

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102218\
 Data File : VW006270.D
 Acq On : 23 Oct 2018 01:29
 Operator : VA/AP
 Sample : VW1022SBSD02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1022SBSD02

Manual Integrations
 APPROVED

sam
 10/24/2018 5:33:29 PM

Quant Time: Oct 23 06:45:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 18 17:01:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	242454	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	352962	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	327093	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	184003	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	105767	52.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.24%	
35) Dibromofluoromethane	7.88	113	107615	51.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.20%	
50) Toluene-d8	10.33	98	396094	49.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.84%	
62) 4-Bromofluorobenzene	12.62	95	152852	51.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	20203	16.839	ug/l	97
3) Chloromethane	2.21	50	28224	18.275	ug/l	99
4) Vinyl Chloride	2.37	62	43356	19.657	ug/l	100
5) Bromomethane	2.78	94	42209	21.041	ug/l	98
6) Chloroethane	2.93	64	32366	20.477	ug/l	98
7) Trichlorofluoromethane	3.25	101	35710	17.380	ug/l	98
8) Diethyl Ether	3.68	74	22743	20.828	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	45926	21.329	ug/l	99
10) Methyl Iodide	4.26	142	75774	21.143	ug/l	99
11) Tert butyl alcohol	5.23	59	14405	106.557	ug/l #	71
12) 1,1-Dichloroethene	4.04	96	42707	21.082	ug/l	95
13) Acrolein	3.89	56	13050	99.762	ug/l	100
14) Allyl chloride	4.66	41	59351	20.490	ug/l	99
15) Acrylonitrile	5.37	53	46626	119.047	ug/l	99
16) Acetone	4.14	43	41759	101.970	ug/l	93
17) Carbon Disulfide	4.37	76	110517	18.076	ug/l	100
18) Methyl Acetate	4.68	43	24213	23.936	ug/l	97
19) Methyl tert-butyl Ether	5.43	73	69768	22.612	ug/l	96
20) Methylene Chloride	4.92	84	52725	23.942	ug/l	92
21) trans-1,2-Dichloroethene	5.42	96	50092	22.153	ug/l	98
22) Diisopropyl ether	6.31	45	127731	22.315	ug/l	99
23) Vinyl Acetate	6.26	43	365926	108.325	ug/l	100
24) 1,1-Dichloroethane	6.21	63	83726	22.669	ug/l	99
25) 2-Butanone	7.18	43	61765	113.744	ug/l	98
26) 2,2-Dichloropropane	7.16	77	50628	19.435	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	57802	23.165	ug/l	98
28) Bromochloromethane	7.51	49	28431	19.939	ug/l	97
29) Tetrahydrofuran	7.54	42	38056	114.015	ug/l	96
30) Chloroform	7.68	83	93260	23.176	ug/l	96
31) Cyclohexane	7.95	56	74084	20.142	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	77065	21.230	ug/l	99
36) 1,1-Dichloropropene	8.08	75	70228	21.587	ug/l	99
37) Ethyl Acetate	7.26	43	27578	22.816	ug/l	99
38) Carbon Tetrachloride	8.07	117	72352	20.287	ug/l	96

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Manual Integrations
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Quant Time: Oct 23 06:45:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 18 17:01:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	87184	20.160	ug/l	95
40) Benzene	8.32	78	202776	22.722	ug/l	99
41) Methacrylonitrile	7.49	41	15613	21.427	ug/l	93
42) 1,2-Dichloroethane	8.40	62	60626	23.123	ug/l	100
43) Isopropyl Acetate	8.43	43	54673	22.122	ug/l	99
44) Trichloroethene	9.09	130	60747	22.187	ug/l	98
45) 1,2-Dichloropropane	9.37	63	48228	22.584	ug/l	100
46) Dibromomethane	9.46	93	28526	23.437	ug/l	98
47) Bromodichloromethane	9.65	83	63466	21.508	ug/l	97
48) Methyl methacrylate	9.44	41	25592	21.846	ug/l	94
49) 1,4-Dioxane	9.47	88	9444	504.025	ug/l #	98
51) 4-Methyl-2-Pentanone	10.21	43	141137	113.978	ug/l	99
52) Toluene	10.39	92	133952	22.389	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	60922	20.722	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	71407	21.163	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	39540	23.215	ug/l	98
56) Ethyl methacrylate	10.65	69	47045	22.531	ug/l	96
57) 1,3-Dichloropropane	10.93	76	65751	23.320	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	86331	108.204	ug/l	100
59) 2-Hexanone	10.97	43	97043	109.786	ug/l	99
60) Dibromochloromethane	11.13	129	45067	21.243	ug/l	99
61) 1,2-Dibromoethane	11.24	107	39139	22.998	ug/l	99
64) Tetrachloroethene	10.87	164	57380	22.597	ug/l	98
65) Chlorobenzene	11.66	112	158247	22.600	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	52904	21.260	ug/l	98
67) Ethyl Benzene	11.74	91	266953	21.999	ug/l	99
68) m/p-Xylenes	11.84	106	211594	44.116	ug/l	99
69) o-Xylene	12.17	106	99710	21.813	ug/l	99
70) Styrene	12.18	104	162785	21.900	ug/l	99
71) Bromoform	12.35	173	27418	19.754	ug/l #	99
73) Isopropylbenzene	12.47	105	281158	21.629	ug/l	100
74) N-amyl acetate	12.28	43	52039	20.611	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	45476	23.001	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	35467m	25.236	ug/l	
77) Bromobenzene	12.75	156	70992	22.297	ug/l	99
78) n-propylbenzene	12.81	91	327308	21.642	ug/l	100
79) 2-Chlorotoluene	12.90	91	184913	21.761	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	237348	21.658	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	10486	17.835	ug/l	91
82) 4-Chlorotoluene	12.99	91	198068	22.252	ug/l	100
83) tert-Butylbenzene	13.21	119	210840	21.504	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	242625	21.879	ug/l	100
85) sec-Butylbenzene	13.39	105	297832	21.502	ug/l	100
86) p-Isopropyltoluene	13.51	119	270438	21.586	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	141388	22.313	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	141833	22.481	ug/l	100
89) n-Butylbenzene	13.83	91	245956	21.466	ug/l	99
90) Hexachloroethane	14.10	117	42229	19.899	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	127362	22.533	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7080	20.001	ug/l	96

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MSVOA_W
ClientSampleId :
VW1022SBSD02

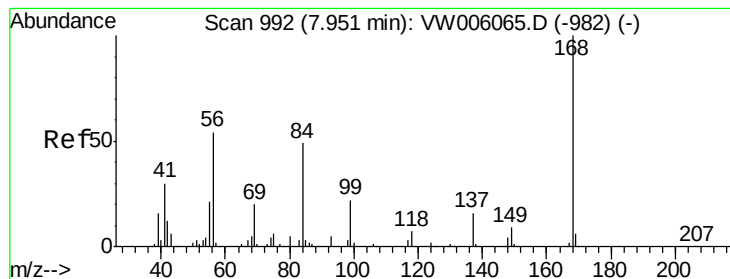
Manual Integrations
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Quant Time: Oct 23 06:45:47 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 18 17:01:24 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	95916	22.054	ug/l	100
94) Hexachlorobutadiene	15.24	225	59364	21.729	ug/l	99
95) Naphthalene	15.38	128	163537	22.605	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	86125	22.895	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW006270.D

Acq: 23 Oct 2018 01:29

Instrument :

MSVOA_W

ClientSampleId :

VW1022SBSD02

Tot Ion:168 Resp: 242454

Ion Ratio Lower Upper

168 100

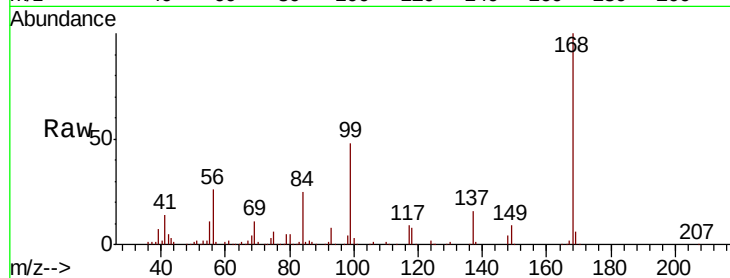
99 48.1 39.9 59.9

Manual Integrations

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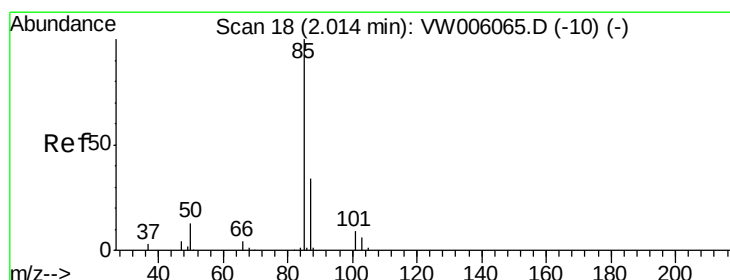
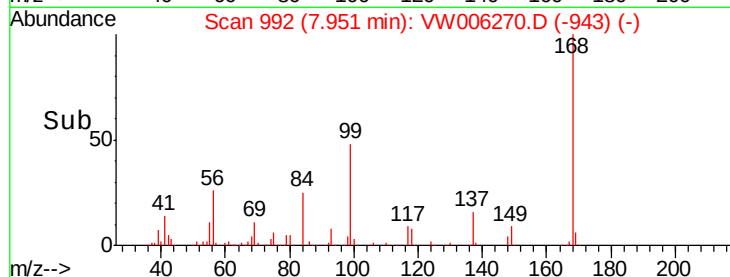
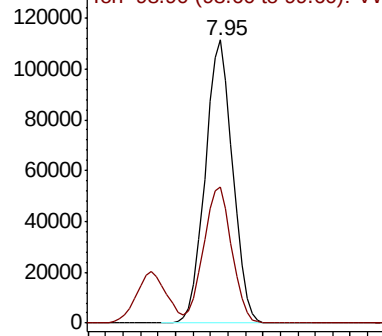
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 16.839 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW006270.D

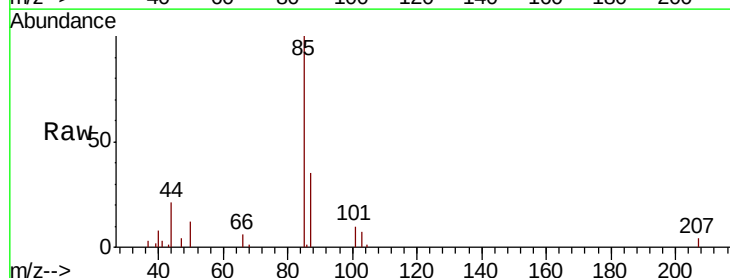
Acq: 23 Oct 2018 01:29

Tgt Ion: 85 Resp: 20203

Ion Ratio Lower Upper

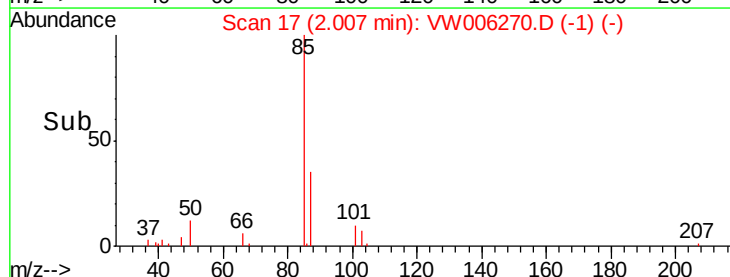
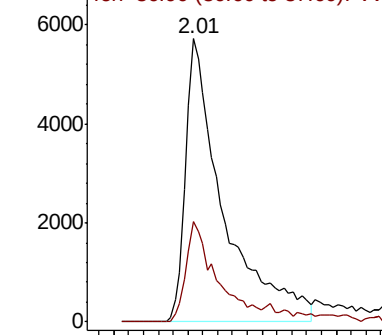
85 100

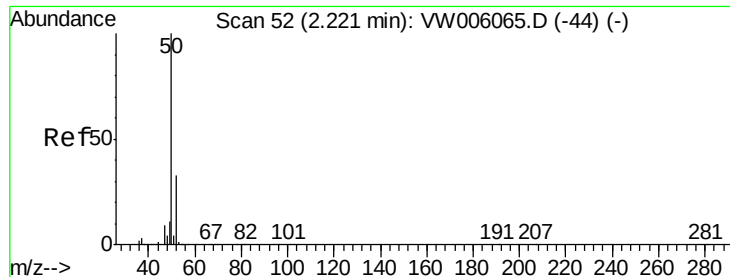
87 35.5 16.9 50.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 18.275 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW006270.D

Acq: 23 Oct 2018 01:29

Instrument :

MSVOA_W

ClientSampleId :

VW1022SBSD02

Tot Ion: 50 Resp: 28224

Ion Ratio Lower Upper

50 100

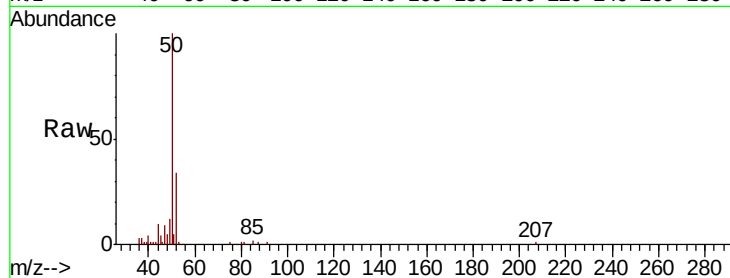
52 33.8 26.8 40.2

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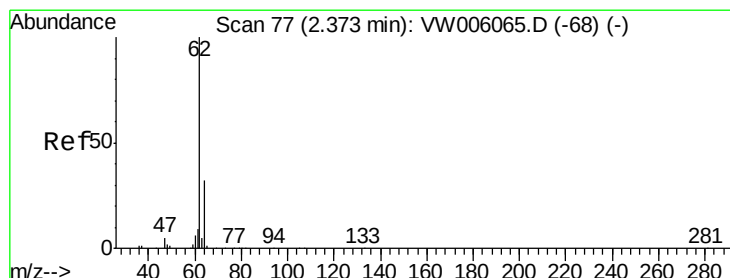
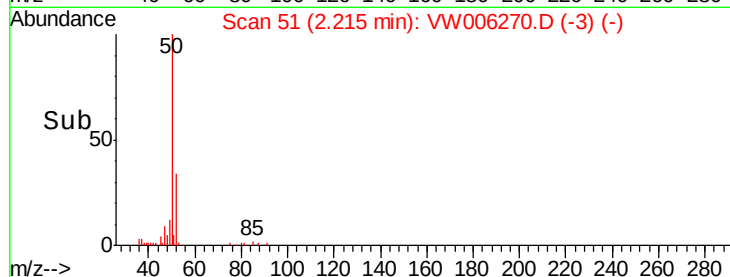
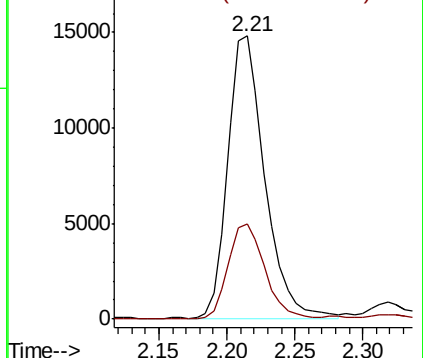
sam

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Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 19.657 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.01 min

Lab File: VW006270.D

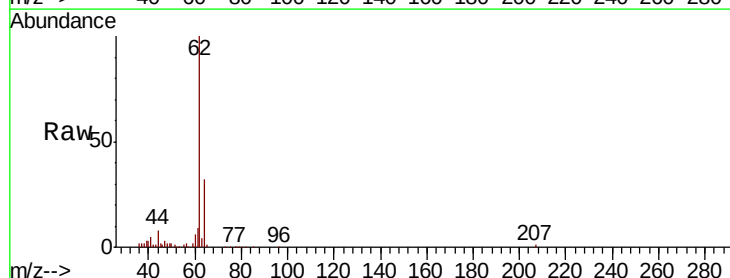
Acq: 23 Oct 2018 01:29

Tgt Ion: 62 Resp: 43356

Ion Ratio Lower Upper

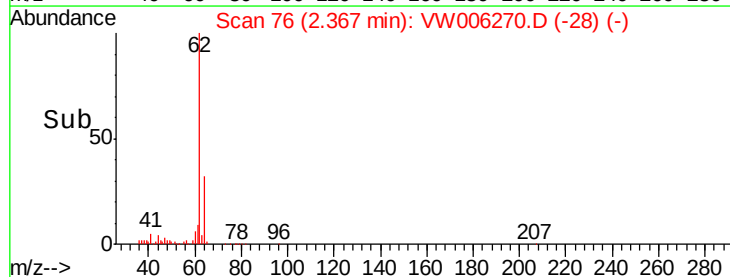
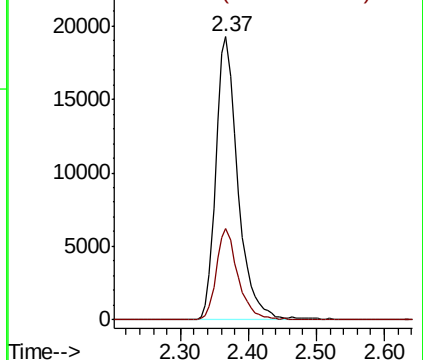
62 100

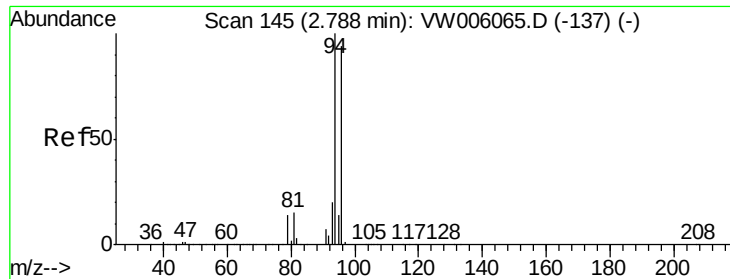
64 32.3 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 21.041 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.01 min

Lab File: VW006270.D

Acq: 23 Oct 2018 01:29

Instrument :

MSVOA_W

ClientSampleId :

VW1022SBS02

Tot Ion: 94 Resp: 42209

Ion Ratio Lower Upper

94 100

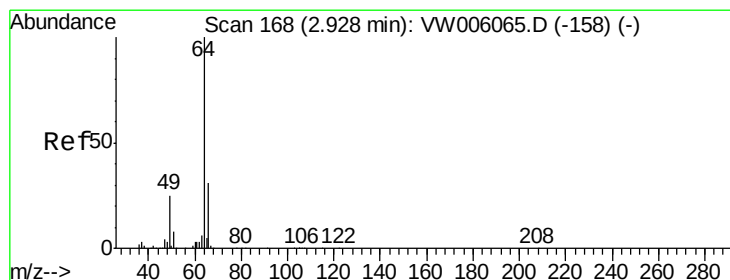
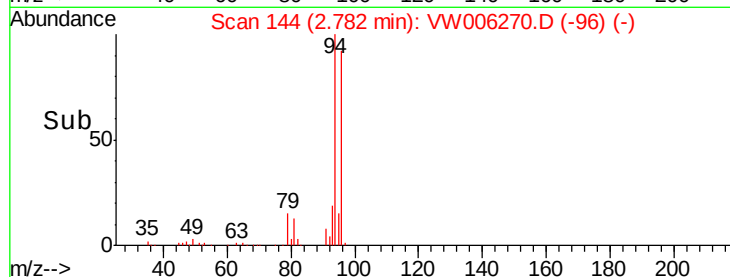
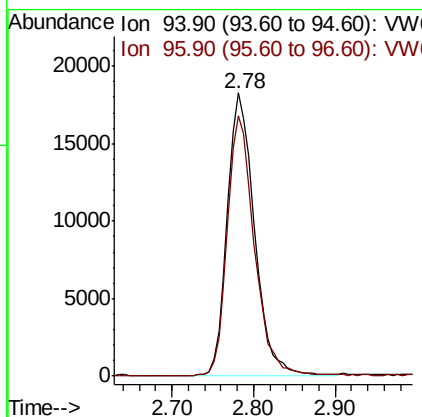
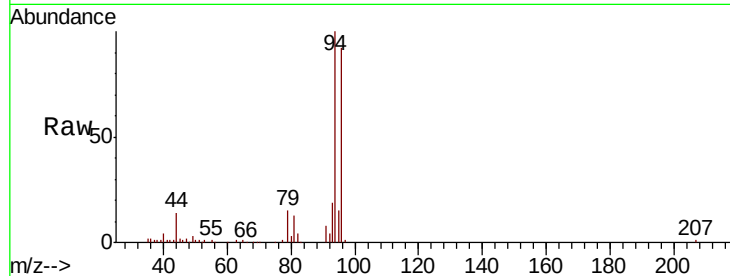
96 91.8 74.9 112.3

Manual Integrations

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#6

Chloroethane

Concen: 20.477 ug/l

RT: 2.93 min Scan# 168

Delta R.T. -0.00 min

Lab File: VW006270.D

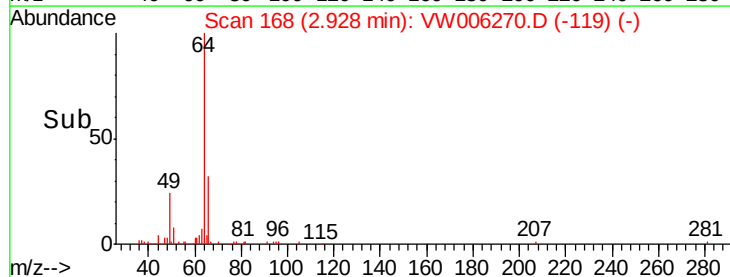
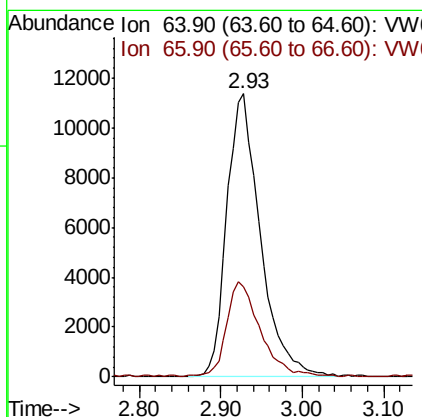
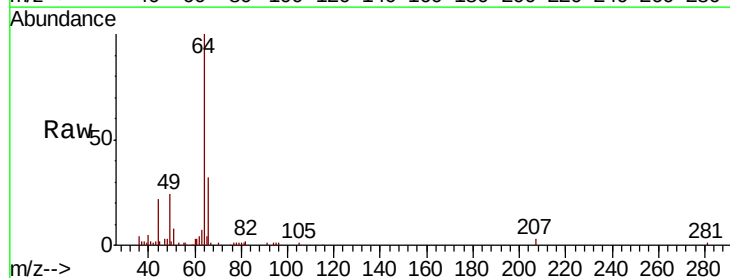
Acq: 23 Oct 2018 01:29

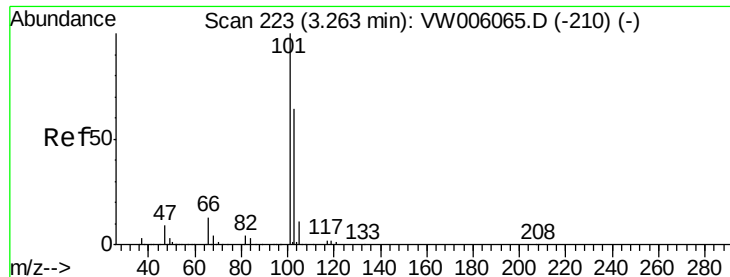
Tgt Ion: 64 Resp: 32366

Ion Ratio Lower Upper

64 100

66 32.0 24.9 37.3





#7

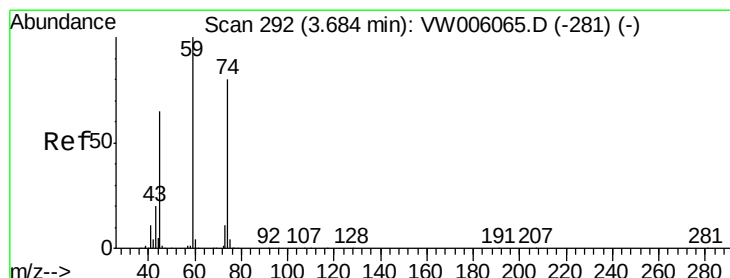
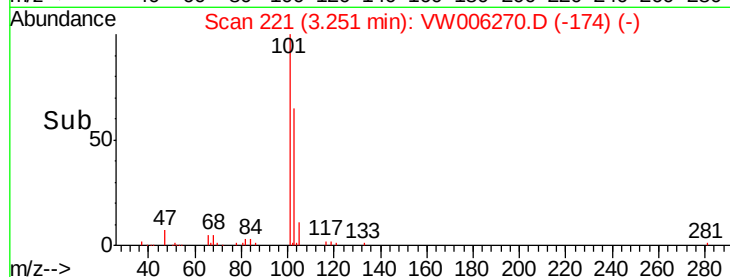
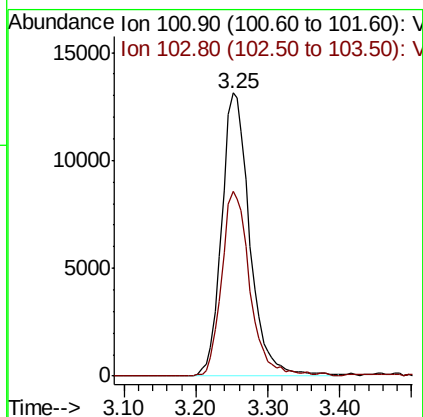
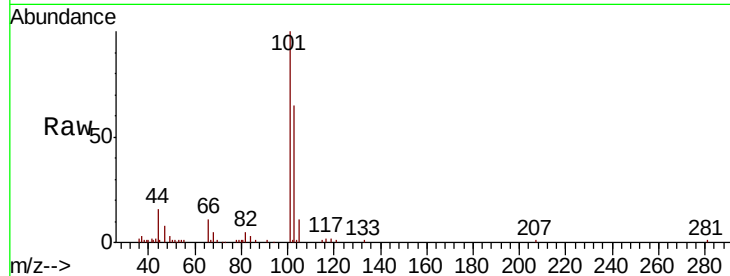
Trichlorofluoromethane
Concen: 17.380 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW006270.D
Acq: 23 Oct 2018 01:29

Instrument :
MSVOA_W
ClientSampleId :
VW1022SBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.5	51.2	76.8

Manual Integrations
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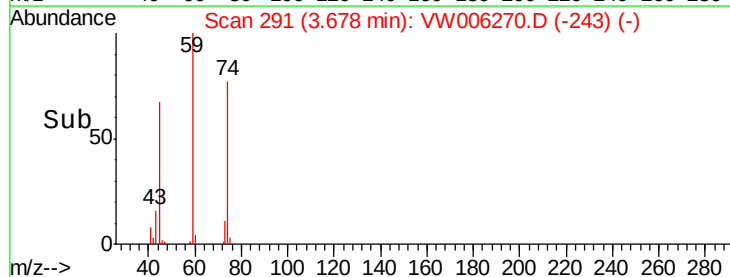
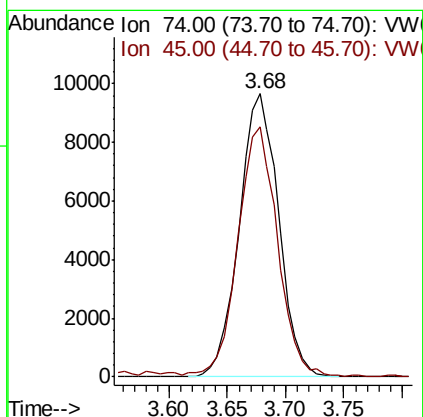
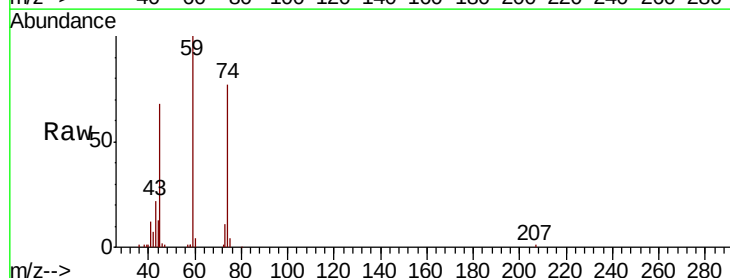
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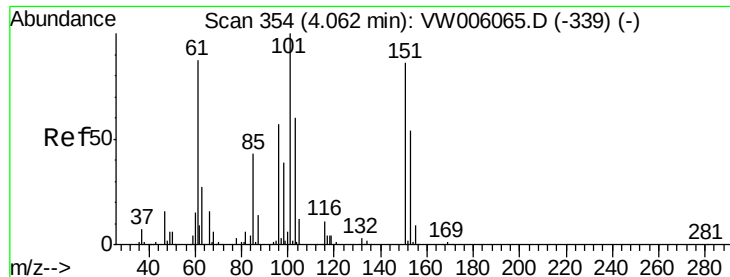


#8

Diethyl Ether
Concen: 20.828 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.01 min
Lab File: VW006270.D
Acq: 23 Oct 2018 01:29

Tgt Ion	Ratio	Lower	Upper
74	100		
45	89.4	42.8	128.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.329 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW006270.D

Acq: 23 Oct 2018 01:29

Instrument :

MSVOA_W

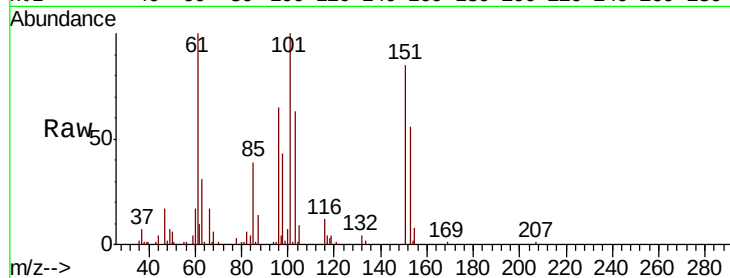
ClientSampleId :

VW1022SBSD02

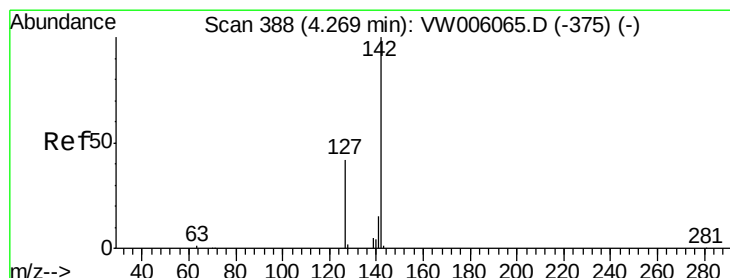
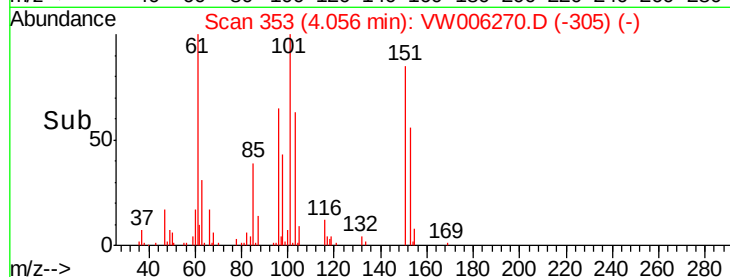
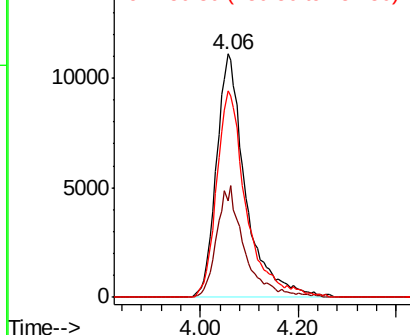
Tot Ion:	101	Resp:	45926
Ion Ratio	Lower	Upper	
101	100		
85	43.6	34.9	52.3
151	86.1	70.4	105.6

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 21.143 ug/l

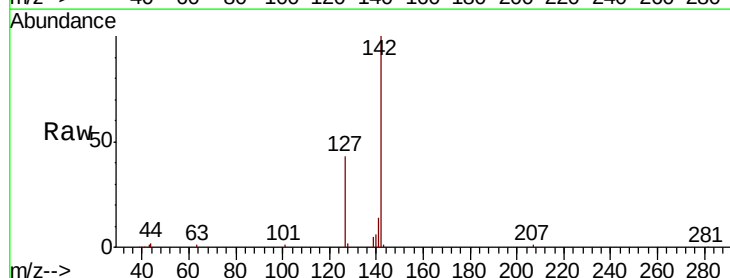
RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

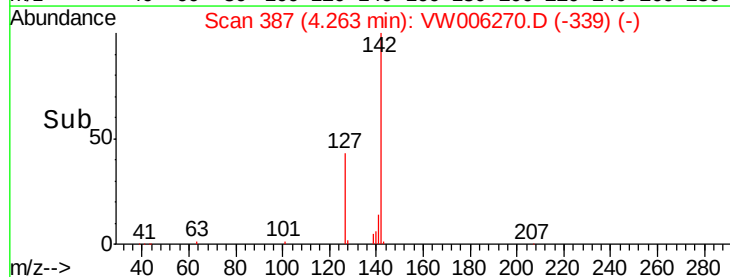
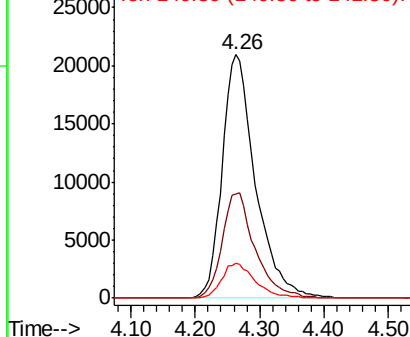
Lab File: VW006270.D

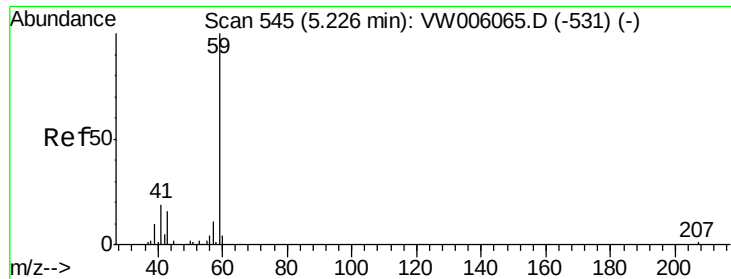
Acq: 23 Oct 2018 01:29

Tgt Ion:	142	Resp:	75774
Ion Ratio	Lower	Upper	
142	100		
127	42.8	33.6	50.4
141	14.4	11.6	17.4



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

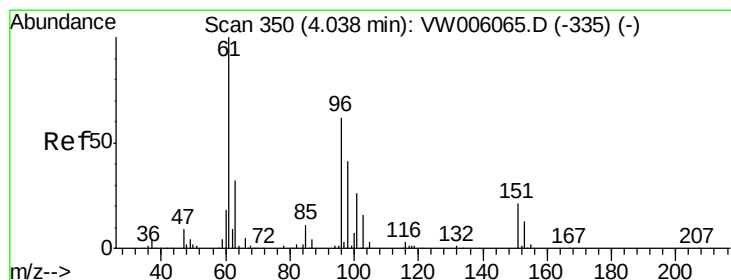
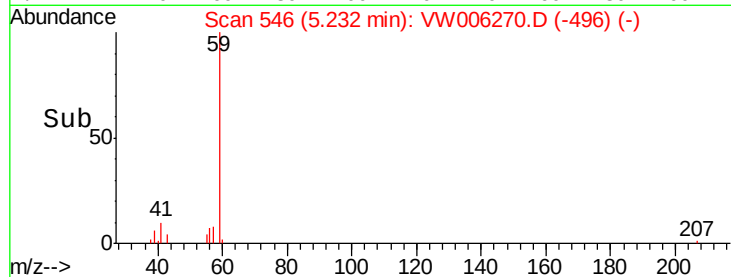
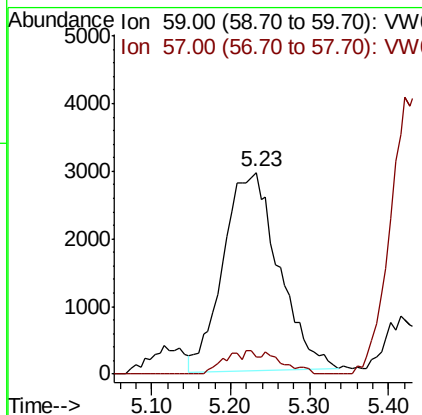
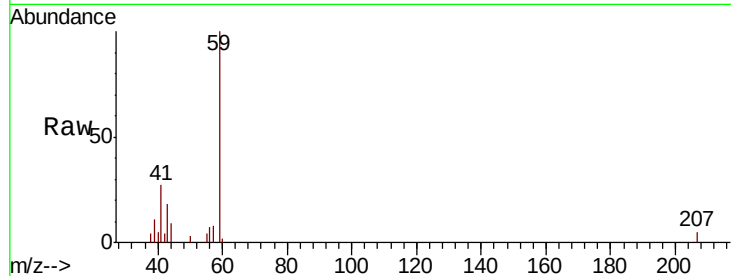
Tert butyl alcohol
Concen: 106.557 ug/l
RT: 5.23 min Scan# 546
Delta R.T. 0.01 min
Lab File: VW006270.D
Acq: 23 Oct 2018 01:29

Instrument :
MSVOA_W
ClientSampleId :
VW1022SBSD02

Tot Ion	59	57	Ratio	100	0.0	Resp:	14405	Lower	Upper
59	100								
57		0.0						8.7	13.1#

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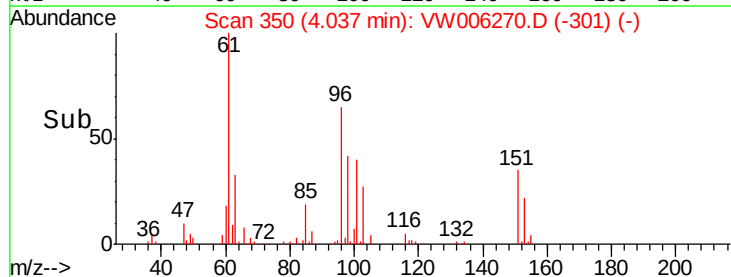
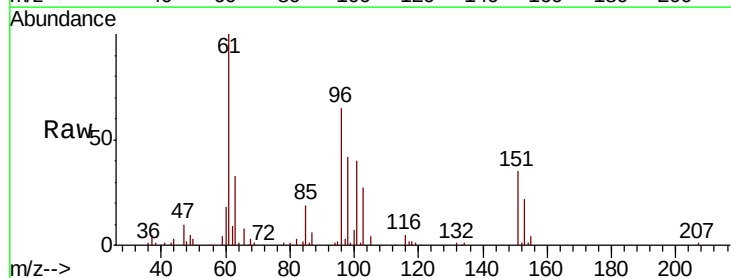
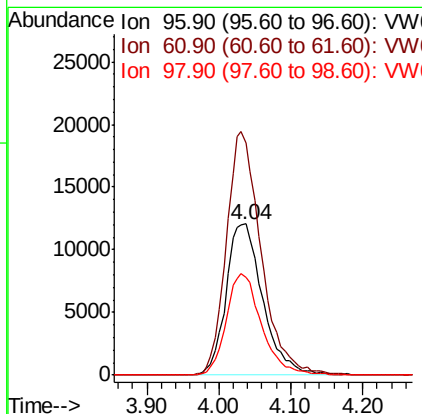
sam
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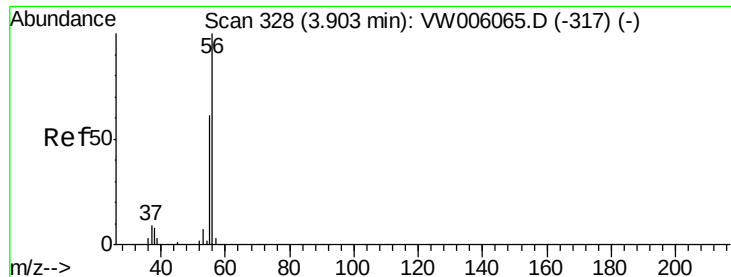


#12

1,1-Dichloroethene
Concen: 21.082 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.00 min
Lab File: VW006270.D
Acq: 23 Oct 2018 01:29

Tgt Ion	96	61	98	Ratio	100	153.8	64.6	Resp:	42707	Lower	Upper
96	100										
61		153.8								129.3	193.9
98		64.6								53.1	79.7





#13

Acrolein

Concen: 99.762 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.01 min

Lab File: VW006270.D

Acq: 23 Oct 2018 01:29

Instrument :

MSVOA_W

ClientSampleId :

VW1022SBS02

Tot Ion: 56 Resp: 13050

Ion Ratio Lower Upper

56 100

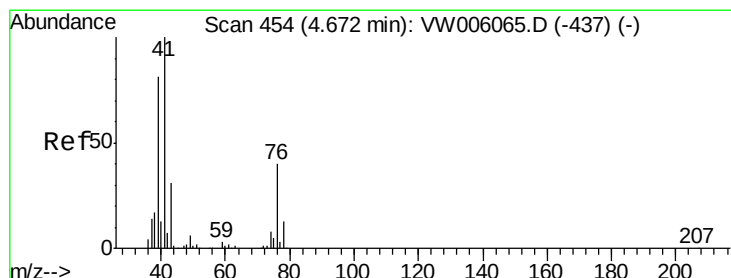
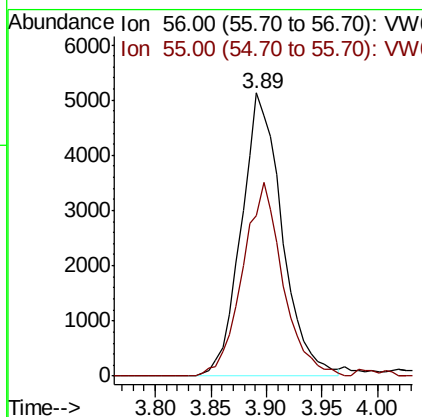
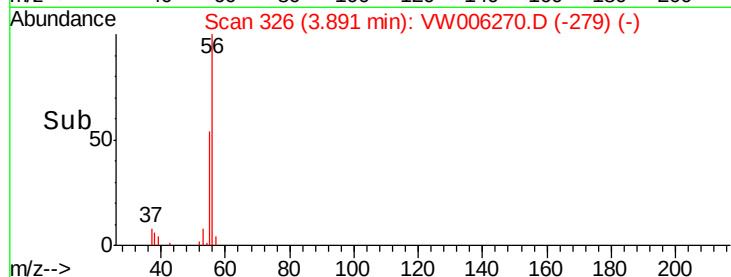
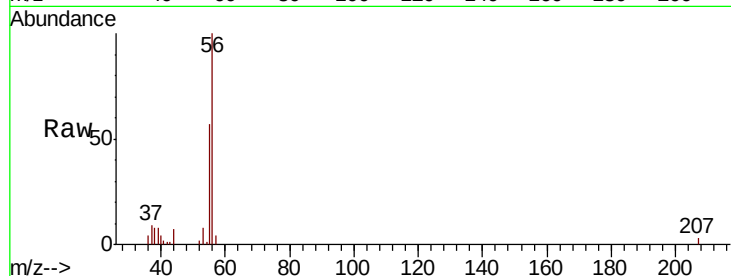
55 67.9 54.5 81.7

Manual Integrations

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#14

Allyl chloride

Concen: 20.490 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW006270.D

Acq: 23 Oct 2018 01:29

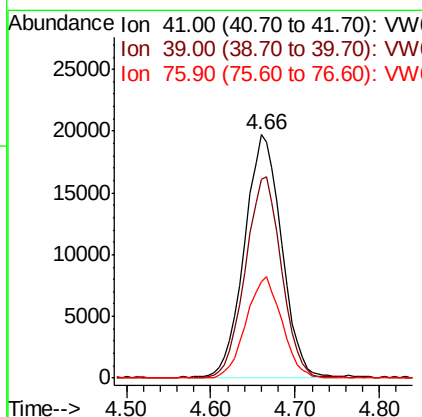
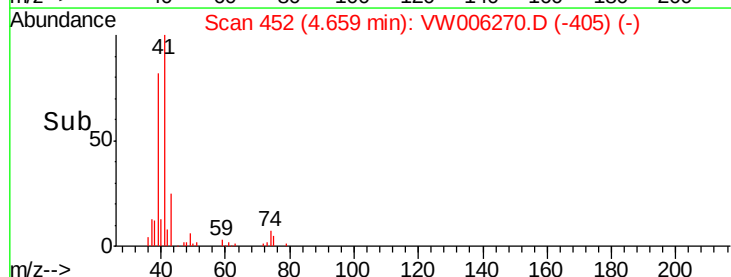
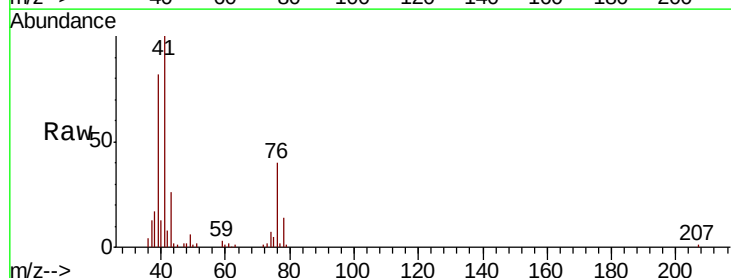
Tgt Ion: 41 Resp: 59351

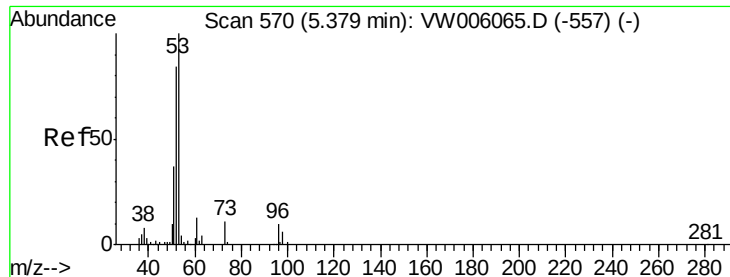
Ion Ratio Lower Upper

41 100

39 80.5 64.1 96.1

76 39.8 32.2 48.4





#15

Acrylonitrile

Concen: 119.047 ug/l

RT: 5.37 min Scan# 569

Delta R.T. -0.01 min

Lab File: VW006270.D

Acq: 23 Oct 2018 01:29

Instrument :

MSVOA_W

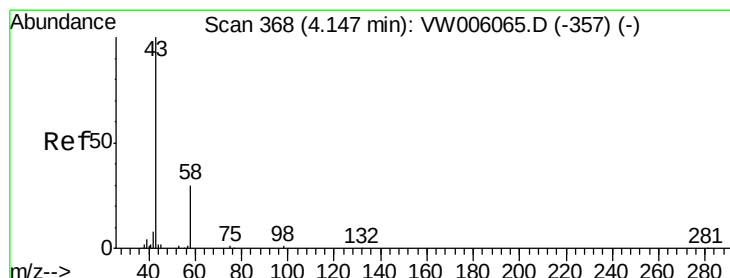
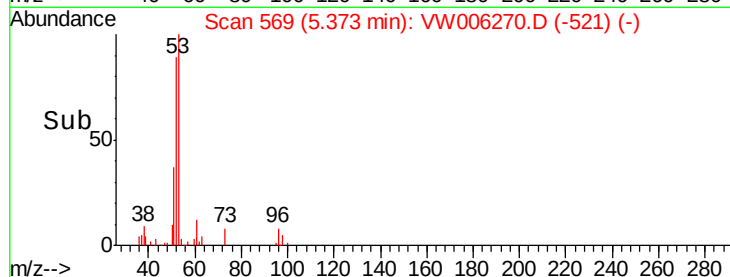
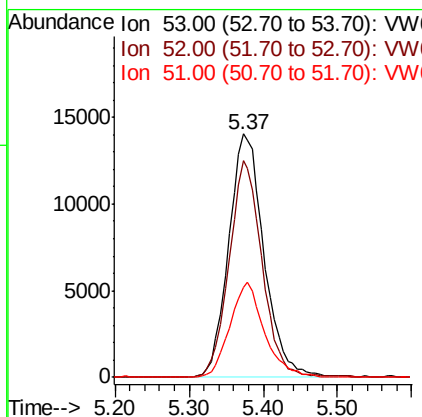
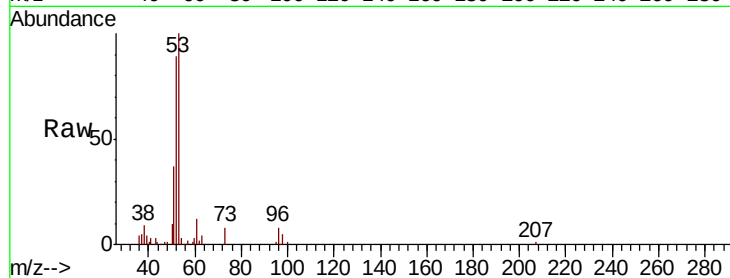
ClientSampleId :

VW1022SBSD02

Tot Ion:	53	Resp:	46626
Ion	Ratio	Lower	Upper
53	100		
52	82.6	66.9	100.3
51	38.0	30.1	45.1

Manual Integrations
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#16

Acetone

Concen: 101.970 ug/l

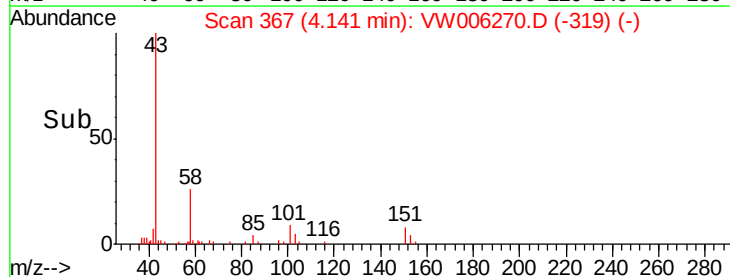
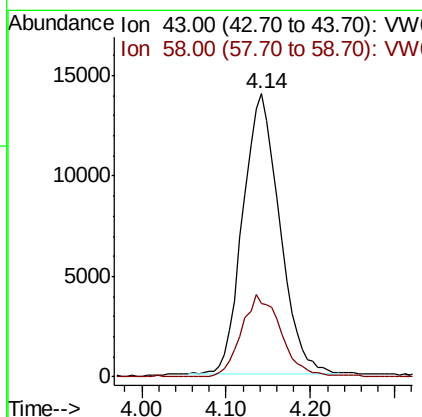
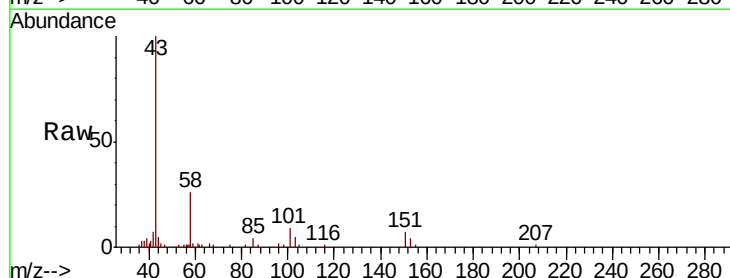
RT: 4.14 min Scan# 367

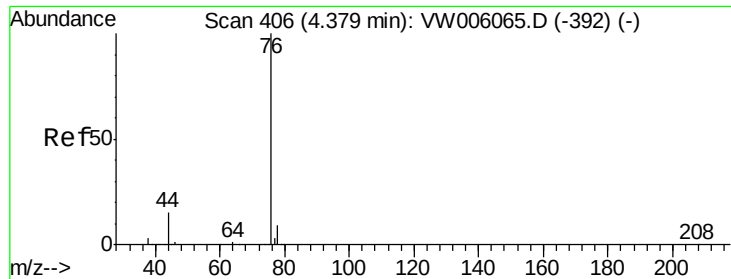
Delta R.T. -0.01 min

Lab File: VW006270.D

Acq: 23 Oct 2018 01:29

Tgt Ion:	43	Resp:	41759
Ion	Ratio	Lower	Upper
43	100		
58	26.2	24.0	36.0





#17

Carbon Disulfide

Concen: 18.076 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW006270.D

Acq: 23 Oct 2018 01:29

Instrument :

MSVOA_W

ClientSampleId :

VW1022SBSD02

Tot Ion: 76 Resp: 110517

Ion Ratio Lower Upper

76 100

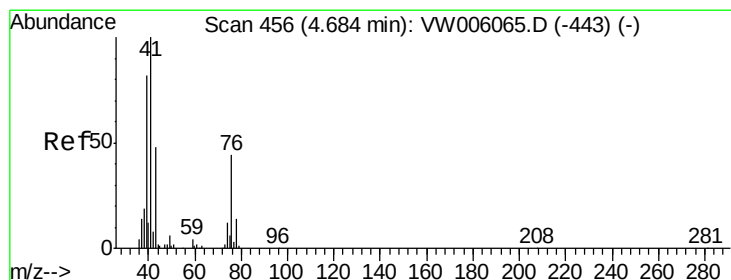
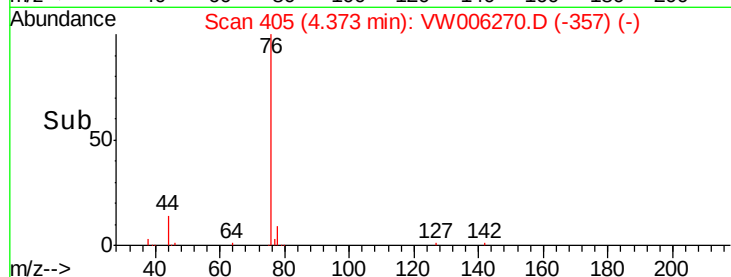
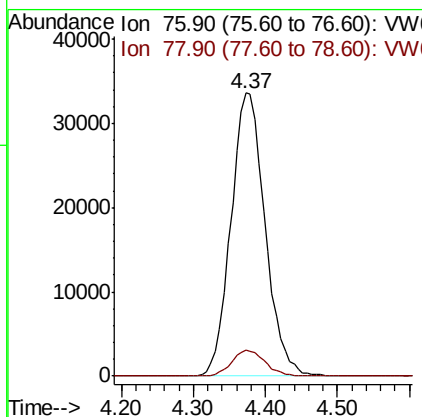
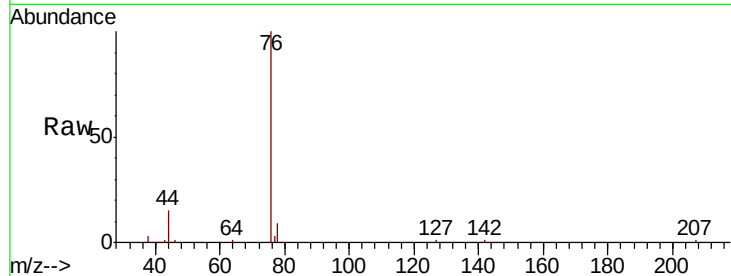
78 9.3 7.5 11.3

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#18

Methyl Acetate

Concen: 23.936 ug/l

RT: 4.68 min Scan# 455

Delta R.T. -0.01 min

Lab File: VW006270.D

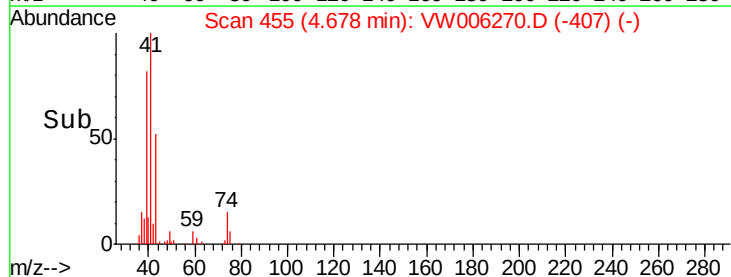
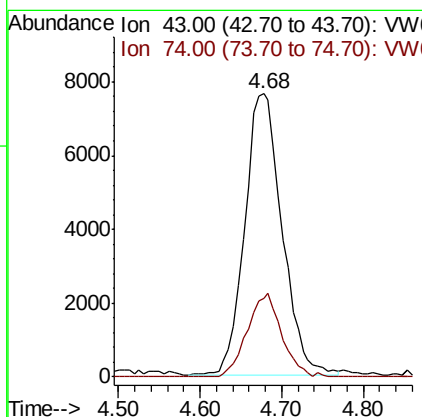
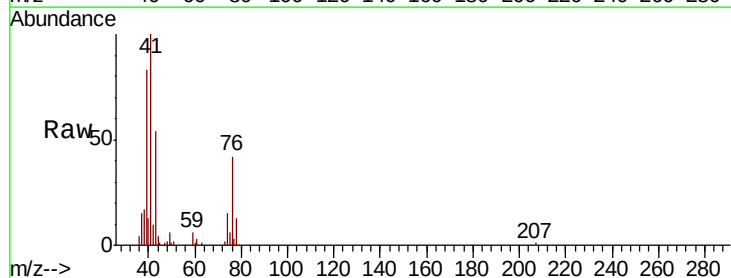
Acq: 23 Oct 2018 01:29

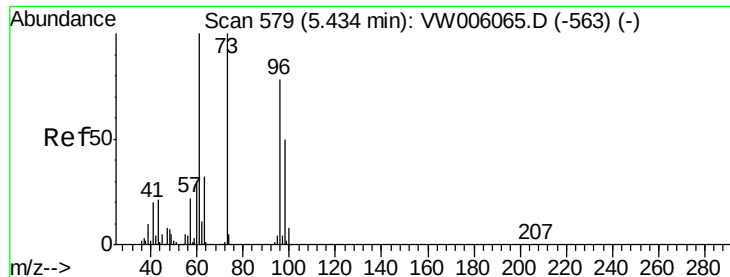
Tgt Ion: 43 Resp: 24213

Ion Ratio Lower Upper

43 100

74 27.2 20.5 30.7





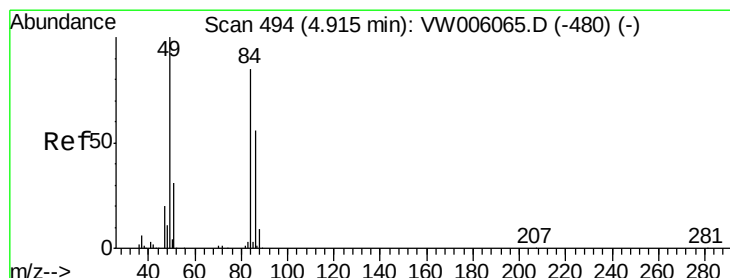
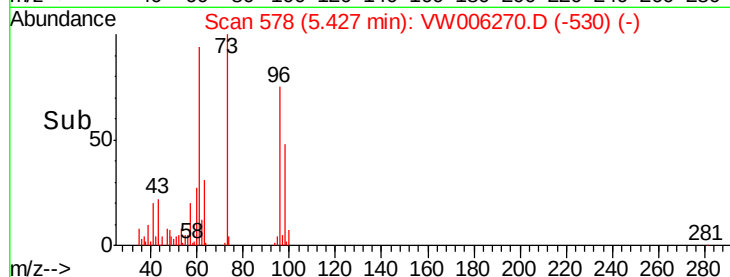
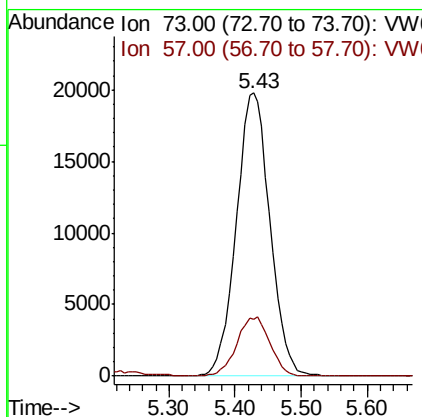
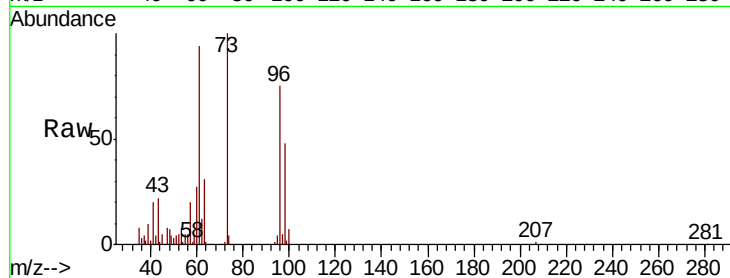
#19
Methyl tert-butyl Ether
Concen: 22.612 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.01 min
Lab File: VW006270.D
Acq: 23 Oct 2018 01:29

Instrument :
MSVOA_W
ClientSampleId :
VW1022SBS02

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.0	17.4	26.2

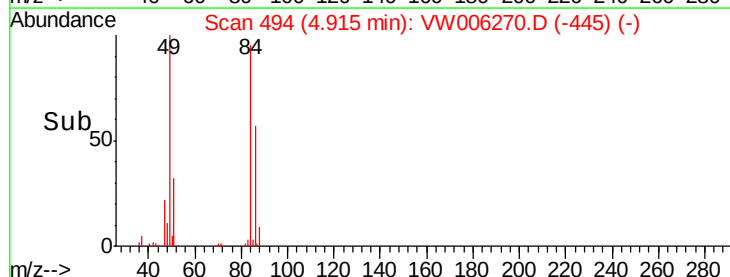
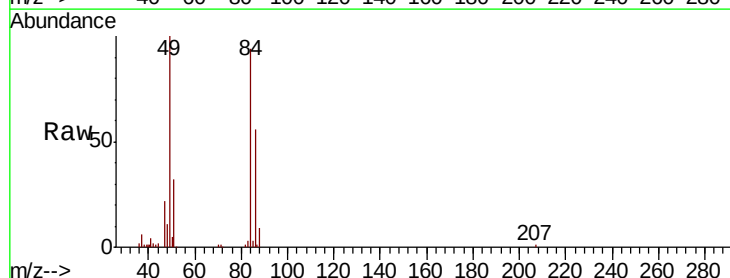
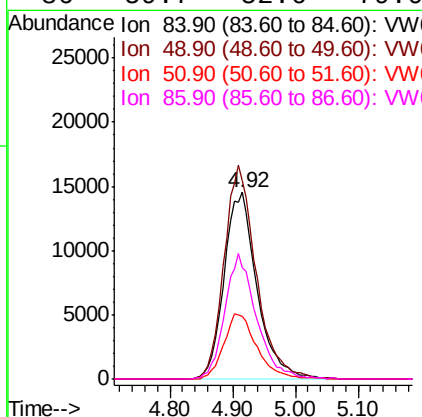
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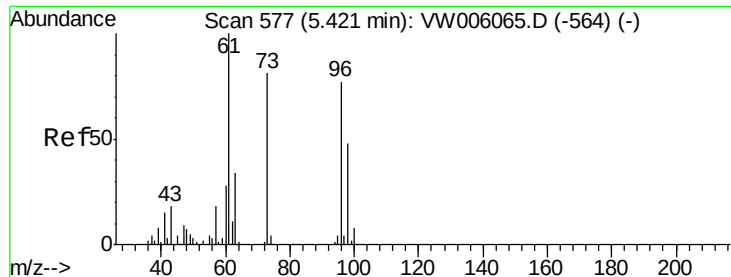
sam
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#20
Methylene Chloride
Concen: 23.942 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW006270.D
Acq: 23 Oct 2018 01:29

Tgt Ion	Ratio	Lower	Upper
84	100		
49	106.1	93.6	140.4
51	33.6	29.0	43.4
86	59.7	52.6	79.0





#21

trans-1,2-Dichloroethene

Concen: 22.153 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW006270.D

Acq: 23 Oct 2018 01:29

Instrument :

MSVOA_W

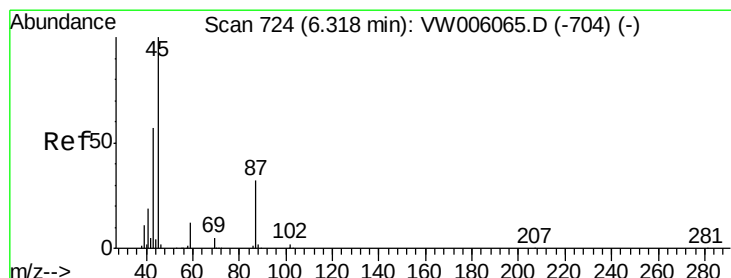
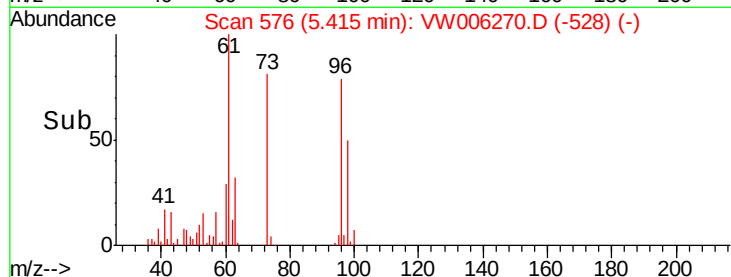
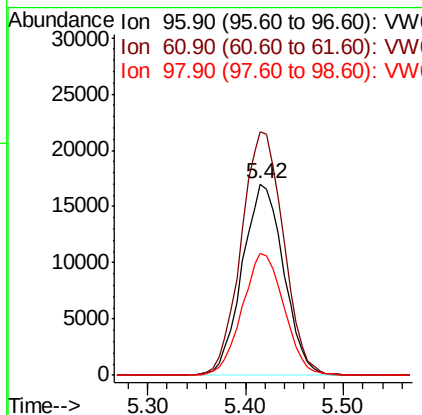
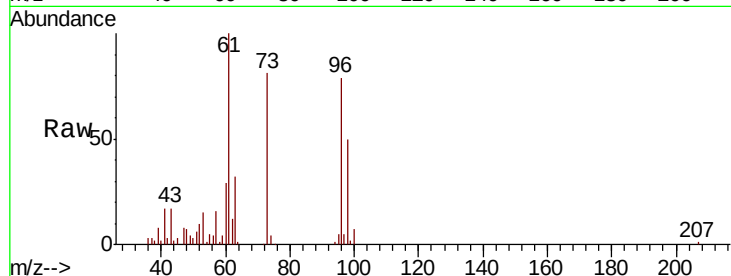
ClientSampleId :

VW1022SBSD02

Tot Ion:	96	Resp:	50092
Ion	Ratio	Lower	Upper
96	100		
61	127.1	104.5	156.7
98	63.9	50.6	75.8

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#22

Diisopropyl ether

Concen: 22.315 ug/l

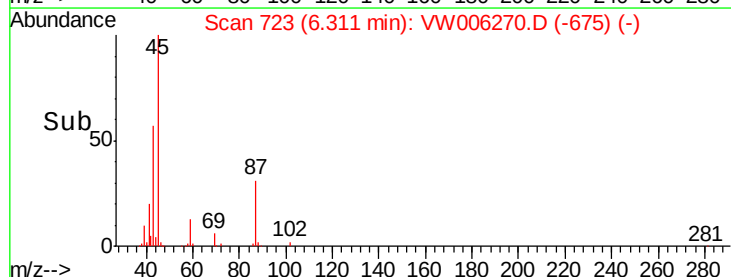
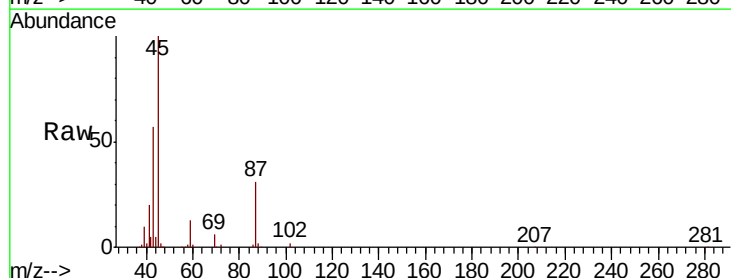
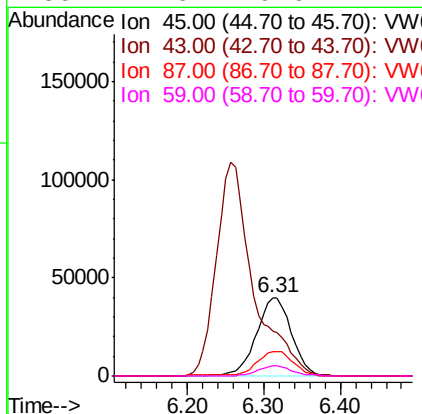
RT: 6.31 min Scan# 723

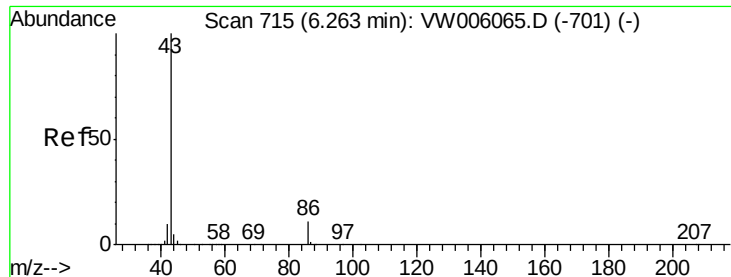
Delta R.T. -0.01 min

Lab File: VW006270.D

Acq: 23 Oct 2018 01:29

Tgt Ion:	45	Resp:	127731
Ion	Ratio	Lower	Upper
45	100		
43	56.8	45.7	68.5
87	31.0	25.9	38.9
59	12.6	9.6	14.4





#23

Vinyl Acetate

Concen: 108.325 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.01 min

Lab File: VW006270.D

Acq: 23 Oct 2018 01:29

Instrument :

MSVOA_W

ClientSampleId :

VW1022SBS02

Tot Ion: 43 Resp: 365926

Ion Ratio Lower Upper

43 100

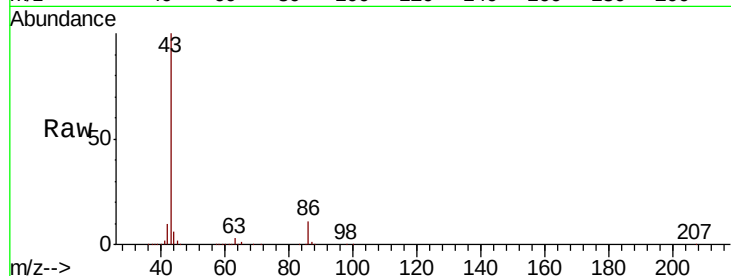
86 11.4 9.0 13.6

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.26

120000

100000

80000

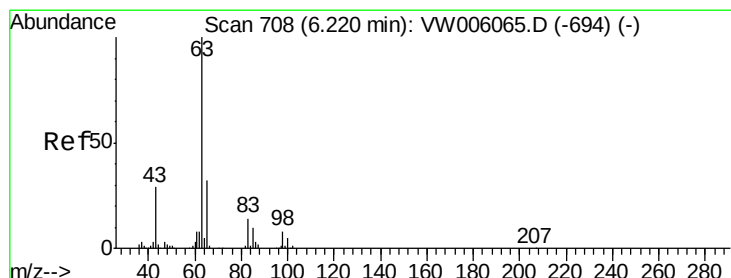
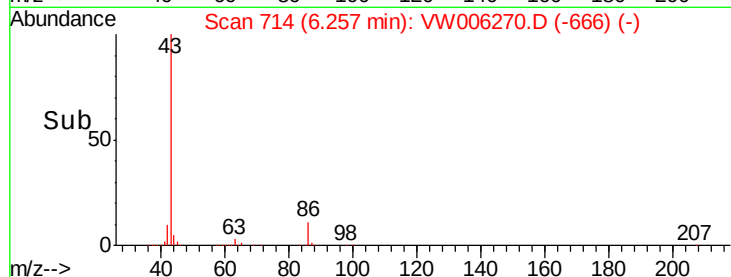
60000

40000

20000

0

Time-->



#24

1,1-Dichloroethane

Concen: 22.669 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW006270.D

Acq: 23 Oct 2018 01:29

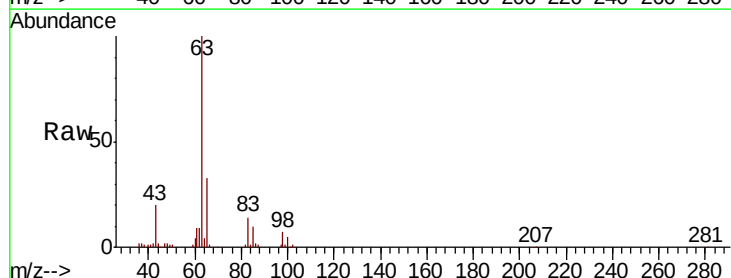
Tgt Ion: 63 Resp: 83726

Ion Ratio Lower Upper

63 100

98 7.1 3.8 11.2

100 5.0 2.5 7.5



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

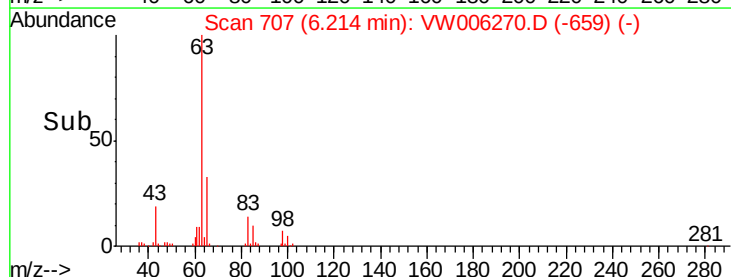
30000

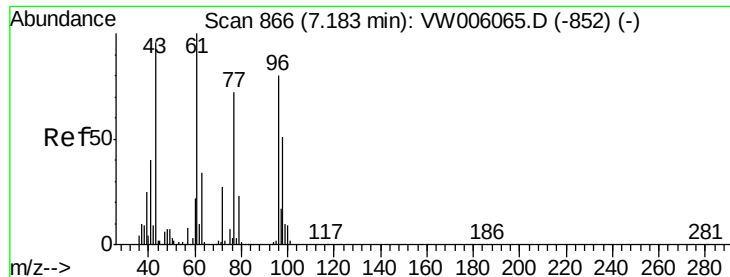
20000

10000

0

Time-->





#25

2-Butanone

Concen: 113.744 ug/l

RT: 7.18 min Scan# 865

Delta R.T. -0.01 min

Lab File: VW006270.D

Acq: 23 Oct 2018 01:29

Instrument :

MSVOA_W

ClientSampleId :

VW1022SBS02

Tot Ion: 43 Resp: 61765

Ion Ratio Lower Upper

43 100

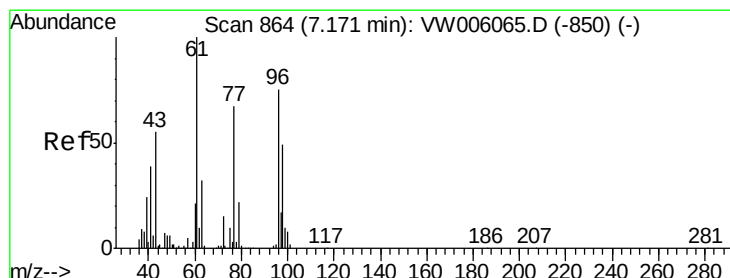
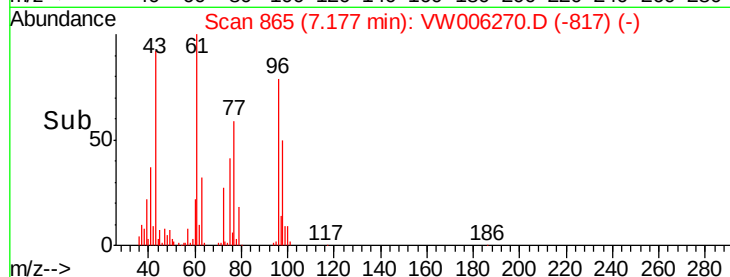
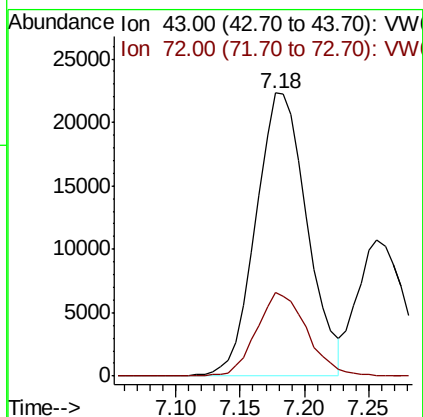
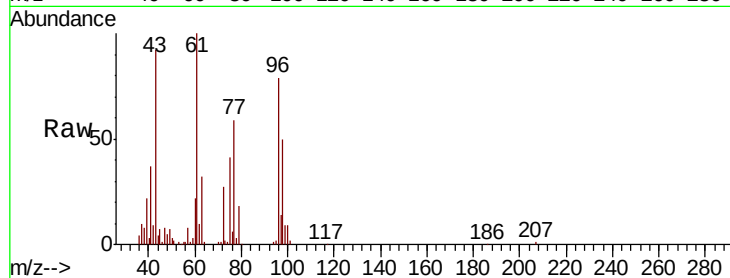
72 29.8 22.8 34.2

Manual Integrations

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sam

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#26

2,2-Dichloropropane

Concen: 19.435 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW006270.D

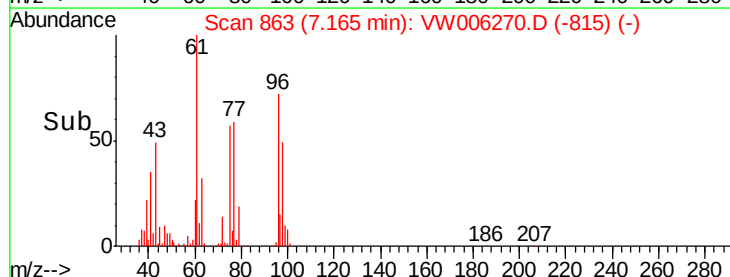
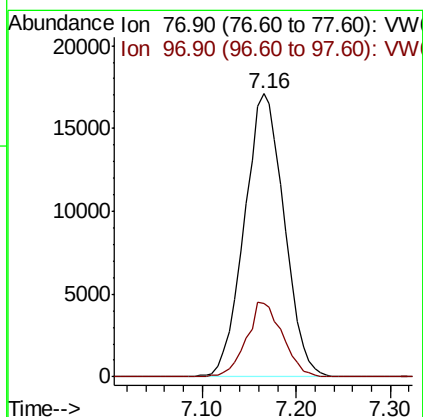
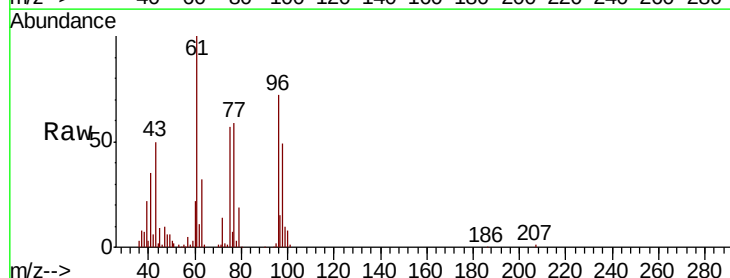
Acq: 23 Oct 2018 01:29

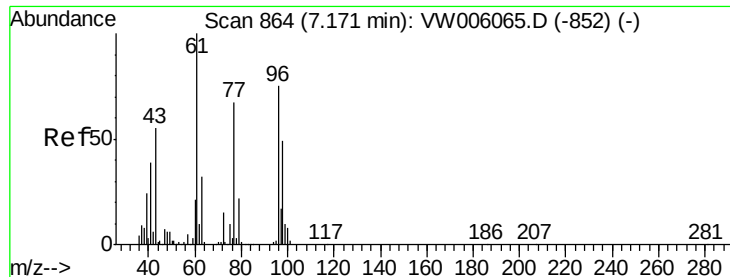
Tgt Ion: 77 Resp: 50628

Ion Ratio Lower Upper

77 100

97 23.8 12.2 36.4





#27

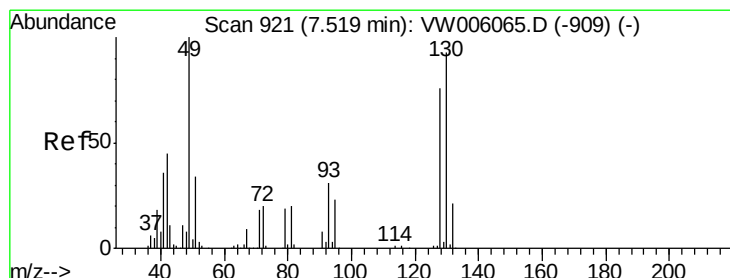
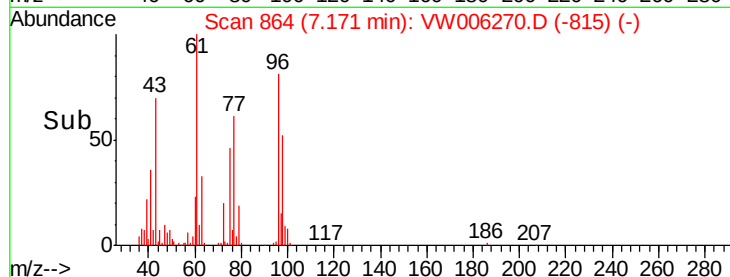
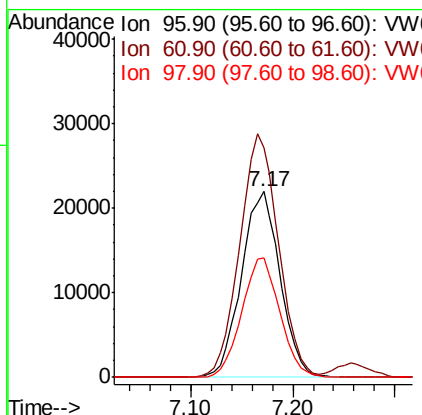
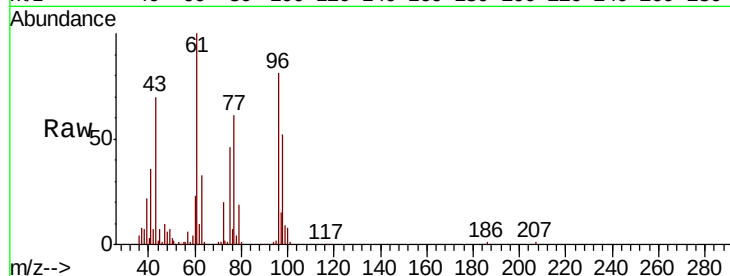
cis-1,2-Dichloroethene
Concen: 23.165 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW006270.D
Acq: 23 Oct 2018 01:29

Instrument :
MSVOA_W
ClientSampleId :
VW1022SBSD02

Tot Ion	Ratio	Lower	Upper
96	100		
61	131.6	0.0	267.2
98	63.3	0.0	128.6

Manual Integrations
APPROVED

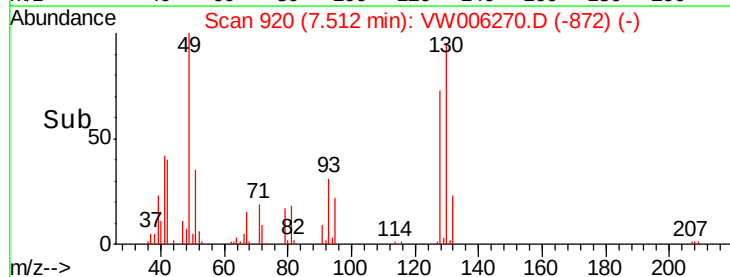
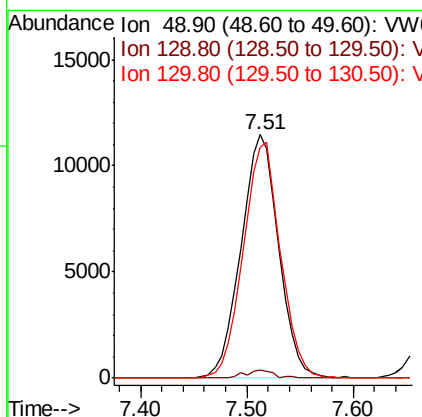
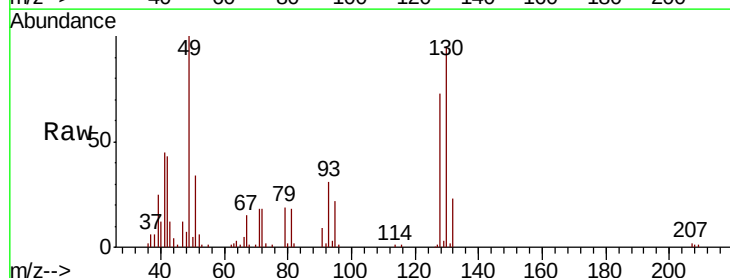
sam
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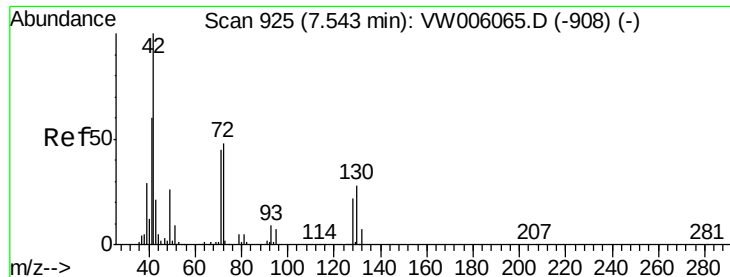


#28

Bromochloromethane
Concen: 19.939 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.01 min
Lab File: VW006270.D
Acq: 23 Oct 2018 01:29

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	5.0
130	95.6	73.8	110.8





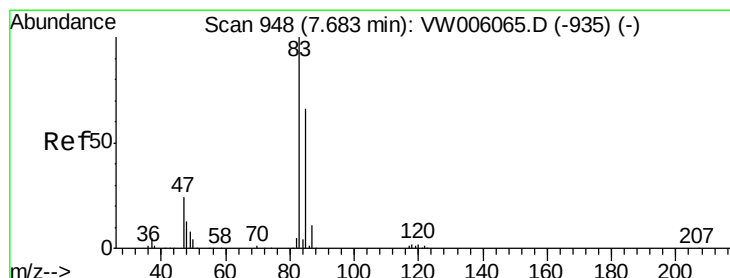
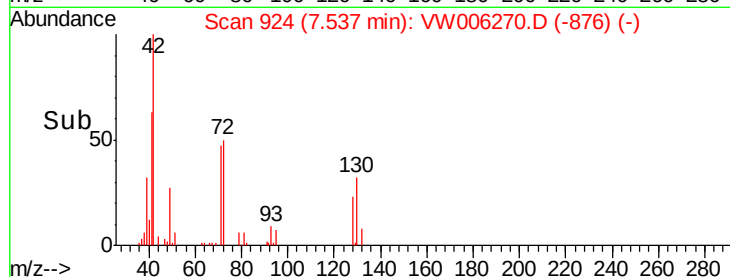
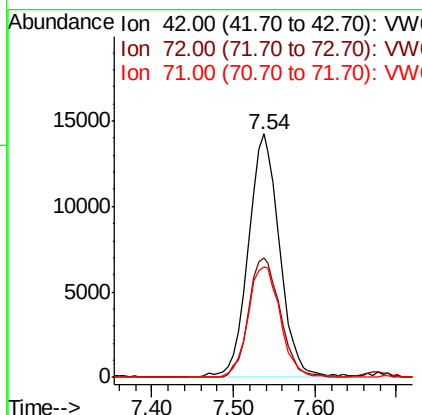
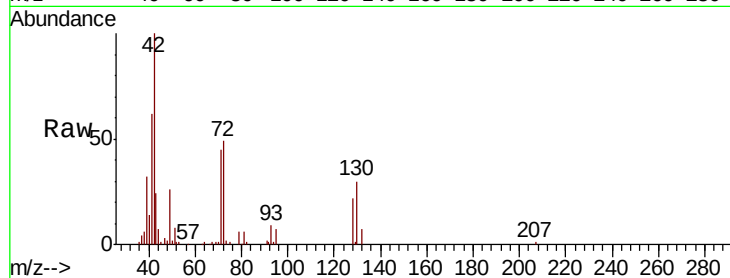
#29
Tetrahydrofuran
Concen: 114.015 ug/l
RT: 7.54 min Scan# 924
Delta R.T. -0.01 min
Lab File: VW006270.D
Acq: 23 Oct 2018 01:29

Instrument :
MSVOA_W
ClientSampleId :
VW1022SBSD02

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.8	38.0	57.0
71	46.9	35.3	52.9

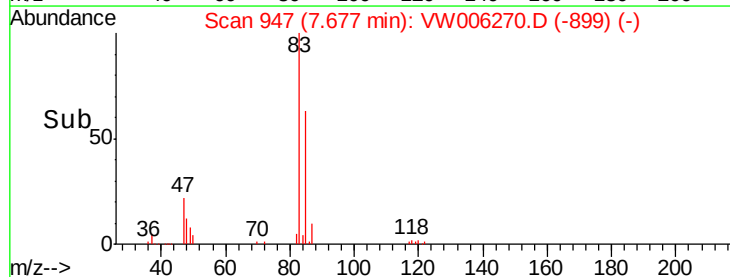
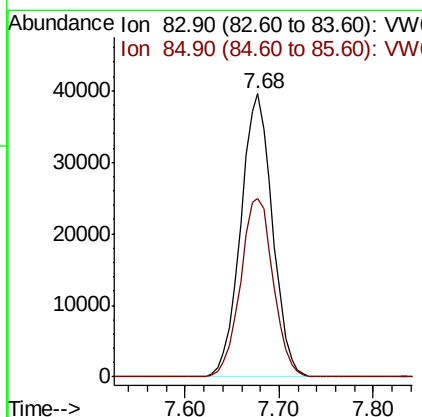
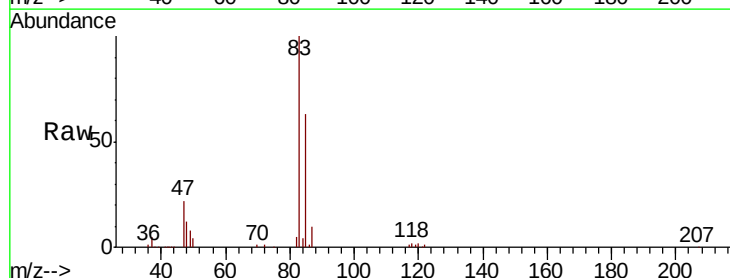
Manual Integrations
APPROVED

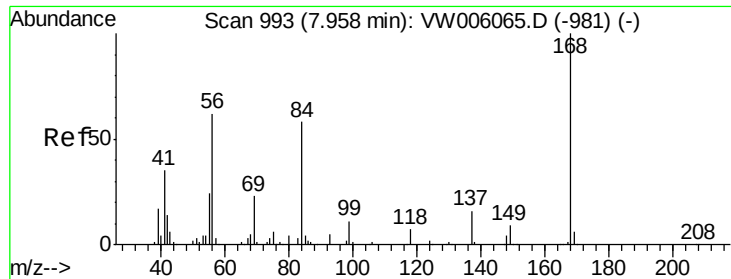
sam
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#30
Chloroform
Concen: 23.176 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.01 min
Lab File: VW006270.D
Acq: 23 Oct 2018 01:29

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.0	52.6	79.0





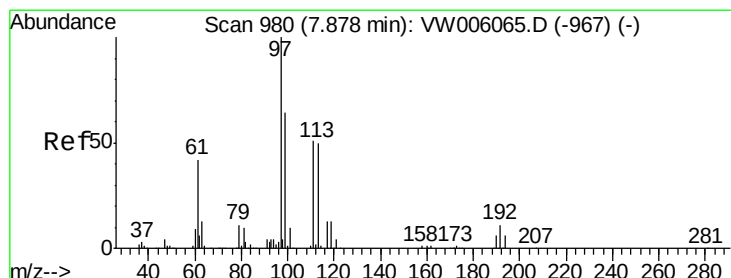
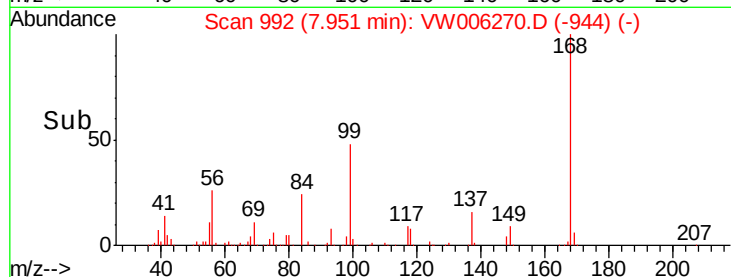
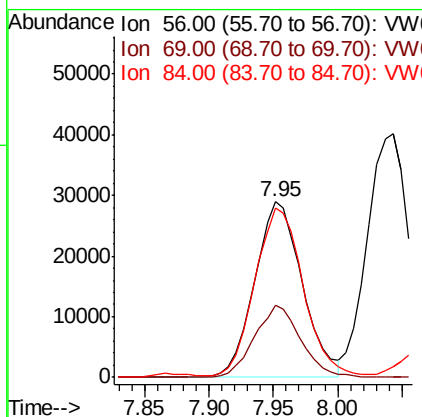
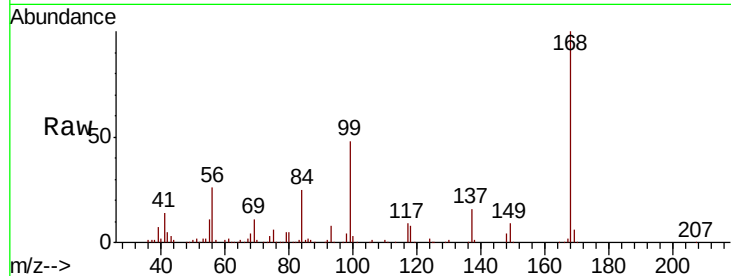
#31
Cyclohexane
Concen: 20.142 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW006270.D
Acq: 23 Oct 2018 01:29

Instrument :
MSVOA_W
ClientSampleId :
VW1022SBS02

Tot Ion	56	Resp	74084
Ion	Ratio	Lower	Upper
56	100		
69	41.4	29.4	44.0
84	95.0	74.0	111.0

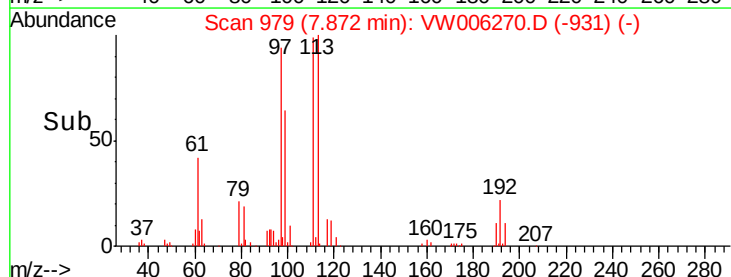
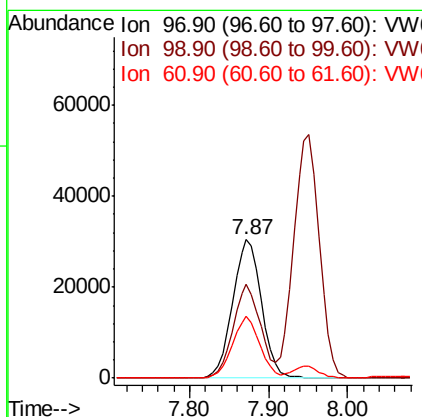
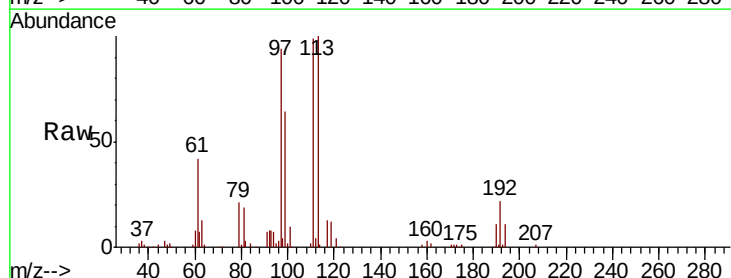
Manual Integrations
APPROVED

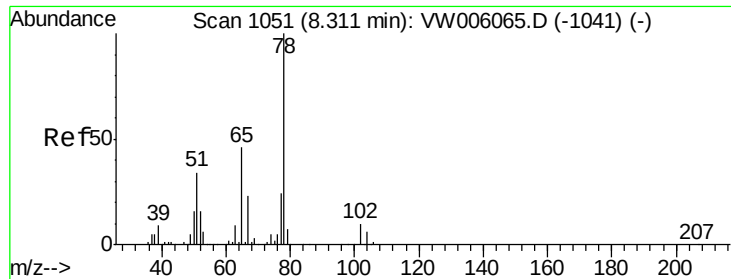
sam
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#32
1,1,1-Trichloroethane
Concen: 21.230 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.01 min
Lab File: VW006270.D
Acq: 23 Oct 2018 01:29

Tgt Ion	97	Resp	77065
Ion	Ratio	Lower	Upper
97	100		
99	64.3	50.9	76.3
61	42.1	33.7	50.5





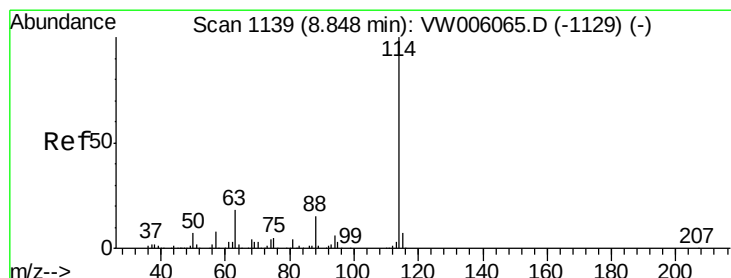
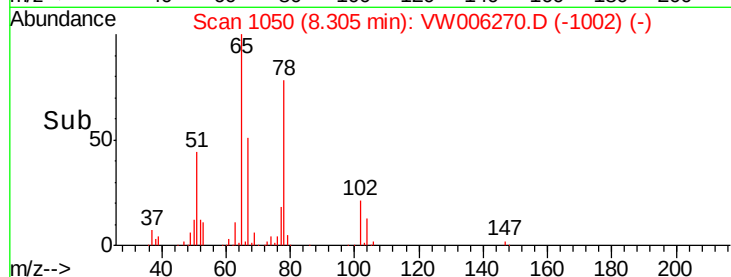
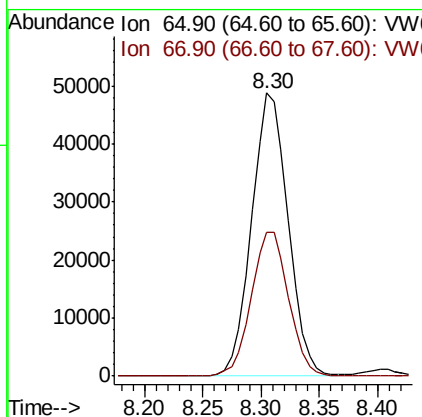
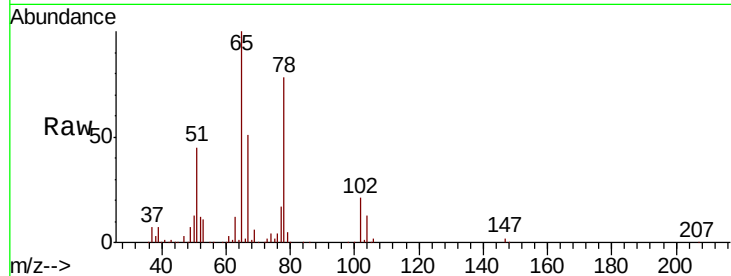
#33
 1,2-Dichloroethane-d4
 Concen: 52.618 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.01 min
 Lab File: VW006270.D
 Acq: 23 Oct 2018 01:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1022SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	105767		
67	52.0	0.0	101.0	

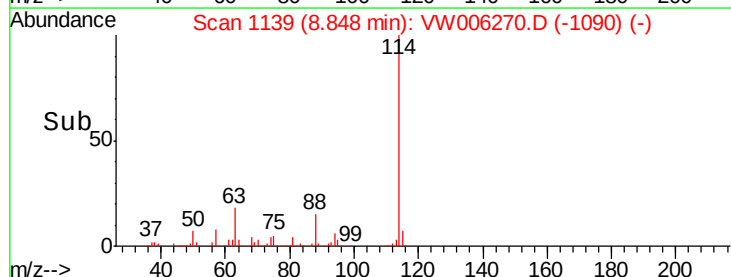
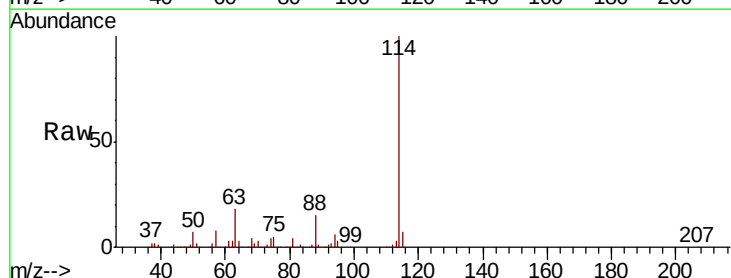
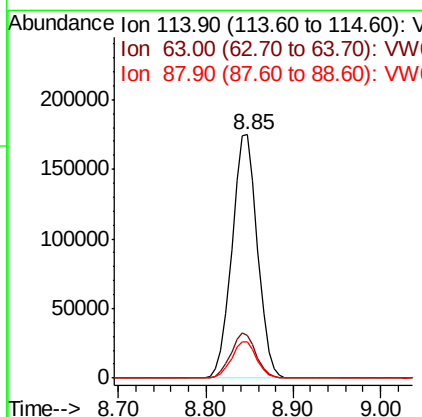
Manual Integrations
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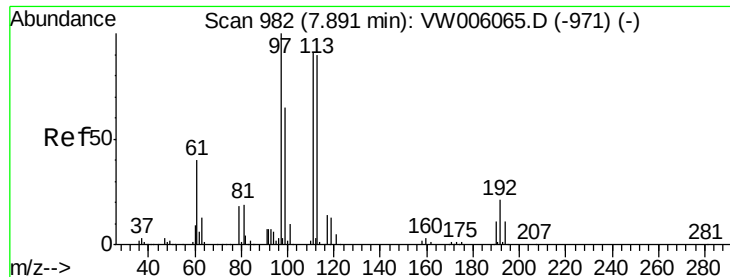
sam
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW006270.D
 Acq: 23 Oct 2018 01:29

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	352962		
63	17.7	0.0	36.8	
88	15.1	0.0	29.0	





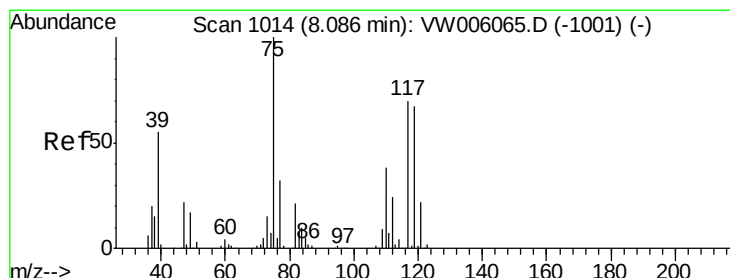
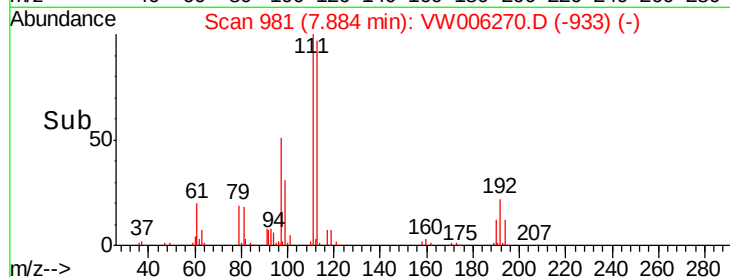
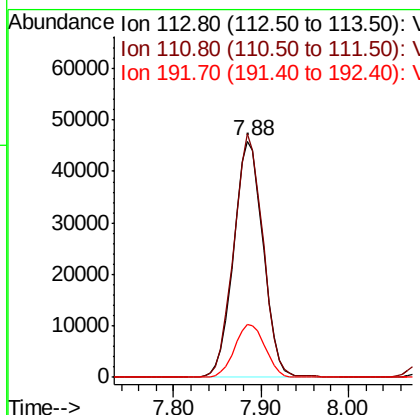
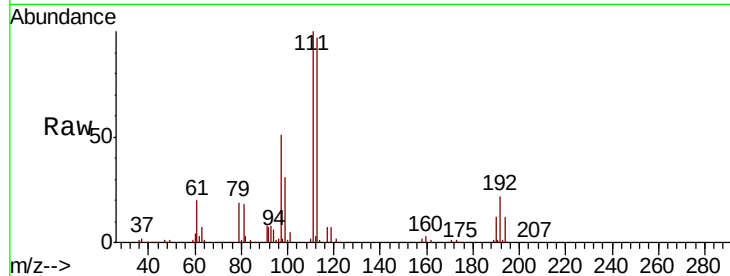
#35
 Dibromofluoromethane
 Concen: 51.598 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.01 min
 Lab File: VW006270.D
 Acq: 23 Oct 2018 01:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1022SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	101.5	81.4	122.0	
192	23.3	18.7	28.1	

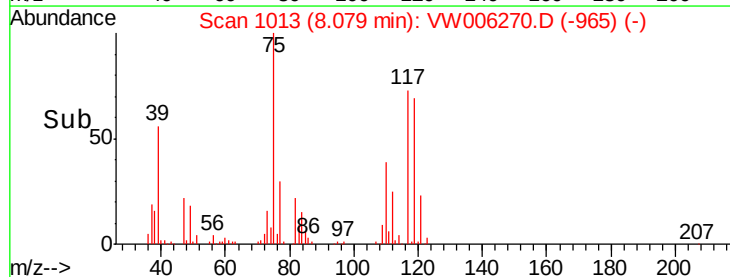
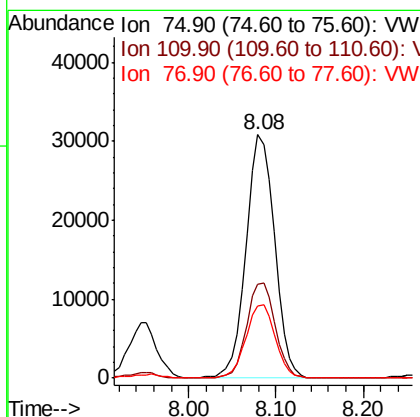
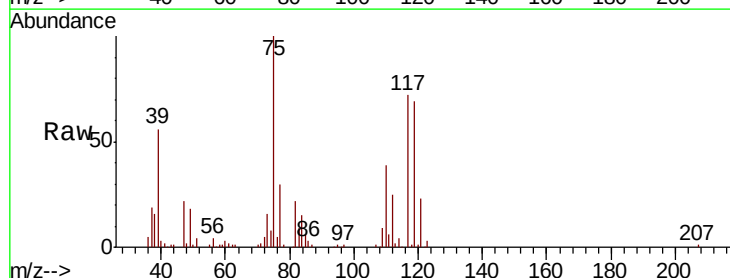
Manual Integrations
 APPROVED

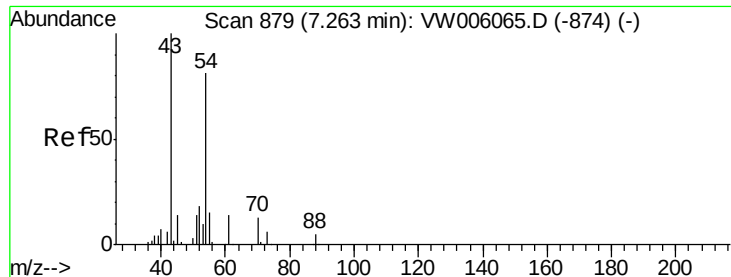
sam
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#36
 1,1-Dichloropropene
 Concen: 21.587 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.01 min
 Lab File: VW006270.D
 Acq: 23 Oct 2018 01:29

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	38.7	19.1	57.1	
77	30.9	25.0	37.4	





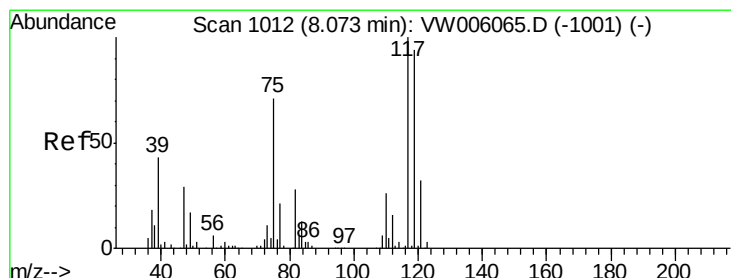
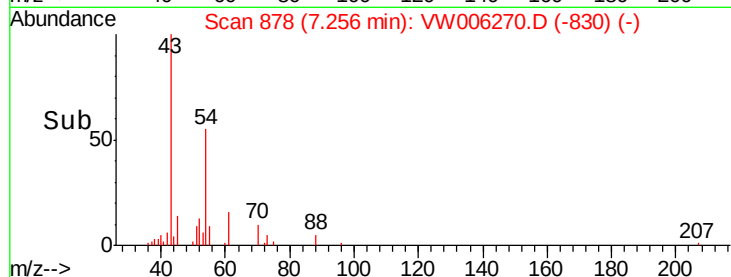
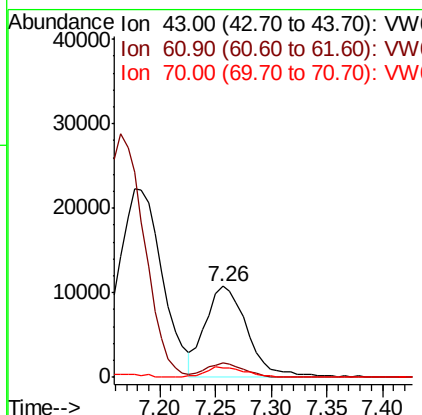
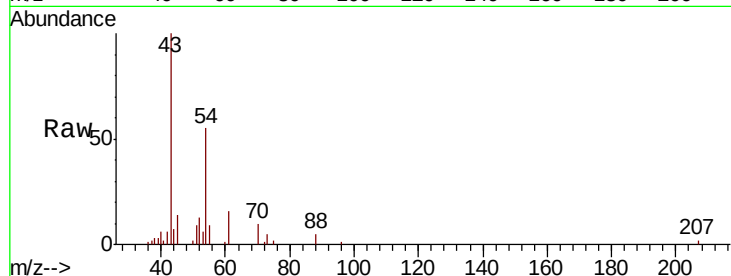
#37
Ethyl Acetate
Concen: 22.816 ug/l
RT: 7.26 min Scan# 878
Delta R.T. -0.01 min
Lab File: VW006270.D
Acq: 23 Oct 2018 01:29

Instrument :
MSVOA_W
ClientSampleId :
VW1022SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.6	11.5	17.3
70	10.9	9.2	13.8

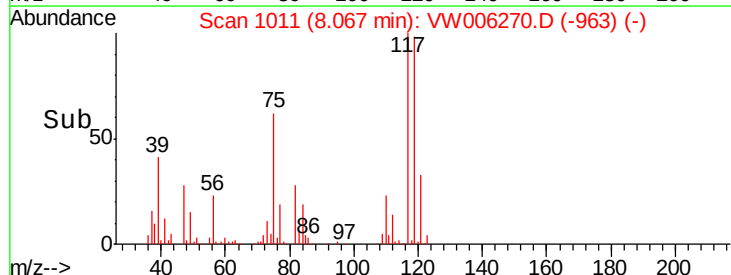
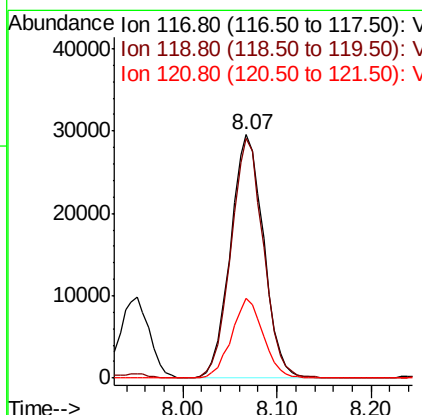
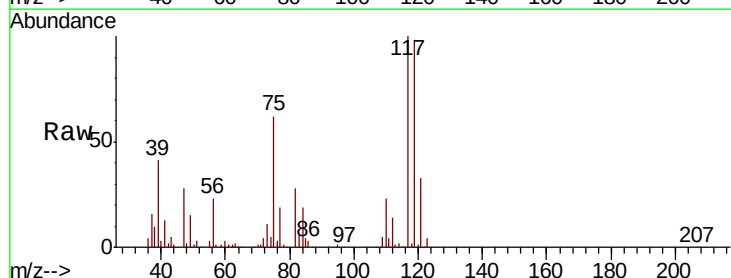
Manual Integrations
APPROVED

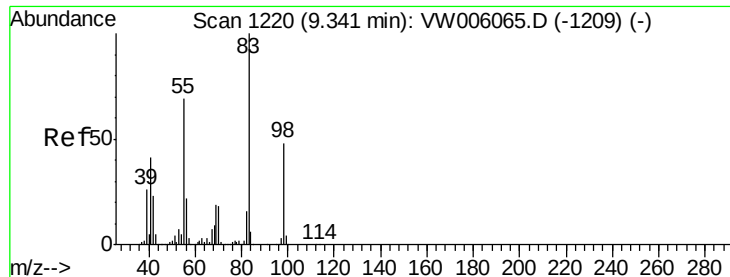
sam
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#38
Carbon Tetrachloride
Concen: 20.287 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VW006270.D
Acq: 23 Oct 2018 01:29

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.4	75.2	112.8
121	32.8	25.3	37.9





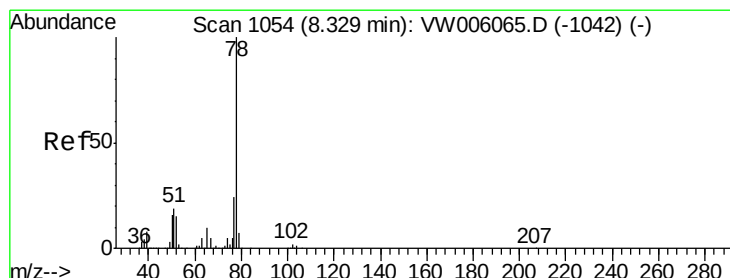
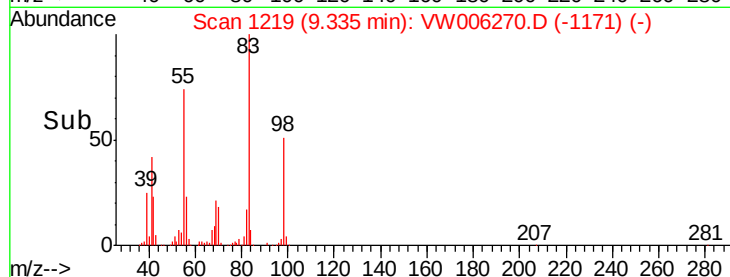
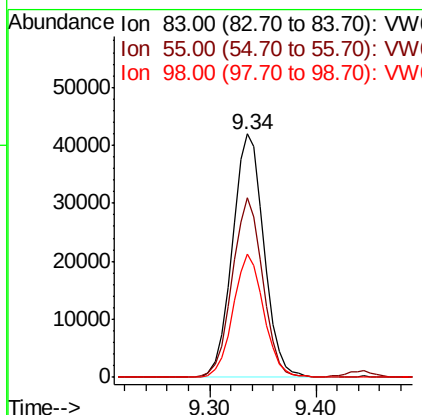
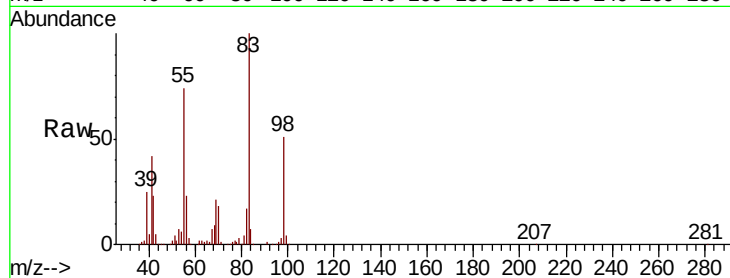
#39
Methylvlcyclohexane
Concen: 20.160 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW006270.D
Acq: 23 Oct 2018 01:29

Instrument :
MSVOA_W
ClientSampleId :
VW1022SBSD02

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.6	55.0	82.6
98	50.6	38.6	57.8

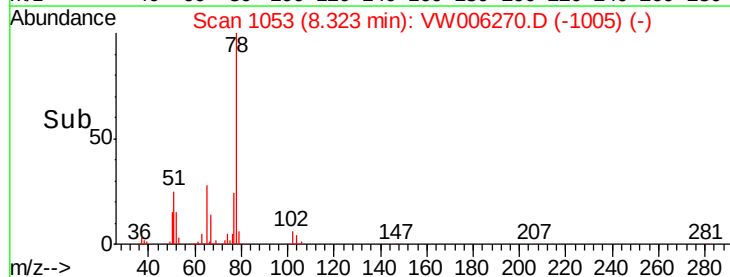
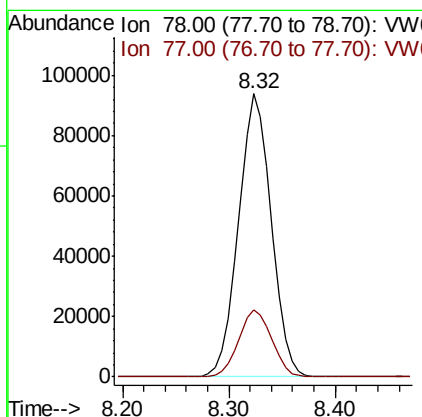
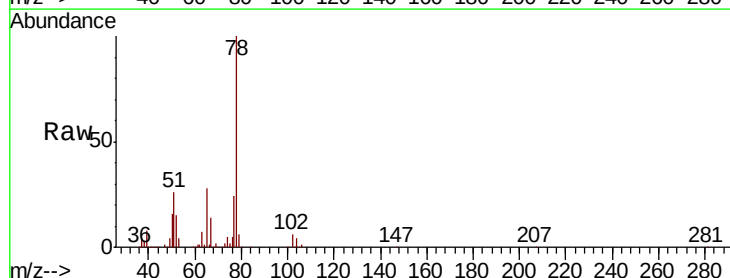
Manual Integrations
APPROVED

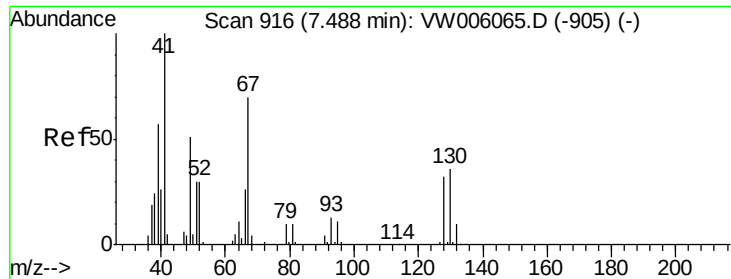
sam
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#40
Benzene
Concen: 22.722 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VW006270.D
Acq: 23 Oct 2018 01:29

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.4	29.0





#41

Methacrylonitrile

Concen: 21.427 ug/l

RT: 7.49 min Scan# 917

Delta R.T. 0.01 min

Lab File: VW006270.D

Acq: 23 Oct 2018 01:29

Instrument :

MSVOA_W

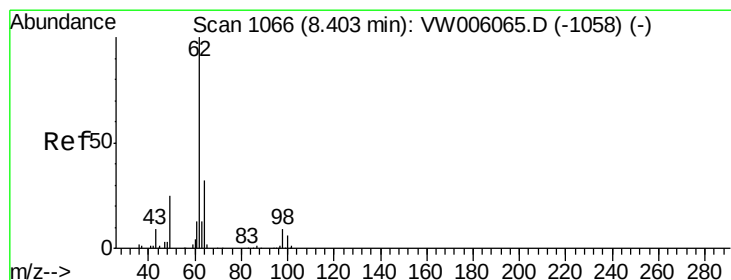
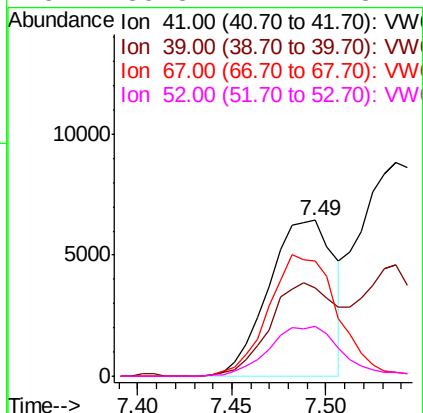
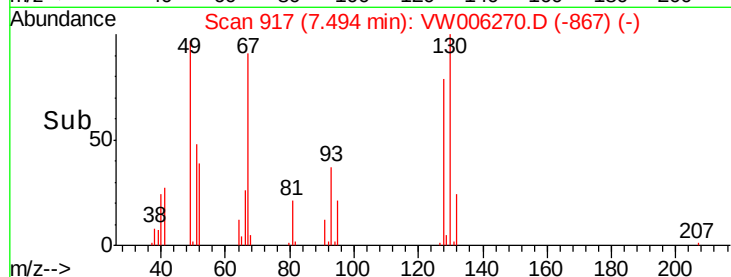
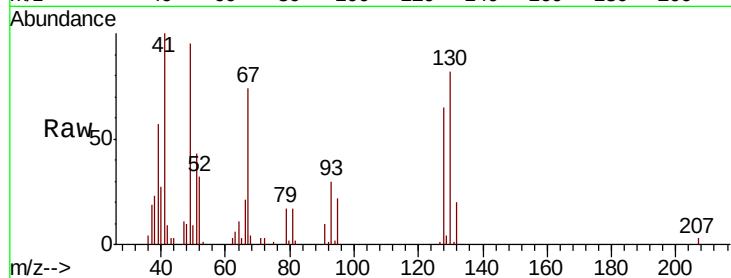
ClientSampleId :

VW1022SBSD02

Tot Ion	Ratio	Lower	Upper
41	100		
39	58.1	46.2	69.4
67	81.5	57.7	86.5
52	35.3	24.7	37.1

Manual Integrations
APPROVED

sam
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#42

1,2-Dichloroethane

Concen: 23.123 ug/l

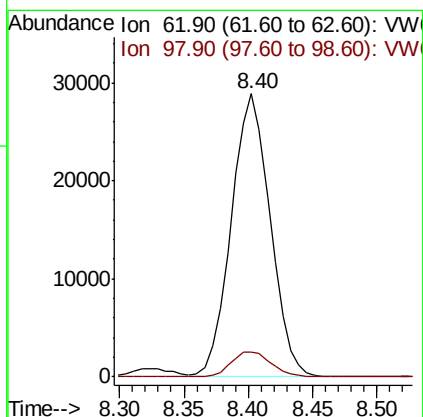
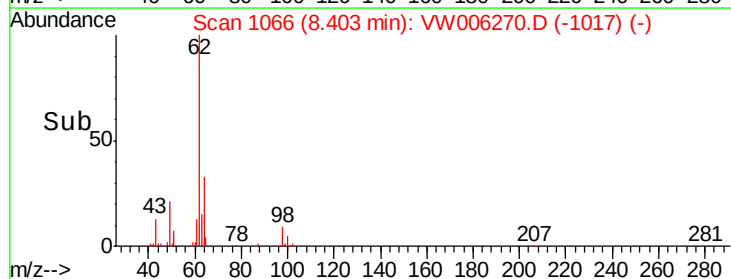
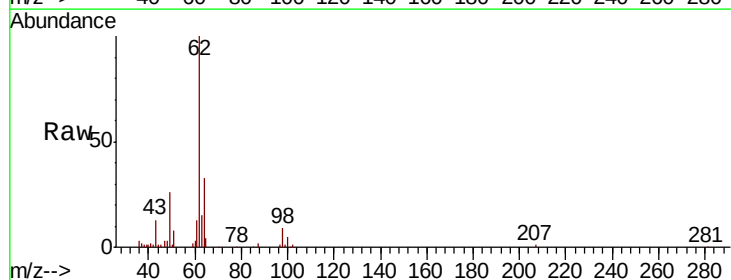
RT: 8.40 min Scan# 1066

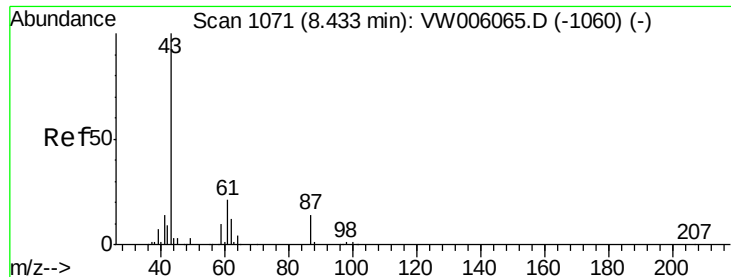
Delta R.T. -0.00 min

Lab File: VW006270.D

Acq: 23 Oct 2018 01:29

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	18.4





#43

Isopropyl Acetate

Concen: 22.122 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.01 min

Lab File: VW006270.D

Acq: 23 Oct 2018 01:29

Instrument :

MSVOA_W

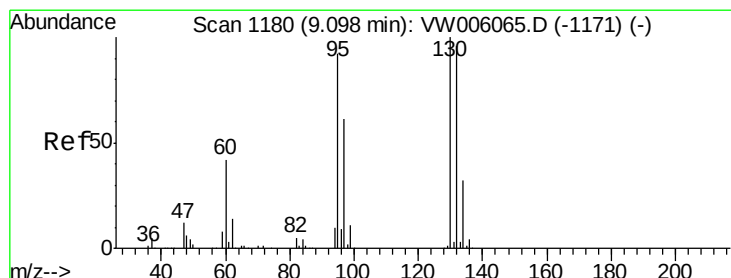
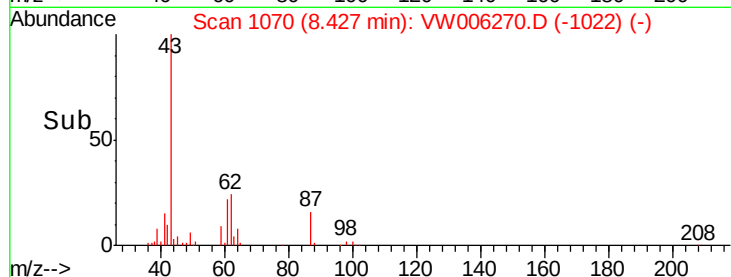
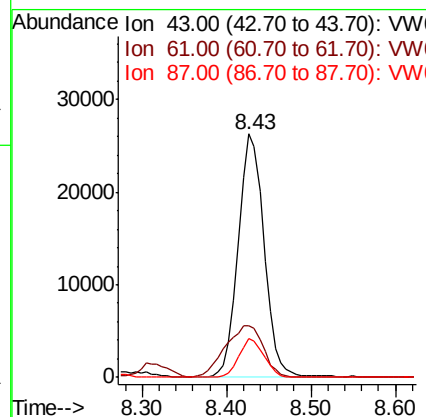
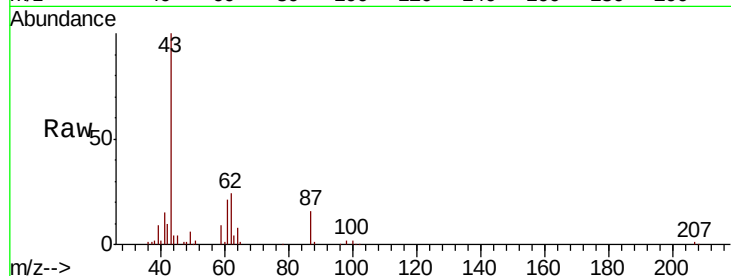
ClientSampleId :

VW1022SBS02

Tot Ion:	43	Resp:	54673
Ion	Ratio	Lower	Upper
43	100		
61	31.5	25.5	38.3
87	15.1	11.7	17.5

Manual Integrations
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#44

Trichloroethene

Concen: 22.187 ug/l

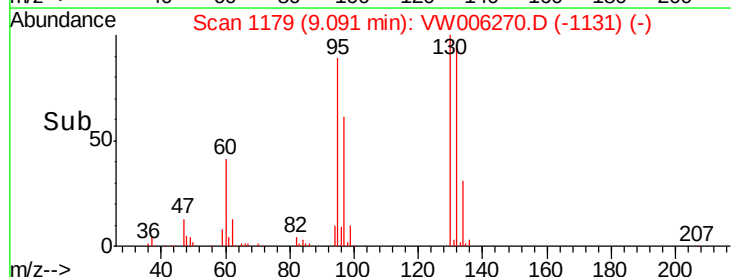
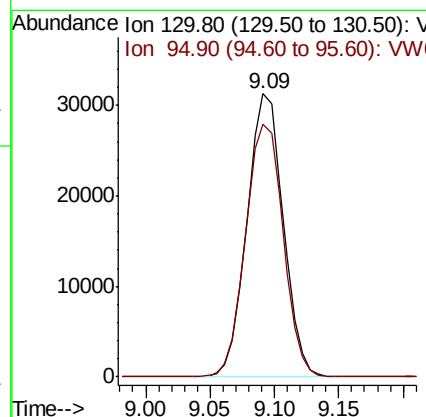
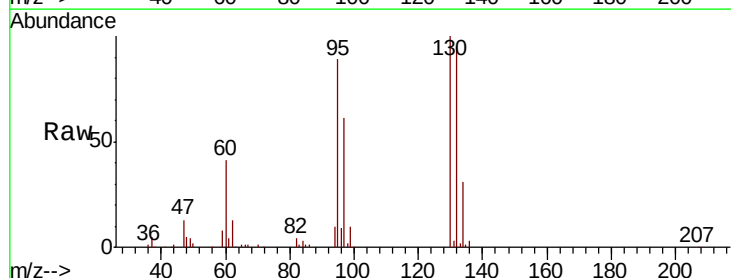
RT: 9.09 min Scan# 1179

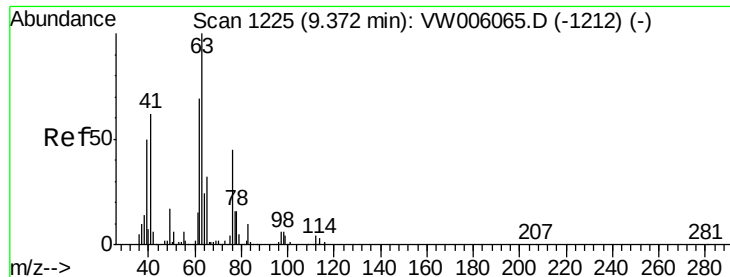
Delta R.T. -0.01 min

Lab File: VW006270.D

Acq: 23 Oct 2018 01:29

Tgt Ion:	130	Resp:	60747
Ion	Ratio	Lower	Upper
130	100		
95	89.4	0.0	183.2





#45

1,2-Dichloropropane

Concen: 22.584 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. -0.00 min

Lab File: VW006270.D

Acq: 23 Oct 2018 01:29

Instrument :

MSVOA_W

ClientSampleId :

VW1022SBS02

Tot Ion: 63 Resp: 48228

Ion Ratio Lower Upper

63 100

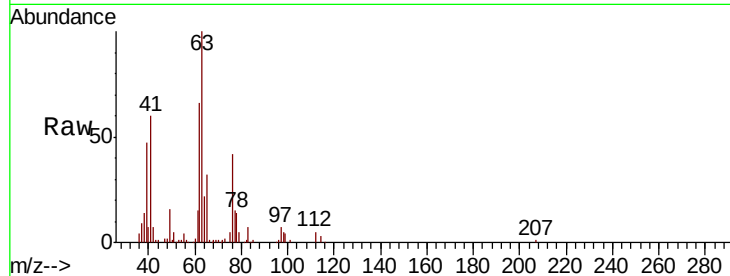
65 31.7 25.4 38.0

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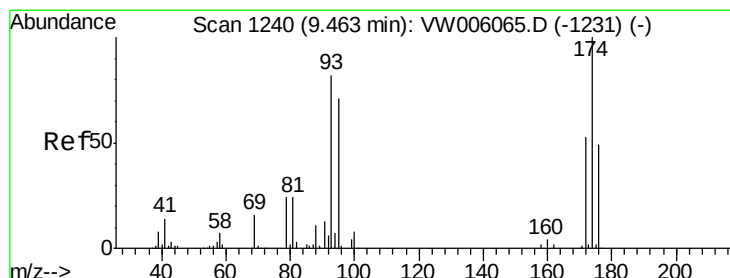
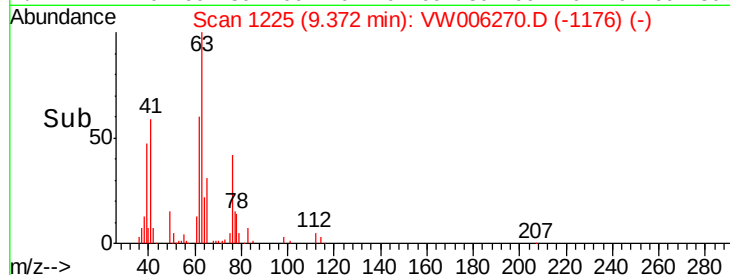
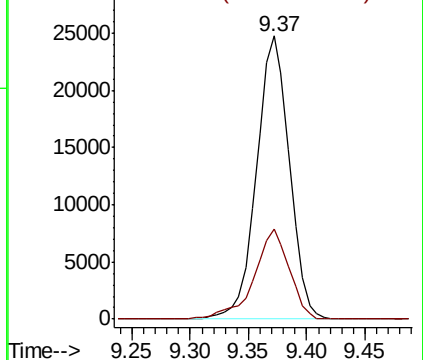
sam

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Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 23.437 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.01 min

Lab File: VW006270.D

Acq: 23 Oct 2018 01:29

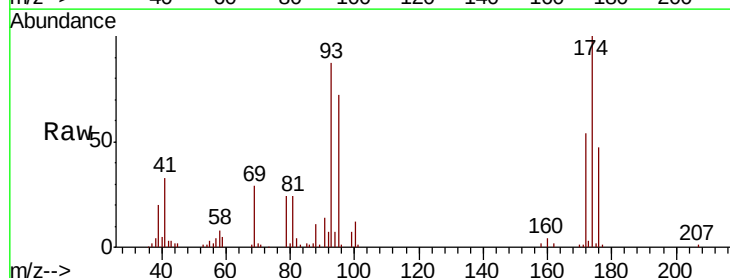
Tgt Ion: 93 Resp: 28526

Ion Ratio Lower Upper

93 100

95 82.0 67.7 101.5

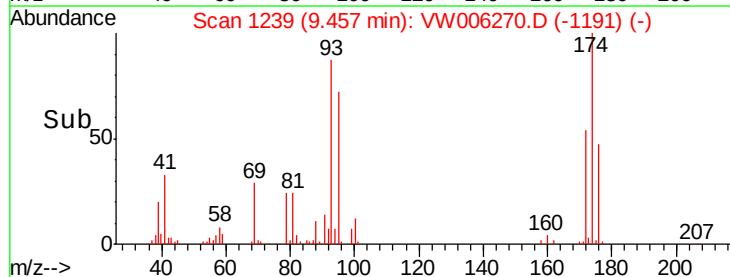
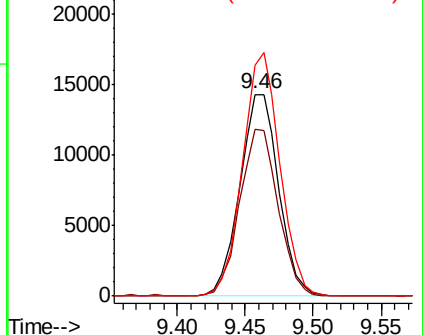
174 116.1 93.7 140.5

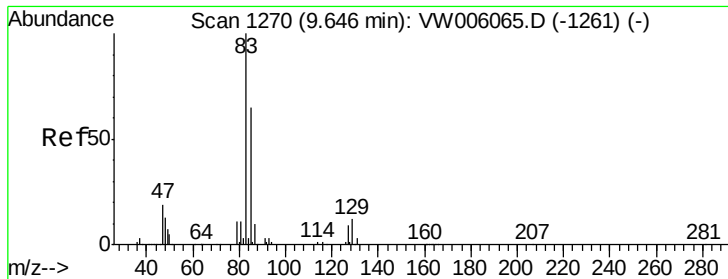


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 21.508 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW006270.D

Acq: 23 Oct 2018 01:29

Instrument :

MSVOA_W

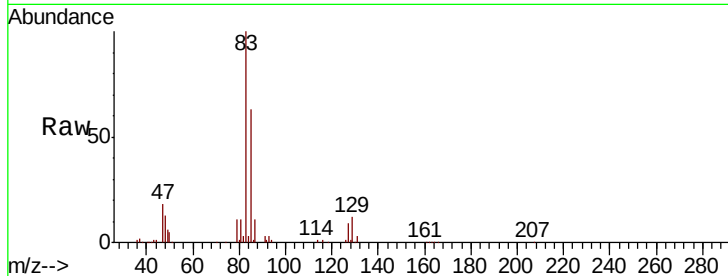
ClientSampleId :

VW1022SBSD02

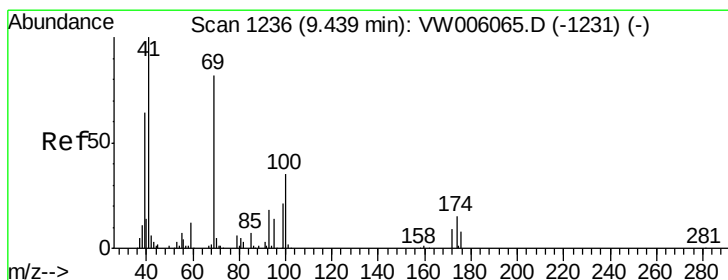
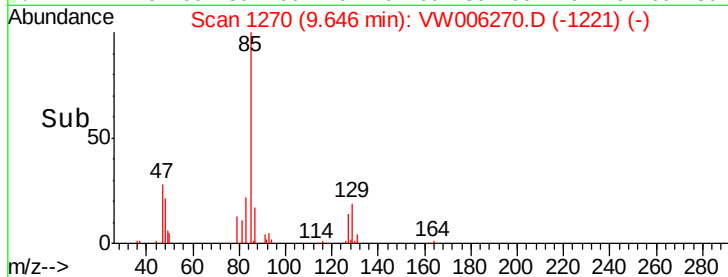
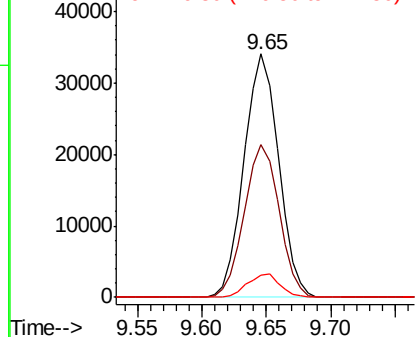
Tot Ion:	83	Resp:	63466
Ion	Ratio	Lower	Upper
83	100		
85	62.6	51.8	77.8
127	9.0	6.9	10.3

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Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW
Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 21.846 ug/l

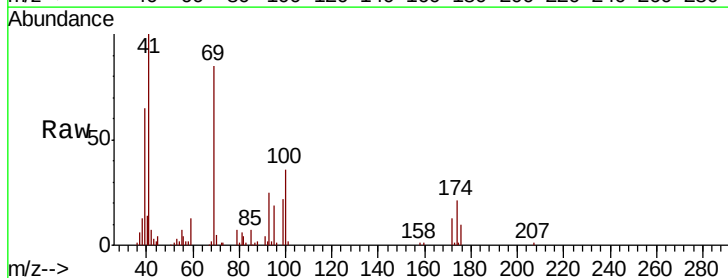
RT: 9.44 min Scan# 1236

Delta R.T. -0.00 min

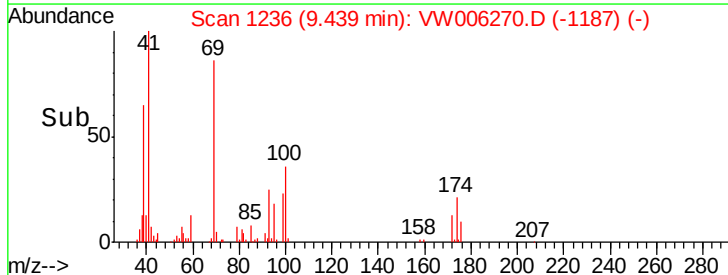
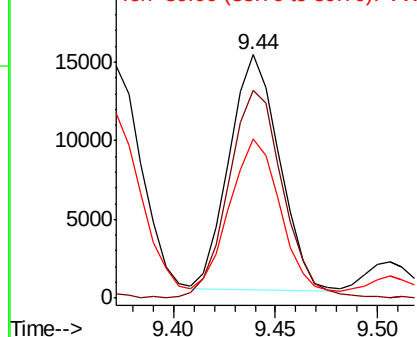
Lab File: VW006270.D

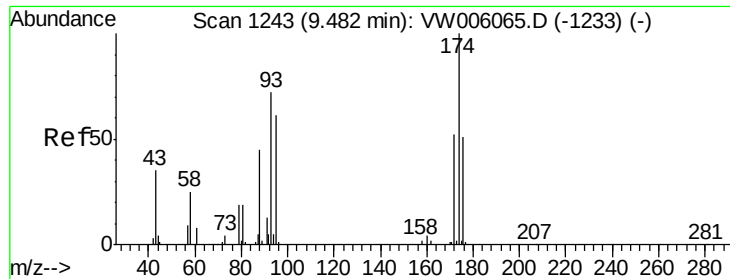
Acq: 23 Oct 2018 01:29

Tgt Ion:	41	Resp:	25592
Ion	Ratio	Lower	Upper
41	100		
69	95.4	71.8	107.8
39	71.2	52.5	78.7



Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 39.00 (38.70 to 39.70): VW





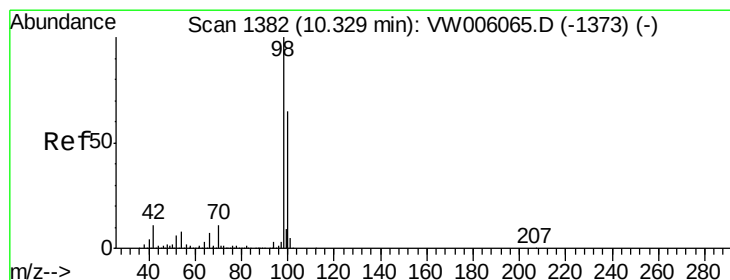
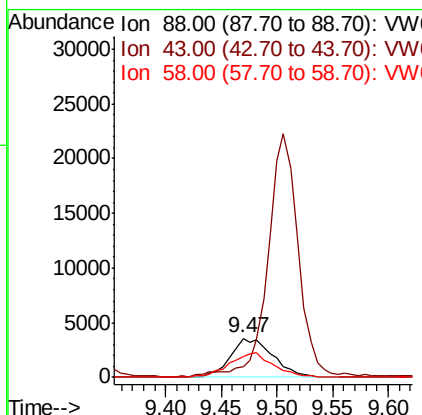
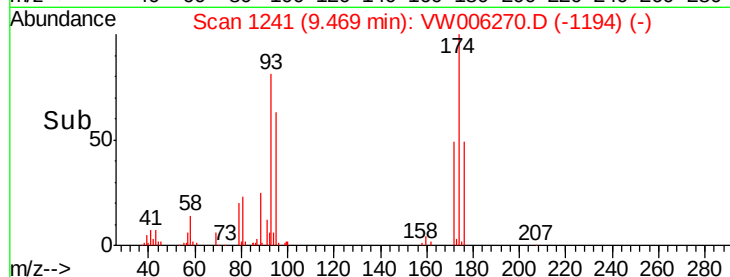
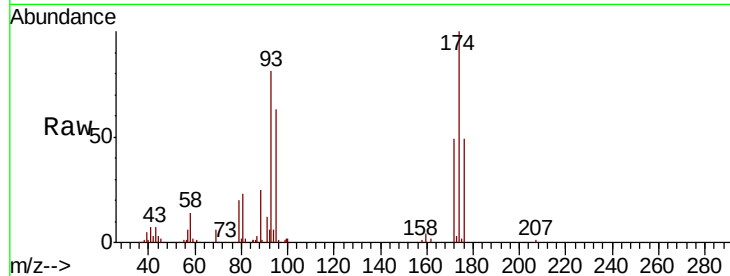
#49
1,4-Dioxane
Concen: 504.025 ug/l
RT: 9.47 min Scan# 1241
Delta R.T. -0.01 min
Lab File: VW006270.D
Acq: 23 Oct 2018 01:29

Instrument :
MSVOA_W
ClientSampleId :
VW1022SBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	65.4	51.2	76.8

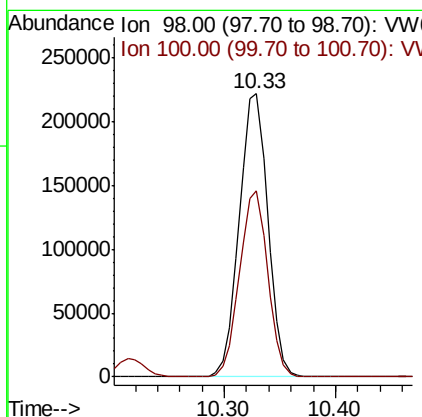
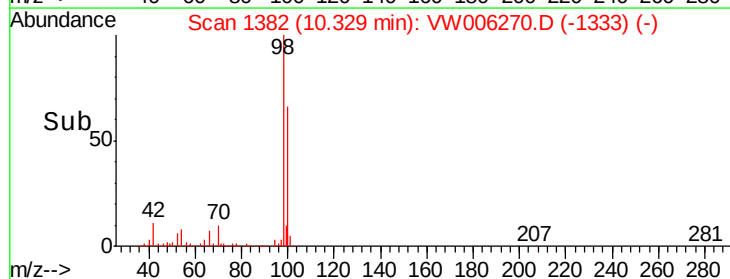
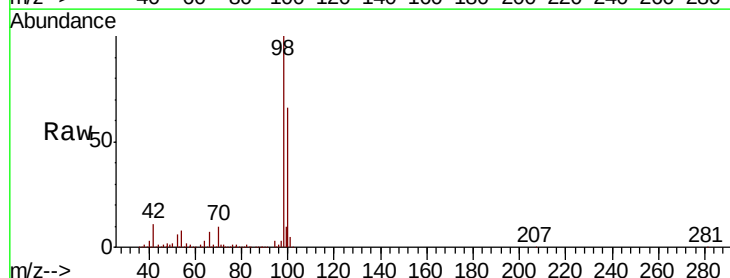
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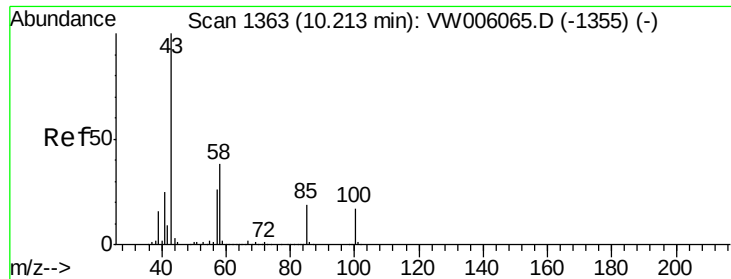
sam
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#50
Toluene-d8
Concen: 49.918 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VW006270.D
Acq: 23 Oct 2018 01:29

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.7	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 113.978 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW006270.D

Acq: 23 Oct 2018 01:29

Instrument :

MSVOA_W

ClientSampleId :

VW1022SBS02

Tot Ion: 43 Resp: 141137

Ion Ratio Lower Upper

43 100

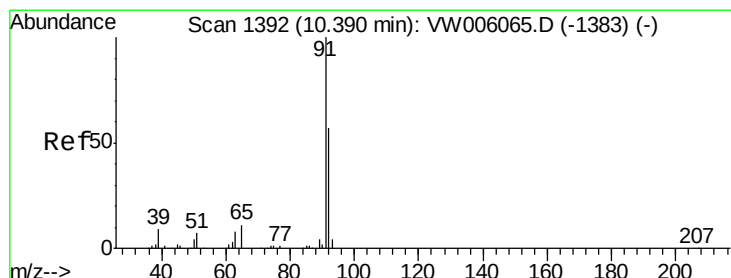
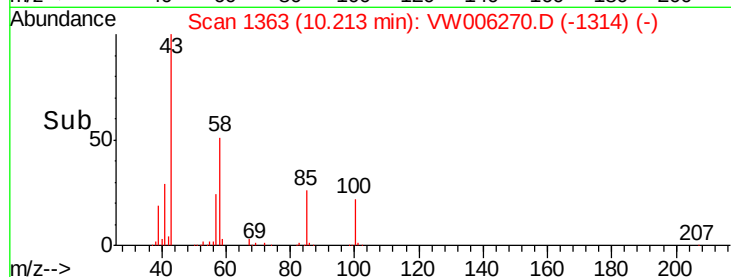
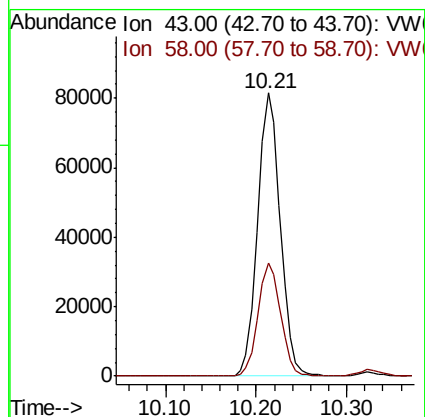
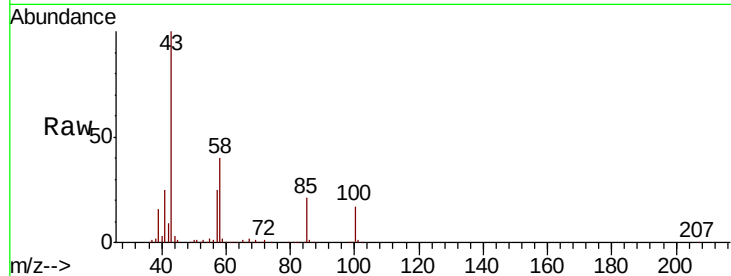
58 39.9 31.5 47.3

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#52

Toluene

Concen: 22.389 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW006270.D

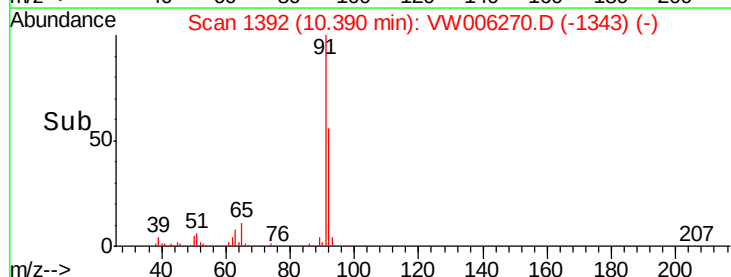
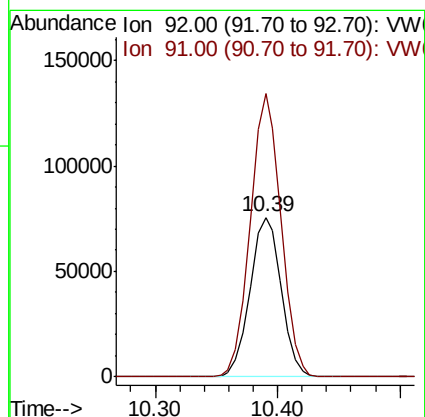
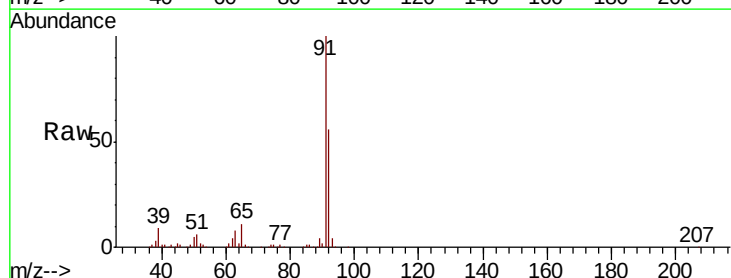
Acq: 23 Oct 2018 01:29

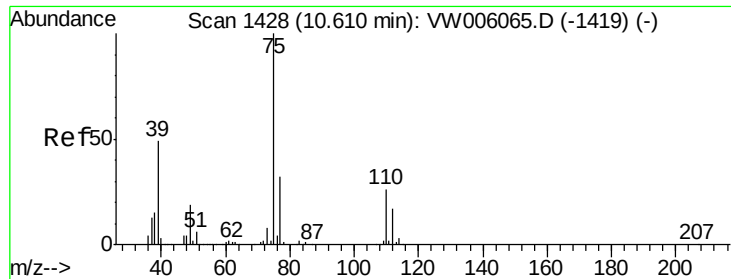
Tgt Ion: 92 Resp: 133952

Ion Ratio Lower Upper

92 100

91 174.7 140.0 210.0





#53

t-1,3-Dichloropropene

Concen: 20.722 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW006270.D

Acq: 23 Oct 2018 01:29

Instrument :

MSVOA_W

ClientSampleId :

VW1022SBSD02

Tot Ion: 75 Resp: 60922

Ion Ratio Lower Upper

75 100

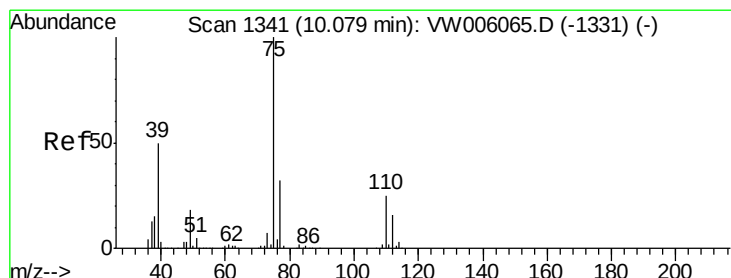
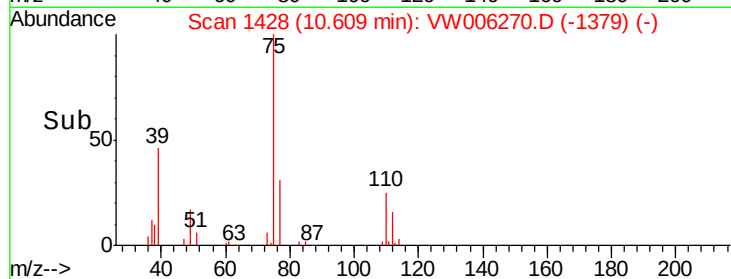
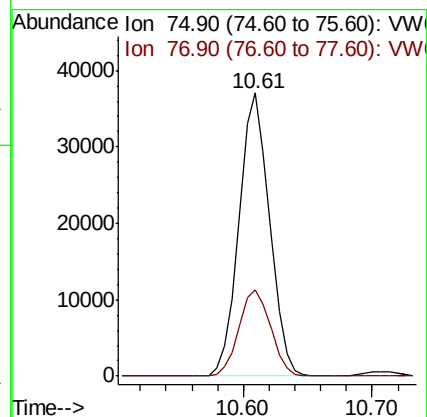
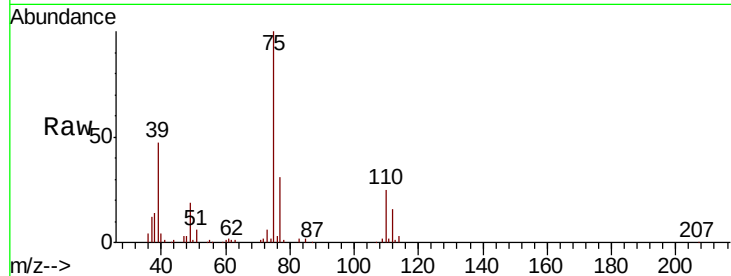
77 30.7 25.4 38.2

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 21.163 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.01 min

Lab File: VW006270.D

Acq: 23 Oct 2018 01:29

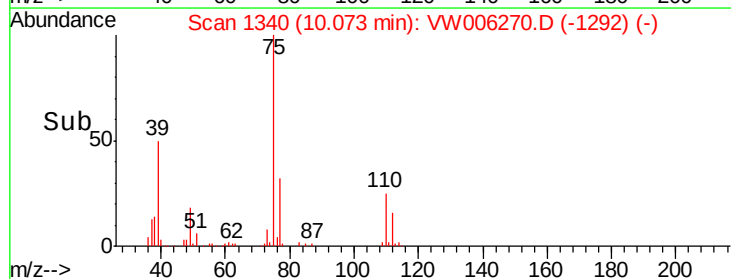
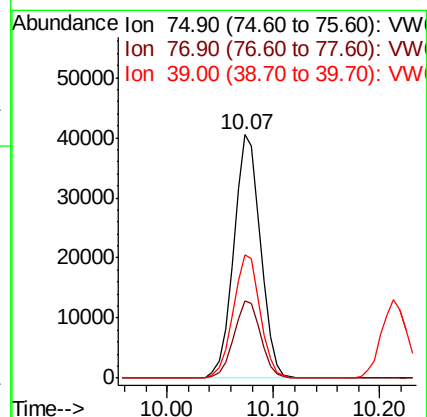
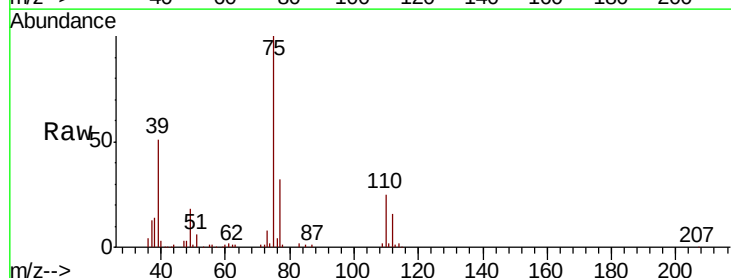
Tgt Ion: 75 Resp: 71407

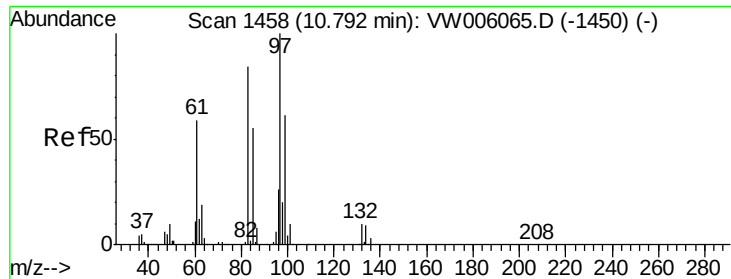
Ion Ratio Lower Upper

75 100

77 31.9 25.2 37.8

39 50.7 39.9 59.9





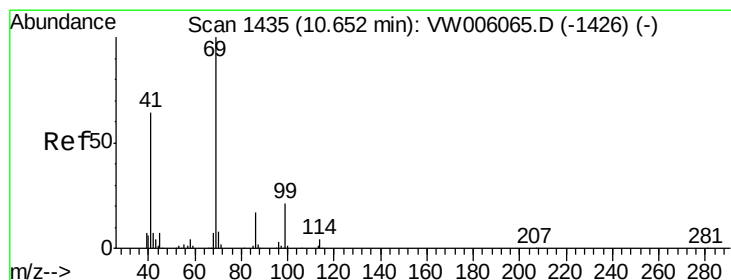
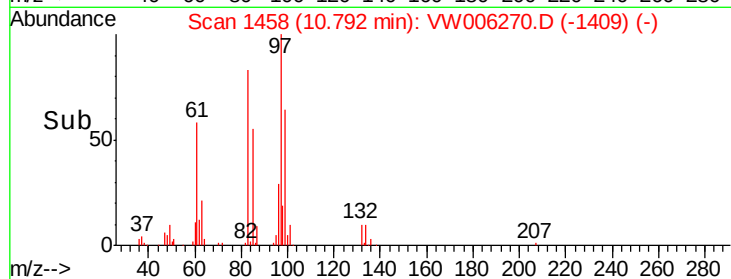
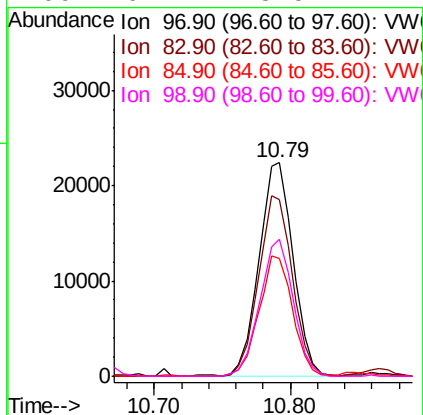
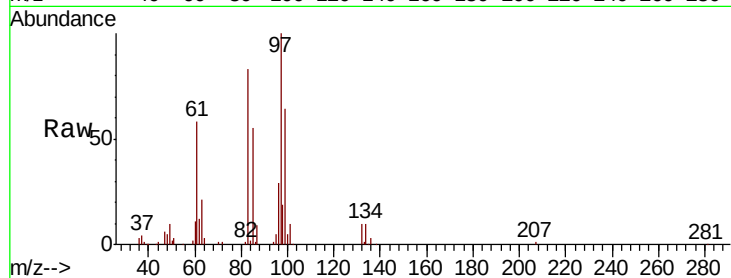
#55
 1,1,2-Trichloroethane
 Concen: 23.215 ug/l
 RT: 10.79 min Scan# 1458
 Delta R.T. -0.00 min
 Lab File: VW006270.D
 Acq: 23 Oct 2018 01:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1022SBS02

Tot Ion:	97	Resp:	39540
Ion	Ratio	Lower	Upper
97	100		
83	82.9	67.2	100.8
85	54.9	43.7	65.5
99	64.2	48.5	72.7

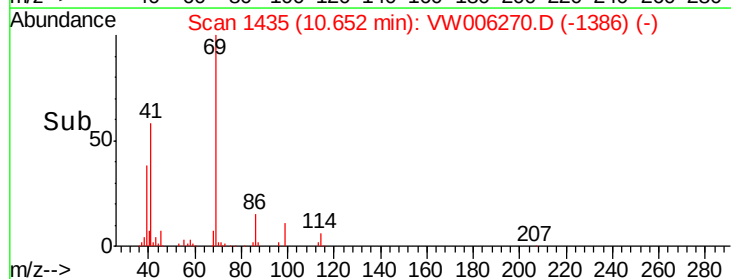
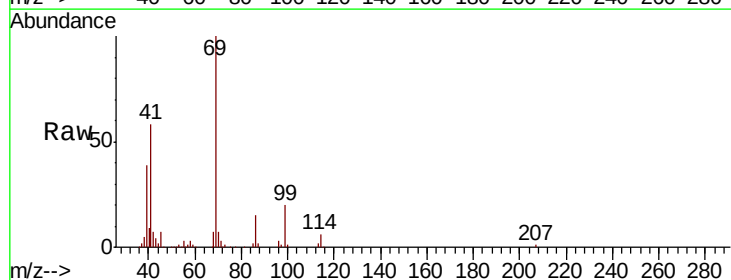
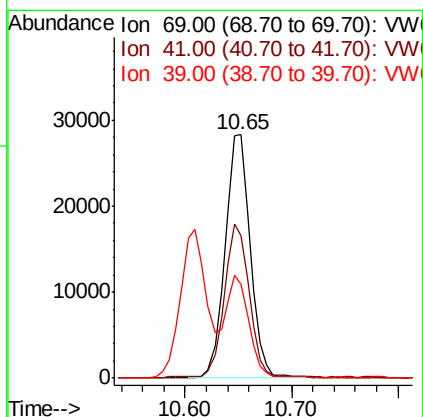
Manual Integrations
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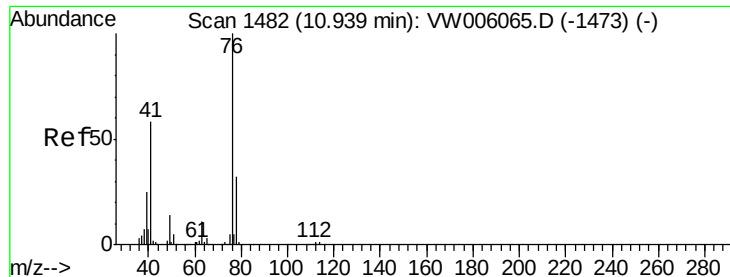
sam
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#56
 Ethyl methacrylate
 Concen: 22.531 ug/l
 RT: 10.65 min Scan# 1435
 Delta R.T. -0.00 min
 Lab File: VW006270.D
 Acq: 23 Oct 2018 01:29

Tgt Ion:	69	Resp:	47045
Ion	Ratio	Lower	Upper
69	100		
41	61.9	52.8	79.2
39	39.6	30.6	45.8





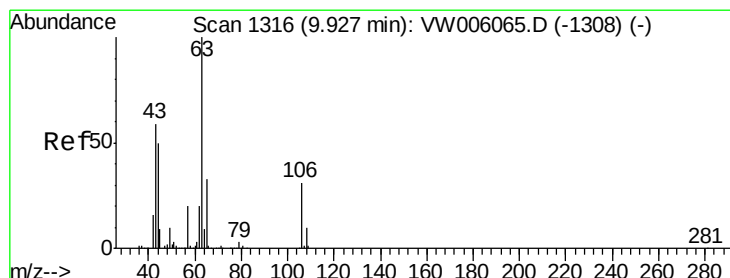
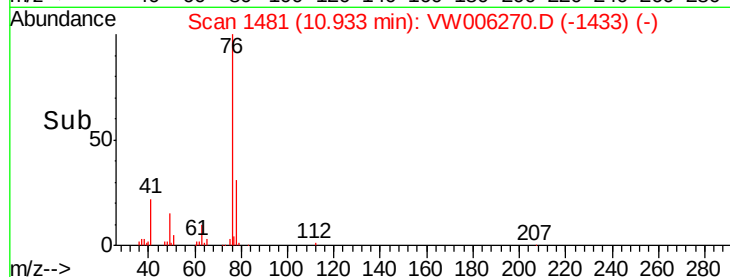
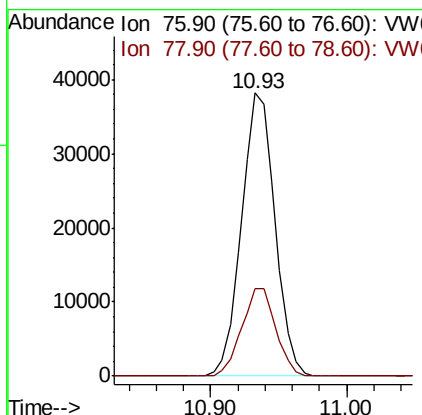
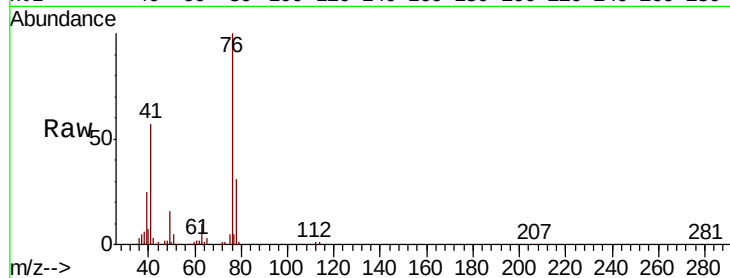
#57
 1,3-Dichloropropane
 Concen: 23.320 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.01 min
 Lab File: VW006270.D
 Acq: 23 Oct 2018 01:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1022SBSD02

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.7	25.9	38.9

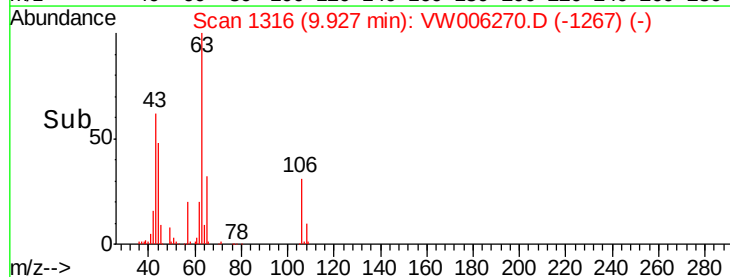
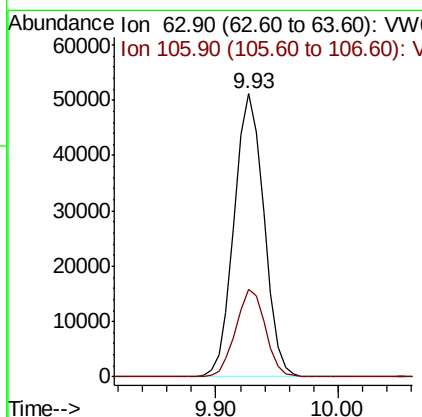
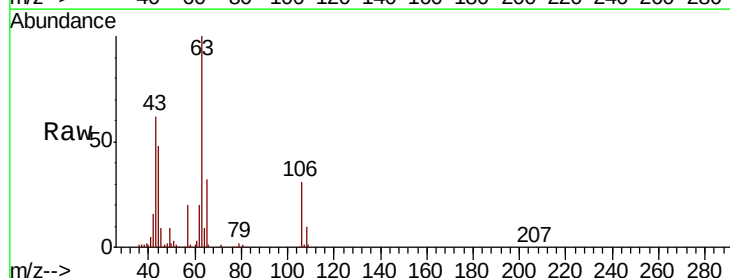
Manual Integrations
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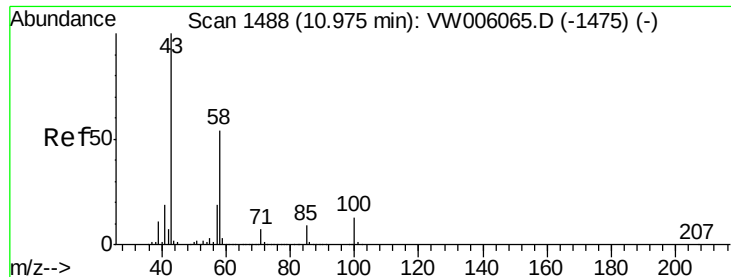
sam
 10/24/2018 5:33:29 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 108.204 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW006270.D
 Acq: 23 Oct 2018 01:29

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.7	24.5	36.7





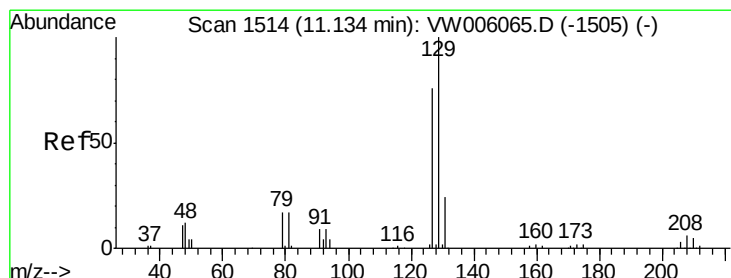
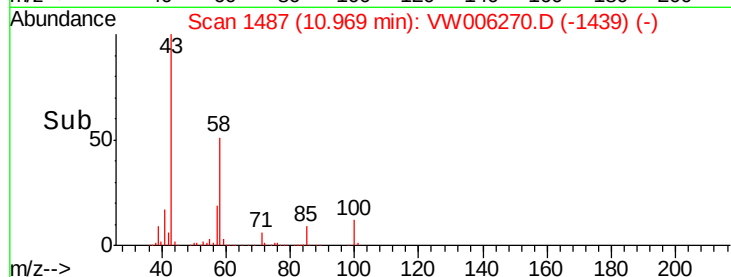
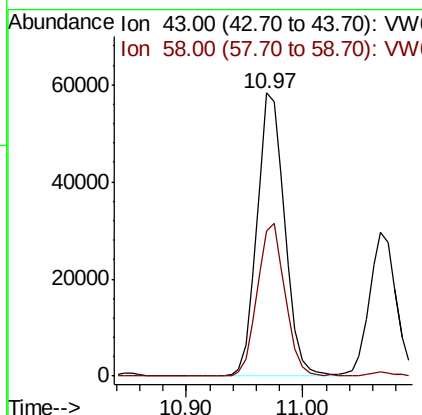
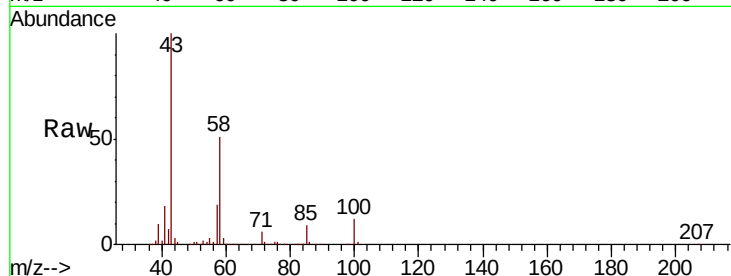
#59
2-Hexanone
Concen: 109.786 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.01 min
Lab File: VW006270.D
Acq: 23 Oct 2018 01:29

Instrument :
MSVOA_W
ClientSampleId :
VW1022SBSD02

Tot Ion	43	Resp	97043
Ion Ratio	100	Lower	Upper
43	100		
58	54.2	26.9	80.6

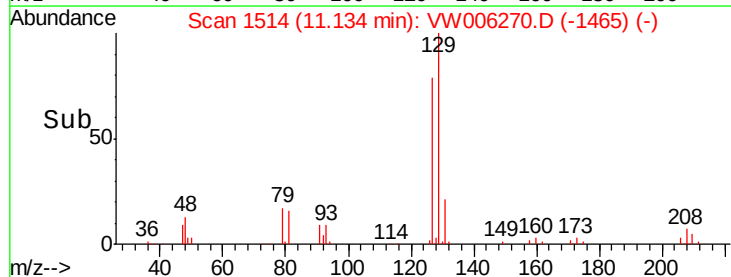
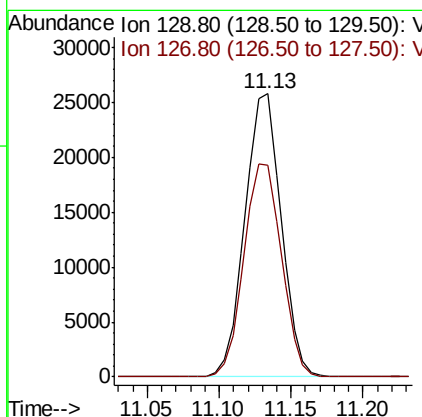
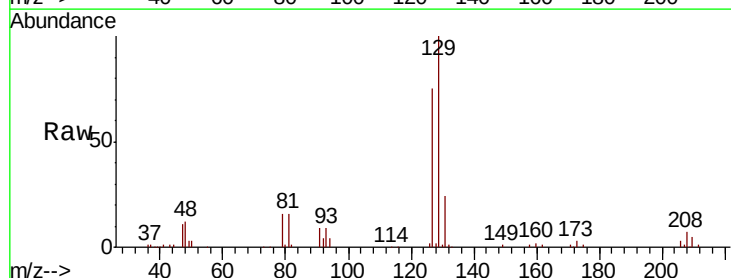
Manual Integrations
APPROVED

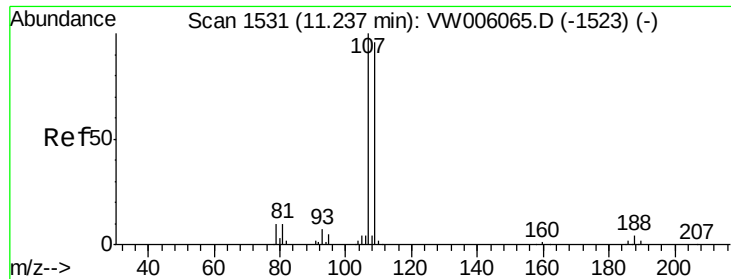
sam
10/24/2018 5:33:29 PM



#60
Dibromochloromethane
Concen: 21.243 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. -0.00 min
Lab File: VW006270.D
Acq: 23 Oct 2018 01:29

Tgt Ion	129	Resp	45067	
Ion Ratio	129	100	Lower	Upper
129	100			
127	77.7	38.6	115.7	





#61

1,2-Dibromoethane

Concen: 22.998 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW006270.D

Acq: 23 Oct 2018 01:29

Instrument :

MSVOA_W

ClientSampleId :

VW1022SBSD02

Tot Ion: 107 Resp: 39139

Ion Ratio Lower Upper

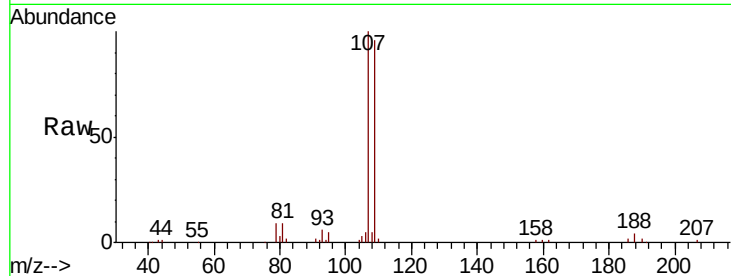
107 100

109 96.1 76.3 114.5

Manual Integrations
APPROVED

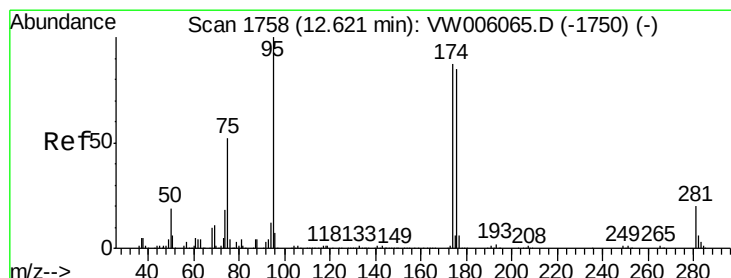
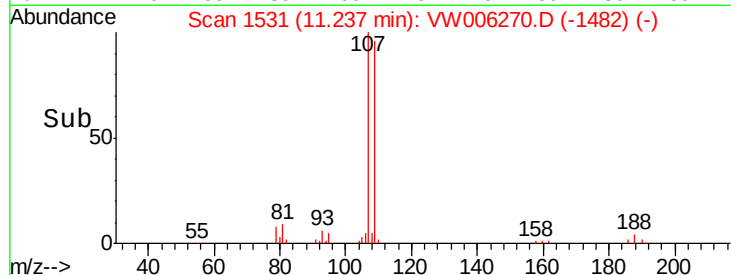
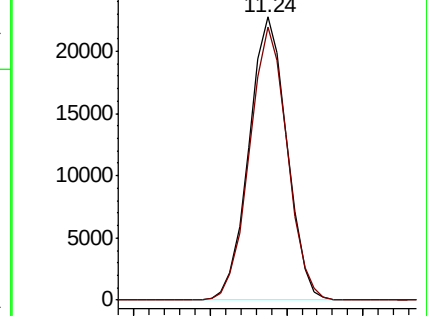
sam

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.289 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW006270.D

Acq: 23 Oct 2018 01:29

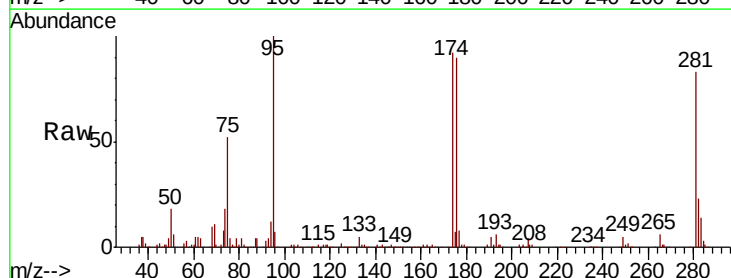
Tgt Ion: 95 Resp: 152852

Ion Ratio Lower Upper

95 100

174 93.9 0.0 186.0

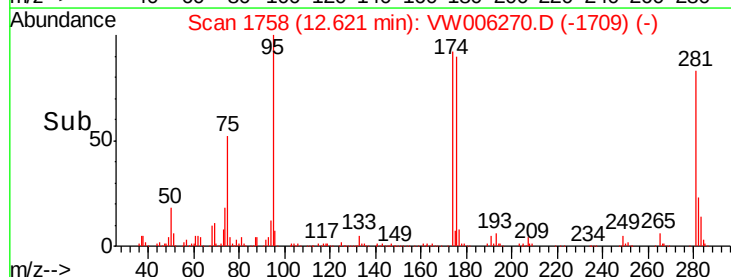
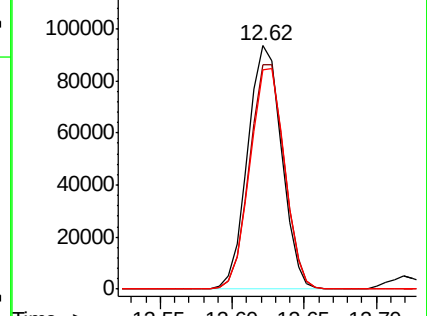
176 92.1 0.0 181.6

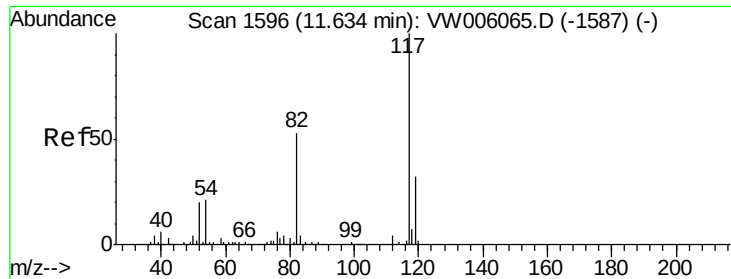


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





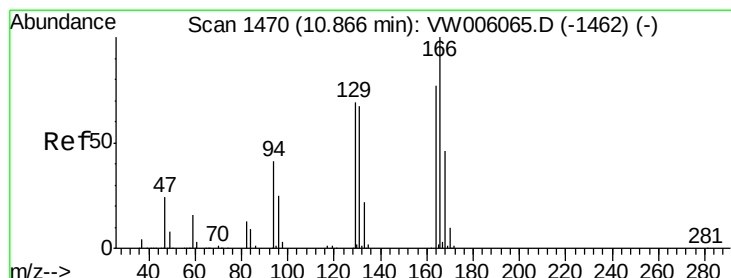
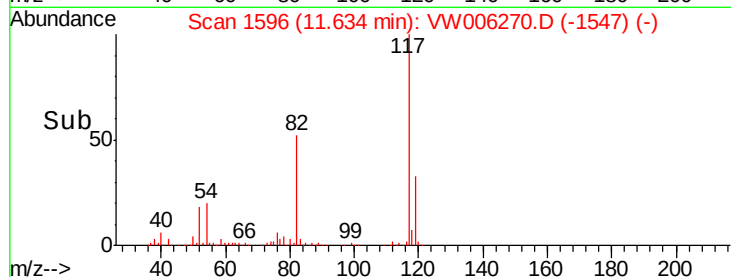
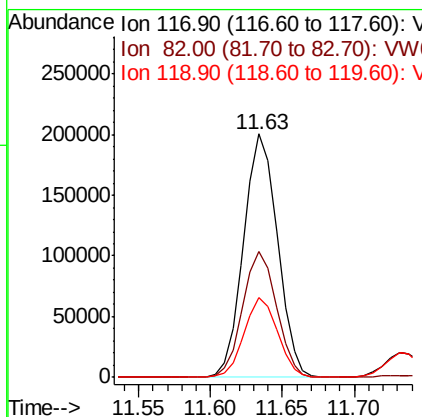
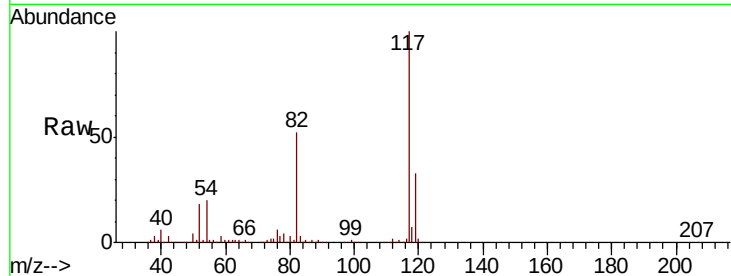
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW006270.D
Acq: 23 Oct 2018 01:29

Instrument :
MSVOA_W
ClientSampleId :
VW1022SBSD02

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.6	42.1	63.1
119	32.6	25.8	38.6

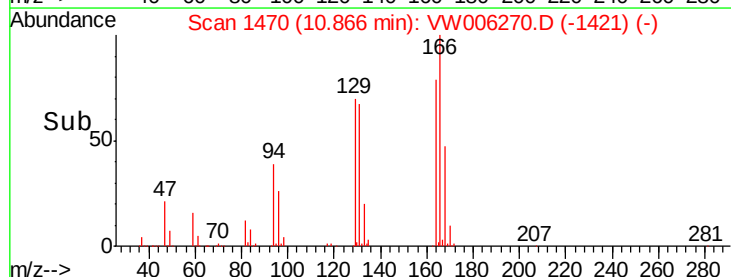
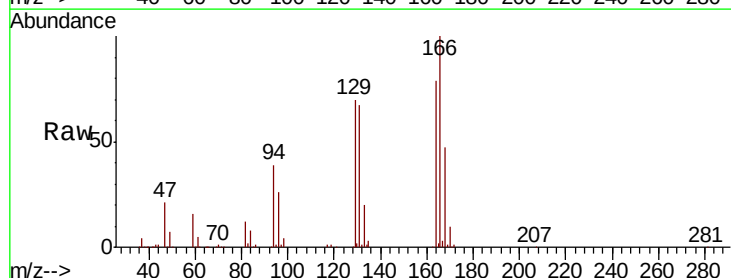
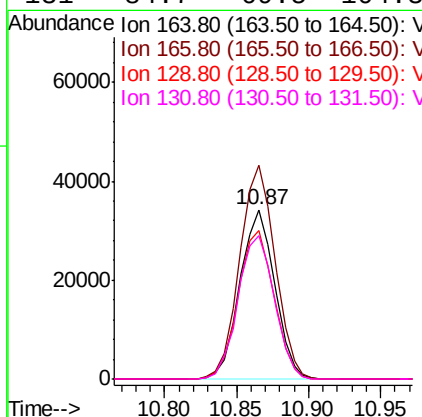
Manual Integrations
APPROVED

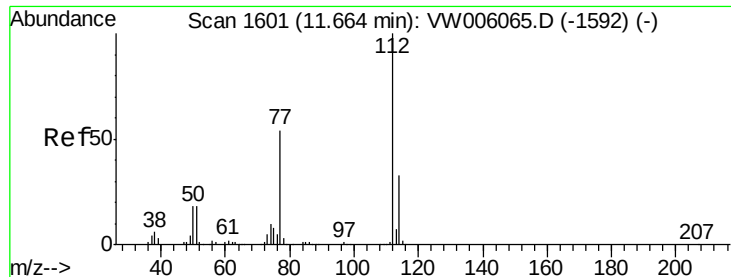
sam
10/24/2018 5:33:29 PM



#64
Tetrachloroethene
Concen: 22.597 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW006270.D
Acq: 23 Oct 2018 01:29

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.1	103.4	155.0
129	87.9	71.8	107.8
131	84.7	69.5	104.3





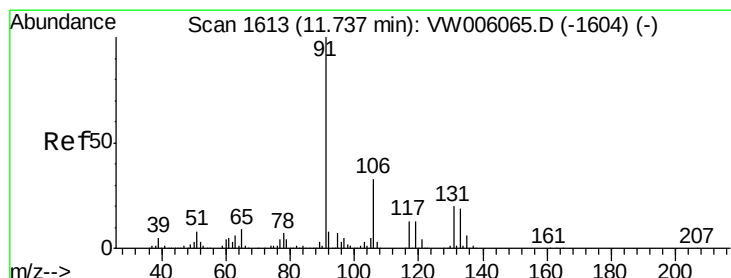
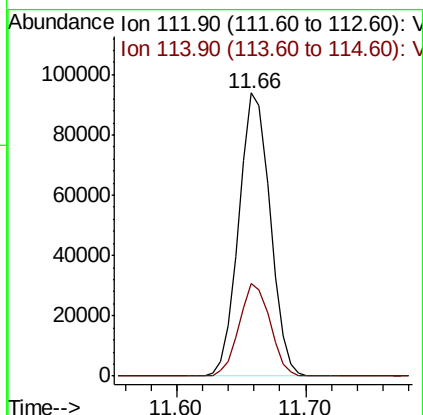
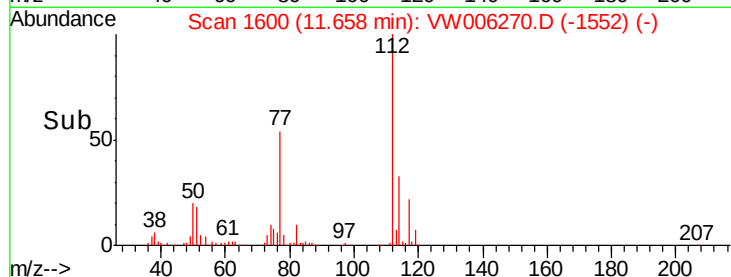
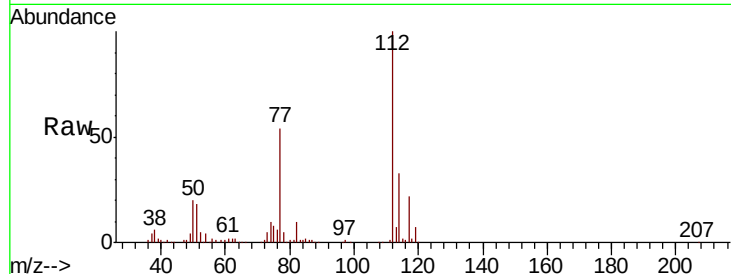
#65
Chlorobenzene
Concen: 22.600 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VW006270.D
Acq: 23 Oct 2018 01:29

Instrument :
MSVOA_W
ClientSampleId :
VW1022SBSD02

Tot Ion:112 Resp: 158247
Ion Ratio Lower Upper
112 100
114 32.9 26.2 39.2

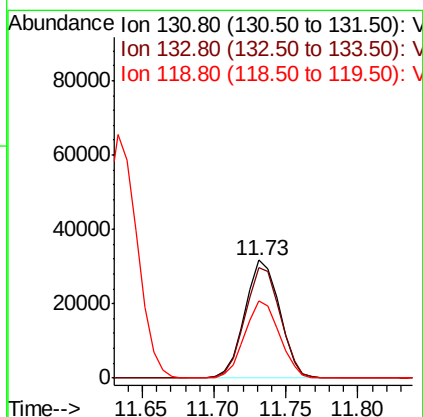
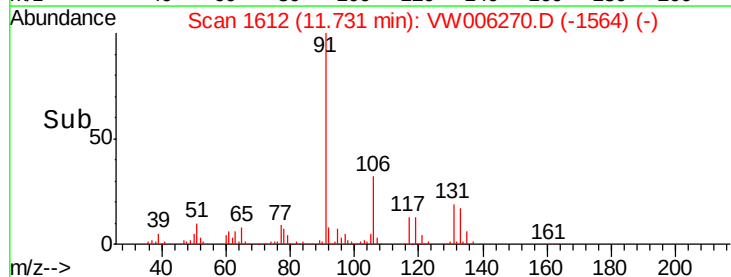
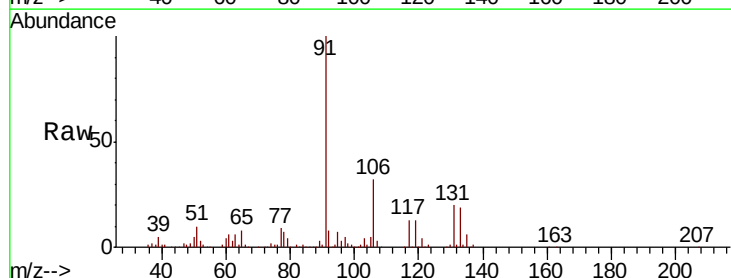
Manual Integrations
APPROVED

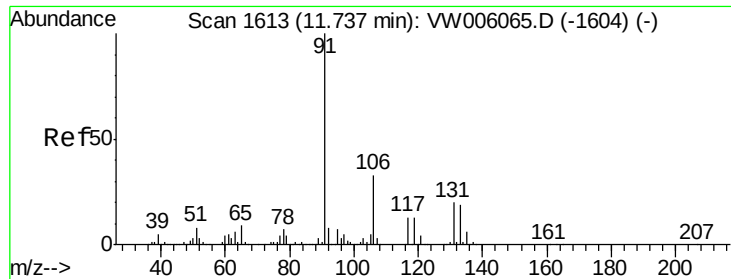
sam
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.260 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.01 min
Lab File: VW006270.D
Acq: 23 Oct 2018 01:29

Tgt Ion:131 Resp: 52904
Ion Ratio Lower Upper
131 100
133 95.4 48.1 144.3
119 65.8 31.6 94.7





#67

Ethyl Benzene

Concen: 21.999 ug/l

RT: 11.74 min Scan# 1613

Delta R.T. -0.00 min

Lab File: VW006270.D

Acq: 23 Oct 2018 01:29

Instrument :

MSVOA_W

ClientSampleId :

VW1022SBS02

Tot Ion: 91 Resp: 266953

Ion Ratio Lower Upper

91 100

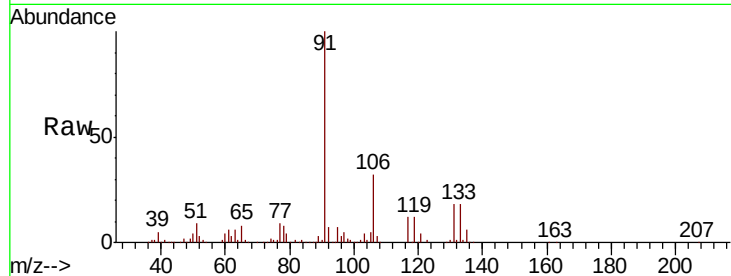
106 32.1 26.1 39.1

Manual Integrations

APPROVED

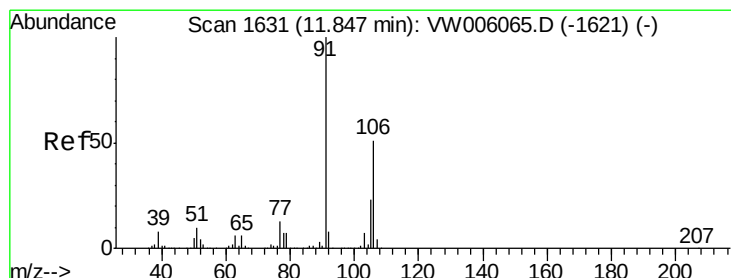
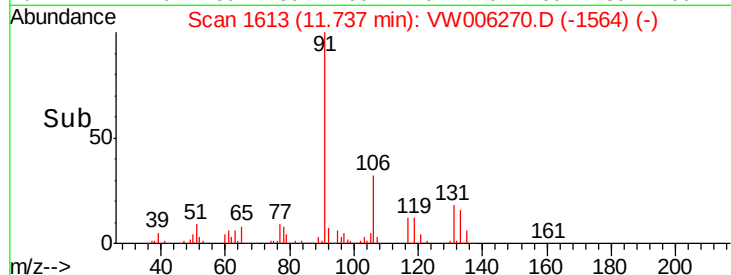
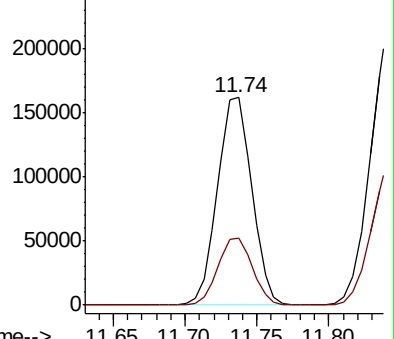
sam

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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 44.116 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. -0.01 min

Lab File: VW006270.D

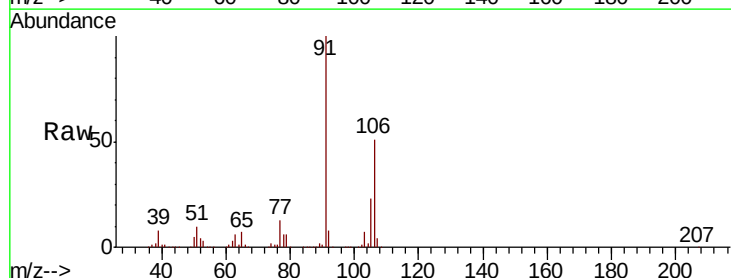
Acq: 23 Oct 2018 01:29

Tgt Ion: 106 Resp: 211594

Ion Ratio Lower Upper

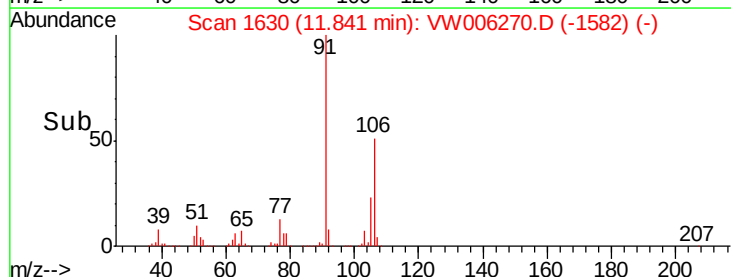
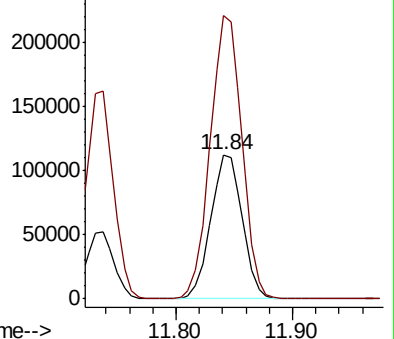
106 100

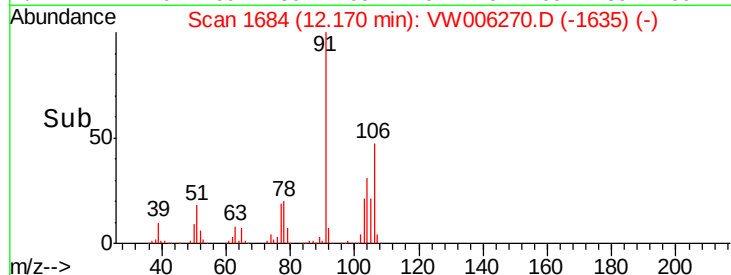
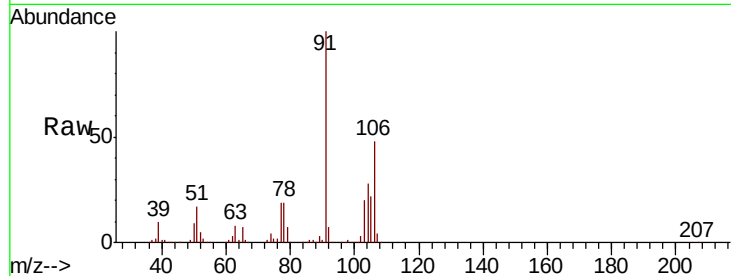
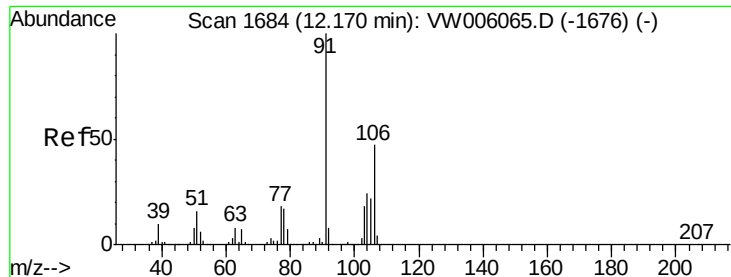
91 198.1 159.1 238.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





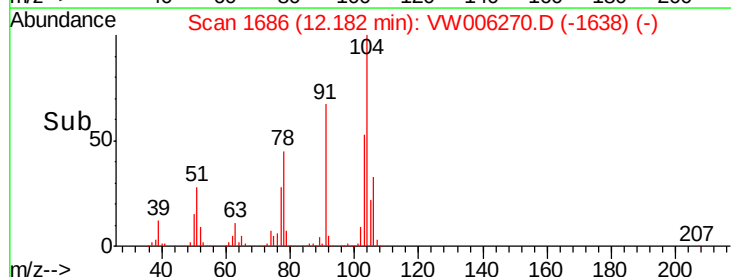
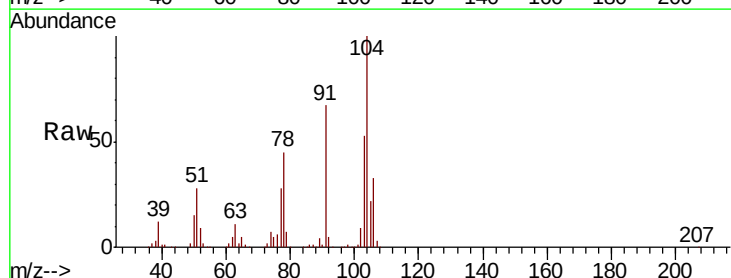
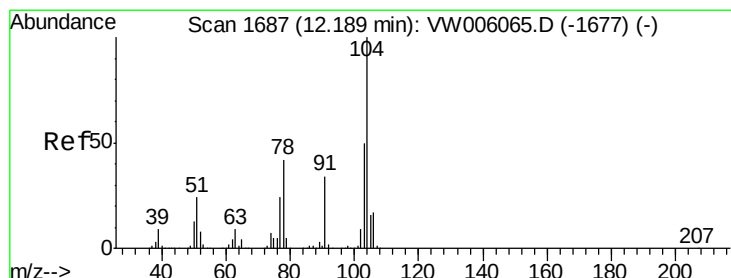
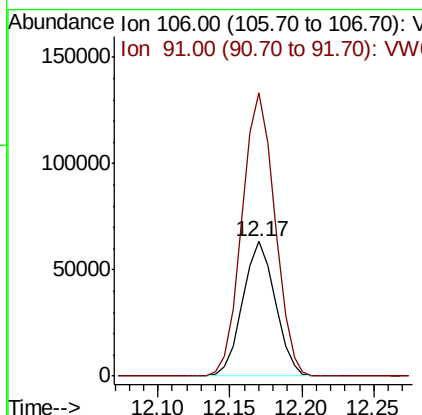
#69
o-Xylene
Concen: 21.813 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW006270.D
Acq: 23 Oct 2018 01:29

Tot Ion:106 Resp: 99710
Ion Ratio Lower Upper
106 100
91 211.7 105.4 316.1

Instrument :
MSVOA_W
ClientSampleId :
VW1022SBSD02

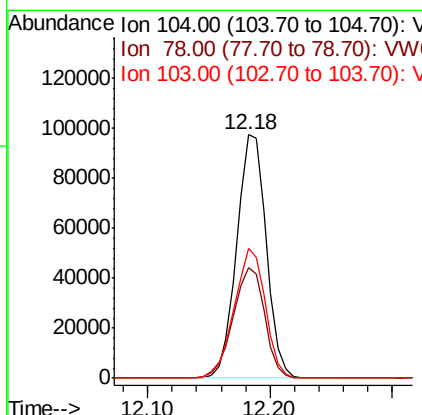
Manual Integrations
APPROVED

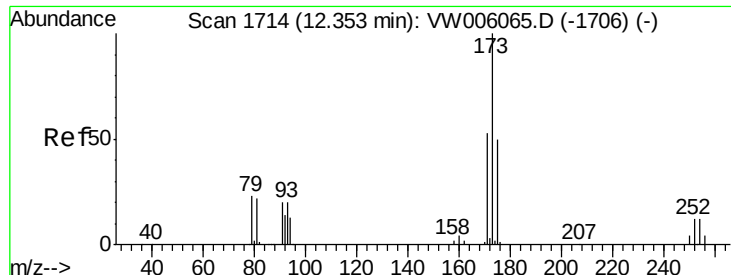
sam
10/24/2018 5:33:29 PM



#70
Styrene
Concen: 21.900 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.01 min
Lab File: VW006270.D
Acq: 23 Oct 2018 01:29

Tgt Ion:104 Resp: 162785
Ion Ratio Lower Upper
104 100
78 48.6 39.1 58.7
103 55.9 44.3 66.5





#71

Bromoform

Concen: 19.754 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW006270.D

Acq: 23 Oct 2018 01:29

Instrument :

MSVOA_W

ClientSampleId :

VW1022SBSD02

Tot Ion:173 Resp: 27418

Ion Ratio Lower Upper

173 100

175 48.8 24.2 72.6

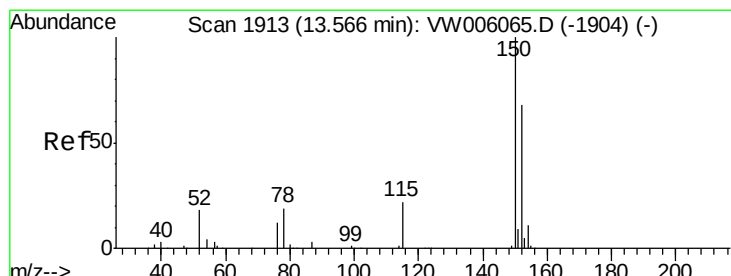
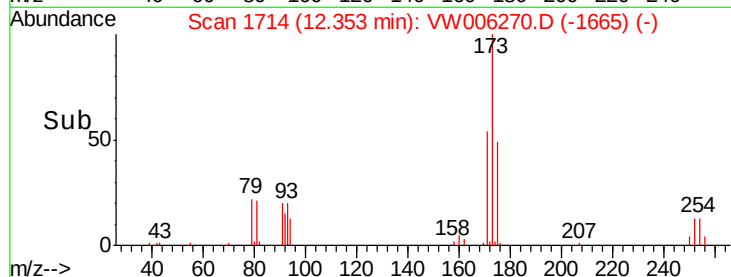
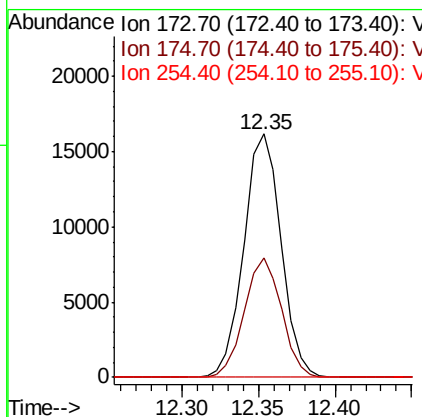
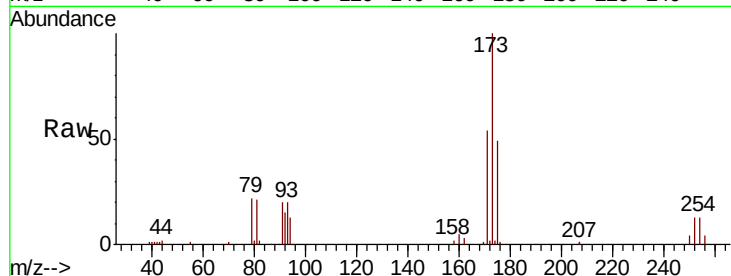
254 0.0 0.1 0.1#

Manual Integrations

APPROVED

sam

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. -0.00 min

Lab File: VW006270.D

Acq: 23 Oct 2018 01:29

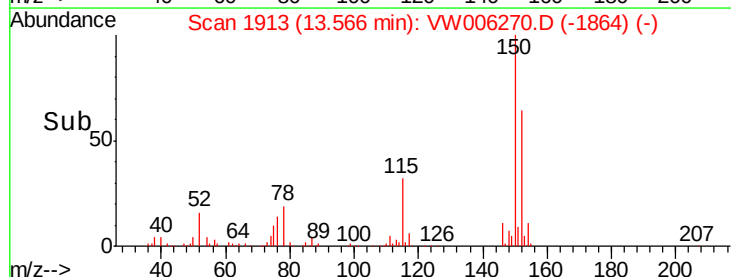
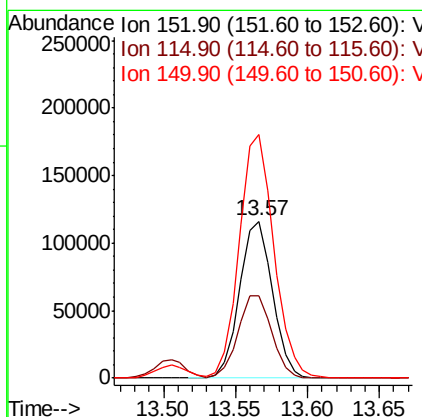
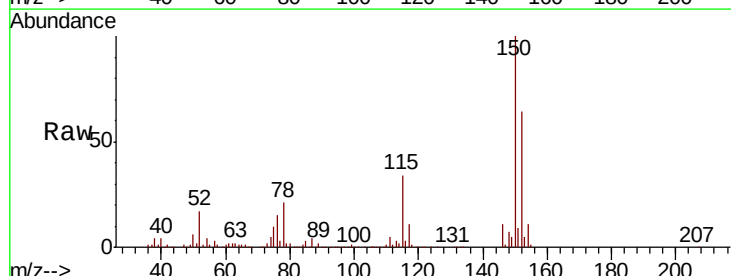
Tgt Ion:152 Resp: 184003

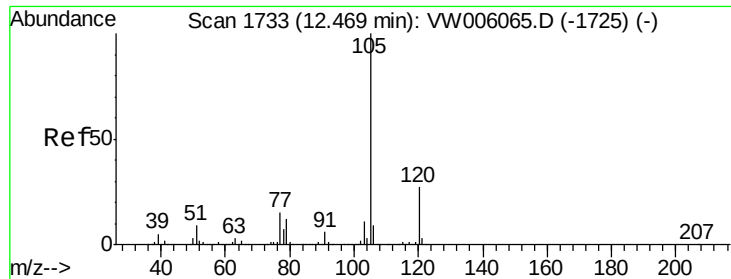
Ion Ratio Lower Upper

152 100

115 54.2 27.8 83.3

150 163.4 0.0 349.2





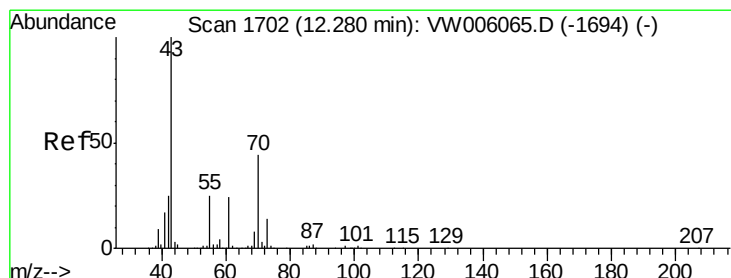
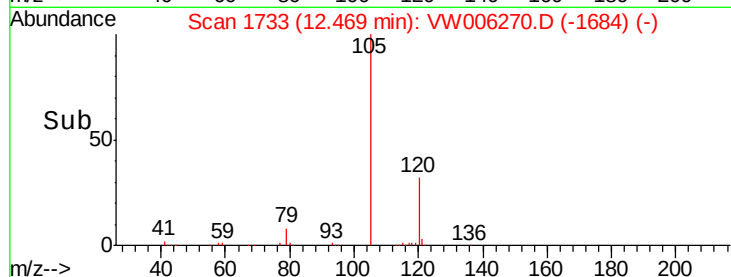
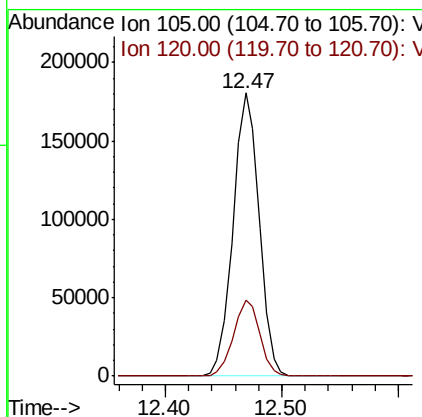
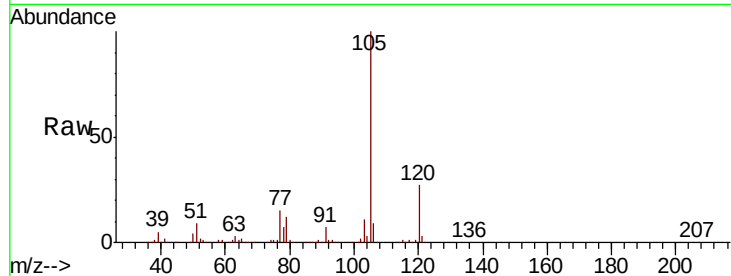
#73
Isopropylbenzene
Concen: 21.629 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VW006270.D
Acq: 23 Oct 2018 01:29

Instrument :
MSVOA_W
ClientSampleId :
VW1022SBSD02

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.1	13.6	40.7

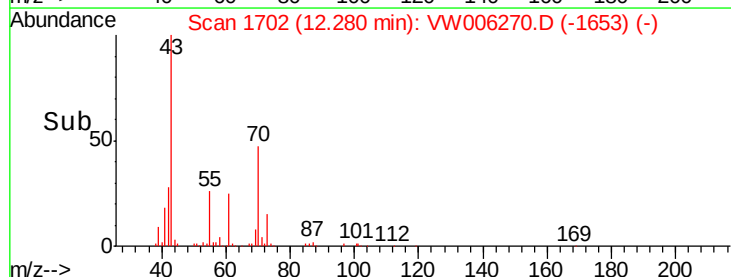
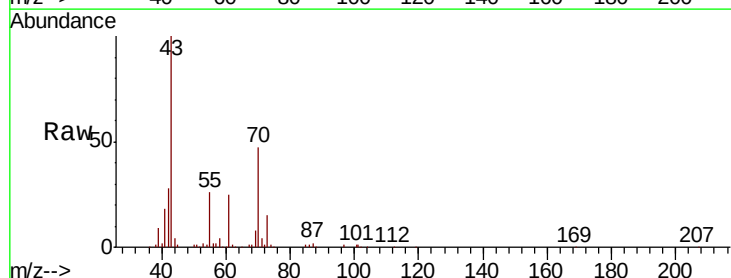
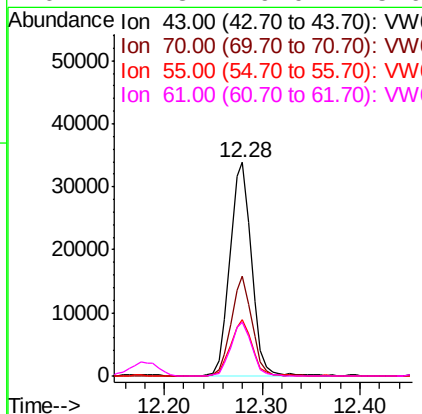
Manual Integrations
APPROVED

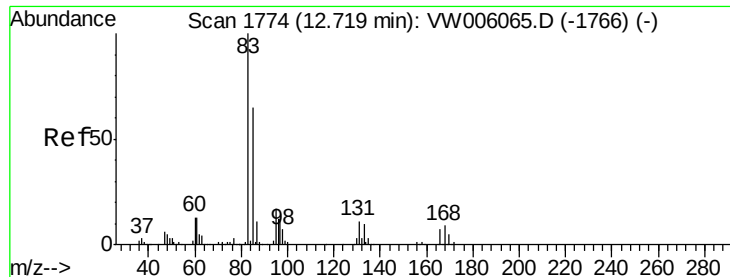
sam
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#74
N-ethyl acetate
Concen: 20.611 ug/l
RT: 12.28 min Scan# 1702
Delta R.T. -0.00 min
Lab File: VW006270.D
Acq: 23 Oct 2018 01:29

Tgt Ion	Ratio	Lower	Upper
43	100		
70	44.6	34.2	51.4
55	26.3	19.2	28.8
61	24.3	19.0	28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 23.001 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW006270.D

Acq: 23 Oct 2018 01:29

Instrument :

MSVOA_W

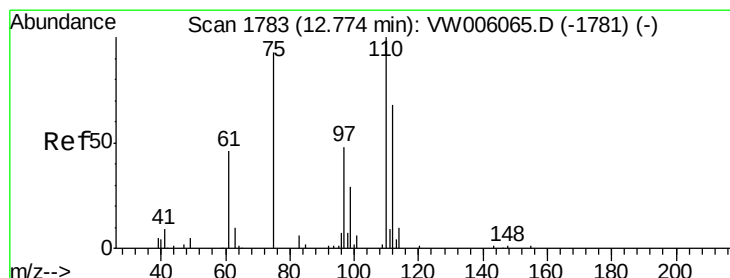
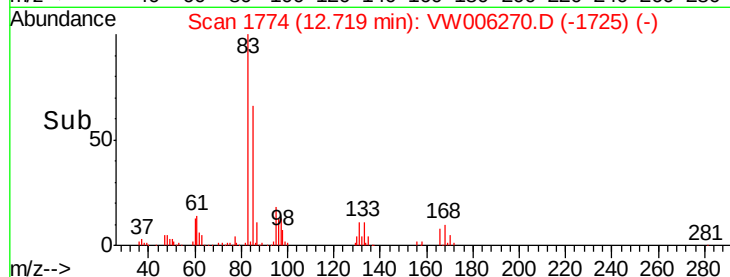
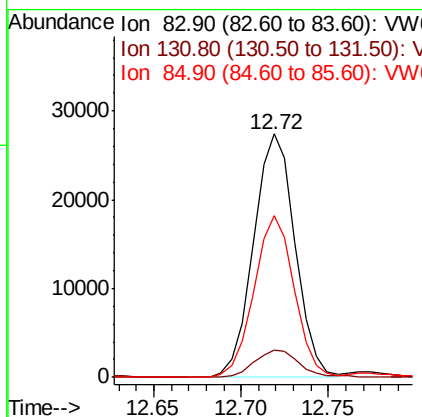
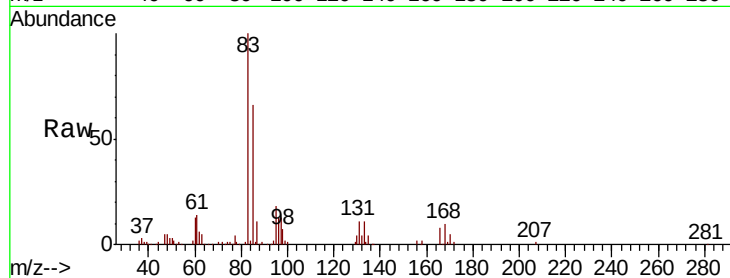
ClientSampleId :

VW1022SBSD02

Tot Ion:	83	Resp:	45476
Ion Ratio	Lower	Upper	
83	100		
131	12.3	5.9	17.7
85	64.4	31.9	95.9

Manual Integrations
APPROVED

sam
10/24/2018 5:33:29 PM



#76

1,2,3-Trichloropropane

Concen: 25.236 ug/l m

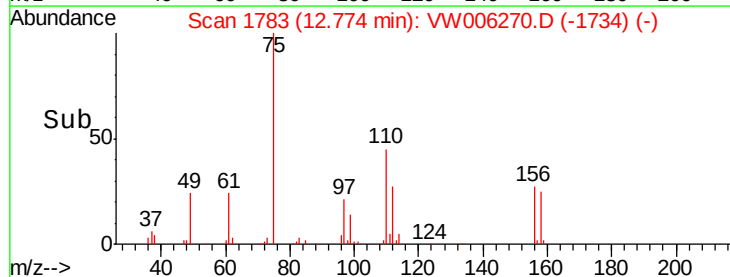
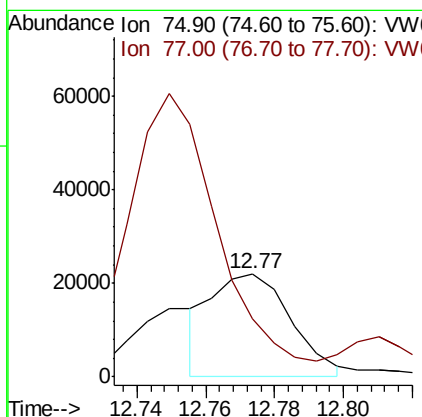
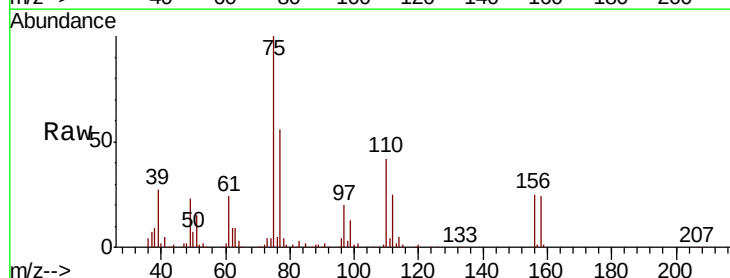
RT: 12.77 min Scan# 1783

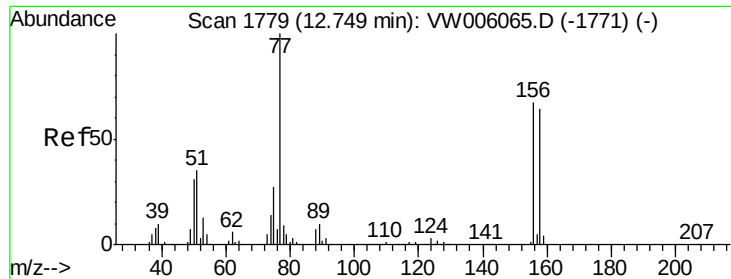
Delta R.T. -0.00 min

Lab File: VW006270.D

Acq: 23 Oct 2018 01:29

Tgt Ion:	75	Resp:	35467
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





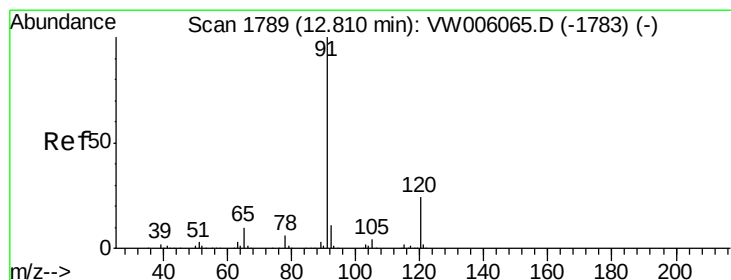
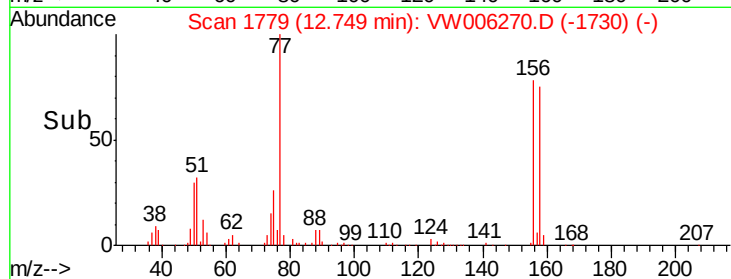
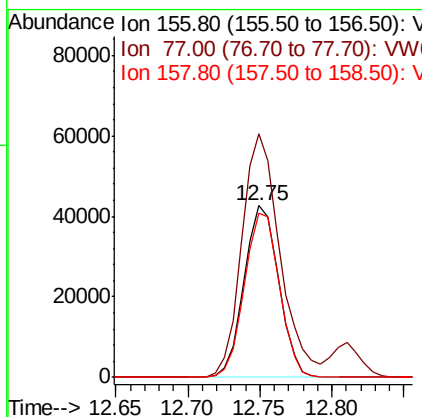
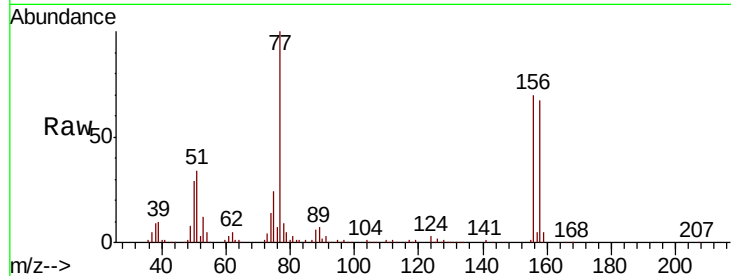
#77
Bromobenzene
Concen: 22.297 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. -0.00 min
Lab File: VW006270.D
Acq: 23 Oct 2018 01:29

Instrument :
MSVOA_W
ClientSampleId :
VW1022SBSD02

Tot Ion	Ratio	Lower	Upper
156	100		
77	156.7	79.1	237.4
158	96.8	48.5	145.6

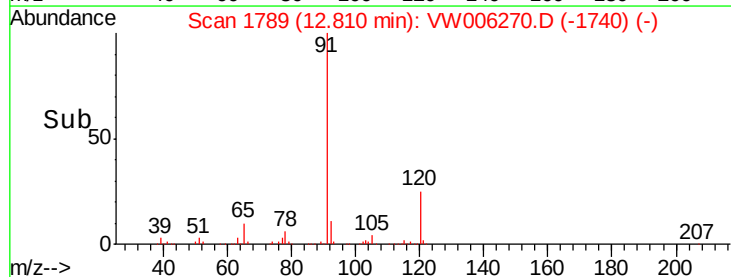
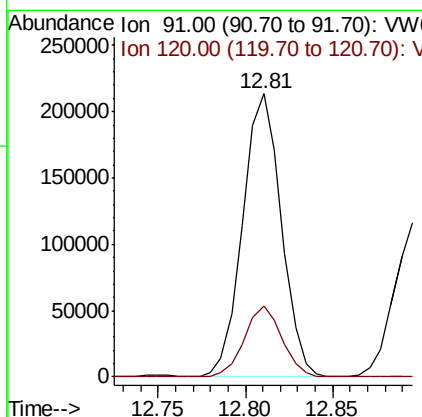
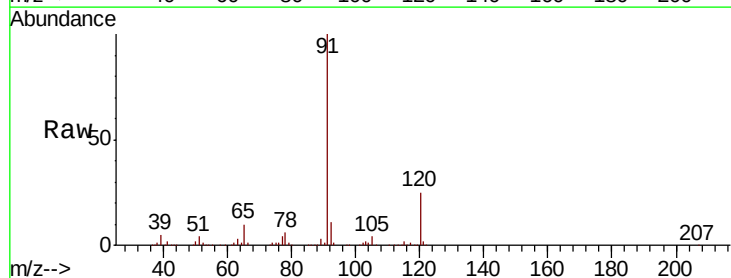
Manual Integrations
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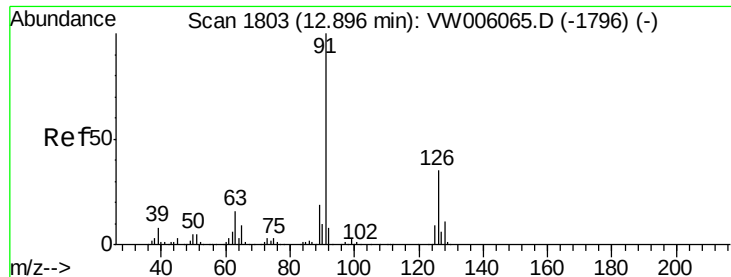
sam
10/24/2018 5:33:29 PM



#78
n-propylbenzene
Concen: 21.642 ug/l
RT: 12.81 min Scan# 1789
Delta R.T. -0.00 min
Lab File: VW006270.D
Acq: 23 Oct 2018 01:29

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.5	12.2	36.6





#79

2-Chlorotoluene

Concen: 21.761 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW006270.D

Acq: 23 Oct 2018 01:29

Instrument :

MSVOA_W

ClientSampleId :

VW1022SBS02

Tot Ion: 91 Resp: 184913

Ion Ratio Lower Upper

91 100

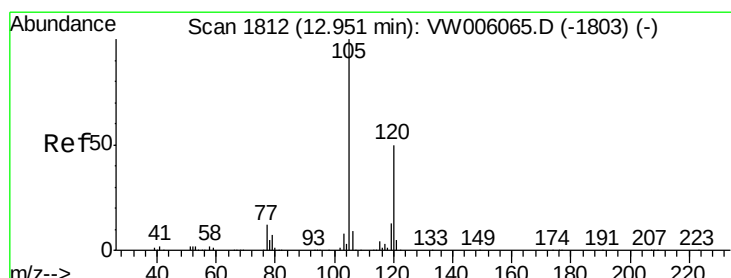
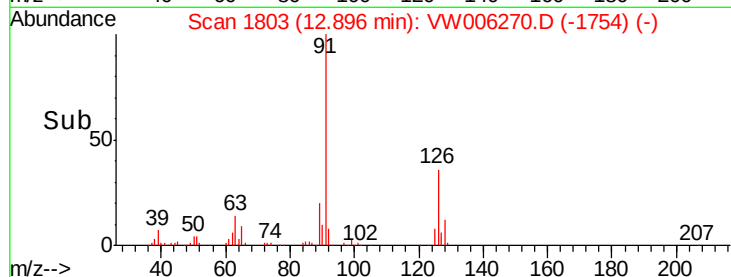
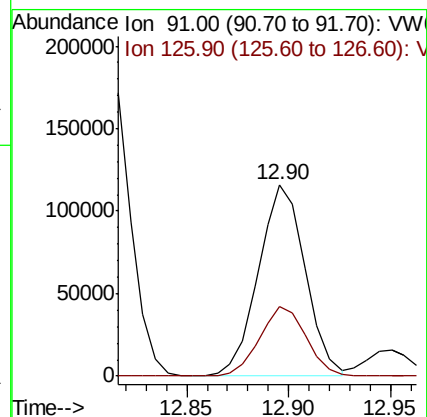
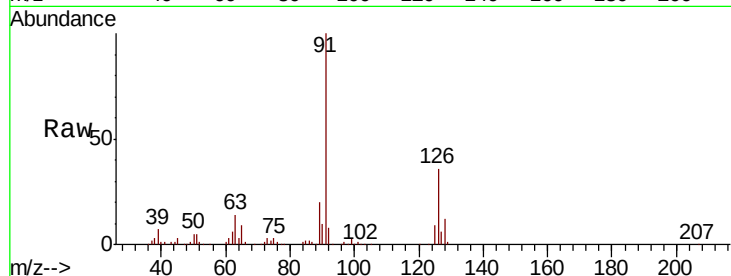
126 36.3 17.9 53.8

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 21.658 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. -0.00 min

Lab File: VW006270.D

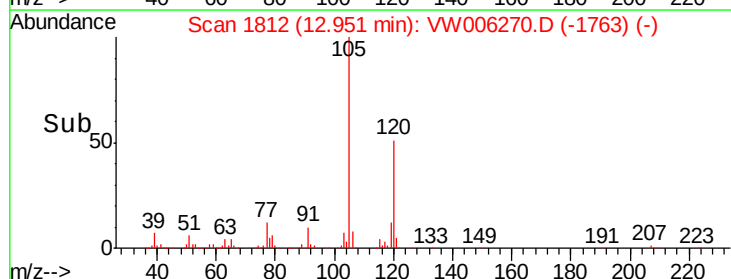
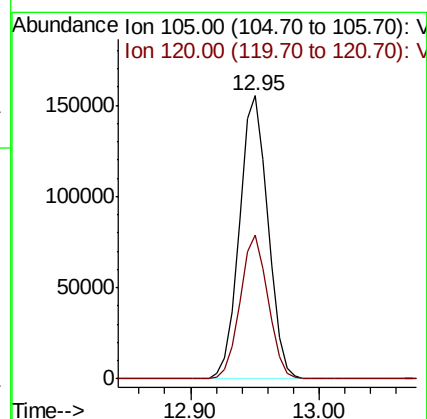
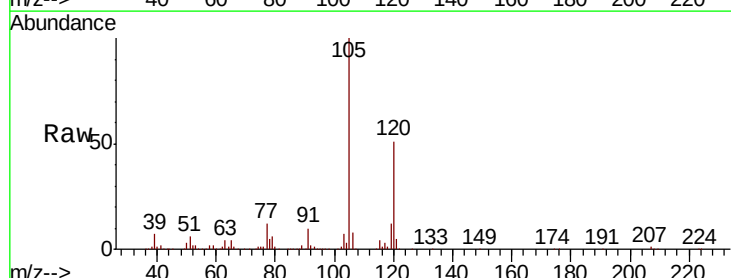
Acq: 23 Oct 2018 01:29

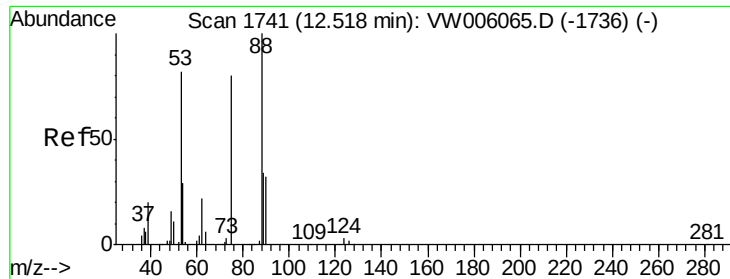
Tgt Ion:105 Resp: 237348

Ion Ratio Lower Upper

105 100

120 49.9 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 17.835 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VW006270.D

Acq: 23 Oct 2018 01:29

Instrument :

MSVOA_W

ClientSampleId :

VW1022SBSD02

Tot Ion: 75 Resp: 10486

Ion Ratio Lower Upper

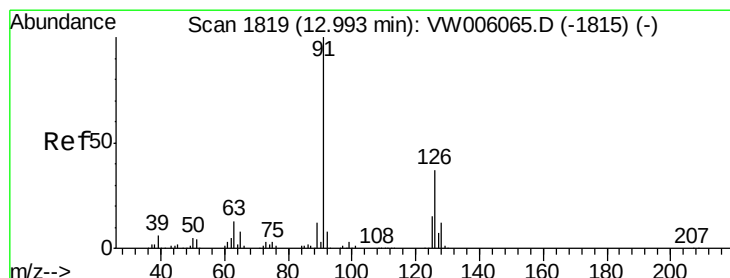
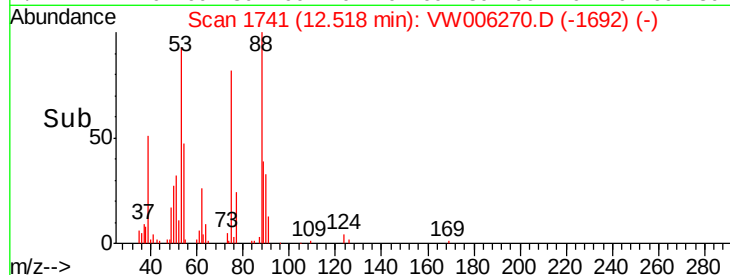
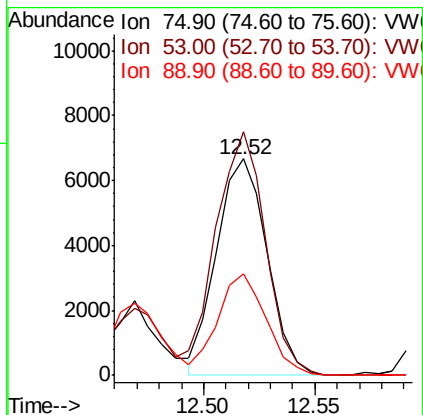
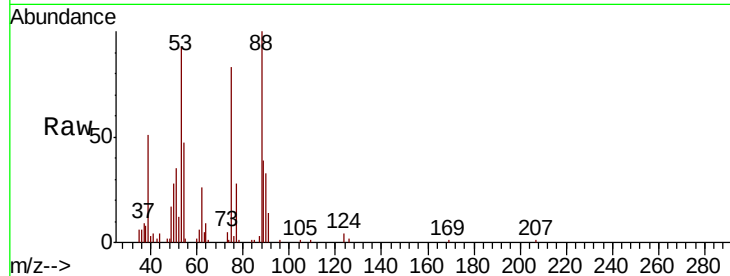
75 100

53 111.9 79.8 119.6

89 45.3 37.5 56.3

Manual Integrations
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#82

4-Chlorotoluene

Concen: 22.252 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VW006270.D

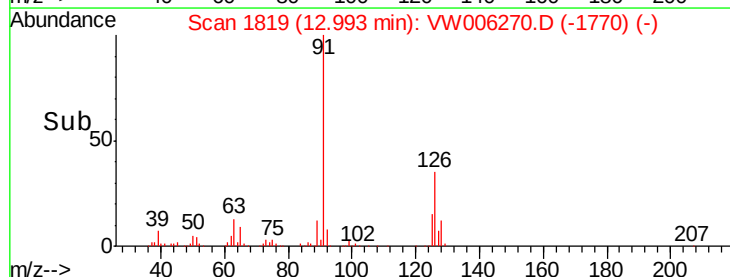
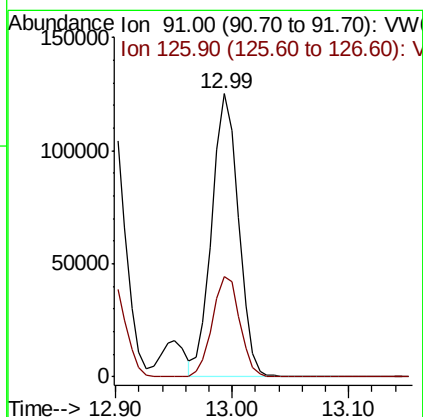
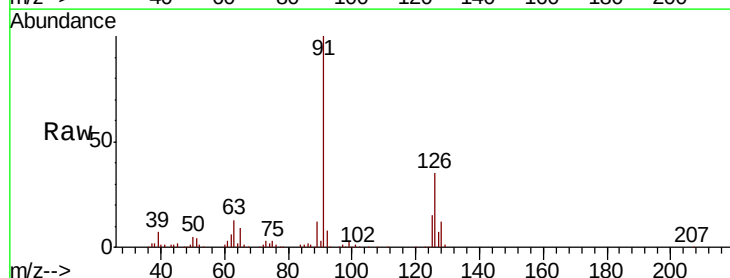
Acq: 23 Oct 2018 01:29

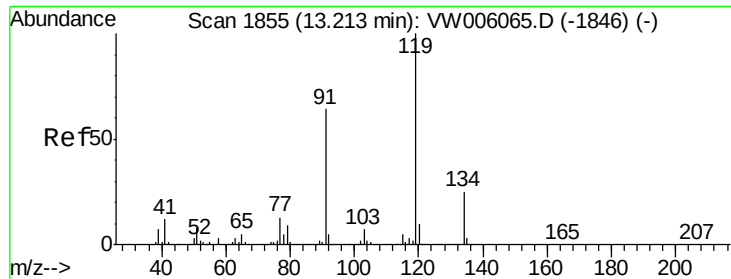
Tgt Ion: 91 Resp: 198068

Ion Ratio Lower Upper

91 100

126 36.2 18.1 54.3





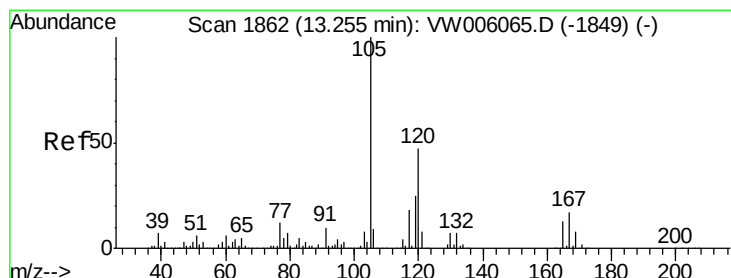
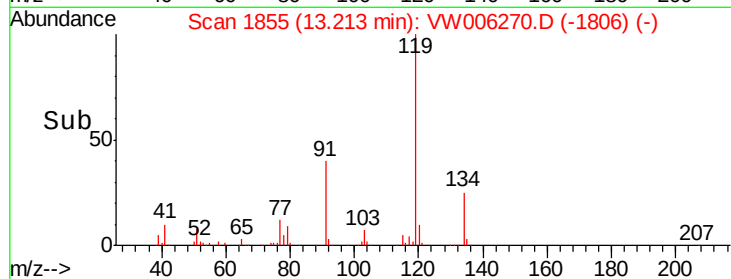
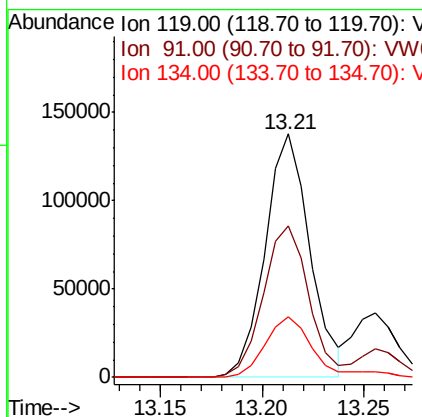
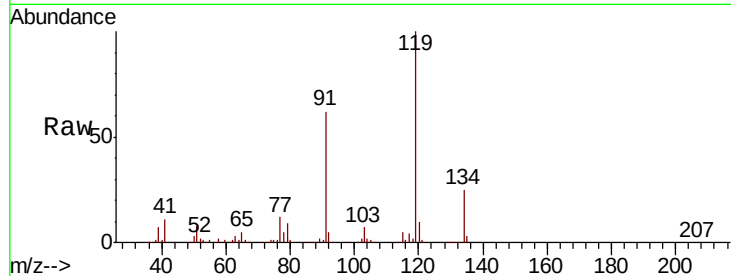
#83
tert-Butylbenzene
Concen: 21.504 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. -0.00 min
Lab File: VW006270.D
Acq: 23 Oct 2018 01:29

Instrument :
MSVOA_W
ClientSampleId :
VW1022SBS02

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.9	32.3	96.9
134	25.2	13.6	40.8

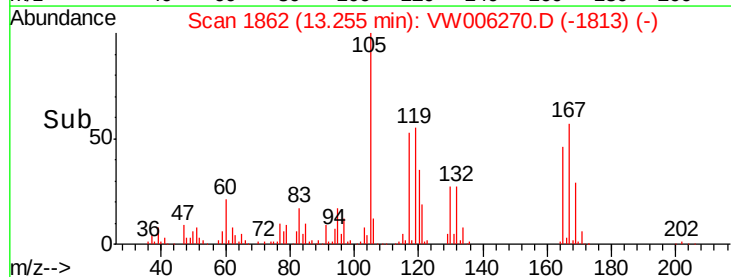
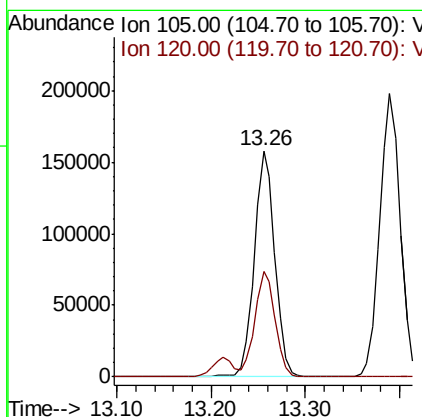
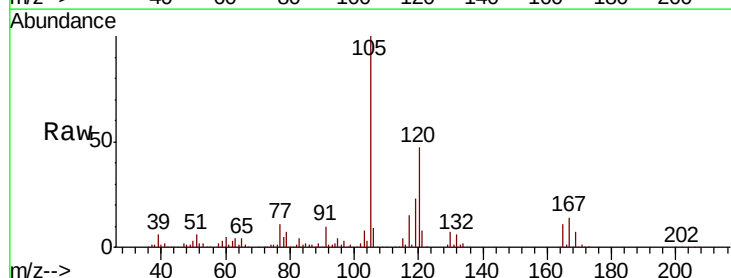
Manual Integrations
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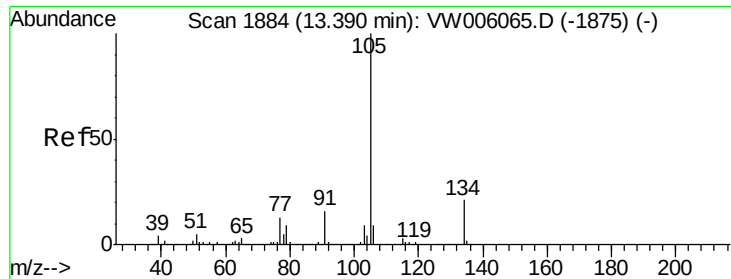
sam
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#84
1,2,4-Trimethylbenzene
Concen: 21.879 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW006270.D
Acq: 23 Oct 2018 01:29

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.9	23.1	69.3





#85

sec-Butylbenzene

Concen: 21.502 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VW006270.D

Acq: 23 Oct 2018 01:29

Instrument :

MSVOA_W

ClientSampleId :

VW1022SBSD02

Tot Ion:105 Resp: 297832

Ion Ratio Lower Upper

105 100

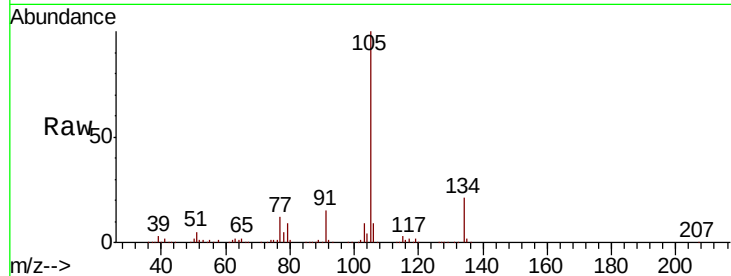
134 21.0 10.5 31.6

Manual Integrations

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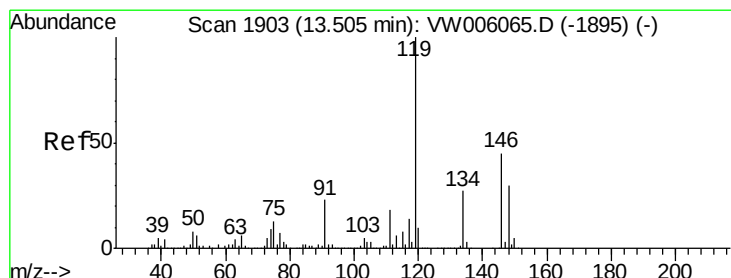
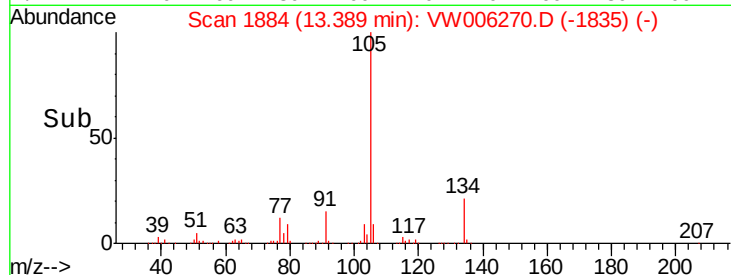
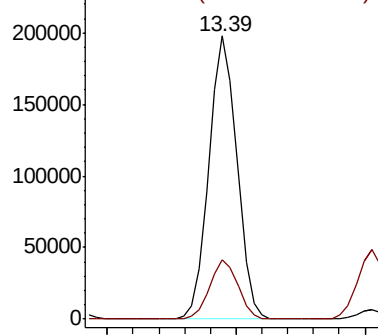
sam

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.586 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. -0.00 min

Lab File: VW006270.D

Acq: 23 Oct 2018 01:29

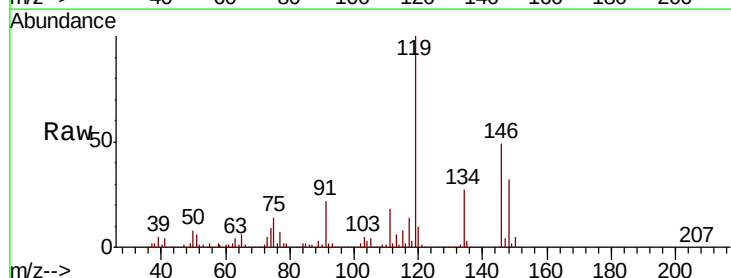
Tgt Ion:119 Resp: 270438

Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.2

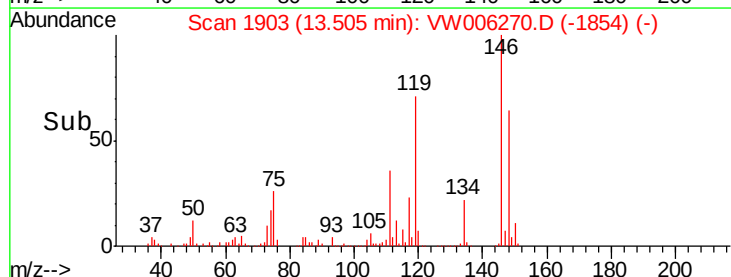
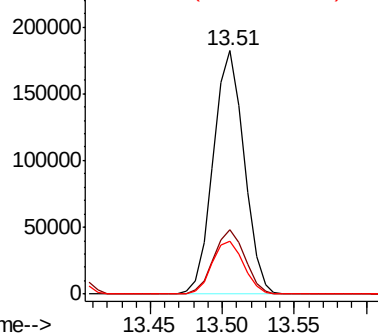
91 22.4 11.4 34.1

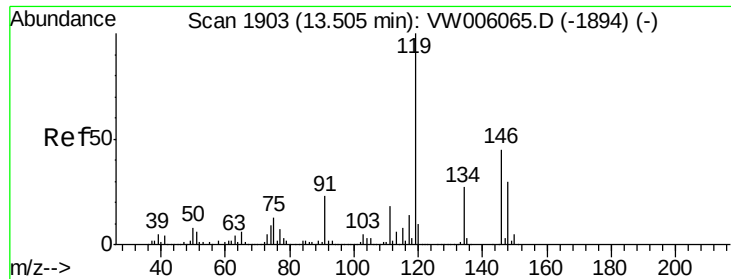


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 22.313 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. -0.00 min

Lab File: VW006270.D

Acq: 23 Oct 2018 01:29

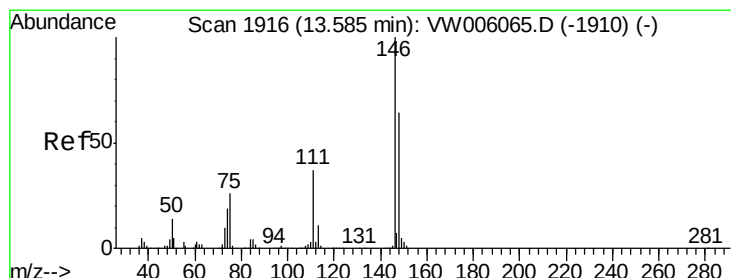
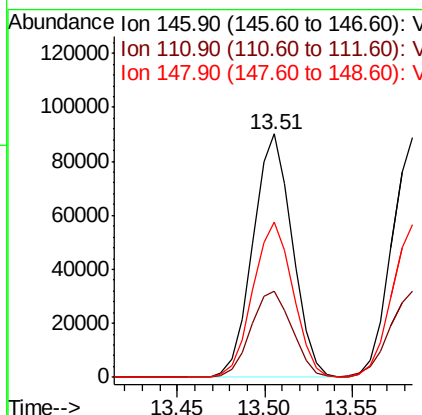
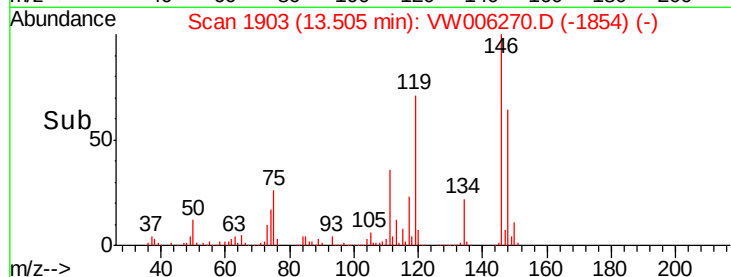
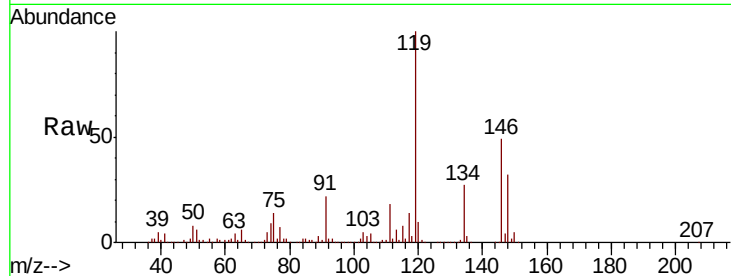
Instrument :
MSVOA_W

ClientSampleId :
VW1022SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.0	19.1	57.5
148	64.8	32.0	96.2

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 22.481 ug/l

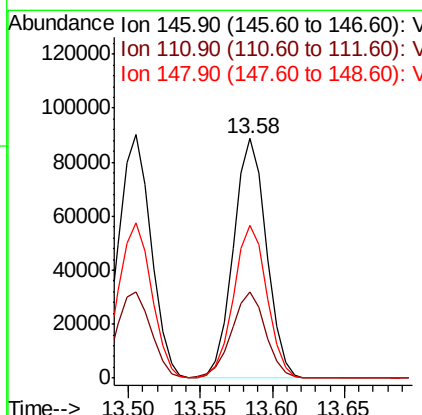
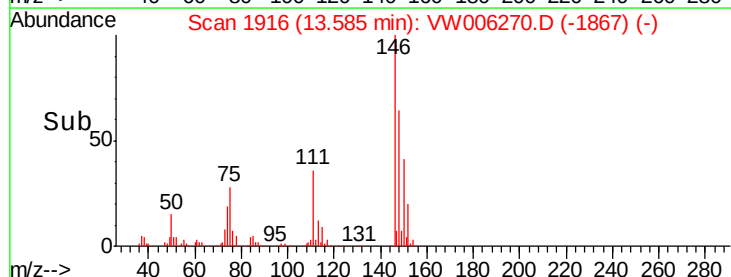
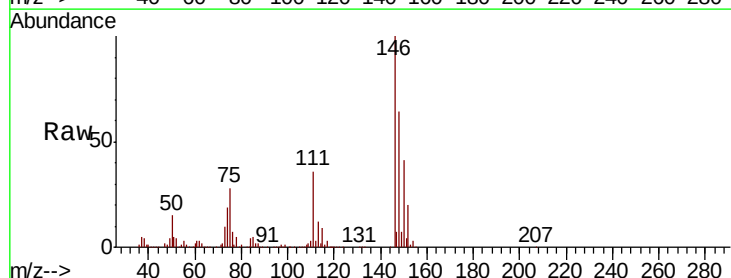
RT: 13.58 min Scan# 1916

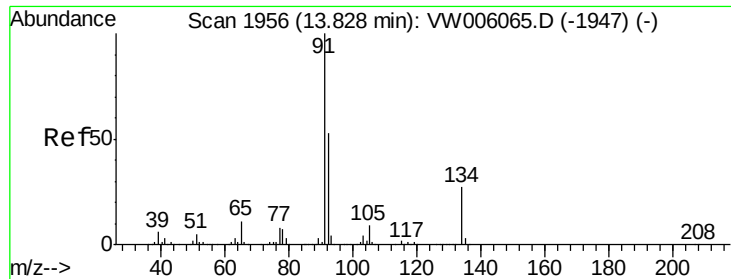
Delta R.T. -0.00 min

Lab File: VW006270.D

Acq: 23 Oct 2018 01:29

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.6	56.0
148	64.1	32.1	96.5





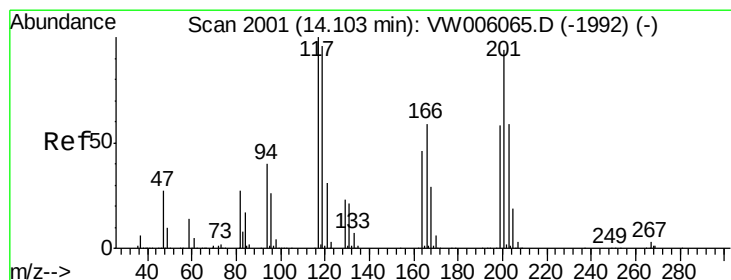
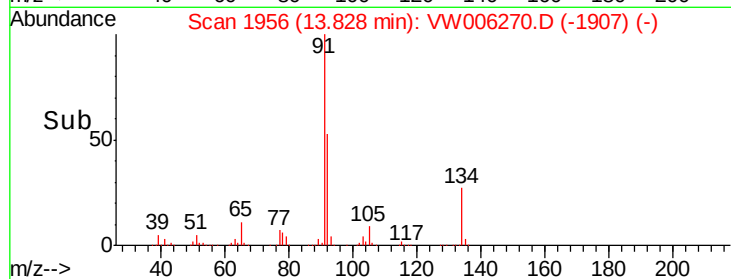
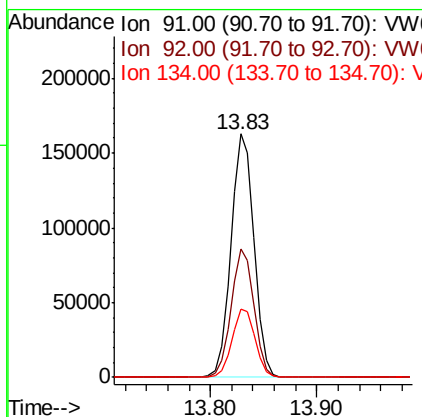
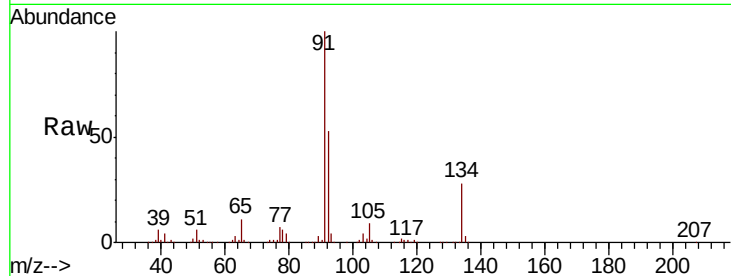
#89
n-Butylbenzene
Concen: 21.466 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW006270.D
Acq: 23 Oct 2018 01:29

Instrument :
MSVOA_W
ClientSampleId :
VW1022SBSD02

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.6	79.7
134	28.2	14.0	41.9

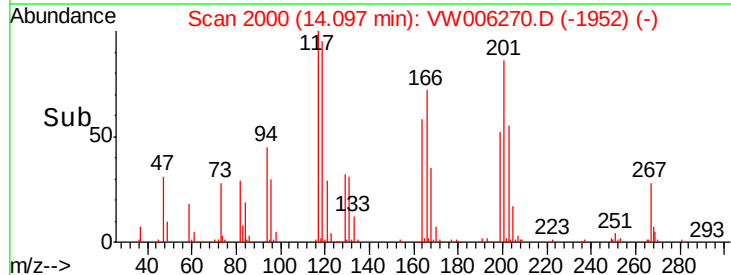
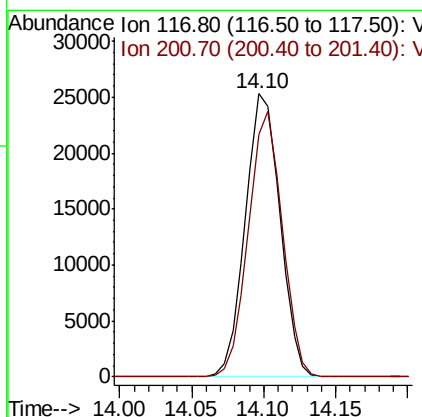
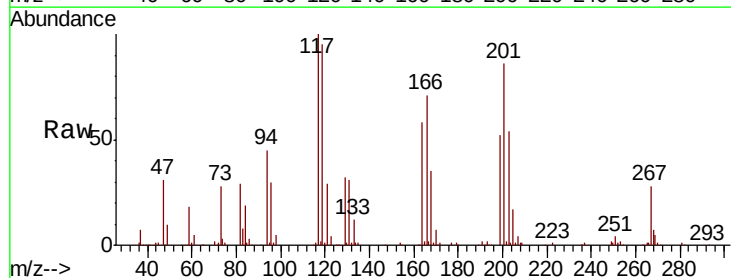
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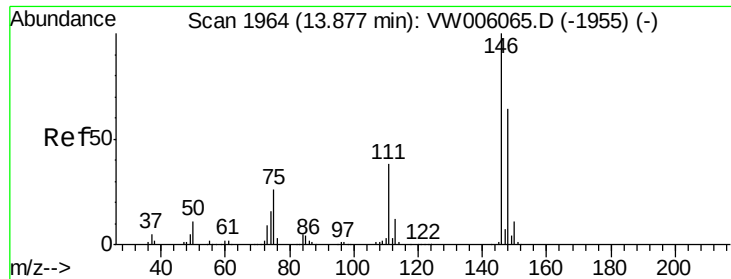
sam
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#90
Hexachloroethane
Concen: 19.899 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.01 min
Lab File: VW006270.D
Acq: 23 Oct 2018 01:29

Tgt Ion	Ratio	Lower	Upper
117	100		
201	91.5	45.3	135.9





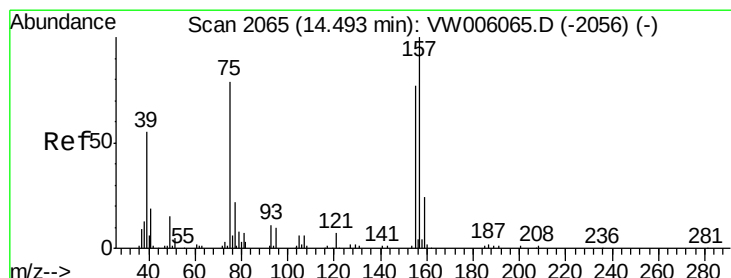
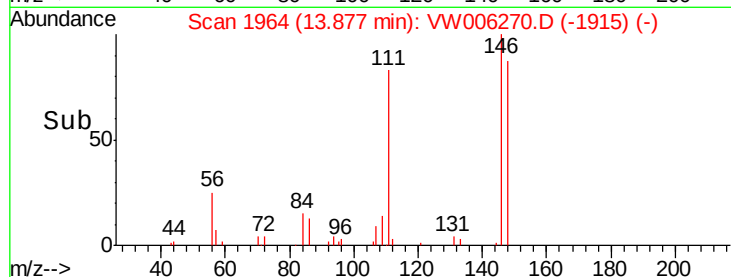
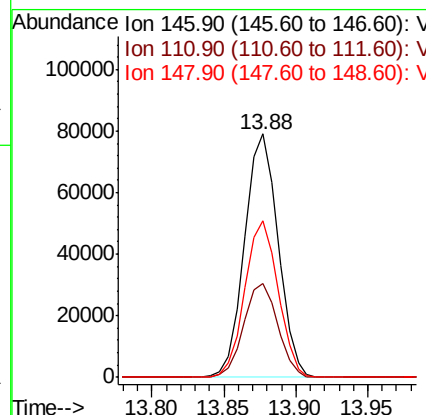
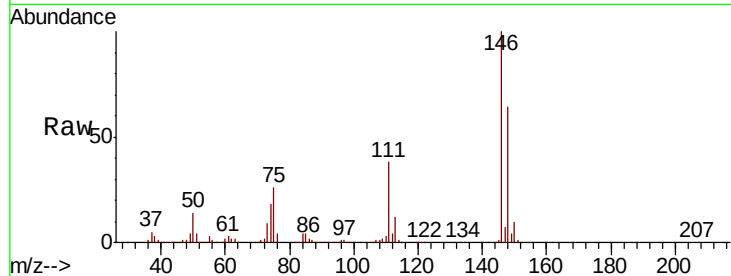
#91
 1,2-Dichlorobenzene
 Concen: 22.533 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. -0.00 min
 Lab File: VW006270.D
 Acq: 23 Oct 2018 01:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1022SBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.6	58.7
148	64.0	32.2	96.6

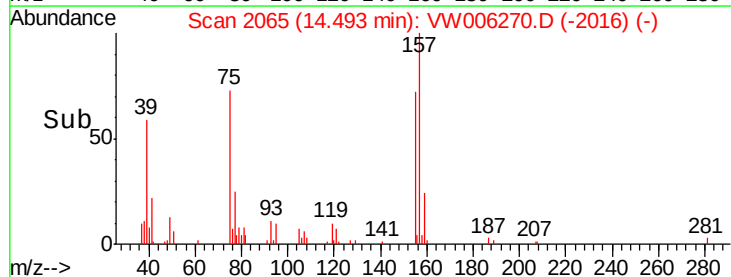
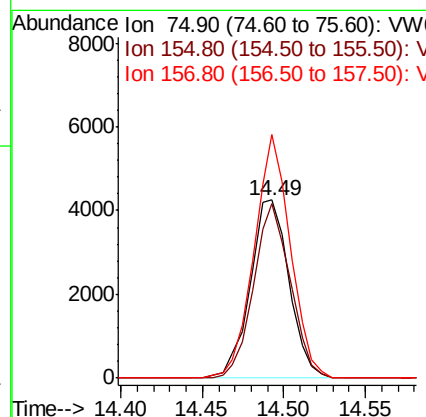
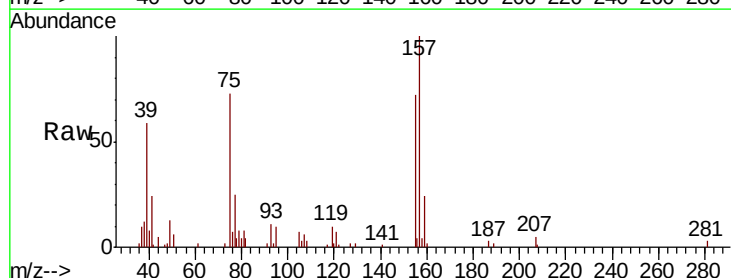
Manual Integrations
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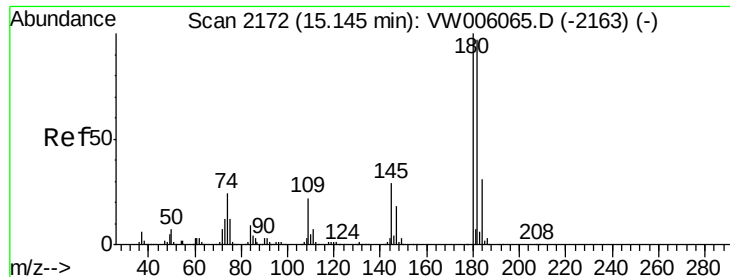
sam
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.001 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. -0.00 min
 Lab File: VW006270.D
 Acq: 23 Oct 2018 01:29

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.2	46.5	139.5
157	126.9	59.8	179.4





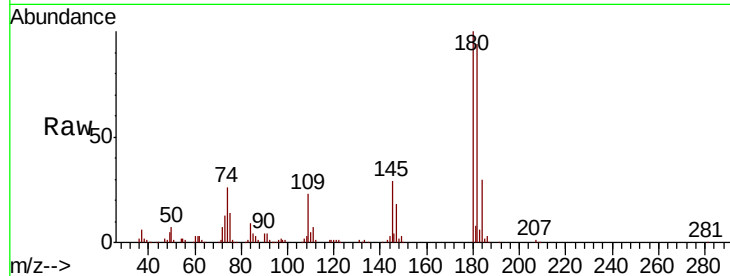
#93
 1,2,4-Trichlorobenzene
 Concen: 22.054 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.01 min
 Lab File: VW006270.D
 Acq: 23 Oct 2018 01:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1022SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	95916		
182	95.4	47.9	143.6	
145	28.8	14.2	42.8	

Manual Integrations
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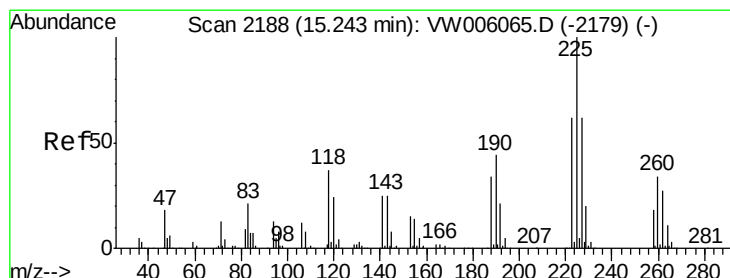
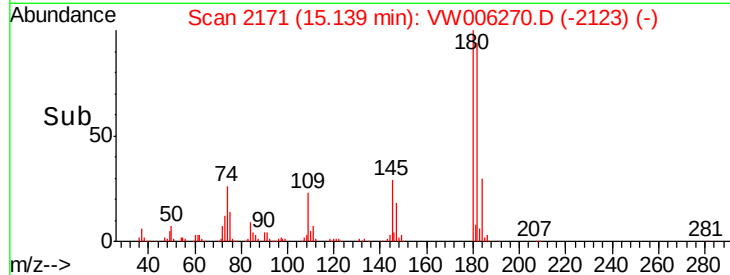
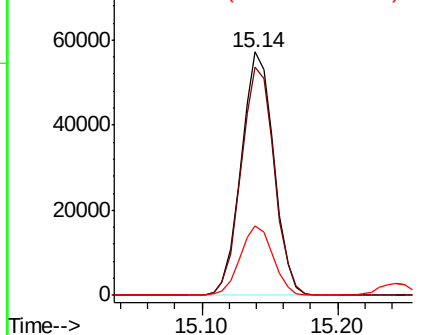


Abundance

Ion 179.80 (179.50 to 180.50): V

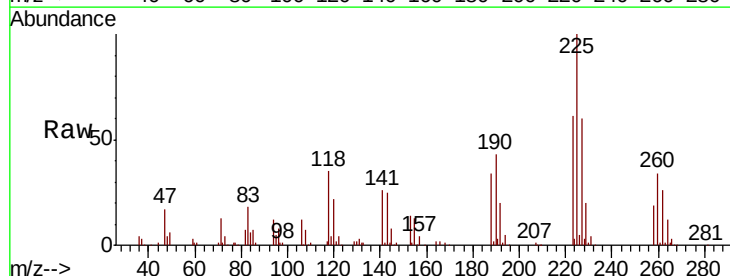
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 21.729 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW006270.D
 Acq: 23 Oct 2018 01:29

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	59364		
223	62.8	31.1	93.5	
227	63.1	32.4	97.0	

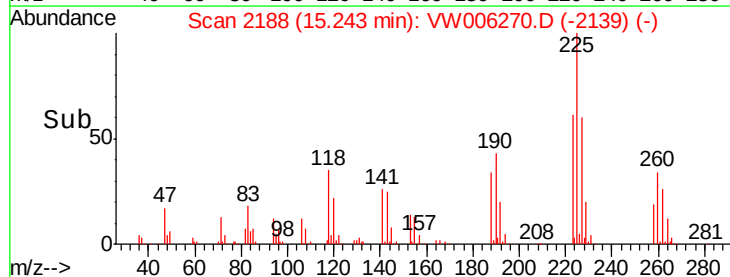
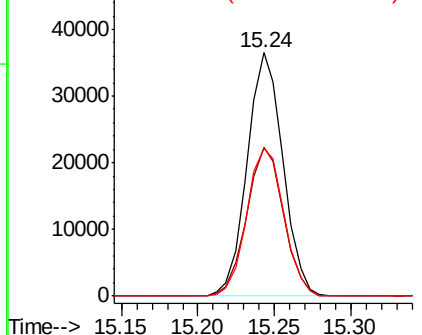


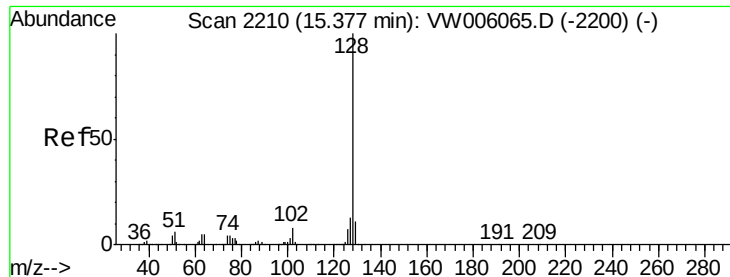
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





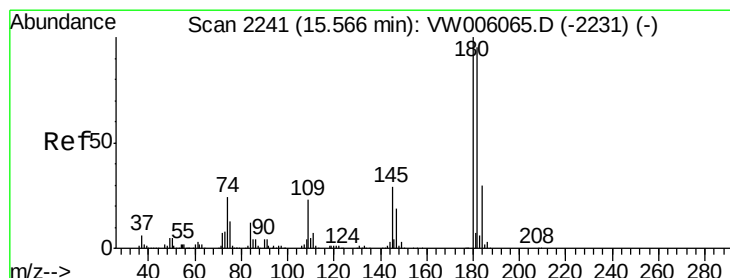
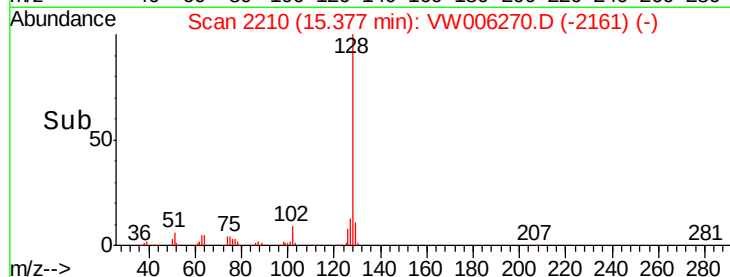
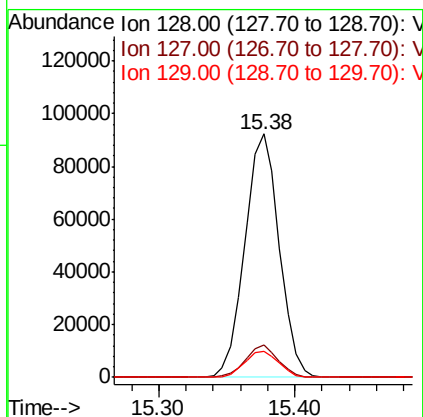
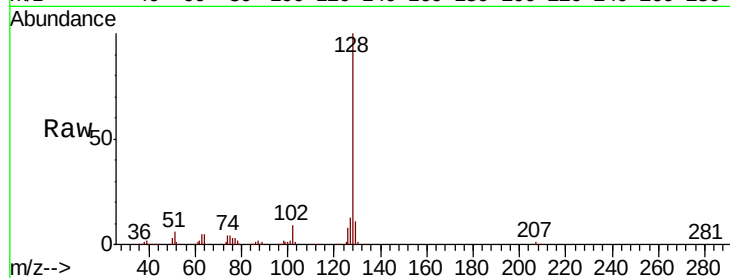
#95
Naphthalene
Concen: 22.605 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW006270.D
Acq: 23 Oct 2018 01:29

Instrument :
MSVOA_W
ClientSampleId :
VW1022SBS02

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.3	15.5
129	10.9	8.7	13.1

Manual Integrations
APPROVED

sam
10/24/2018 5:33:29 PM



#96
1,2,3-Trichlorobenzene
Concen: 22.895 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VW006270.D
Acq: 23 Oct 2018 01:29

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.8	143.3
145	29.5	15.0	45.1

