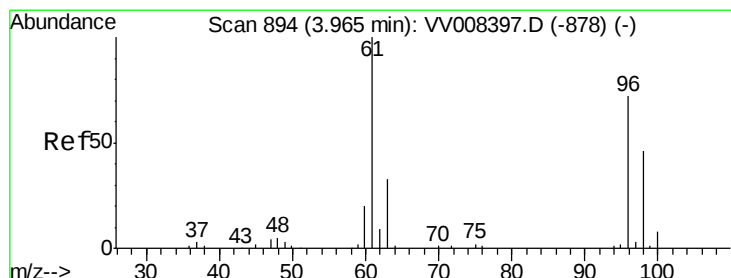
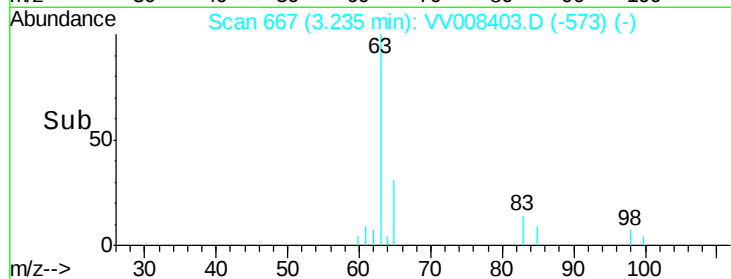
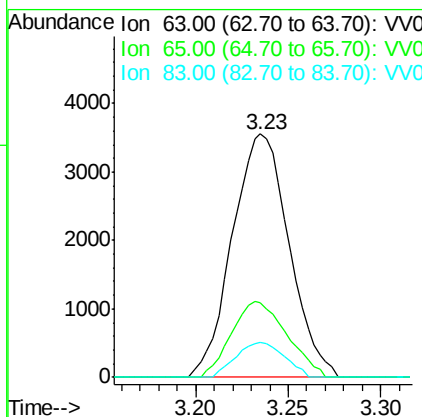
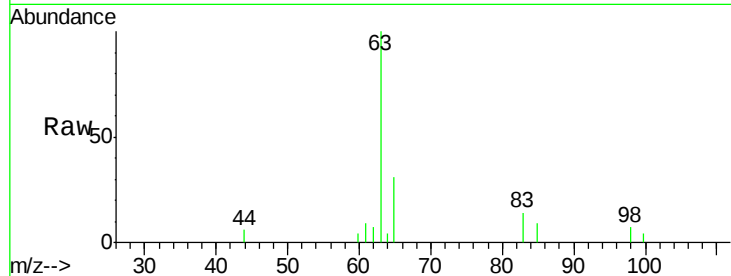
#19
 1,1-Dichloroethane
 Concen: 2.745 ug/L
 RT: 3.23 min Scan# 667
 Delta R.T. 0.00 min
 Lab File: VV008403.D
 Acq: 24 Oct 2018 19:47

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

Tgt Ion	Ratio	Lower	Upper
63	100		
65	30.6	22.0	40.8
83	14.3	9.3	17.3

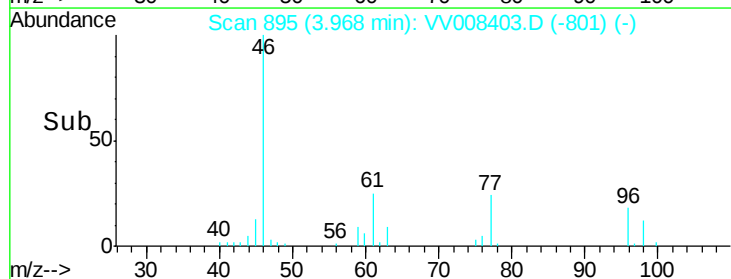
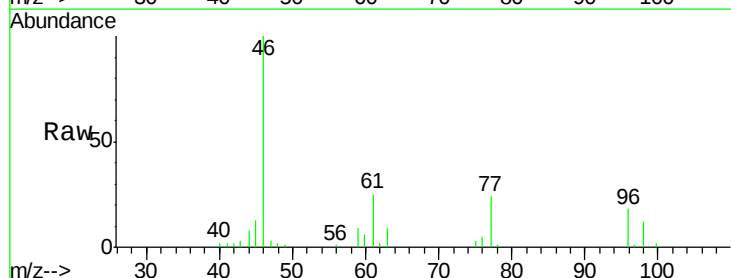
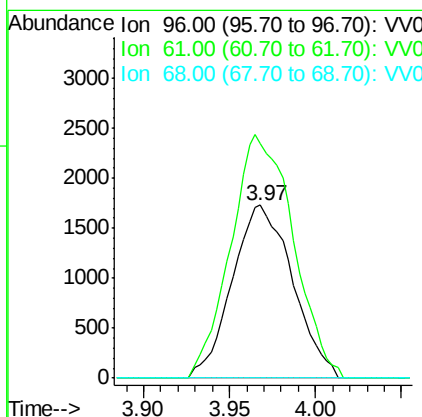
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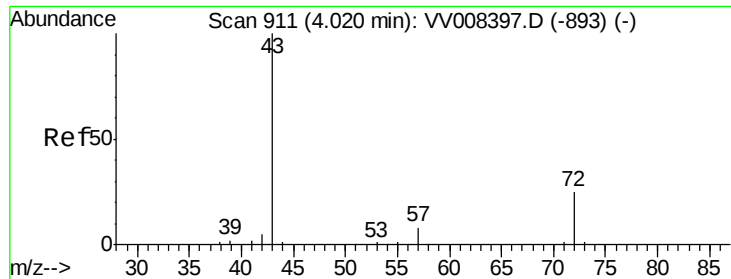
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#20
 cis-1,2-Dichloroethene
 Concen: 2.778 ug/L
 RT: 3.97 min Scan# 895
 Delta R.T. 0.00 min
 Lab File: VV008403.D
 Acq: 24 Oct 2018 19:47

Tgt Ion	Ratio	Lower	Upper
96	100		
61	135.9	100.9	187.5
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 4.861 ug/L

RT: 4.03 min Scan# 913

Delta R.T. 0.01 min

Lab File: VV008403.D

Acq: 24 Oct 2018 19:47

Instrument :

MSVOA_V

ClientSampled :

MDL05

Tgt Ion: 43 Resp: 6382

Ion Ratio Lower Upper

43 100

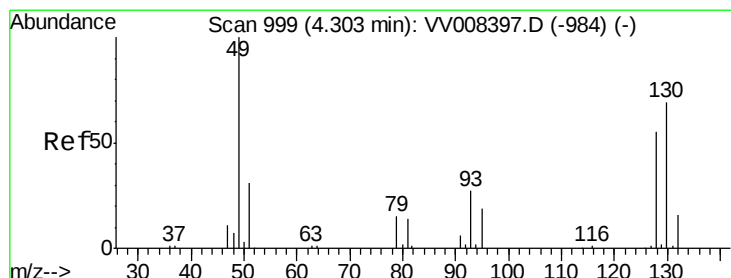
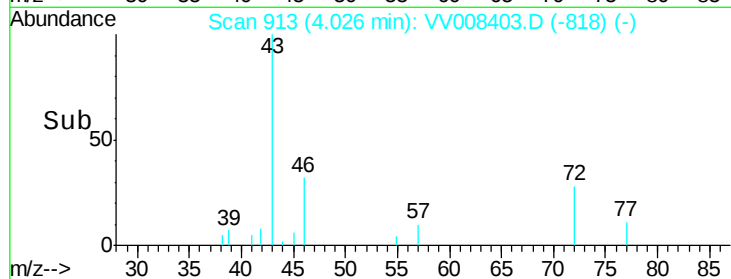
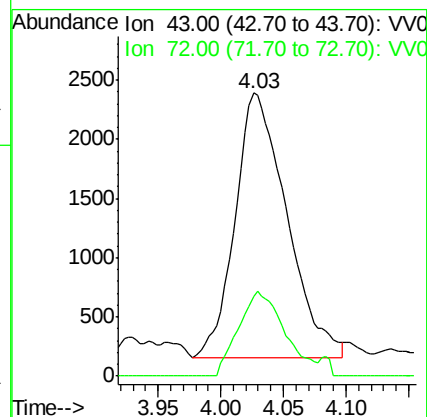
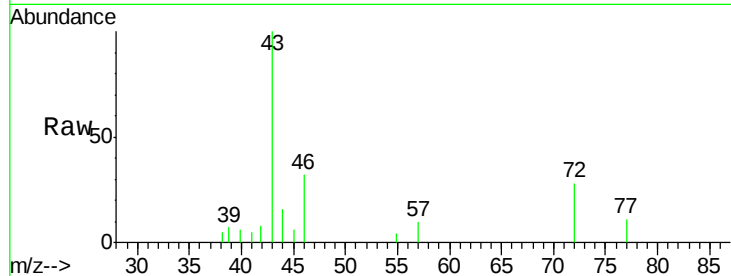
72 28.7 13.0 38.9

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#23

Bromochloromethane

Concen: 2.621 ug/L m

RT: 4.31 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VV008403.D

Acq: 24 Oct 2018 19:47

Tgt Ion: 128 Resp: 1874

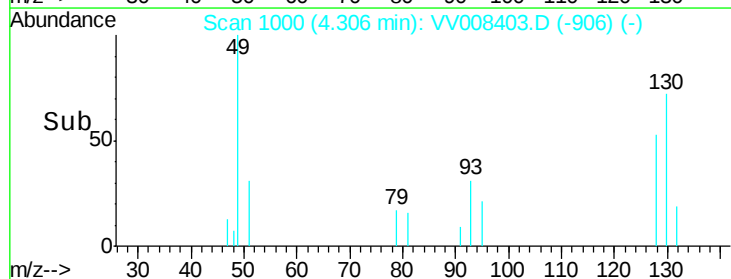
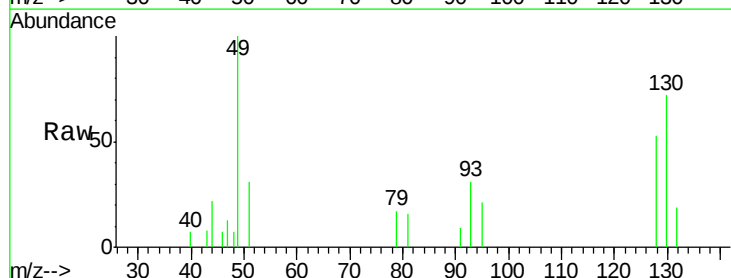
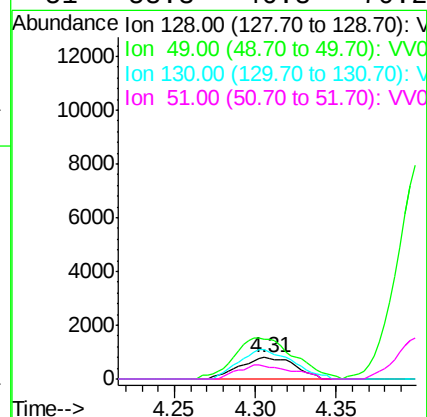
Ion Ratio Lower Upper

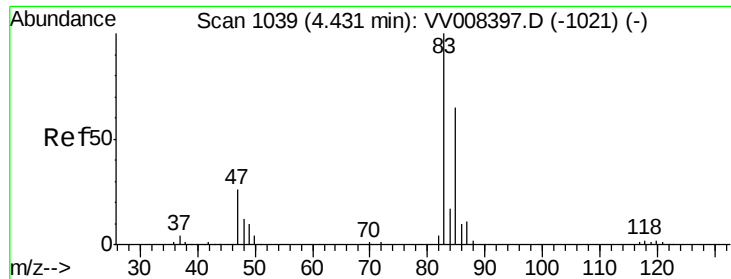
128 100

49 187.3 128.0 237.8

130 135.7 89.2 165.8

51 58.3 46.8 70.2





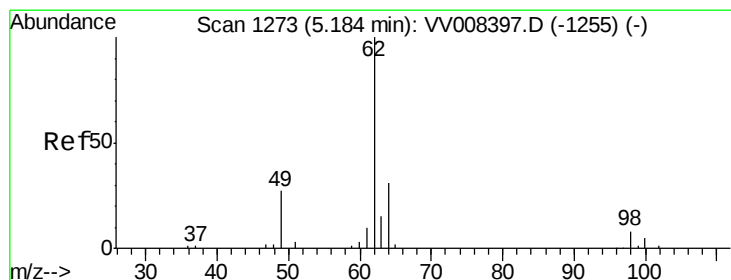
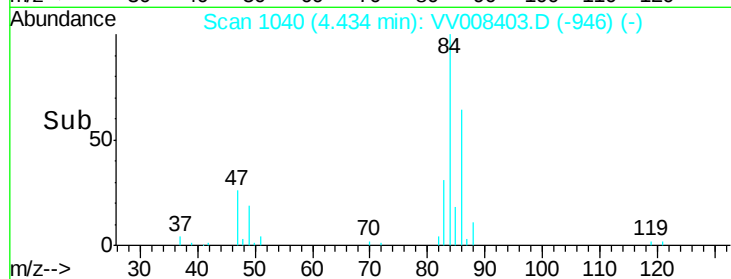
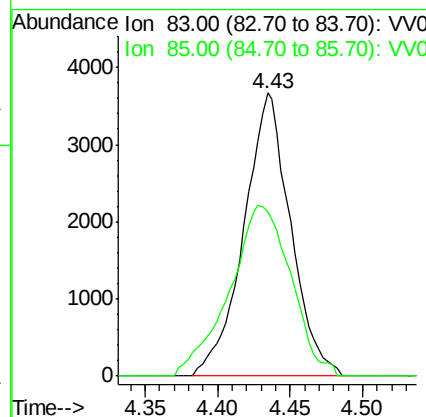
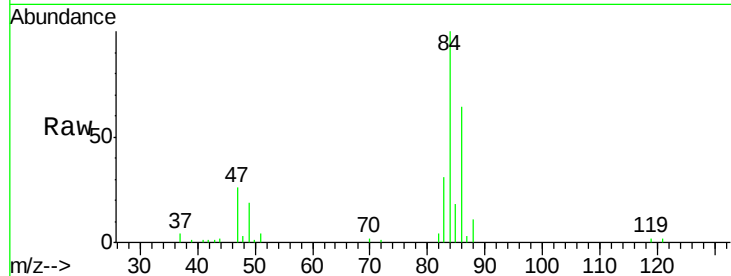
#25
Chloroform
Concen: 3.073 ug/L
RT: 4.43 min Scan# 1040
Delta R.T. 0.00 min
Lab File: VV008403.D
Acq: 24 Oct 2018 19:47

Instrument :
MSVOA_V
ClientSampleId :
MDL05

Tgt Ion: 83 Resp: 8235
Ion Ratio Lower Upper
83 100
85 58.2 45.8 85.2

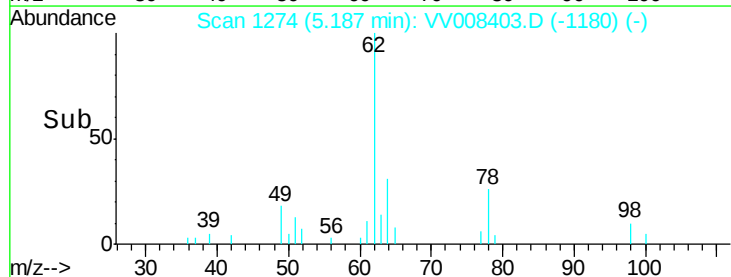
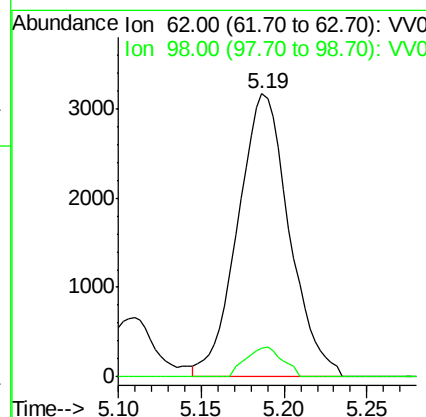
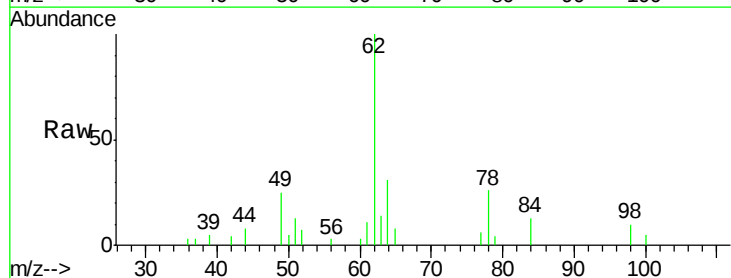
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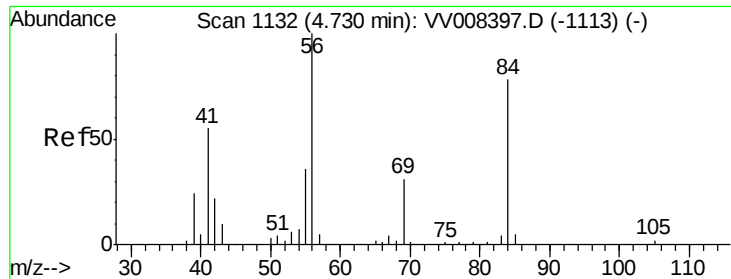
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#27
1,2-Dichloroethane
Concen: 3.047 ug/L
RT: 5.19 min Scan# 1274
Delta R.T. 0.00 min
Lab File: VV008403.D
Acq: 24 Oct 2018 19:47

Tgt Ion: 62 Resp: 6820
Ion Ratio Lower Upper
62 100
98 10.3 6.6 9.8#





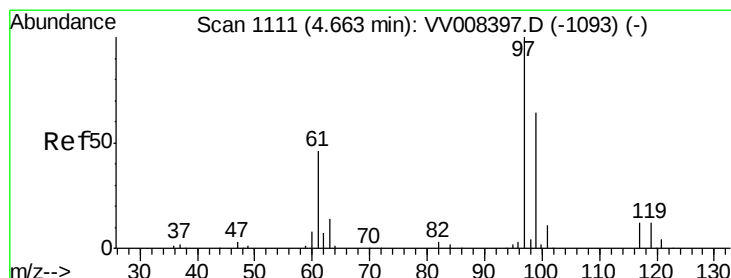
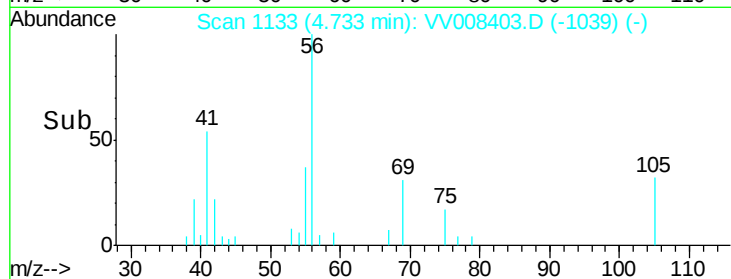
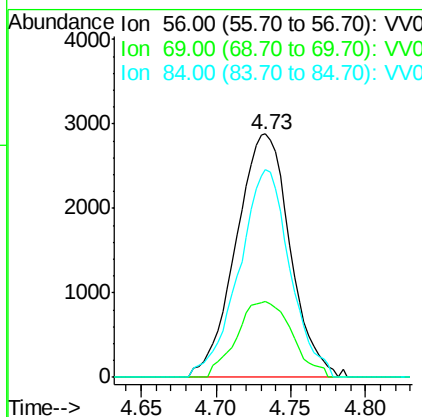
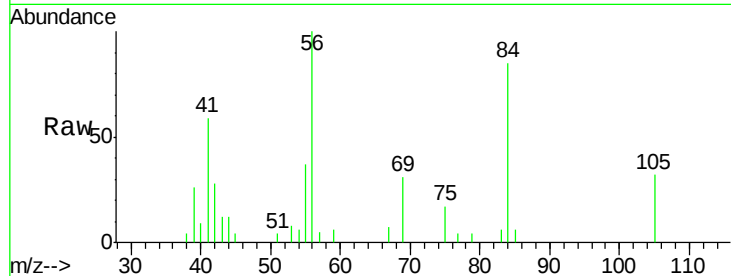
#29
Cyclohexane
Concen: 2.819 ug/L
RT: 4.73 min Scan# 1133
Delta R.T. 0.00 min
Lab File: VV008403.D
Acq: 24 Oct 2018 19:47

Instrument :
MSVOA_V
ClientSampleId :
MDL05

Tgt Ion	Ratio	Lower	Upper
56	100		
69	31.8	24.6	37.0
84	80.7	65.0	97.4

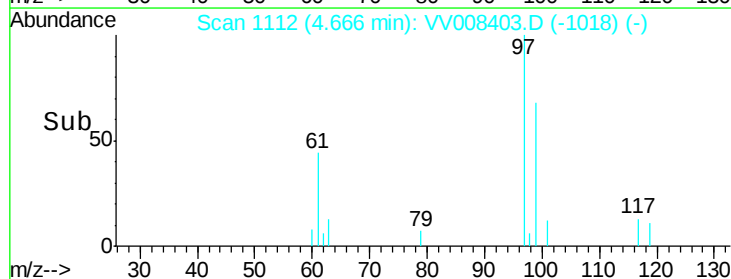
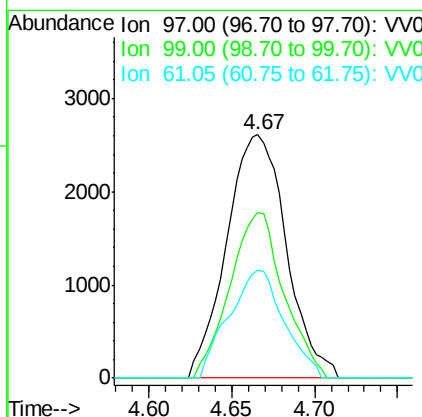
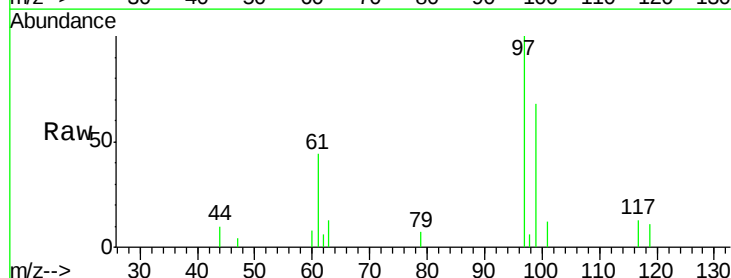
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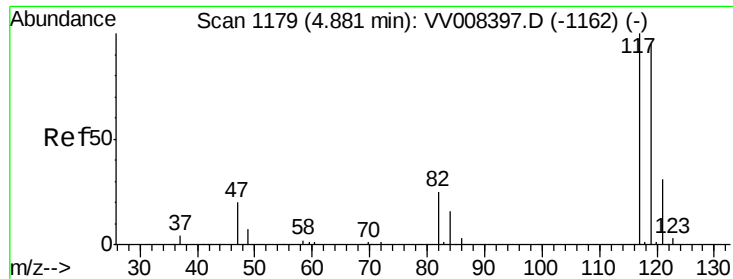
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#30
1,1,1-Trichloroethane
Concen: 2.864 ug/L
RT: 4.67 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VV008403.D
Acq: 24 Oct 2018 19:47

Tgt Ion	Ratio	Lower	Upper
97	100		
99	61.4	51.6	77.4
61	41.0	36.5	54.7





#31

Carbon tetrachloride

Concen: 2.608 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. -0.00 min

Lab File: VV008403.D

Acq: 24 Oct 2018 19:47

Instrument :

MSVOA_V

ClientSampled :

MDL05

Tgt Ion:117 Resp: 5062

Ion Ratio Lower Upper

117 100

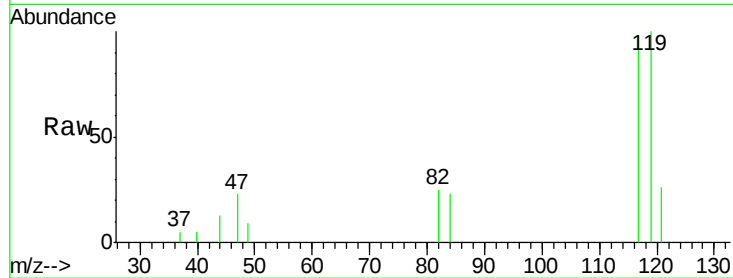
119 98.0 75.8 113.8

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Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

2500

2000

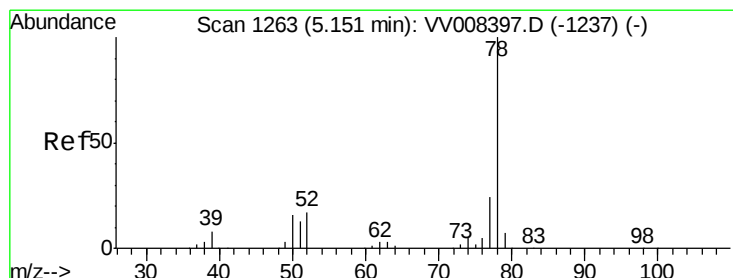
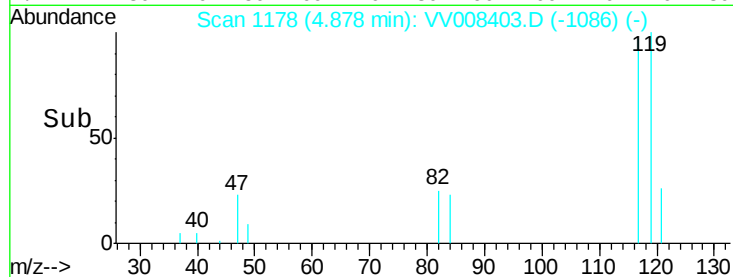
1500

1000

500

0

Time--> 4.80 4.85 4.90 4.95



#33

Benzene

Concen: 2.966 ug/L

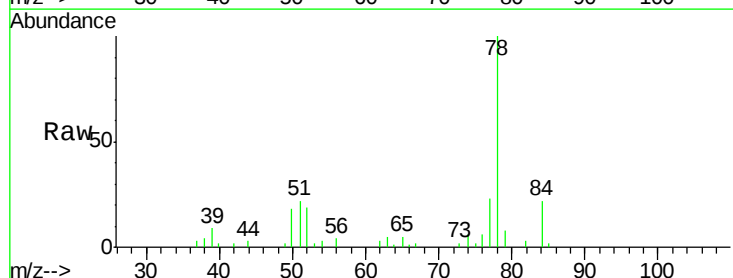
RT: 5.15 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VV008403.D

Acq: 24 Oct 2018 19:47

Tgt Ion: 78 Resp: 17100



Abundance Ion 78.00 (77.70 to 78.70): VV0

8000

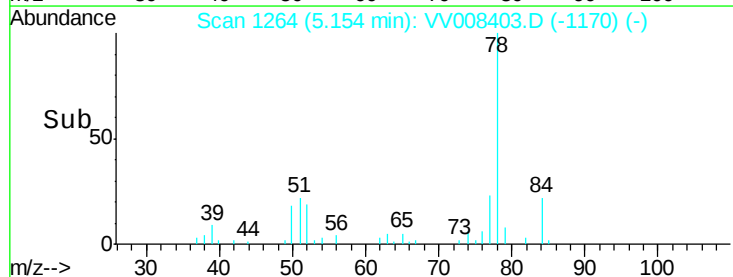
6000

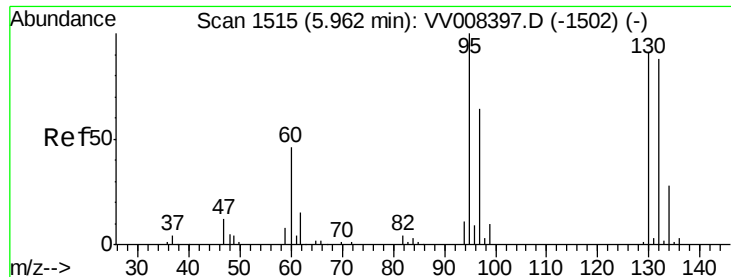
4000

2000

0

Time--> 5.10 5.15 5.20





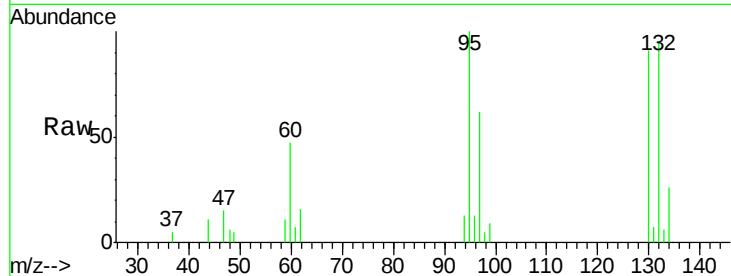
#34
 Trichloroethene
 Concen: 2.860 ug/L
 RT: 5.96 min Scan# 1516
 Delta R.T. 0.00 min
 Lab File: VV008403.D
 Acq: 24 Oct 2018 19:47

Instrument :
 MSVOA_V
 ClientSampleID :
 MDL05

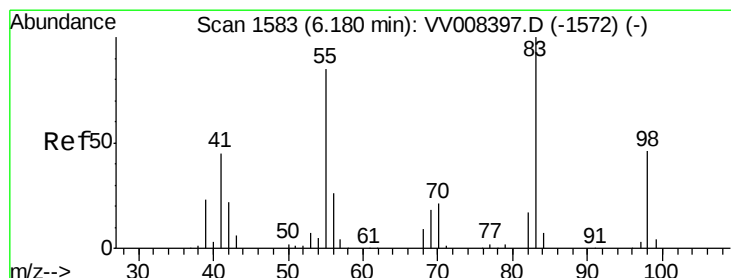
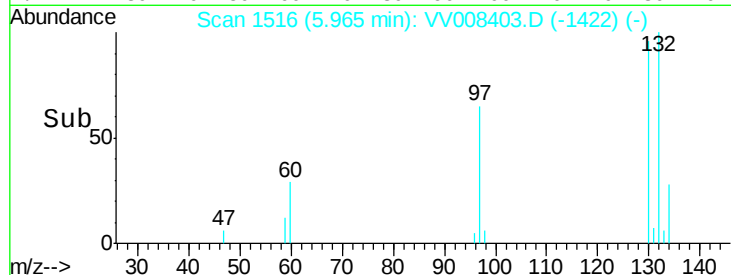
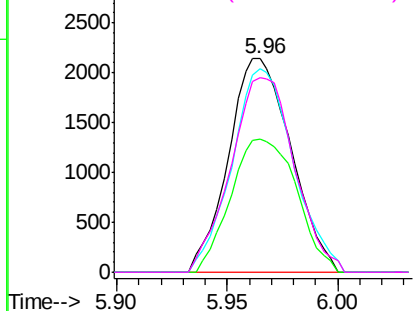
Tgt Ion: 95 Resp: 4222
 Ion Ratio Lower Upper
 95 100
 97 62.4 45.2 84.0
 132 95.4 63.8 118.6
 130 91.2 64.7 120.1

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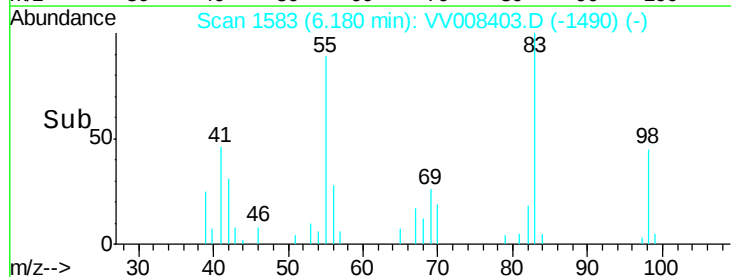
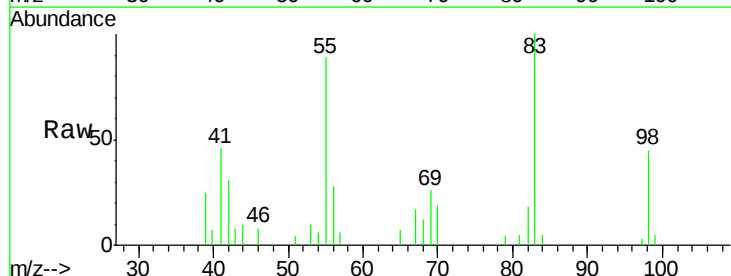
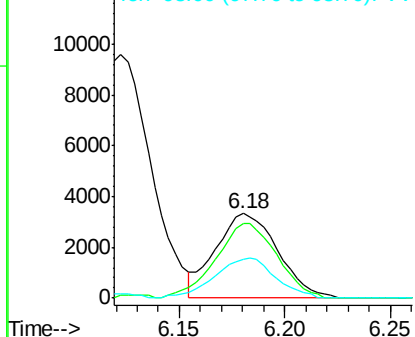
Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

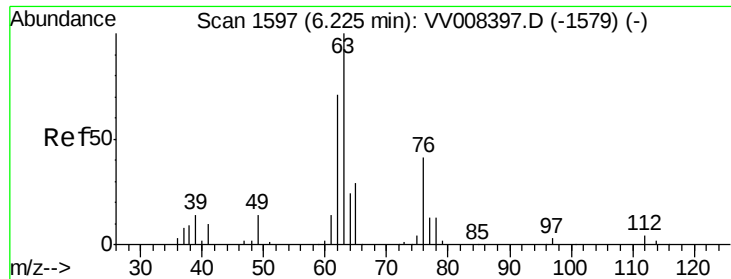


#35
 Methylcyclohexane
 Concen: 2.730 ug/L
 RT: 6.18 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: VV008403.D
 Acq: 24 Oct 2018 19:47

Tgt Ion: 83 Resp: 6850
 Ion Ratio Lower Upper
 83 100
 55 86.5 65.0 97.4
 98 45.9 36.0 54.0

Abundance Ion 83.00 (82.70 to 83.70): VV0
 Ion 55.00 (54.70 to 55.70): VV0
 Ion 98.00 (97.70 to 98.70): VV0





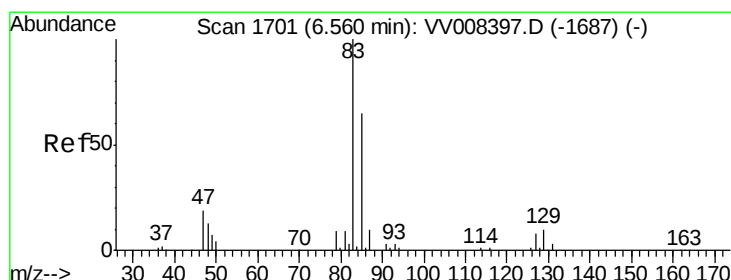
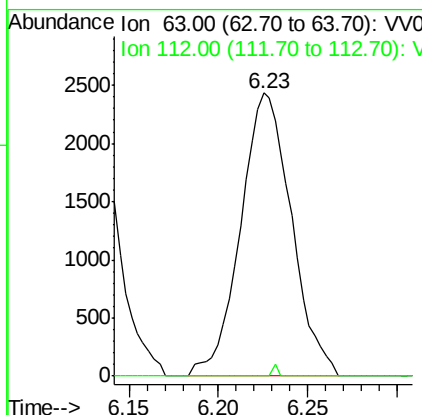
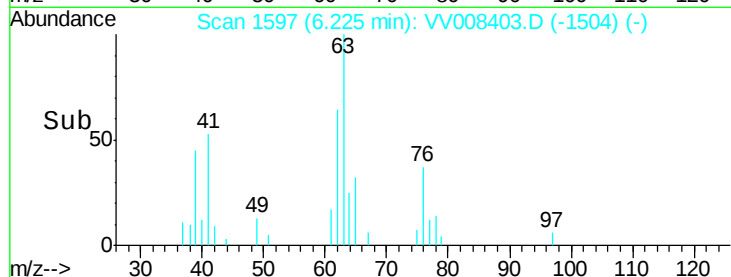
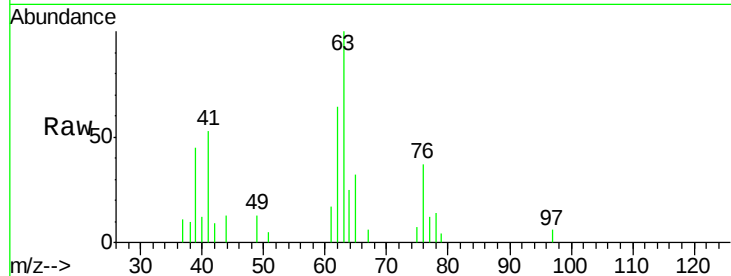
#37
 1,2-Dichloropropane
 Concen: 3.039 ug/L
 RT: 6.23 min Scan# 1597
 Delta R.T. -0.00 min
 Lab File: VV008403.D
 Acq: 24 Oct 2018 19:47

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

Tgt Ion: 63 Resp: 4839
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.9 4.3#

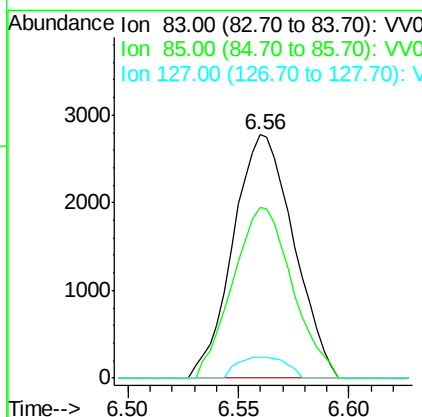
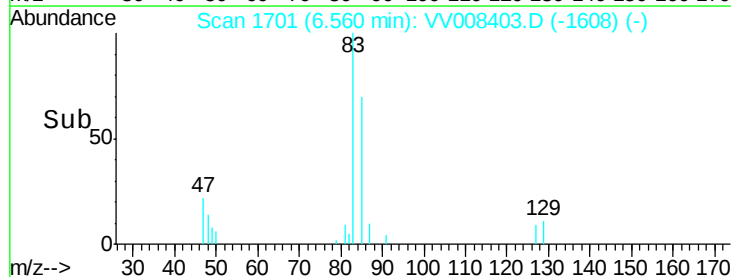
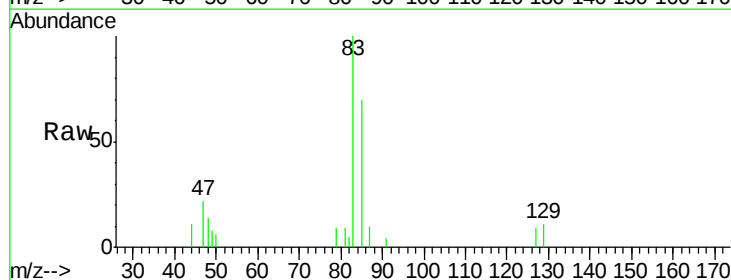
Manual Integrations
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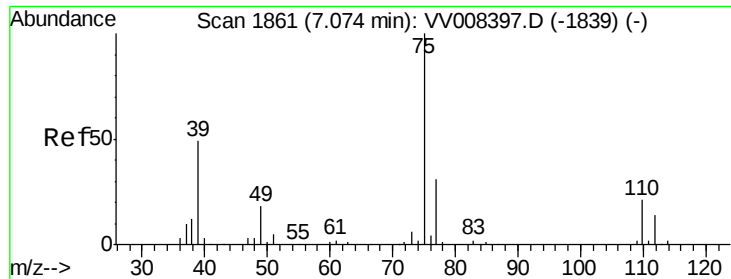
apatel
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#38
 Bromodichloromethane
 Concen: 2.610 ug/L
 RT: 6.56 min Scan# 1701
 Delta R.T. -0.00 min
 Lab File: VV008403.D
 Acq: 24 Oct 2018 19:47

Tgt Ion: 83 Resp: 5295
 Ion Ratio Lower Upper
 83 100
 85 70.1 44.3 82.3
 127 8.6 6.3 9.5





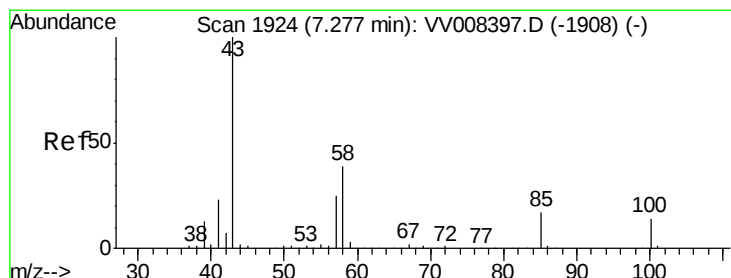
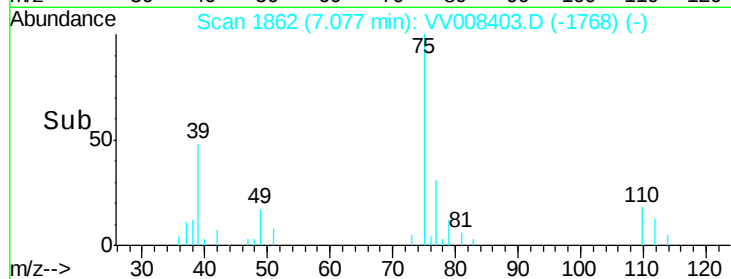
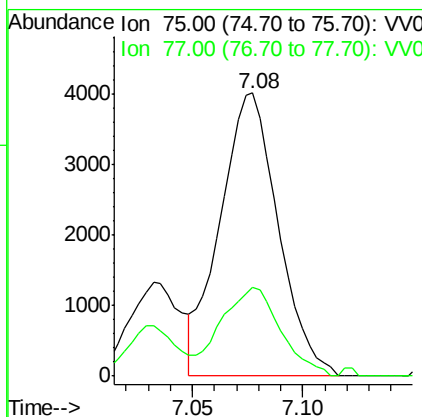
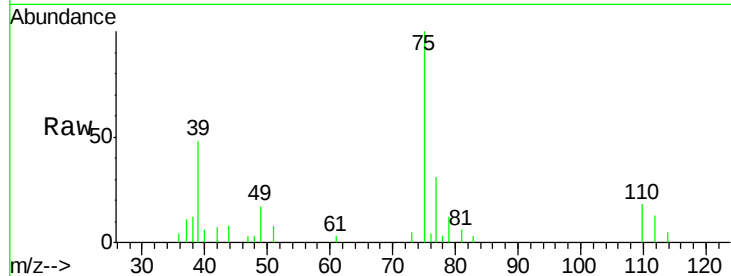
#39
 cis-1,3-Dichloropropene
 Concen: 2.937 ug/L
 RT: 7.08 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VV008403.D
 Acq: 24 Oct 2018 19:47

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

Tgt Ion: 75 Resp: 7352
 Ion Ratio Lower Upper
 75 100
 77 31.3 22.6 42.0

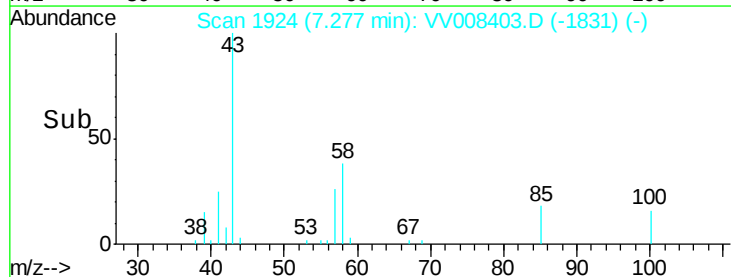
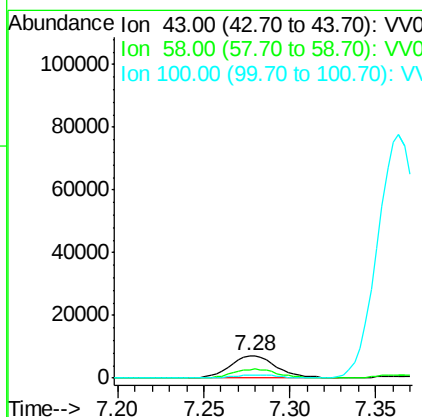
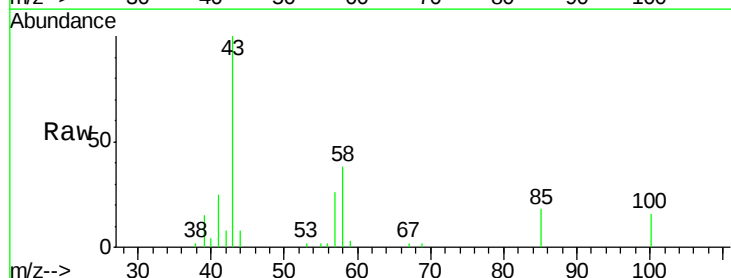
Manual Integrations
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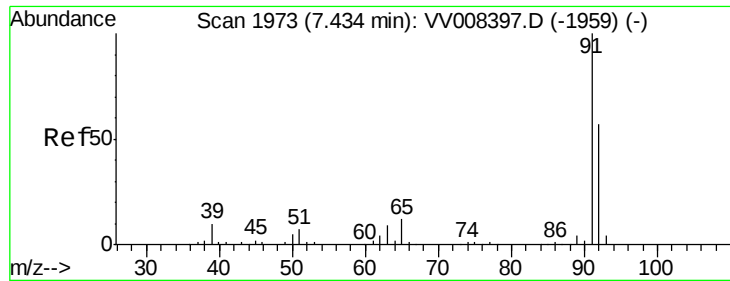
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#40
 4-Methyl-2-pentanone
 Concen: 5.663 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. -0.00 min
 Lab File: VV008403.D
 Acq: 24 Oct 2018 19:47

Tgt Ion: 43 Resp: 13353
 Ion Ratio Lower Upper
 43 100
 58 38.0 30.9 46.3
 100 13.7 10.9 16.3





#42

Toluene

Concen: 2.904 ug/L

RT: 7.44 min Scan# 1974

Delta R.T. 0.00 min

Lab File: VV008403.D

Acq: 24 Oct 2018 19:47

Instrument :

MSVOA_V

ClientSampleId :

MDL05

Tgt Ion: 91 Resp: 17393

Ion Ratio Lower Upper

91 100

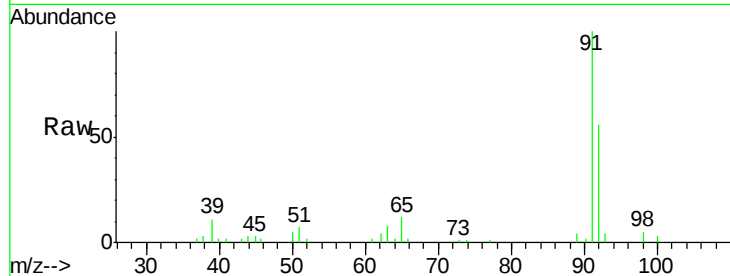
92 55.9 39.5 73.4

Manual Integrations

APPROVED

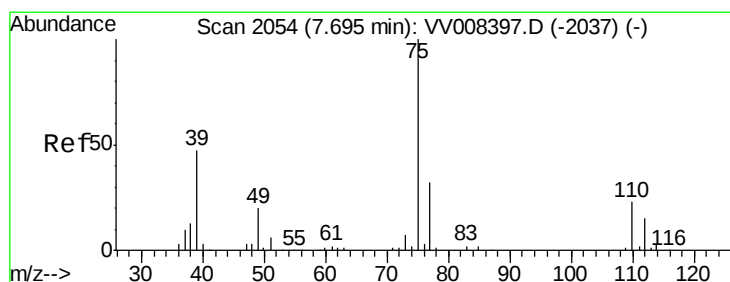
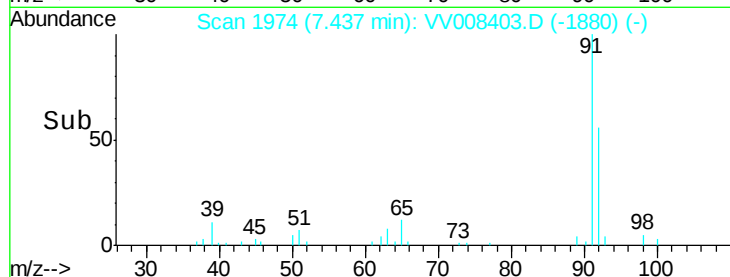
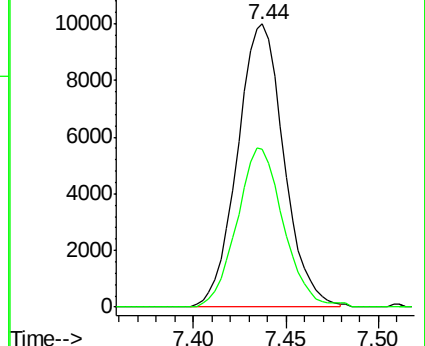
apatel

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Abundance Ion 91.00 (90.70 to 91.70): VV008397.D (-1959) (-)

Ion 92.00 (91.70 to 92.70): VV008397.D (-1959) (-)



#44

trans-1,3-Dichloropropene

Concen: 2.978 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. 0.00 min

Lab File: VV008403.D

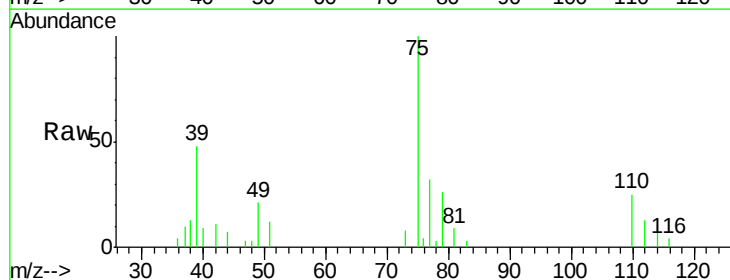
Acq: 24 Oct 2018 19:47

Tgt Ion: 75 Resp: 6975

Ion Ratio Lower Upper

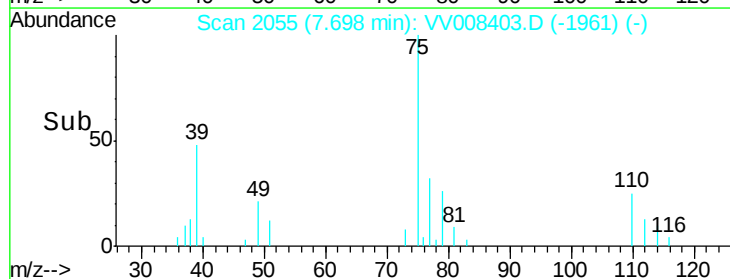
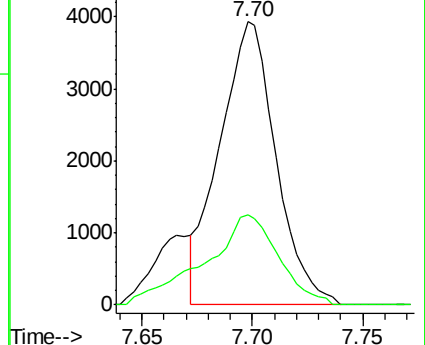
75 100

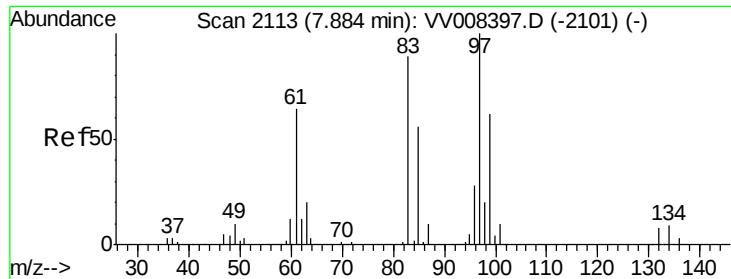
77 31.9 21.8 40.4



Abundance Ion 75.00 (74.70 to 75.70): VV008397.D (-2037) (-)

Ion 77.00 (76.70 to 77.70): VV008397.D (-2037) (-)





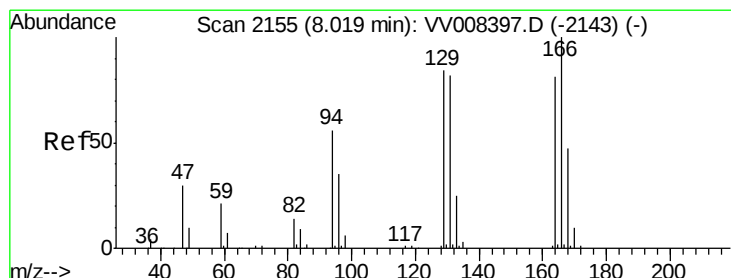
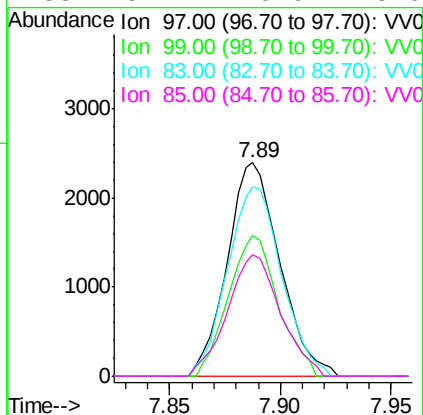
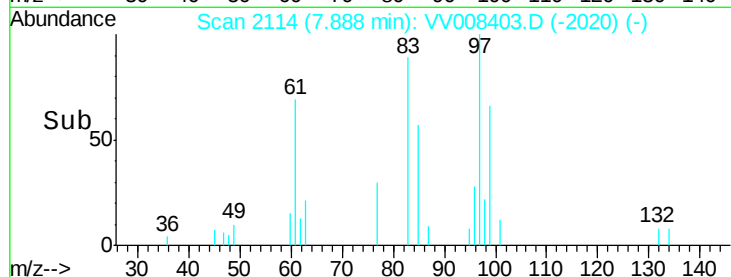
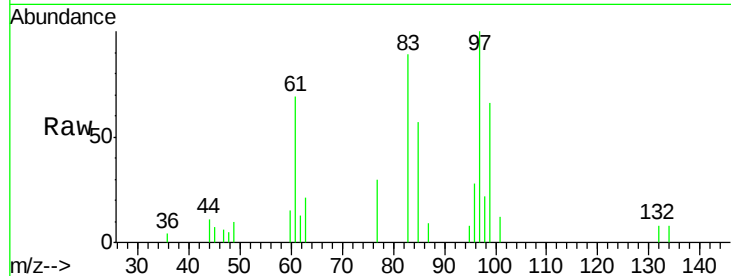
#45
 1,1,2-Trichloroethane
 Concen: 2.815 ug/L
 RT: 7.89 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VV008403.D
 Acq: 24 Oct 2018 19:47

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

Tgt Ion:	97	Resp:	3963
Ion	Ratio	Lower	Upper
97	100		
99	65.9	43.3	80.3
83	89.0	61.9	114.9
85	57.1	40.9	75.9

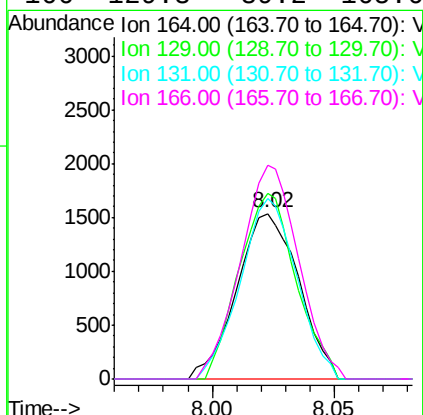
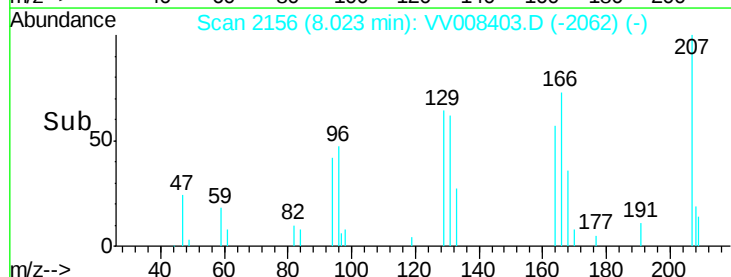
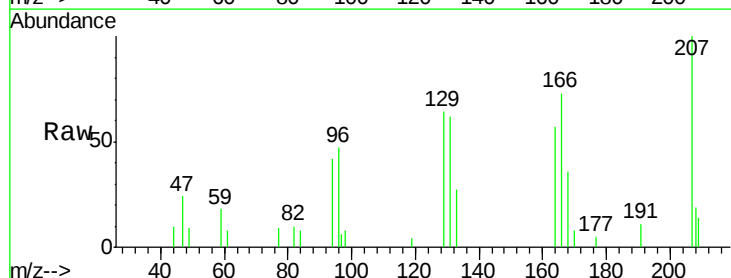
Manual Integrations
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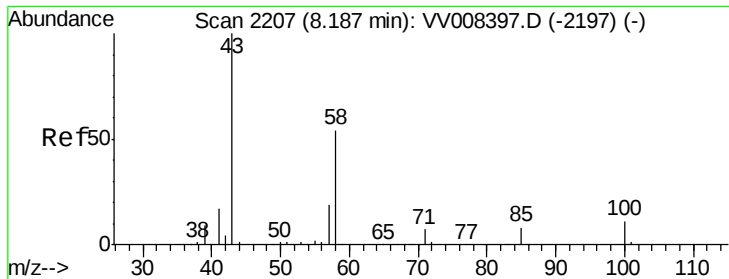
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#46
 Tetrachloroethene
 Concen: 2.806 ug/L
 RT: 8.02 min Scan# 2156
 Delta R.T. 0.00 min
 Lab File: VV008403.D
 Acq: 24 Oct 2018 19:47

Tgt Ion:	164	Resp:	2700
Ion	Ratio	Lower	Upper
164	100		
129	112.5	75.0	139.2
131	109.4	71.3	132.3
166	129.3	89.2	165.6





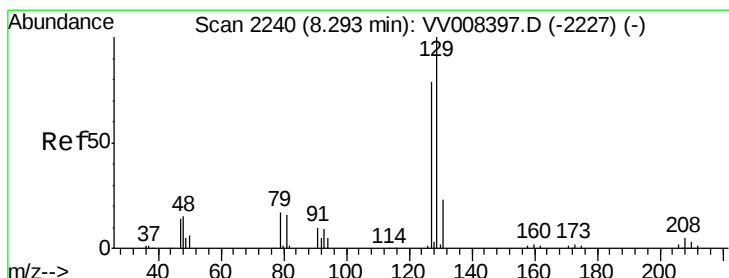
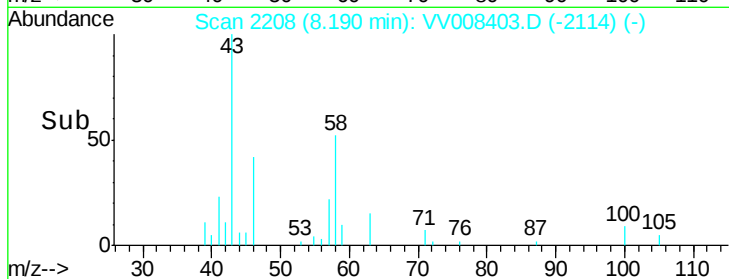
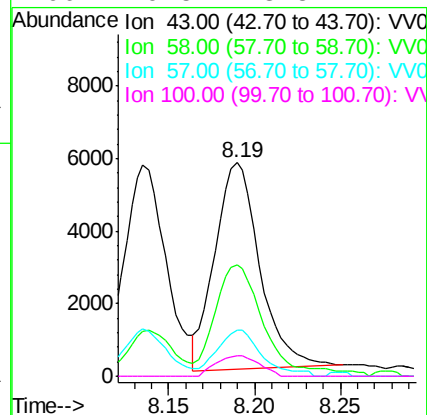
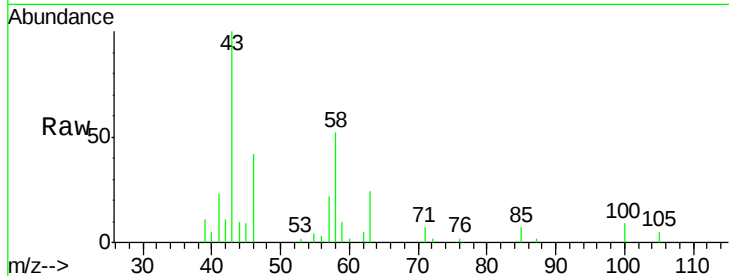
#48
2-Hexanone
Concen: 5.690 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VV008403.D
Acq: 24 Oct 2018 19:47

Instrument :
MSVOA_V
ClientSampleId :
MDL05

Tgt Ion:	43	Resp:	10353
Ion Ratio	Lower	Upper	
43	100		
58	50.8	42.6	63.8
57	18.3	14.8	22.2
100	9.5	8.5	12.7

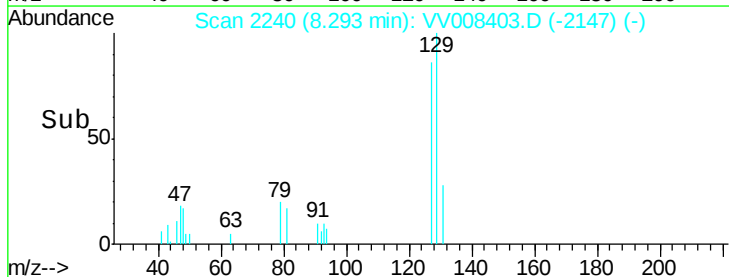
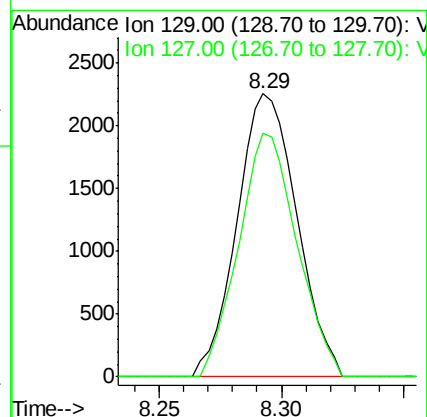
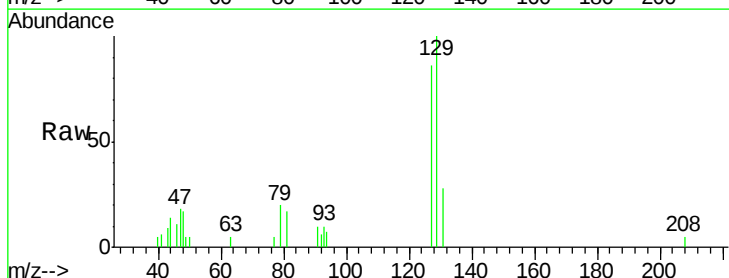
Manual Integrations
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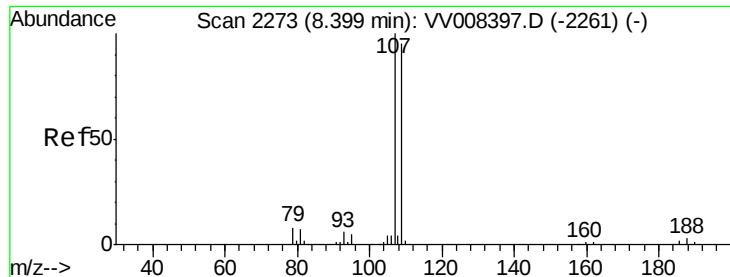
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#49
Dibromochloromethane
Concen: 2.537 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VV008403.D
Acq: 24 Oct 2018 19:47

Tgt Ion:	129	Resp:	3838
Ion Ratio	Lower	Upper	
129	100		
127	86.0	54.9	101.9





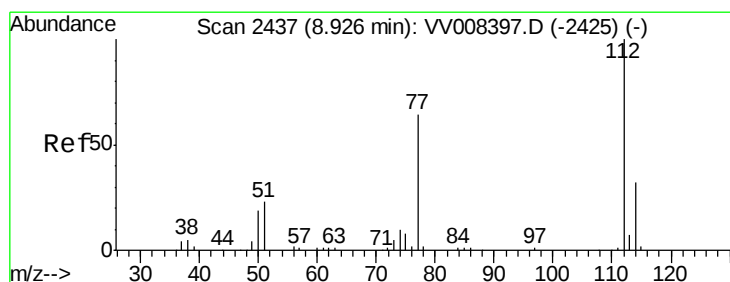
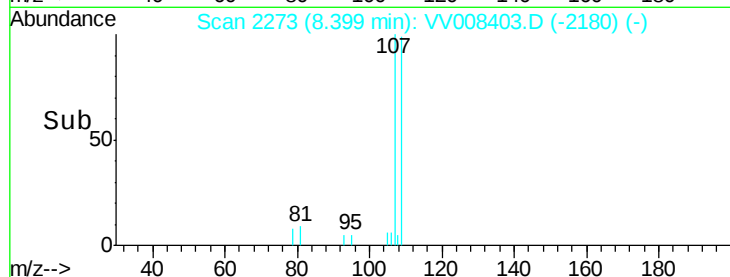
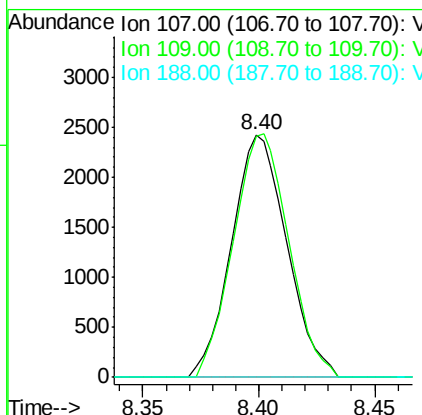
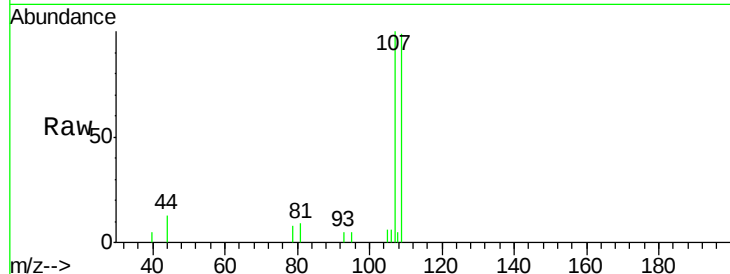
#50
1,2-Dibromoethane
Concen: 2.723 ug/L
RT: 8.40 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VV008403.D
Acq: 24 Oct 2018 19:47

Instrument :
MSVOA_V
ClientSampleId :
MDL05

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	4021		
109	99.4	65.2	121.2	
188	0.0	2.3	3.5#	

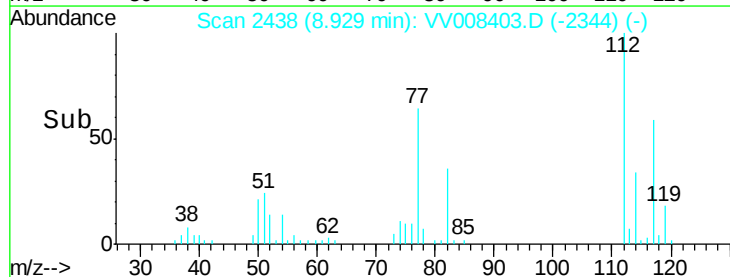
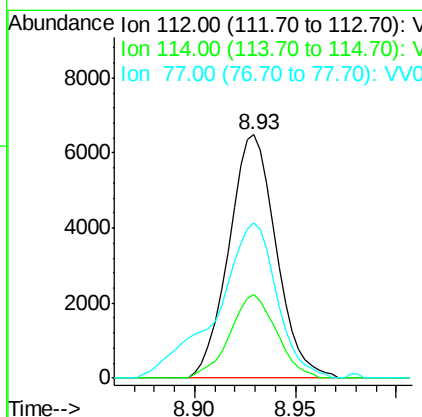
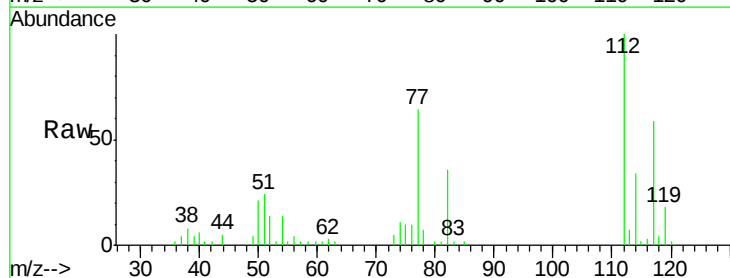
Manual Integrations
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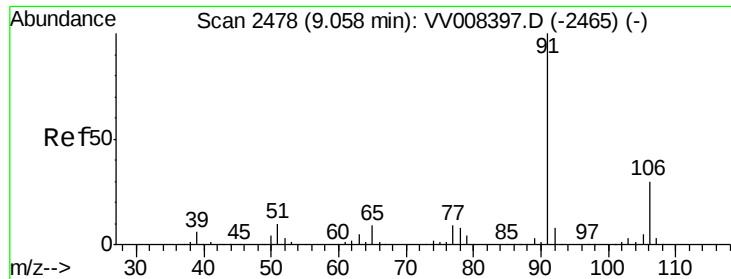
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#51
Chlorobenzene
Concen: 2.890 ug/L
RT: 8.93 min Scan# 2438
Delta R.T. 0.00 min
Lab File: VV008403.D
Acq: 24 Oct 2018 19:47

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	10657		
114	34.4	22.5	41.7	
77	63.6	52.0	78.0	





#52

Ethylbenzene

Concen: 2.827 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. -0.00 min

Lab File: VV008403.D

Acq: 24 Oct 2018 19:47

Tgt Ion: 91 Resp: 18966

Ion Ratio Lower Upper

91 100

106 30.7 21.3 39.5

Instrument :

MSVOA_V

ClientSampleId :

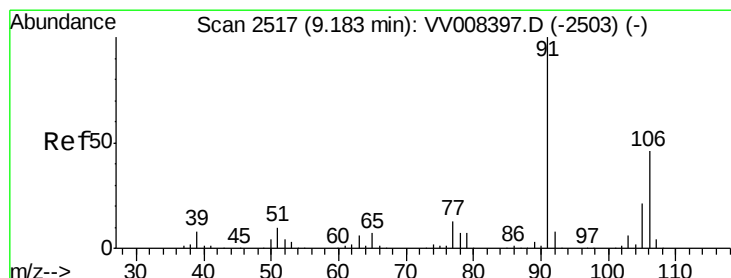
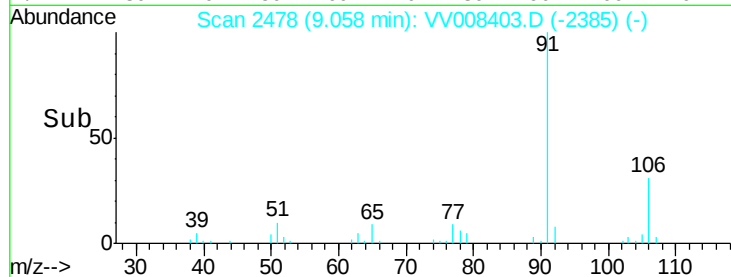
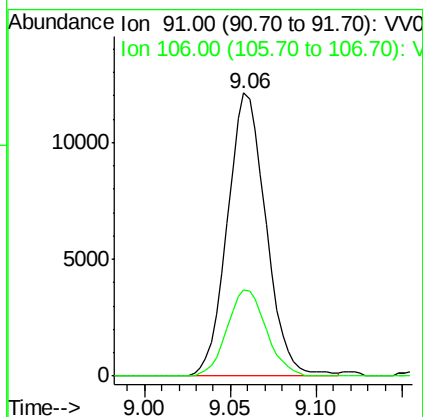
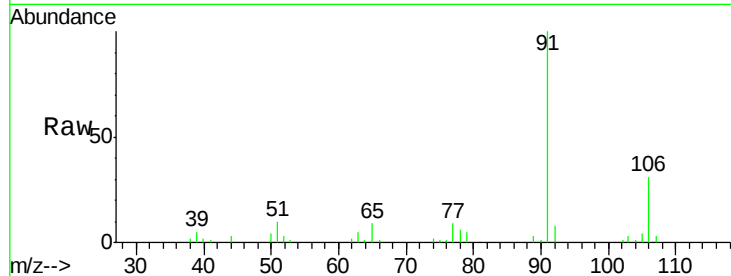
MDL05

Manual Integrations

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#53

m,p-Xylene

Concen: 2.752 ug/L

RT: 9.19 min Scan# 2518

Delta R.T. 0.00 min

Lab File: VV008403.D

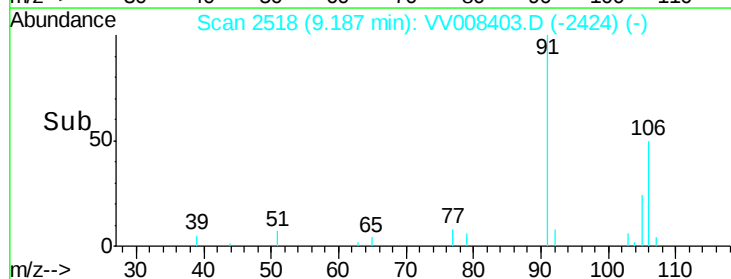
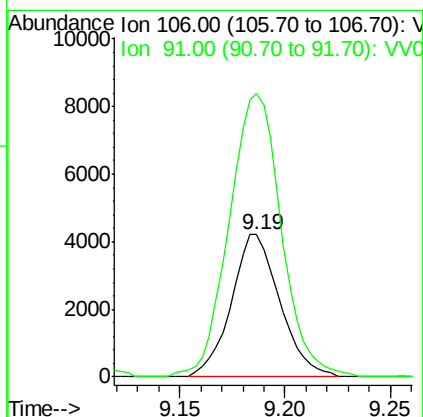
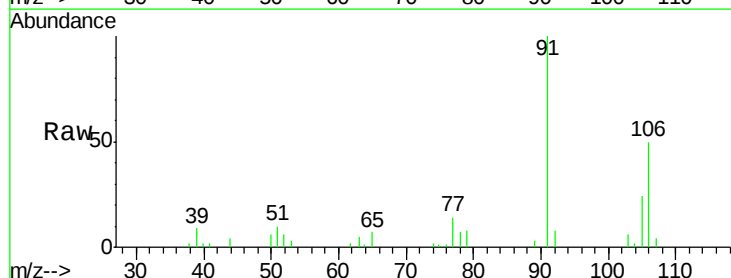
Acq: 24 Oct 2018 19:47

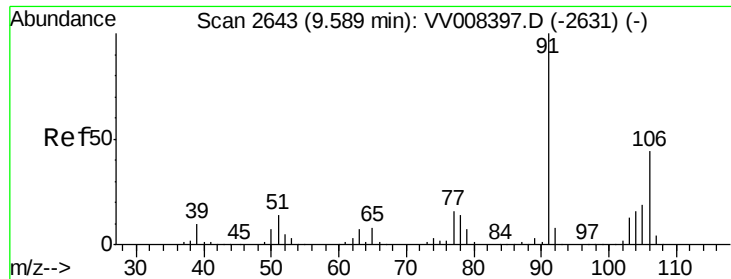
Tgt Ion: 106 Resp: 6744

Ion Ratio Lower Upper

106 100

91 199.3 150.0 278.6





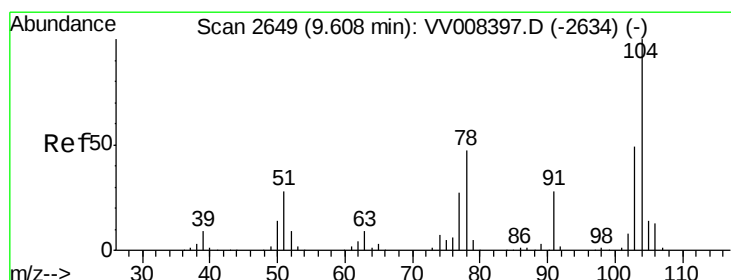
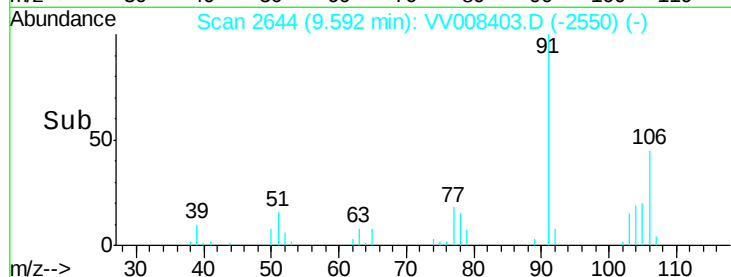
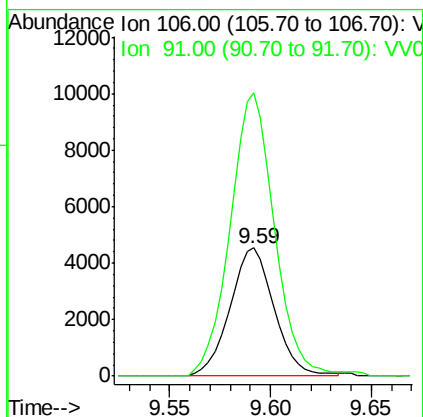
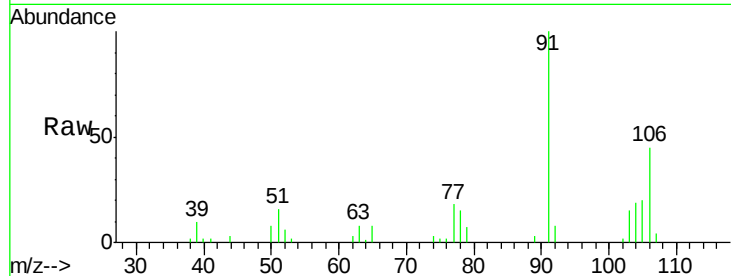
#54
o-xylene
Concen: 2.853 ug/L
RT: 9.59 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VV008403.D
Acq: 24 Oct 2018 19:47

Instrument :
MSVOA_V
ClientSampleId :
MDL05

Tgt Ion:106 Resp: 6982
Ion Ratio Lower Upper
106 100
91 220.4 158.7 294.7

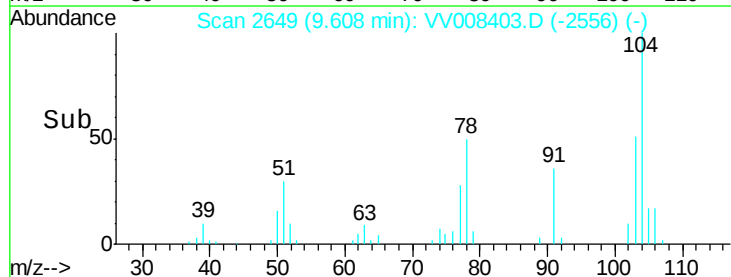
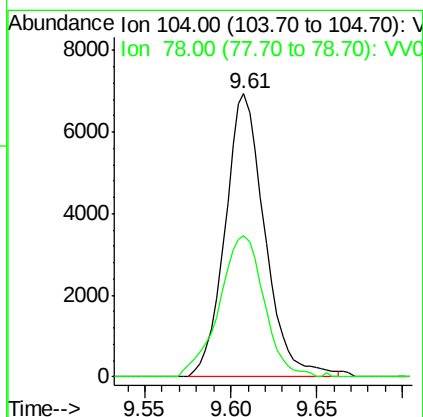
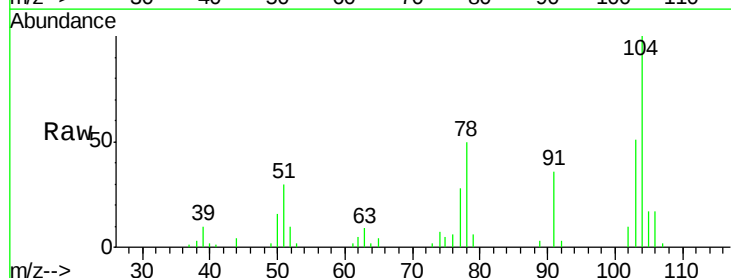
Manual Integrations
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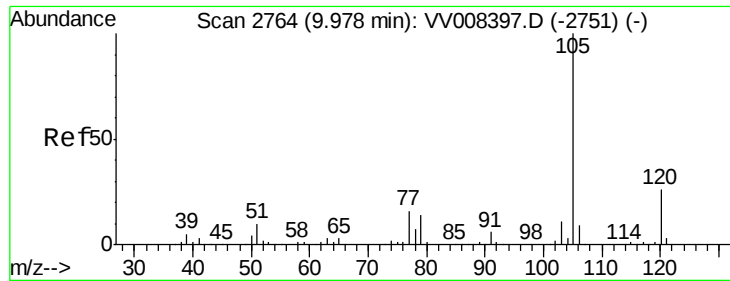
apatel
10/25/2018 4:41:14 PM



#55
Styrene
Concen: 2.719 ug/L
RT: 9.61 min Scan# 2649
Delta R.T. -0.00 min
Lab File: VV008403.D
Acq: 24 Oct 2018 19:47

Tgt Ion:104 Resp: 11212
Ion Ratio Lower Upper
104 100
78 49.8 34.4 64.0





#56

Isopropylbenzene

Concen: 2.704 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. -0.00 min

Lab File: VV008403.D

Acq: 24 Oct 2018 19:47

Instrument :

MSVOA_V

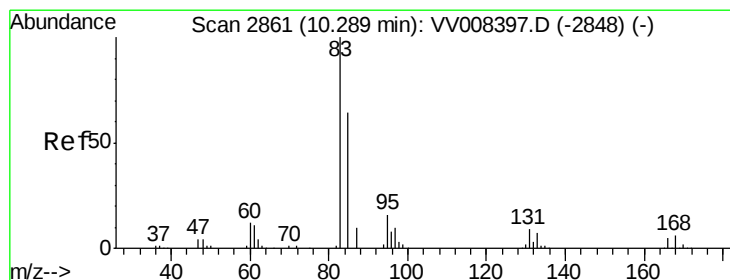
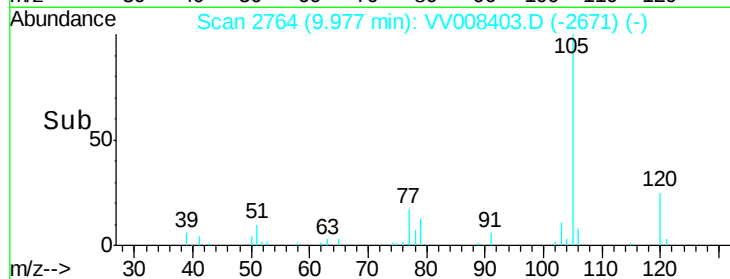
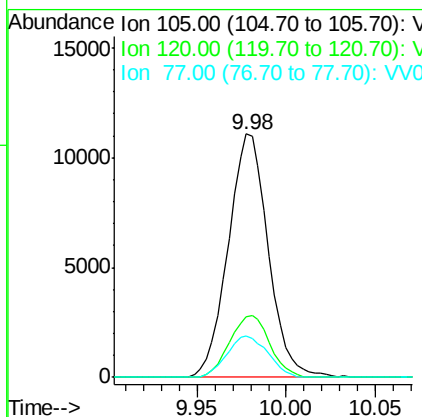
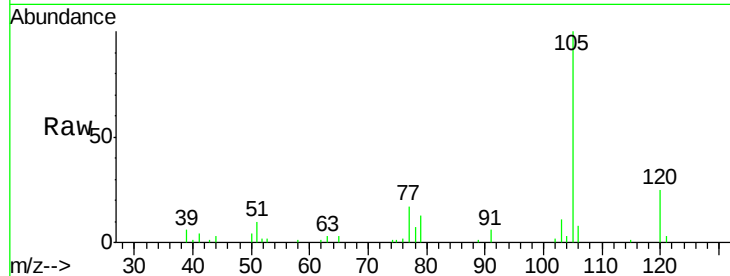
ClientSampleId :

MDL05

Tgt Ion:	105	Resp:	17315
Ion Ratio	Lower	Upper	
105	100		
120	25.3	20.7	31.1
77	17.3	13.5	20.3

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#58

1,1,2,2-Tetrachloroethane

Concen: 3.018 ug/L

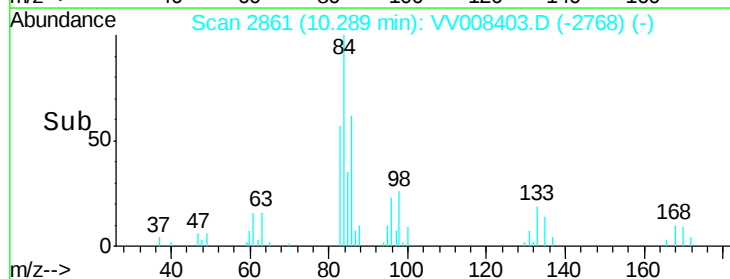
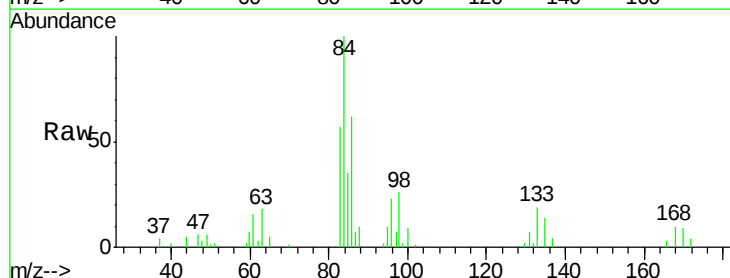
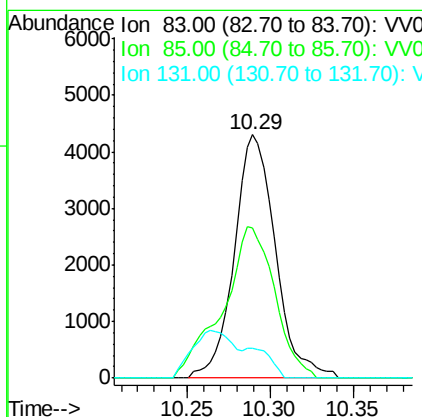
RT: 10.29 min Scan# 2861

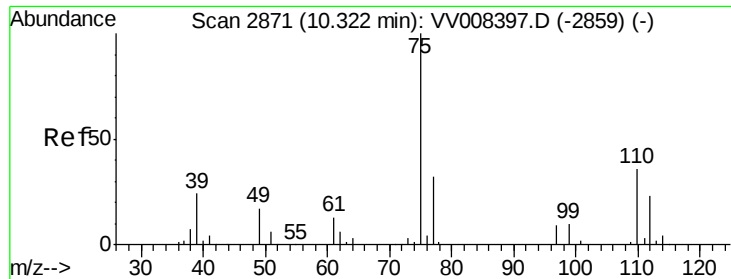
Delta R.T. -0.00 min

Lab File: VV008403.D

Acq: 24 Oct 2018 19:47

Tgt Ion:	83	Resp:	7440
Ion Ratio	Lower	Upper	
83	100		
85	61.7	45.8	85.2
131	12.2	7.3	10.9#





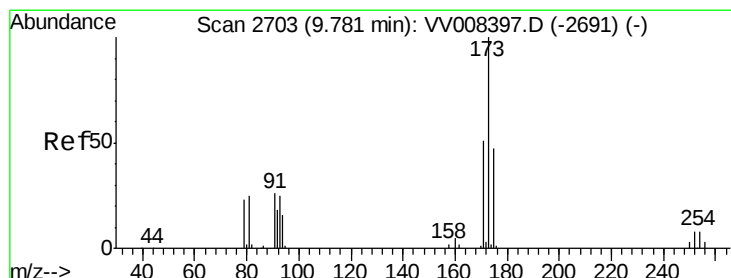
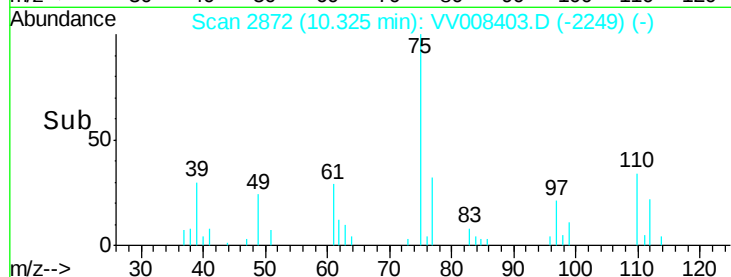
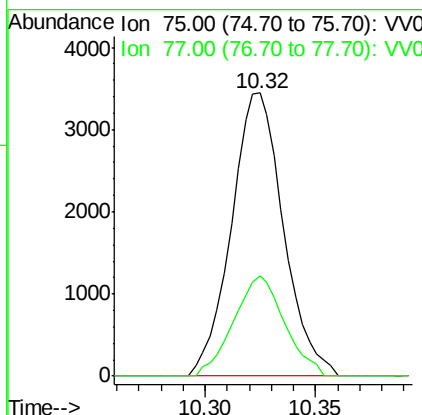
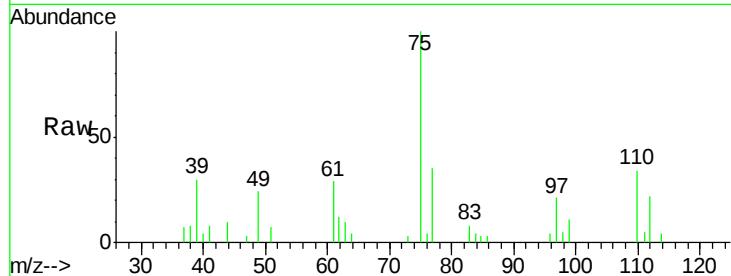
#59
1,2,3-Trichloropropane
Concen: 2.826 ug/L
RT: 10.32 min Scan# 2872
Delta R.T. 0.00 min
Lab File: VV008403.D
Acq: 24 Oct 2018 19:47

Instrument :
MSVOA_V
ClientSampleId :
MDL05

Tgt Ion: 75 Resp: 5640
Ion Ratio Lower Upper
75 100
77 34.5 25.8 38.8

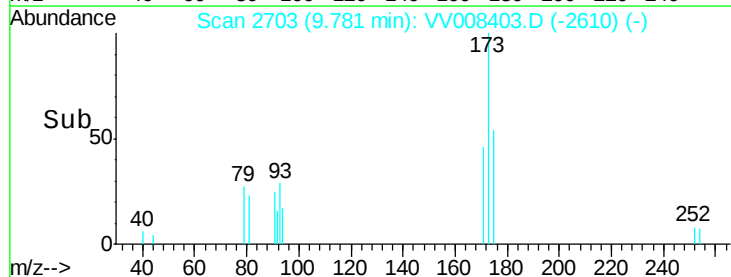
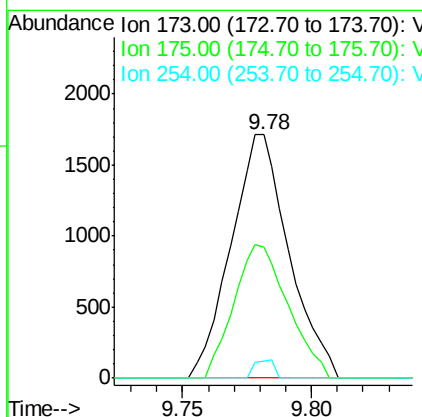
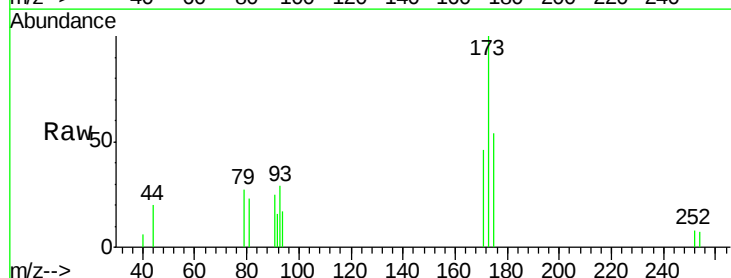
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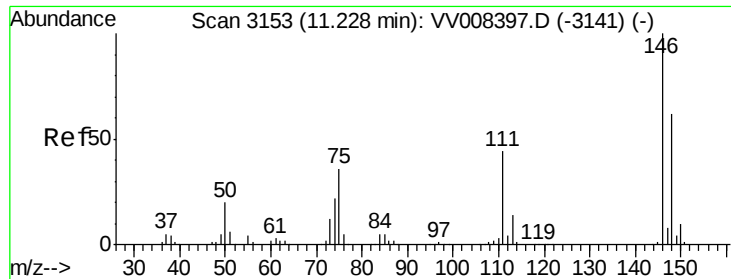
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#61
Bromoform
Concen: 2.884 ug/L
RT: 9.78 min Scan# 2703
Delta R.T. -0.00 min
Lab File: VV008403.D
Acq: 24 Oct 2018 19:47

Tgt Ion: 173 Resp: 2684
Ion Ratio Lower Upper
173 100
175 51.2 38.6 57.8
254 2.6 5.9 8.9#





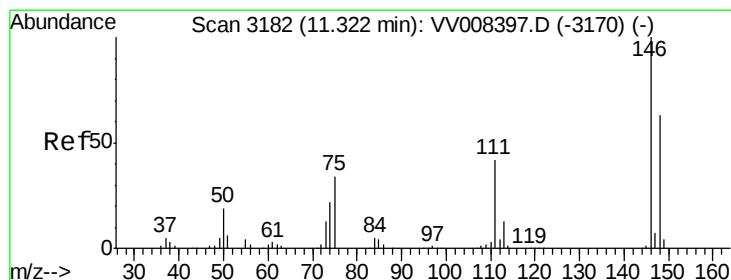
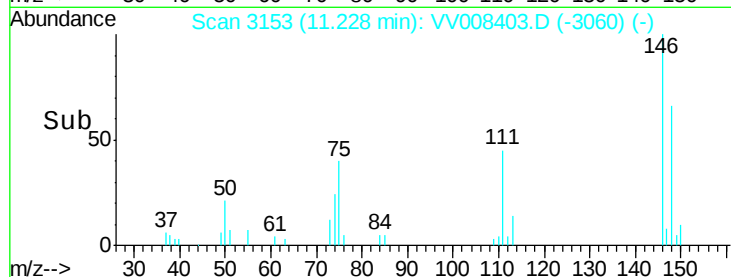
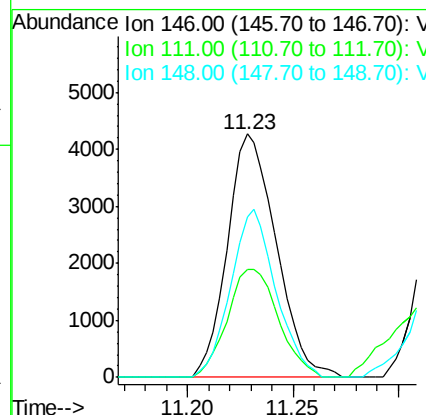
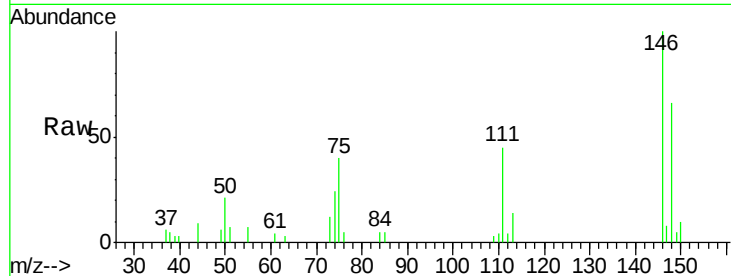
#62
 1,3-Dichlorobenzene
 Concen: 2.812 ug/L
 RT: 11.23 min Scan# 3153
 Delta R.T. -0.00 min
 Lab File: VV008403.D
 Acq: 24 Oct 2018 19:47

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.5	30.9	57.3
148	66.0	44.1	81.9

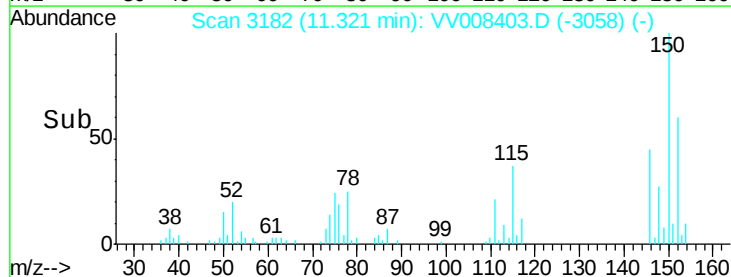
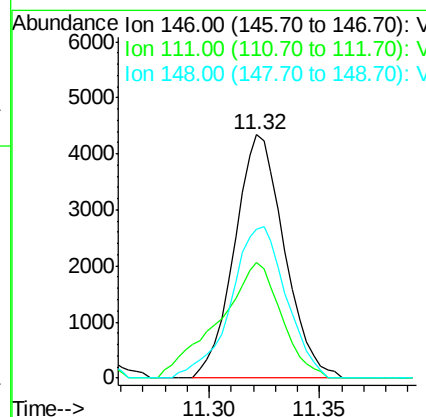
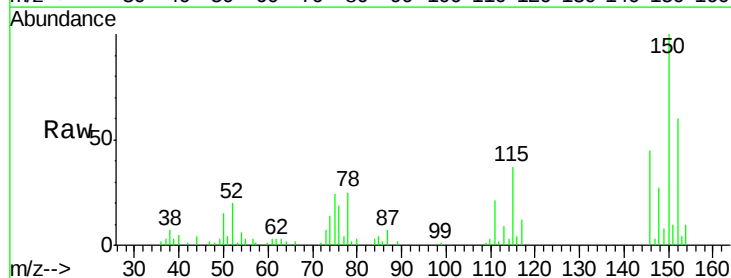
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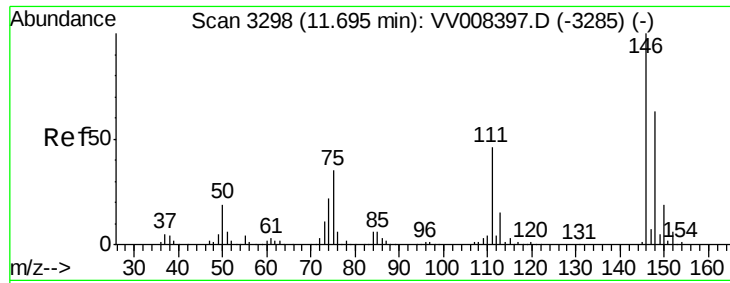
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#63
 1,4-Dichlorobenzene
 Concen: 2.785 ug/L
 RT: 11.32 min Scan# 3182
 Delta R.T. -0.00 min
 Lab File: VV008403.D
 Acq: 24 Oct 2018 19:47

Tgt Ion	Ratio	Lower	Upper
146	100		
111	47.7	29.8	55.4
148	61.3	44.4	82.5





#65

1,2-Dichlorobenzene

Concen: 2.929 ug/L

RT: 11.69 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VV008403.D

Acq: 24 Oct 2018 19:47

Instrument :

MSVOA_V

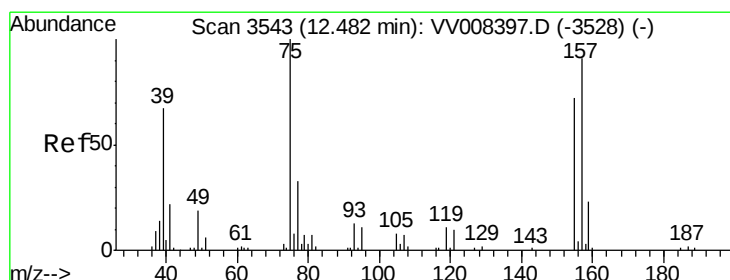
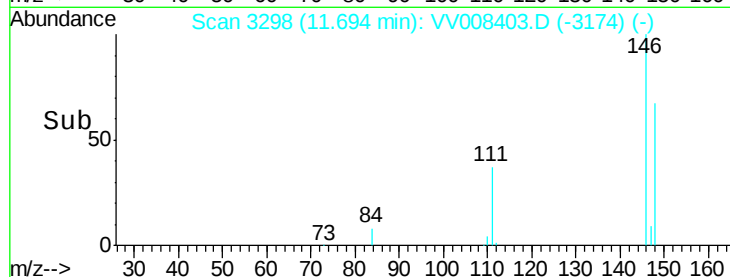
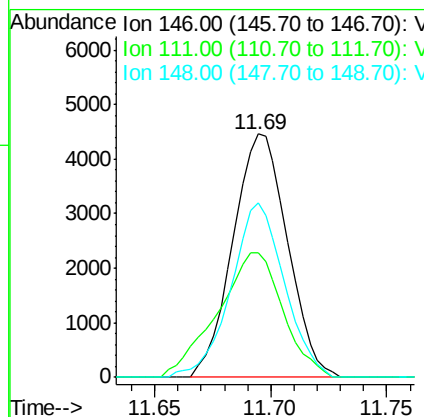
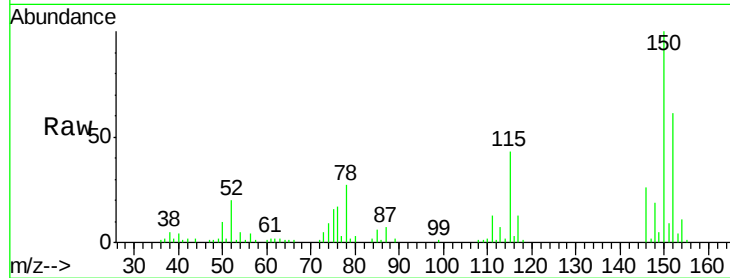
ClientSampled :

MDL05

Tgt Ion: 146 Resp: 7283
 Ion Ratio Lower Upper
 146 100
 111 51.1 36.2 54.2
 148 71.8 50.3 75.5

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#66

1,2-Dibromo-3-chloropropane

Concen: 2.781 ug/L

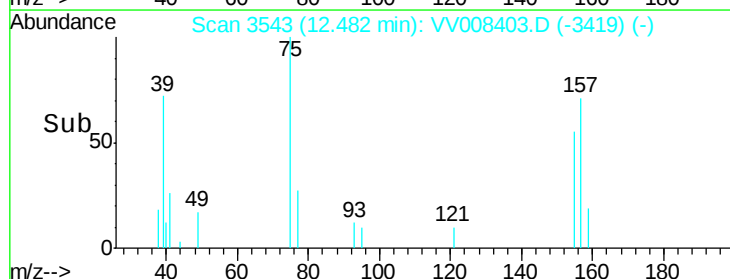
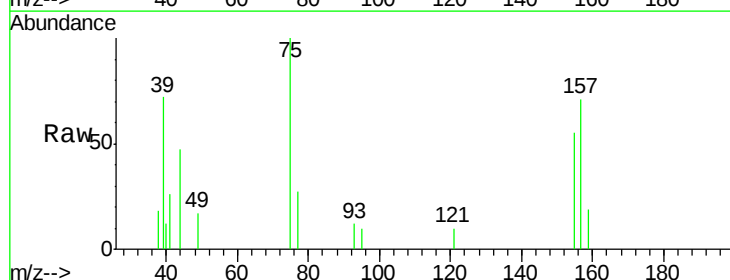
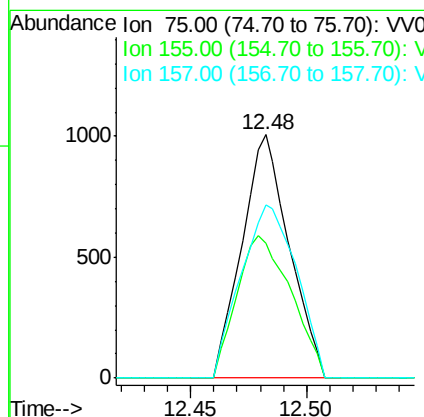
RT: 12.48 min Scan# 3543

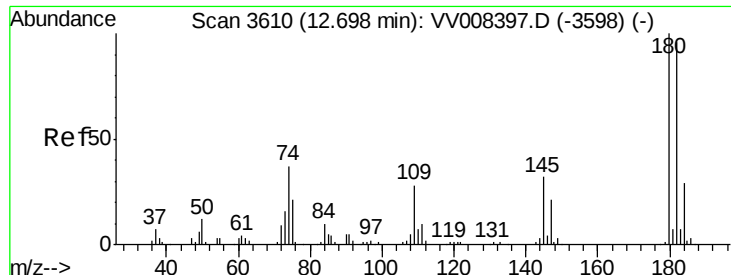
Delta R.T. -0.00 min

Lab File: VV008403.D

Acq: 24 Oct 2018 19:47

Tgt Ion: 75 Resp: 1422
 Ion Ratio Lower Upper
 75 100
 155 55.2 55.4 83.0#
 157 71.1 72.8 109.2#





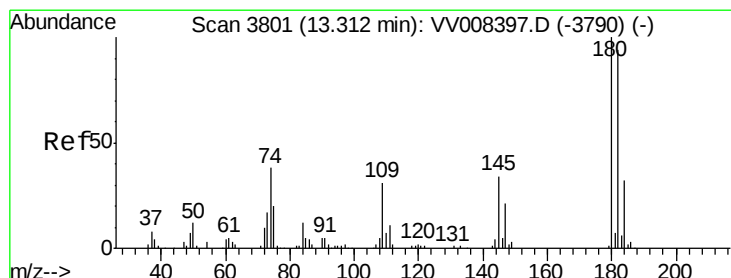
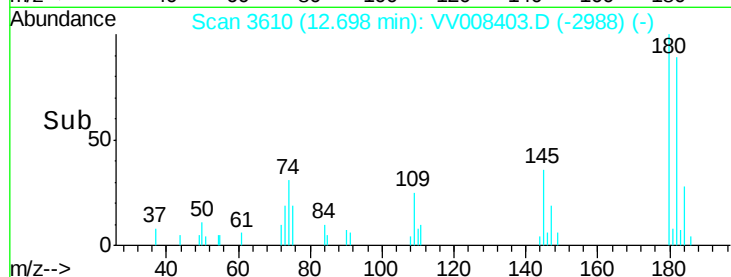
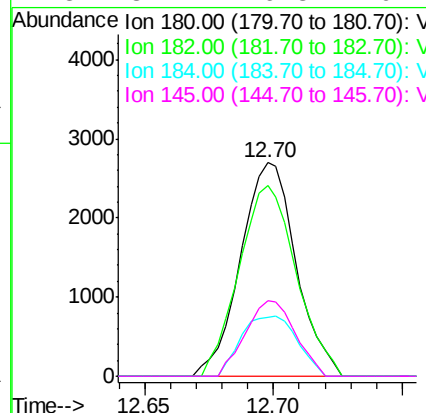
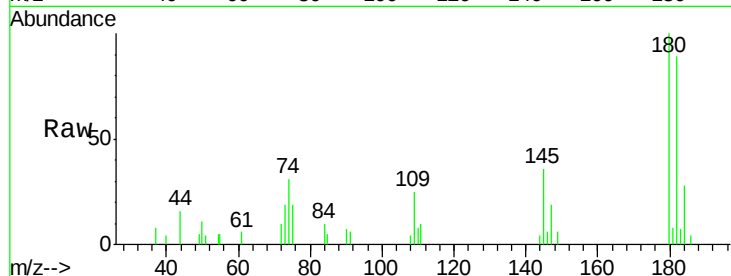
#67
 1,3,5-Trichlorobenzene
 Concen: 2.536 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. -0.00 min
 Lab File: VV008403.D
 Acq: 24 Oct 2018 19:47

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.4	75.9	113.9
184	28.7	24.1	36.1
145	31.7	26.8	40.2

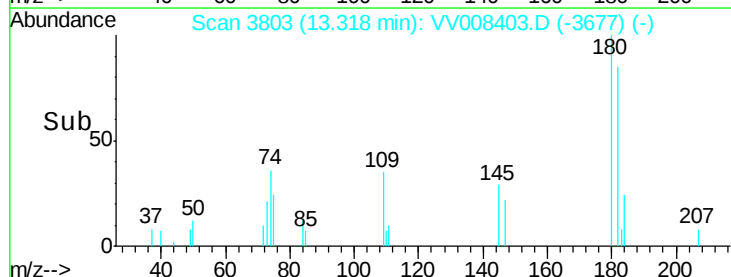
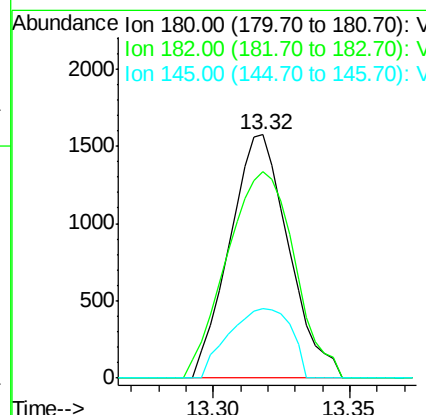
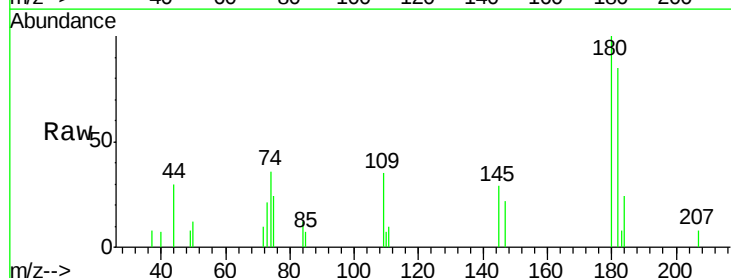
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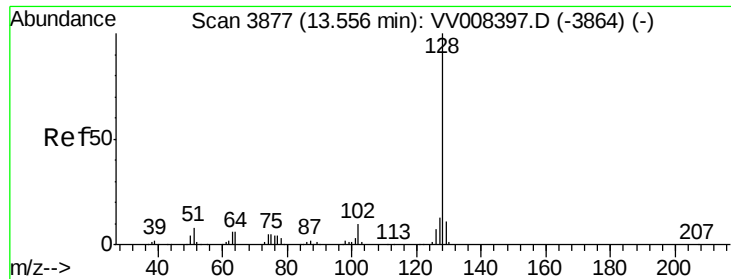
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#68
 1,2,4-trichlorobenzene
 Concen: 1.835 ug/L
 RT: 13.32 min Scan# 3803
 Delta R.T. 0.01 min
 Lab File: VV008403.D
 Acq: 24 Oct 2018 19:47

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.1	75.4	113.2
145	30.0	27.0	40.6





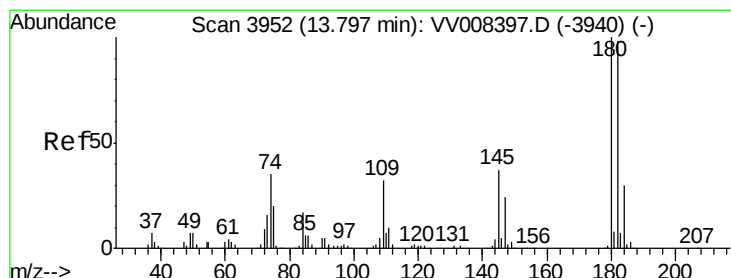
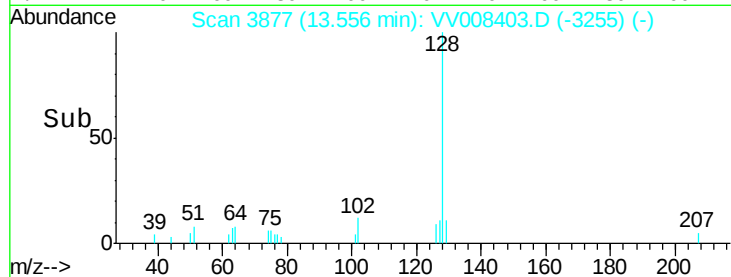
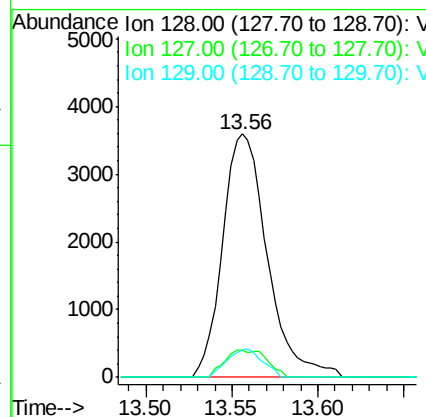
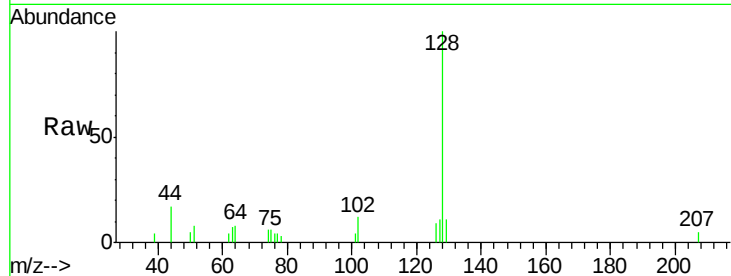
#69
Naphthalene
Concen: 1.561 ug/L
RT: 13.56 min Scan# 3877
Delta R.T. -0.00 min
Lab File: VV008403.D
Acq: 24 Oct 2018 19:47

Instrument :
MSVOA_V
ClientSampleId :
MDL05

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	6505		
127	6.1	10.6	15.8	
129	9.2	8.9	13.3	

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#70
1,2,3-Trichlorobenzene
Concen: 2.006 ug/L
RT: 13.80 min Scan# 3952
Delta R.T. -0.00 min
Lab File: VV008403.D
Acq: 24 Oct 2018 19:47

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	2583		
182	85.9	75.7	113.5	
145	35.5	28.6	43.0	

