

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW103118\
 Data File : VW006495.D
 Acq On : 30 Oct 2018 12:25
 Operator : SY/AP
 Sample : VW1031SBSD02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1031SBSD02

Manual Integrations
 APPROVED

MMDadoda
 10/31/2018 12:31:34 PM

Quant Time: Oct 30 14:16:19 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	212741	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	296142	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	271391	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	154406	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	88346	50.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.18%	
35) Dibromofluoromethane	7.88	113	95020	54.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.60%	
50) Toluene-d8	10.32	98	346320	52.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.04%	
62) 4-Bromofluorobenzene	12.62	95	130734	52.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	19245	18.280	ug/l	98
3) Chloromethane	2.21	50	26783	19.764	ug/l	96
4) Vinyl Chloride	2.37	62	40240	20.793	ug/l	97
5) Bromomethane	2.78	94	35245	20.023	ug/l	98
6) Chloroethane	2.93	64	29678	21.399	ug/l	91
7) Trichlorofluoromethane	3.26	101	39852	22.105	ug/l	100
8) Diethyl Ether	3.67	74	20234	21.118	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	42062	22.263	ug/l	99
10) Methyl Iodide	4.26	142	67017	21.311	ug/l	98
11) Tert butyl alcohol	5.22	59	11844	99.849	ug/l #	82
12) 1,1-Dichloroethene	4.03	96	39458	22.198	ug/l	92
13) Acrolein	3.89	56	12209	106.369	ug/l	97
14) Allyl chloride	4.66	41	51125	20.115	ug/l	99
15) Acrylonitrile	5.37	53	39541	115.058	ug/l	99
16) Acetone	4.14	43	47194	135.870	ug/l	100
17) Carbon Disulfide	4.38	76	96559	17.999	ug/l	99
18) Methyl Acetate	4.68	43	20264	22.830	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	57400	21.202	ug/l	99
20) Methylene Chloride	4.91	84	43923	22.645	ug/l	93
21) trans-1,2-Dichloroethene	5.42	96	44102	22.228	ug/l	96
22) Diisopropyl ether	6.31	45	105655	21.036	ug/l	96
23) Vinyl Acetate	6.26	43	305303	103.002	ug/l	99
24) 1,1-Dichloroethane	6.21	63	71162	21.958	ug/l	100
25) 2-Butanone	7.18	43	59889	125.693	ug/l	100
26) 2,2-Dichloropropane	7.17	77	49611	21.704	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	49795	22.743	ug/l	98
28) Bromochloromethane	7.51	49	24934	19.929	ug/l	90
29) Tetrahydrofuran	7.54	42	31762	108.448	ug/l	96
30) Chloroform	7.68	83	81206	22.999	ug/l	97
31) Cyclohexane	7.96	56	64295	19.922	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	69369	21.779	ug/l	100
36) 1,1-Dichloropropene	8.08	75	63770	23.362	ug/l	99
37) Ethyl Acetate	7.26	43	23639	23.309	ug/l	100
38) Carbon Tetrachloride	8.07	117	66568	22.246	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	78968	21.764	ug/l	98
40) Benzene	8.32	78	173835	23.217	ug/l	100
41) Methacrylonitrile	7.49	41	13239	21.655	ug/l	94
42) 1,2-Dichloroethane	8.40	62	51458	23.392	ug/l	99
43) Isopropyl Acetate	8.43	43	44368	21.397	ug/l	98
44) Trichloroethene	9.09	130	54474	23.714	ug/l	98
45) 1,2-Dichloropropane	9.37	63	41135	22.959	ug/l	99
46) Dibromomethane	9.46	93	23982	23.484	ug/l	98
47) Bromodichloromethane	9.65	83	54841	22.151	ug/l	98
48) Methyl methacrylate	9.44	41	21386	21.758	ug/l	95
49) 1,4-Dioxane	9.48	88	7196	457.736	ug/l #	97
51) 4-Methyl-2-Pentanone	10.21	43	119994	115.497	ug/l	98
52) Toluene	10.39	92	115983	23.105	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	53783	21.803	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	63268	22.348	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	34802	24.353	ug/l	97
56) Ethyl methacrylate	10.65	69	39518	22.557	ug/l	96
57) 1,3-Dichloropropane	10.93	76	55958	23.655	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	82126	122.683	ug/l	98
59) 2-Hexanone	10.98	43	90225	121.657	ug/l	98
60) Dibromochloromethane	11.13	129	40021	22.484	ug/l	99
61) 1,2-Dibromoethane	11.24	107	34203	23.954	ug/l	100
64) Tetrachloroethene	10.87	164	49619	23.552	ug/l	95
65) Chlorobenzene	11.66	112	138810	23.893	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	47703	23.105	ug/l	100
67) Ethyl Benzene	11.73	91	233176	23.159	ug/l	100
68) m/p-Xylenes	11.84	106	185944	46.725	ug/l	99
69) o-Xylene	12.17	106	86631	22.842	ug/l	99
70) Styrene	12.18	104	140865	22.841	ug/l	99
71) Bromoform	12.35	173	24939	21.656	ug/l #	99
73) Isopropylbenzene	12.47	105	245508	22.506	ug/l	99
74) N-amyl acetate	12.28	43	43578	20.568	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.72	83	39592	23.863	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	24058m	20.399	ug/l	
77) Bromobenzene	12.75	156	62216	23.286	ug/l	97
78) n-propylbenzene	12.81	91	288667	22.746	ug/l	99
79) 2-Chlorotoluene	12.90	91	161523	22.652	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	204732	22.263	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.52	75	10223	20.721	ug/l	97
82) 4-Chlorotoluene	12.99	91	170490	22.825	ug/l	100
83) tert-Butylbenzene	13.21	119	185456	22.541	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	210344	22.604	ug/l	100
85) sec-Butylbenzene	13.39	105	266484	22.926	ug/l	100
86) p-Isopropyltoluene	13.51	119	241420	22.963	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	125202	23.546	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	123628	23.351	ug/l	100
89) n-Butylbenzene	13.83	91	218057	22.679	ug/l	99
90) Hexachloroethane	14.10	117	38199	21.450	ug/l	96
91) 1,2-Dichlorobenzene	13.88	146	110017	23.195	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	6375	21.461	ug/l	94

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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	85032	23.300	ug/l	100
94) Hexachlorobutadiene	15.24	225	53753	23.447	ug/l	100
95) Naphthalene	15.38	128	134217	22.108	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	74036	23.454	ug/l	100

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

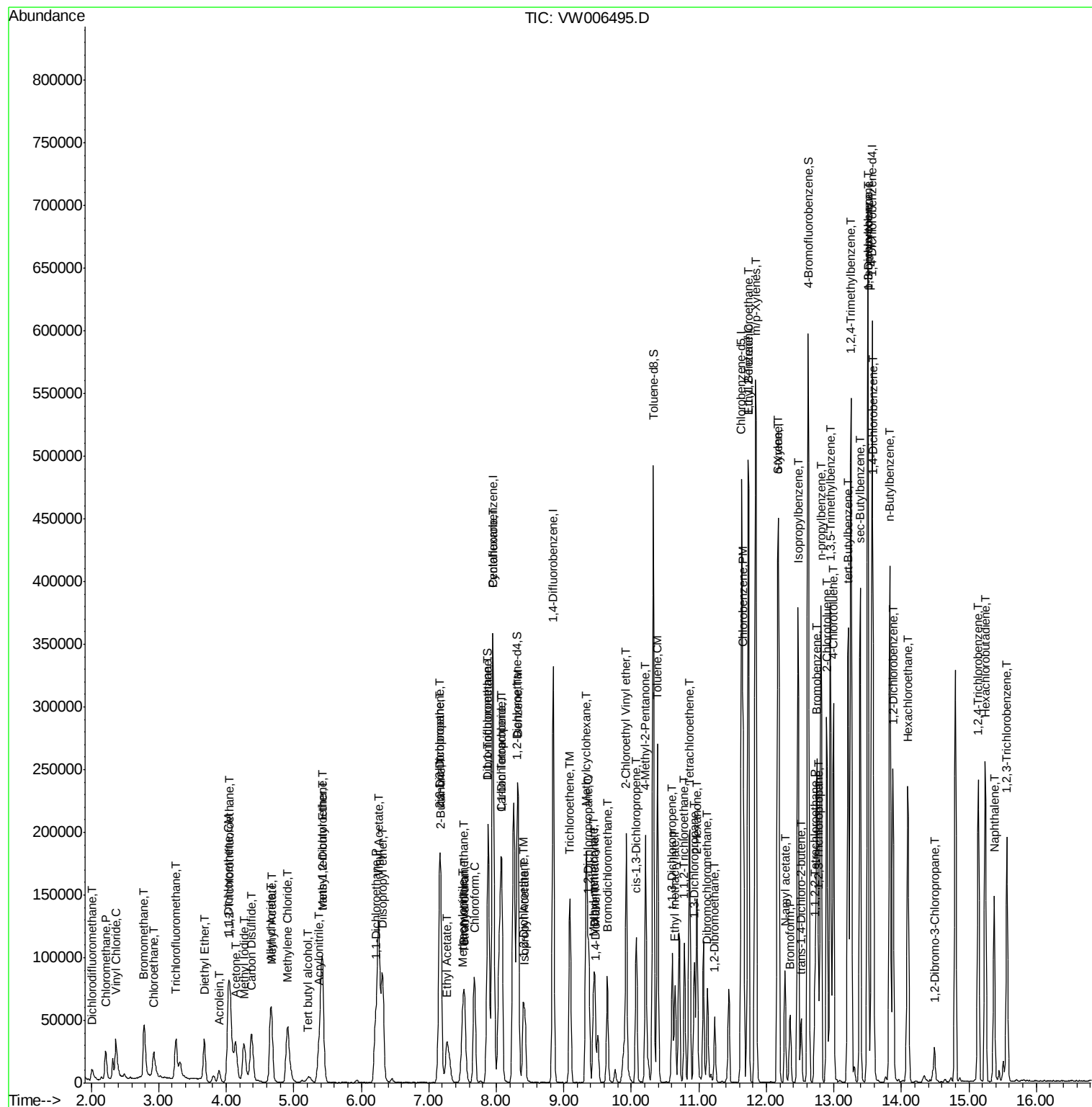
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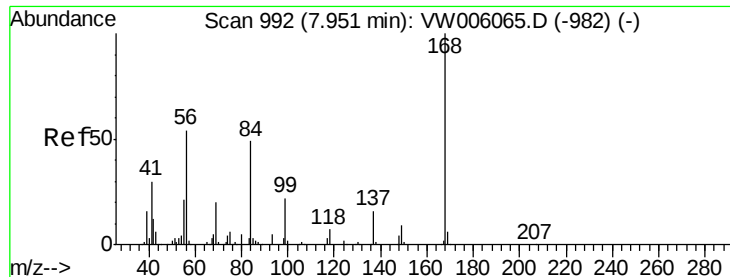
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1031SBSD02

Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW006495.D

Acq: 30 Oct 2018 12:25

Instrument :

MSVOA_W

ClientSampleId :

VW1031SBS02

Tot Ion:168 Resp: 212741

Ion Ratio Lower Upper

168 100

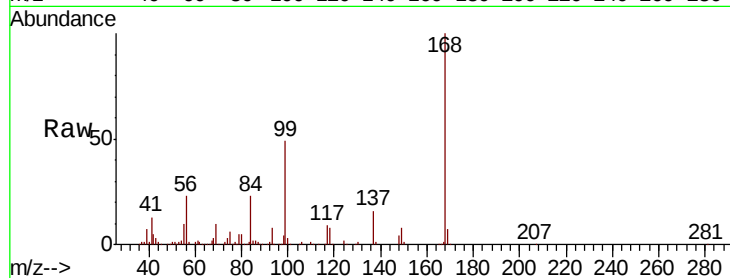
99 48.8 39.9 59.9

Manual Integrations

APPROVED

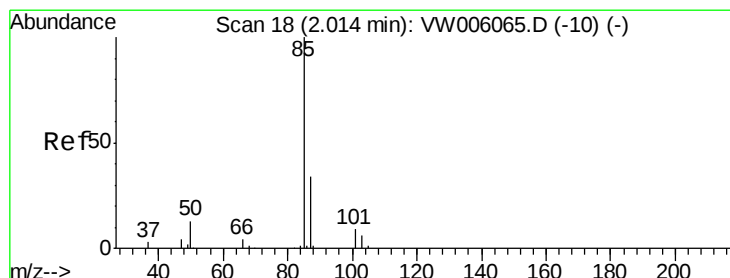
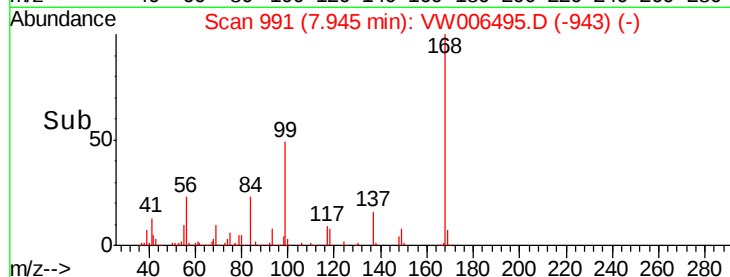
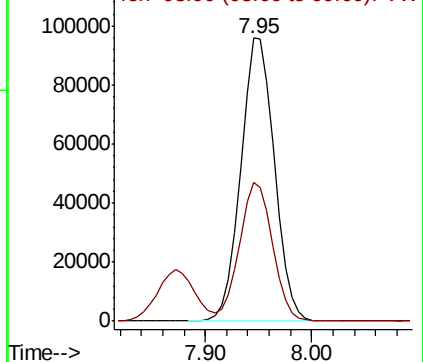
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 18.280 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW006495.D

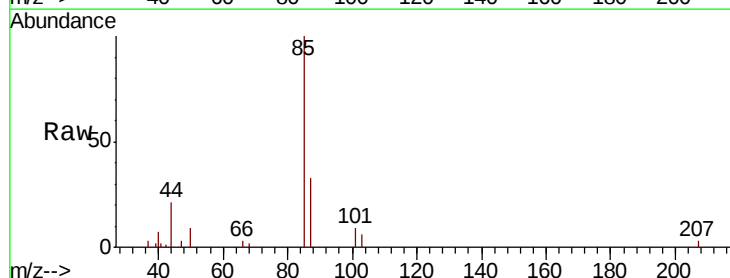
Acq: 30 Oct 2018 12:25

Tgt Ion: 85 Resp: 19245

Ion Ratio Lower Upper

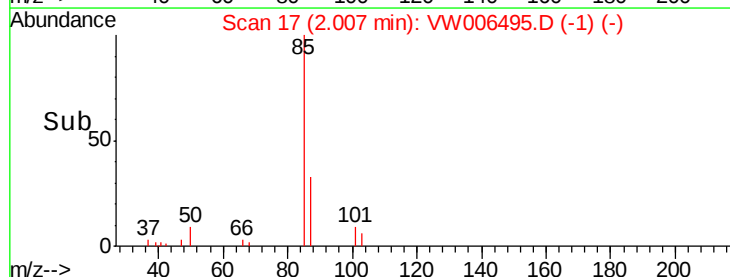
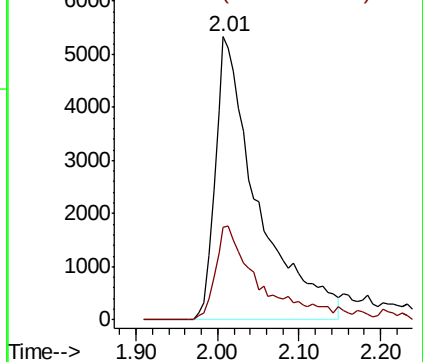
85 100

87 32.5 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: 19.764 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW006495.D

Acq: 30 Oct 2018 12:25

Instrument :

MSVOA_W

ClientSampleId :

VW1031SBS02

Tot Ion: 50 Resp: 26783

Ion Ratio Lower Upper

50 100

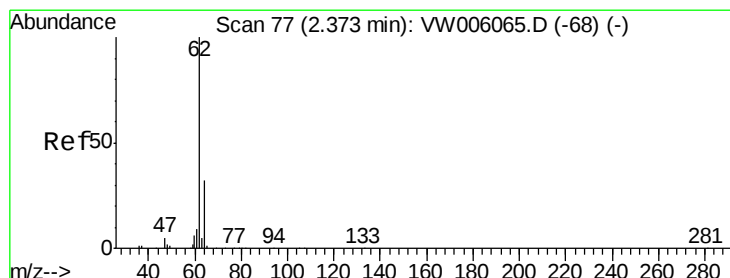
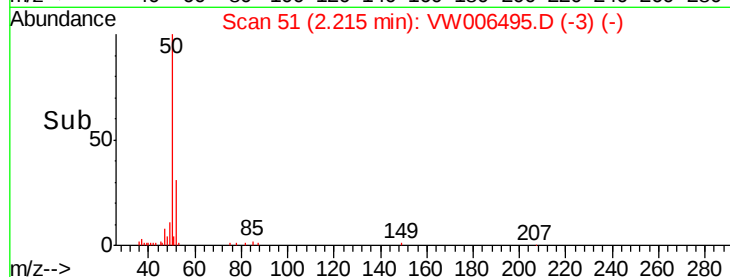
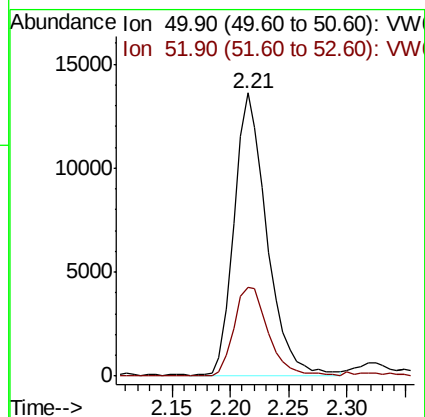
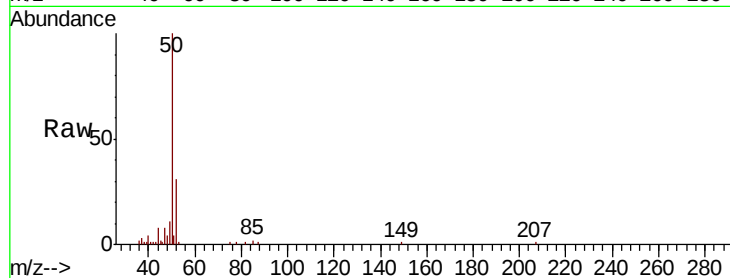
52 31.4 26.8 40.2

Manual Integrations

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10/31/2018 12:31:34 PM



#4

Vinyl Chloride

Concen: 20.793 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.01 min

Lab File: VW006495.D

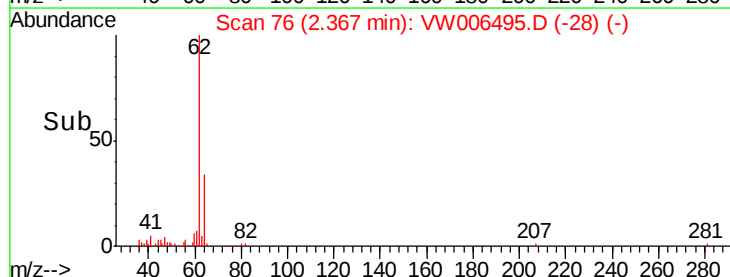
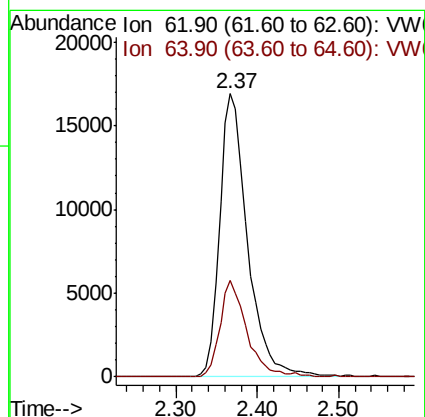
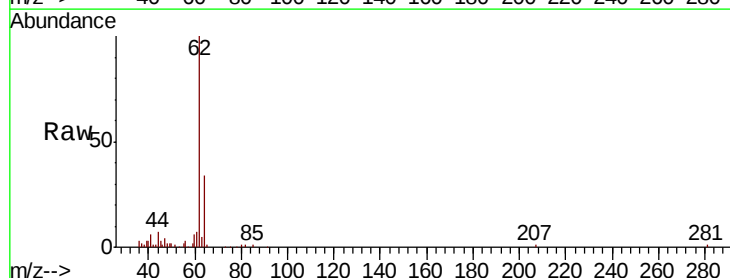
Acq: 30 Oct 2018 12:25

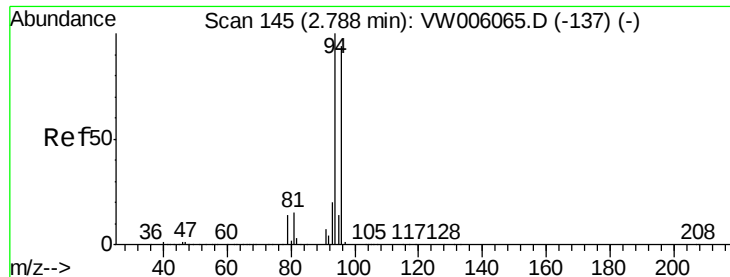
Tgt Ion: 62 Resp: 40240

Ion Ratio Lower Upper

62 100

64 34.3 25.9 38.9





#5

Bromomethane

Concen: 20.023 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.01 min

Lab File: VW006495.D

Acq: 30 Oct 2018 12:25

Instrument :

MSVOA_W

ClientSampleId :

VW1031SBS02

Tot Ion: 94 Resp: 35245

Ion Ratio Lower Upper

94 100

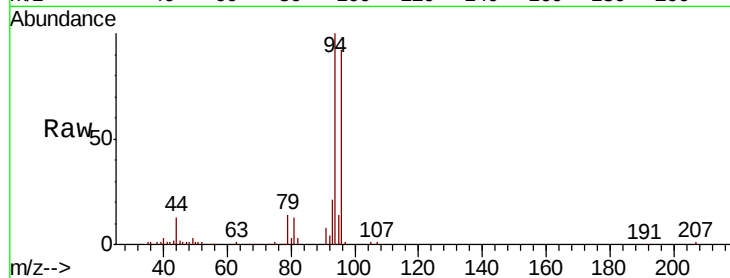
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Manual Integrations

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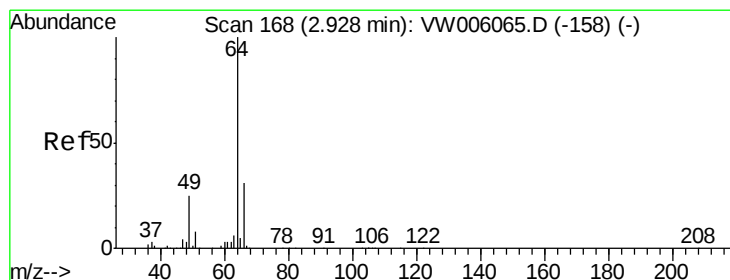
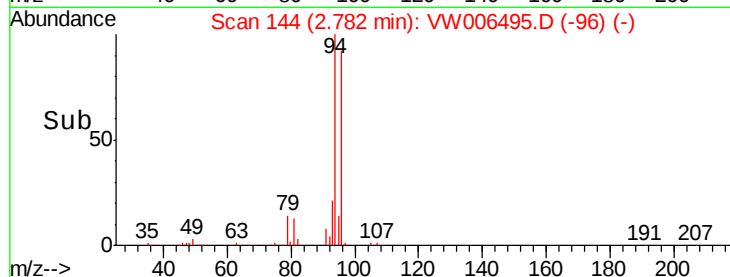
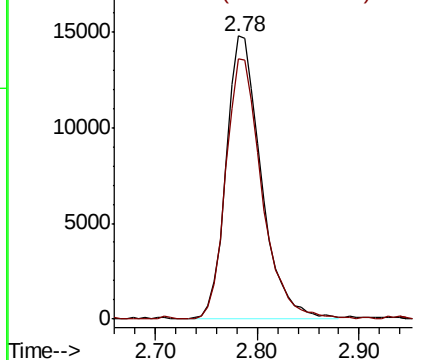
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Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 21.399 ug/l

RT: 2.93 min Scan# 168

Delta R.T. -0.00 min

Lab File: VW006495.D

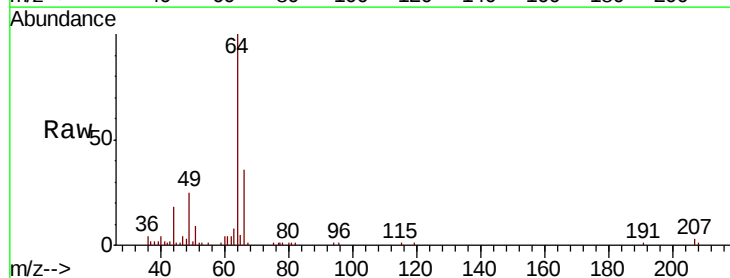
Acq: 30 Oct 2018 12:25

Tgt Ion: 64 Resp: 29678

Ion Ratio Lower Upper

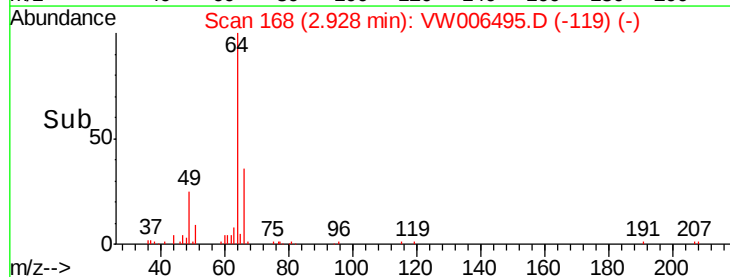
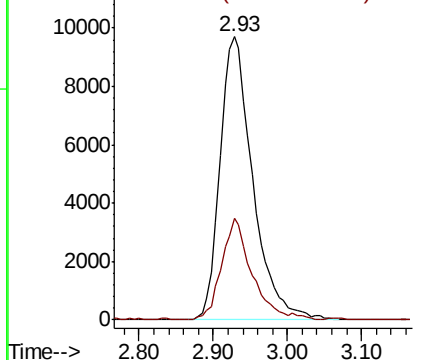
64 100

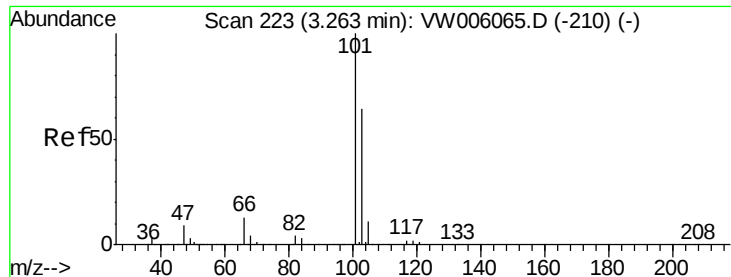
66 36.0 24.9 37.3



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW





#7

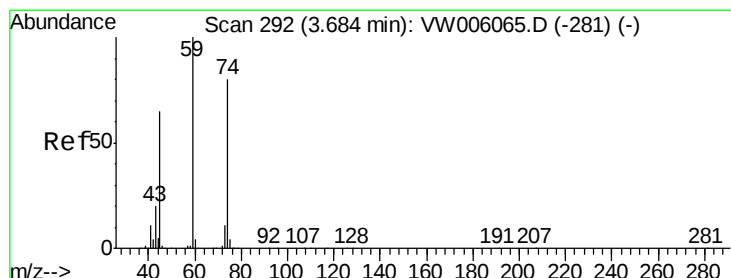
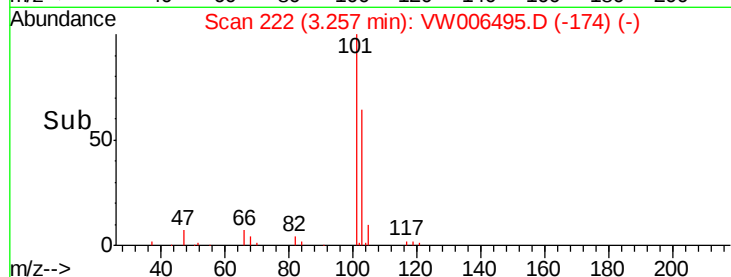
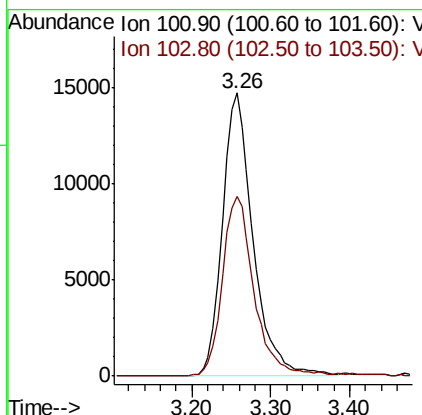
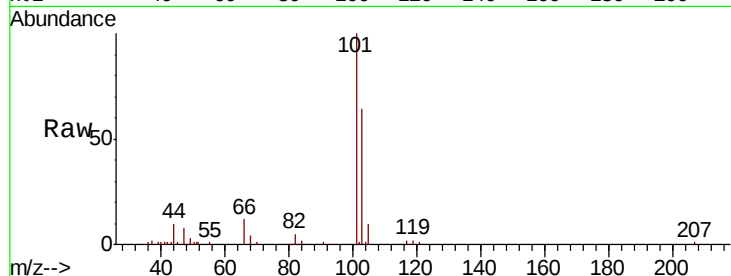
Trichlorofluoromethane
Concen: 22.105 ug/l
RT: 3.26 min Scan# 222
Delta R.T. -0.01 min
Lab File: VW006495.D
Acq: 30 Oct 2018 12:25

Instrument :
MSVOA_W
ClientSampleId :
VW1031SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
101	100	39852		
103	63.6	51.2	76.8	

Manual Integrations
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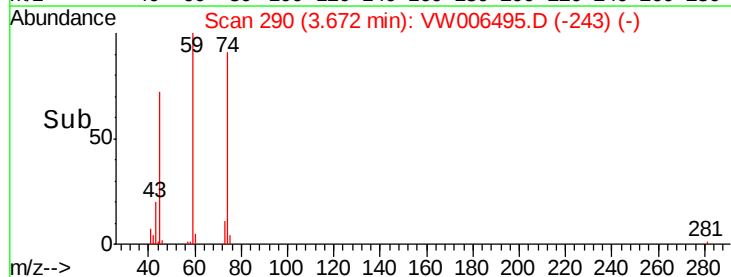
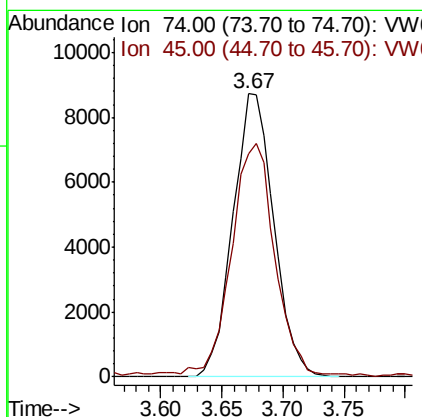
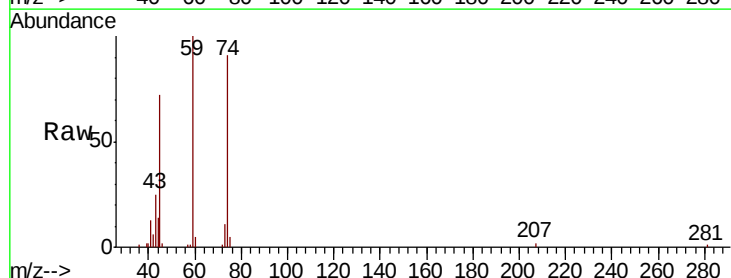
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10/31/2018 12:31:34 PM



#8

Diethyl Ether
Concen: 21.118 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.01 min
Lab File: VW006495.D
Acq: 30 Oct 2018 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	20234		
45	84.9	42.8	128.3	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.263 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW006495.D

Acq: 30 Oct 2018 12:25

Instrument :

MSVOA_W

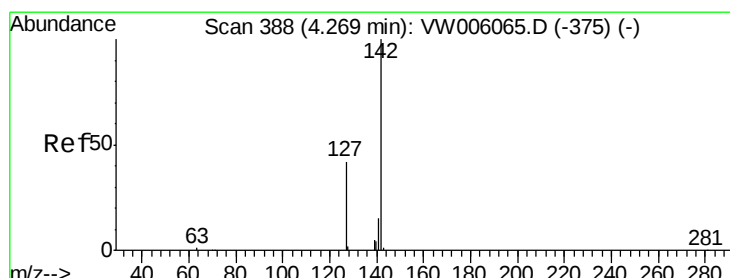
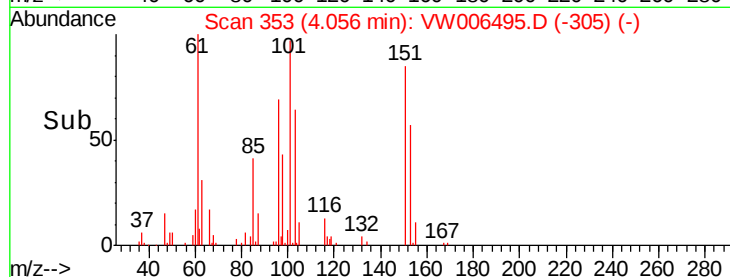
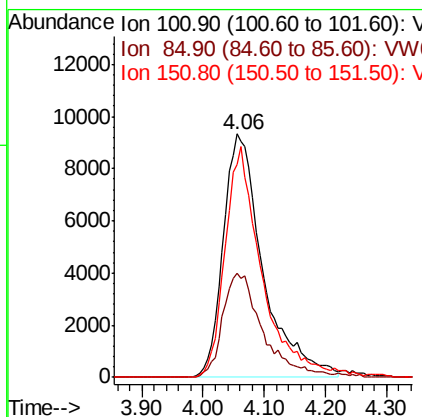
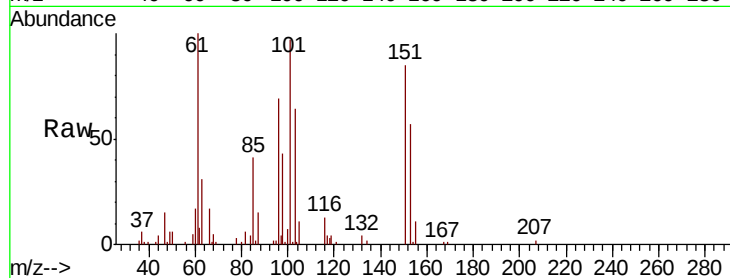
ClientSampleId :

VW1031SBS02

Tot Ion:	101	Resp:	42062
Ion Ratio	Lower	Upper	
101	100		
85	43.6	34.9	52.3
151	86.6	70.4	105.6

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#10

Methyl Iodide

Concen: 21.311 ug/l

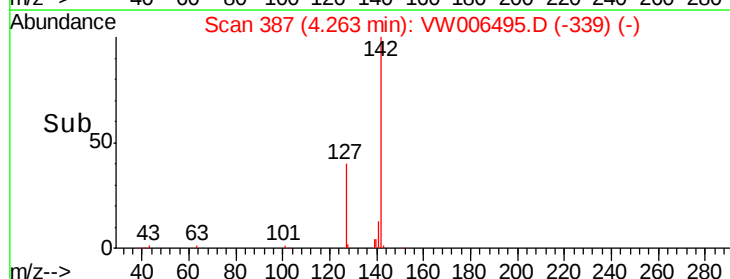
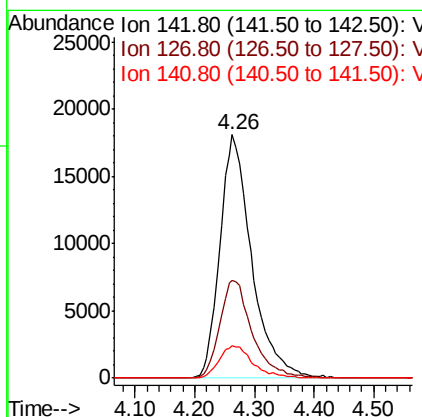
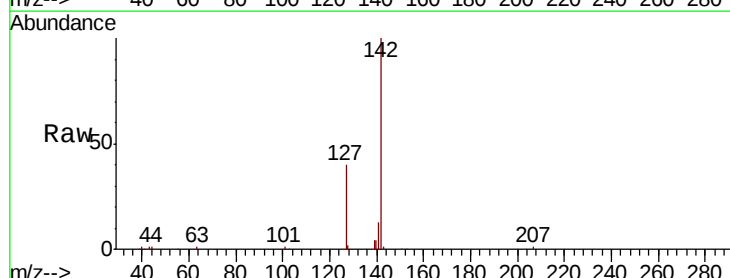
RT: 4.26 min Scan# 387

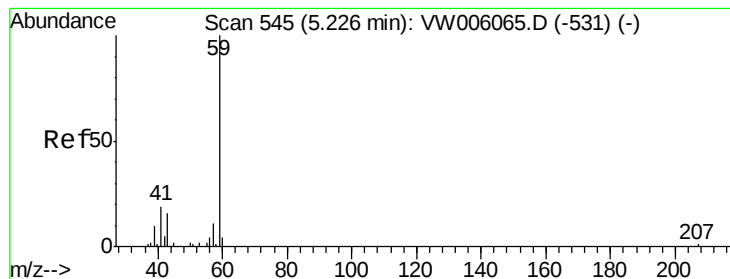
Delta R.T. -0.01 min

Lab File: VW006495.D

Acq: 30 Oct 2018 12:25

Tgt Ion:	142	Resp:	67017
Ion Ratio	Lower	Upper	
142	100		
127	41.0	33.6	50.4
141	13.9	11.6	17.4





#11

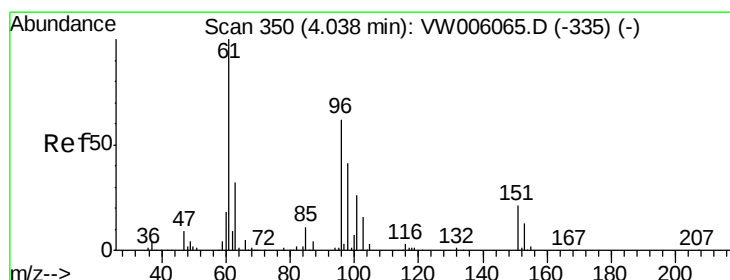
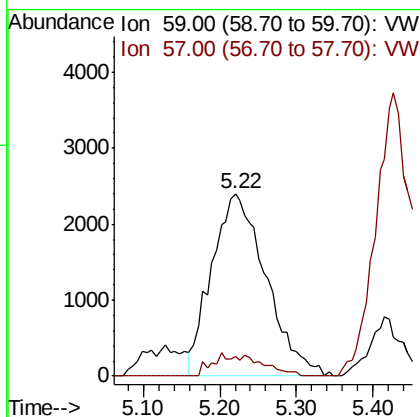
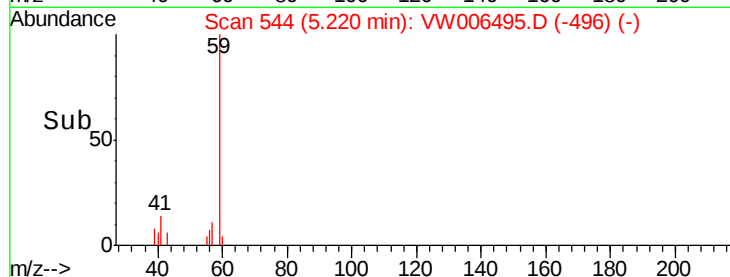
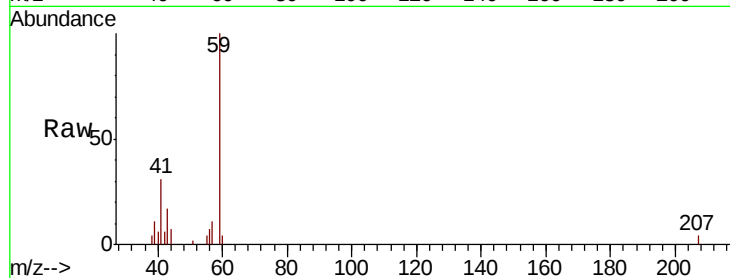
Tert butyl alcohol
 Concen: 99.849 ug/l
 RT: 5.22 min Scan# 544
 Delta R.T. -0.01 min
 Lab File: VW006495.D
 Acq: 30 Oct 2018 12:25

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1031SBS02

Tot Ion: 59 Resp: 11844
 Ion Ratio Lower Upper
 59 100
 57 4.2 8.7 13.1#

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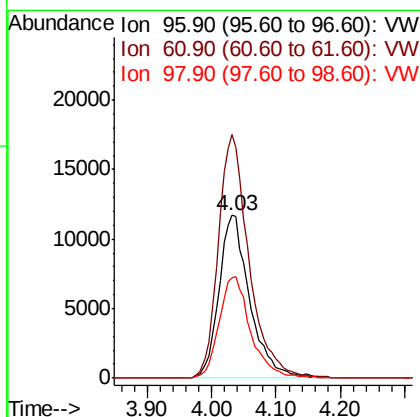
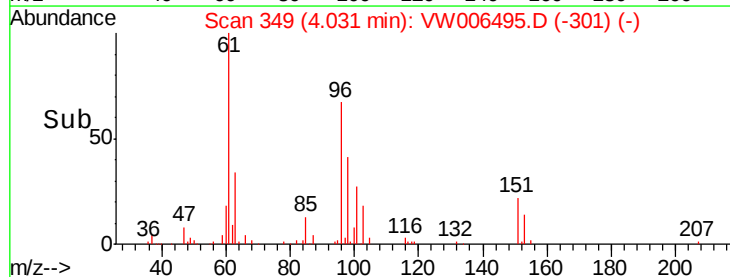
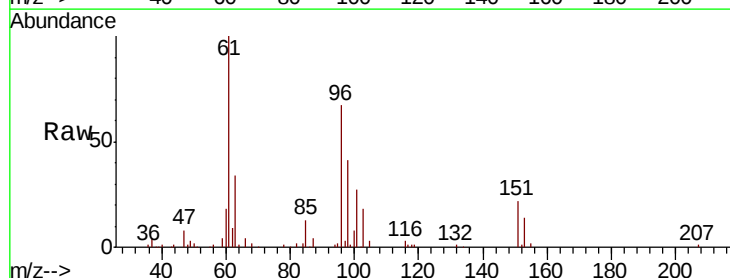
MMDadoda
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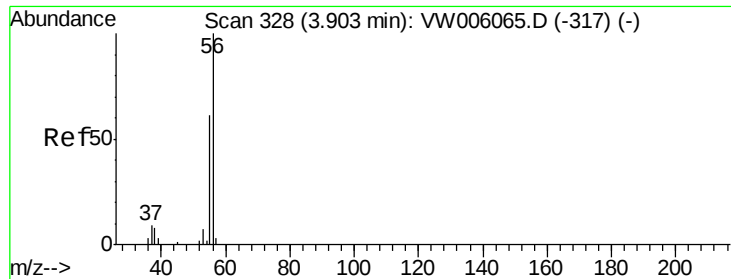


#12

1,1-Dichloroethene
 Concen: 22.198 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW006495.D
 Acq: 30 Oct 2018 12:25

Tgt Ion: 96 Resp: 39458
 Ion Ratio Lower Upper
 96 100
 61 149.6 129.3 193.9
 98 61.9 53.1 79.7





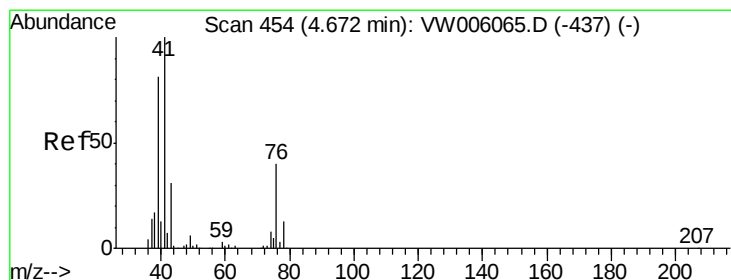
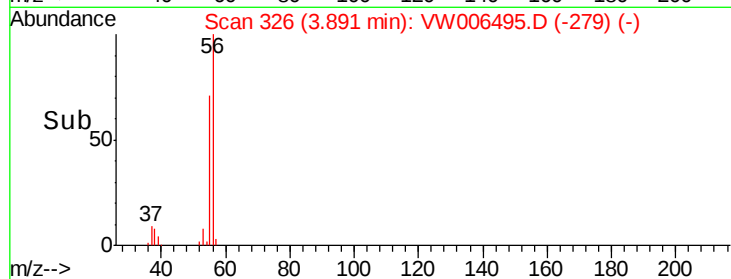
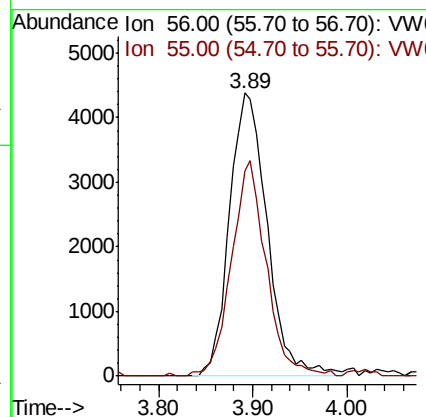
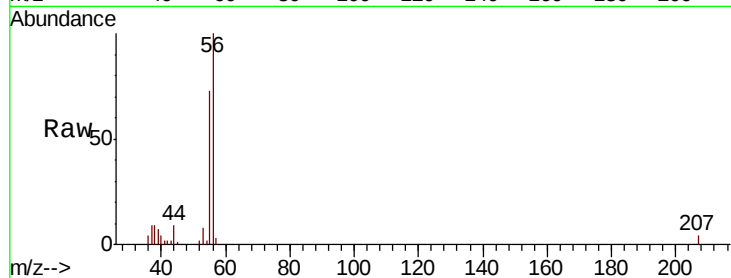
#13
Acrolein
Concen: 106.369 ug/l
RT: 3.89 min Scan# 326
Delta R.T. -0.01 min
Lab File: VW006495.D
Acq: 30 Oct 2018 12:25

Instrument :
MSVOA_W
ClientSampleId :
VW1031SBS02

Tot Ion	56	Resp	12209
Ion Ratio	100	Lower	Upper
56	100		
55	70.4	54.5	81.7

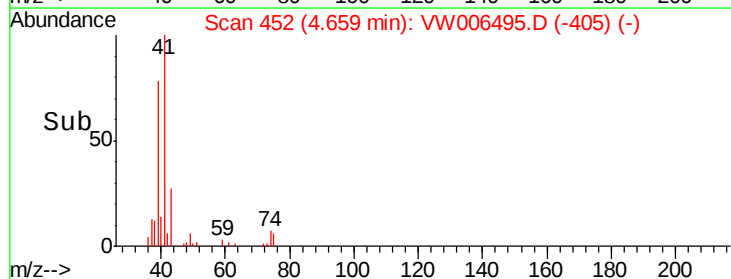
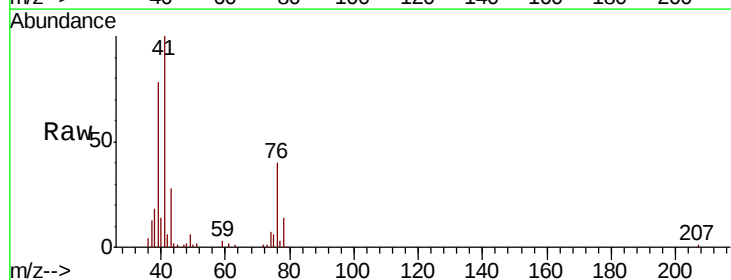
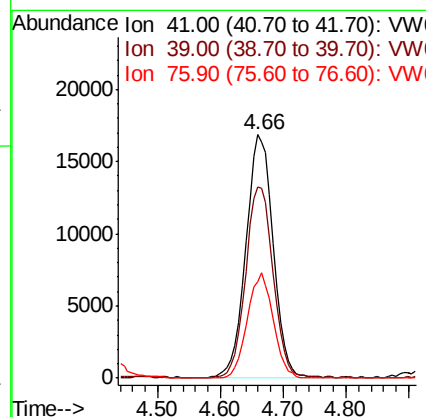
Manual Integrations
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#14
Allyl chloride
Concen: 20.115 ug/l
RT: 4.66 min Scan# 452
Delta R.T. -0.01 min
Lab File: VW006495.D
Acq: 30 Oct 2018 12:25

Tgt Ion	41	Resp	51125
Ion Ratio	100	Lower	Upper
41	100		
39	78.8	64.1	96.1
76	40.6	32.2	48.4





#15

Acrylonitrile

Concen: 115.058 ug/l

RT: 5.37 min Scan# 569

Delta R.T. -0.01 min

Lab File: VW006495.D

Acq: 30 Oct 2018 12:25

Instrument :

MSVOA_W

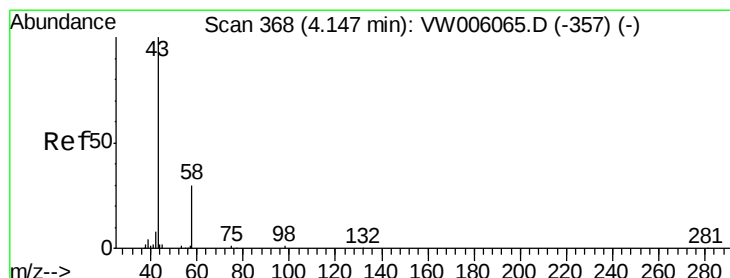
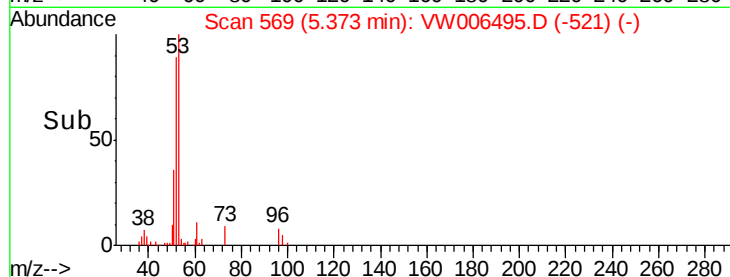
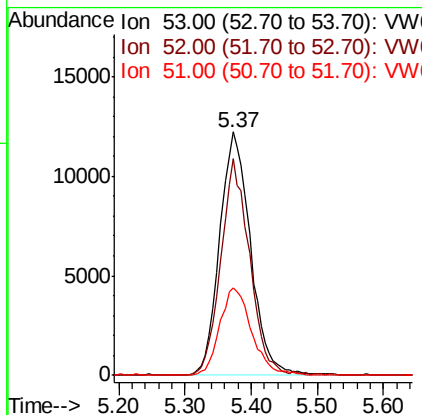
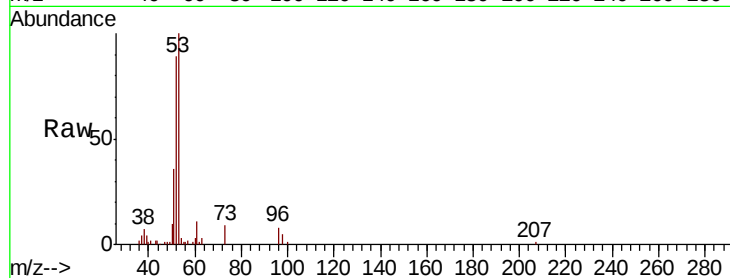
ClientSampleId :

VW1031SBS02

Tot Ion:	53	Resp:	39541
Ion Ratio	Lower	Upper	
53	100		
52	82.3	66.9	100.3
51	37.2	30.1	45.1

Manual Integrations
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#16

Acetone

Concen: 135.870 ug/l

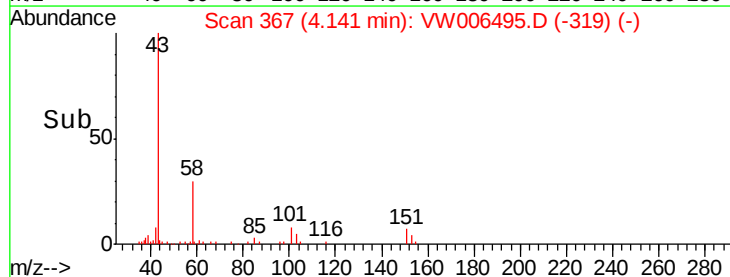
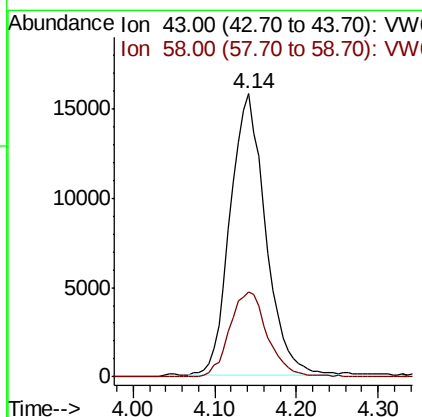
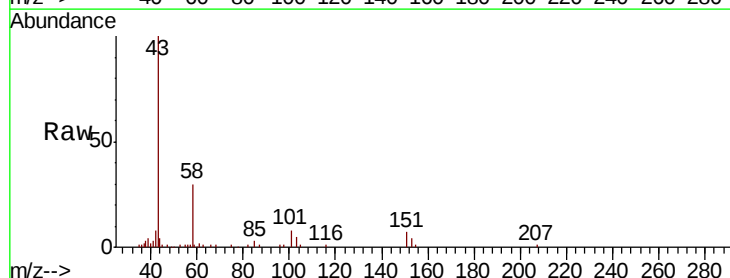
RT: 4.14 min Scan# 367

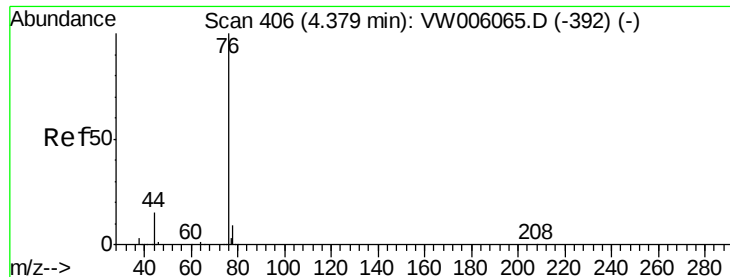
Delta R.T. -0.01 min

Lab File: VW006495.D

Acq: 30 Oct 2018 12:25

Tgt Ion:	43	Resp:	47194
Ion Ratio	Lower	Upper	
43	100		
58	30.2	24.0	36.0





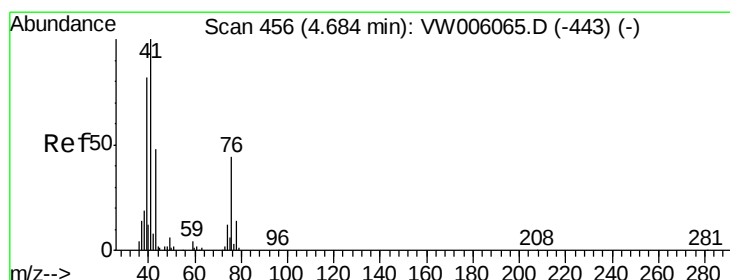
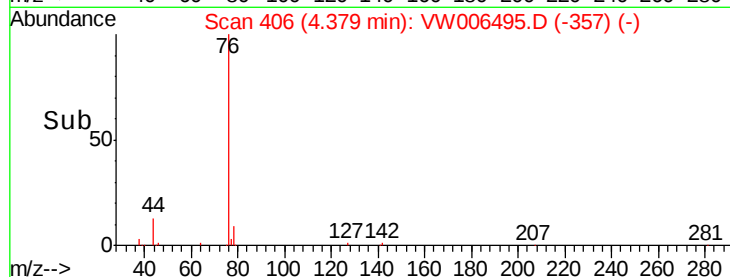
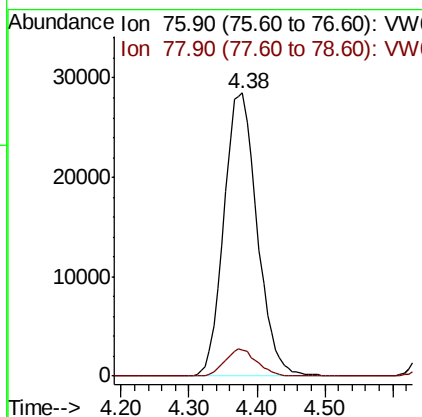
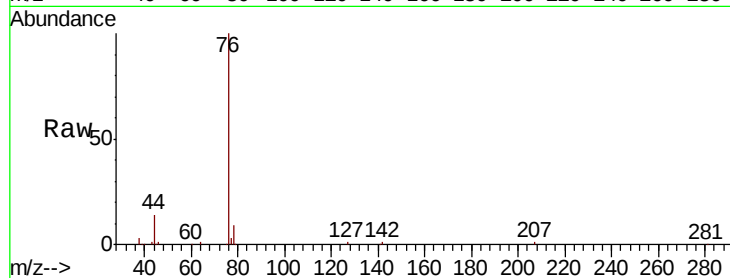
#17
Carbon Disulfide
Concen: 17.999 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.00 min
Lab File: VW006495.D
Acq: 30 Oct 2018 12:25

Instrument :
MSVOA_W
ClientSampleId :
VW1031SBSD02

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.5	11.3

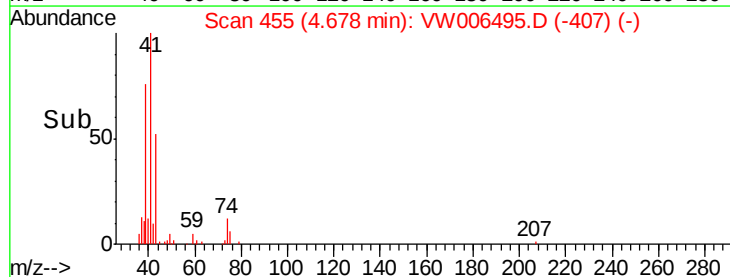
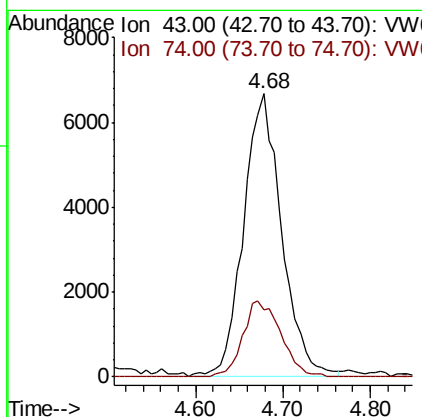
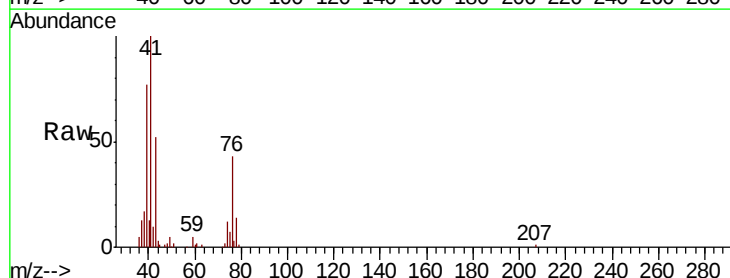
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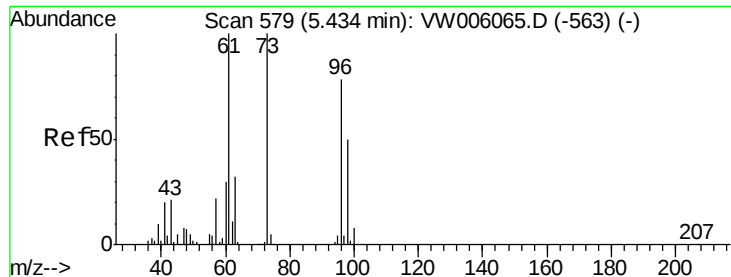
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#18
Methyl Acetate
Concen: 22.830 ug/l
RT: 4.68 min Scan# 455
Delta R.T. -0.01 min
Lab File: VW006495.D
Acq: 30 Oct 2018 12:25

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.8	20.5	30.7





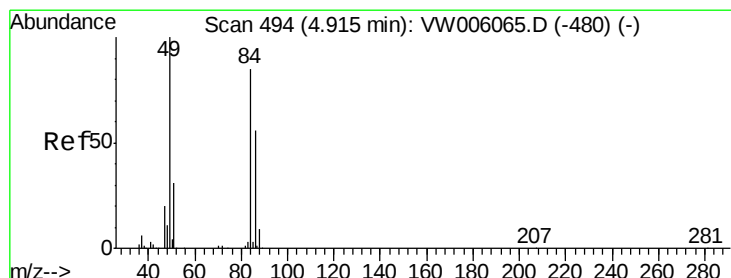
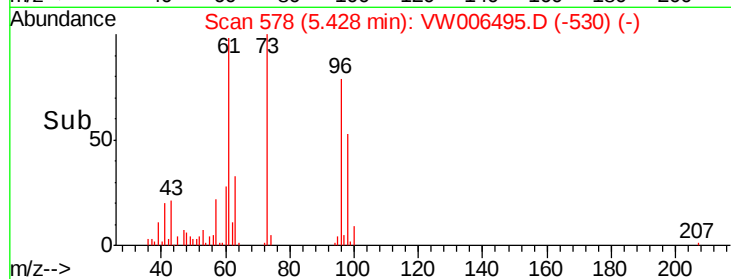
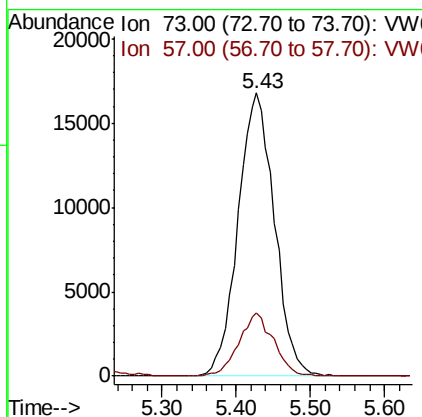
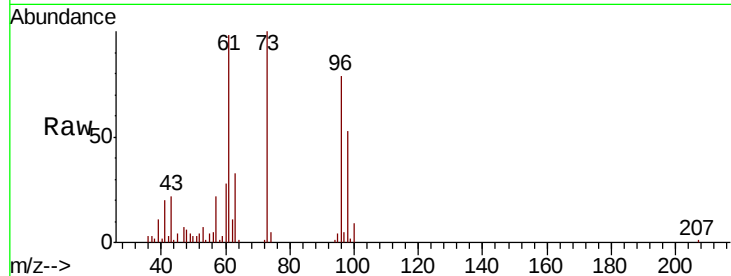
#19
Methyl tert-butyl Ether
Concen: 21.202 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.01 min
Lab File: VW006495.D
Acq: 30 Oct 2018 12:25

Instrument :
MSVOA_W
ClientSampleId :
VW1031SBS02

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.2	17.4	26.2

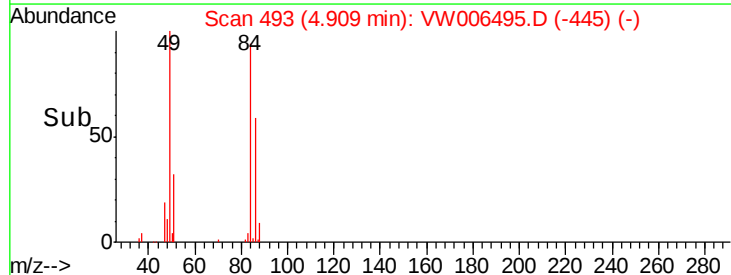
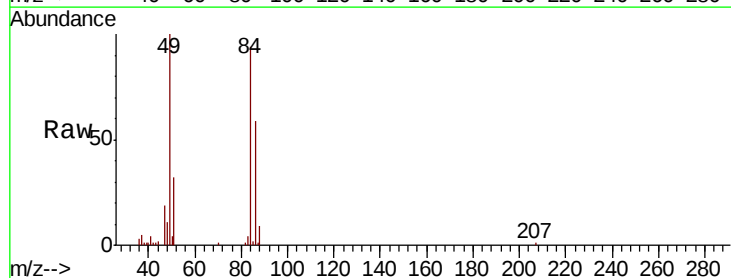
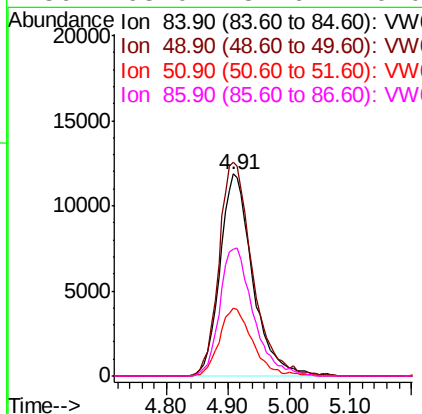
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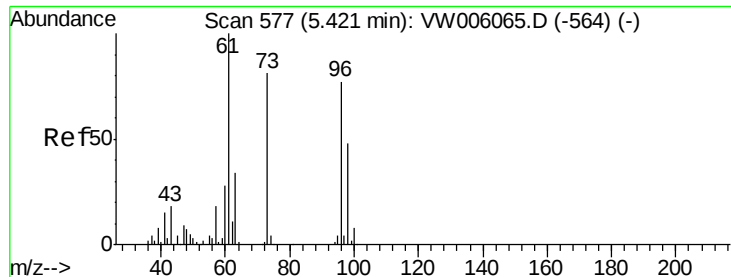
MMDadoda
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#20
Methylene Chloride
Concen: 22.645 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW006495.D
Acq: 30 Oct 2018 12:25

Tgt Ion	Ratio	Lower	Upper
84	100		
49	105.9	93.6	140.4
51	33.5	29.0	43.4
86	63.0	52.6	79.0





#21

trans-1,2-Dichloroethene

Concen: 22.228 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW006495.D

Acq: 30 Oct 2018 12:25

Instrument :

MSVOA_W

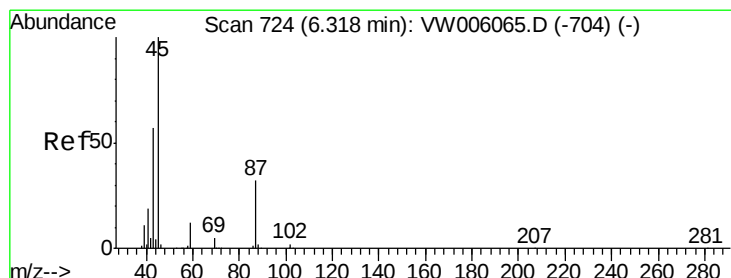
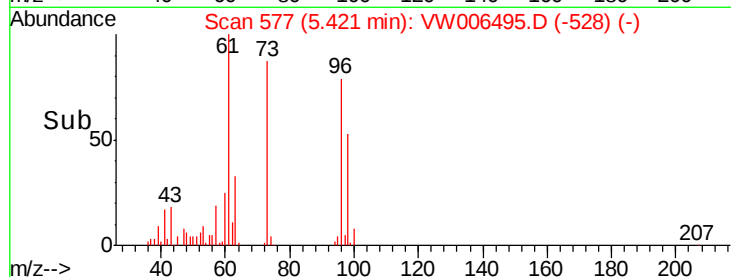
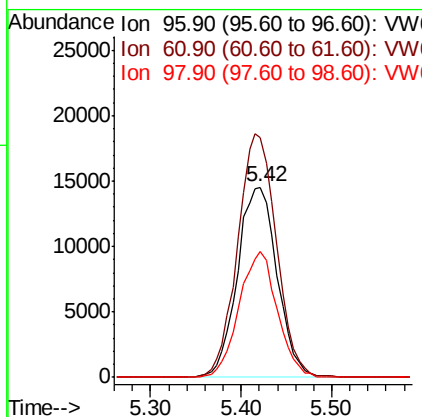
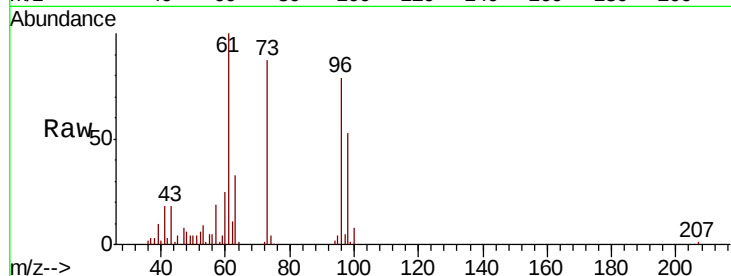
ClientSampleId :

VW1031SBS02

Tot Ion:	96	Resp:	44102
Ion	Ratio	Lower	Upper
96	100		
61	126.4	104.5	156.7
98	66.5	50.6	75.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 21.036 ug/l

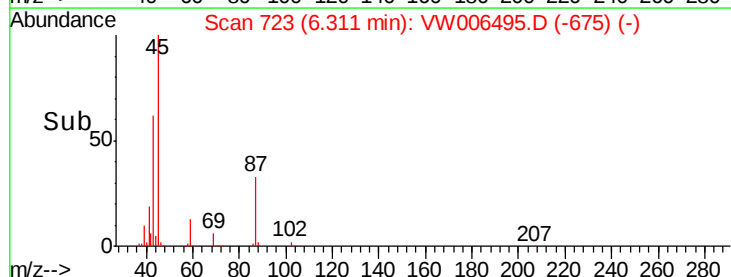
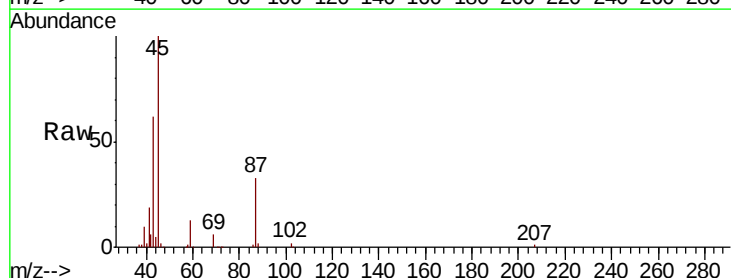
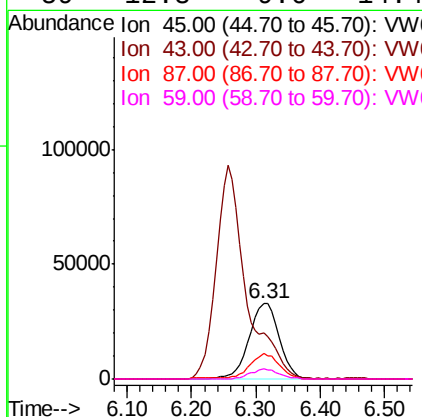
RT: 6.31 min Scan# 723

Delta R.T. -0.01 min

Lab File: VW006495.D

Acq: 30 Oct 2018 12:25

Tgt Ion:	45	Resp:	105655
Ion	Ratio	Lower	Upper
45	100		
43	61.1	45.7	68.5
87	33.5	25.9	38.9
59	12.8	9.6	14.4





#23

Vinyl Acetate

Concen: 103.002 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.01 min

Lab File: VW006495.D

Acq: 30 Oct 2018 12:25

Instrument :

MSVOA_W

ClientSampleId :

VW1031SBS02

Tot Ion: 43 Resp: 305303

Ion Ratio Lower Upper

43 100

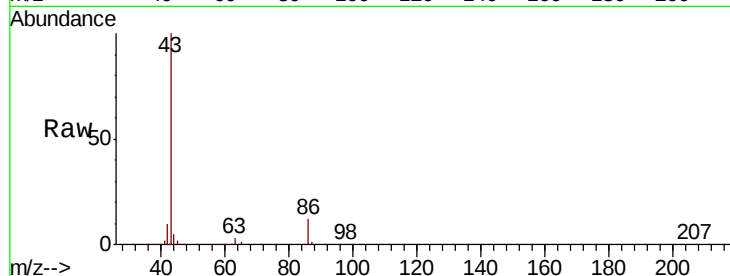
86 11.7 9.0 13.6

Manual Integrations

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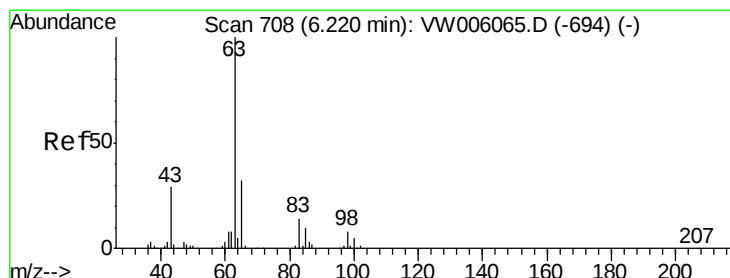
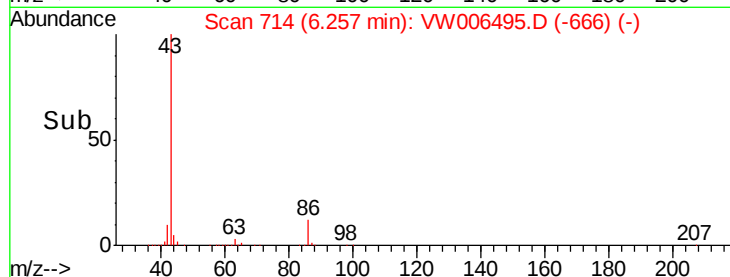
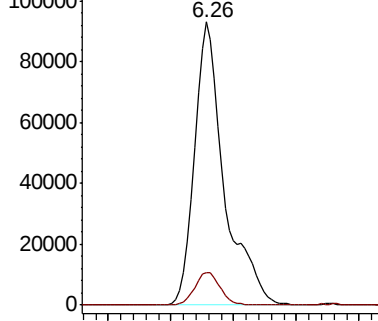
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 21.958 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW006495.D

Acq: 30 Oct 2018 12:25

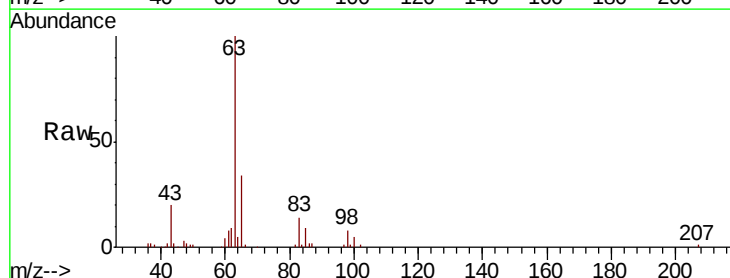
Tgt Ion: 63 Resp: 71162

Ion Ratio Lower Upper

63 100

98 7.6 3.8 11.2

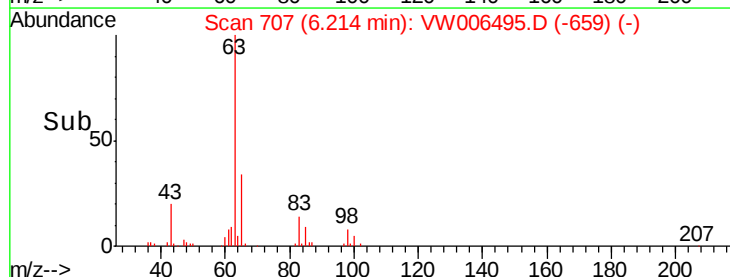
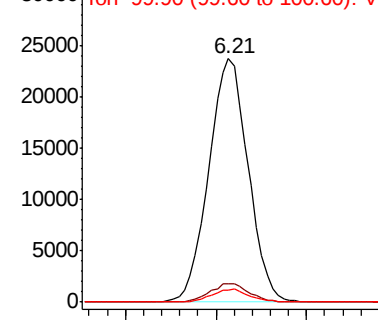
100 5.1 2.5 7.5



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





#25

2-Butanone

Concen: 125.693 ug/l

RT: 7.18 min Scan# 866

Delta R.T. -0.00 min

Lab File: VW006495.D

Acq: 30 Oct 2018 12:25

Instrument :

MSVOA_W

ClientSampleId :

VW1031SBS02

Tot Ion: 43 Resp: 59889

Ion Ratio Lower Upper

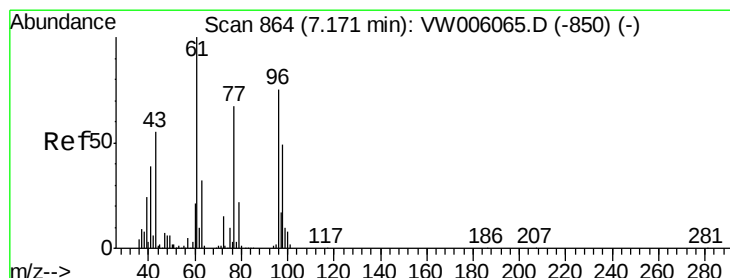
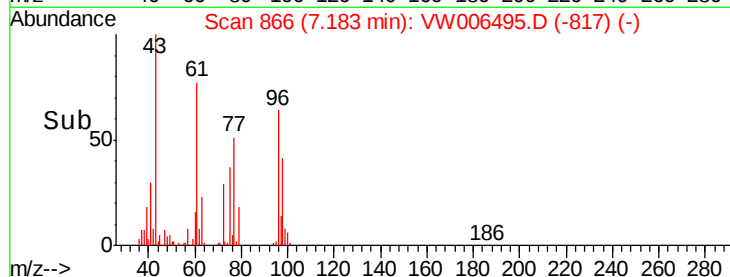
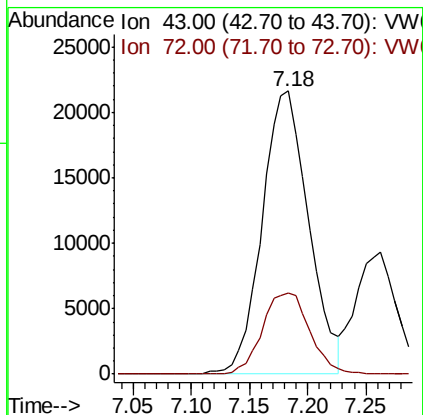
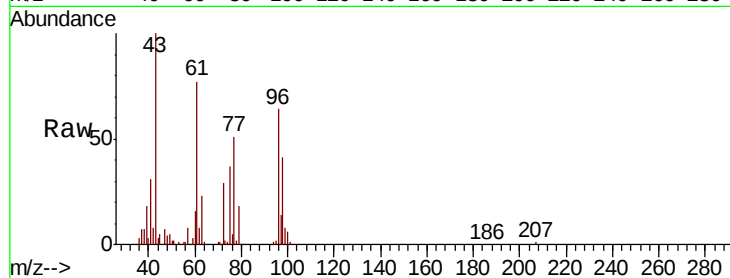
43 100

72 28.6 22.8 34.2

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 21.704 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW006495.D

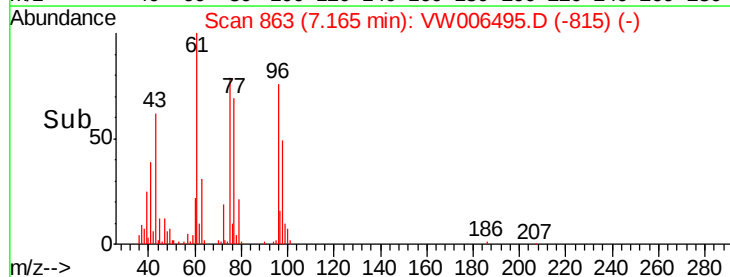
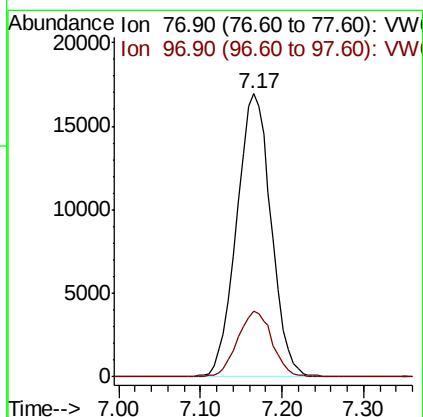
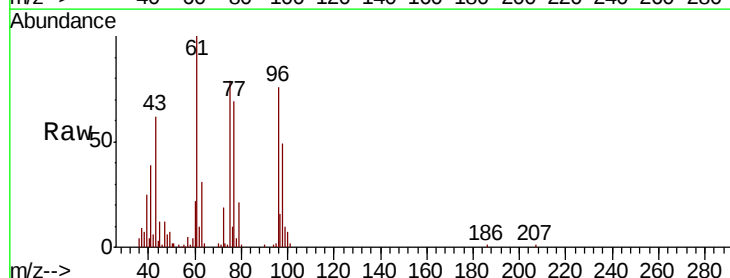
Acq: 30 Oct 2018 12:25

Tgt Ion: 77 Resp: 49611

Ion Ratio Lower Upper

77 100

97 23.1 12.2 36.4





#27

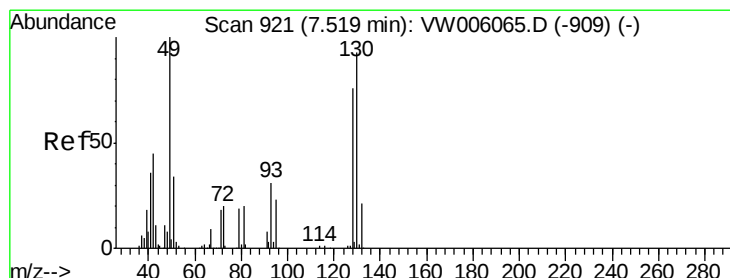
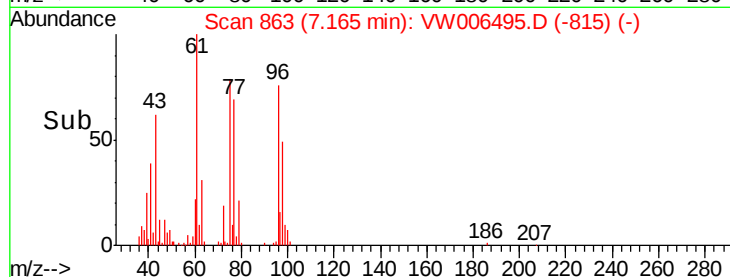
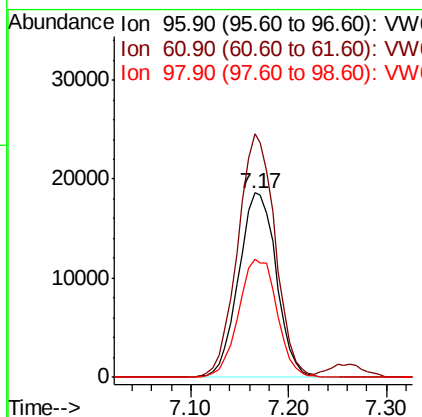
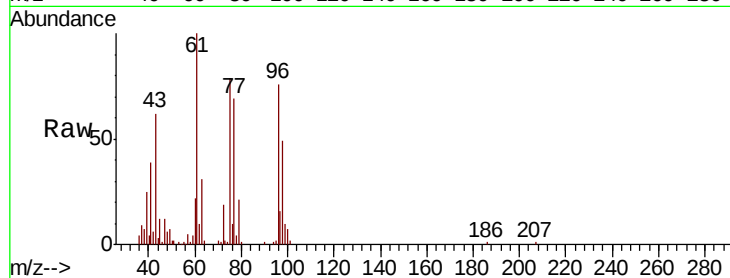
cis-1,2-Dichloroethene
Concen: 22.743 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW006495.D
Acq: 30 Oct 2018 12:25

Instrument :
MSVOA_W
ClientSampleId :
VW1031SBS02

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	131.1	0.0	267.2	
98	65.2	0.0	128.6	

Manual Integrations
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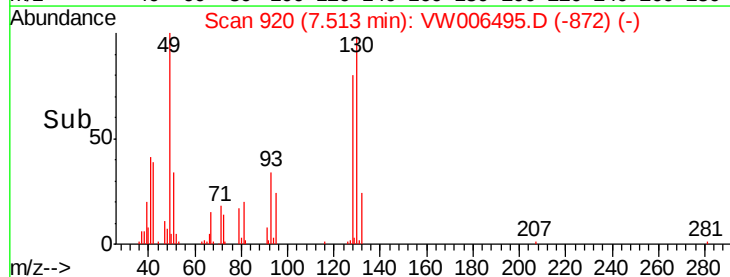
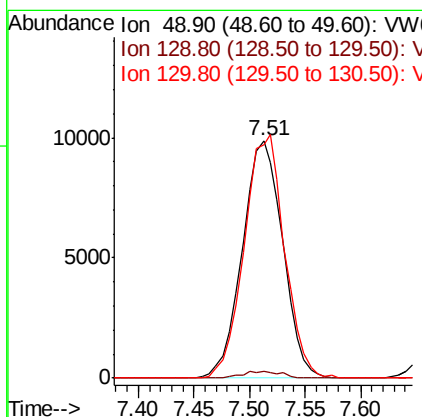
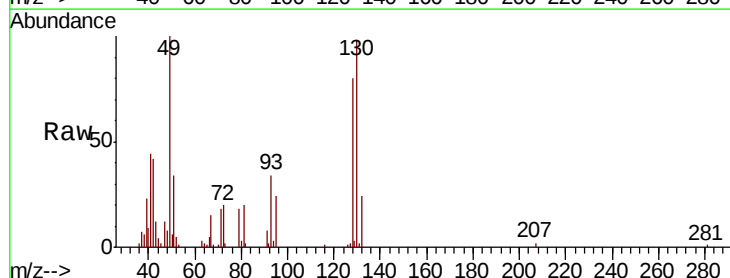
MMDadoda
10/31/2018 12:31:34 PM

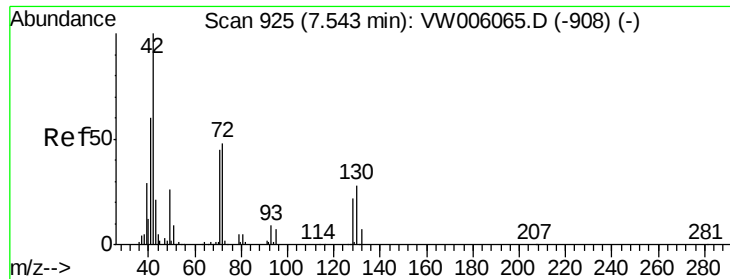


#28

Bromochloromethane
Concen: 19.929 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.01 min
Lab File: VW006495.D
Acq: 30 Oct 2018 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.5	0.0	5.0	
130	102.0	73.8	110.8	





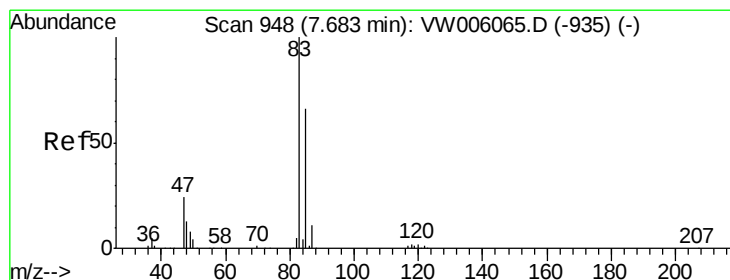
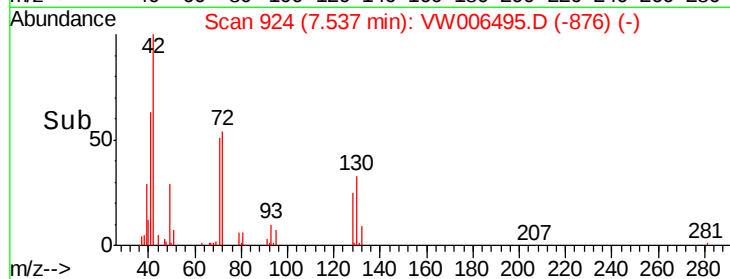
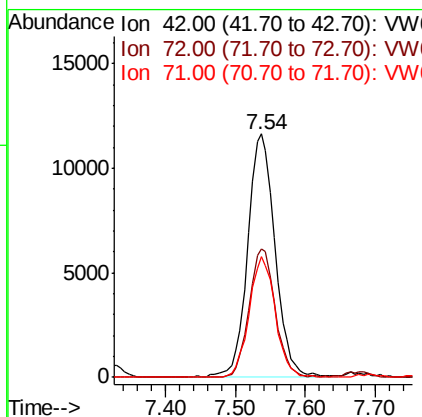
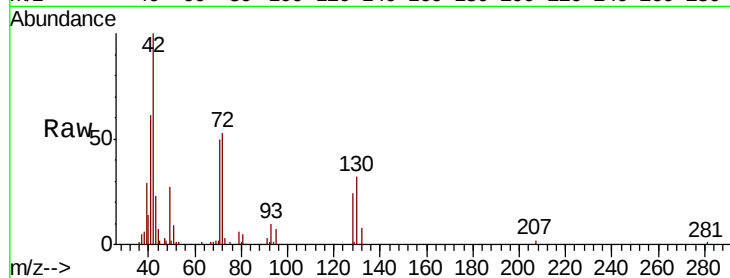
#29
Tetrahydrofuran
Concen: 108.448 ug/l
RT: 7.54 min Scan# 924
Delta R.T. -0.01 min
Lab File: VW006495.D
Acq: 30 Oct 2018 12:25

Instrument :
MSVOA_W
ClientSampleId :
VW1031SBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	50.0	38.0	57.0
71	46.8	35.3	52.9

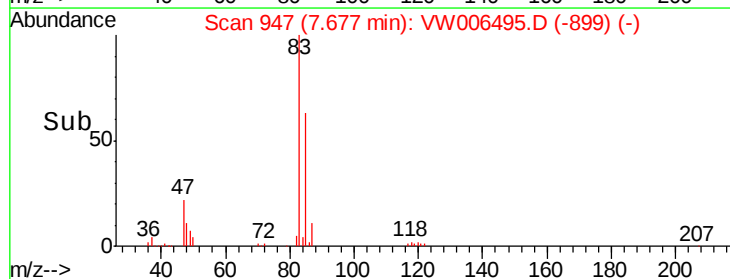
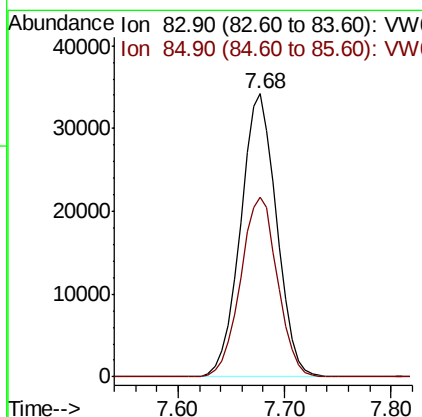
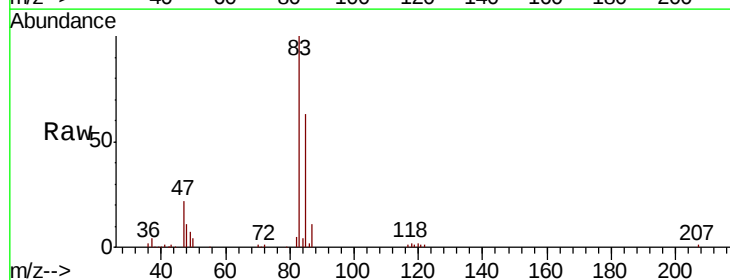
Manual Integrations
APPROVED

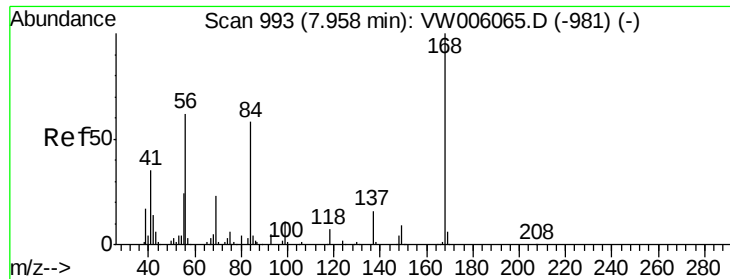
MMDadoda
10/31/2018 12:31:34 PM



#30
Chloroform
Concen: 22.999 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.01 min
Lab File: VW006495.D
Acq: 30 Oct 2018 12:25

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.3	52.6	79.0





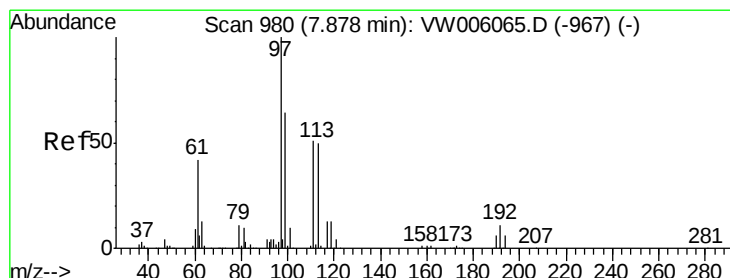
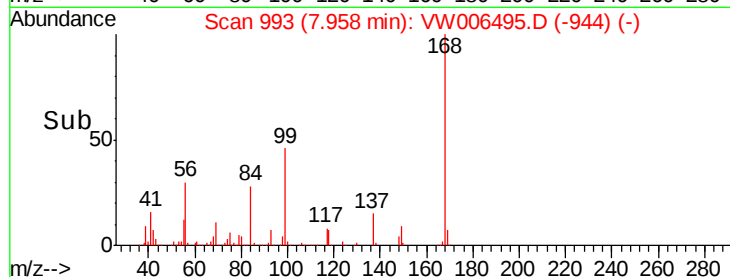
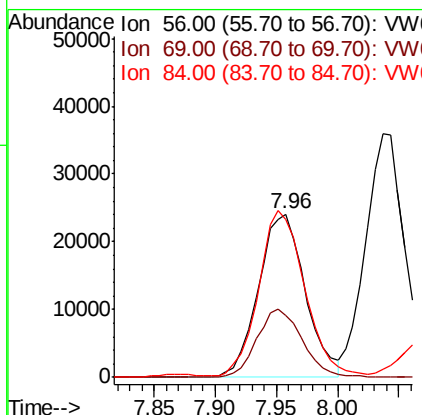
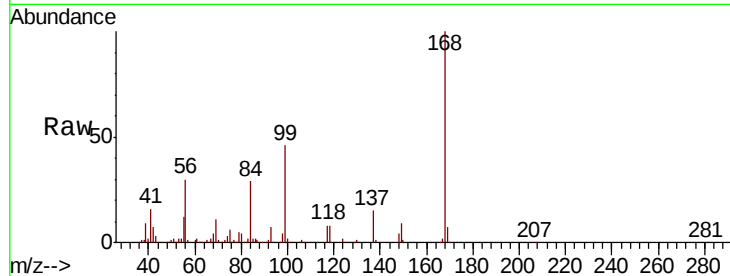
#31
Cvclohexane
Concen: 19.922 ug/l
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW006495.D
Acq: 30 Oct 2018 12:25

Instrument :
MSVOA_W
ClientSampleId :
VW1031SBS02

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.6	29.4	44.0
84	94.9	74.0	111.0

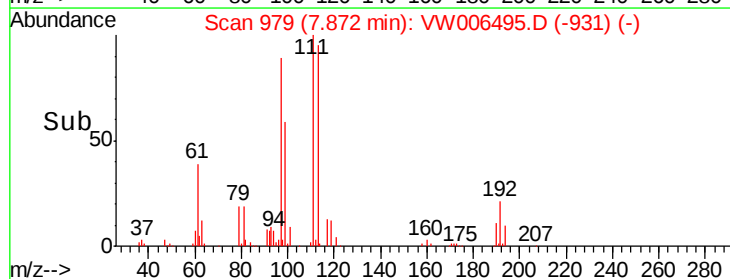
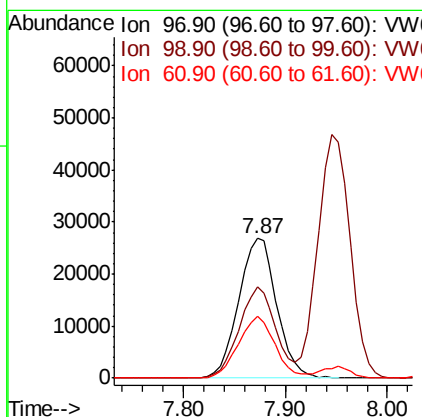
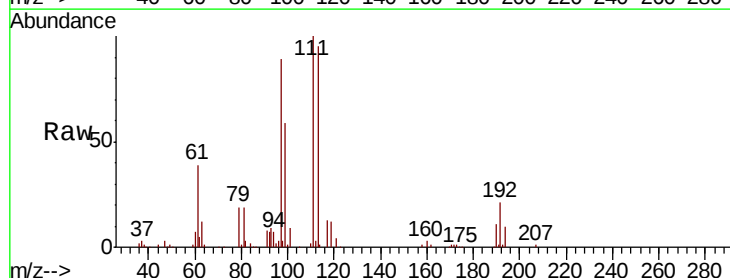
Manual Integrations
APPROVED

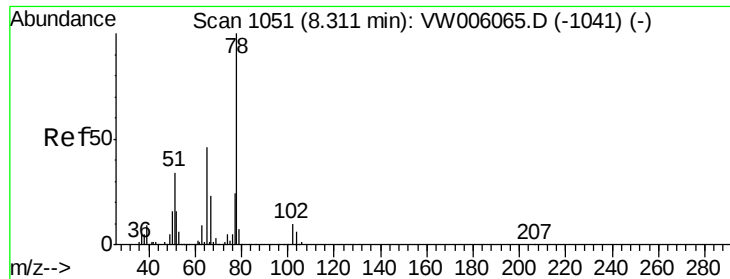
MMDadoda
10/31/2018 12:31:34 PM



#32
1,1,1-Trichloroethane
Concen: 21.779 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.01 min
Lab File: VW006495.D
Acq: 30 Oct 2018 12:25

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.1	50.9	76.3
61	42.1	33.7	50.5





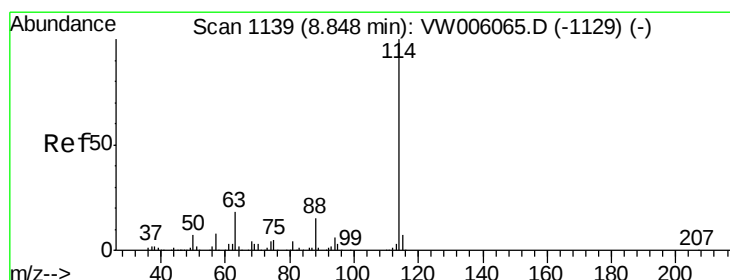
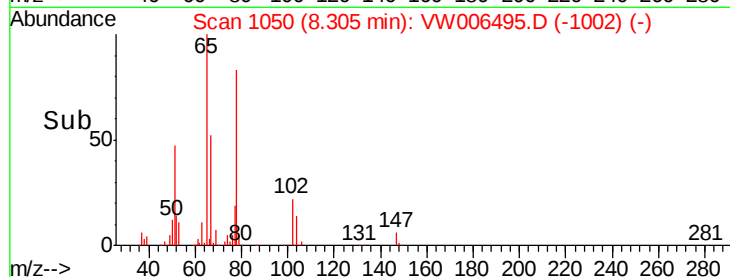
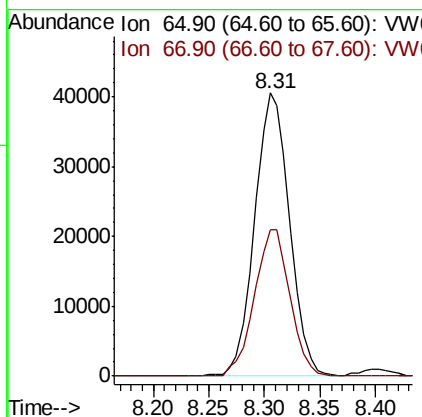
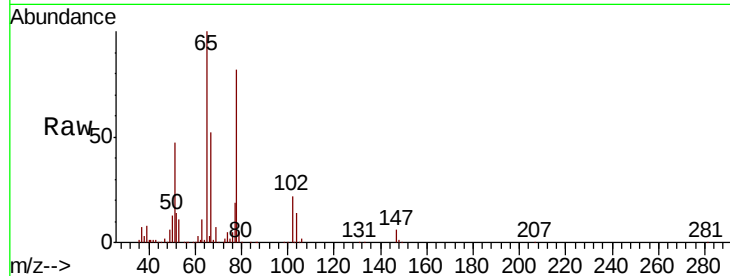
#33
 1,2-Dichloroethane-d4
 Concen: 50.090 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.01 min
 Lab File: VW006495.D
 Acq: 30 Oct 2018 12:25

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1031SBS02

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.8	0.0	101.0

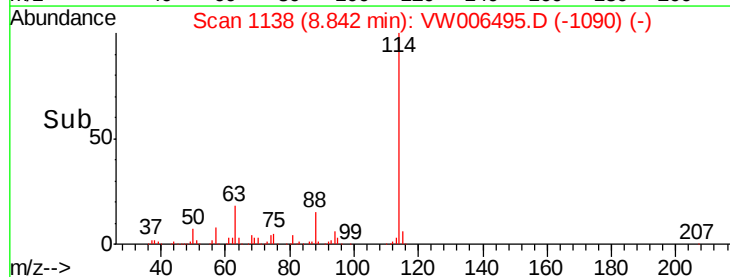
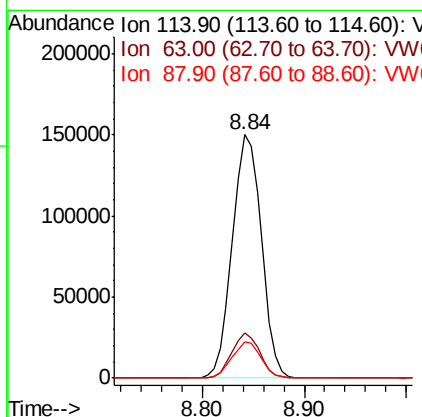
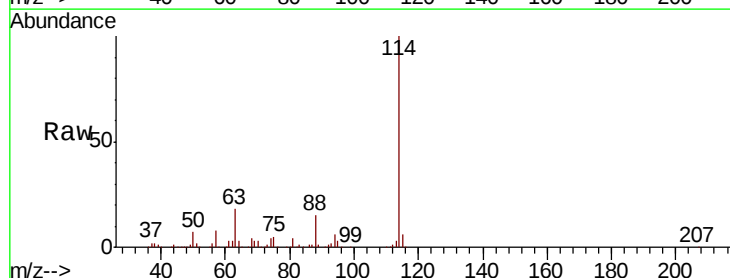
Manual Integrations
 APPROVED

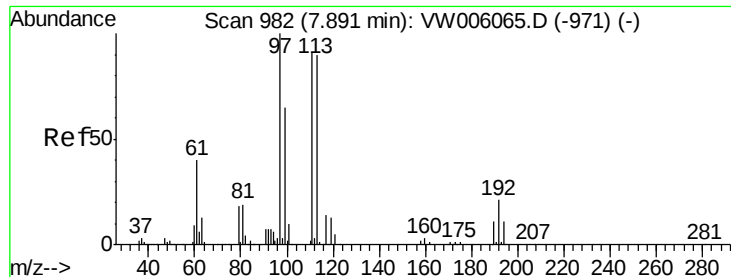
MMDadoda
 10/31/2018 12:31:34 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.01 min
 Lab File: VW006495.D
 Acq: 30 Oct 2018 12:25

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.3	0.0	36.8
88	15.2	0.0	29.0





#35

Dibromofluoromethane

Concen: 54.301 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.01 min

Lab File: VW006495.D

Acq: 30 Oct 2018 12:25

Instrument :

MSVOA_W

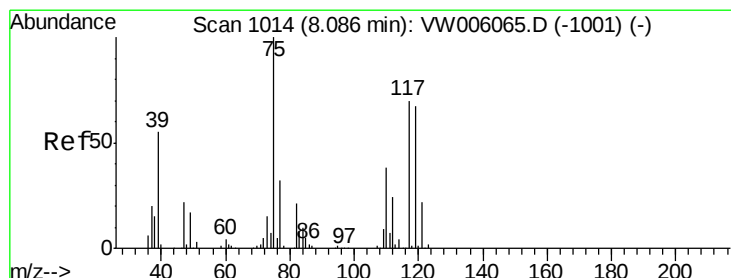
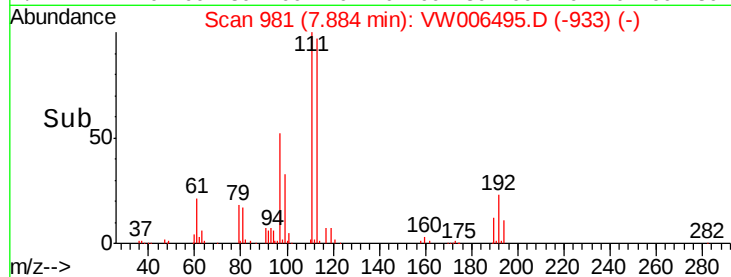
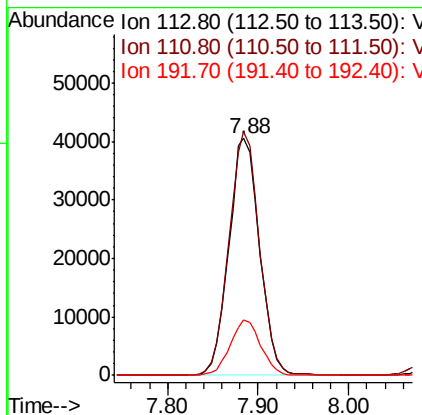
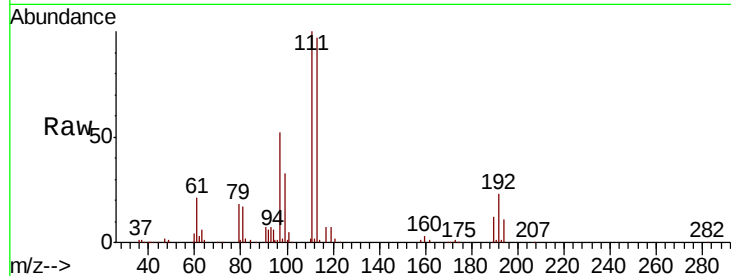
ClientSampleId :

VW1031SBS02

Tot Ion:	113	Resp:	95020
Ion Ratio	Lower	Upper	
113	100		
111	102.2	81.4	122.0
192	23.3	18.7	28.1

Manual Integrations
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10/31/2018 12:31:34 PM



#36

1,1-Dichloropropene

Concen: 23.362 ug/l

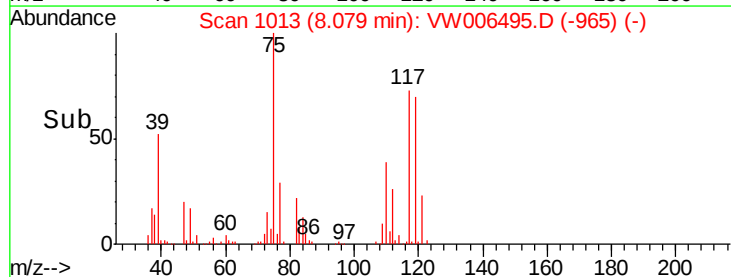
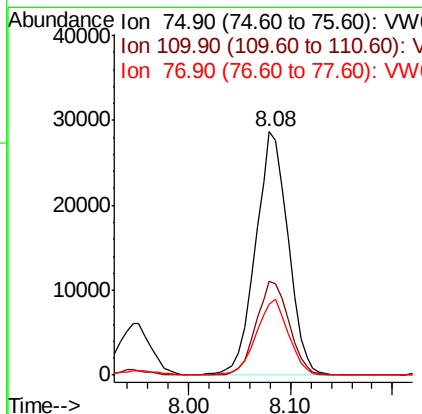
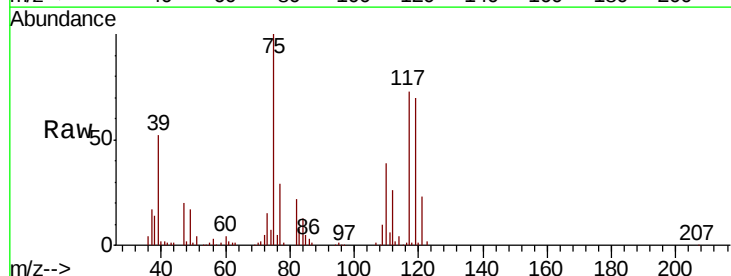
RT: 8.08 min Scan# 1013

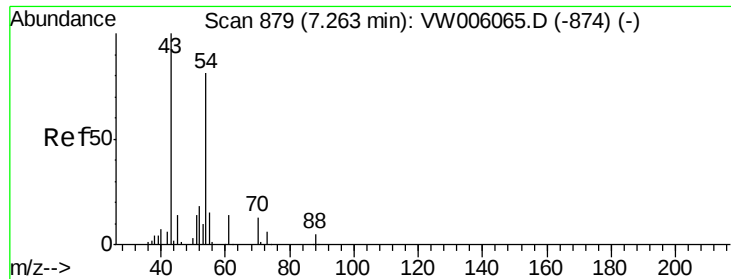
Delta R.T. -0.01 min

Lab File: VW006495.D

Acq: 30 Oct 2018 12:25

Tgt Ion:	75	Resp:	63770
Ion Ratio	Lower	Upper	
75	100		
110	38.8	19.1	57.1
77	30.8	25.0	37.4





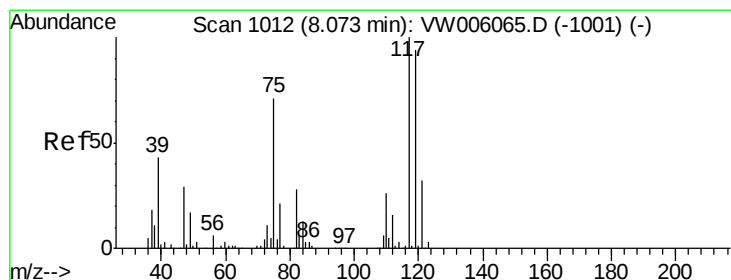
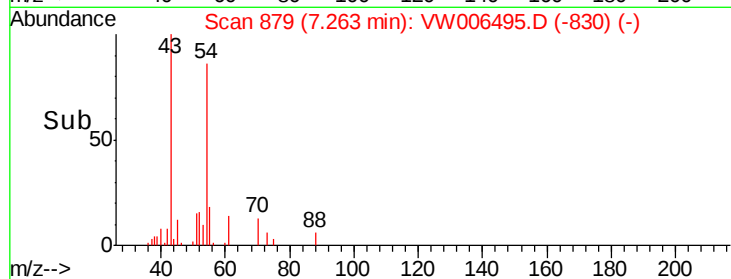
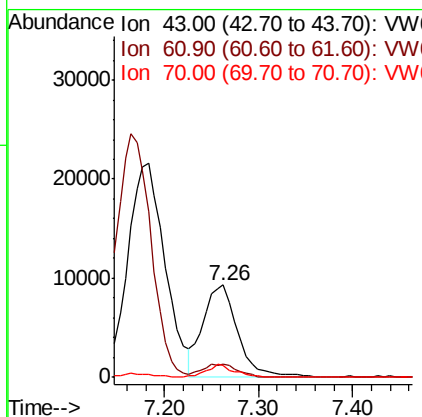
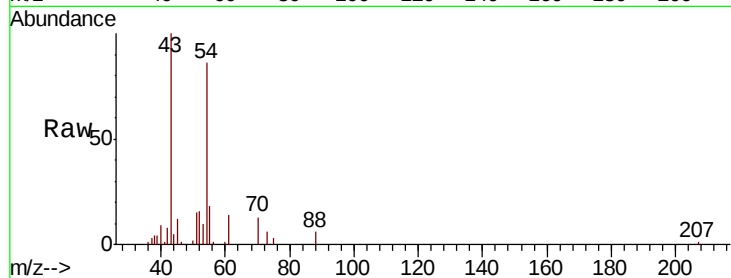
#37
Ethyl Acetate
Concen: 23.309 ug/l
RT: 7.26 min Scan# 879
Delta R.T. -0.00 min
Lab File: VW006495.D
Acq: 30 Oct 2018 12:25

Instrument :
MSVOA_W
ClientSampleId :
VW1031SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.6	11.5	17.3
70	11.3	9.2	13.8

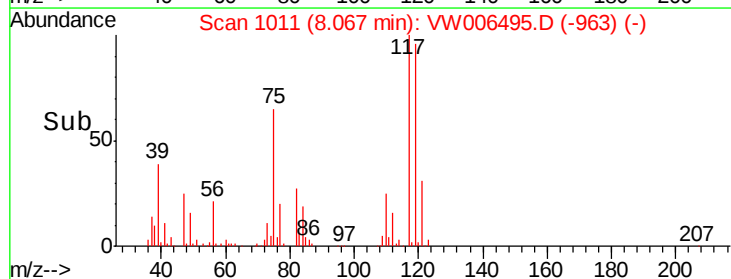
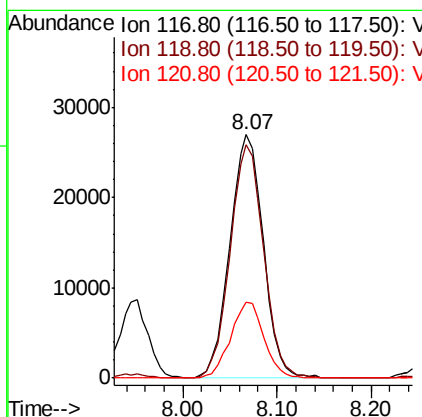
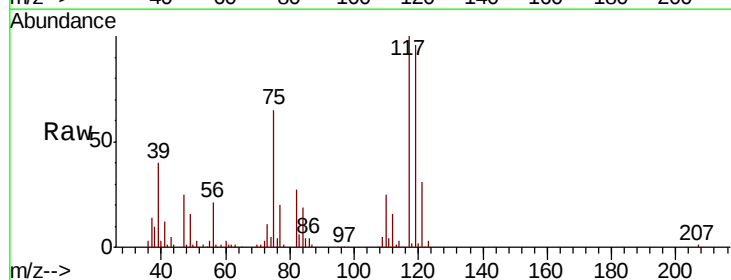
Manual Integrations
APPROVED

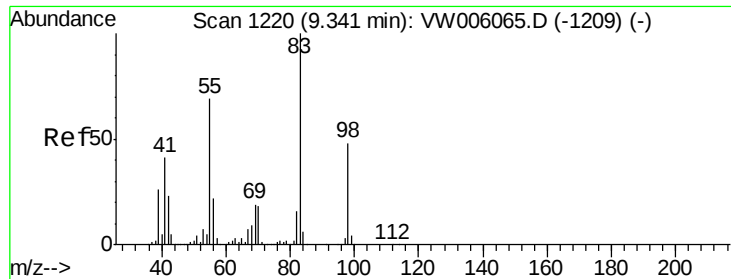
MMDadoda
10/31/2018 12:31:34 PM



#38
Carbon Tetrachloride
Concen: 22.246 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VW006495.D
Acq: 30 Oct 2018 12:25

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.8	75.2	112.8
121	31.2	25.3	37.9





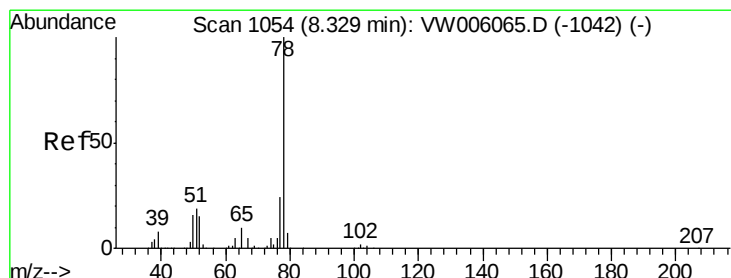
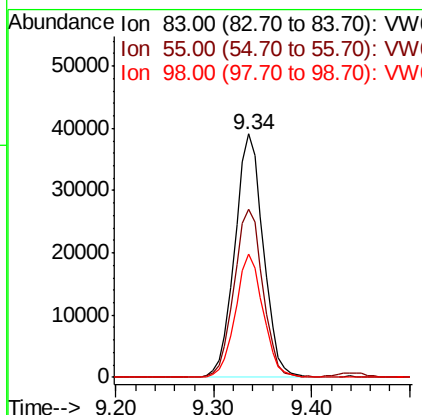
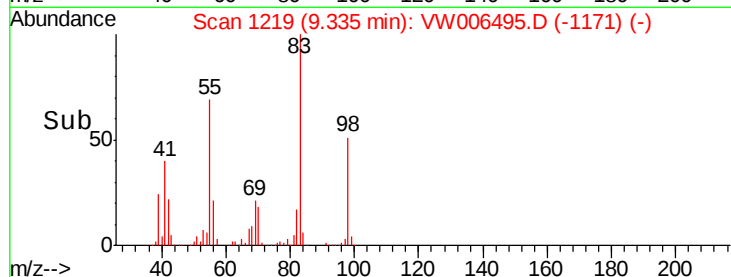
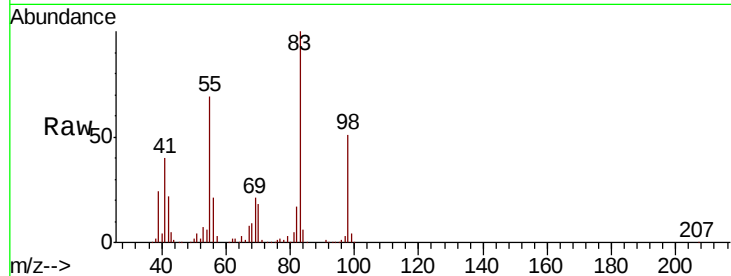
#39
Methvlcvclohexane
Concen: 21.764 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW006495.D
Acq: 30 Oct 2018 12:25

Instrument :
MSVOA_W
ClientSampleId :
VW1031SBSD02

Tot Ion	Ratio	Lower	Upper
83	100		
55	69.3	55.0	82.6
98	50.6	38.6	57.8

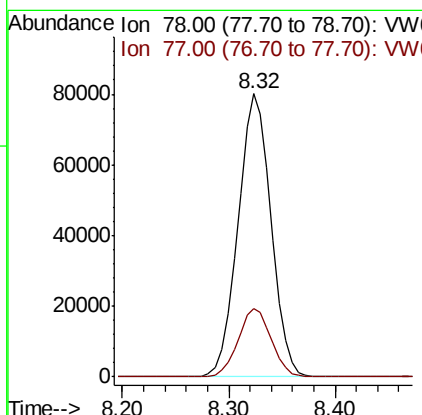
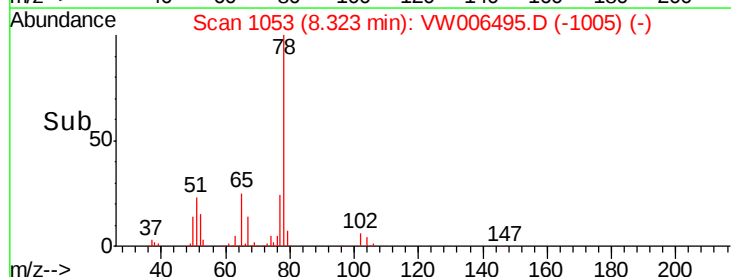
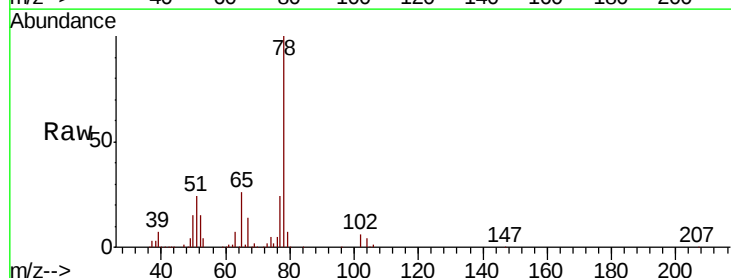
Manual Integrations
APPROVED

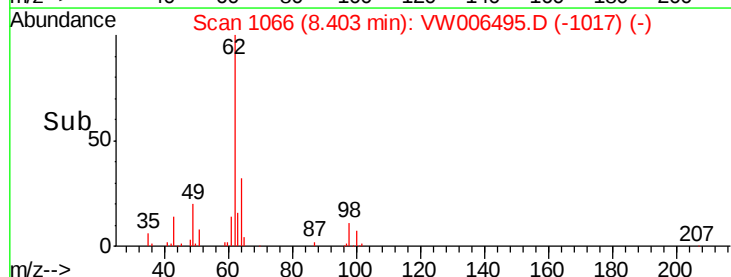
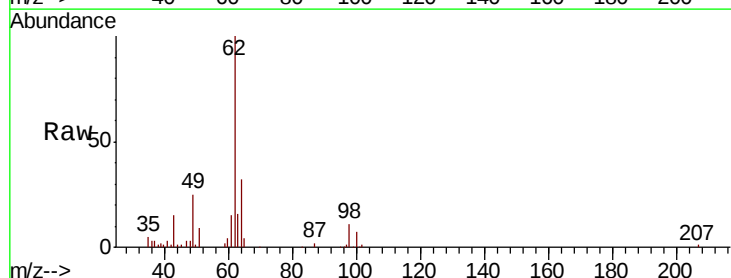
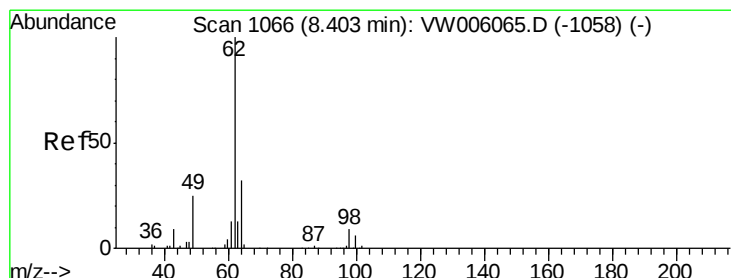
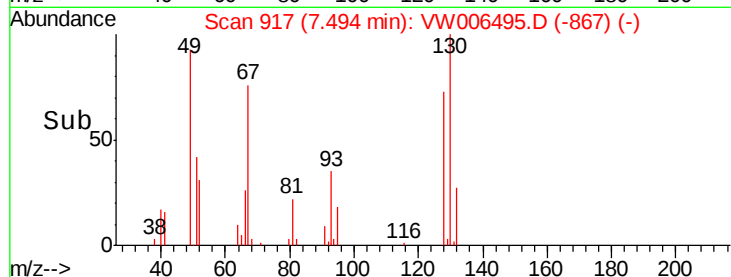
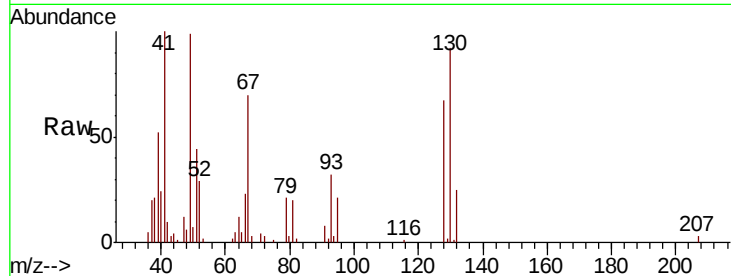
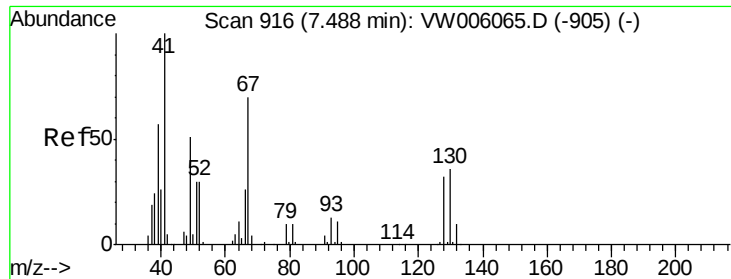
MMDadoda
10/31/2018 12:31:34 PM



#40
Benzene
Concen: 23.217 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VW006495.D
Acq: 30 Oct 2018 12:25

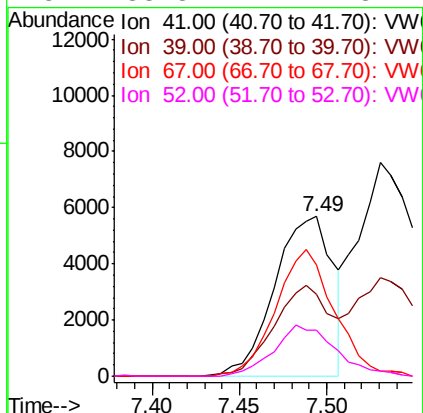
Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.4	29.0





#41
Methacrylonitrile
Concen: 21.655 ug/l
RT: 7.49 min Scan# 917
Delta R.T. 0.01 min
Lab File: VW006495.D
Acq: 30 Oct 2018 12:25

Tot Ion	Ratio	Lower	Upper
41	100		
39	55.7	46.2	69.4
67	79.4	57.7	86.5
52	33.8	24.7	37.1



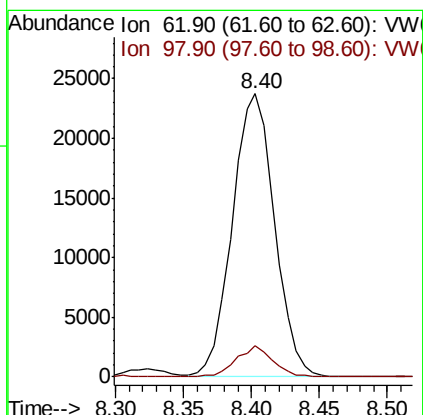
Instrument :
MSVOA_W
ClientSampleId :
VW1031SBS02

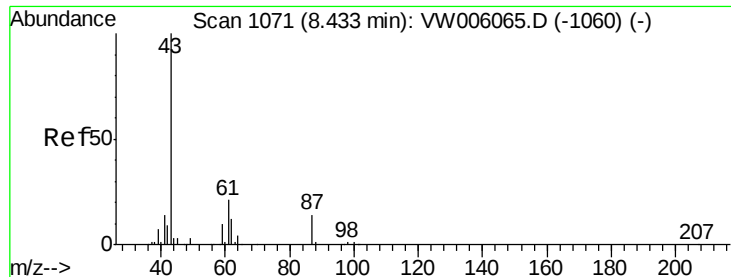
Manual Integrations
APPROVED

MMDadoda
10/31/2018 12:31:34 PM

#42
1,2-Dichloroethane
Concen: 23.392 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW006495.D
Acq: 30 Oct 2018 12:25

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	18.4





#43

Isopropyl Acetate

Concen: 21.397 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.01 min

Lab File: VW006495.D

Acq: 30 Oct 2018 12:25

Instrument :

MSVOA_W

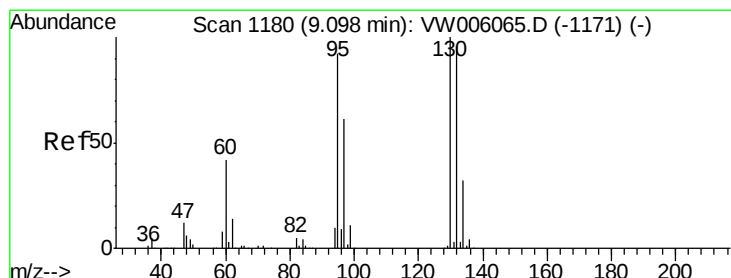
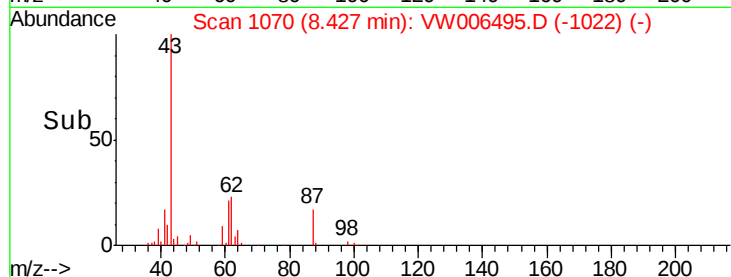
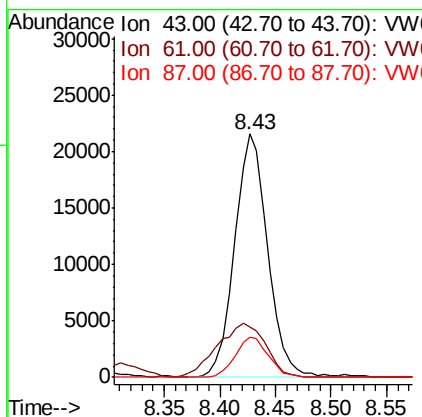
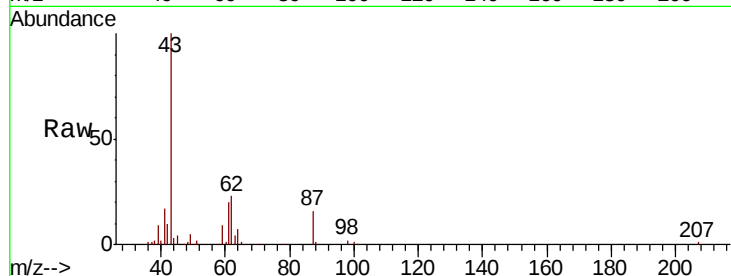
ClientSampleId :

VW1031SBS02

Tot Ion:	43	Resp:	44368
Ion	Ratio	Lower	Upper
43	100		
61	32.4	25.5	38.3
87	16.5	11.7	17.5

Manual Integrations
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#44

Trichloroethene

Concen: 23.714 ug/l

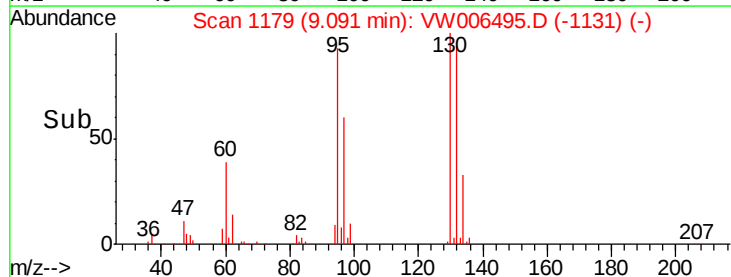
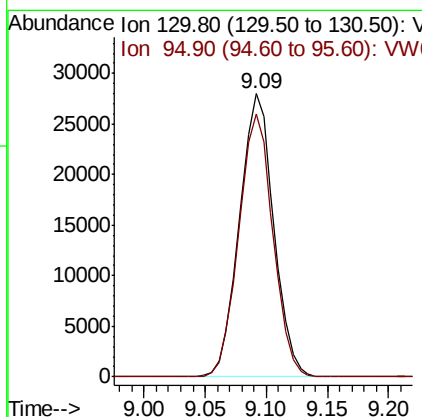
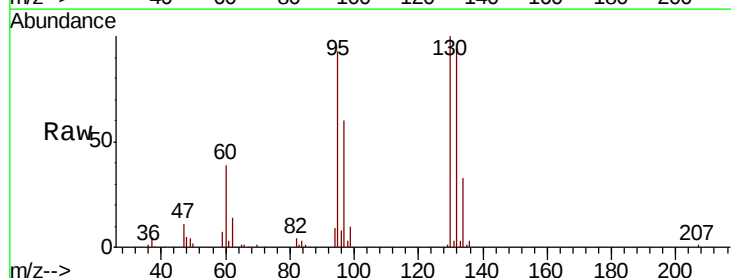
RT: 9.09 min Scan# 1179

Delta R.T. -0.01 min

Lab File: VW006495.D

Acq: 30 Oct 2018 12:25

Tgt Ion:	130	Resp:	54474
Ion	Ratio	Lower	Upper
130	100		
95	93.1	0.0	183.2





#45

1,2-Dichloropropane

Concen: 22.959 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. -0.00 min

Lab File: VW006495.D

Acq: 30 Oct 2018 12:25

Instrument :

MSVOA_W

ClientSampleId :

VW1031SBS02

Tot Ion: 63 Resp: 41135

Ion Ratio Lower Upper

63 100

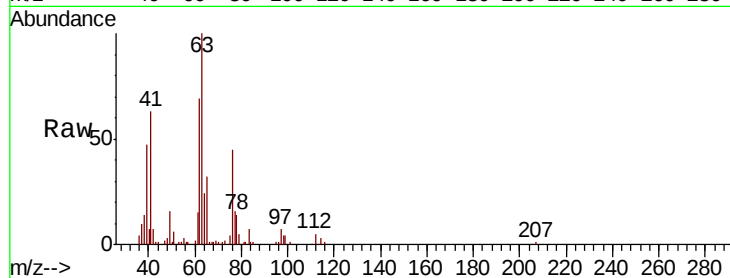
65 32.0 25.4 38.0

Manual Integrations

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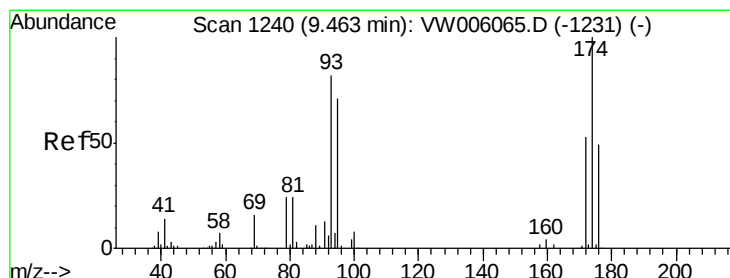
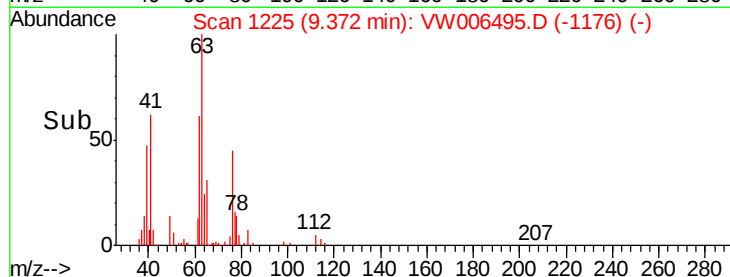
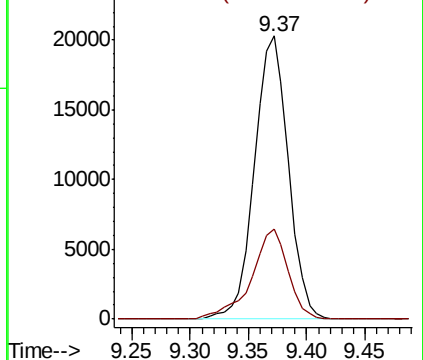
MMDadoda

10/31/2018 12:31:34 PM



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 23.484 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.01 min

Lab File: VW006495.D

Acq: 30 Oct 2018 12:25

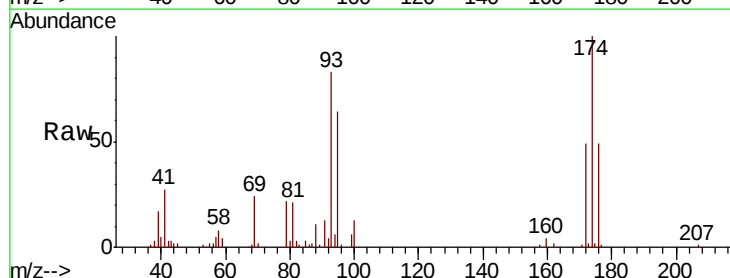
Tgt Ion: 93 Resp: 23982

Ion Ratio Lower Upper

93 100

95 84.6 67.7 101.5

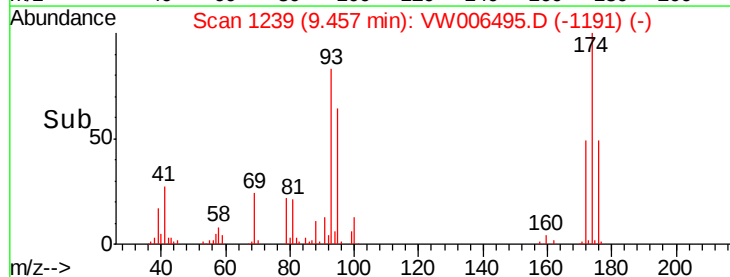
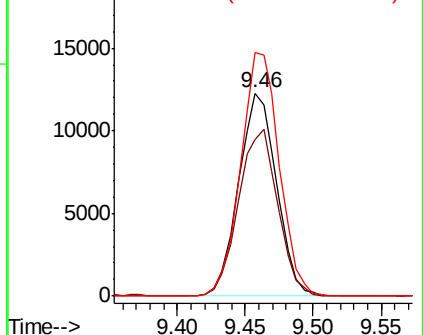
174 121.6 93.7 140.5

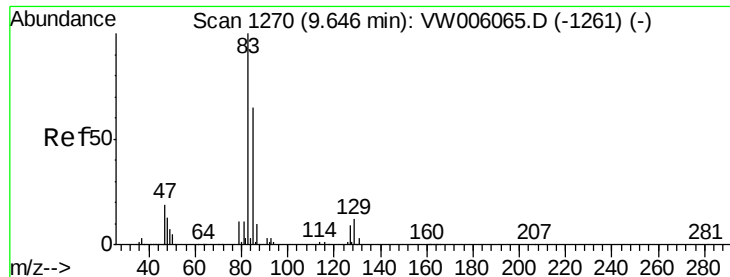


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 22.151 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW006495.D

Acq: 30 Oct 2018 12:25

Instrument :

MSVOA_W

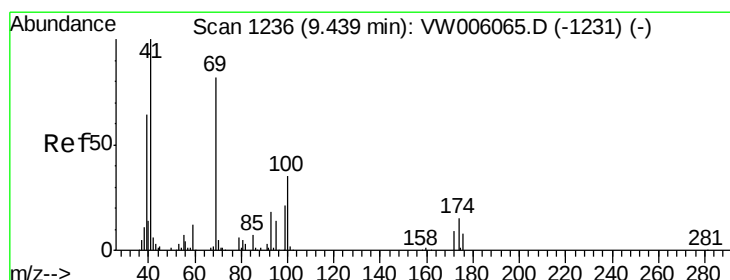
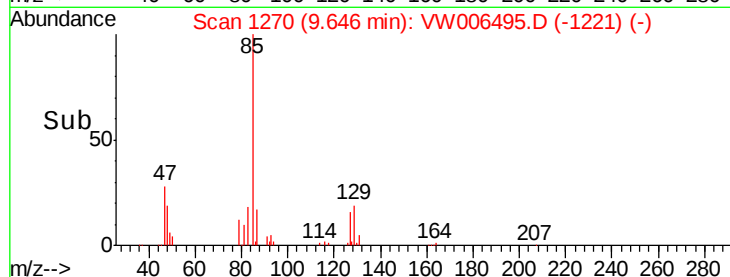
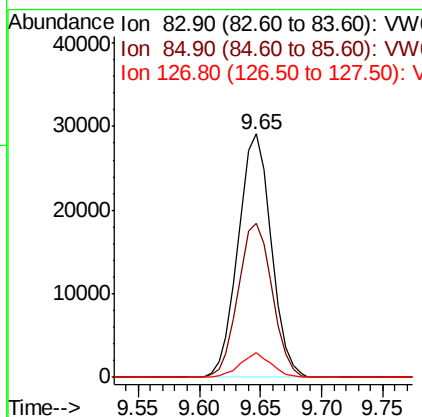
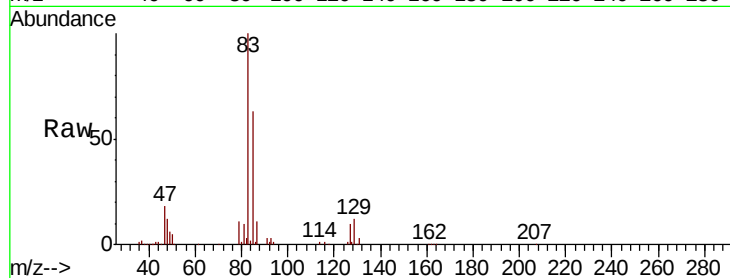
ClientSampleId :

VW1031SBS02

Tot Ion:	83	Resp:	54841
Ion	Ratio	Lower	Upper
83	100		
85	63.5	51.8	77.8
127	10.3	6.9	10.3

Manual Integrations
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#48

Methyl methacrylate

Concen: 21.758 ug/l

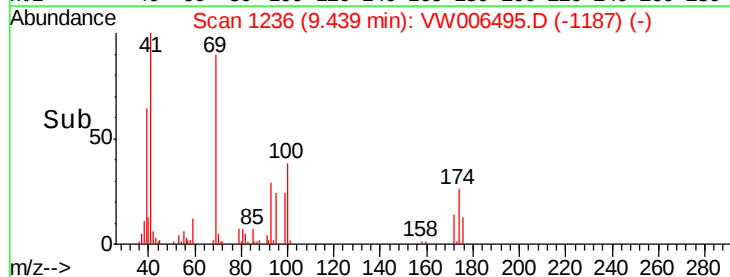
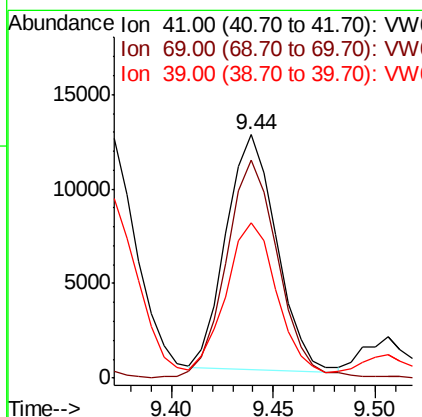
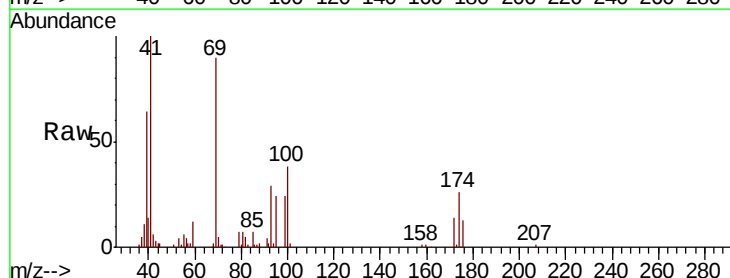
RT: 9.44 min Scan# 1236

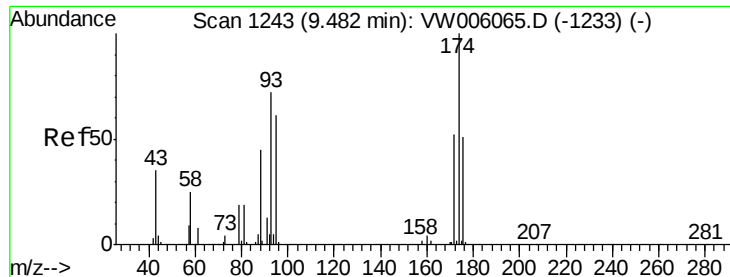
Delta R.T. -0.00 min

Lab File: VW006495.D

Acq: 30 Oct 2018 12:25

Tgt Ion:	41	Resp:	21386
Ion	Ratio	Lower	Upper
41	100		
69	95.9	71.8	107.8
39	68.4	52.5	78.7





#49

1,4-Dioxane

Concen: 457.736 ug/l

RT: 9.48 min Scan# 1242

Delta R.T. -0.01 min

Lab File: VW006495.D

Acq: 30 Oct 2018 12:25

Instrument :

MSVOA_W

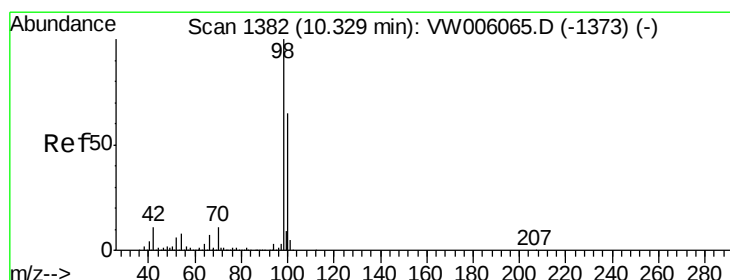
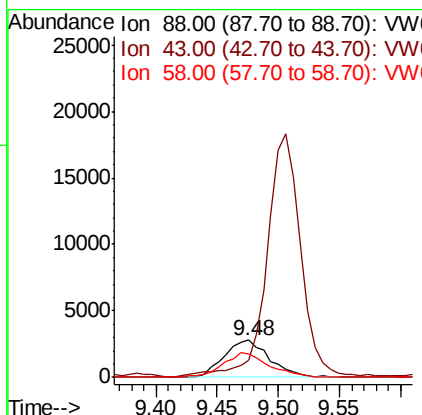
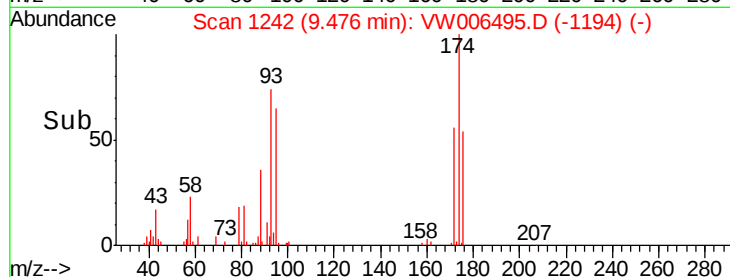
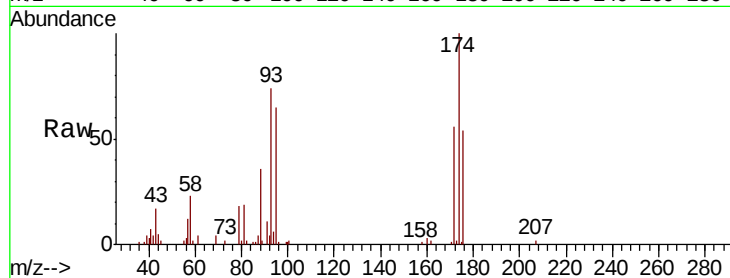
ClientSampleId :

VW1031SBSD02

Tot Ion:	88	Resp:	7196
Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	66.6	51.2	76.8

Manual Integrations
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#50

Toluene-d8

Concen: 52.020 ug/l

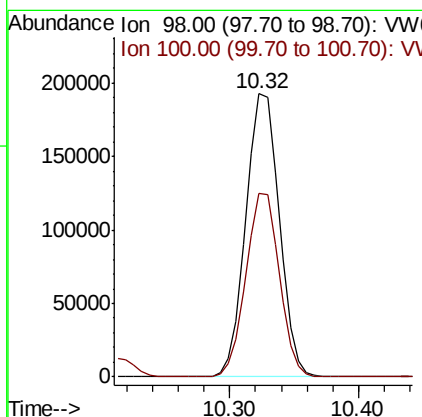
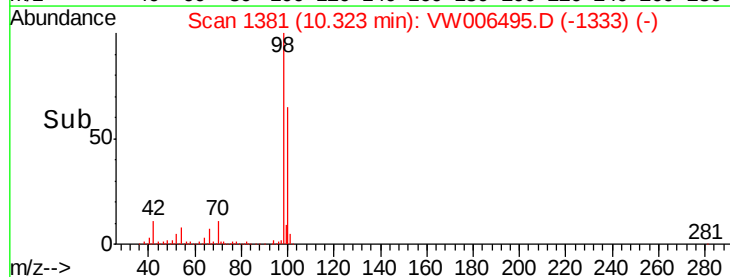
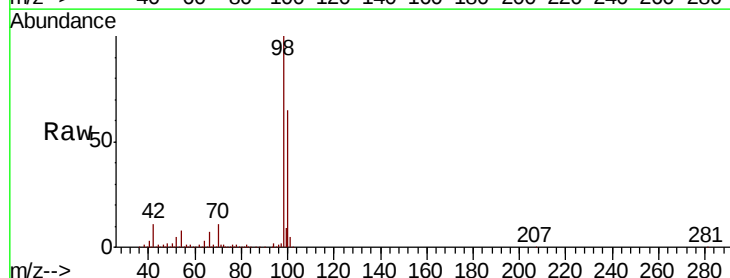
RT: 10.32 min Scan# 1381

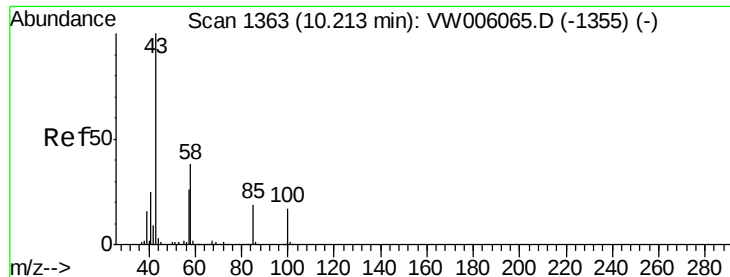
Delta R.T. -0.01 min

Lab File: VW006495.D

Acq: 30 Oct 2018 12:25

Tgt Ion:	98	Resp:	346320
Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 115.497 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW006495.D

Acq: 30 Oct 2018 12:25

Instrument :

MSVOA_W

ClientSampleId :

VW1031SBS02

Tot Ion: 43 Resp: 119994

Ion Ratio Lower Upper

43 100

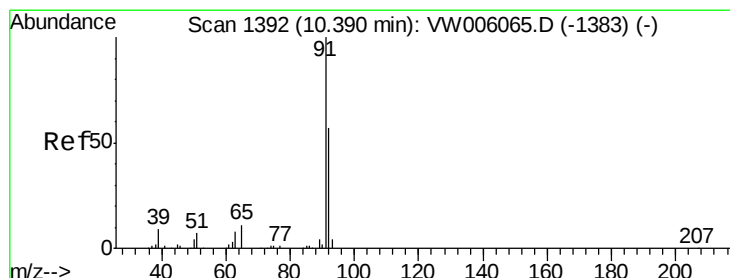
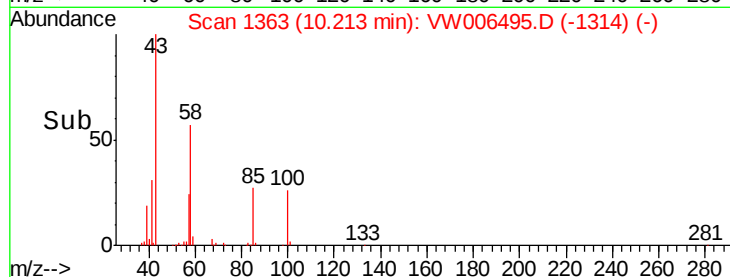
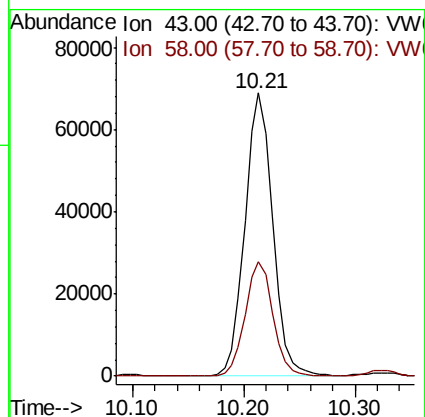
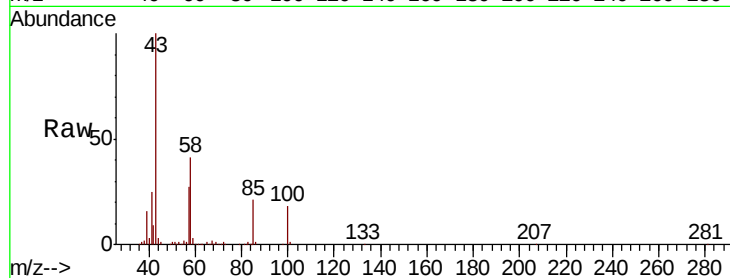
58 40.4 31.5 47.3

Manual Integrations

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#52

Toluene

Concen: 23.105 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW006495.D

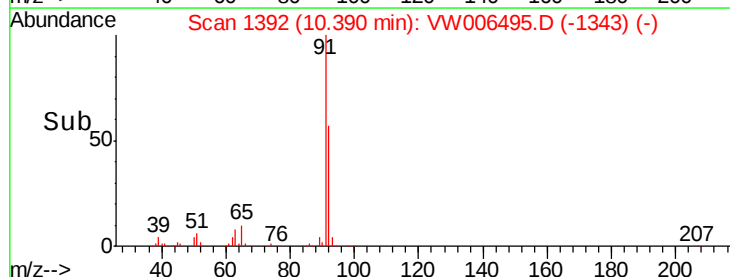
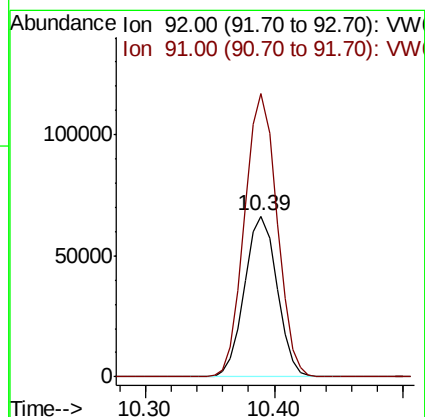
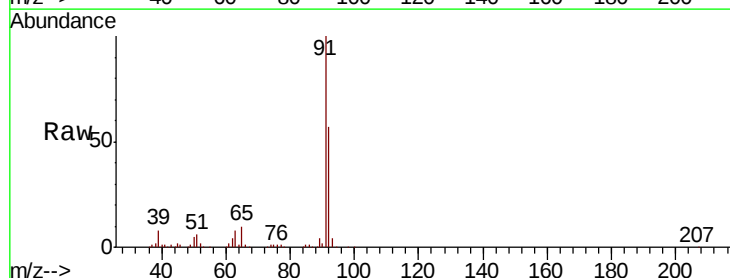
Acq: 30 Oct 2018 12:25

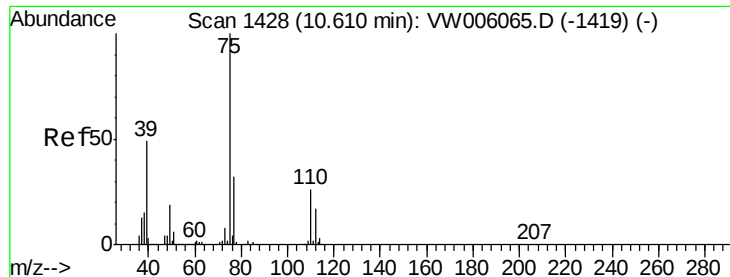
Tgt Ion: 92 Resp: 115983

Ion Ratio Lower Upper

92 100

91 175.8 140.0 210.0





#53

t-1,3-Dichloropropene

Concen: 21.803 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW006495.D

Acq: 30 Oct 2018 12:25

Instrument :

MSVOA_W

ClientSampleId :

VW1031SBSD02

Tot Ion: 75 Resp: 53783

Ion Ratio Lower Upper

75 100

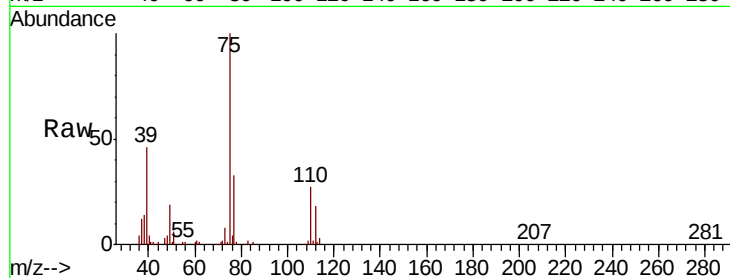
77 33.3 25.4 38.2

Manual Integrations

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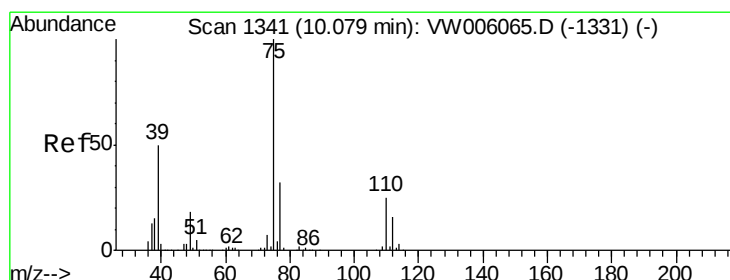
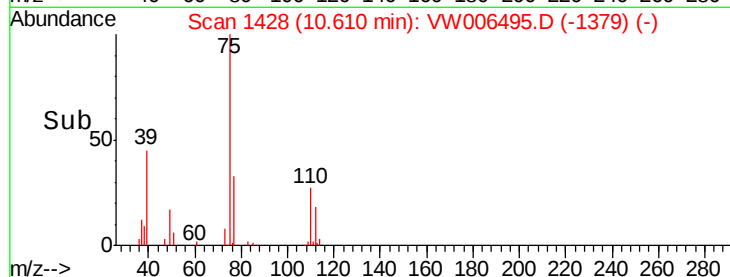
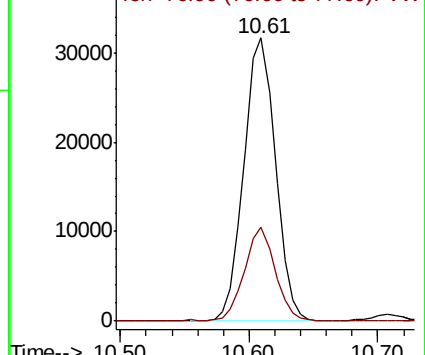
MMDadoda

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Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW



#54

cis-1,3-Dichloropropene

Concen: 22.348 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.01 min

Lab File: VW006495.D

Acq: 30 Oct 2018 12:25

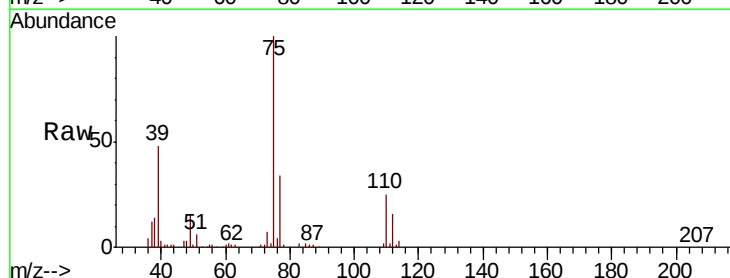
Tgt Ion: 75 Resp: 63268

Ion Ratio Lower Upper

75 100

77 33.6 25.2 37.8

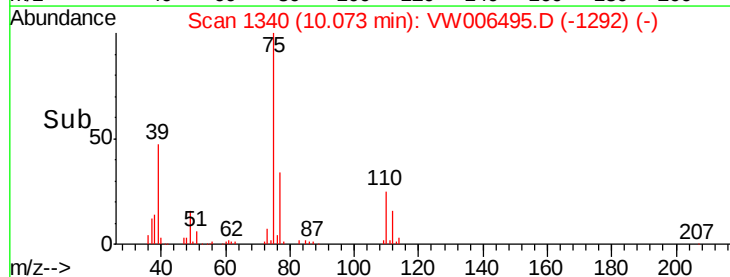
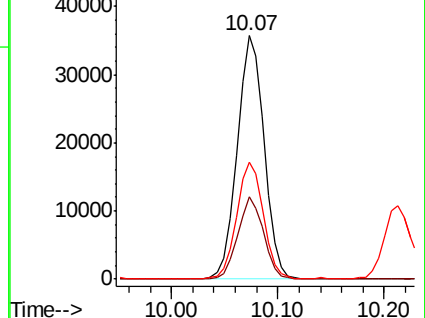
39 47.8 39.9 59.9

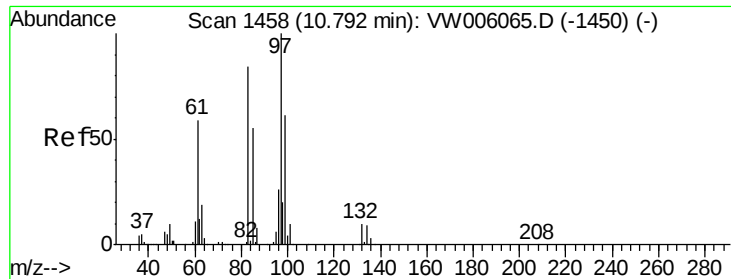


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW





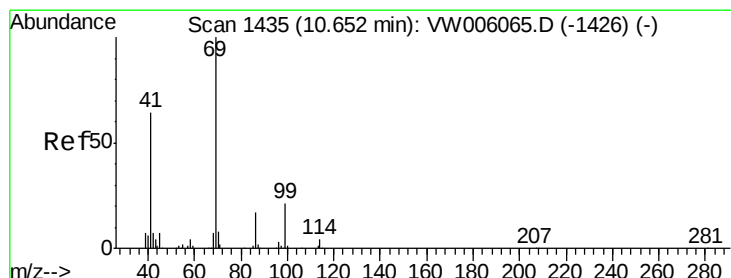
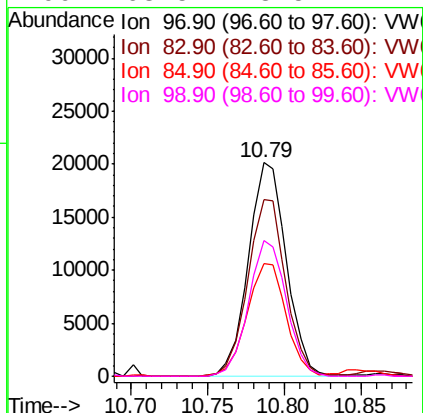
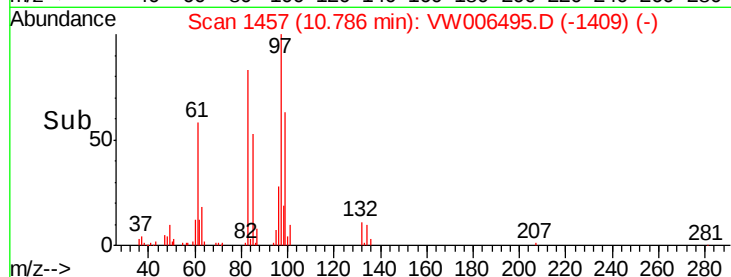
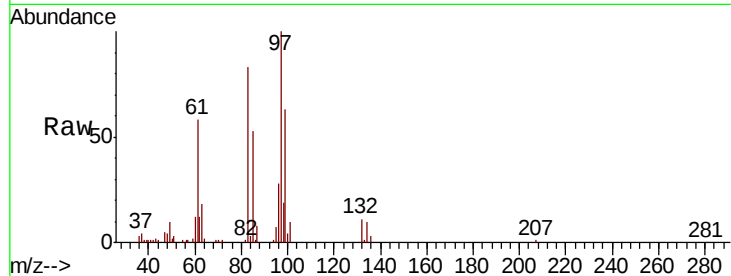
#55
 1,1,2-Trichloroethane
 Concen: 24.353 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.01 min
 Lab File: VW006495.D
 Acq: 30 Oct 2018 12:25

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1031SBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		34802		
83	82.6	67.2	100.8		
85	52.8	43.7	65.5		
99	63.5	48.5	72.7		

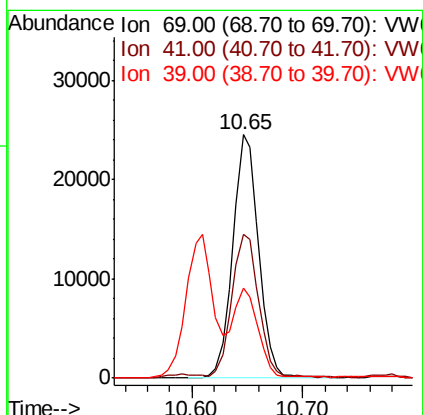
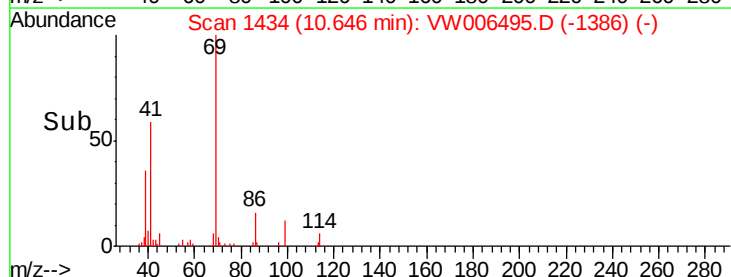
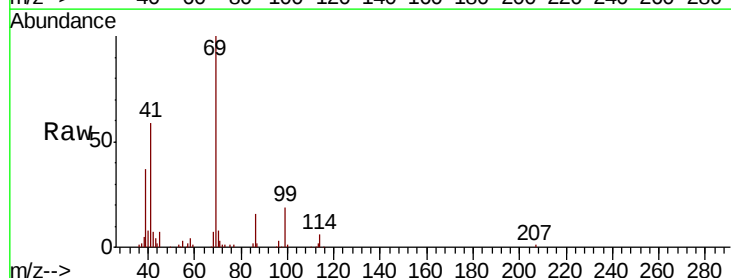
Manual Integrations
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 10/31/2018 12:31:34 PM



#56
 Ethyl methacrylate
 Concen: 22.557 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: VW006495.D
 Acq: 30 Oct 2018 12:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		39518		
41	62.1	52.8	79.2		
39	36.3	30.6	45.8		





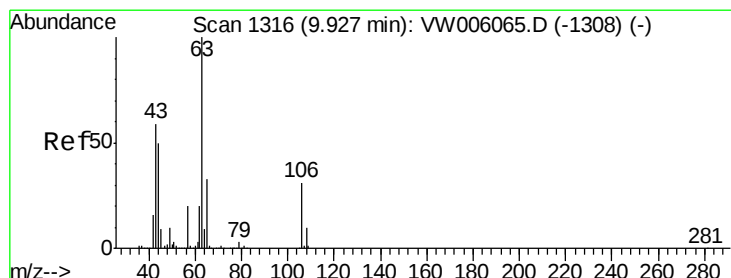
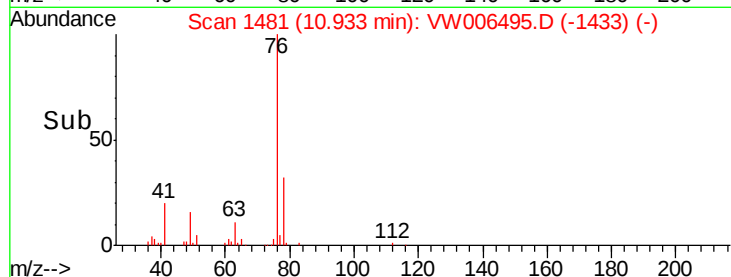
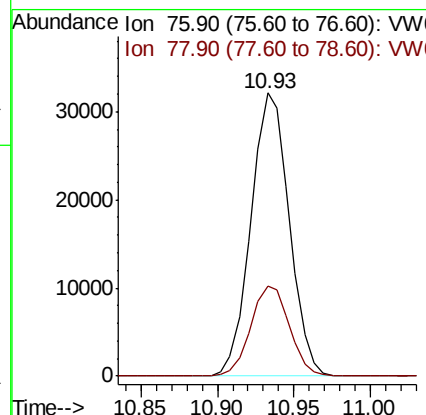
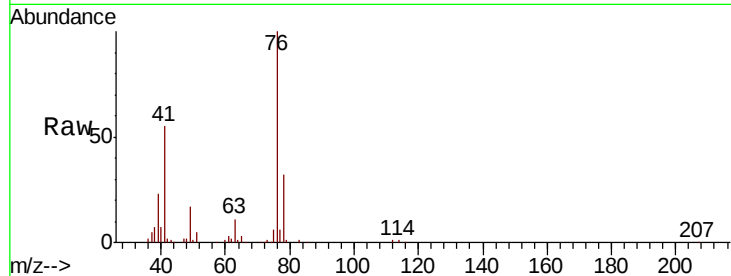
#57
 1,3-Dichloropropane
 Concen: 23.655 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.01 min
 Lab File: VW006495.D
 Acq: 30 Oct 2018 12:25

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1031SBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.9	38.9

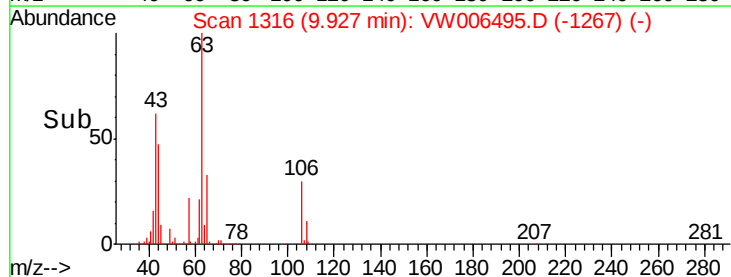
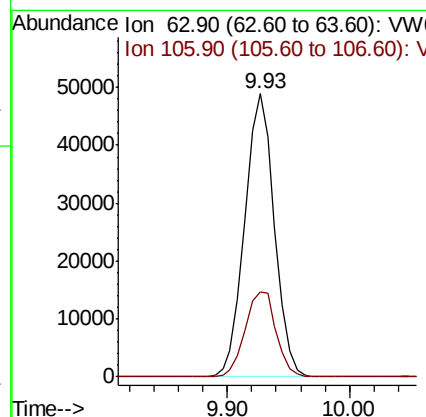
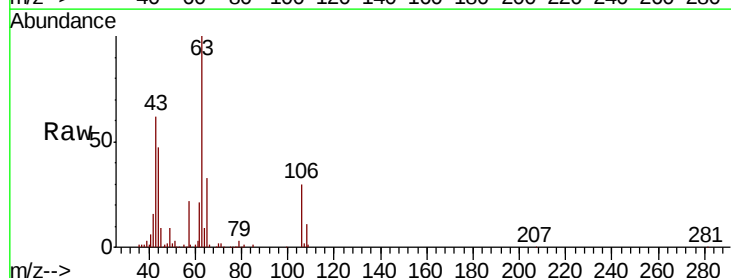
Manual Integrations
 APPROVED

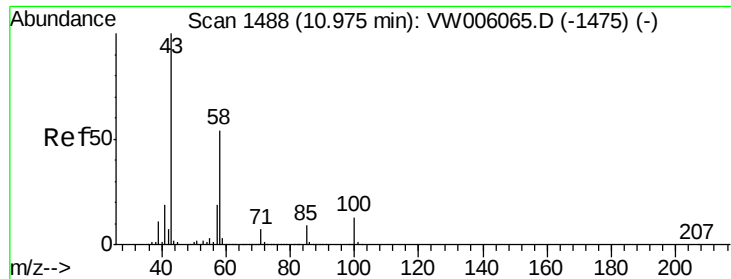
MMDadoda
 10/31/2018 12:31:34 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 122.683 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW006495.D
 Acq: 30 Oct 2018 12:25

Tgt Ion	Ratio	Lower	Upper
63	100		
106	31.5	24.5	36.7





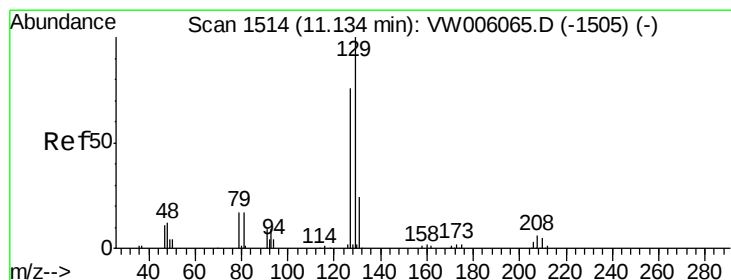
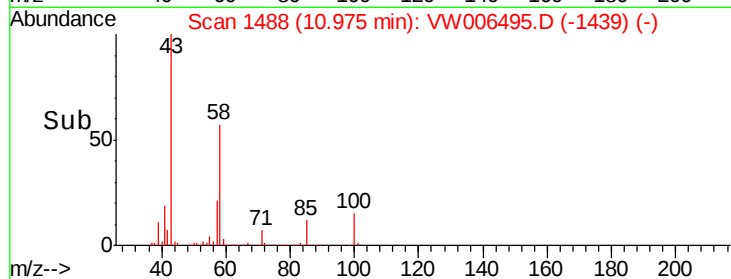
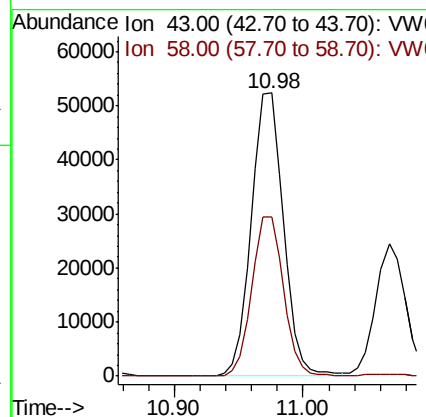
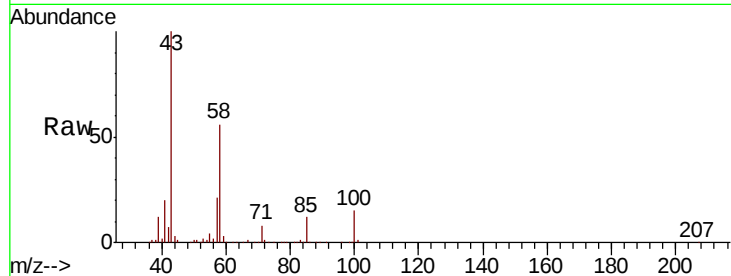
#59
2-Hexanone
Concen: 121.657 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. -0.00 min
Lab File: VW006495.D
Acq: 30 Oct 2018 12:25

Instrument :
MSVOA_W
ClientSampleId :
VW1031SBS02

Tot Ion	43	Resp	90225
Ion Ratio	100	Lower	Upper
43	100		
58	55.5	26.9	80.6

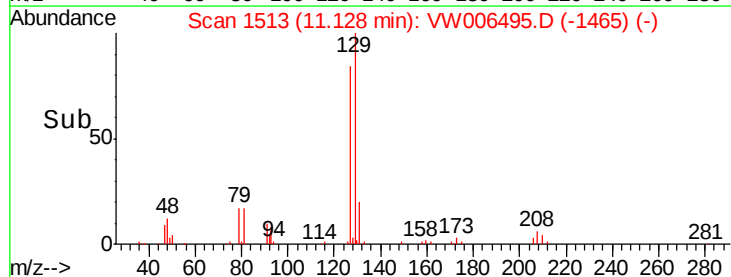
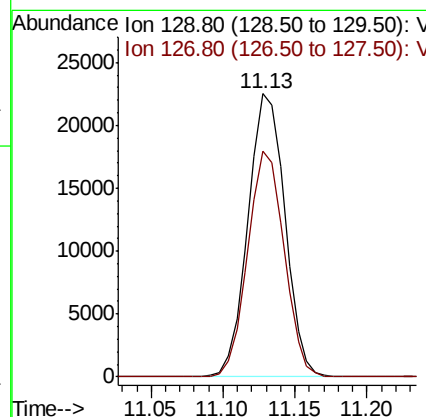
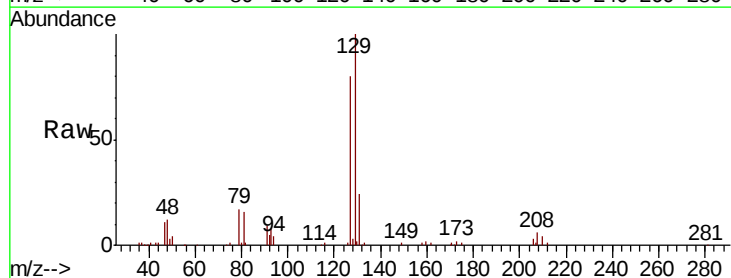
Manual Integrations
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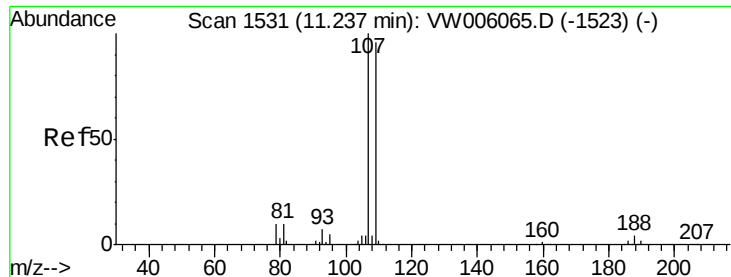
MMDadoda
10/31/2018 12:31:34 PM



#60
Dibromochloromethane
Concen: 22.484 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.01 min
Lab File: VW006495.D
Acq: 30 Oct 2018 12:25

Tgt Ion	129	Resp	40021	
Ion Ratio	129	100	Lower	Upper
129	100			
127	78.3	38.6	115.7	





#61

1,2-Dibromoethane

Concen: 23.954 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW006495.D

Acq: 30 Oct 2018 12:25

Instrument :

MSVOA_W

ClientSampleId :

VW1031SBSD02

Tot Ion: 107 Resp: 34203

Ion Ratio Lower Upper

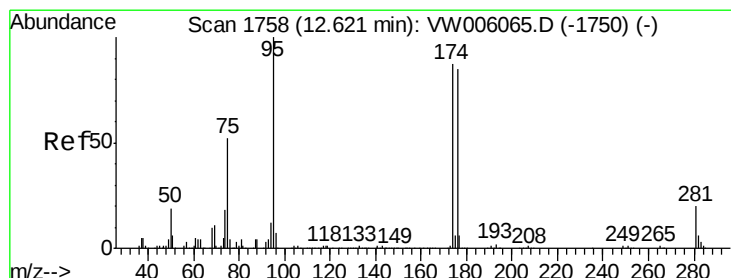
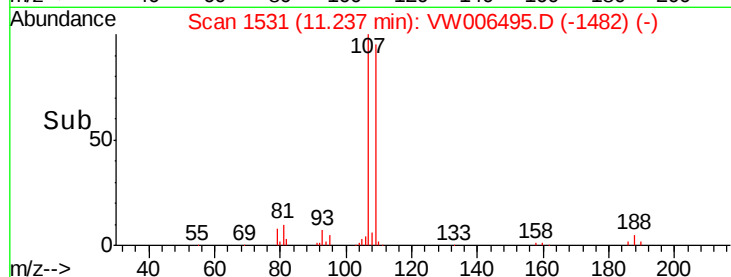
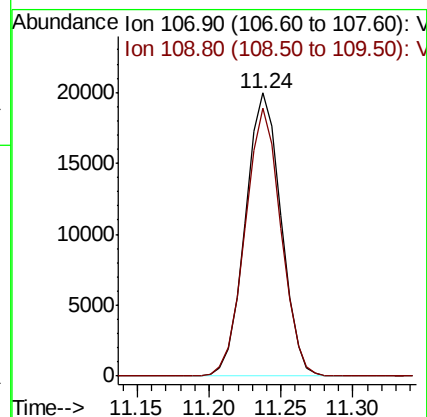
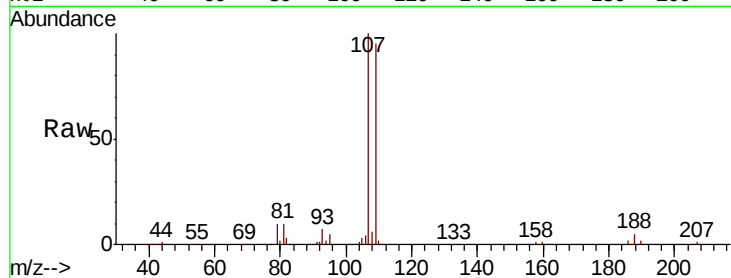
107 100

109 95.1 76.3 114.5

Manual Integrations
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MMDadoda

10/31/2018 12:31:34 PM



#62

4-Bromofluorobenzene

Concen: 52.284 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW006495.D

Acq: 30 Oct 2018 12:25

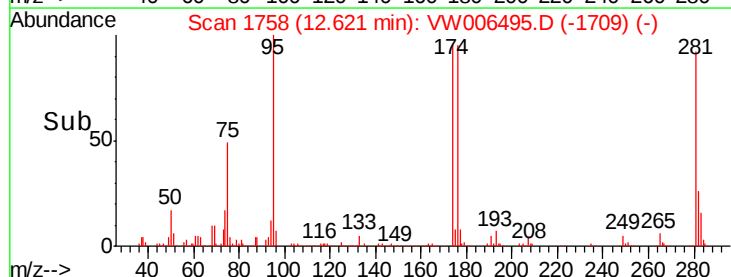
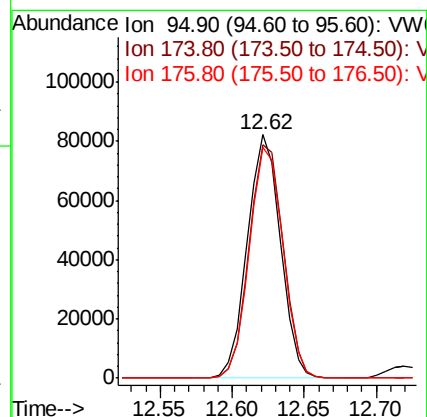
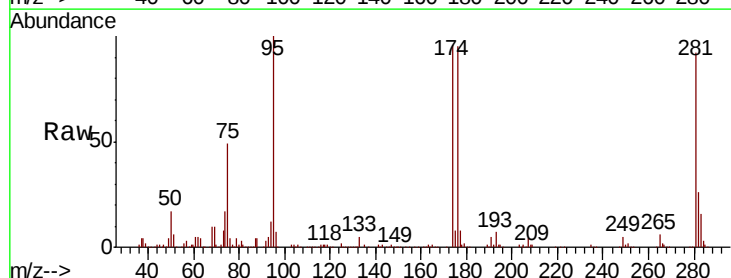
Tgt Ion: 95 Resp: 130734

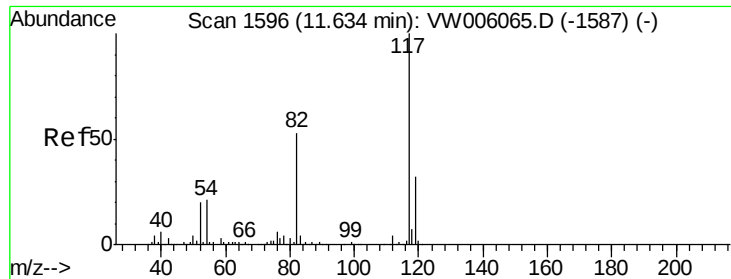
Ion Ratio Lower Upper

95 100

174 98.6 0.0 186.0

176 96.3 0.0 181.6





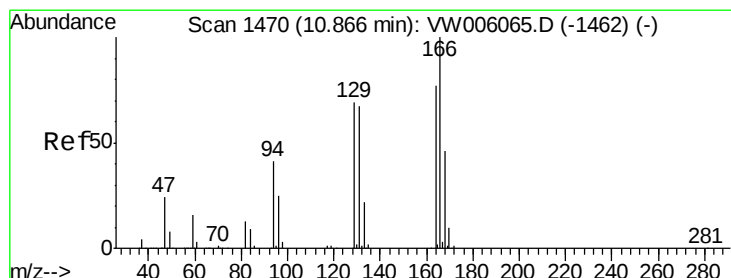
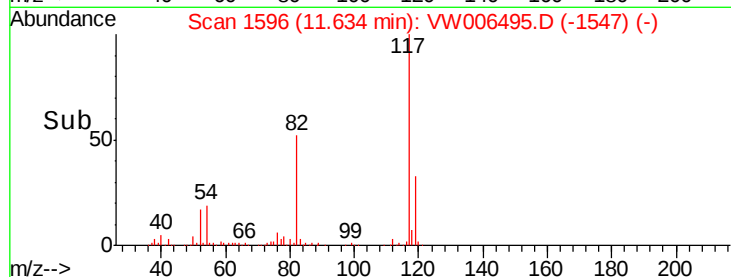
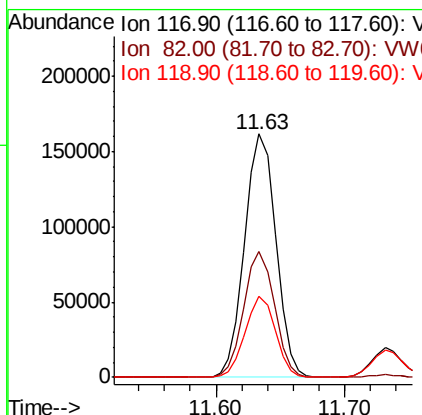
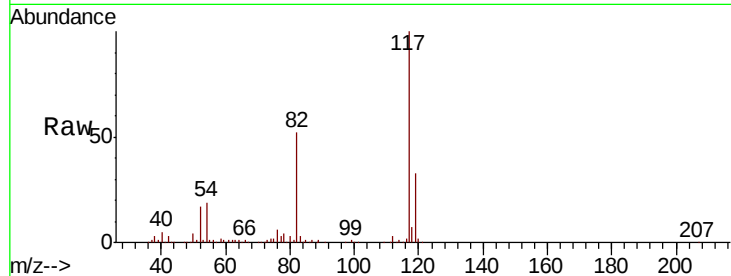
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW006495.D
Acq: 30 Oct 2018 12:25

Instrument :
MSVOA_W
ClientSampleId :
VW1031SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	271391		
82	51.9	42.1	63.1	
119	33.1	25.8	38.6	

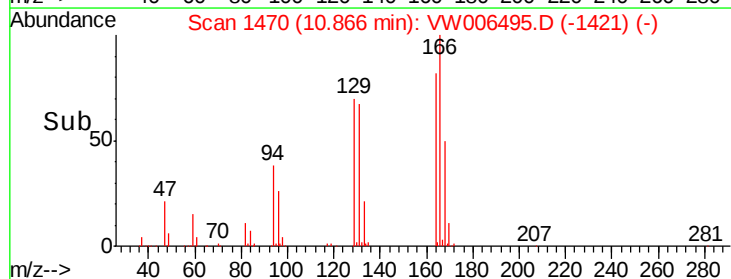
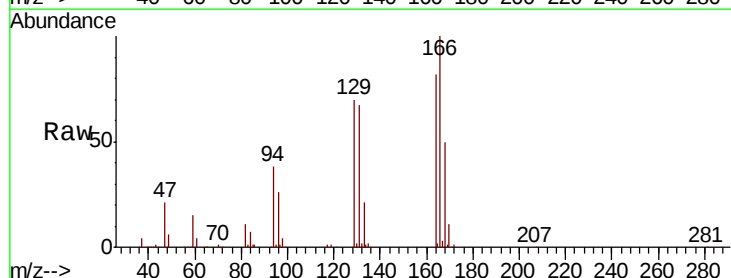
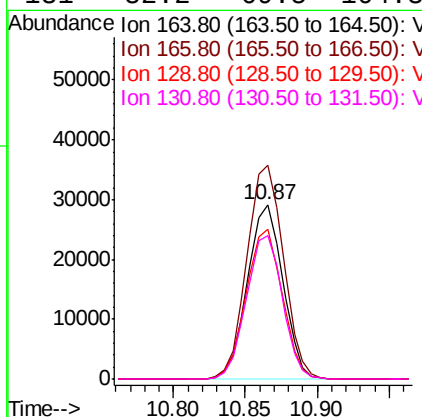
Manual Integrations
APPROVED

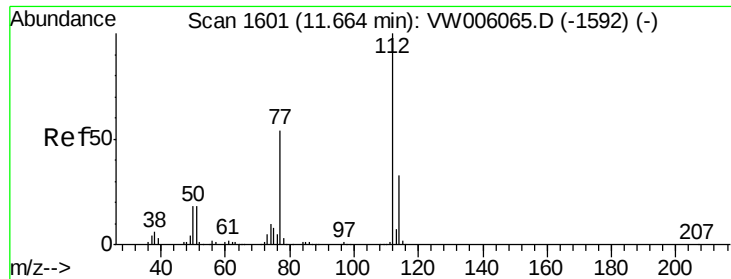
MMDadoda
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#64
Tetrachloroethene
Concen: 23.552 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW006495.D
Acq: 30 Oct 2018 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	49619		
166	122.3	103.4	155.0	
129	85.9	71.8	107.8	
131	82.2	69.5	104.3	





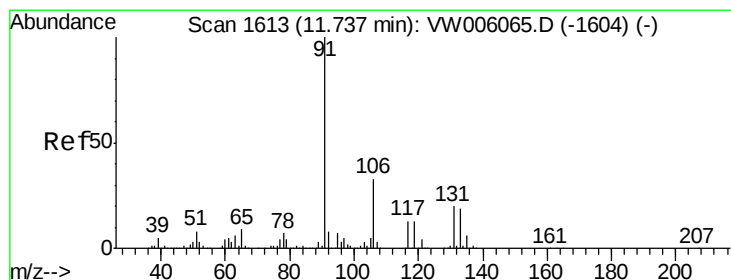
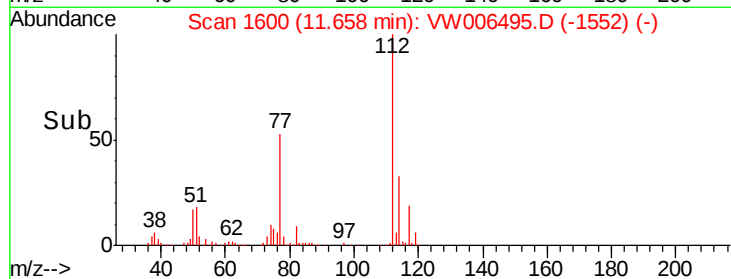
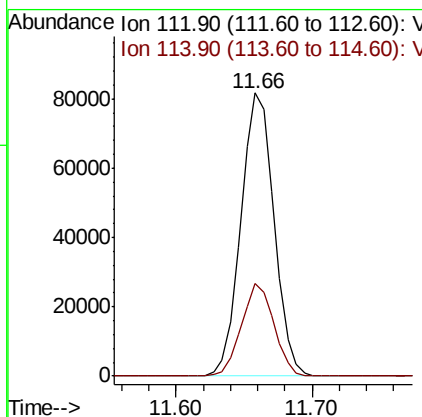
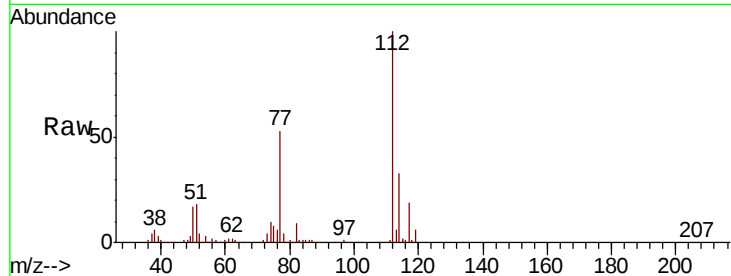
#65
Chlorobenzene
Concen: 23.893 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VW006495.D
Acq: 30 Oct 2018 12:25

Instrument :
MSVOA_W
ClientSampleId :
VW1031SBS02

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.5	26.2	39.2

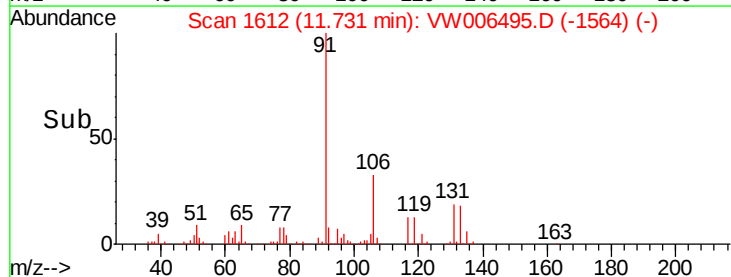
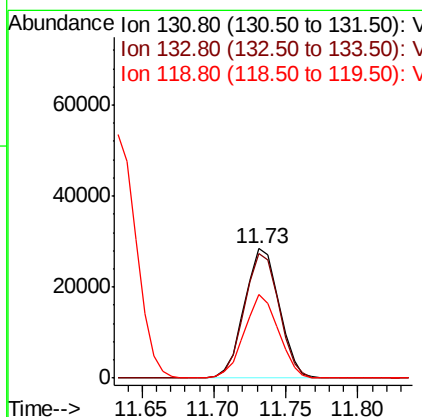
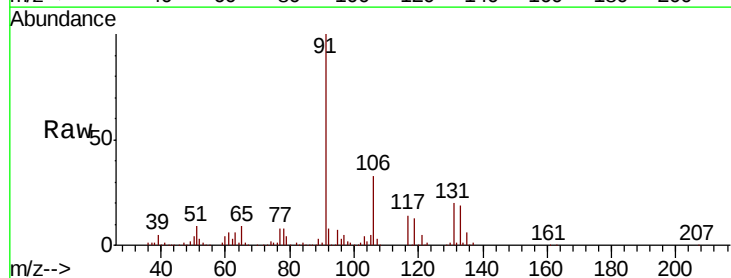
Manual Integrations
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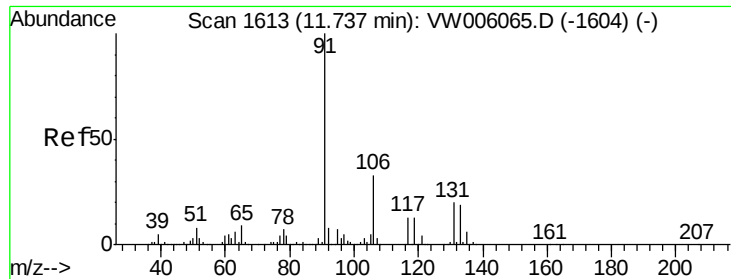
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 23.105 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.01 min
Lab File: VW006495.D
Acq: 30 Oct 2018 12:25

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.3	48.1	144.3
119	63.7	31.6	94.7





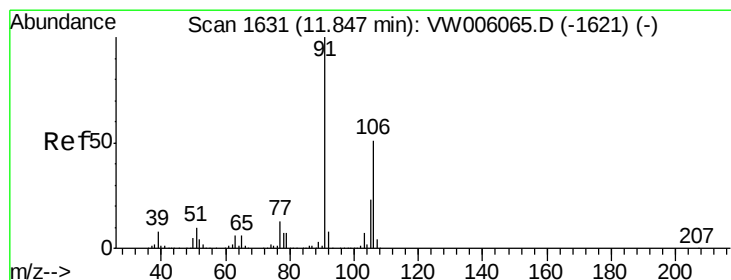
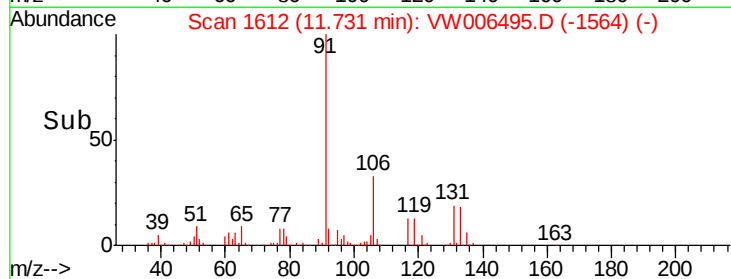
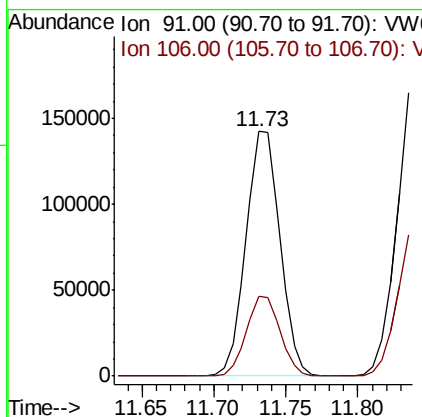
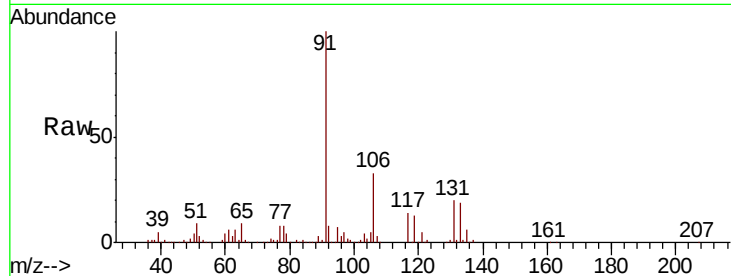
#67
Ethyl Benzene
Concen: 23.159 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.01 min
Lab File: VW006495.D
Acq: 30 Oct 2018 12:25

Instrument :
MSVOA_W
ClientSampleId :
VW1031SBS02

Tot Ion: 91 Resp: 233176
Ion Ratio Lower Upper
91 100
106 32.5 26.1 39.1

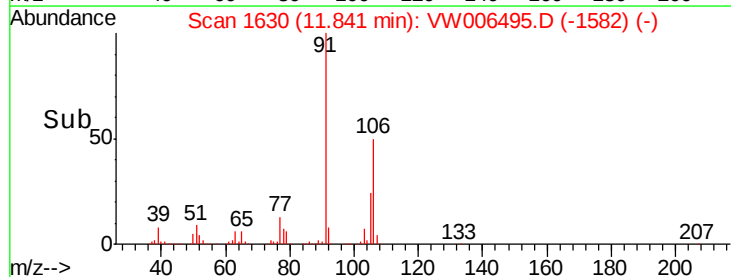
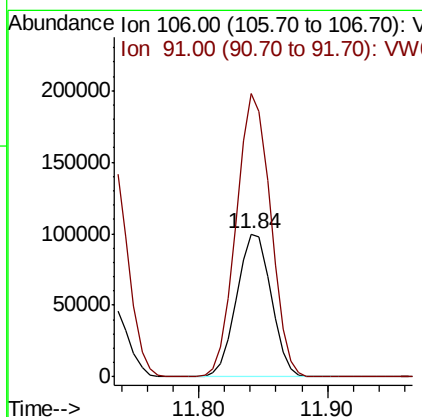
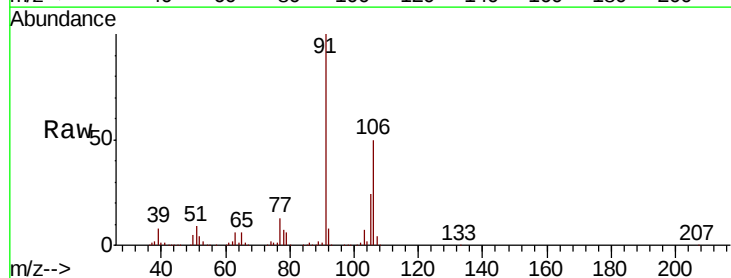
Manual Integrations
APPROVED

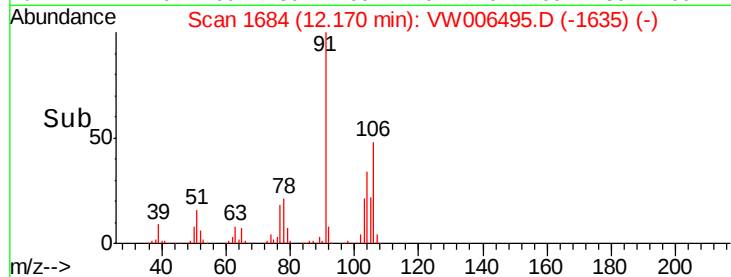
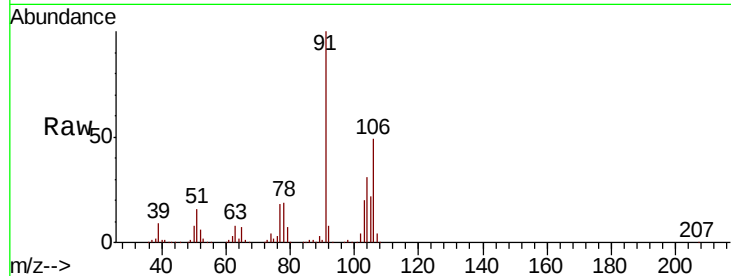
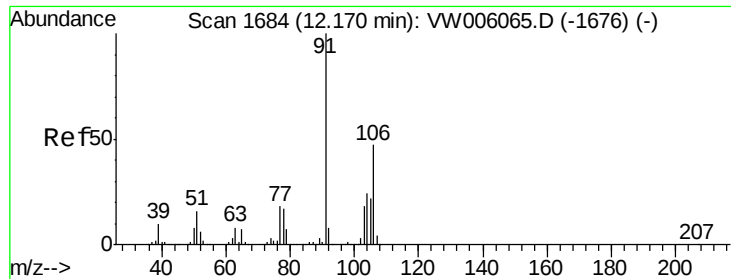
MMDadoda
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#68
m/p-Xylenes
Concen: 46.725 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.01 min
Lab File: VW006495.D
Acq: 30 Oct 2018 12:25

Tgt Ion: 106 Resp: 185944
Ion Ratio Lower Upper
106 100
91 196.9 159.1 238.7





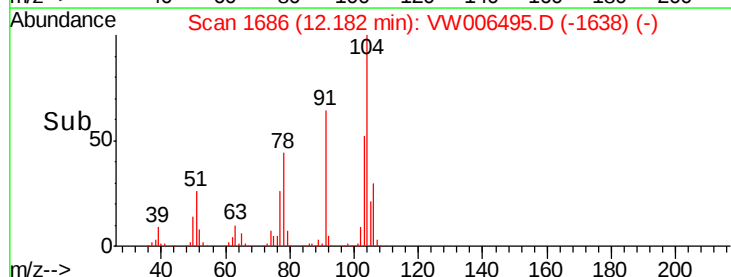
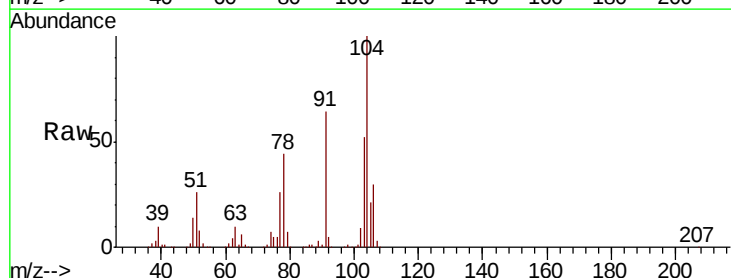
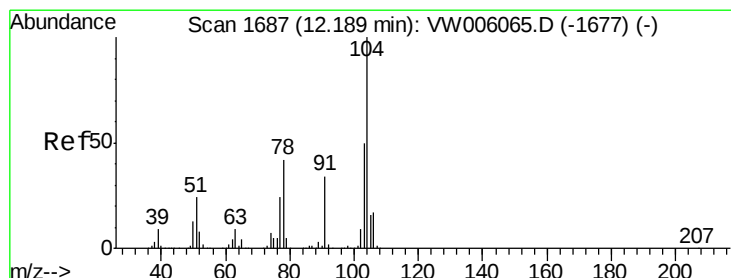
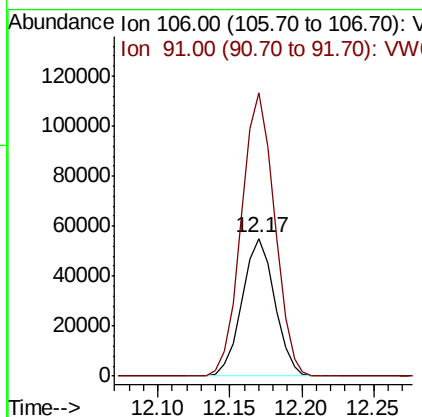
#69
o-Xylene
Concen: 22.842 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW006495.D
Acq: 30 Oct 2018 12:25

Tot Ion:106 Resp: 86631
Ion Ratio Lower Upper
106 100
91 209.0 105.4 316.1

Instrument :
MSVOA_W
ClientSampleId :
VW1031SBSD02

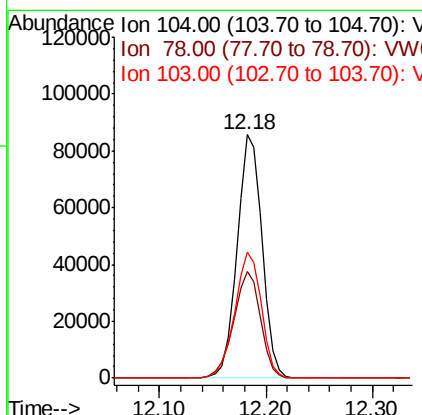
Manual Integrations
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#70
Styrene
Concen: 22.841 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.01 min
Lab File: VW006495.D
Acq: 30 Oct 2018 12:25

Tgt Ion:104 Resp: 140865
Ion Ratio Lower Upper
104 100
78 47.4 39.1 58.7
103 55.4 44.3 66.5





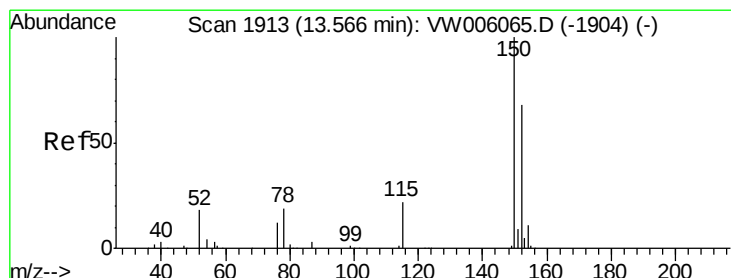
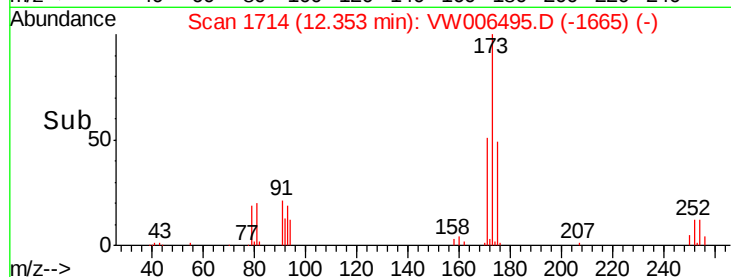
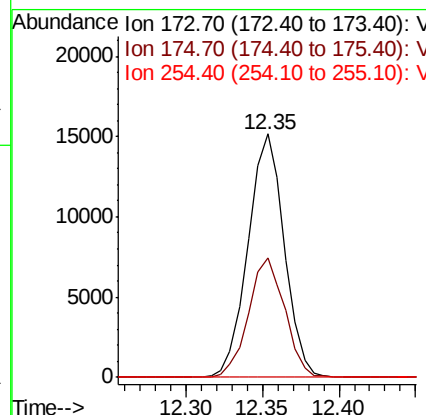
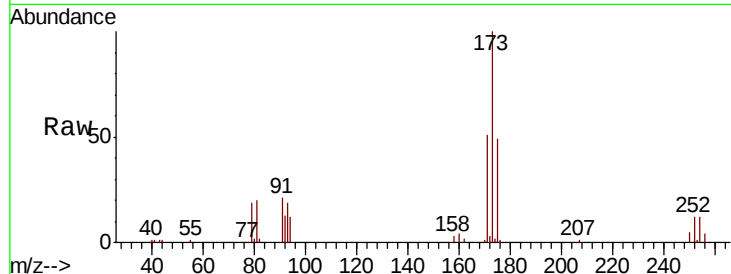
#71
Bromoform
Concen: 21.656 ug/l
RT: 12.35 min Scan# 1714
Delta R.T. -0.00 min
Lab File: VW006495.D
Acq: 30 Oct 2018 12:25

Instrument :
MSVOA_W
ClientSampleId :
VW1031SBSD02

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.2	24.2	72.6
254	0.0	0.1	0.1#

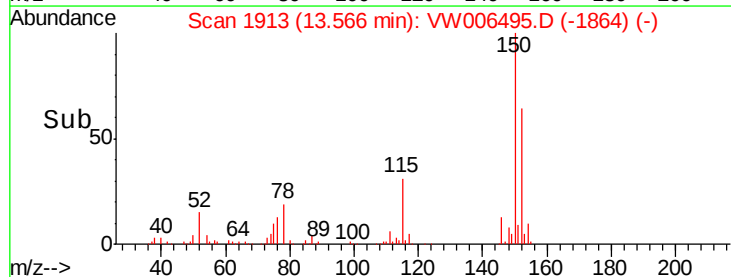
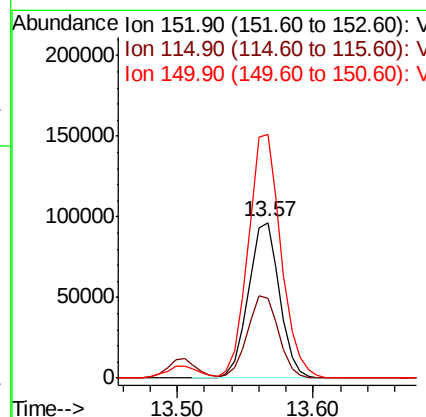
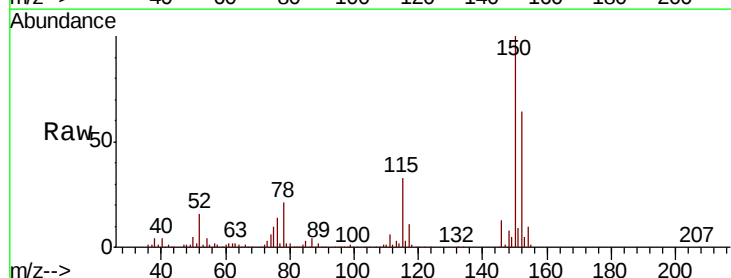
Manual Integrations
APPROVED

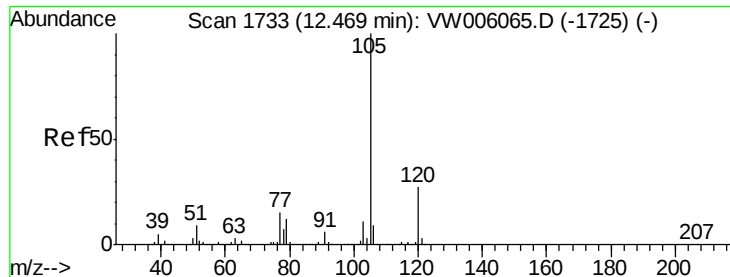
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. -0.00 min
Lab File: VW006495.D
Acq: 30 Oct 2018 12:25

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.3	27.8	83.3
150	165.7	0.0	349.2





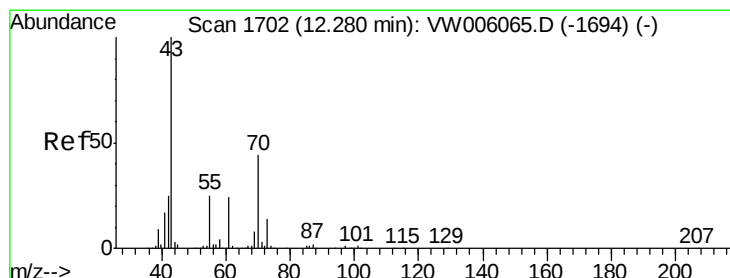
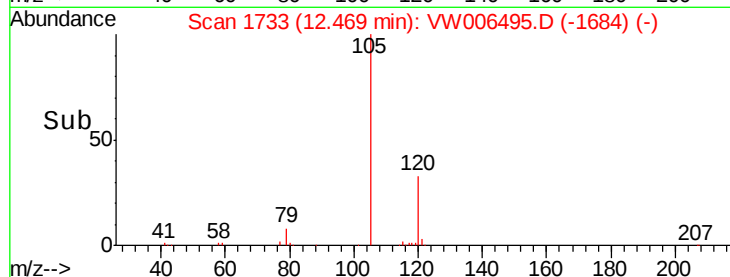
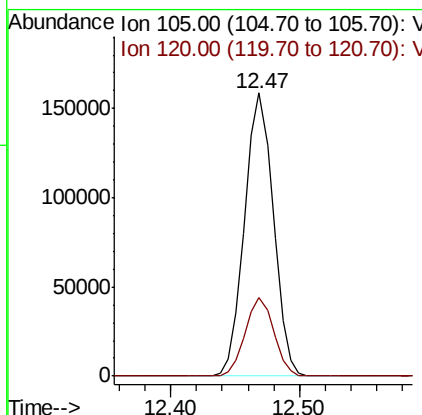
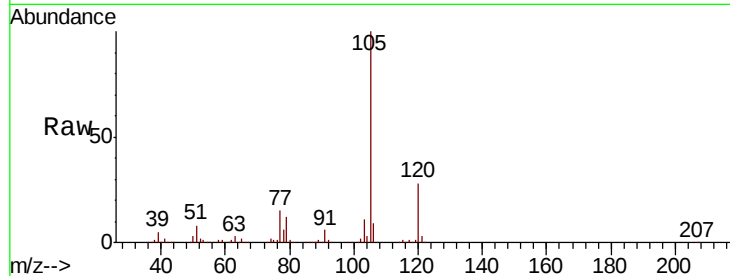
#73
Isopropylbenzene
Concen: 22.506 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VW006495.D
Acq: 30 Oct 2018 12:25

Instrument :
MSVOA_W
ClientSampleId :
VW1031SBS02

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.5	13.6	40.7

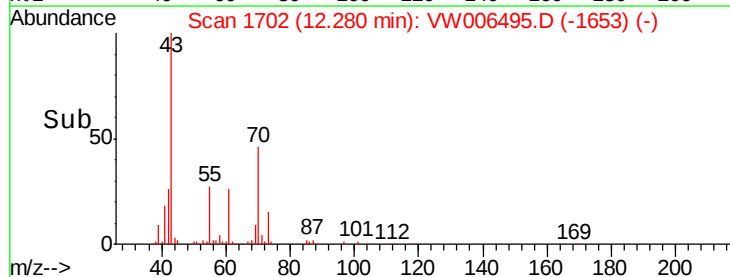
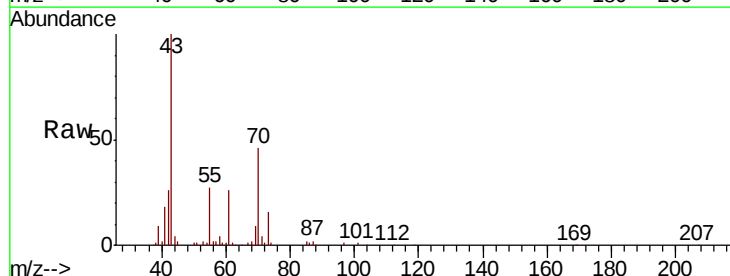
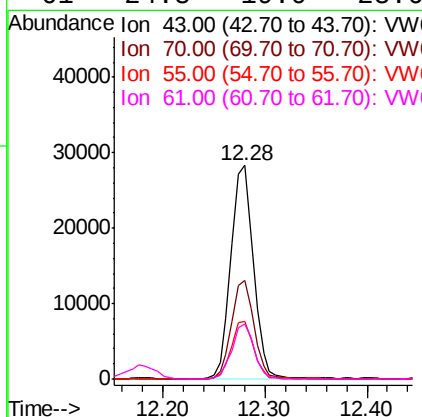
Manual Integrations
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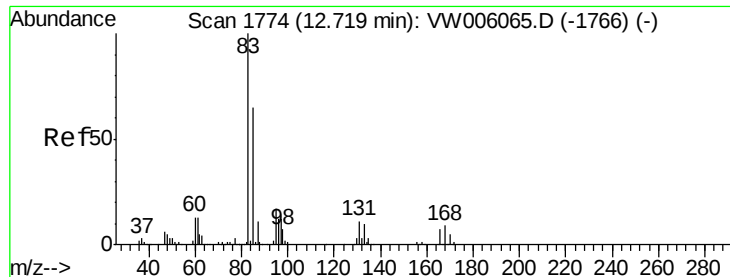
MMDadoda
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#74
N-ethyl acetate
Concen: 20.568 ug/l
RT: 12.28 min Scan# 1702
Delta R.T. -0.00 min
Lab File: VW006495.D
Acq: 30 Oct 2018 12:25

Tgt Ion	Ratio	Lower	Upper
43	100		
70	45.7	34.2	51.4
55	26.7	19.2	28.8
61	24.8	19.0	28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 23.863 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW006495.D

Acq: 30 Oct 2018 12:25

Instrument :

MSVOA_W

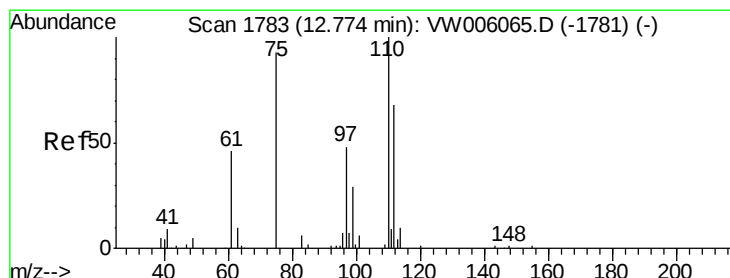
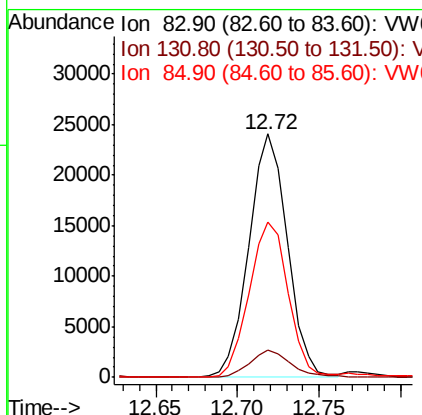
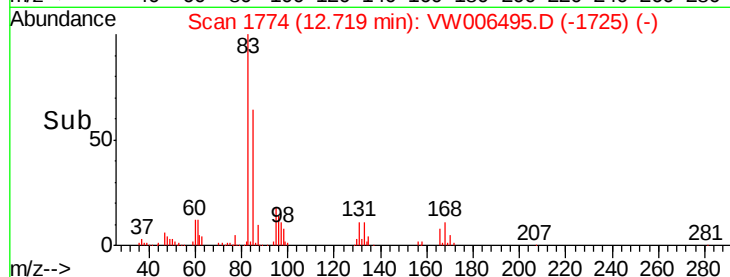
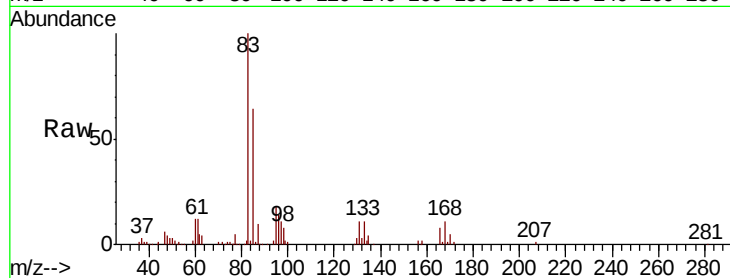
ClientSampleId :

VW1031SBSD02

Tot Ion:	83	Resp:	39592
Ion Ratio	Lower	Upper	
83	100		
131	11.9	5.9	17.7
85	64.5	31.9	95.9

Manual Integrations
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10/31/2018 12:31:34 PM



#76

1,2,3-Trichloropropane

Concen: 20.399 ug/l m

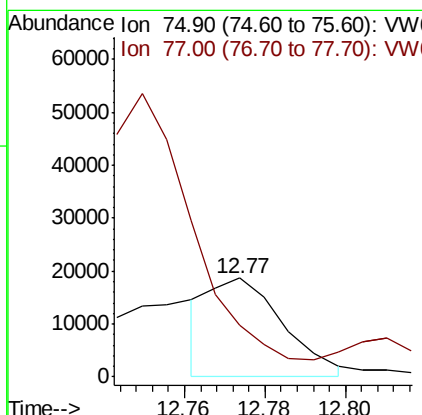
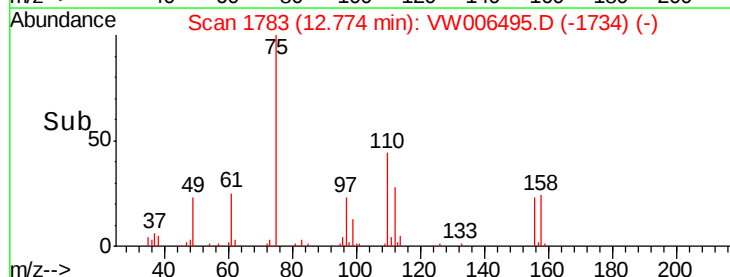
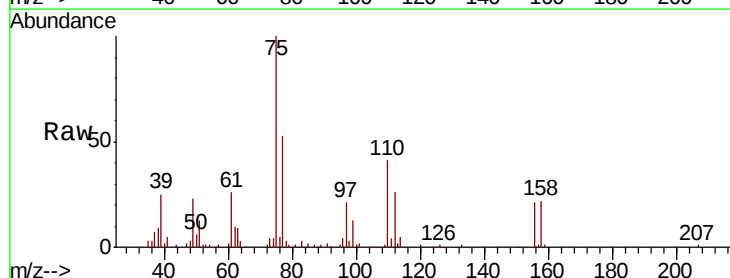
RT: 12.77 min Scan# 1783

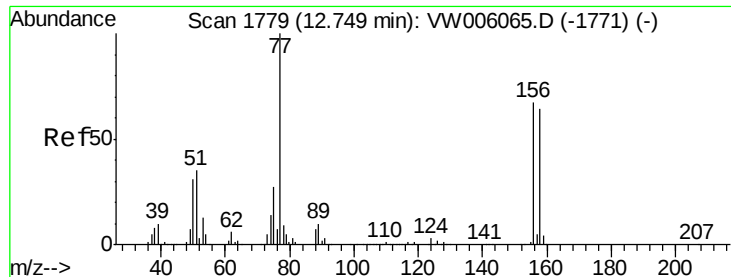
Delta R.T. -0.00 min

Lab File: VW006495.D

Acq: 30 Oct 2018 12:25

Tgt Ion:	75	Resp:	24058
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 23.286 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW006495.D

Acq: 30 Oct 2018 12:25

Instrument :

MSVOA_W

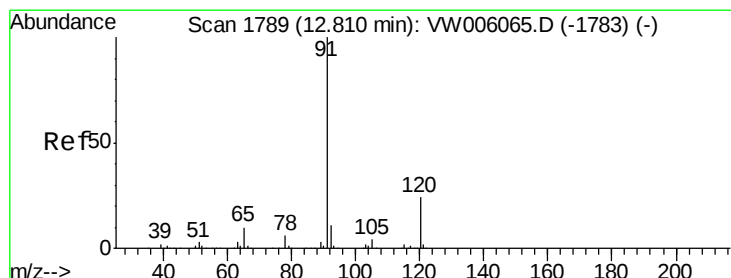
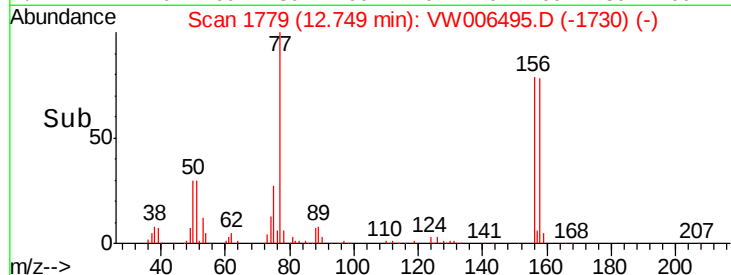
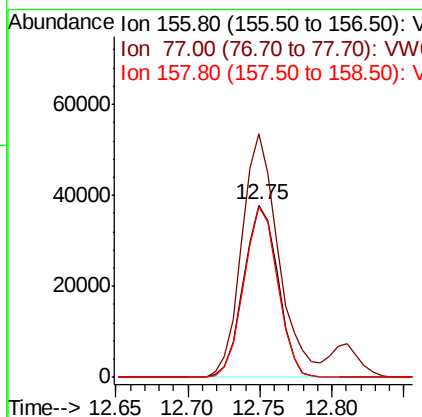
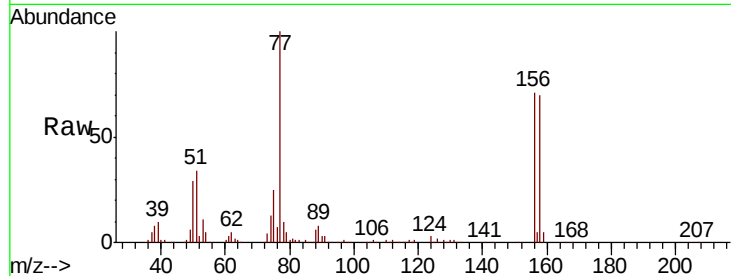
ClientSampleId :

VW1031SBS02

Tot Ion	Ratio	Lower	Upper
156	100		
77	153.0	79.1	237.4
158	97.7	48.5	145.6

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#78

n-propylbenzene

Concen: 22.746 ug/l

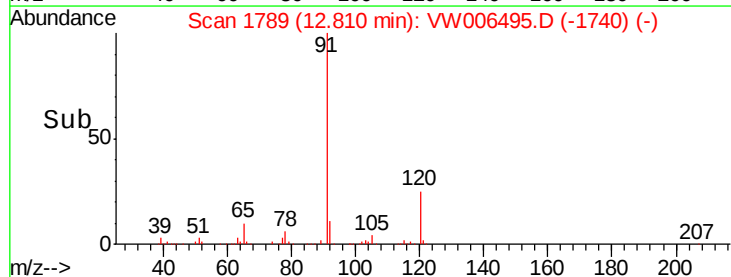
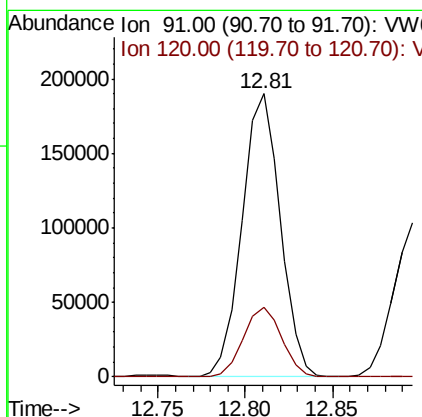
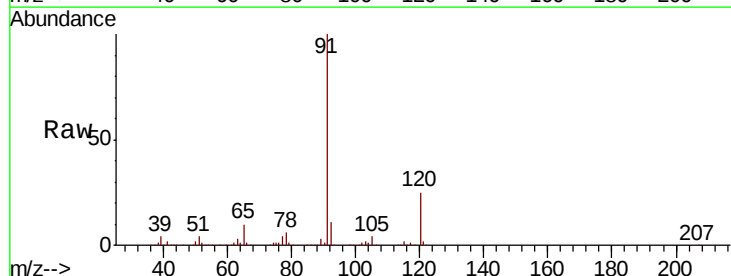
RT: 12.81 min Scan# 1789

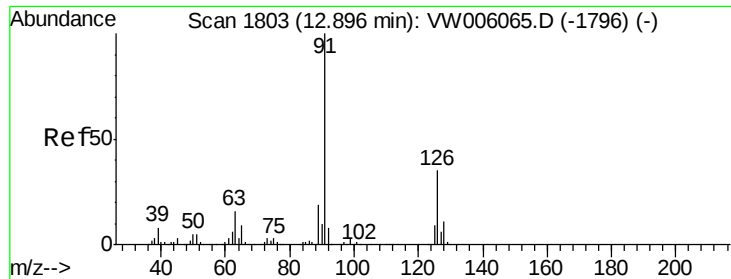
Delta R.T. -0.00 min

Lab File: VW006495.D

Acq: 30 Oct 2018 12:25

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.7	12.2	36.6





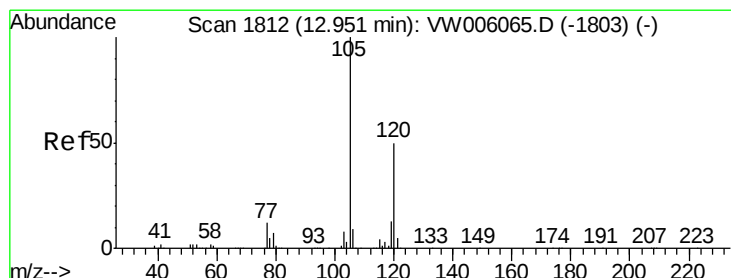
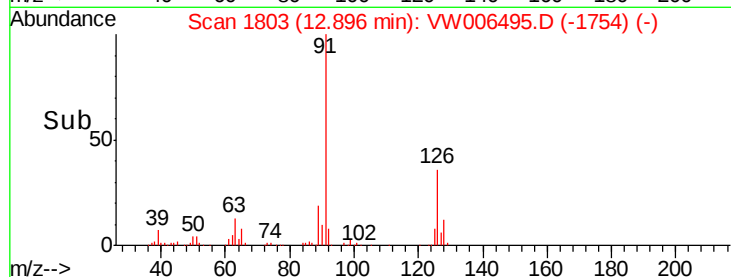
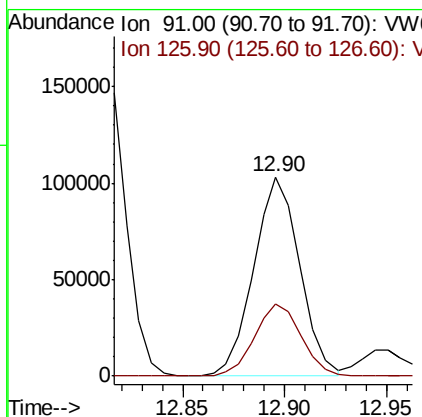
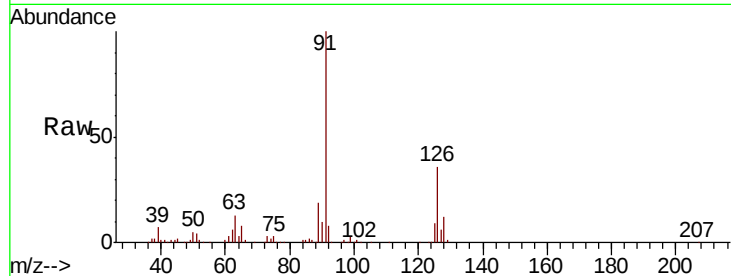
#79
 2-Chlorotoluene
 Concen: 22.652 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VW006495.D
 Acq: 30 Oct 2018 12:25

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1031SBS02

Tot Ion: 91 Resp: 161523
 Ion Ratio Lower Upper
 91 100
 126 36.8 17.9 53.8

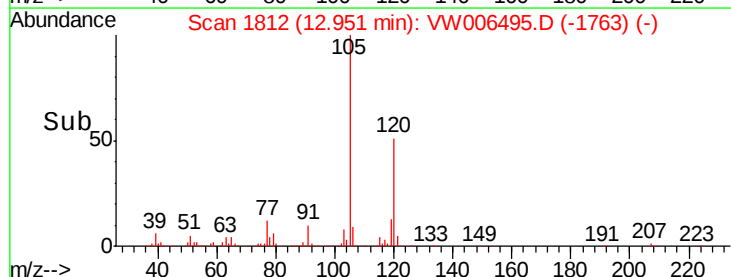
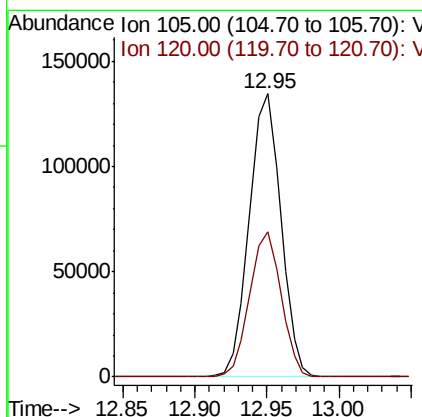
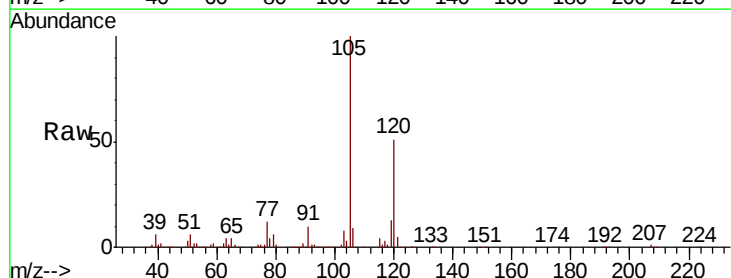
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#80
 1,3,5-Trimethylbenzene
 Concen: 22.263 ug/l
 RT: 12.95 min Scan# 1812
 Delta R.T. -0.00 min
 Lab File: VW006495.D
 Acq: 30 Oct 2018 12:25

Tgt Ion: 105 Resp: 204732
 Ion Ratio Lower Upper
 105 100
 120 51.0 24.9 74.6





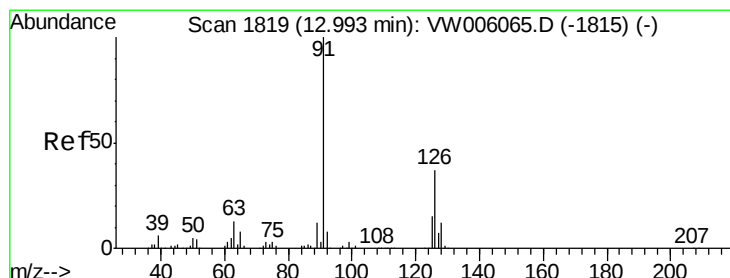
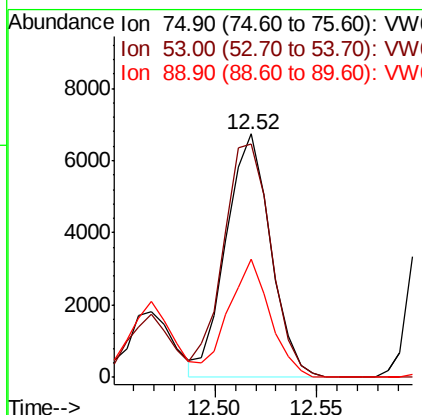
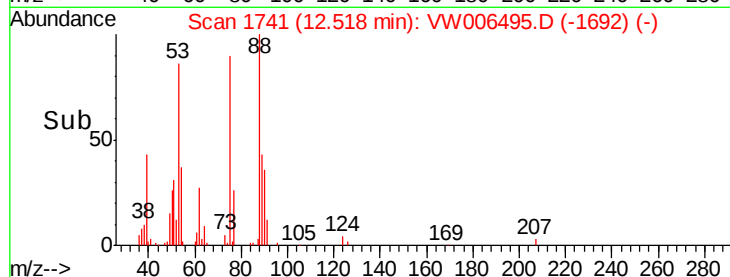
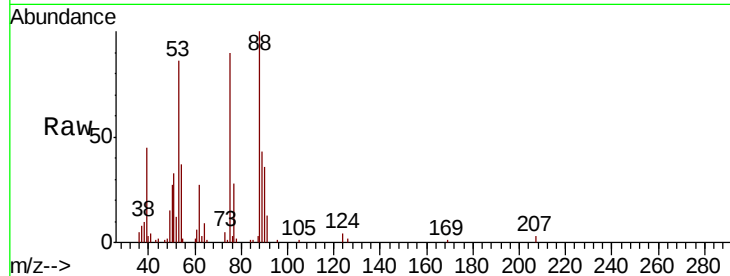
#81
trans-1,4-Dichloro-2-butene
Concen: 20.721 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VW006495.D
Acq: 30 Oct 2018 12:25

Instrument :
MSVOA_W
ClientSampleId :
VW1031SBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	103.4	79.8	119.6
89	44.9	37.5	56.3

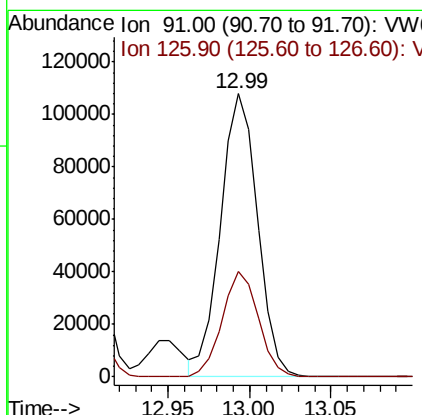
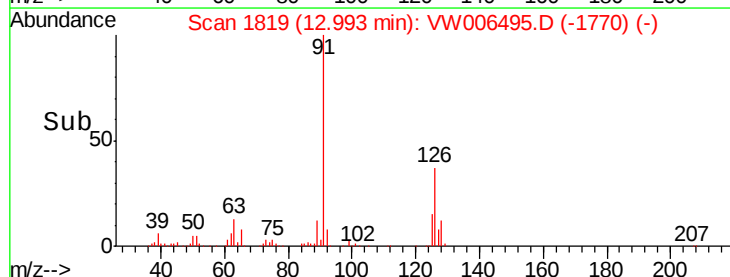
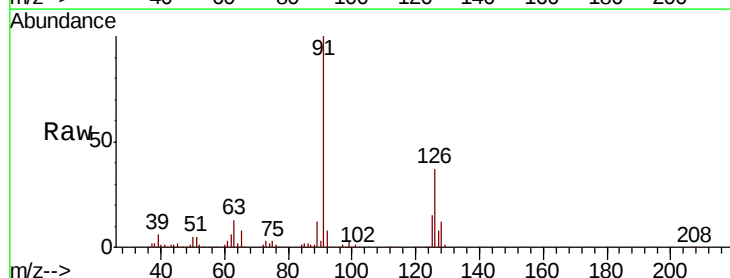
Manual Integrations
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#82
4-Chlorotoluene
Concen: 22.825 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW006495.D
Acq: 30 Oct 2018 12:25

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.5	18.1	54.3





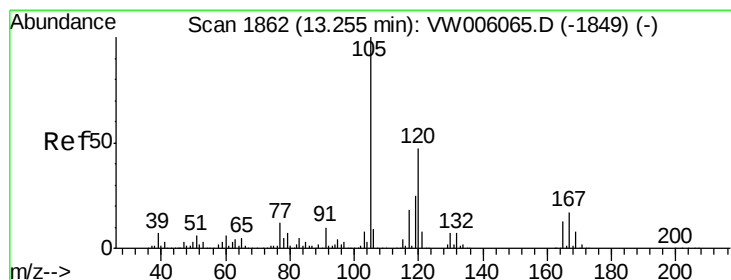
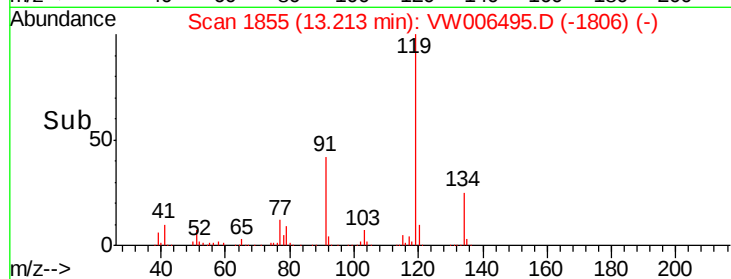
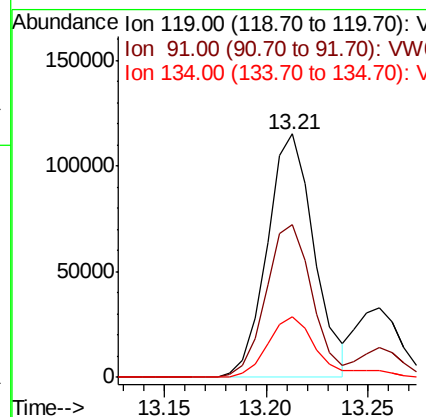
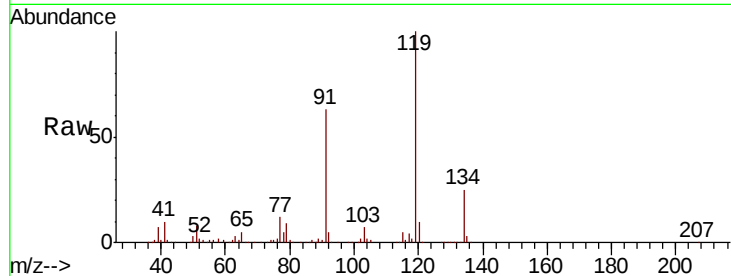
#83
tert-Butylbenzene
Concen: 22.541 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. -0.00 min
Lab File: VW006495.D
Acq: 30 Oct 2018 12:25

Instrument :
MSVOA_W
ClientSampleId :
VW1031SBS02

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.9	32.3	96.9
134	27.0	13.6	40.8

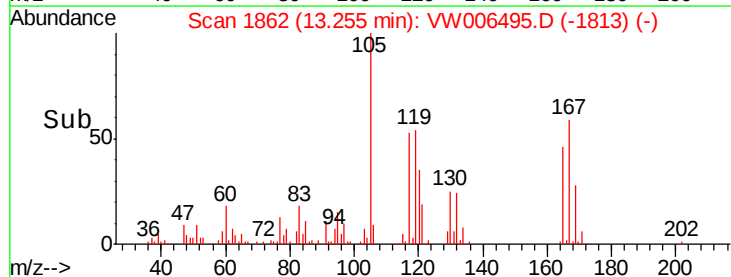
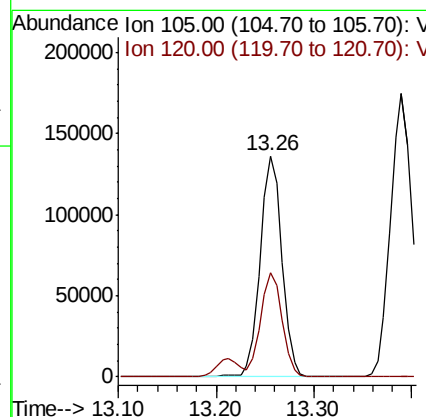
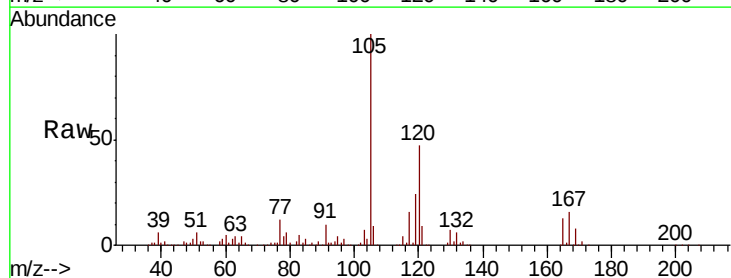
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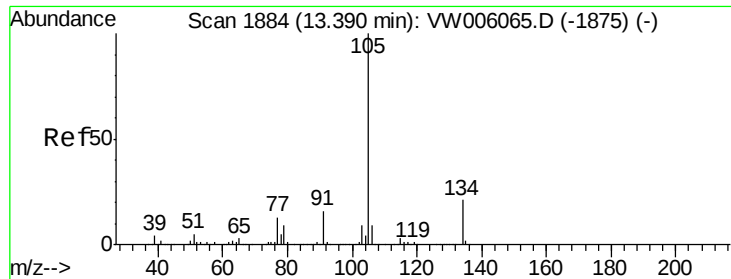
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#84
1,2,4-Trimethylbenzene
Concen: 22.604 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW006495.D
Acq: 30 Oct 2018 12:25

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.3	23.1	69.3





#85

sec-Butylbenzene

Concen: 22.926 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VW006495.D

Acq: 30 Oct 2018 12:25

Instrument :

MSVOA_W

ClientSampleId :

VW1031SBS02

Tot Ion:105 Resp: 266484

Ion Ratio Lower Upper

105 100

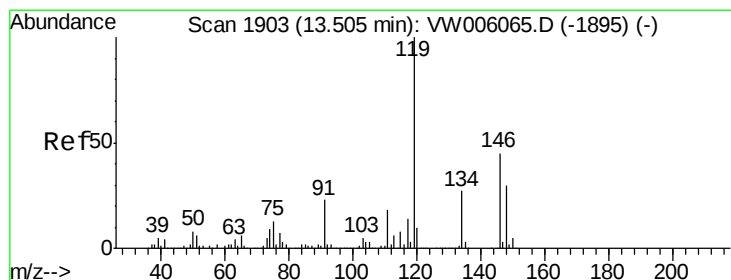
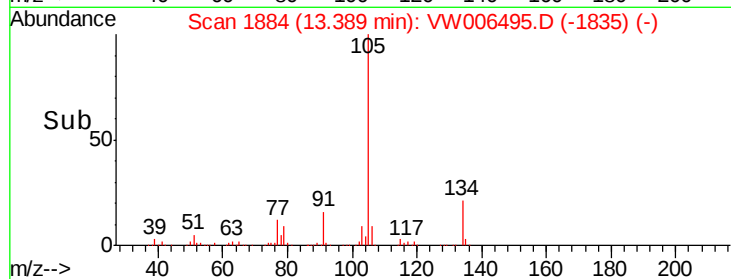
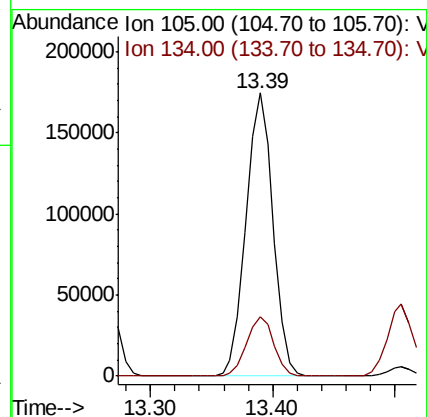
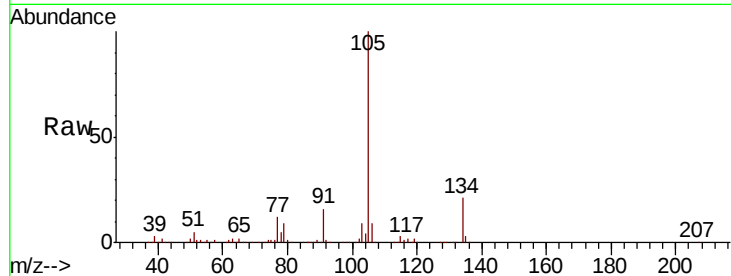
134 21.1 10.5 31.6

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#86

p-Isopropyltoluene

Concen: 22.963 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. -0.00 min

Lab File: VW006495.D

Acq: 30 Oct 2018 12:25

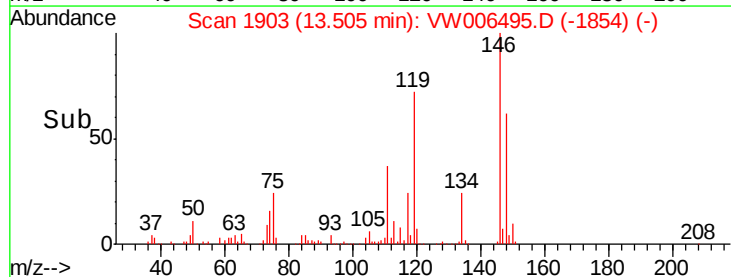
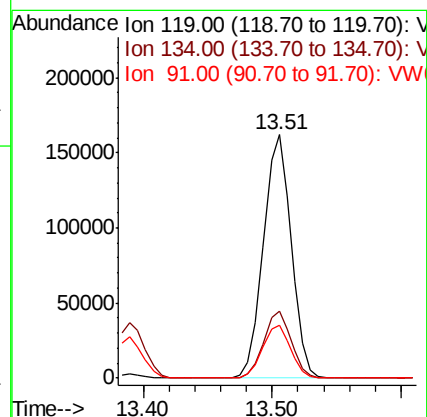
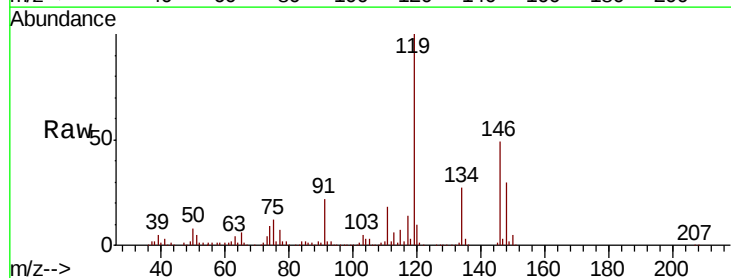
Tgt Ion:119 Resp: 241420

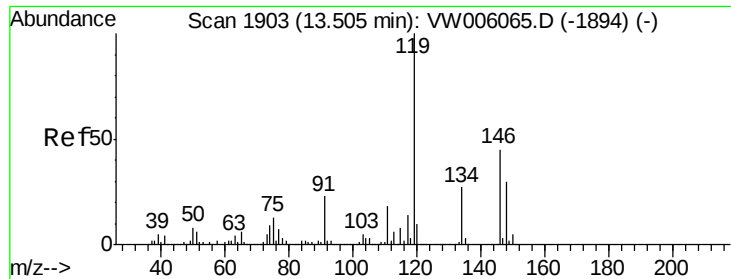
Ion Ratio Lower Upper

119 100

134 27.1 13.4 40.2

91 21.8 11.4 34.1





#87

1,3-Dichlorobenzene

Concen: 23.546 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. -0.00 min

Lab File: VW006495.D

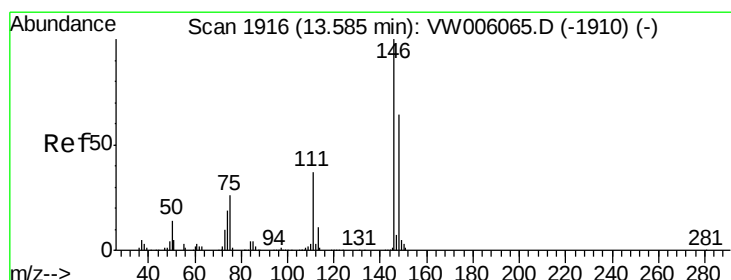
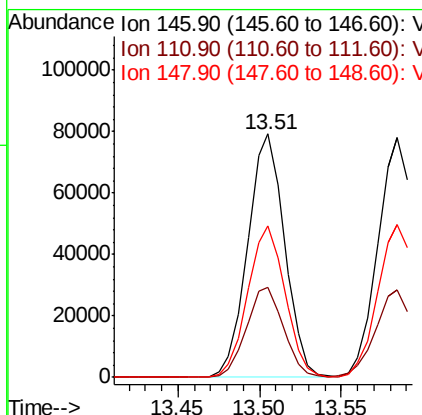
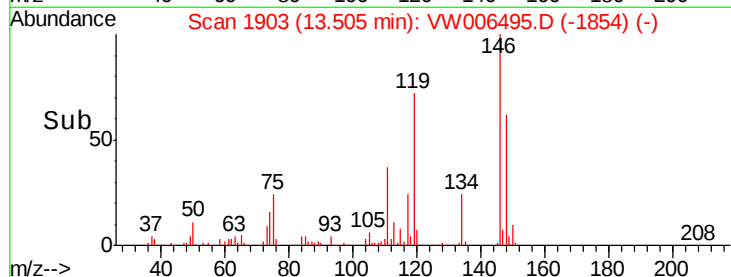
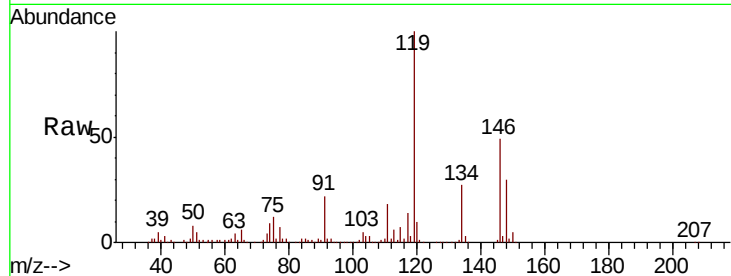
Acq: 30 Oct 2018 12:25

Instrument :
MSVOA_W
ClientSampleId :
VW1031SBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	19.1	57.5
148	63.0	32.0	96.2

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#88

1,4-Dichlorobenzene

Concen: 23.351 ug/l

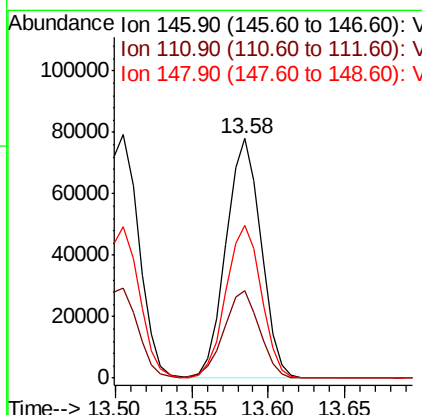
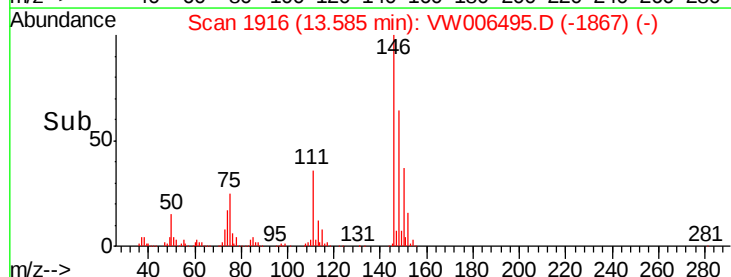
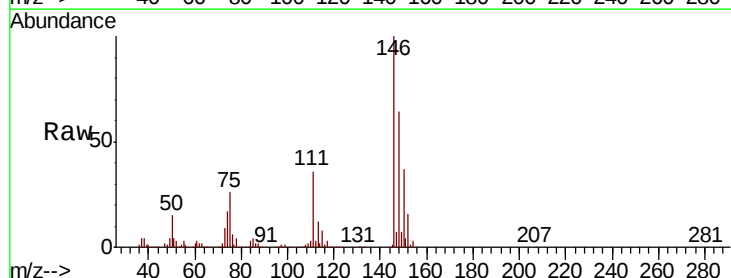
RT: 13.58 min Scan# 1916

Delta R.T. -0.00 min

Lab File: VW006495.D

Acq: 30 Oct 2018 12:25

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.6	56.0
148	64.4	32.1	96.5





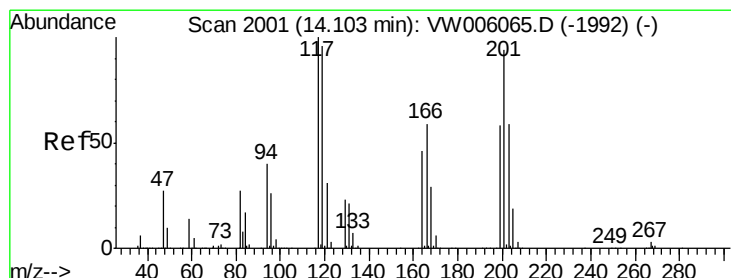
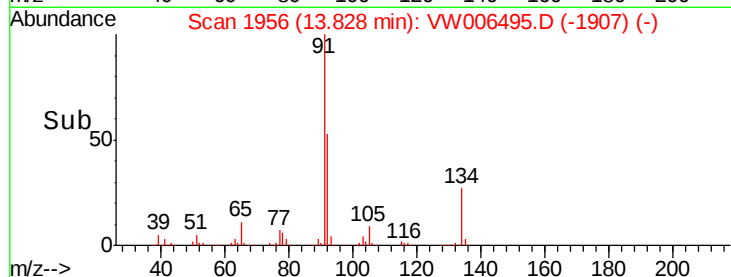
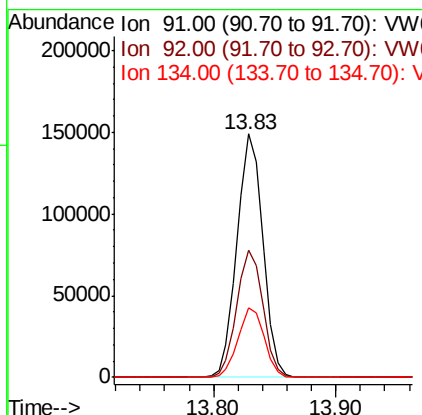
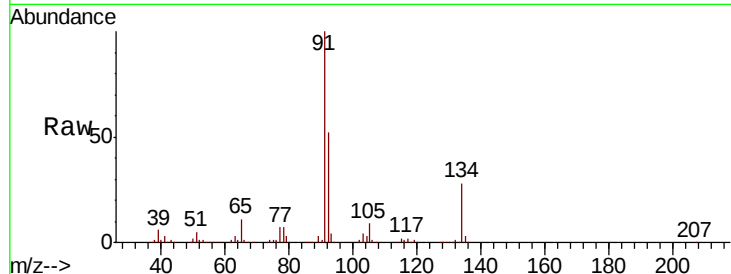
#89
n-Butylbenzene
Concen: 22.679 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW006495.D
Acq: 30 Oct 2018 12:25

Instrument :
MSVOA_W
ClientSampleId :
VW1031SBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.6	79.7
134	29.0	14.0	41.9

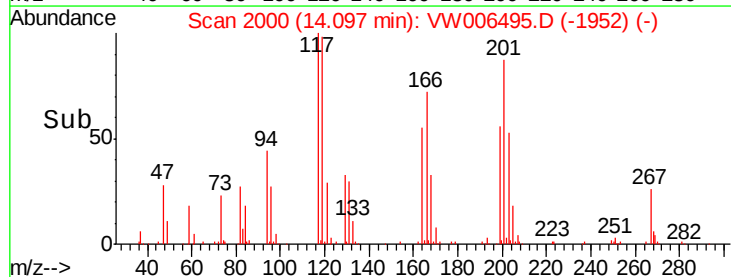
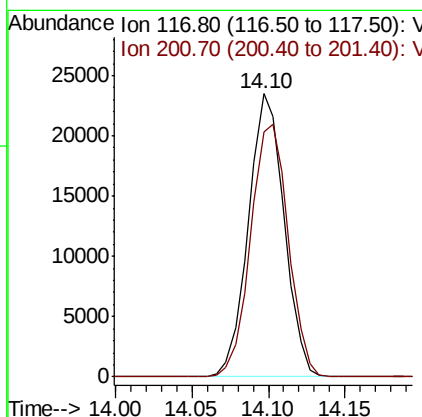
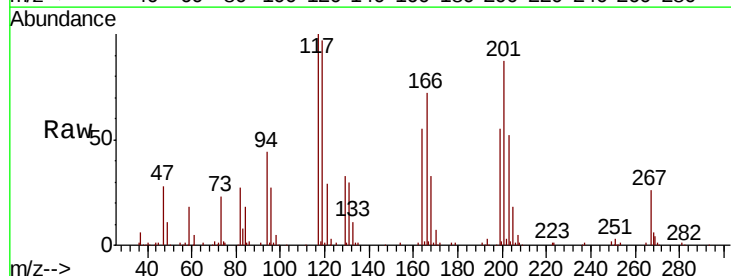
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#90
Hexachloroethane
Concen: 21.450 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.01 min
Lab File: VW006495.D
Acq: 30 Oct 2018 12:25

Tgt Ion	Ratio	Lower	Upper
117	100		
201	94.0	45.3	135.9





#91

1,2-Dichlorobenzene

Concen: 23.195 ug/l

RT: 13.88 min Scan# 1964

Delta R.T. -0.00 min

Lab File: VW006495.D

Acq: 30 Oct 2018 12:25

Instrument :

MSVOA_W

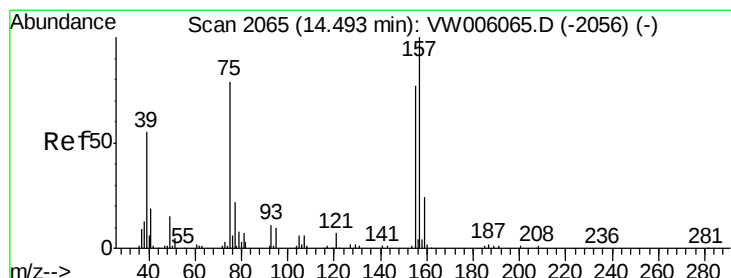
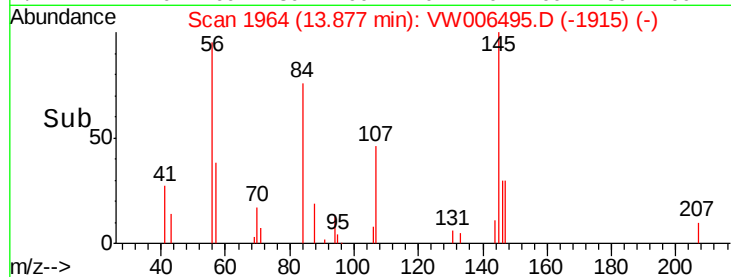
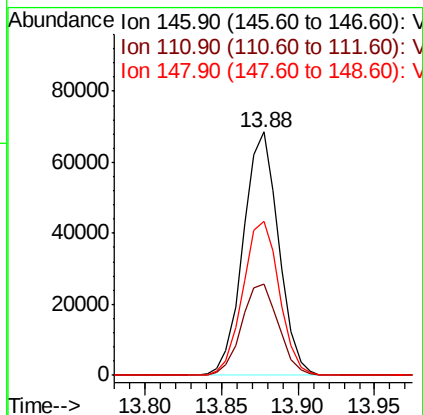
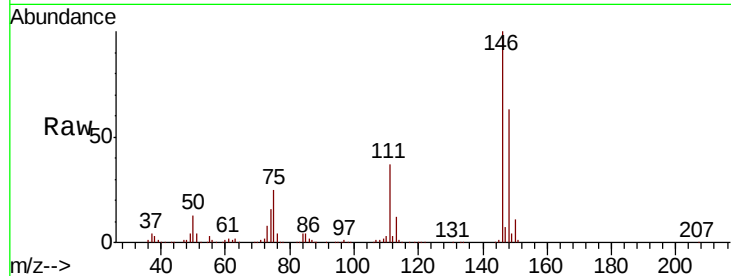
ClientSampleId :

VW1031SBS02

Tot Ion:	146	Resp:	110017
Ion Ratio	Lower	Upper	
146	100		
111	39.1	19.6	58.7
148	65.2	32.2	96.6

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 21.461 ug/l

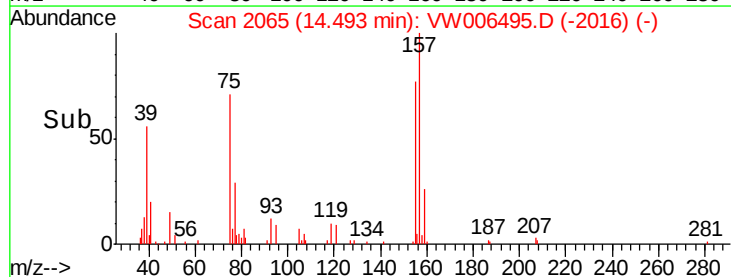
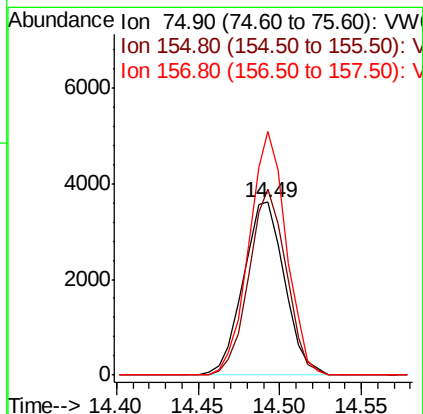
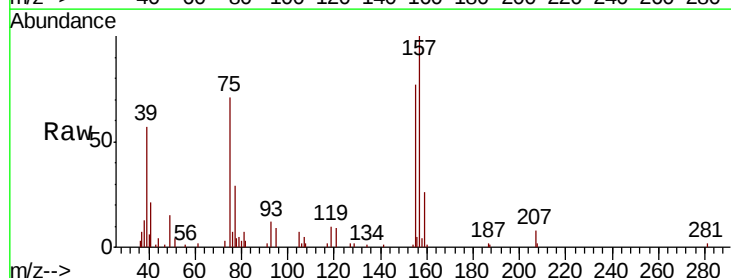
RT: 14.49 min Scan# 2065

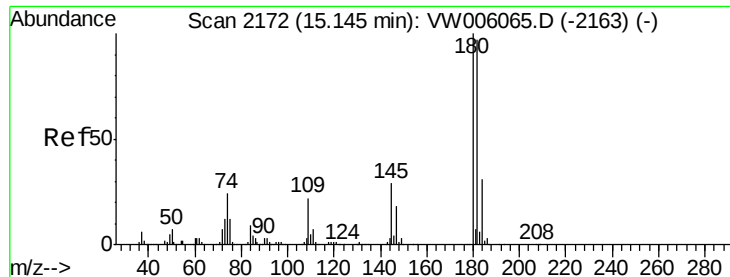
Delta R.T. -0.00 min

Lab File: VW006495.D

Acq: 30 Oct 2018 12:25

Tgt Ion:	75	Resp:	6375
Ion Ratio	Lower	Upper	
75	100		
155	97.3	46.5	139.5
157	126.8	59.8	179.4





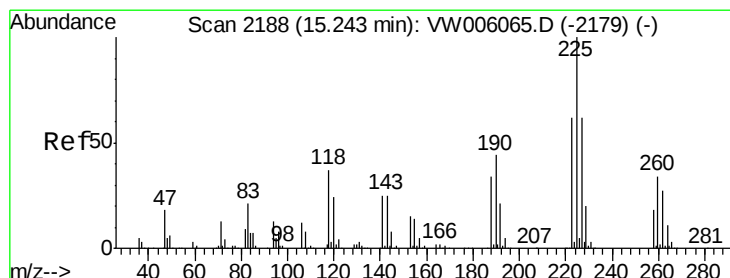
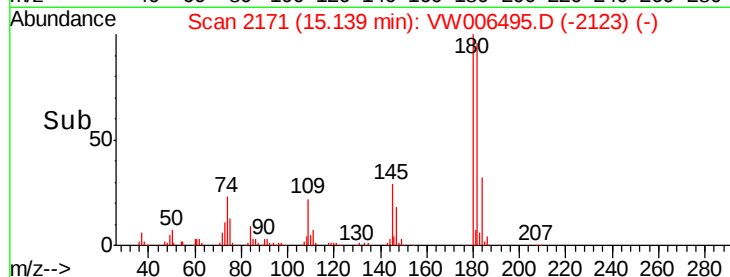
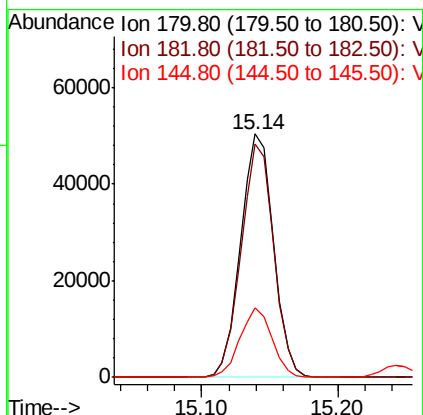
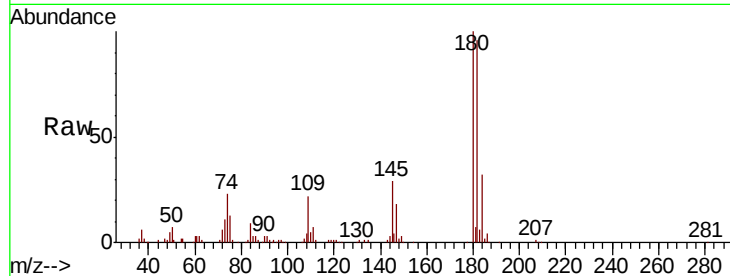
#93
 1,2,4-Trichlorobenzene
 Concen: 23.300 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.01 min
 Lab File: VW006495.D
 Acq: 30 Oct 2018 12:25

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1031SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.4	47.9	143.6	
145	28.1	14.2	42.8	

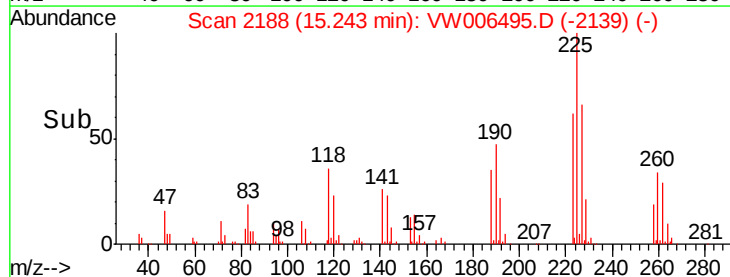
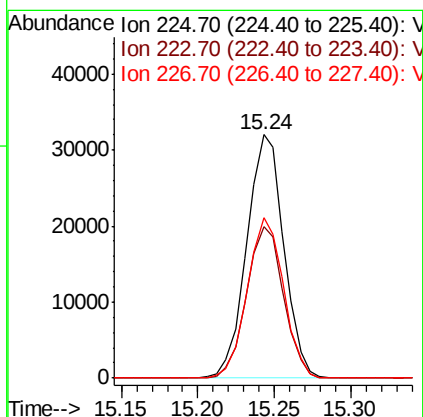
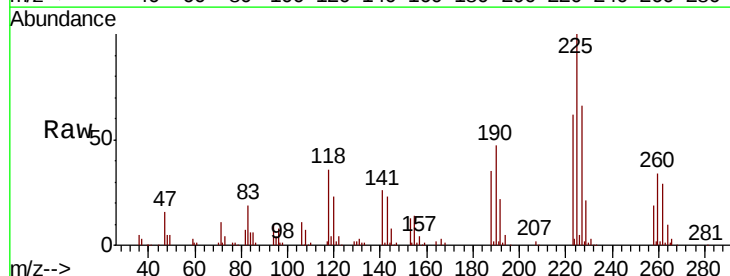
Manual Integrations
 APPROVED

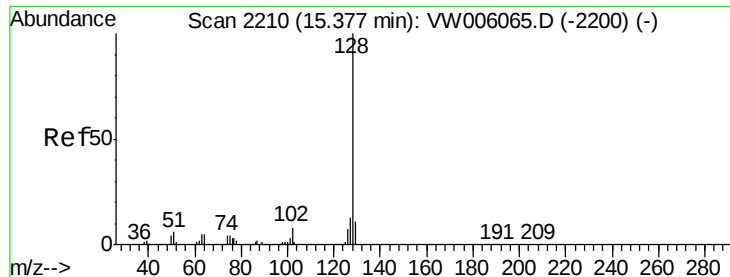
MMDadoda
 10/31/2018 12:31:34 PM



#94
 Hexachlorobutadiene
 Concen: 23.447 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW006495.D
 Acq: 30 Oct 2018 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.3	31.1	93.5	
227	64.8	32.4	97.0	





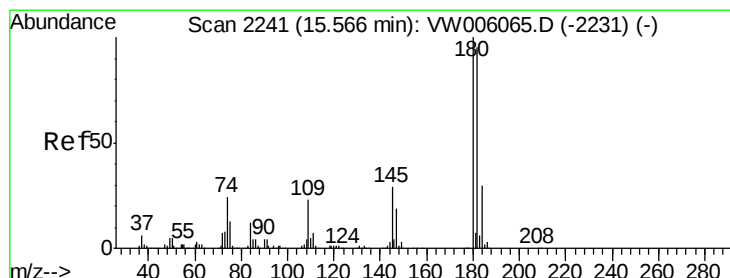
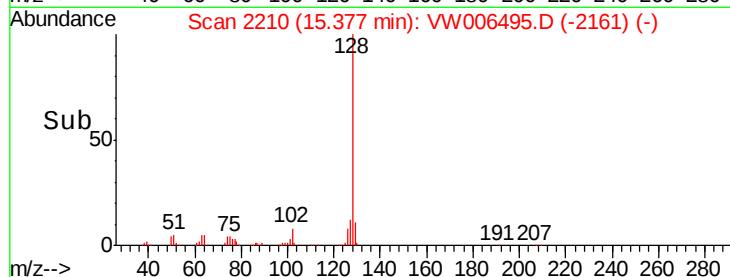
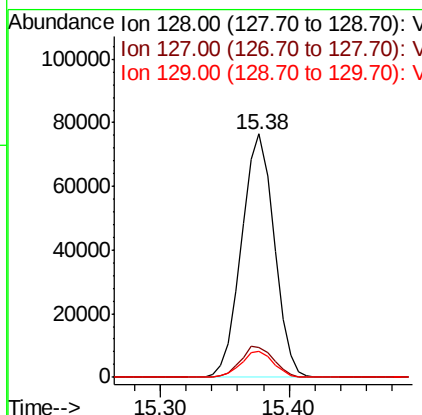
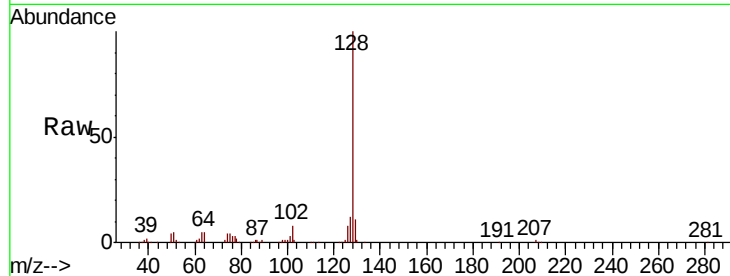
#95
Naphthalene
Concen: 22.108 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW006495.D
Acq: 30 Oct 2018 12:25

Instrument :
MSVOA_W
ClientSampleId :
VW1031SBS02

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.3	15.5
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
10/31/2018 12:31:34 PM



#96
1,2,3-Trichlorobenzene
Concen: 23.454 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VW006495.D
Acq: 30 Oct 2018 12:25

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.8	143.3
145	29.7	15.0	45.1

