

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW102318\
 Data File : VW006294.D
 Acq On : 23 Oct 2018 14:15
 Operator : SY/AP
 Sample : MDL
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL

Manual Integrations
 APPROVED

MMDadoda
 10/24/2018 2:07:06 PM

Quant Time: Oct 24 02:18:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM100918S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 24 01:59:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	403753	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	379416	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	200194	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	81945	18.00	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	72.00%
7) Chloroethane-d5	2.89	69	80441	20.52	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.08%
10) 1,1-Dichloroethene-d2	4.01	63	129995	14.87	ug/L	-0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	59.48%
20) 2-Butanone-d5	7.09	46	47339	31.36	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	62.72%
24) Chloroform-d	7.65	84	180407	20.63	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	82.52%
26) 1,2-Dichloroethane-d4	8.31	65	101209	20.92	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	83.68%
29) Benzene-d6	8.27	84	368049	21.37	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	85.48%
33) 1,2-Dichloropropane-d6	9.27	67	104947	20.19	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	80.76%
37) Toluene-d8	10.32	98	363118	21.08	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	84.32%
38) trans-1,3-Dichloropropene-	10.58	79	43018	17.03	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	68.12%
39) 2-Hexanone-d5	10.93	63	40095	31.92	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	63.84%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	93723	18.54	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	74.16%
61) 1,2-Dichlorobenzene-d4	13.86	152	150406	21.92	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	87.68%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	4948m	1.297 ug/L	
3) Chloromethane	2.21	50	4766	1.272 ug/L	93
5) Vinyl chloride	2.37	62	6592	1.091 ug/L #	74
6) Bromomethane	2.79	94	5012	1.066 ug/L	98
8) Chloroethane	2.93	64	4361m	1.178 ug/L	
9) Trichlorofluoromethane	3.26	101	4421m	0.915 ug/L	
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	6952m	1.439 ug/L	
12) 1,1-Dichloroethene	4.03	96	5789	1.249 ug/L #	1
13) Acetone	4.15	43	3710	2.433 ug/L	98
14) Carbon disulfide	4.37	76	13319	0.879 ug/L	99
15) Methyl Acetate	4.68	43	2275m	0.921 ug/L	
16) Methylene chloride	4.92	84	13170	2.526 ug/L	93
17) Methyl tert-butyl Ether	5.43	73	7154	0.948 ug/L	95
18) trans-1,2-Dichloroethene	5.41	96	5280	1.029 ug/L	84
19) 1,1-Dichloroethane	6.21	63	8630	1.039 ug/L	98
21) 2-Butanone	7.18	43	4323	2.134 ug/L	74
22) cis-1,2-Dichloroethene	7.17	96	5754	1.028 ug/L	86

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

23) Bromochloromethane	7.51	128	2598	0.987	ug/L	94
25) Chloroform	7.67	83	10015	1.120	ug/L	76
27) 1,2-Dichloroethane	8.40	62	6311	1.036	ug/L #	93
30) Cyclohexane	7.95	56	7735	0.928	ug/L	94
31) 1,1,1-Trichloroethane	7.87	97	7821	0.985	ug/L	98
32) Carbon tetrachloride	8.07	117	7478	0.960	ug/L	98
34) Benzene	8.32	78	20577	1.056	ug/L	100
35) Trichloroethene	9.09	95	5658	1.032	ug/L	98
36) Methylcyclohexane	9.34	83	10049	1.001	ug/L	99
40) 1,2-Dichloropropane	9.37	63	4647	0.962	ug/L	99
41) Bromodichloromethane	9.65	83	5901	0.904	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	7063	0.895	ug/L	95
43) 4-Methyl-2-pentanone	10.21	43	6456	1.667	ug/L	97
44) Toluene	10.39	91	23692	1.083	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	7868	1.141	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	3823	0.950	ug/L	92
47) Tetrachloroethene	10.87	164	5476	1.079	ug/L	87
49) 2-Hexanone	10.97	43	4021	1.409	ug/L	92
50) Dibromochloromethane	11.13	129	4177	0.810	ug/L	95
51) 1,2-Dibromoethane	11.24	107	3815	0.911	ug/L	84
52) Chlorobenzene	11.66	112	15906	1.075	ug/L	99
53) Ethylbenzene	11.73	91	25705	1.010	ug/L	97
54) m,p-Xylene	11.84	106	9973	0.999	ug/L	94
55) o-xylene	12.17	106	8764	0.920	ug/L	94
56) Styrene	12.18	104	14654	0.893	ug/L	93
57) Isopropylbenzene	12.47	105	25321	0.955	ug/L	98
58) 1,1,2,2-Tetrachloroethane	12.72	83	5365	1.026	ug/L #	96
59) 1,2,3-Trichloropropane	12.77	75	3523	0.903	ug/L	92
62) Bromoform	12.35	173	2425	0.723	ug/L	99
63) 1,3-Dichlorobenzene	13.51	146	13161	1.071	ug/L	96
64) 1,4-Dichlorobenzene	13.58	146	13598	1.098	ug/L	97
65) 1,2-Dichlorobenzene	13.88	146	12530	1.108	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.49	75	794m	0.872	ug/L	
67) 1,3,5-Trichlorobenzene	14.64	180	11059	1.116	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	8936	1.057	ug/L	99
69) Naphthalene	15.38	128	14585	0.852	ug/L	99
70) 1,2,3-Trichlorobenzene	15.57	180	7583	0.999	ug/L	95

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

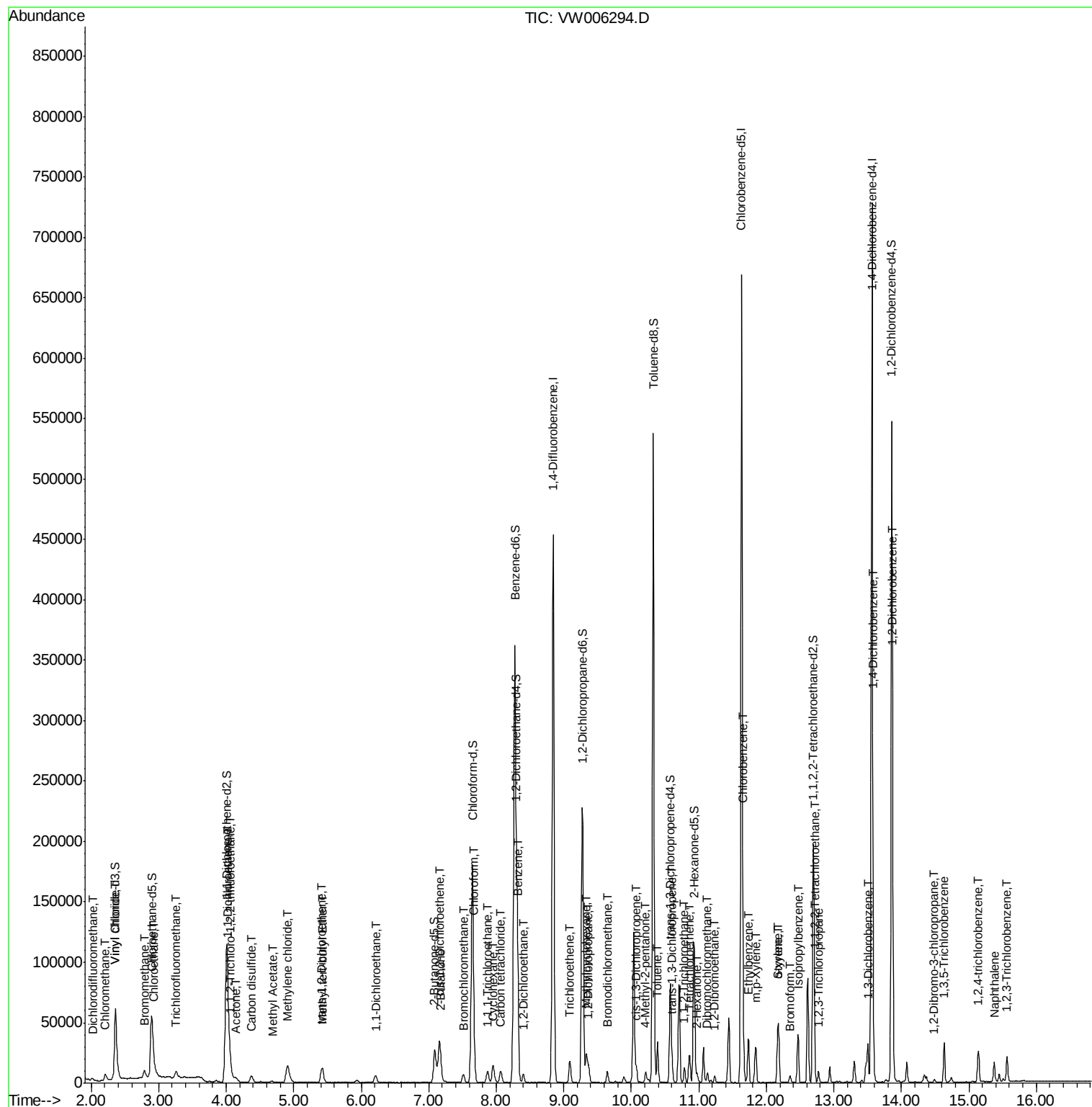
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW102318\
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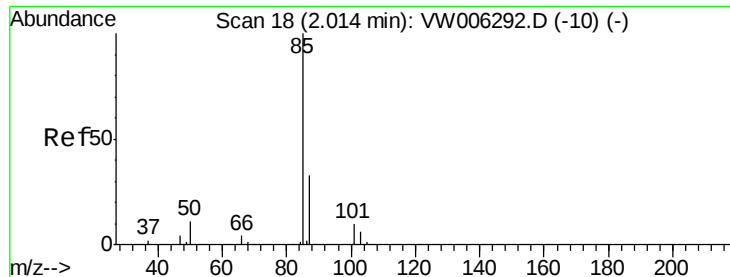
Instrument :
MSVOA_W
ClientSampled :
MDL

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#2

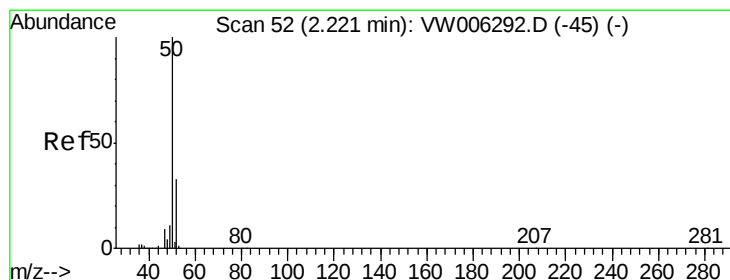
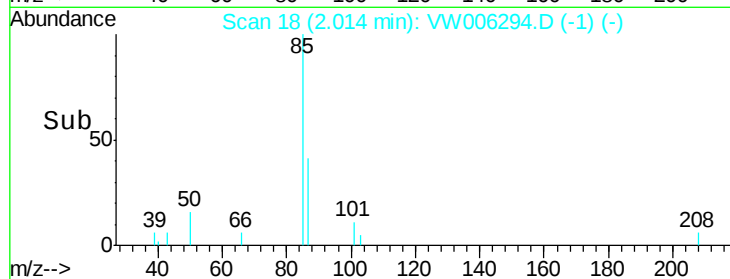
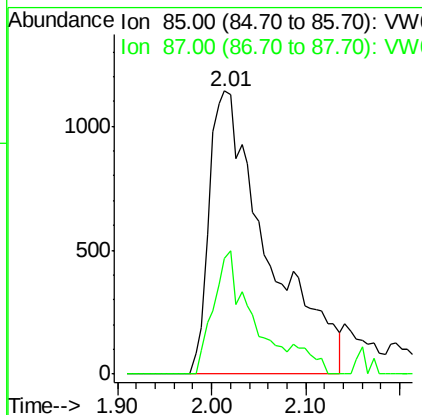
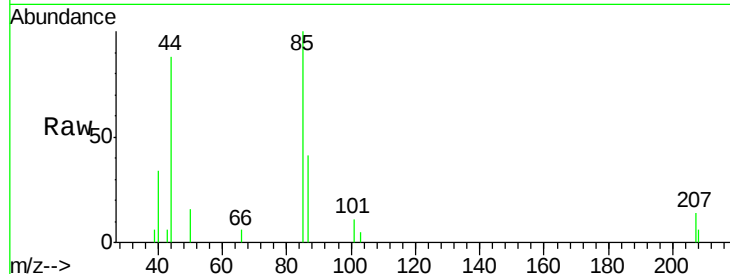
Dichlorodifluoromethane
Concen: 1.297 ug/L m
RT: 2.01 min Scan# 18
Delta R.T. -0.00 min
Lab File: VW006294.D
Acq: 23 Oct 2018 14:15

Instrument :
MSVOA_W
ClientSampleId :
MDL

Tgt Ion	Ratio	Lower	Upper
85	100		
87	0.5	19.2	35.6#

Manual Integrations
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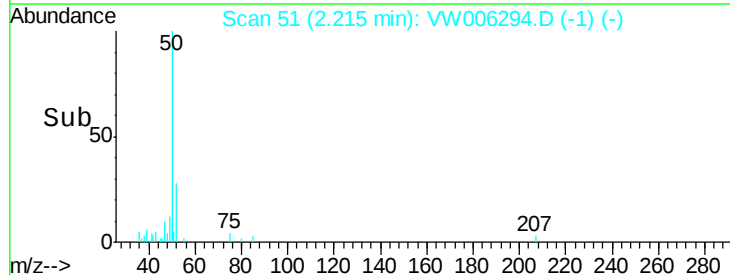
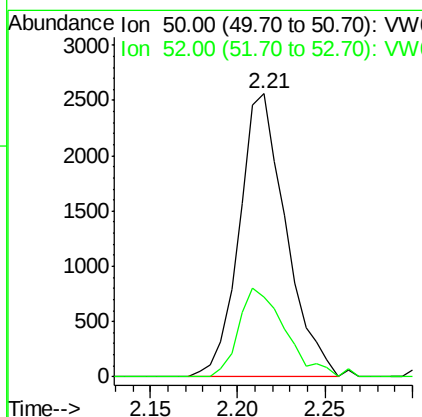
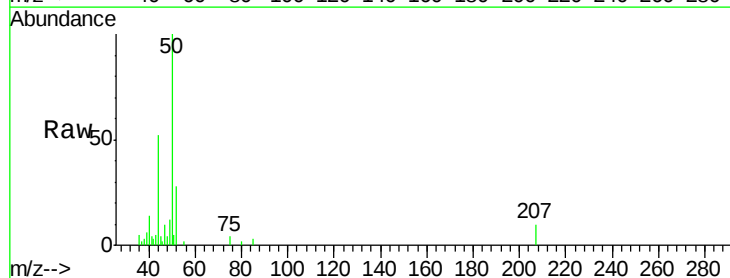
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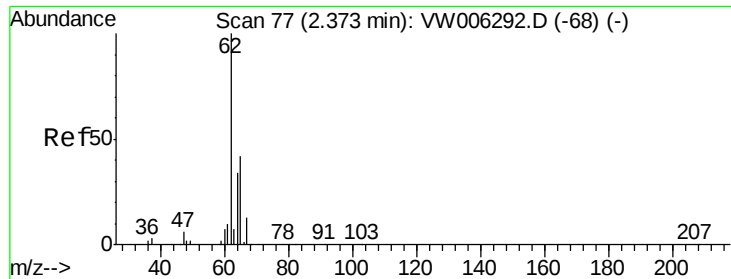


#3

Chloromethane
Concen: 1.272 ug/L
RT: 2.21 min Scan# 51
Delta R.T. -0.01 min
Lab File: VW006294.D
Acq: 23 Oct 2018 14:15

Tgt Ion	Ratio	Lower	Upper
50	100		
52	28.0	22.3	41.3





#5

Vinyl chloride

Concen: 1.091 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.01 min

Lab File: VW006294.D

Acq: 23 Oct 2018 14:15

Instrument :

MSVOA_W

ClientSampled :

MDL

Tgt Ion: 62 Resp: 6592

Ion Ratio Lower Upper

62 100

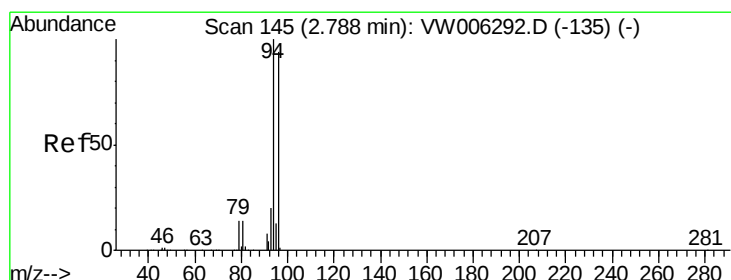
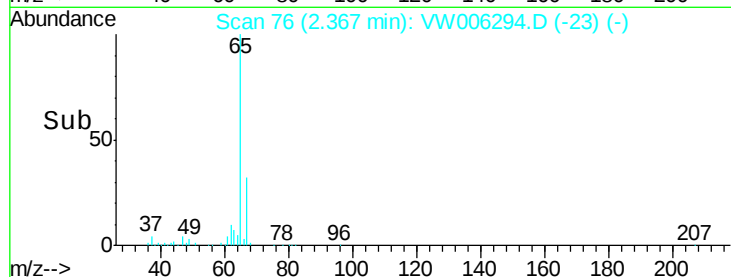
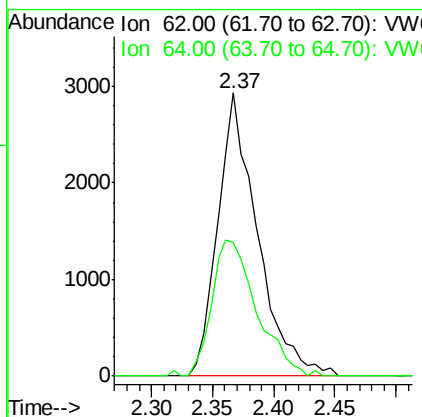
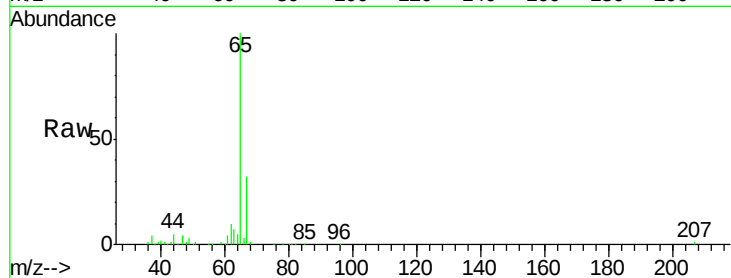
64 47.2 22.7 42.3#

Manual Integrations

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#6

Bromomethane

Concen: 1.066 ug/L

RT: 2.79 min Scan# 145

Delta R.T. -0.00 min

Lab File: VW006294.D

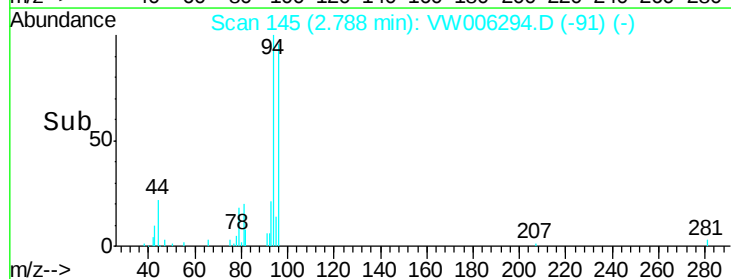
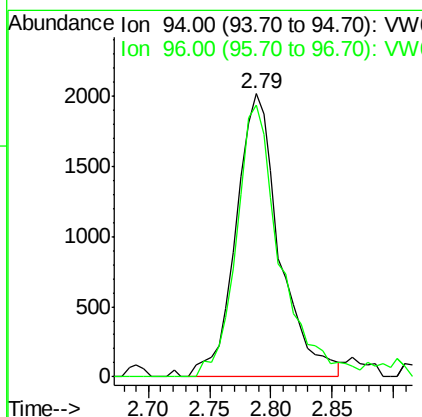
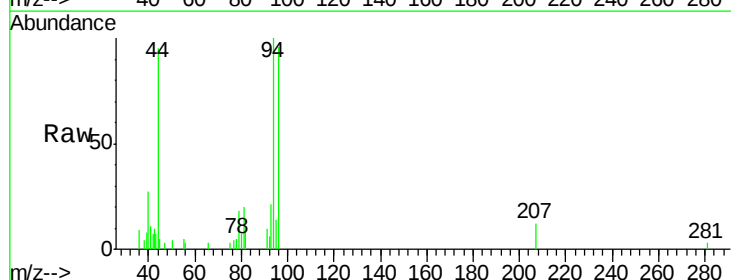
Acq: 23 Oct 2018 14:15

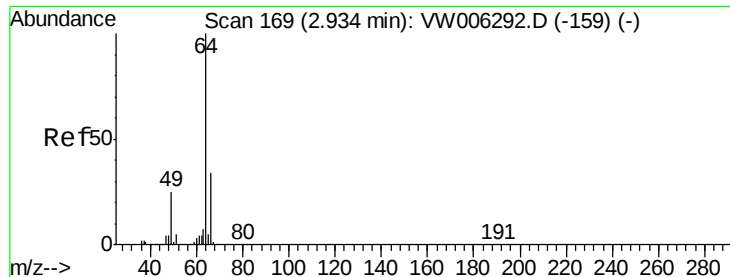
Tgt Ion: 94 Resp: 5012

Ion Ratio Lower Upper

94 100

96 93.6 9.5 181.3





#8

Chloroethane

Concen: 1.178 ug/L m

RT: 2.93 min Scan# 168

Delta R.T. -0.01 min

Lab File: VW006294.D

Acq: 23 Oct 2018 14:15

Instrument :

MSVOA_W

ClientSampleId :

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Tgt Ion: 64 Resp: 4361

Ion Ratio Lower Upper

64 100

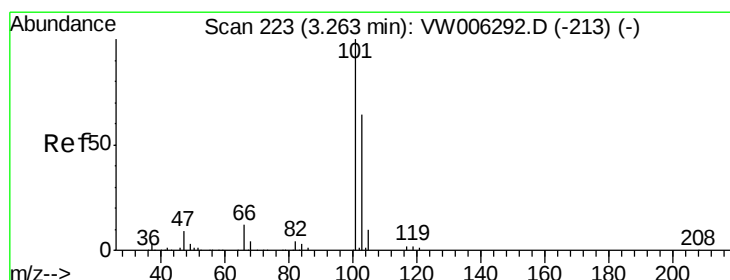
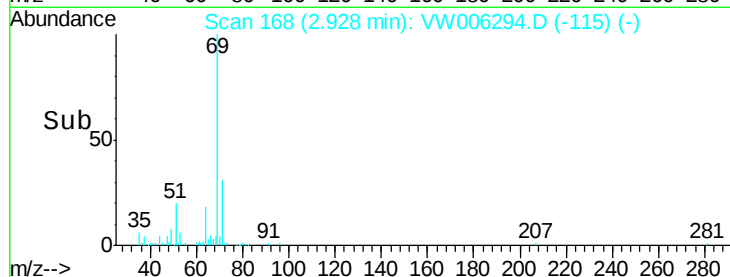
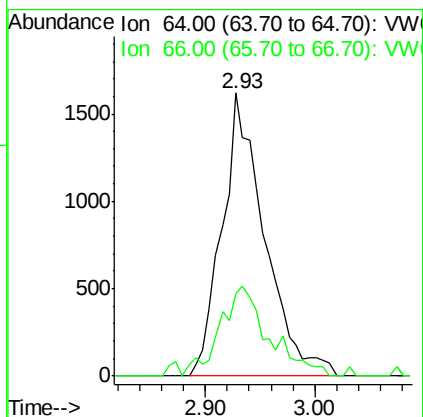
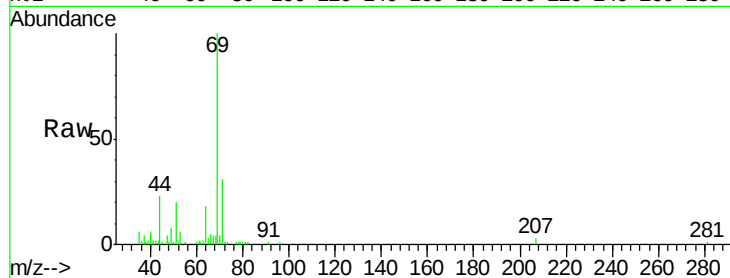
66 29.0 22.7 42.1

Manual Integrations

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#9

Trichlorofluoromethane

Concen: 0.915 ug/L m

RT: 3.26 min Scan# 222

Delta R.T. -0.01 min

Lab File: VW006294.D

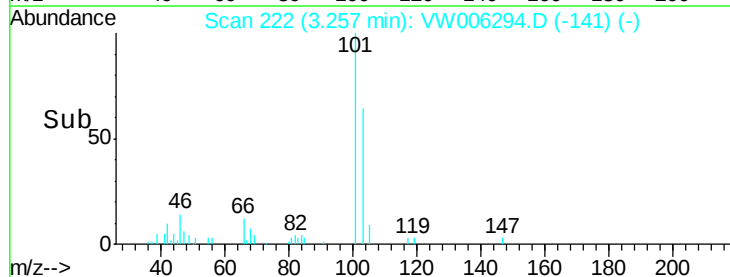
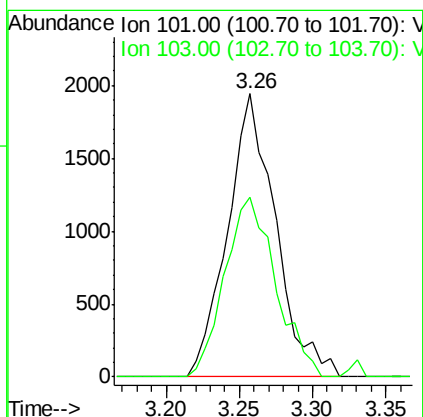
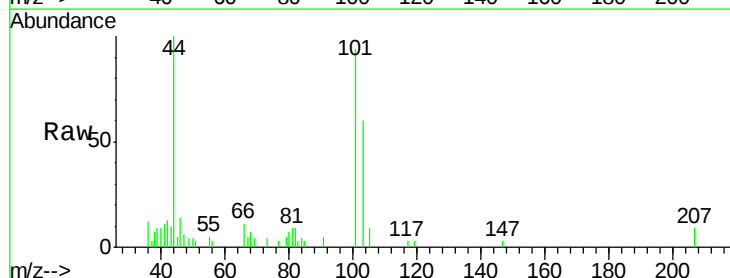
Acq: 23 Oct 2018 14:15

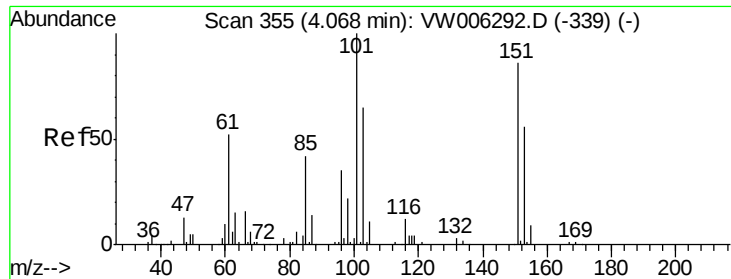
Tgt Ion: 101 Resp: 4421

Ion Ratio Lower Upper

101 100

103 67.3 45.6 84.6





#11

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

Concen: 1.439 ug/L m

RT: 4.07 min Scan# 355

Delta R.T. 0.00 min

Lab File: VW006294.D

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MSVOA_W

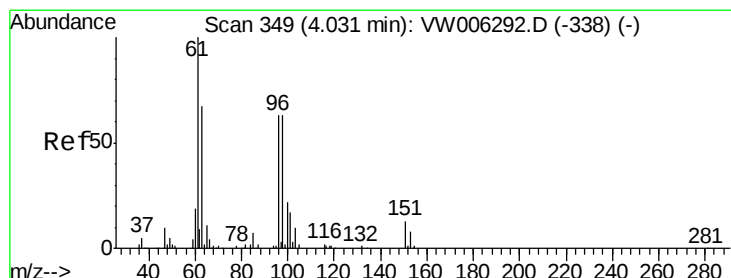
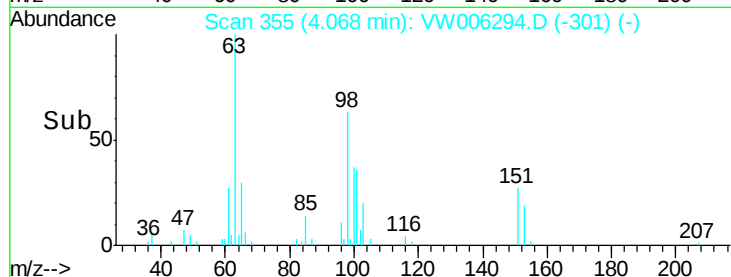
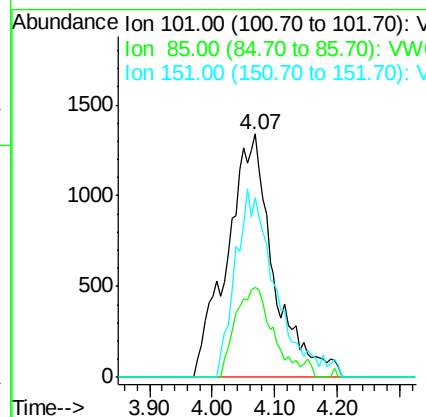
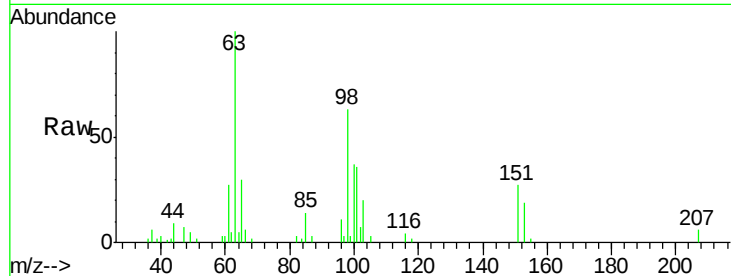
ClientSampleId :

MDL

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	6952		
85	29.6	33.4	50.2#	
151	27.9	68.7	103.1#	

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#12

1,1-Dichloroethene

Concen: 1.249 ug/L

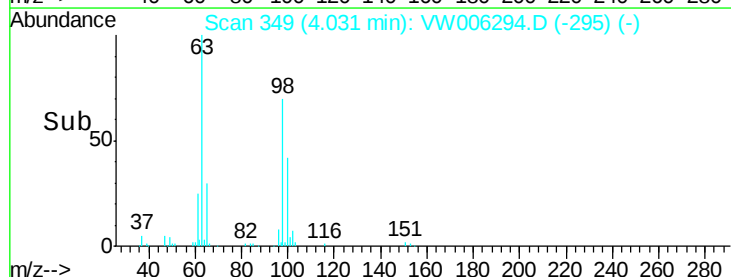
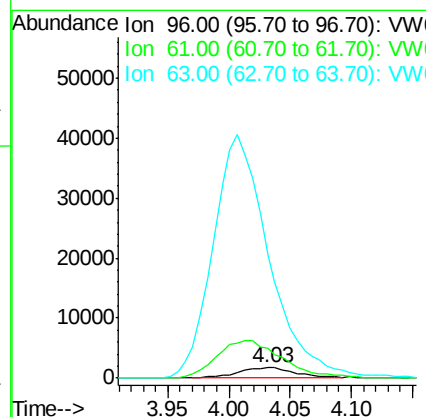
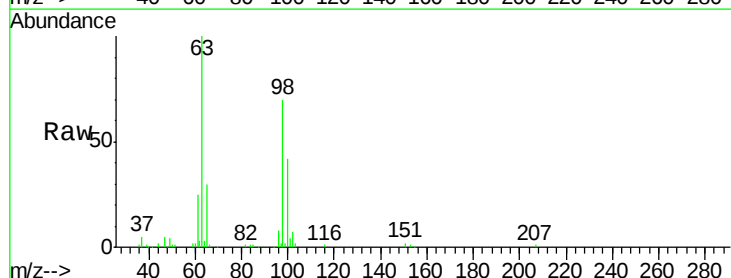
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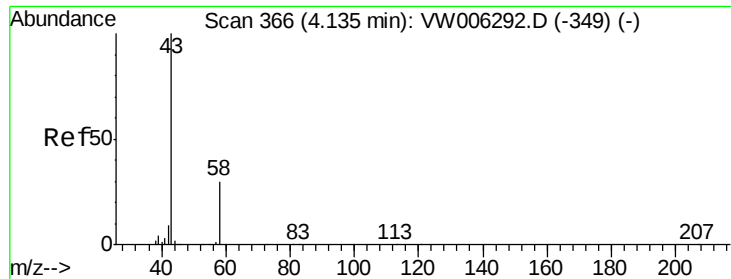
Delta R.T. -0.00 min

Lab File: VW006294.D

Acq: 23 Oct 2018 14:15

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	5789		
61	290.9	112.3	208.7#	
63	1183.4	102.6	190.6#	





#13

Acetone

Concen: 2.433 ug/L

RT: 4.15 min Scan# 368

Delta R.T. 0.01 min

Lab File: VW006294.D

Acq: 23 Oct 2018 14:15

Instrument :

MSVOA_W

ClientSampleId :

MDL

Tgt Ion: 43 Resp: 3710

Ion Ratio Lower Upper

43 100

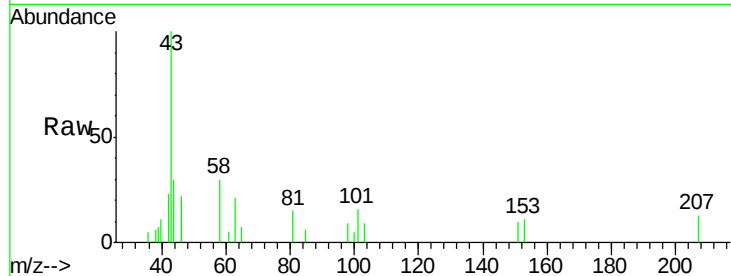
58 29.3 0.0 61.2

Manual Integrations

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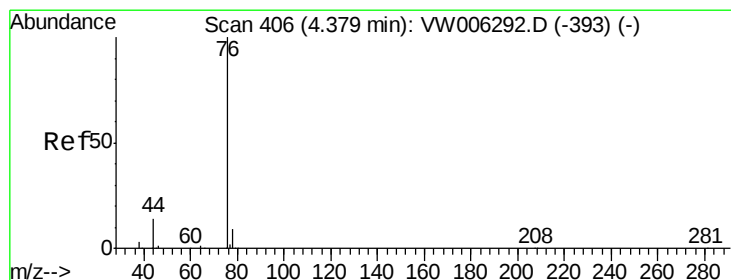
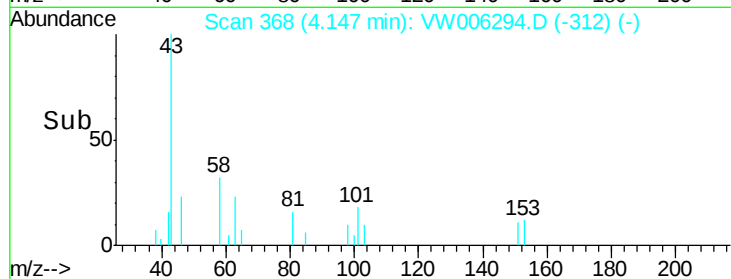
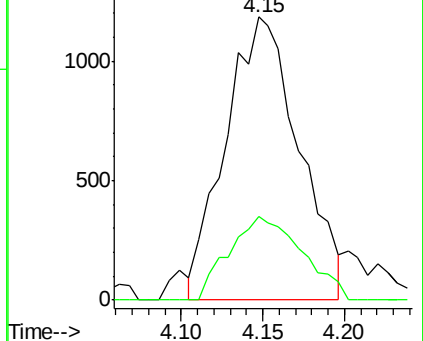
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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 0.879 ug/L

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW006294.D

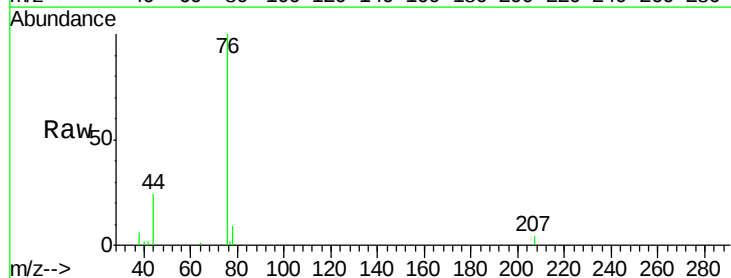
Acq: 23 Oct 2018 14:15

Tgt Ion: 76 Resp: 13319

Ion Ratio Lower Upper

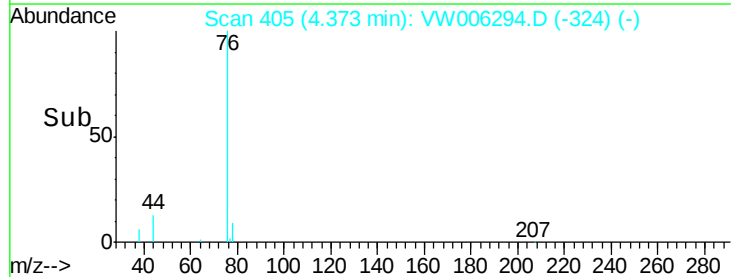
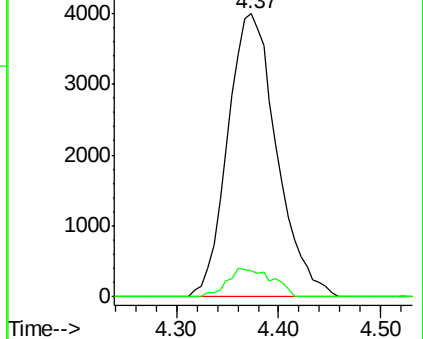
76 100

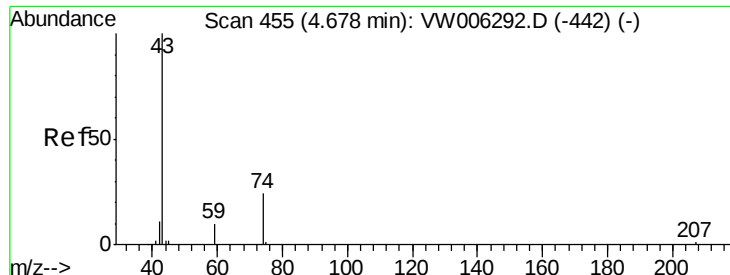
78 9.0 7.6 11.4



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW





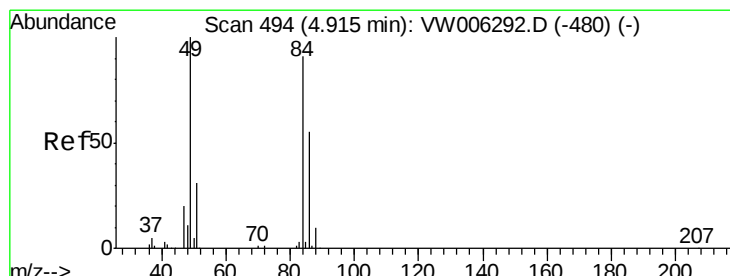
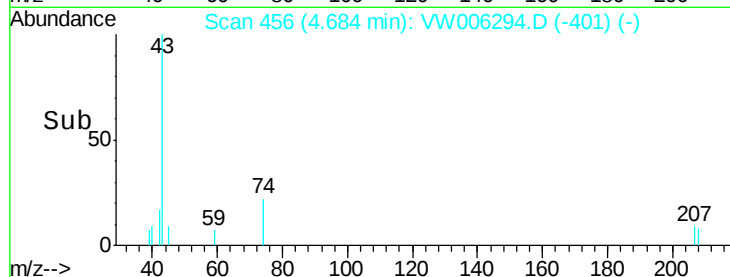
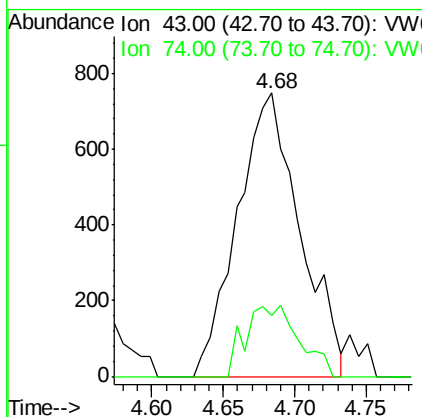
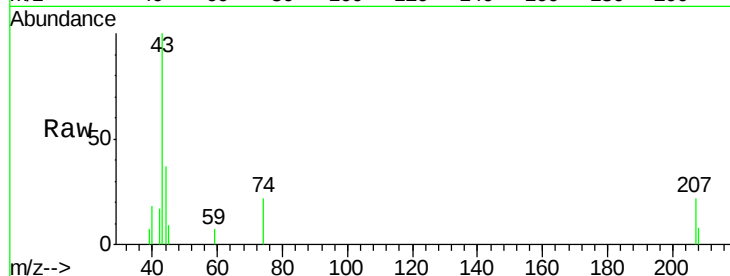
#15
Methyl Acetate
Concen: 0.921 ug/L m
RT: 4.68 min Scan# 456
Delta R.T. 0.01 min
Lab File: VW006294.D
Acq: 23 Oct 2018 14:15

Instrument :
MSVOA_W
ClientSampled :
MDL

Tgt Ion: 43 Resp: 2275
Ion Ratio Lower Upper
43 100
74 11.5 19.4 29.2#

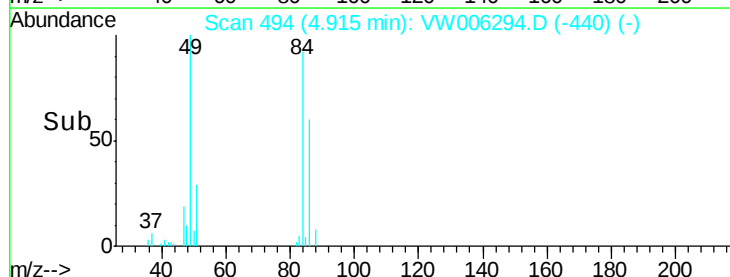
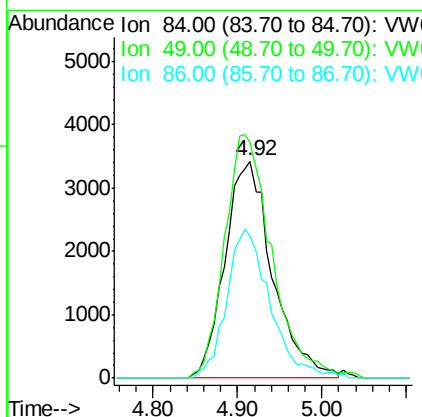
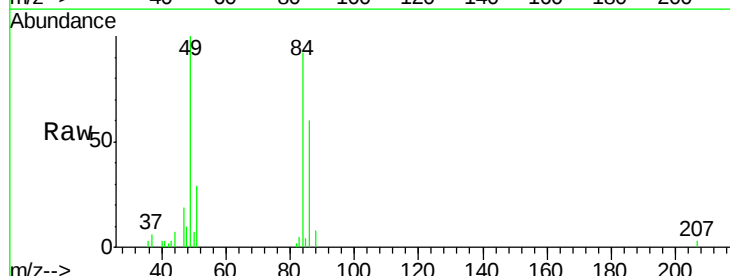
Manual Integrations
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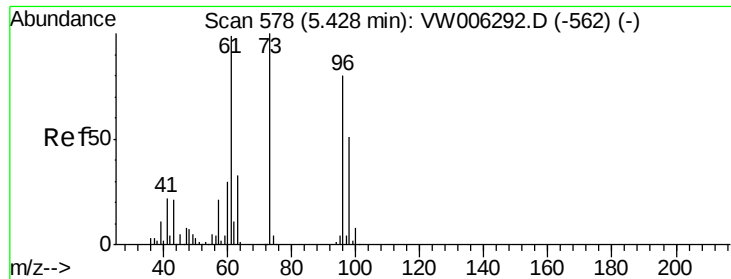
MMDadoda
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#16
Methylene chloride
Concen: 2.526 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW006294.D
Acq: 23 Oct 2018 14:15

Tgt Ion: 84 Resp: 13170
Ion Ratio Lower Upper
84 100
49 109.0 83.5 155.1
86 65.8 44.9 83.5





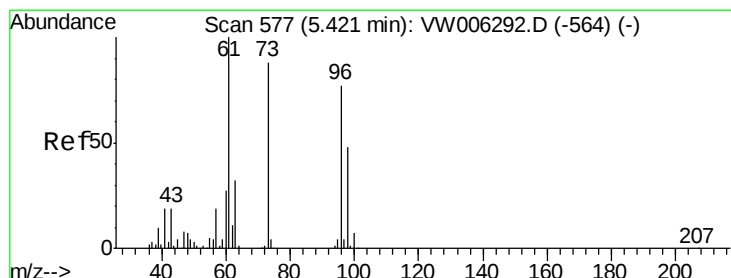
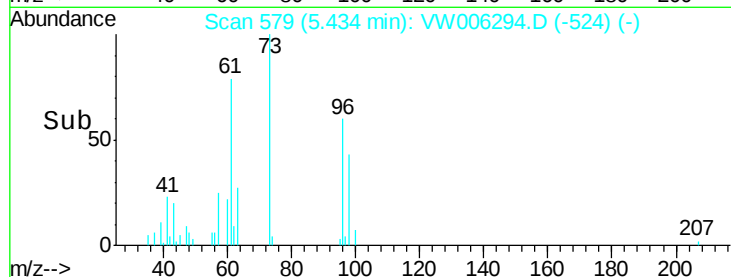
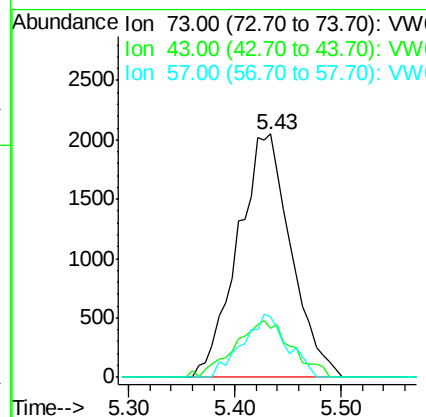
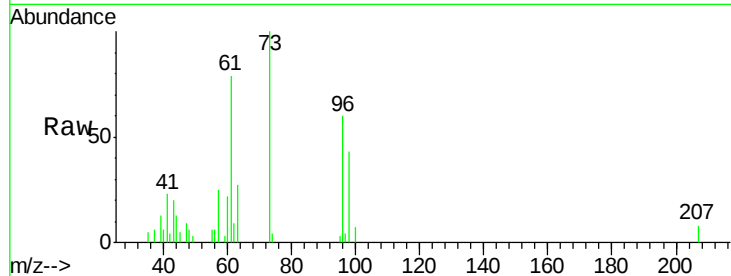
#17
Methyl tert-butyl Ether
Concen: 0.948 ug/L
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW006294.D
Acq: 23 Oct 2018 14:15

Instrument :
MSVOA_W
ClientSampled :
MDL

Tgt Ion	Ratio	Lower	Upper
73	100		
43	23.5	17.0	25.4
57	19.0	17.1	25.7

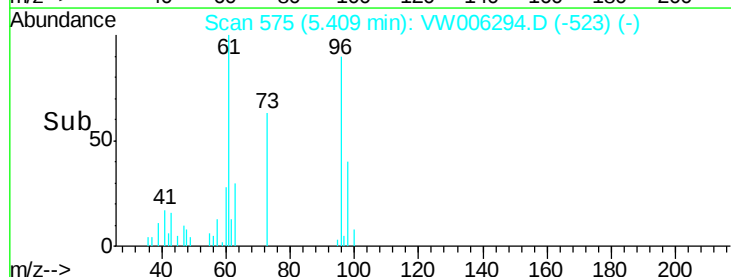
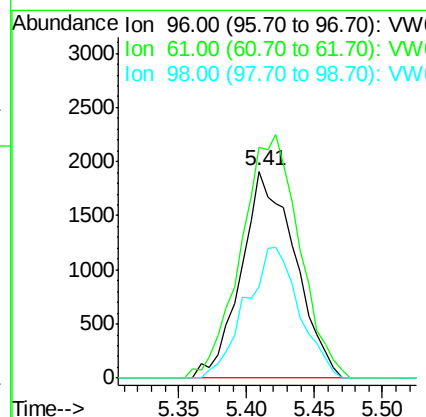
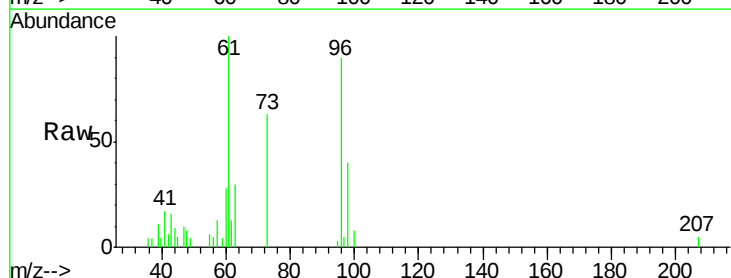
Manual Integrations
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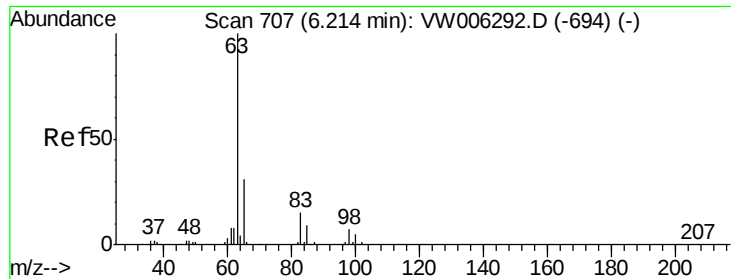
MMDadoda
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#18
trans-1,2-Dichloroethene
Concen: 1.029 ug/L
RT: 5.41 min Scan# 575
Delta R.T. -0.01 min
Lab File: VW006294.D
Acq: 23 Oct 2018 14:15

Tgt Ion	Ratio	Lower	Upper
96	100		
61	111.5	89.0	165.2
98	44.2	42.4	78.6





#19

1,1-Dichloroethane

Concen: 1.039 ug/L

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW006294.D

Acq: 23 Oct 2018 14:15

Instrument :

MSVOA_W

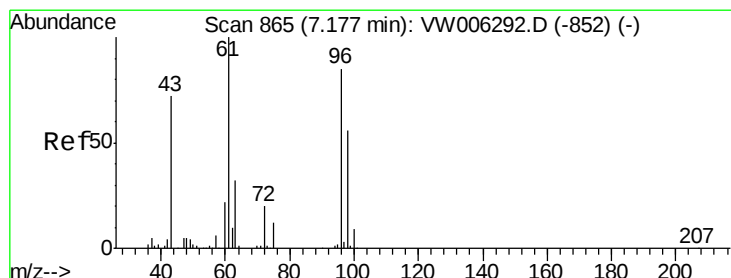
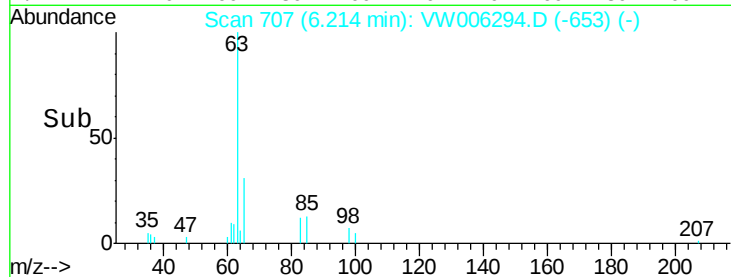
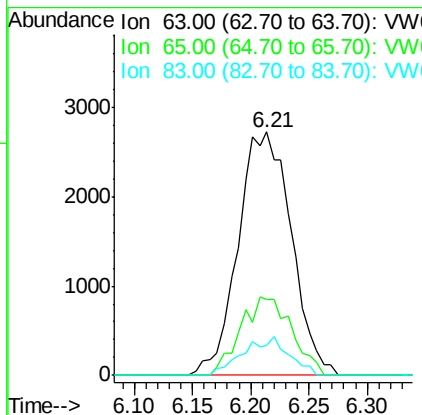
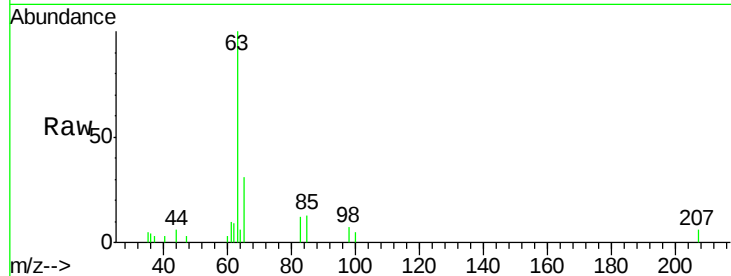
ClientSampleId :

MDL

Tgt Ion:	63	Resp:	8630
Ion	Ratio	Lower	Upper
63	100		
65	31.4	22.3	41.5
83	12.1	9.7	18.1

Manual Integrations
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#21

2-Butanone

Concen: 2.134 ug/L

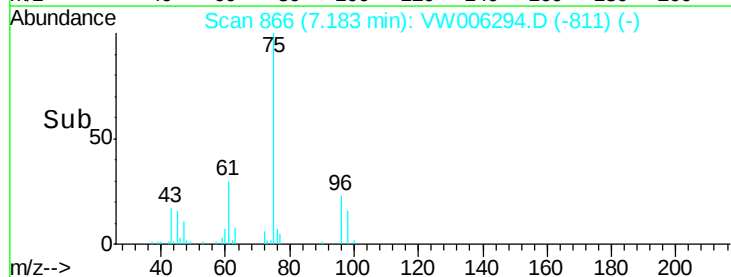
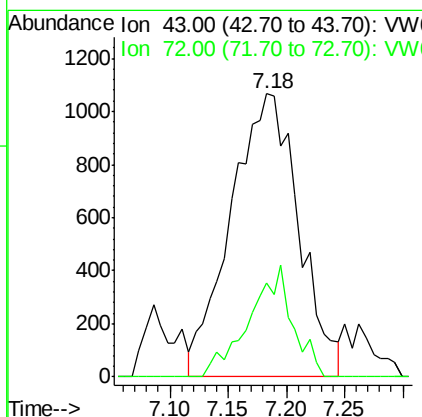
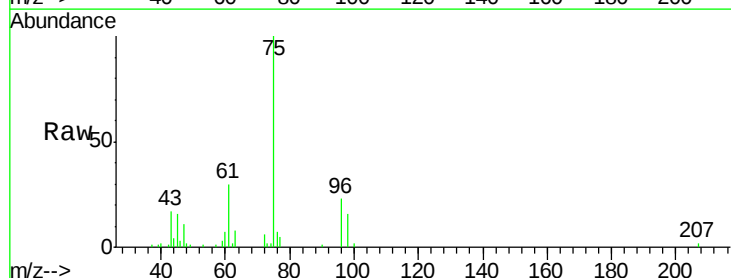
RT: 7.18 min Scan# 866

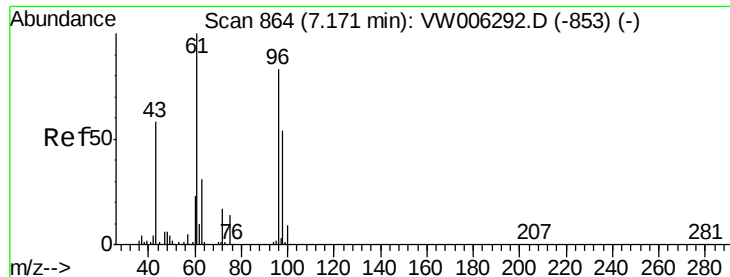
Delta R.T. 0.01 min

Lab File: VW006294.D

Acq: 23 Oct 2018 14:15

Tgt Ion:	43	Resp:	4323
Ion	Ratio	Lower	Upper
43	100		
72	14.0	13.8	41.4





#22

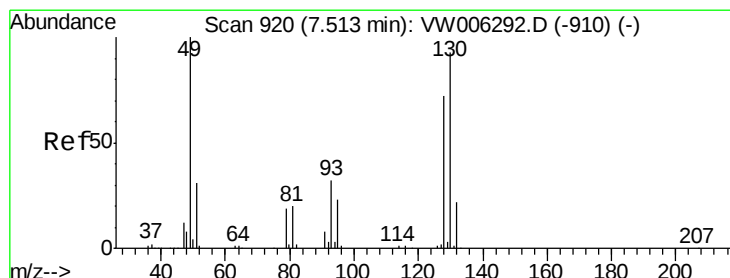
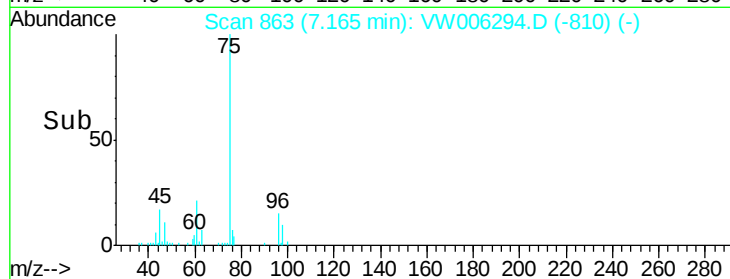
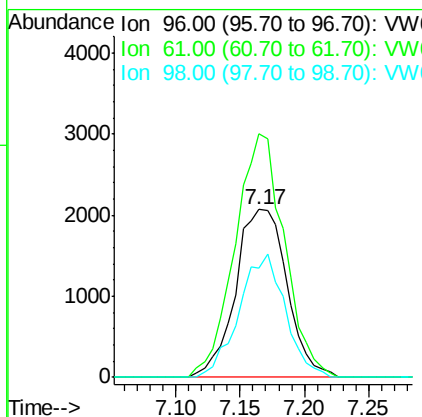
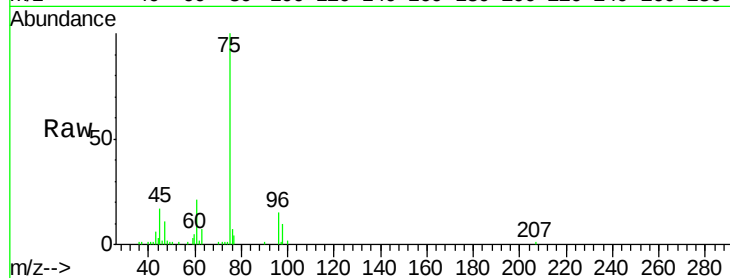
cis-1,2-Dichloroethene
 Concen: 1.028 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW006294.D
 Acq: 23 Oct 2018 14:15

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL

Tgt Ion	Ratio	Lower	Upper
96	100		
61	145.1	85.1	158.1
98	65.2	46.3	86.1

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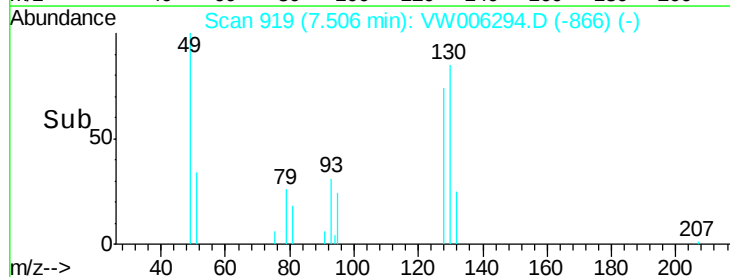
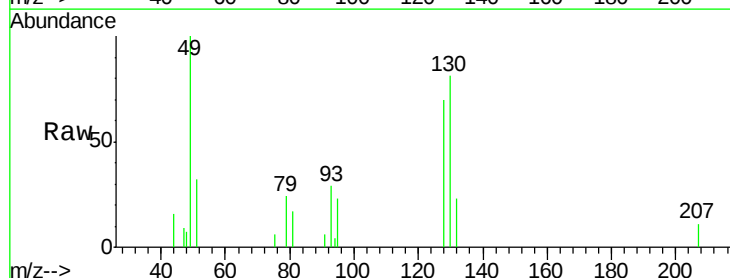
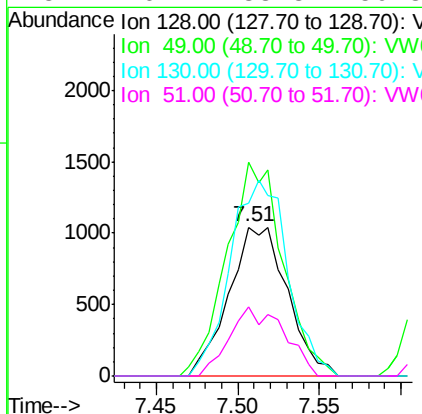
MMDadoda
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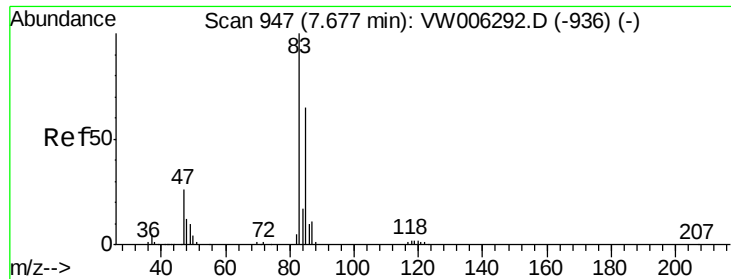


#23

Bromochloromethane
 Concen: 0.987 ug/L
 RT: 7.51 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VW006294.D
 Acq: 23 Oct 2018 14:15

Tgt Ion	Ratio	Lower	Upper
128	100		
49	143.3	95.2	176.8
130	115.8	86.3	160.3
51	46.2	33.8	50.8





#25

Chloroform

Concen: 1.120 ug/L

RT: 7.67 min Scan# 946

Delta R.T. -0.01 min

Lab File: VW006294.D

Acq: 23 Oct 2018 14:15

Instrument :

MSVOA_W

ClientSampled :

MDL

Tgt Ion: 83 Resp: 10015

Ion Ratio Lower Upper

83 100

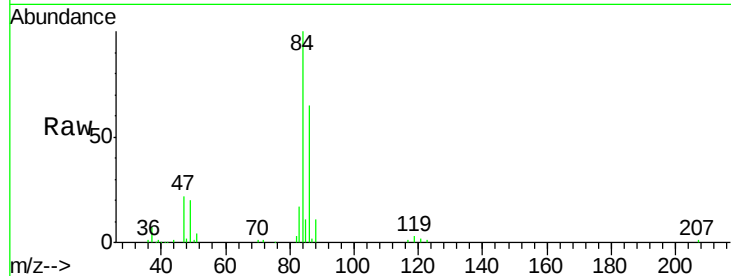
85 84.9 46.3 85.9

Manual Integrations

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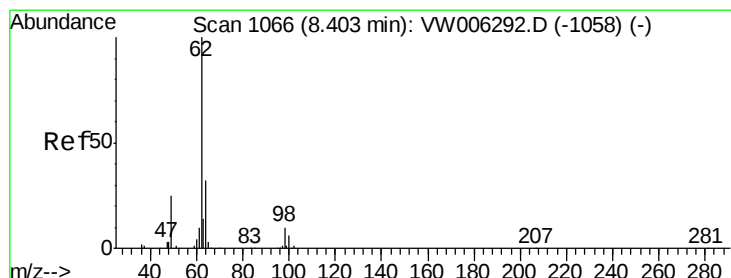
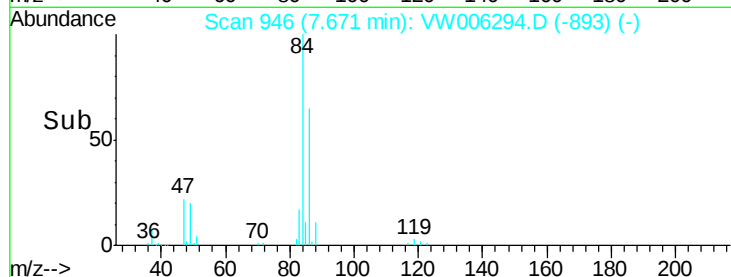
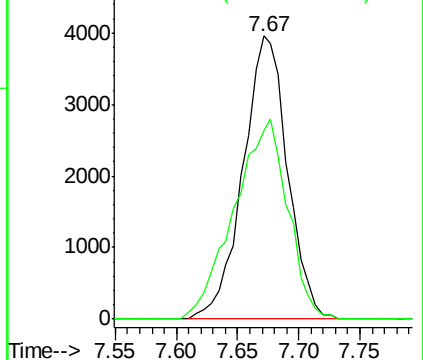
MMDadoda

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Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW



#27

1,2-Dichloroethane

Concen: 1.036 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. -0.00 min

Lab File: VW006294.D

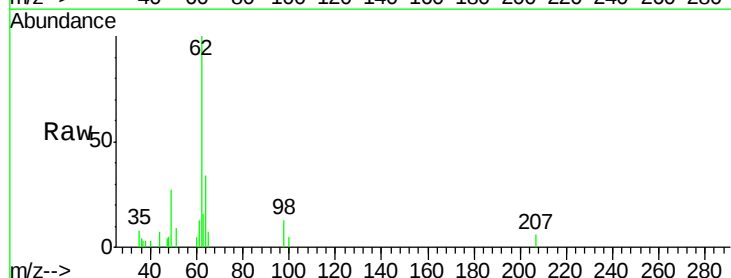
Acq: 23 Oct 2018 14:15

Tgt Ion: 62 Resp: 6311

Ion Ratio Lower Upper

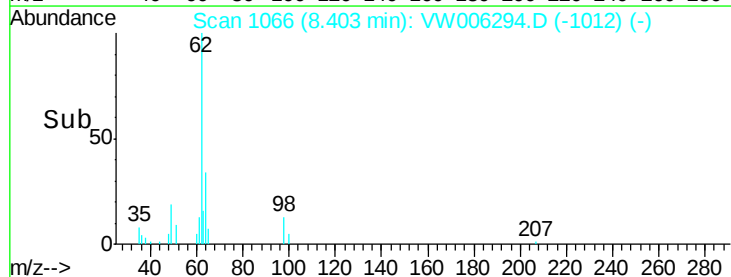
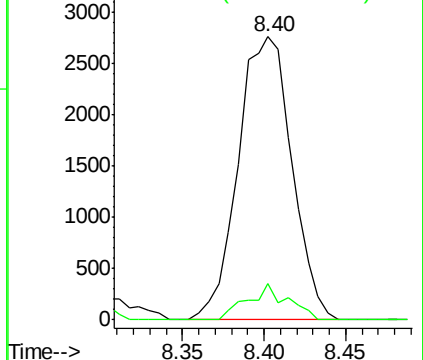
62 100

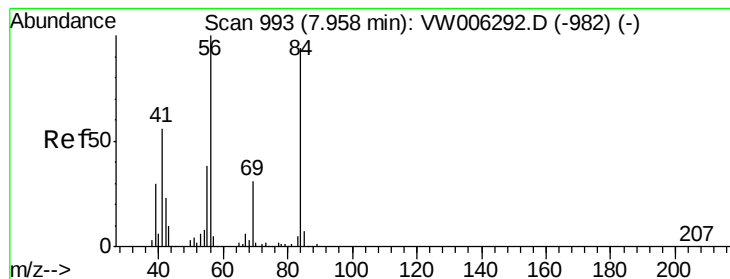
98 12.7 8.0 12.0#



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 98.00 (97.70 to 98.70): VW





#30

Cyclohexane

Concen: 0.928 ug/L

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW006294.D

Acq: 23 Oct 2018 14:15

Instrument :

MSVOA_W

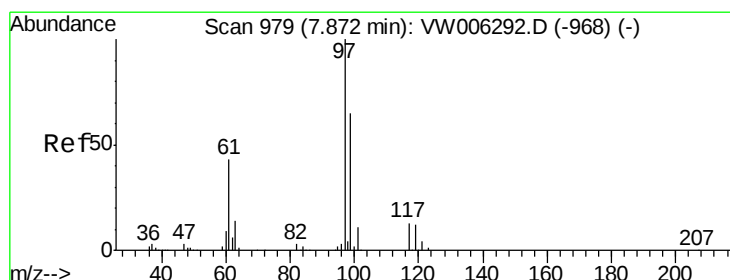
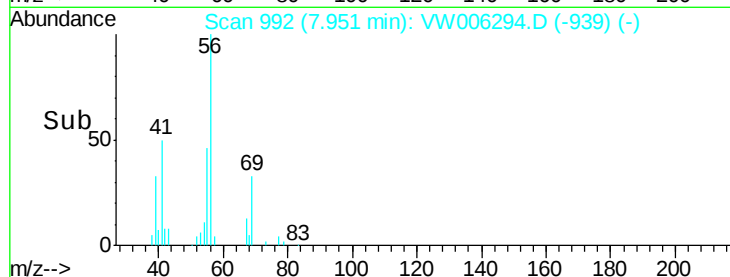
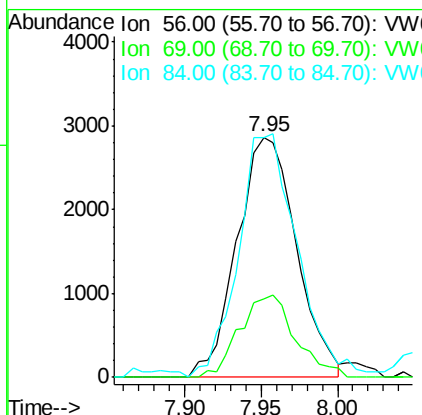
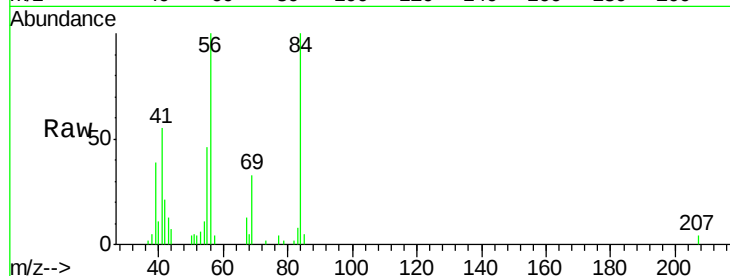
ClientSampled :

MDL

Tgt Ion:	56	Resp:	7735
Ion	Ratio	Lower	Upper
56	100		
69	32.3	25.4	38.0
84	100.3	73.9	110.9

Manual Integrations
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#31

1,1,1-Trichloroethane

Concen: 0.985 ug/L

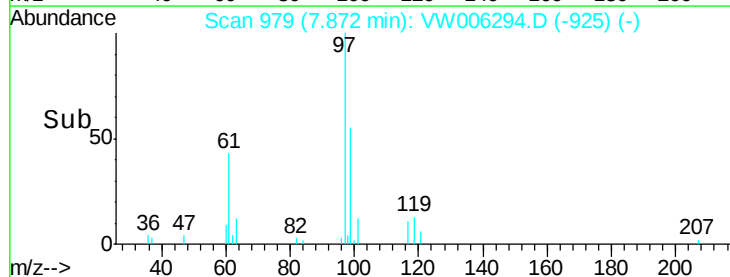
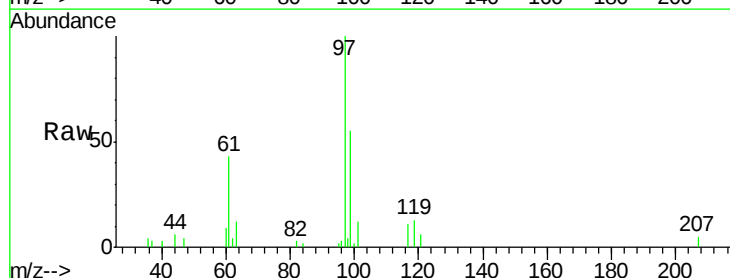
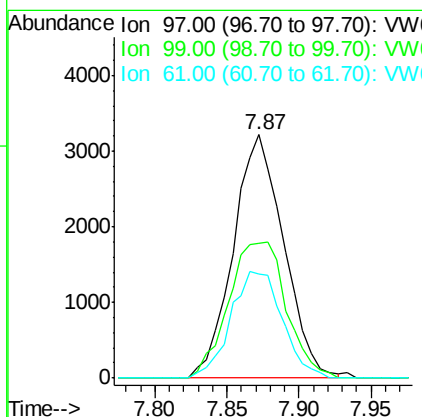
RT: 7.87 min Scan# 979

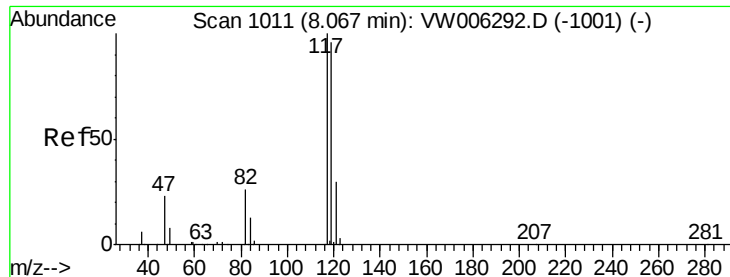
Delta R.T. -0.00 min

Lab File: VW006294.D

Acq: 23 Oct 2018 14:15

Tgt Ion:	97	Resp:	7821
Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.0	76.4
61	44.7	33.6	50.4





#32

Carbon tetrachloride

Concen: 0.960 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW006294.D

Acq: 23 Oct 2018 14:15

Instrument :

MSVOA_W

ClientSampleId :

MDL

Tgt Ion: 117 Resp: 7478

Ion Ratio Lower Upper

117 100

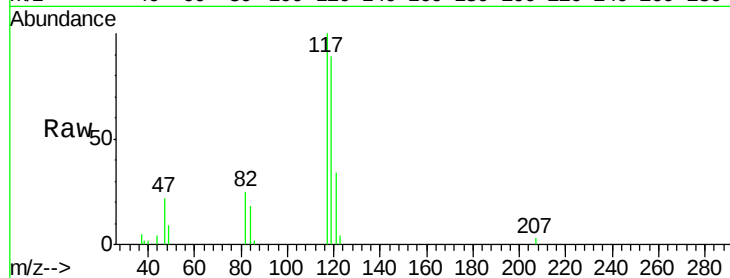
119 94.2 76.9 115.3

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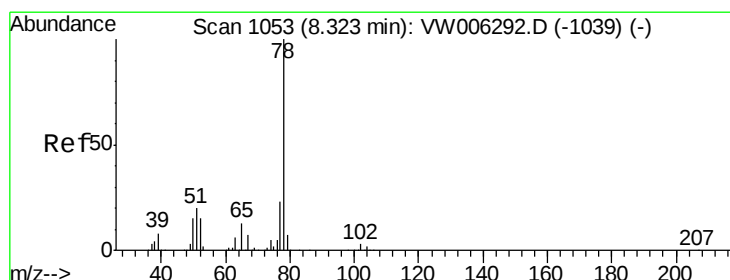
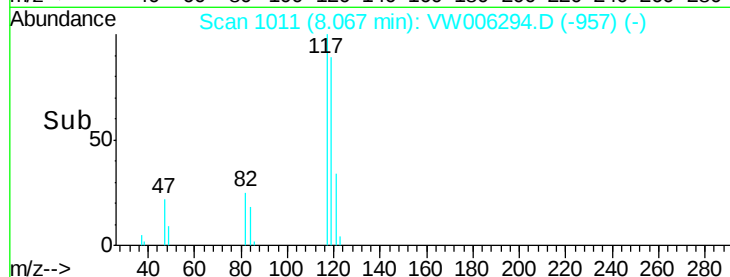
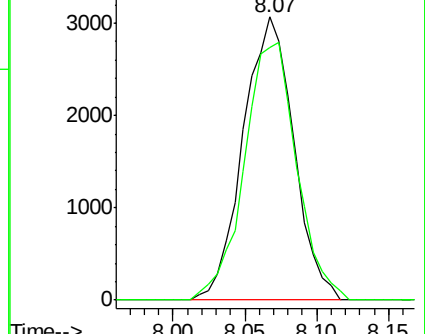
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Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 1.056 ug/L

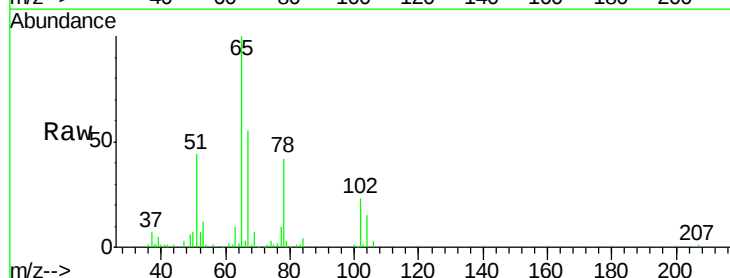
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

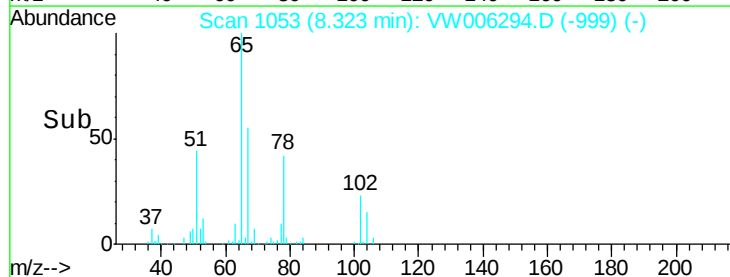
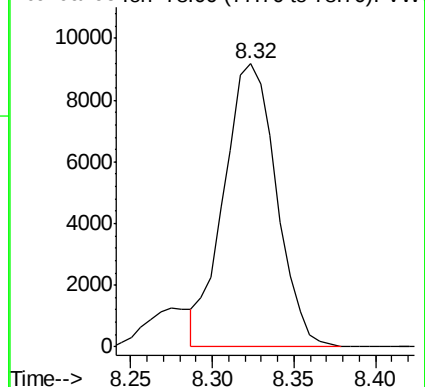
Lab File: VW006294.D

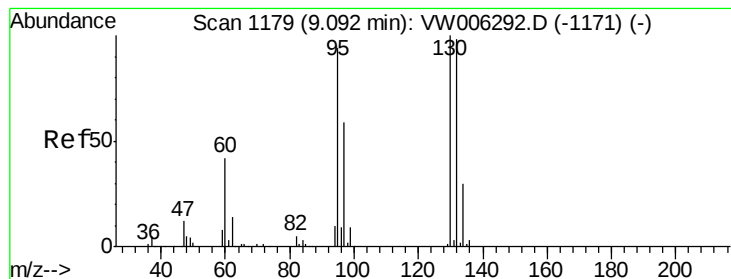
Acq: 23 Oct 2018 14:15

Tgt Ion: 78 Resp: 20577



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 1.032 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW006294.D

Acq: 23 Oct 2018 14:15

Instrument :

MSVOA_W

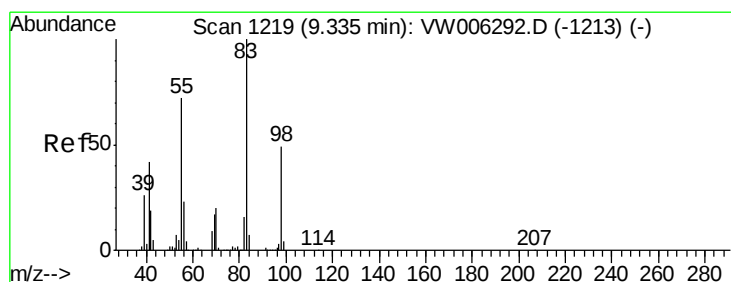
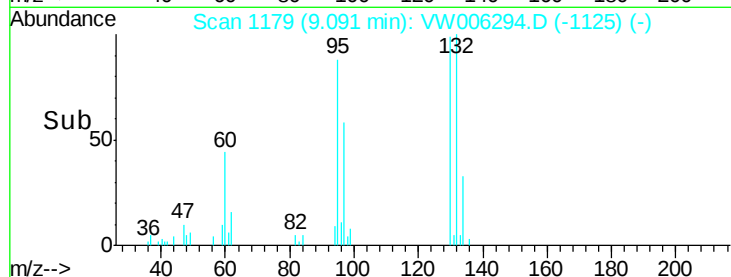
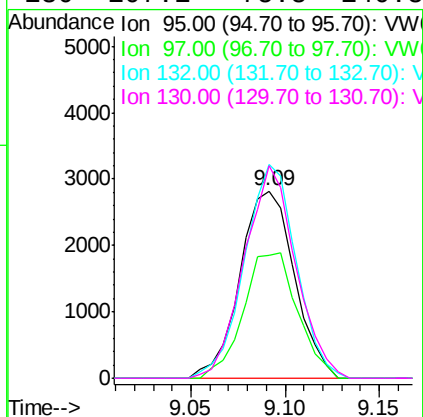
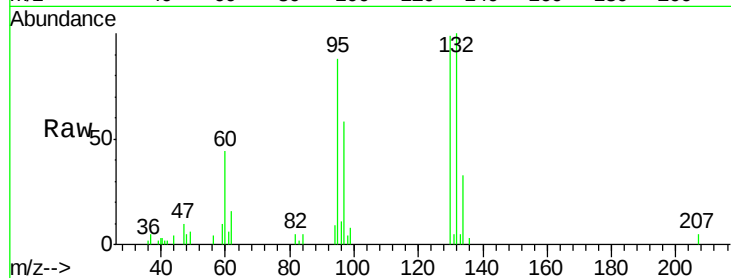
ClientSampled :

MDL

Tgt Ion:	95	Resp:	5658
Ion	Ratio	Lower	Upper
95	100		
97	66.6	45.8	85.0
132	108.3	72.9	135.3
130	107.1	75.8	140.8

Manual Integrations
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#36

Methylcyclohexane

Concen: 1.001 ug/L

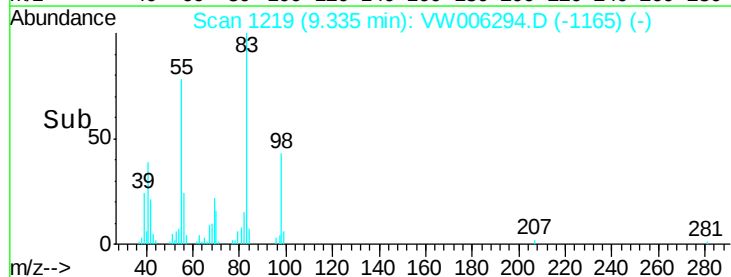
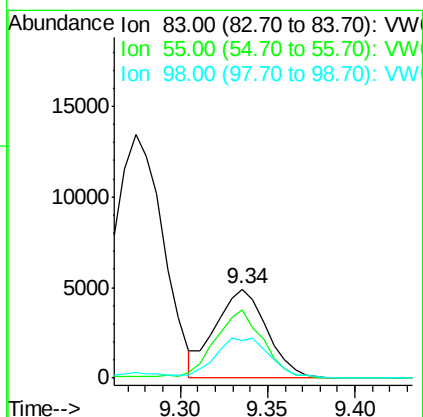
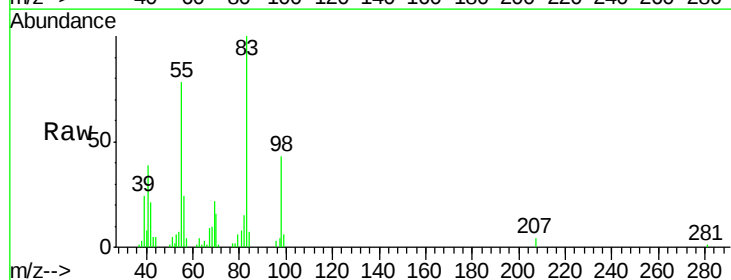
RT: 9.34 min Scan# 1219

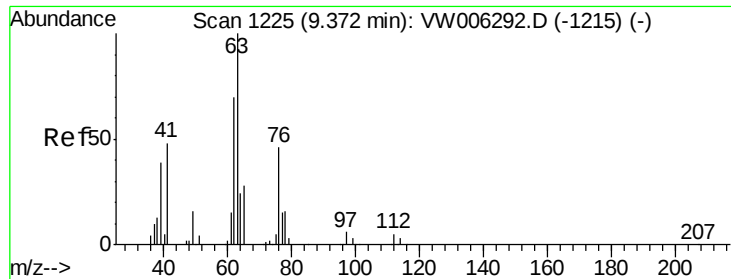
Delta R.T. -0.00 min

Lab File: VW006294.D

Acq: 23 Oct 2018 14:15

Tgt Ion:	83	Resp:	10049
Ion	Ratio	Lower	Upper
83	100		
55	70.9	57.1	85.7
98	47.9	38.9	58.3





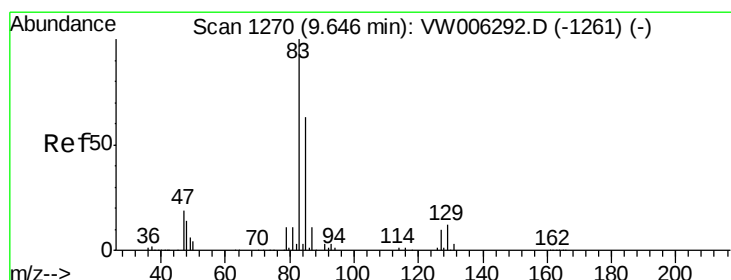
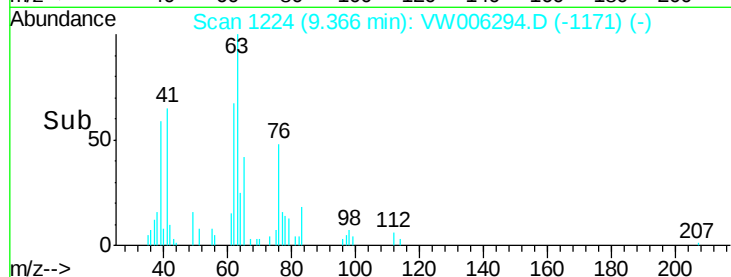
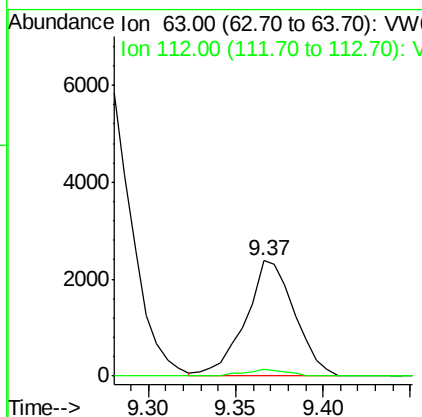
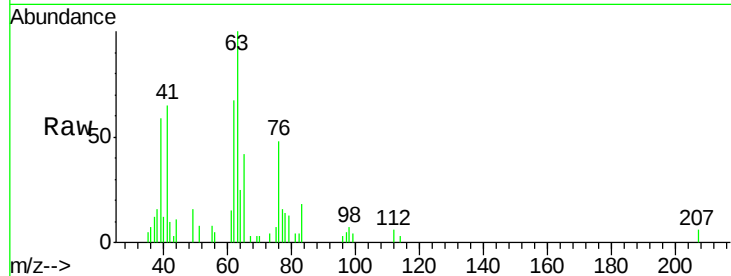
#40
 1,2-Dichloropropane
 Concen: 0.962 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.01 min
 Lab File: VW006294.D
 Acq: 23 Oct 2018 14:15

Instrument :
 MSVOA_W
 ClientSampled :
 MDL

Tgt Ion: 63 Resp: 4647
 Ion Ratio Lower Upper
 63 100
 112 4.8 3.5 5.3

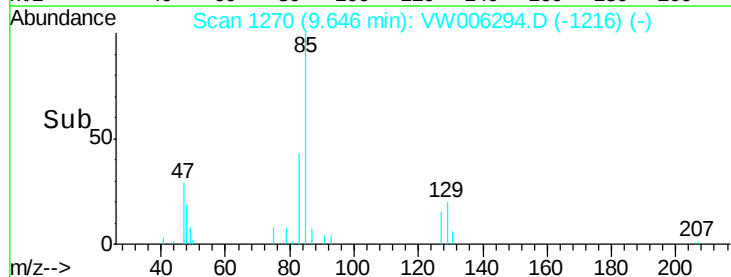
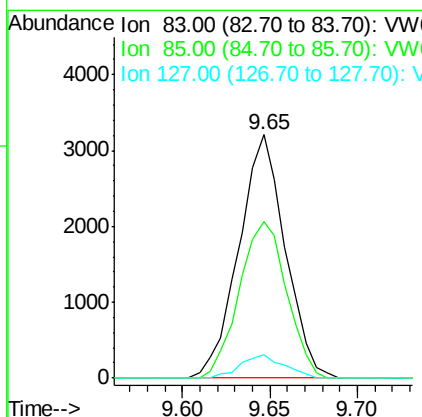
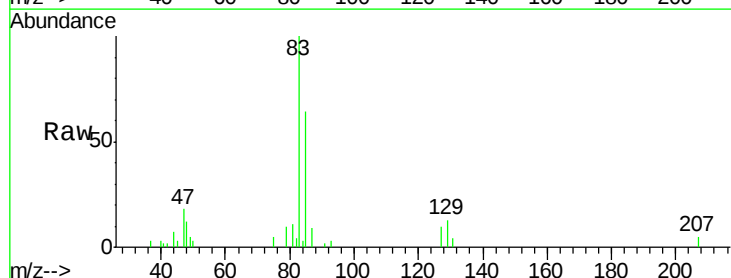
Manual Integrations
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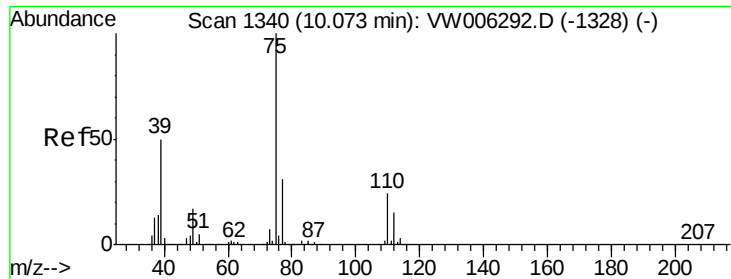
MMDadoda
 10/24/2018 2:07:06 PM



#41
 Bromodichloromethane
 Concen: 0.904 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW006294.D
 Acq: 23 Oct 2018 14:15

Tgt Ion: 83 Resp: 5901
 Ion Ratio Lower Upper
 83 100
 85 64.4 45.5 84.5
 127 9.8 7.4 11.2





#42

cis-1,3-Dichloropropene

Concen: 0.895 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW006294.D

Acq: 23 Oct 2018 14:15

Instrument :

MSVOA_W

ClientSampleId :

MDL

Tgt Ion: 75 Resp: 7063

Ion Ratio Lower Upper

75 100

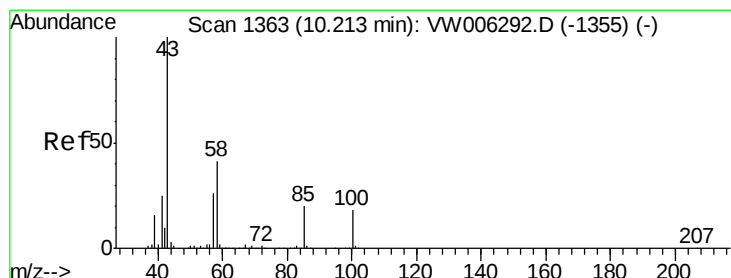
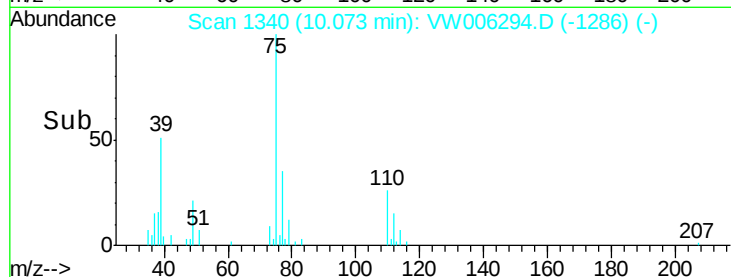
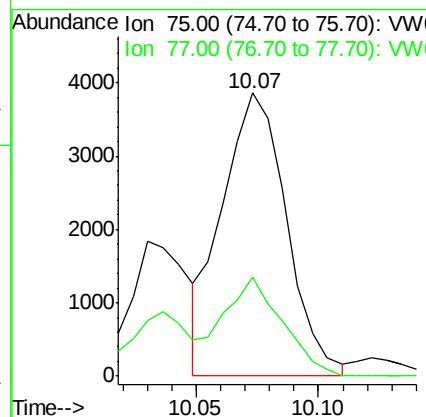
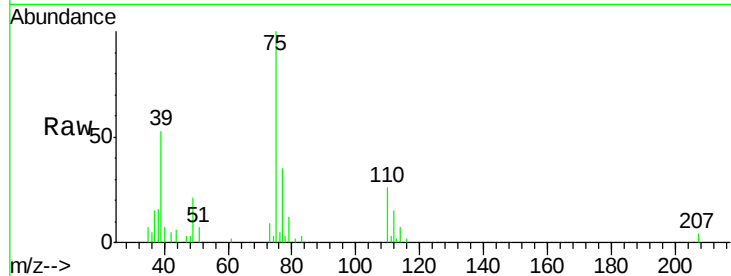
77 34.9 22.6 42.0

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#43

4-Methyl-2-pentanone

Concen: 1.667 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW006294.D

Acq: 23 Oct 2018 14:15

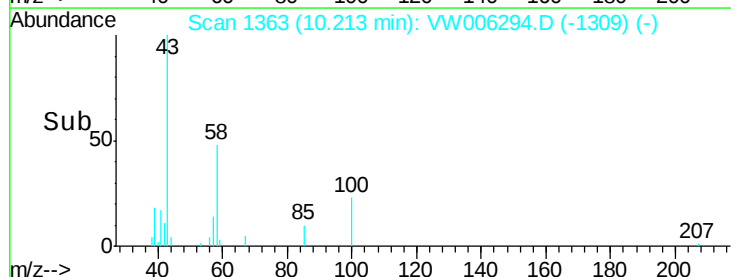
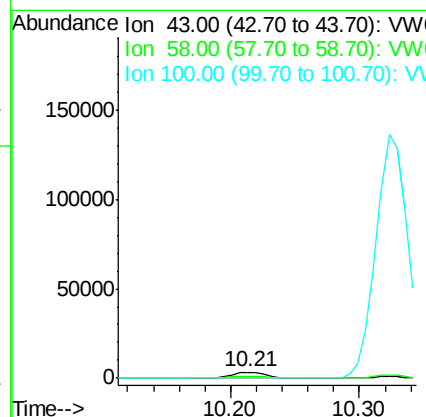
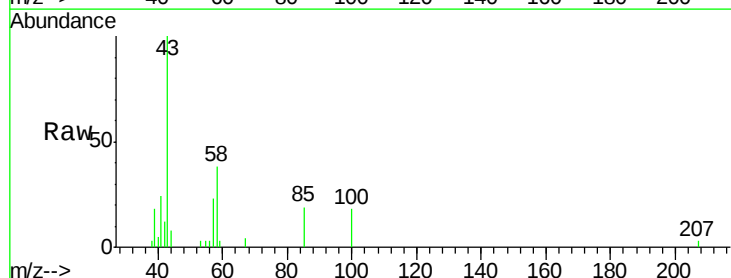
Tgt Ion: 43 Resp: 6456

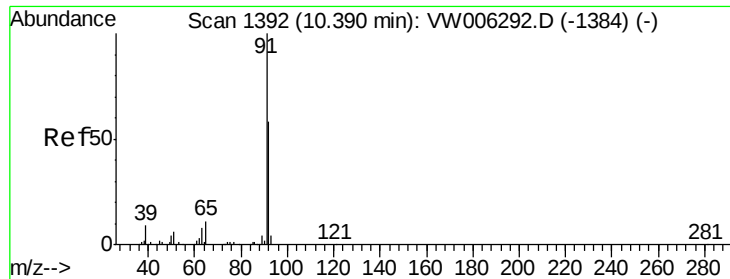
Ion Ratio Lower Upper

43 100

58 36.8 31.4 47.2

100 16.6 13.3 19.9





#44

Toluene

Concen: 1.083 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW006294.D

Acq: 23 Oct 2018 14:15

Instrument :

MSVOA_W

ClientSampleId :

MDL

Tgt Ion: 91 Resp: 23692

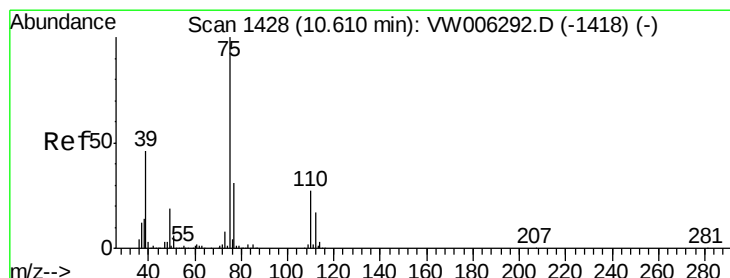
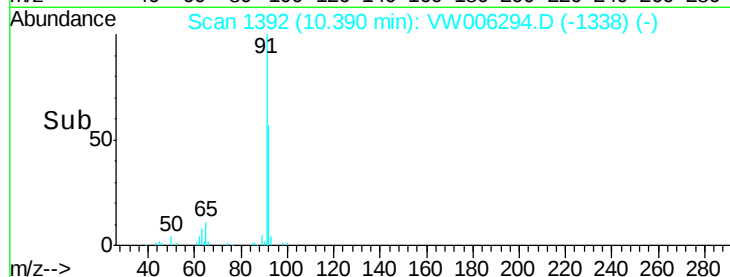
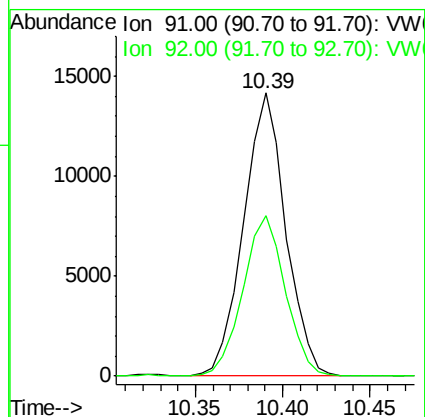
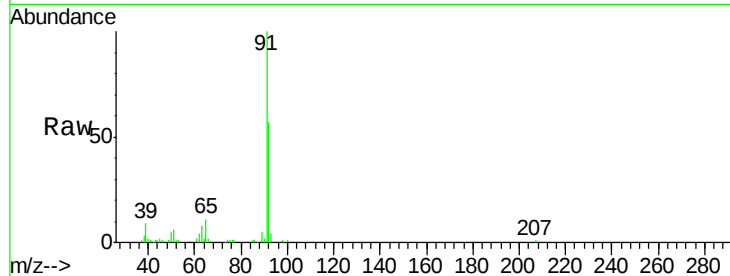
Ion Ratio Lower Upper

91 100

92 56.7 40.4 75.0

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#45

trans-1,3-Dichloropropene

Concen: 1.141 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW006294.D

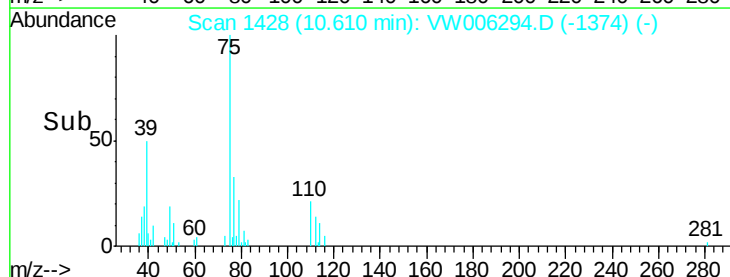
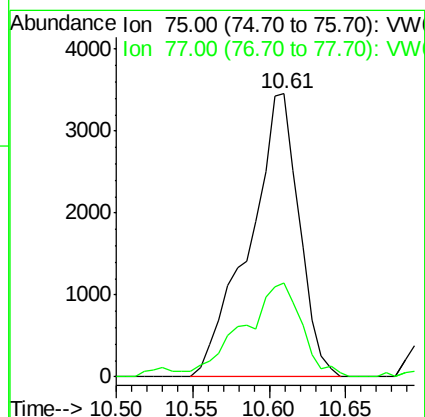
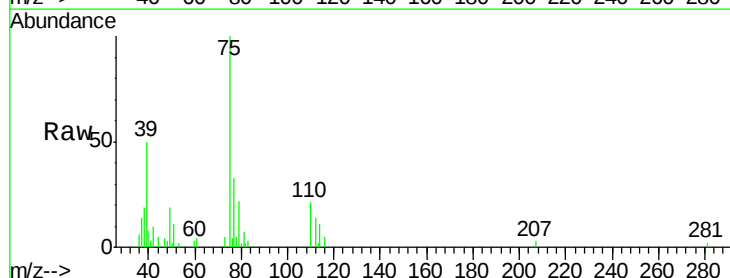
Acq: 23 Oct 2018 14:15

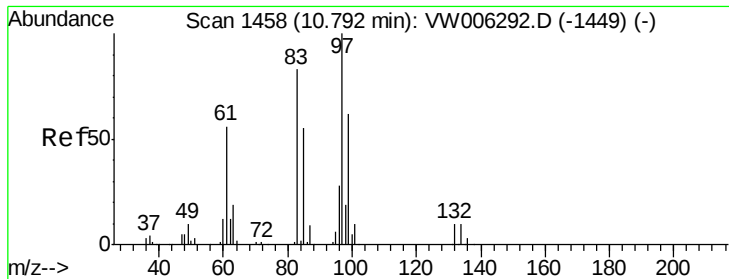
Tgt Ion: 75 Resp: 7868

Ion Ratio Lower Upper

75 100

77 33.4 22.4 41.6





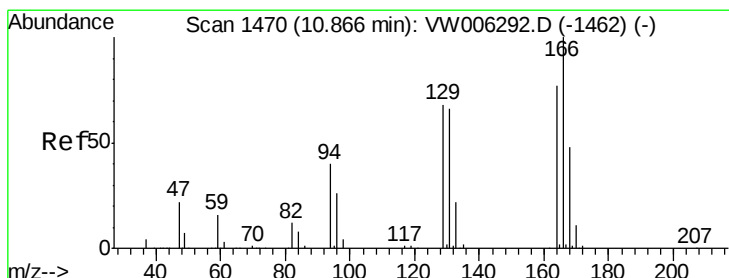
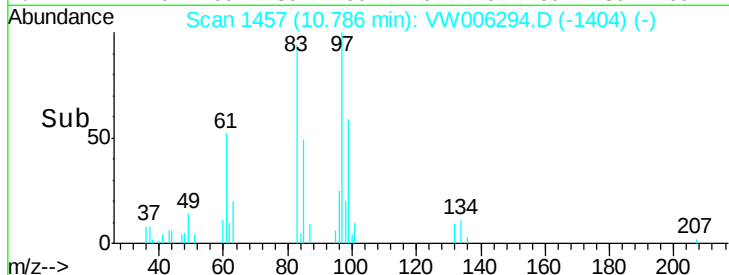
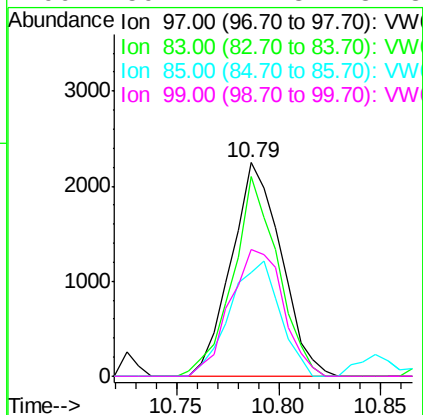
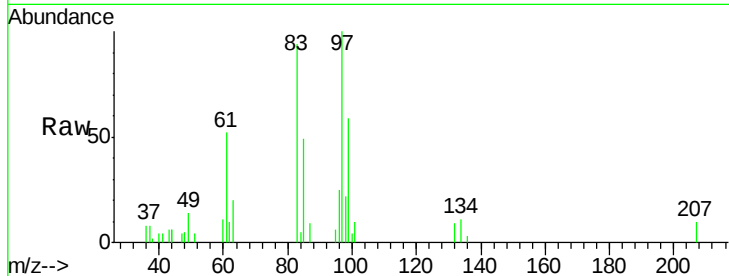
#46
 1,1,2-Trichloroethane
 Concen: 0.950 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.01 min
 Lab File: VW006294.D
 Acq: 23 Oct 2018 14:15

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL

Tgt Ion	Ratio	Lower	Upper
97	100		
83	93.7	60.0	111.4
85	48.6	38.7	71.9
99	59.1	44.3	82.3

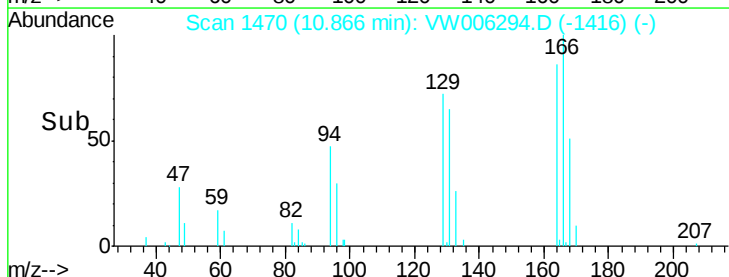
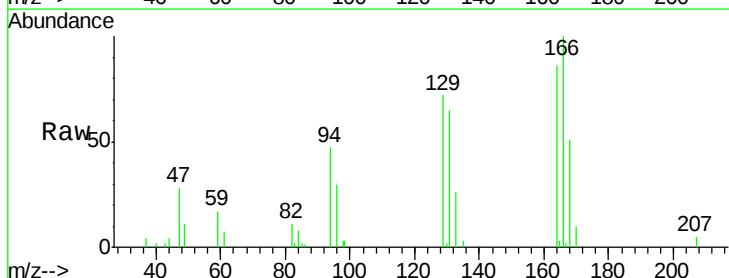
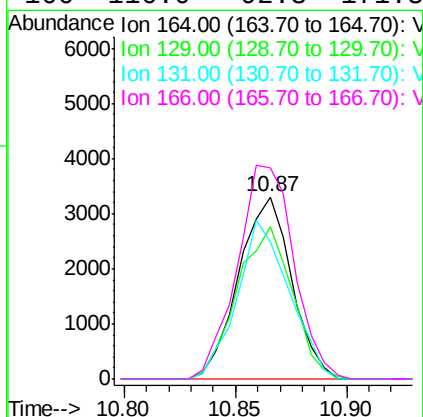
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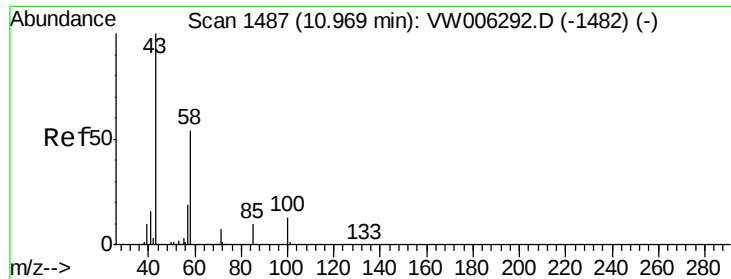
MMDadoda
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#47
 Tetrachloroethene
 Concen: 1.079 ug/L
 RT: 10.87 min Scan# 1470
 Delta R.T. -0.00 min
 Lab File: VW006294.D
 Acq: 23 Oct 2018 14:15

Tgt Ion	Ratio	Lower	Upper
164	100		
129	83.5	65.4	121.4
131	75.4	63.8	118.4
166	116.0	92.3	171.3





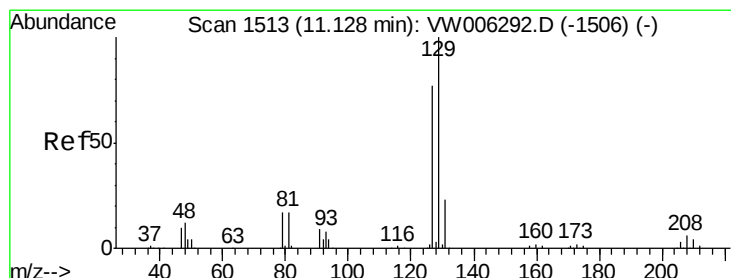
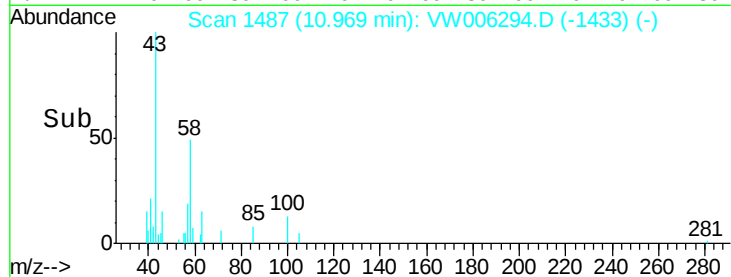
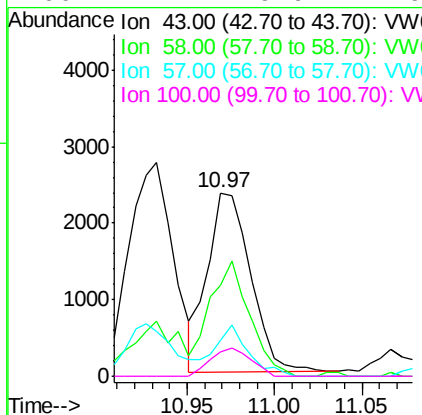
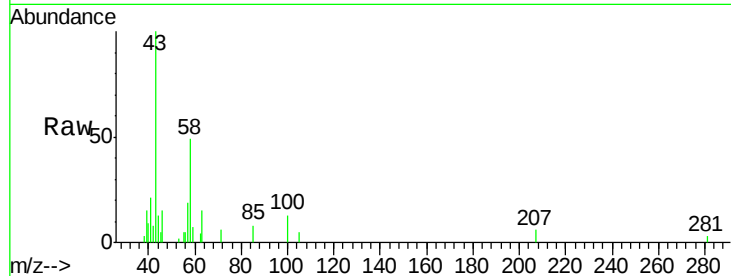
#49
2-Hexanone
Concen: 1.409 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW006294.D
Acq: 23 Oct 2018 14:15

Instrument :
MSVOA_W
ClientSampleId :
MDL

Tgt Ion:	43	Resp:	4021
Ion	Ratio	Lower	Upper
43	100		
58	59.7	42.1	63.1
57	21.5	15.1	22.7
100	14.7	9.9	14.9

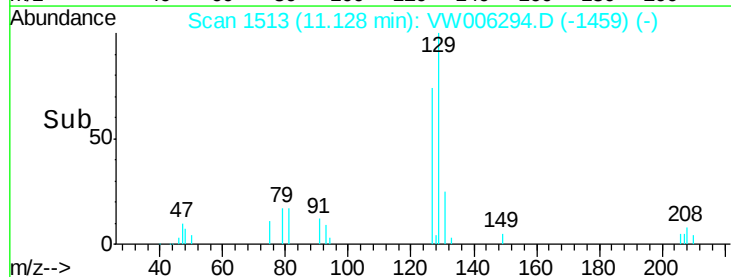
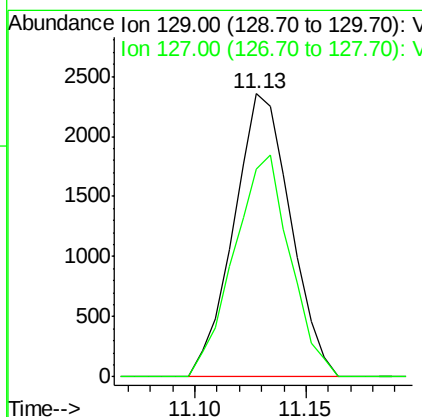
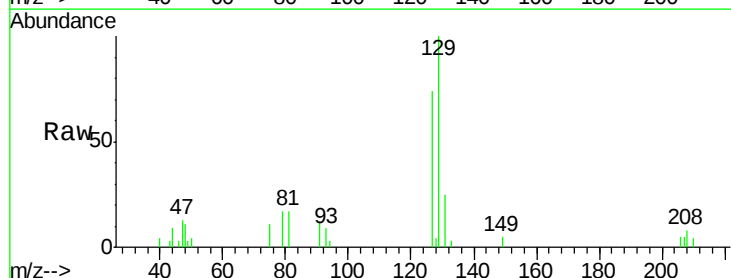
Manual Integrations
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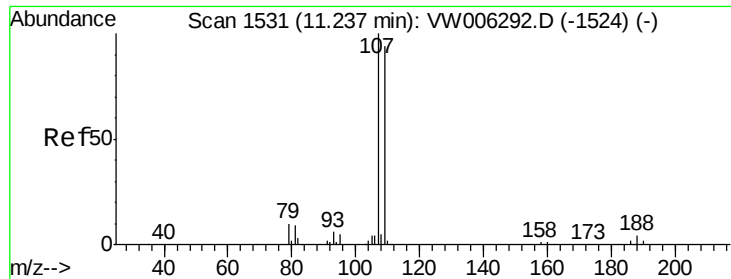
MMDadoda
10/24/2018 2:07:06 PM



#50
Dibromochloromethane
Concen: 0.810 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW006294.D
Acq: 23 Oct 2018 14:15

Tgt Ion:	129	Resp:	4177
Ion	Ratio	Lower	Upper
129	100		
127	73.5	54.4	101.0





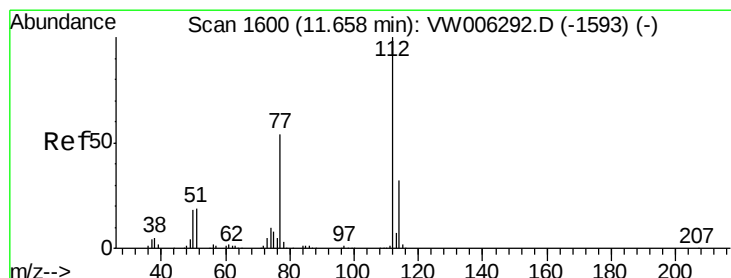
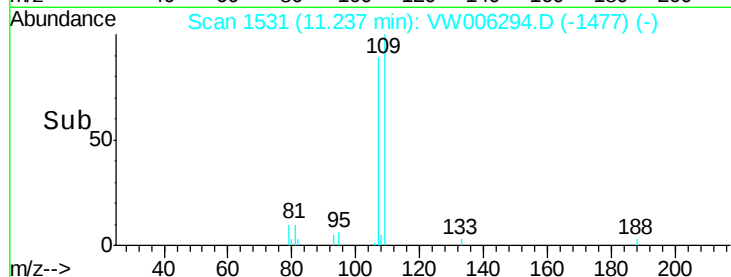
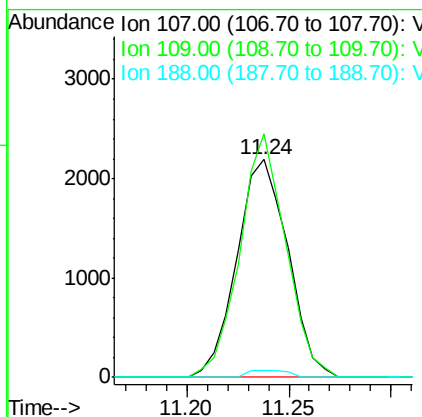
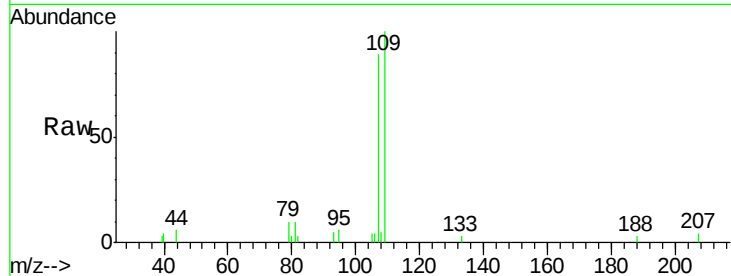
#51
 1,2-Dibromoethane
 Concen: 0.911 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW006294.D
 Acq: 23 Oct 2018 14:15

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	3815		
109	111.8	66.6	123.8	
188	3.4	3.4	5.0	

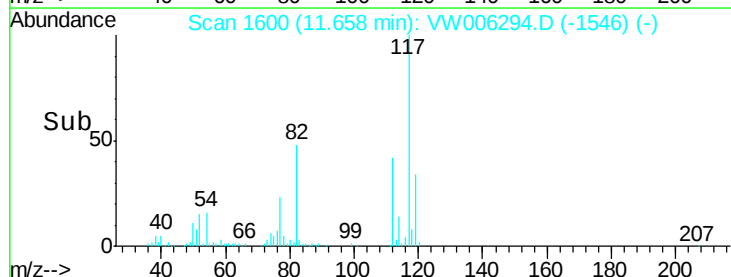
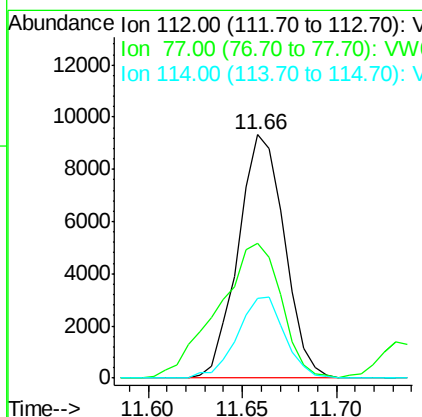
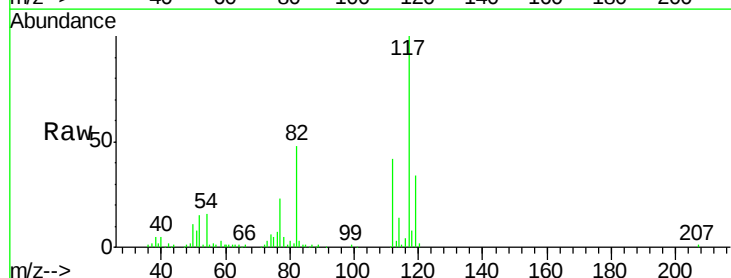
Manual Integrations
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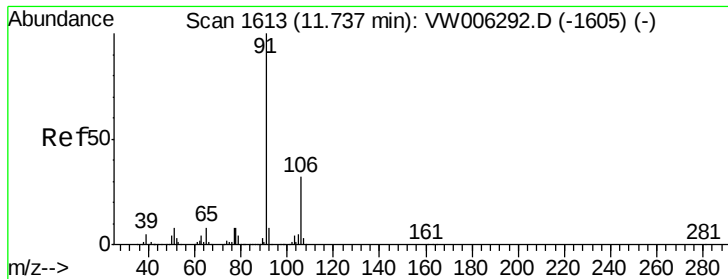
MMDadoda
 10/24/2018 2:07:06 PM



#52
 Chlorobenzene
 Concen: 1.075 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VW006294.D
 Acq: 23 Oct 2018 14:15

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	15906		
77	55.3	44.2	66.2	
114	33.0	22.1	41.1	





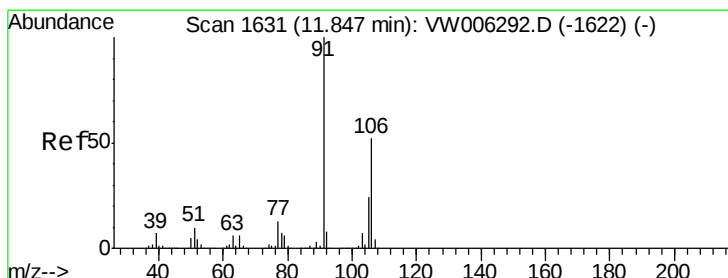
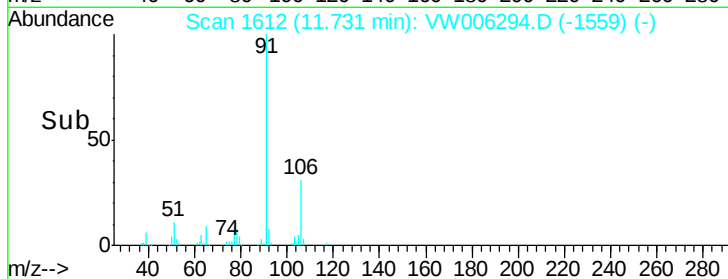
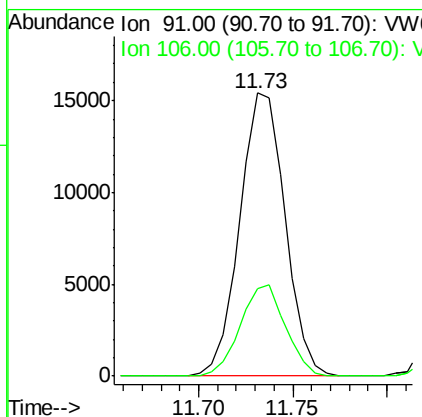
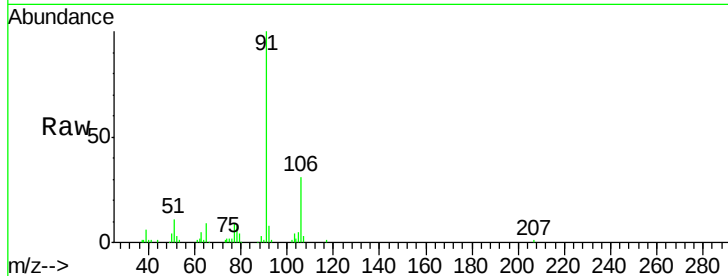
#53
Ethylbenzene
Concen: 1.010 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.01 min
Lab File: VW006294.D
Acq: 23 Oct 2018 14:15

Instrument :
MSVOA_W
ClientSampleId :
MDL

Tgt Ion: 91 Resp: 25705
Ion Ratio Lower Upper
91 100
106 30.9 22.6 42.0

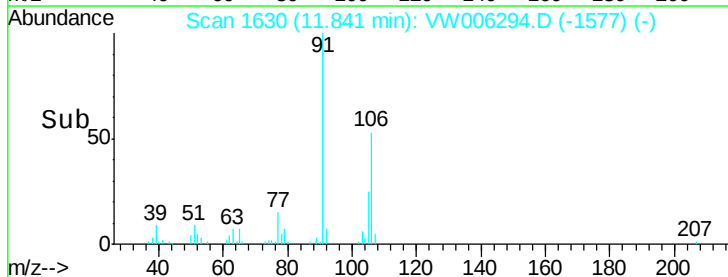
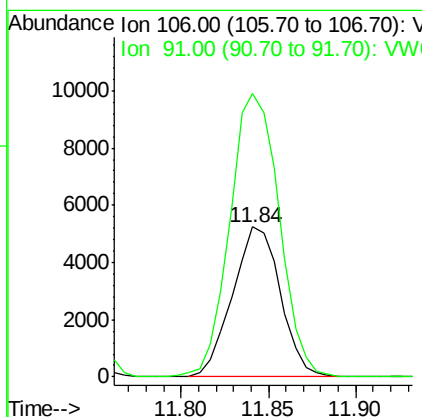
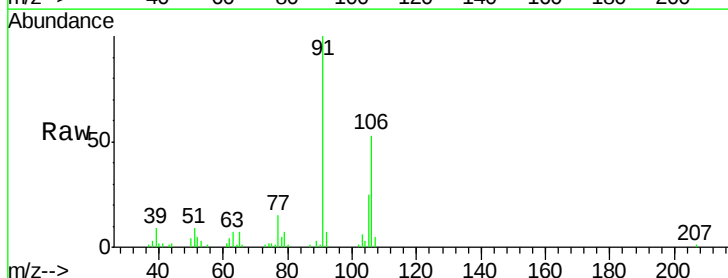
Manual Integrations
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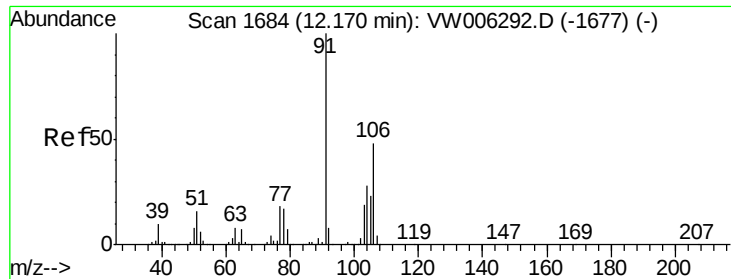
MMDadoda
10/24/2018 2:07:06 PM



#54
m,p-Xylene
Concen: 0.999 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. -0.01 min
Lab File: VW006294.D
Acq: 23 Oct 2018 14:15

Tgt Ion: 106 Resp: 9973
Ion Ratio Lower Upper
106 100
91 188.9 138.4 257.0





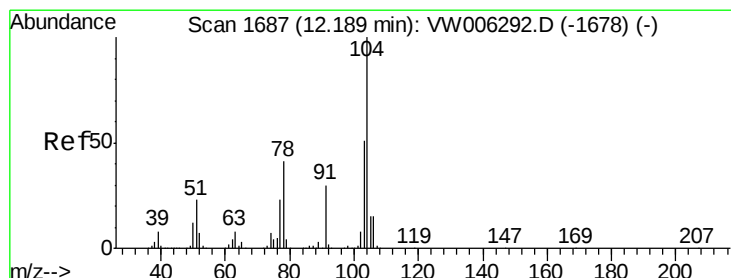
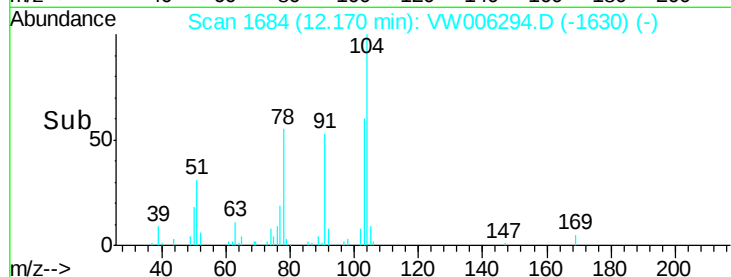
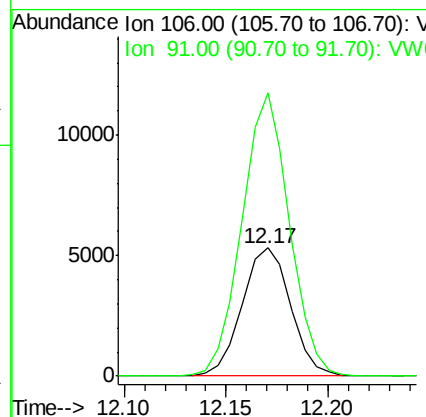
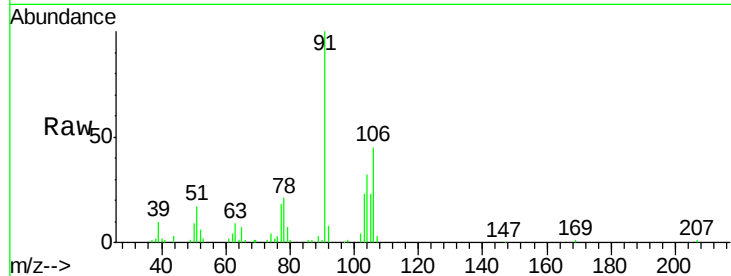
#55
o-xylene
Concen: 0.920 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW006294.D
Acq: 23 Oct 2018 14:15

Instrument :
MSVOA_W
ClientSampleId :
MDL

Tgt Ion:106 Resp: 8764
Ion Ratio Lower Upper
106 100
91 221.3 148.7 276.1

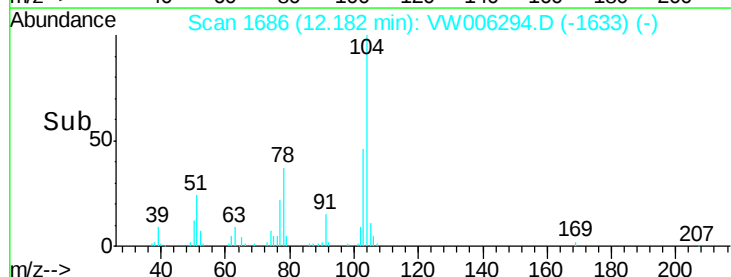
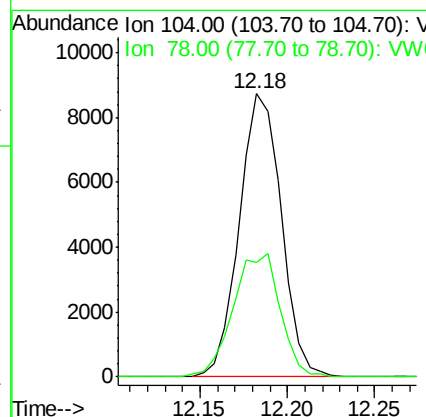
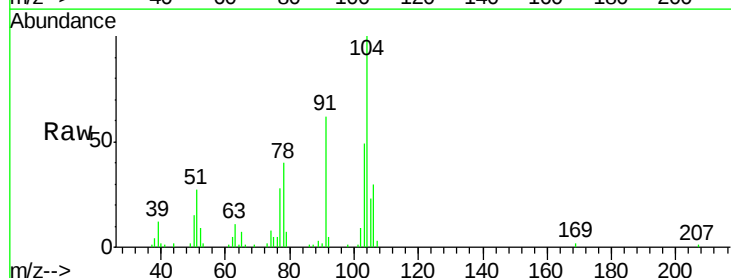
Manual Integrations
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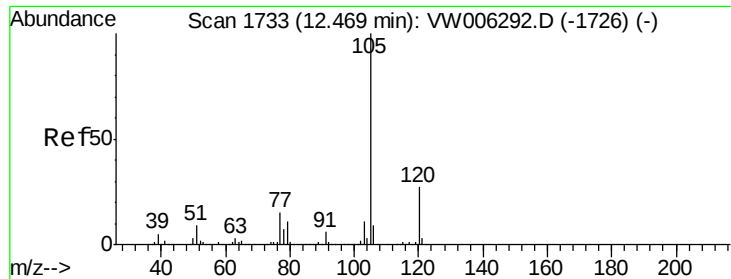
MMDadoda
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#56
Styrene
Concen: 0.893 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.01 min
Lab File: VW006294.D
Acq: 23 Oct 2018 14:15

Tgt Ion:104 Resp: 14654
Ion Ratio Lower Upper
104 100
78 40.2 31.2 58.0





#57

Isopropylbenzene

Concen: 0.955 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW006294.D

Acq: 23 Oct 2018 14:15

Instrument :

MSVOA_W

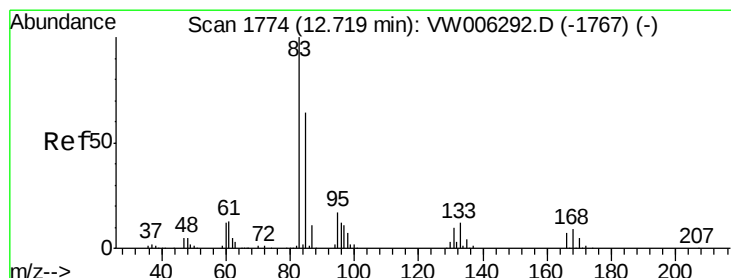
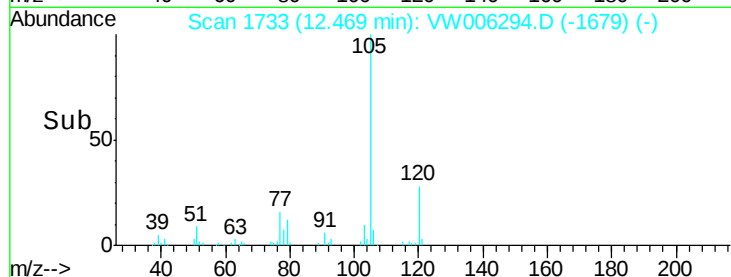
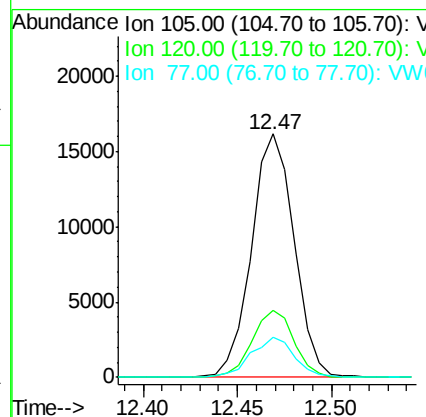
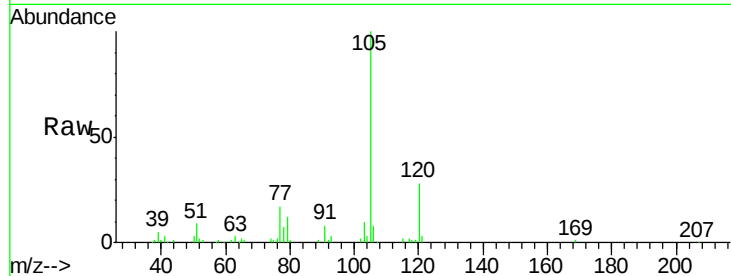
ClientSampleId :

MDL

Tgt Ion:	105	Resp:	25321
Ion Ratio	Lower	Upper	
105	100		
120	27.0	21.8	32.6
77	16.8	12.2	18.2

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#58

1,1,2,2-Tetrachloroethane

Concen: 1.026 ug/L

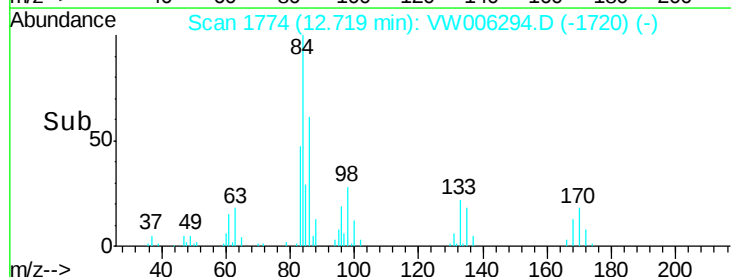
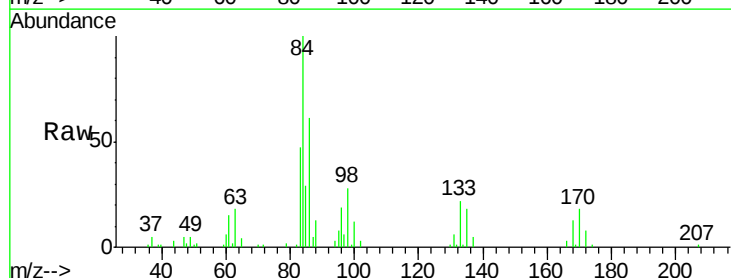
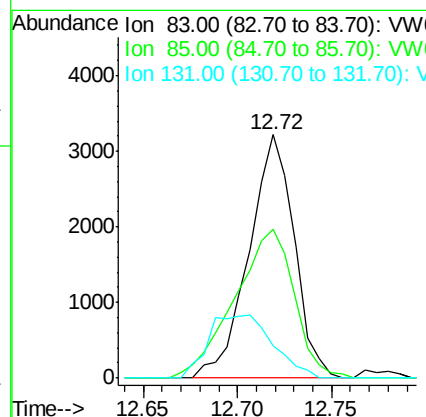
RT: 12.72 min Scan# 1774

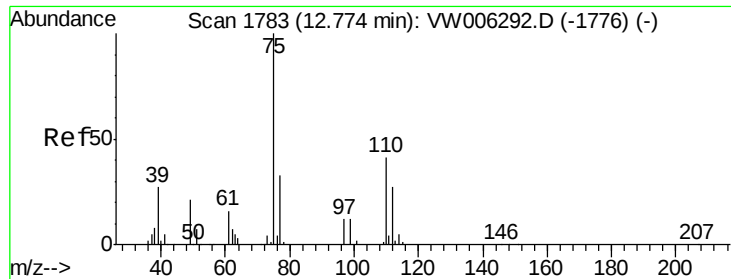
Delta R.T. 0.00 min

Lab File: VW006294.D

Acq: 23 Oct 2018 14:15

Tgt Ion:	83	Resp:	5365
Ion Ratio	Lower	Upper	
83	100		
85	61.3	44.8	83.2
131	13.5	9.0	13.4#





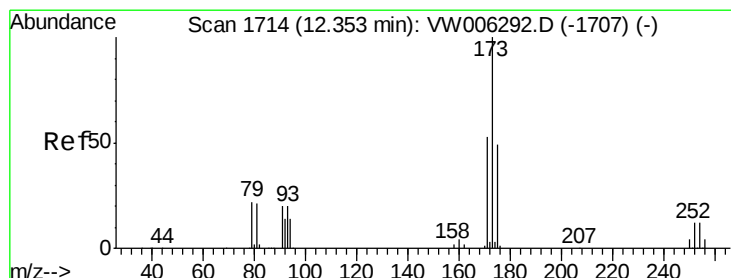
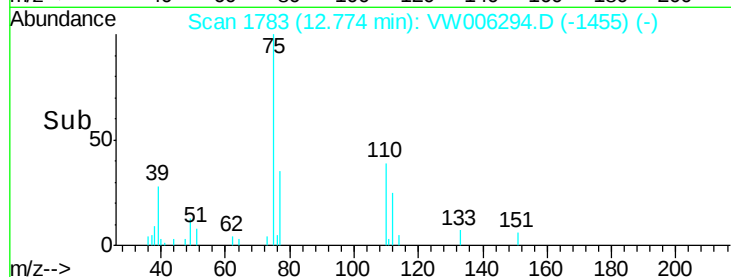
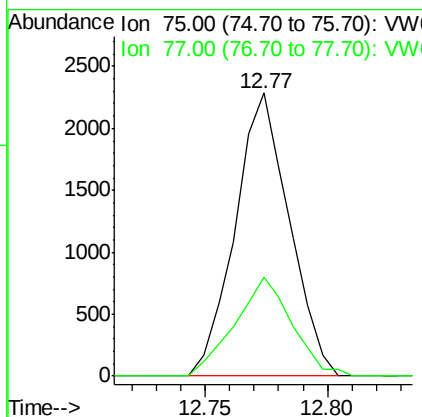
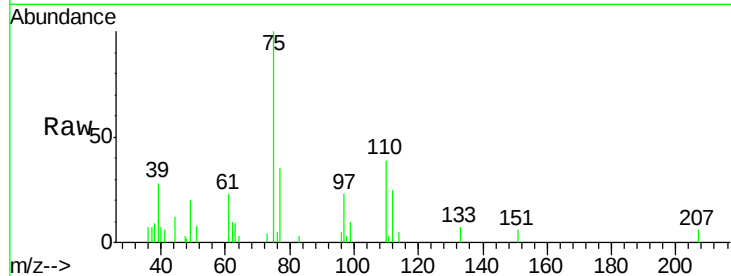
#59
 1,2,3-Trichloropropane
 Concen: 0.903 ug/L
 RT: 12.77 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VW006294.D
 Acq: 23 Oct 2018 14:15

Instrument :
 MSVOA_W
 ClientSampled :
 MDL

Tgt Ion: 75 Resp: 3523
 Ion Ratio Lower Upper
 75 100
 77 36.9 25.9 38.9

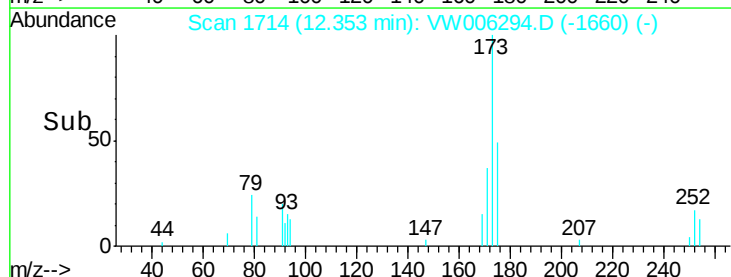
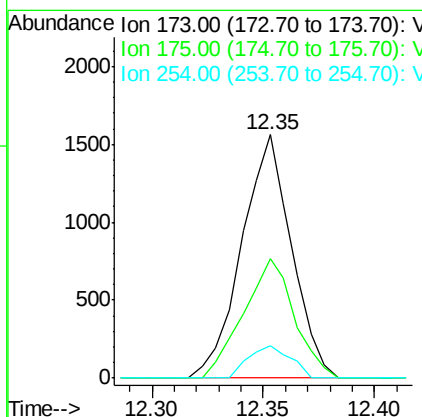
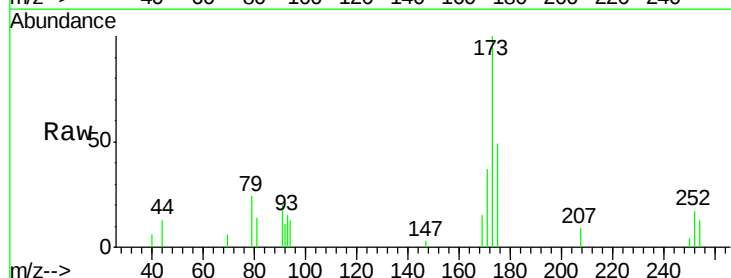
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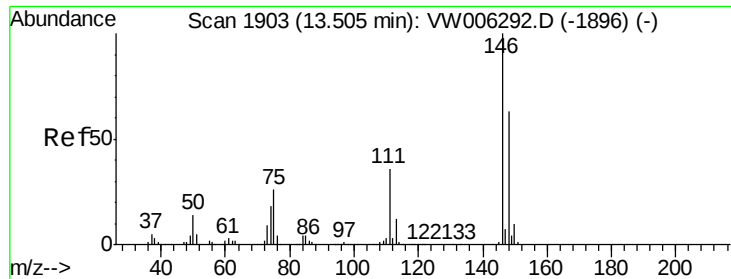
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#62
 Bromoform
 Concen: 0.723 ug/L
 RT: 12.35 min Scan# 1714
 Delta R.T. -0.00 min
 Lab File: VW006294.D
 Acq: 23 Oct 2018 14:15

Tgt Ion: 173 Resp: 2425
 Ion Ratio Lower Upper
 173 100
 175 49.9 39.1 58.7
 254 11.1 9.2 13.8





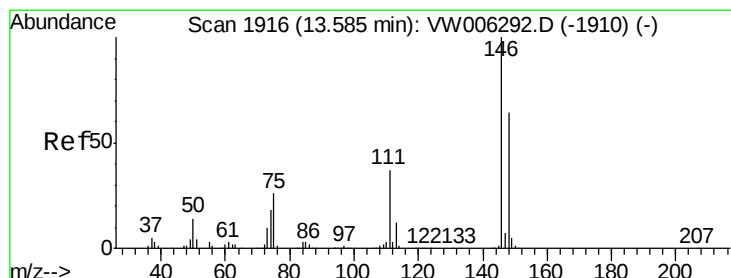
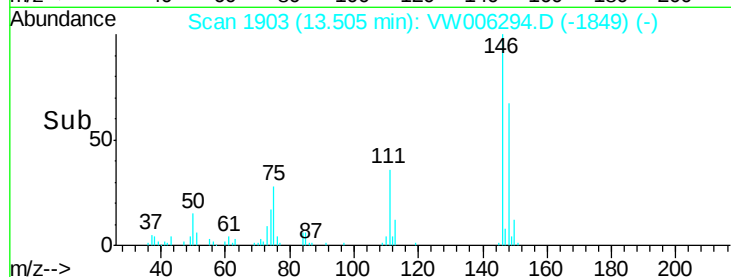
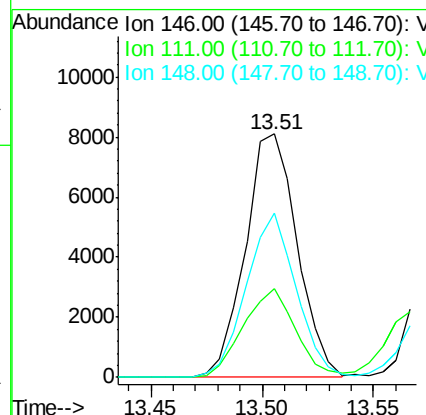
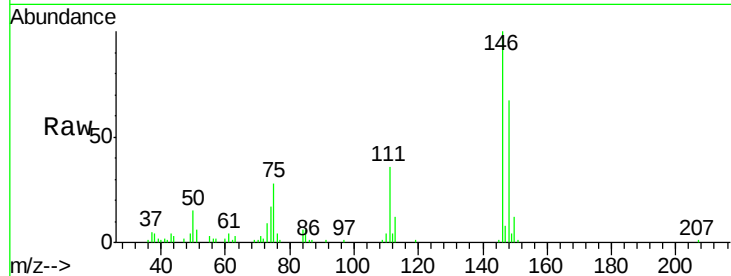
#63
 1,3-Dichlorobenzene
 Concen: 1.071 ug/L
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW006294.D
 Acq: 23 Oct 2018 14:15

Instrument :
 MSVOA_W
 ClientSampled :
 MDL

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.3	26.3	48.9
148	67.4	44.7	82.9

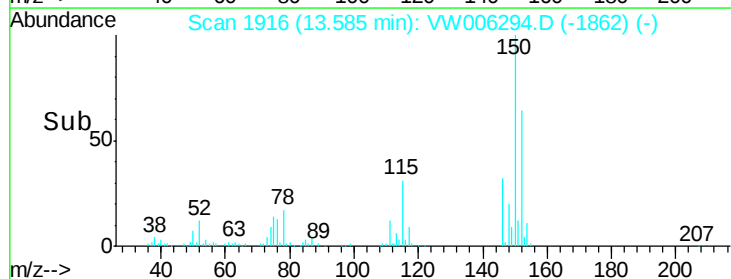
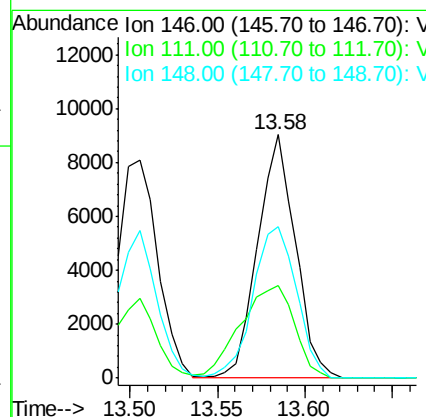
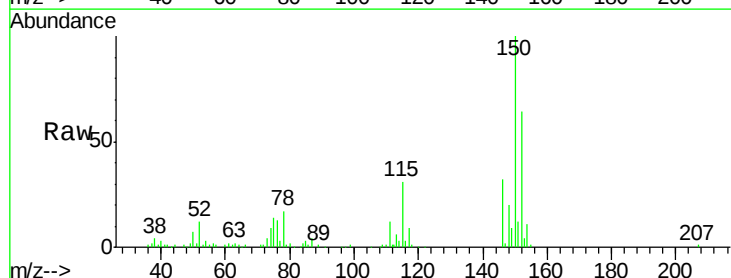
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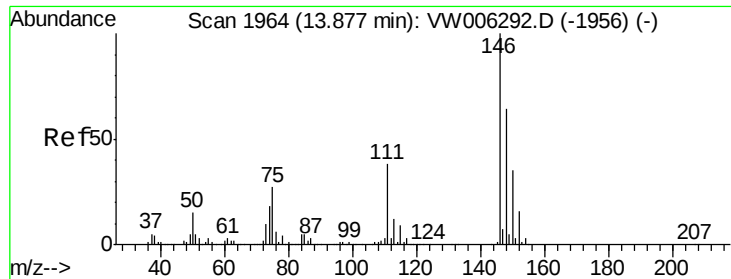
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#64
 1,4-Dichlorobenzene
 Concen: 1.098 ug/L
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW006294.D
 Acq: 23 Oct 2018 14:15

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.9	24.7	45.9
148	62.3	44.9	83.5





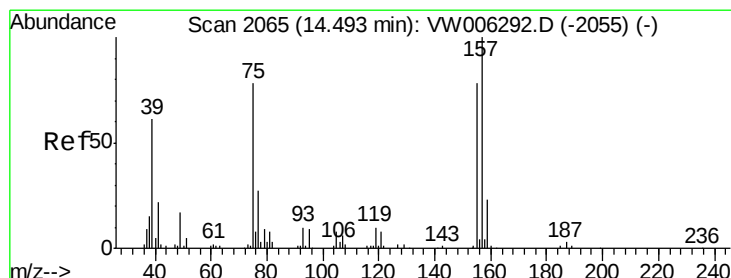
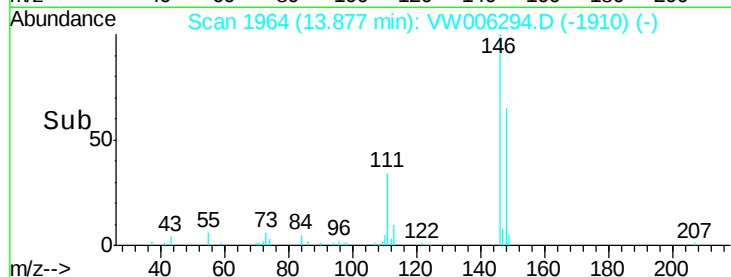
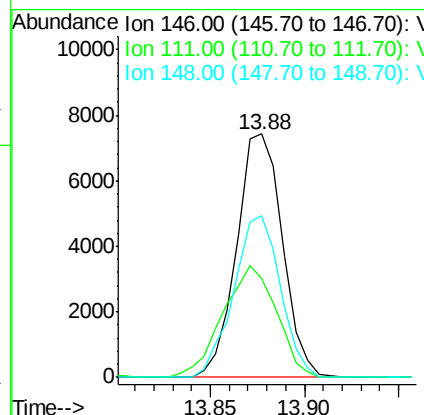
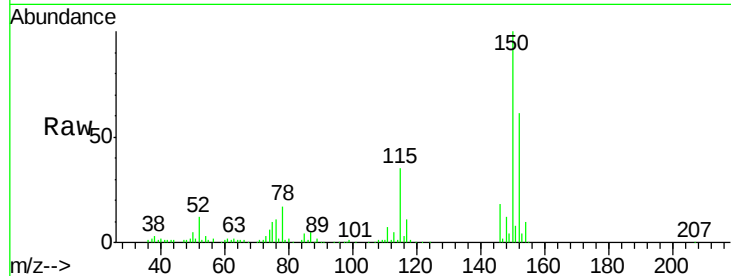
#65
 1,2-Dichlorobenzene
 Concen: 1.108 ug/L
 RT: 13.88 min Scan# 1964
 Delta R.T. -0.00 min
 Lab File: VW006294.D
 Acq: 23 Oct 2018 14:15

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.8	31.1	46.7
148	66.2	51.2	76.8

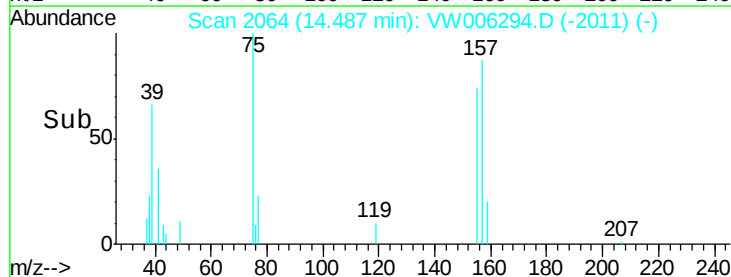
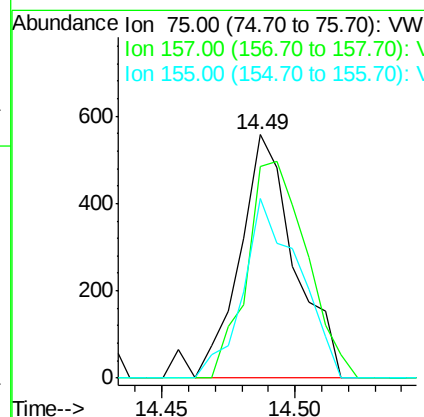
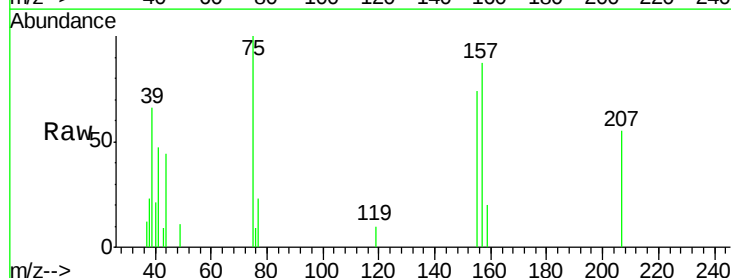
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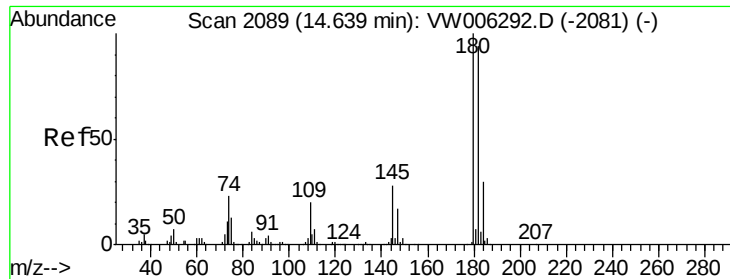
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#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.872 ug/L m
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.01 min
 Lab File: VW006294.D
 Acq: 23 Oct 2018 14:15

Tgt Ion	Ratio	Lower	Upper
75	100		
157	86.7	106.8	160.2#
155	73.8	79.2	118.8#





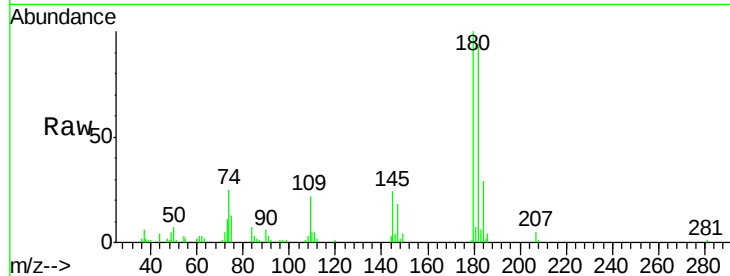
#67
 1,3,5-Trichlorobenzene
 Concen: 1.116 ug/L
 RT: 14.64 min Scan# 2089
 Delta R.T. -0.00 min
 Lab File: VW006294.D
 Acq: 23 Oct 2018 14:15

Instrument :
 MSVOA_W
 ClientSampleID :
 MDL

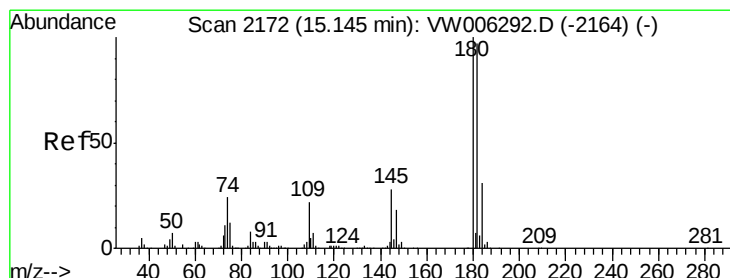
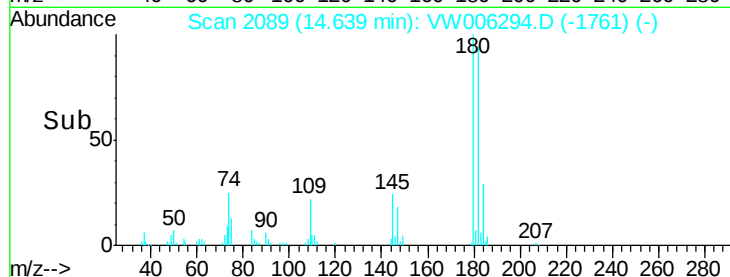
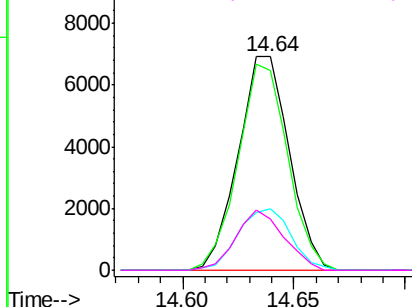
Tgt Ion:	180	Resp:	11059
Ion Ratio	Lower	Upper	
180	100		
182	93.8	76.0	114.0
184	30.1	24.3	36.5
145	26.4	22.6	33.8

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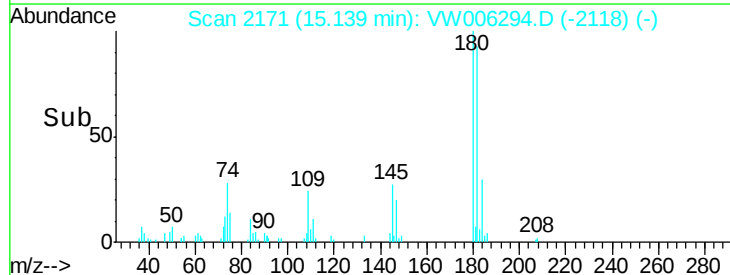
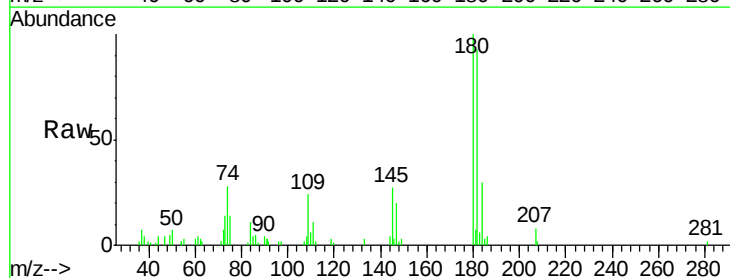
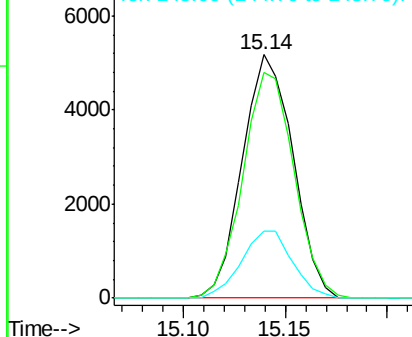
Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

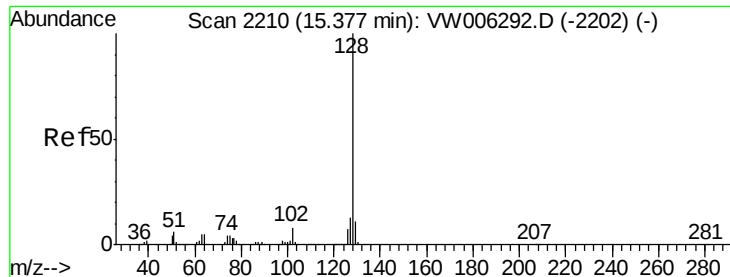


#68
 1,2,4-trichlorobenzene
 Concen: 1.057 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.01 min
 Lab File: VW006294.D
 Acq: 23 Oct 2018 14:15

Tgt Ion:	180	Resp:	8936
Ion Ratio	Lower	Upper	
180	100		
182	93.9	76.2	114.2
145	27.9	23.0	34.6

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





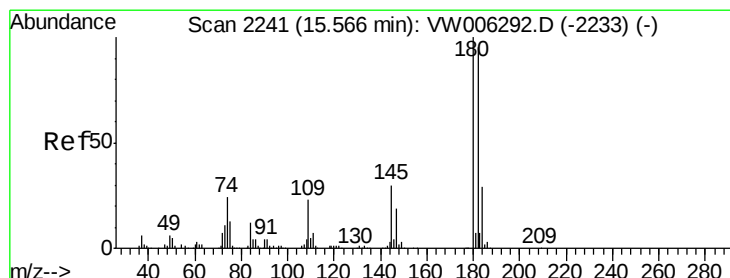
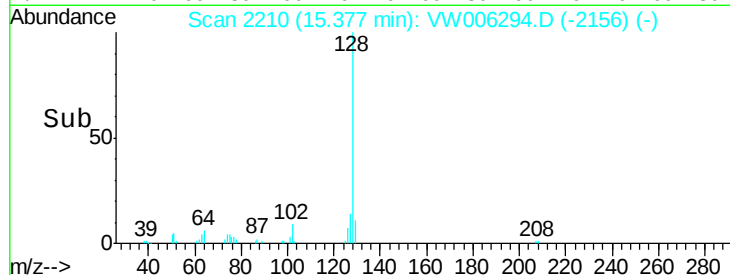
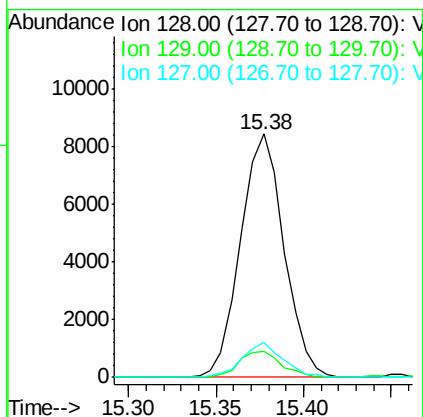
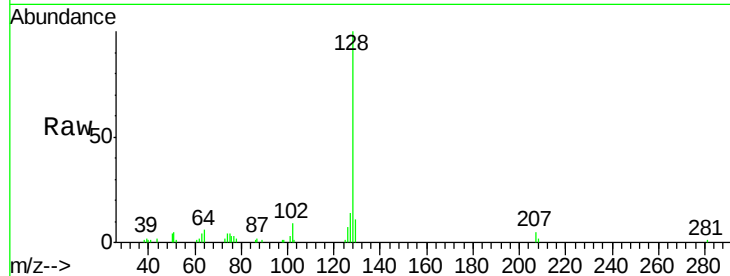
#69
Naphthalene
Concen: 0.852 ug/L
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW006294.D
Acq: 23 Oct 2018 14:15

Instrument :
MSVOA_W
ClientSampleId :
MDL

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	14585		
129	10.3		8.9	13.3
127	13.3		10.5	15.7

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#70
1,2,3-Trichlorobenzene
Concen: 0.999 ug/L
RT: 15.57 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VW006294.D
Acq: 23 Oct 2018 14:15

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	7583		
182	100.4		75.5	113.3
145	30.5		24.5	36.7

