

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW101818\
 Data File : VW006206.D
 Acq On : 19 Oct 2018 06:30
 Operator : VA/AP
 Sample : J5565-06MSD
 Misc : 5.03G/5ML/MSVOA_W/SOIL
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 RLF-SD-5MSD

Manual Integrations
 APPROVED

apatel
 10/19/2018 12:54:30 PM

Quant Time: Oct 19 08:24:52 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	176863	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	260925	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	195812	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	65795	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	80818	55.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.24%	
35) Dibromofluoromethane	7.88	113	79056	51.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.56%	
50) Toluene-d8	10.32	98	263048	44.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.68%	
62) 4-Bromofluorobenzene	12.62	95	70427	31.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	63.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	52573	60.07	ug/l	96
3) Chloromethane	2.21	50	61963	55.00	ug/l	98
4) Vinyl Chloride	2.37	62	95654	59.45	ug/l	99
5) Bromomethane	2.78	94	54300	37.11	ug/l	99
6) Chloroethane	2.93	64	67548	58.58	ug/l	99
7) Trichlorofluoromethane	3.26	101	73907	49.31	ug/l	99
8) Diethyl Ether	3.68	74	51670	64.87	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	4.06	101	81047	51.60	ug/l	98
10) Methyl Iodide	4.27	142	62521	23.91	ug/l	99
11) Tert butyl alcohol	5.22	59	27052	274.32	ug/l	99
12) 1,1-Dichloroethene	4.03	96	85989	58.19	ug/l	99
14) Allyl chloride	4.67	41	81165	38.41	ug/l	100
15) Acrylonitrile	5.37	53	75393	263.88	ug/l	100
16) Acetone	4.14	43	73862	269.67	ug/l	99
17) Carbon Disulfide	4.38	76	118715	26.62	ug/l	99
18) Methyl Acetate	4.68	43	90151	122.17	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	144758	64.32	ug/l	94
20) Methylene Chloride	4.91	84	102987	66.93	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	96134	58.28	ug/l	99
22) Diisopropyl ether	6.32	45	256557	61.44	ug/l	96
23) Vinyl Acetate	6.32	43	135358	54.93	ug/l	# 72
24) 1,1-Dichloroethane	6.21	63	167330	62.11	ug/l	99
25) 2-Butanone	7.18	43	102267	258.17	ug/l	99
26) 2,2-Dichloropropane	7.17	77	81038	42.65	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	108558	59.64	ug/l	97
28) Bromochloromethane	7.51	49	67592	64.98	ug/l	96
29) Tetrahydrofuran	7.54	42	76185	312.90	ug/l	98
30) Chloroform	7.68	83	180724	61.57	ug/l	98
31) Cyclohexane	7.95	56	103237	38.48	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	140786	53.17	ug/l	99
36) 1,1-Dichloropropene	8.08	75	121602	50.56	ug/l	99
37) Ethyl Acetate	7.26	43	4127m	4.62	ug/l	
38) Carbon Tetrachloride	8.07	117	111519	42.30	ug/l	97
39) Methylcyclohexane	9.34	83	83850	26.23	ug/l	97

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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)
40) Benzene	8.32	78	370201	56.12	ug/l	99
41) Methacrylonitrile	7.49	41	23485	43.60	ug/l	95
42) 1,2-Dichloroethane	8.40	62	117483	60.61	ug/l	100
43) Isopropyl Acetate	8.43	43	19015	10.41	ug/l #	61
44) Trichloroethene	9.09	130	104923	51.84	ug/l	99
45) 1,2-Dichloropropane	9.37	63	88409	56.00	ug/l	99
46) Dibromomethane	9.46	93	55701	61.91	ug/l	99
47) Bromodichloromethane	9.65	83	102976	47.21	ug/l	99
48) Methyl methacrylate	9.44	41	52669	60.82	ug/l	99
49) 1,4-Dioxane	9.47	88	16477	1189.56	ug/l #	97
51) 4-Methyl-2-Pentanone	10.21	43	259719	283.72	ug/l	98
52) Toluene	10.39	92	219408	49.61	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	83789	38.55	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	86491	34.67	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	70026	55.62	ug/l	99
56) Ethyl methacrylate	10.65	69	7482	4.85	ug/l #	75
57) 1,3-Dichloropropane	10.93	76	117123	56.19	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	111901	189.72	ug/l	99
59) 2-Hexanone	10.97	43	151030	231.13	ug/l	98
60) Dibromochloromethane	11.13	129	66103	42.15	ug/l	99
61) 1,2-Dibromoethane	11.24	107	64199	51.03	ug/l	99
64) Tetrachloroethene	10.87	164	74996	49.34	ug/l	98
65) Chlorobenzene	11.66	112	218909	52.22	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	83102	55.79	ug/l	99
67) Ethyl Benzene	11.74	91	364612	50.19	ug/l	98
68) m/p-Xylenes	11.84	106	274817	95.71	ug/l	99
69) o-Xylene	12.17	106	135704	49.59	ug/l	99
70) Styrene	12.18	104	176821	39.74	ug/l	97
71) Bromoform	12.35	173	36612	44.06	ug/l #	100
73) Isopropylbenzene	12.47	105	305716	65.77	ug/l	100
74) N-amyl acetate	12.27	43	1023	1.13	ug/l #	80
75) 1,1,2,2-Tetrachloroethane	12.72	83	71161	100.66	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	55795m	111.03	ug/l	
77) Bromobenzene	12.75	156	84194	73.95	ug/l	96
78) n-propylbenzene	12.81	91	296656	54.86	ug/l	100
79) 2-Chlorotoluene	12.90	91	185831	61.16	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	221981	56.65	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	8092	38.49	ug/l #	85
82) 4-Chlorotoluene	12.99	91	187538	58.92	ug/l	100
83) tert-Butylbenzene	13.21	119	185360	52.87	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	223811	56.44	ug/l	99
85) sec-Butylbenzene	13.39	105	199819	40.34	ug/l	99
86) p-Isopropyltoluene	13.51	119	164150	36.64	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	113704	50.18	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	116373	51.58	ug/l	99
89) n-Butylbenzene	13.83	91	103206	25.19	ug/l	98
90) Hexachloroethane	14.10	117	23043	30.37	ug/l	97
91) 1,2-Dichlorobenzene	13.88	146	104052	51.48	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	9734	76.90	ug/l	100
93) 1,2,4-Trichlorobenzene	15.14	180	34907	22.45	ug/l	99

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ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
RLF-SD-5MSD

Manual Integrations
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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)
94) Hexachlorobutadiene	15.24	225	13086	13.40	ug/l	96
95) Naphthalene	15.38	128	96294	37.22	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	28856	21.45	ug/l	98

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

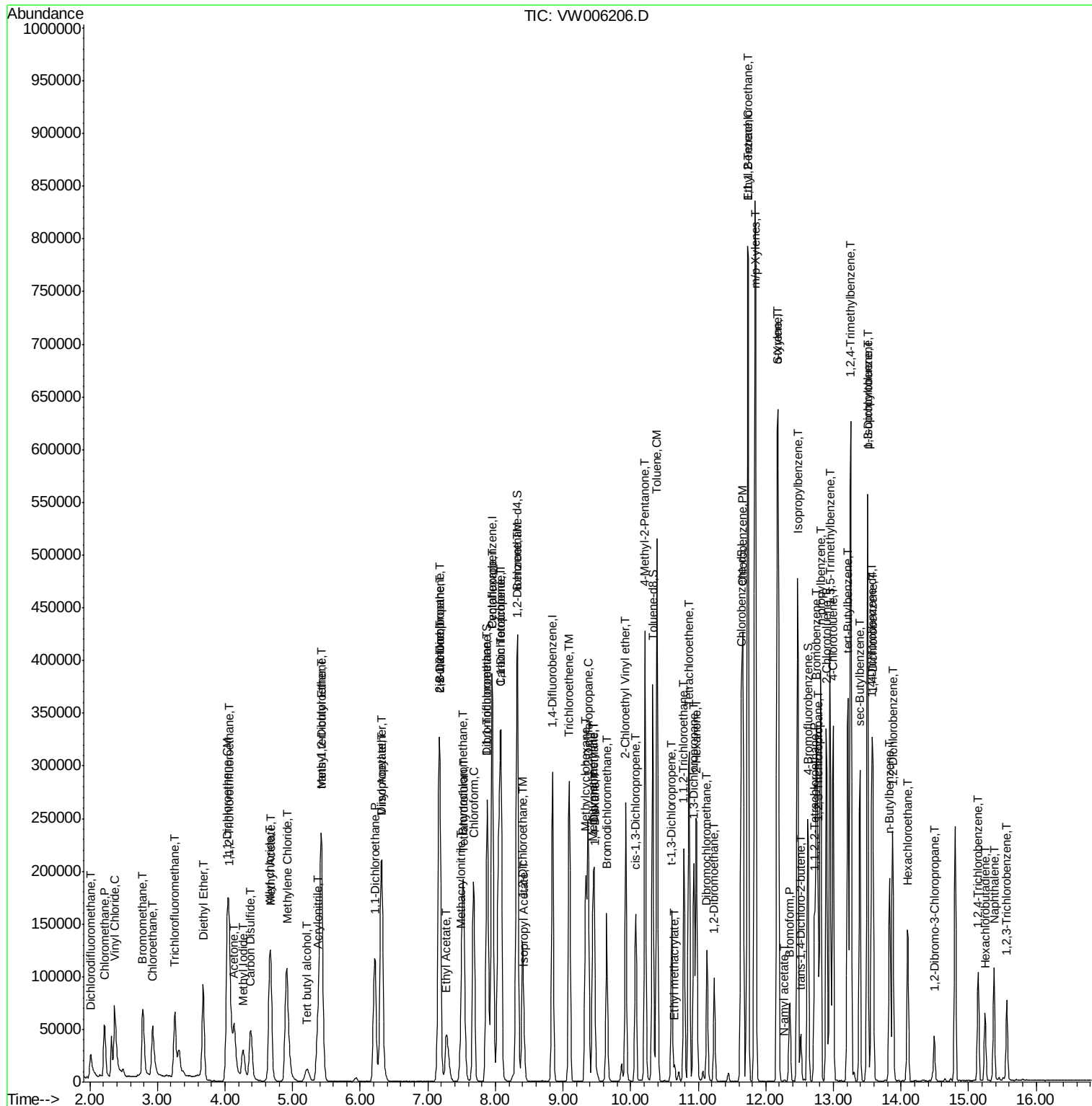
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Data File : VW006206.D
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Operator : VA/AP
Sample : J5565-06MSD
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ALS Vial : 43 Sample Multiplier: 1

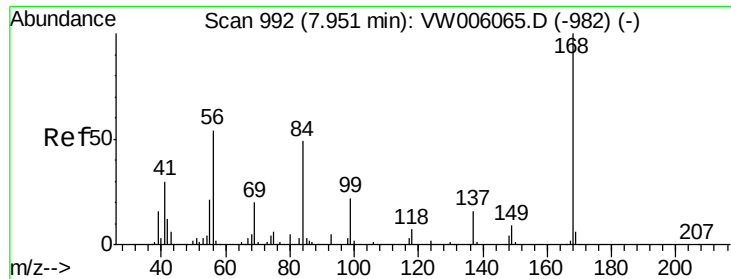
Instrument :
MSVOA_W
Client Sampled :
RLF-SD-5MSD

Manual Integrations
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Quant Title : SW846 8260
QLast Update : Thu Oct 18 17:01:24 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW006206.D

Acq: 19 Oct 2018 06:30

Instrument :

MSVOA_W

ClientSampleId :

RLF-SD-5MSD

Tgt Ion:168 Resp: 176863

Ion Ratio Lower Upper

168 100

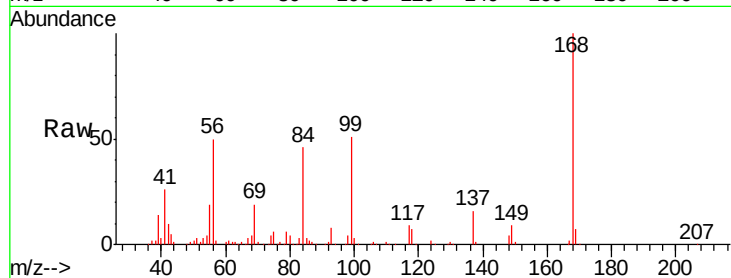
99 51.1 39.9 59.9

Manual Integrations

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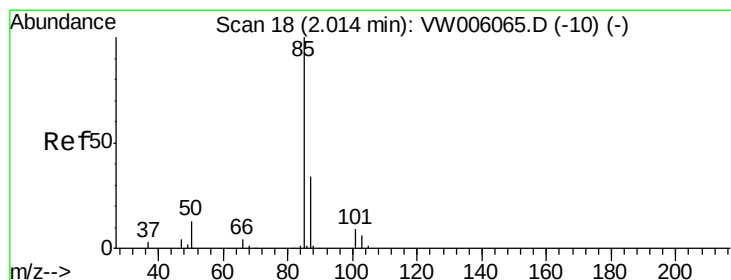
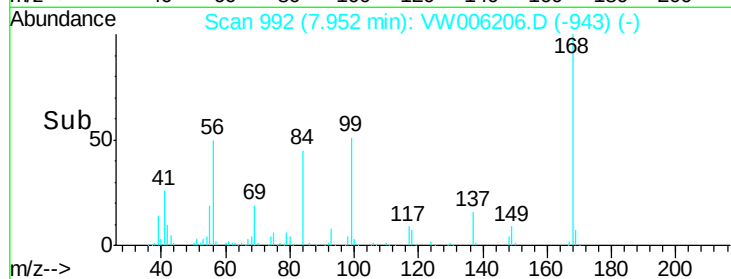
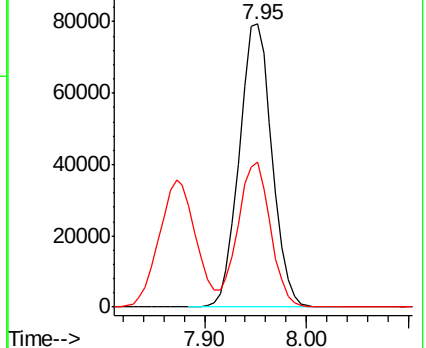
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 60.07 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW006206.D

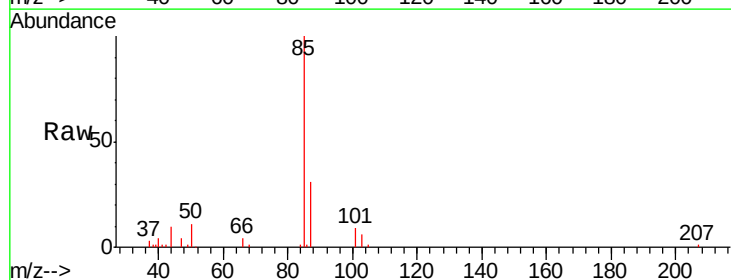
Acq: 19 Oct 2018 06:30

Tgt Ion: 85 Resp: 52573

Ion Ratio Lower Upper

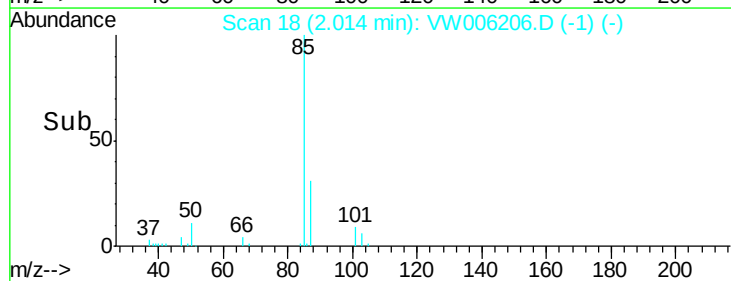
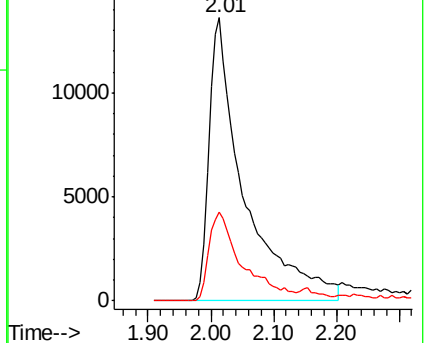
85 100

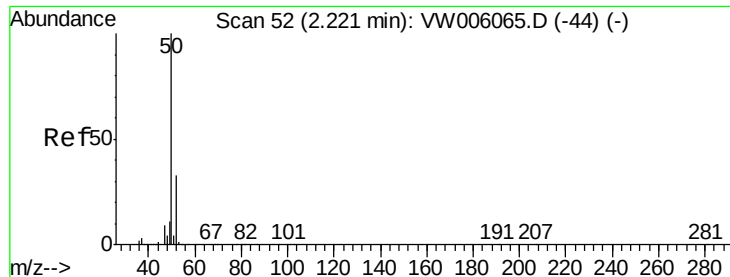
87 31.3 16.9 50.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 55.00 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW006206.D

Acq: 19 Oct 2018 06:30

Instrument :

MSVOA_W

ClientSampleId :

RLF-SD-5MSD

Tgt Ion: 50 Resp: 61963

Ion Ratio Lower Upper

50 100

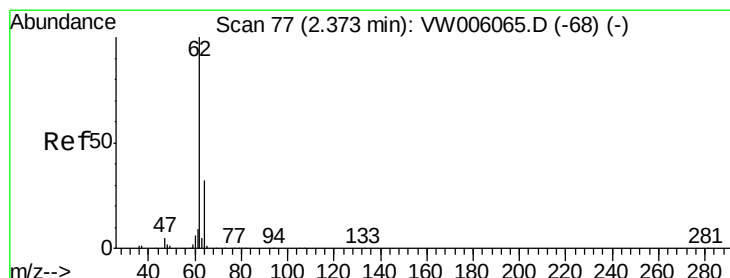
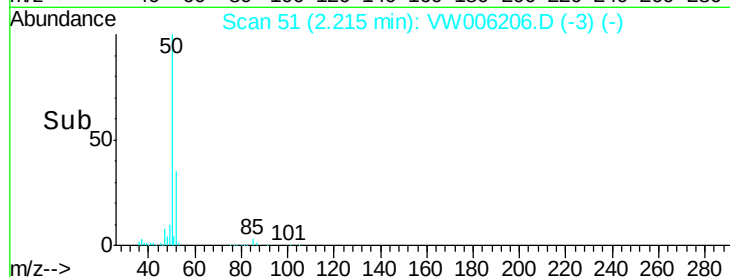
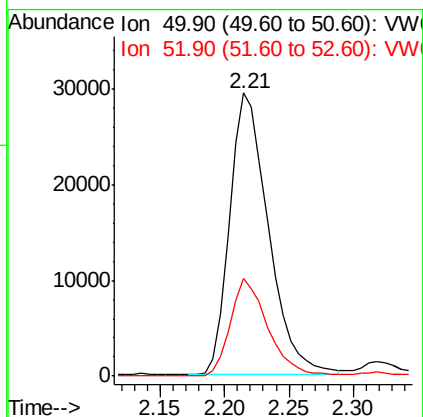
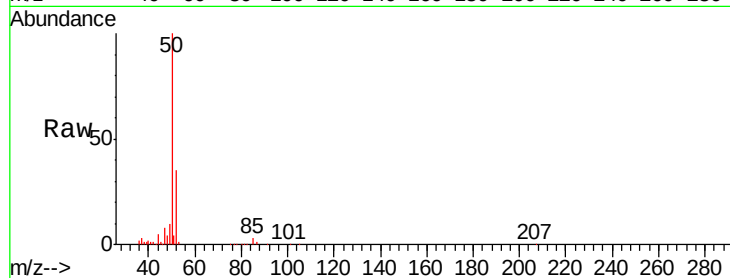
52 34.7 26.8 40.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 59.45 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.01 min

Lab File: VW006206.D

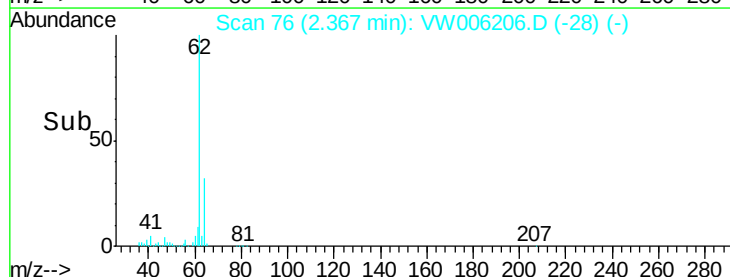
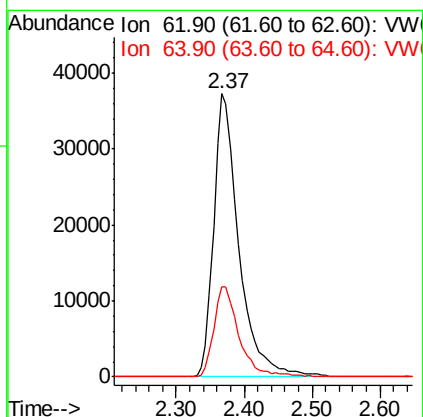
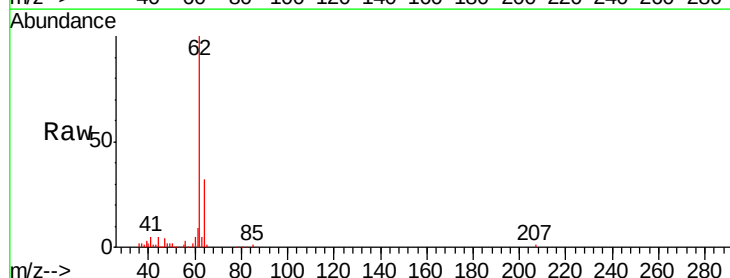
Acq: 19 Oct 2018 06:30

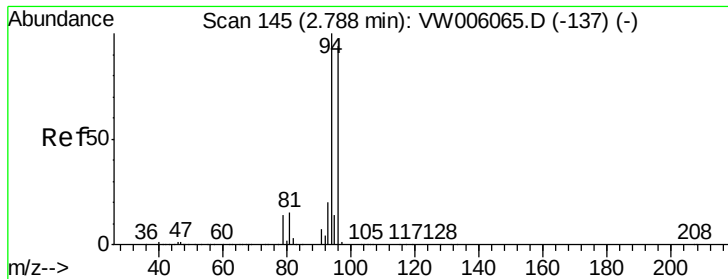
Tgt Ion: 62 Resp: 95654

Ion Ratio Lower Upper

62 100

64 31.7 25.9 38.9





#5

Bromomethane

Concen: 37.11 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.01 min

Lab File: VW006206.D

Acq: 19 Oct 2018 06:30

Instrument :

MSVOA_W

ClientSampleId :

RLF-SD-5MSD

Tgt Ion: 94 Resp: 54300

Ion Ratio Lower Upper

94 100

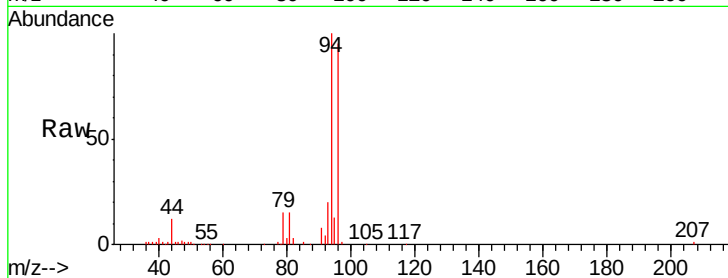
96 94.4 74.9 112.3

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

2.78

25000

20000

15000

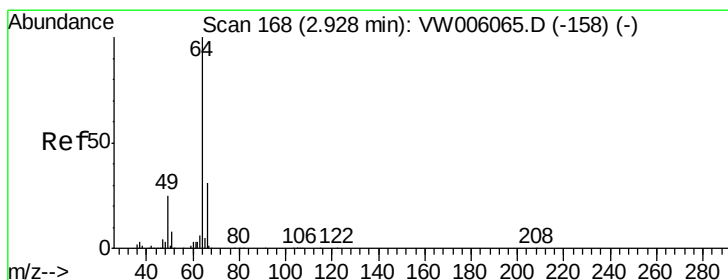
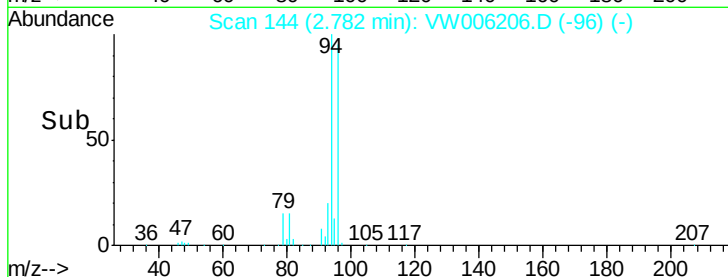
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5000

0

Time-->

2.70 2.80 2.90 3.00



#6

Chloroethane

Concen: 58.58 ug/l

RT: 2.93 min Scan# 169

Delta R.T. 0.01 min

Lab File: VW006206.D

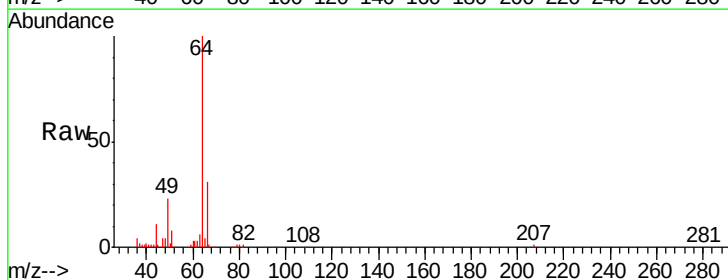
Acq: 19 Oct 2018 06:30

Tgt Ion: 64 Resp: 67548

Ion Ratio Lower Upper

64 100

66 30.7 24.9 37.3



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW

2.93

25000

20000

15000

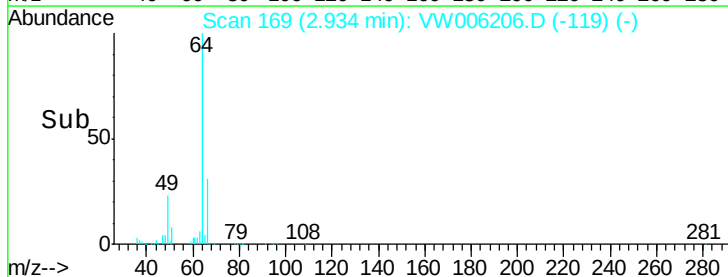
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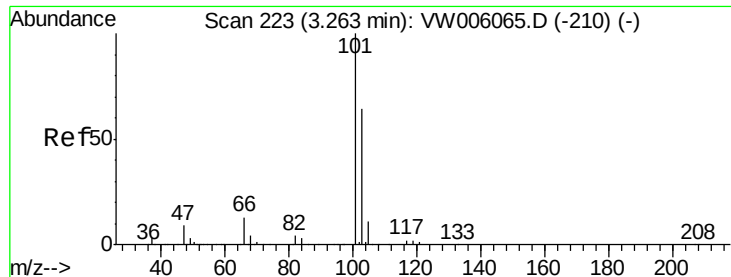
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Time-->

2.80 2.90 3.00 3.10





#7

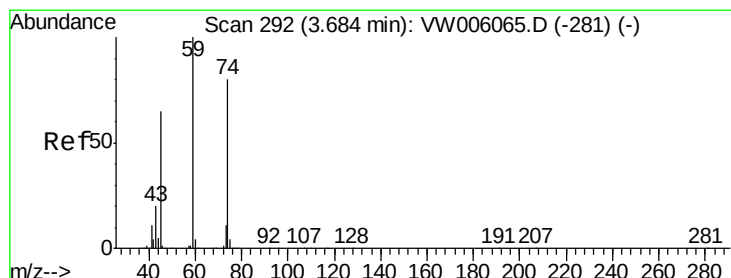
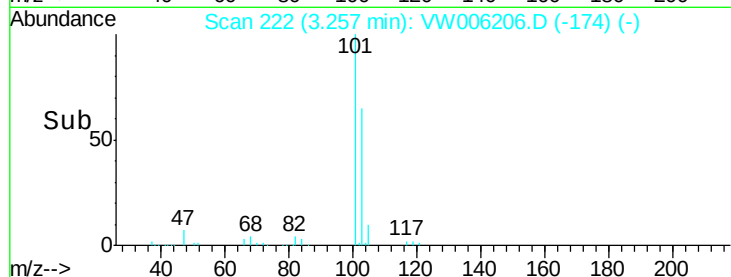
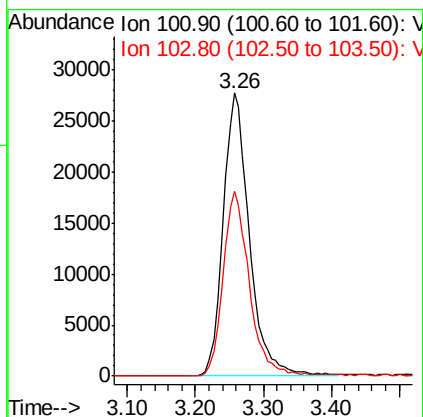
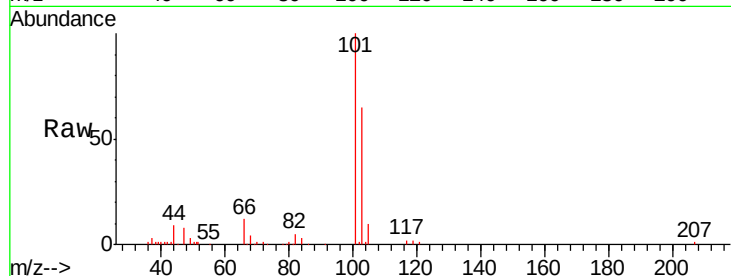
Trichlorofluoromethane
Concen: 49.31 ug/l
RT: 3.26 min Scan# 222
Delta R.T. -0.01 min
Lab File: VW006206.D
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Tgt Ion	Ratio	Lower	Upper
101	100		
103	65.1	51.2	76.8

Manual Integrations
APPROVED

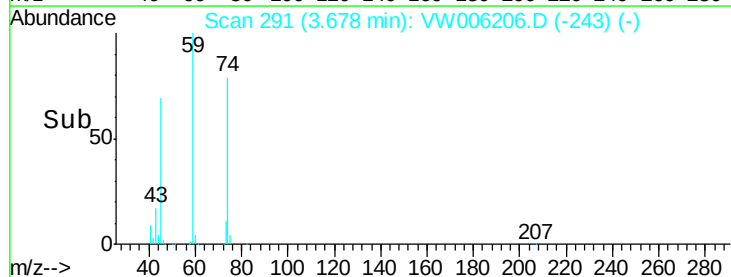
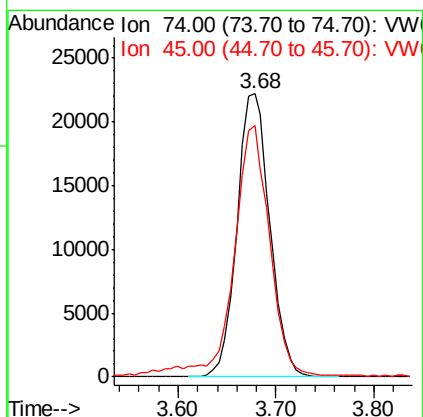
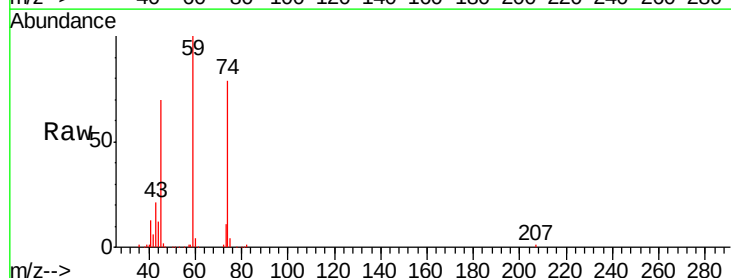
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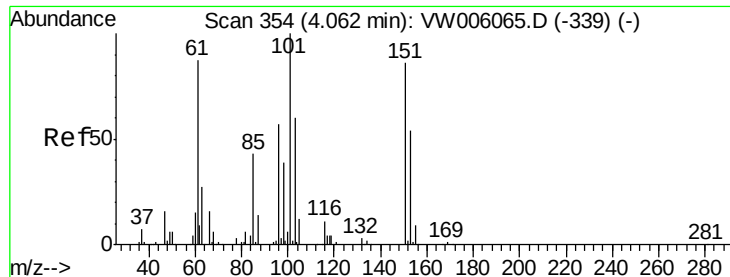


#8

Diethyl Ether
Concen: 64.87 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.01 min
Lab File: VW006206.D
Acq: 19 Oct 2018 06:30

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.3	42.8	128.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.60 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW006206.D

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Instrument :

MSVOA_W

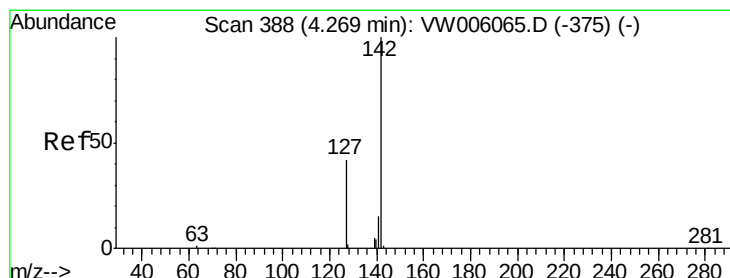
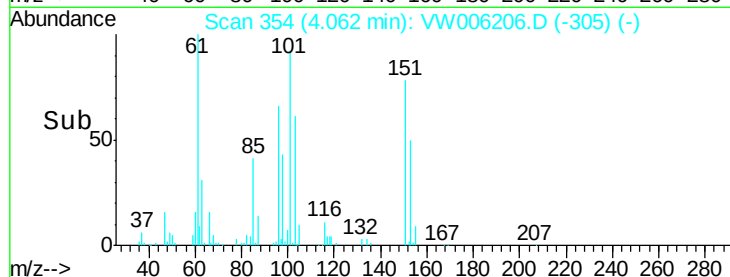
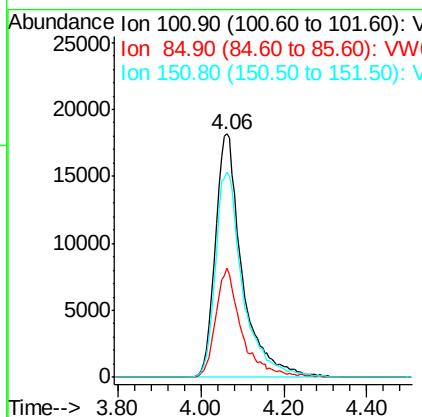
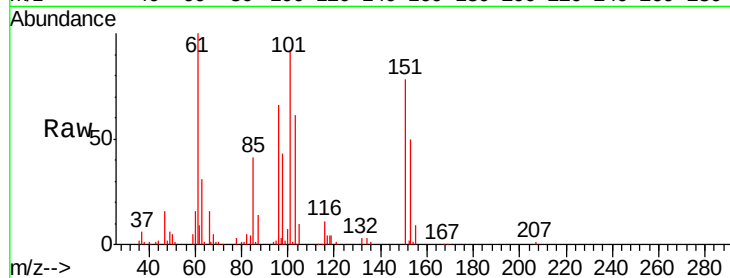
ClientSampleId :

RLF-SD-5MSD

Tgt Ion:	101	Resp:	81047
Ion Ratio	Lower	Upper	
101	100		
85	42.9	34.9	52.3
151	86.0	70.4	105.6

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#10

Methyl Iodide

Concen: 23.91 ug/l

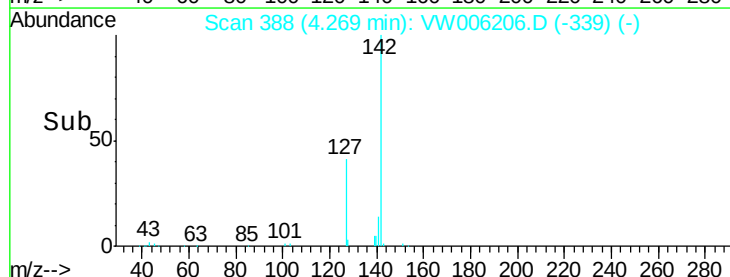
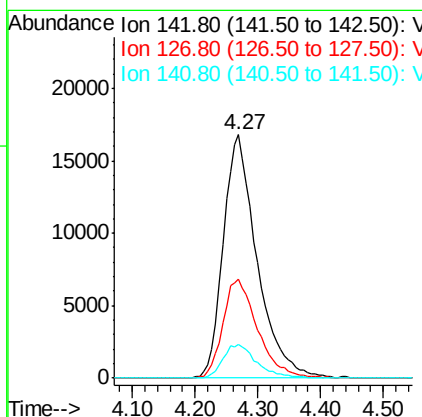
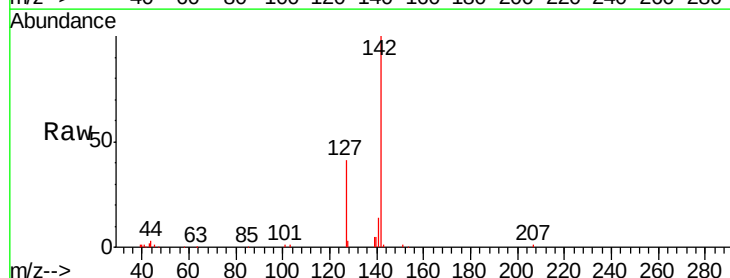
RT: 4.27 min Scan# 388

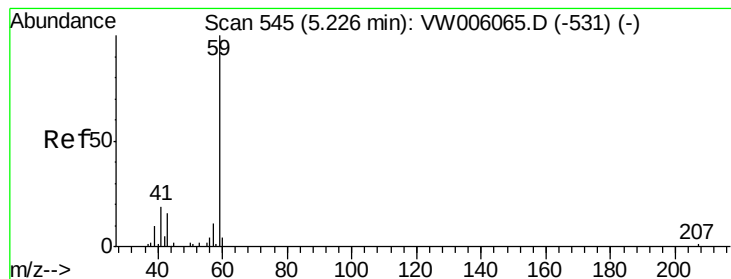
Delta R.T. 0.00 min

Lab File: VW006206.D

Acq: 19 Oct 2018 06:30

Tgt Ion:	142	Resp:	62521
Ion Ratio	Lower	Upper	
142	100		
127	41.8	33.6	50.4
141	13.8	11.6	17.4





#11

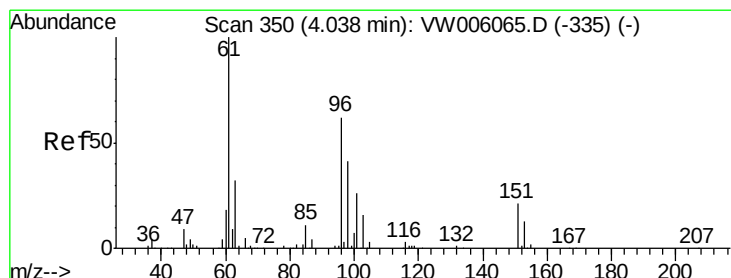
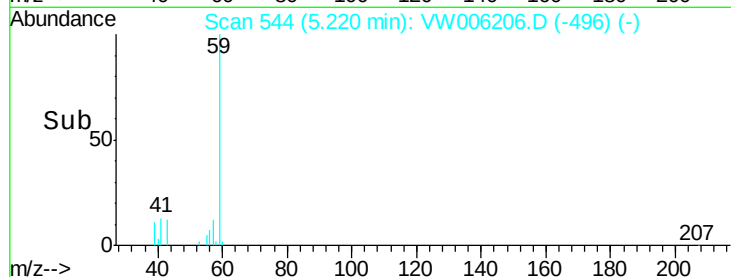
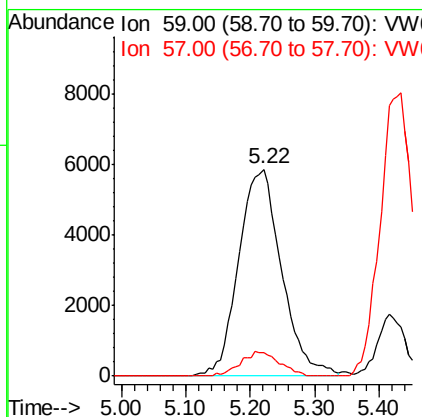
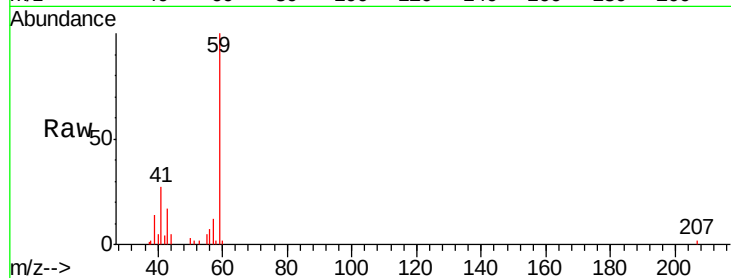
Tert butyl alcohol
Concen: 274.32 ug/l
RT: 5.22 min Scan# 544
Delta R.T. -0.01 min
Lab File: VW006206.D
Acq: 19 Oct 2018 06:30

Instrument :
MSVOA_W
ClientSampleId :
RLF-SD-5MSD

Tgt Ion: 59 Resp: 27052
Ion Ratio Lower Upper
59 100
57 10.7 8.7 13.1

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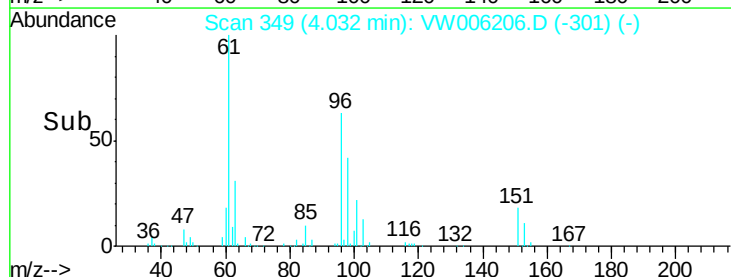
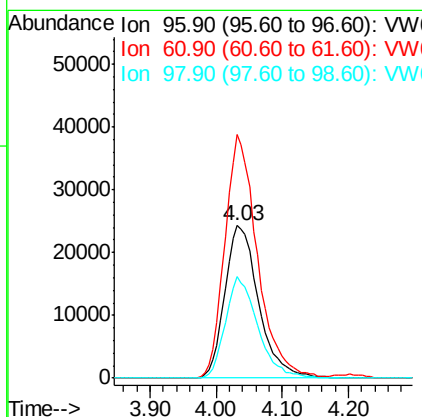
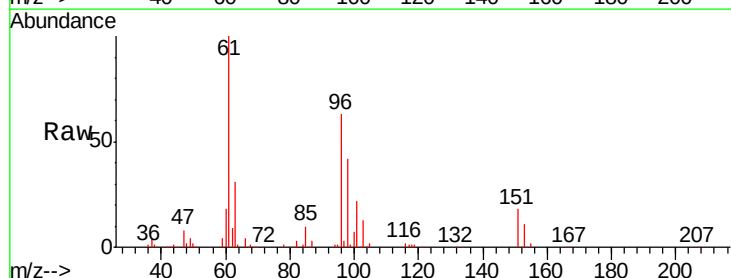
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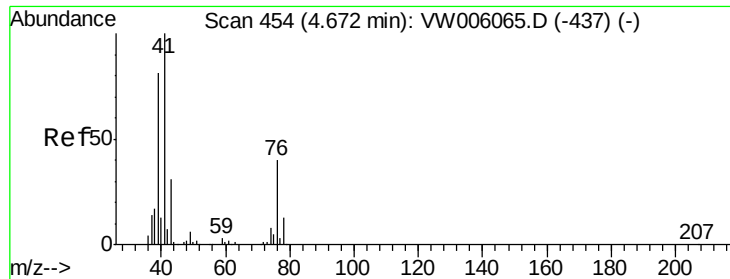


#12

1,1-Dichloroethene
Concen: 58.19 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW006206.D
Acq: 19 Oct 2018 06:30

Tgt Ion: 96 Resp: 85989
Ion Ratio Lower Upper
96 100
61 159.9 129.3 193.9
98 66.4 53.1 79.7





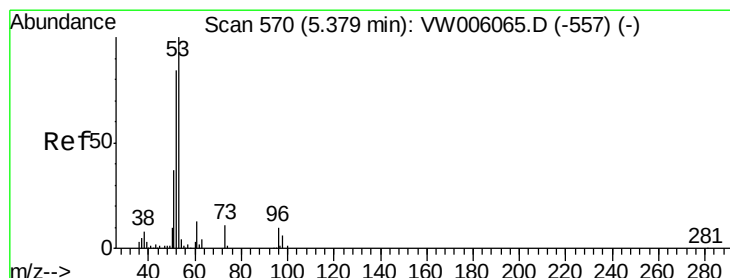
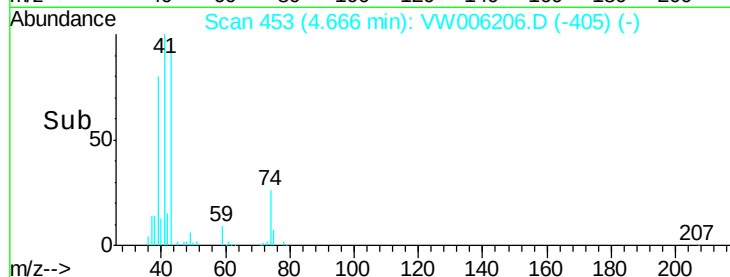
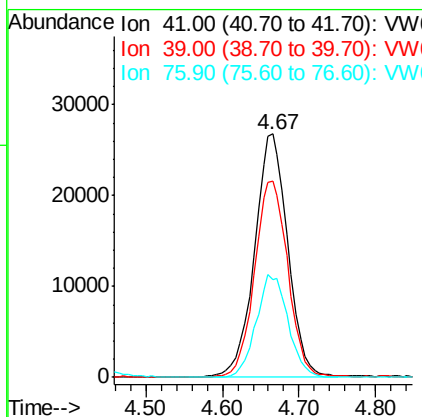
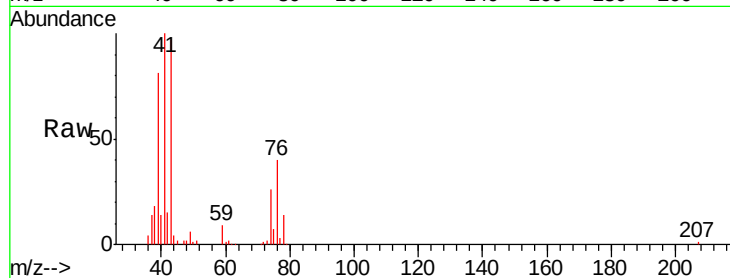
#14
 Allyl chloride
 Concen: 38.41 ug/l
 RT: 4.67 min Scan# 453
 Delta R.T. -0.01 min
 Lab File: VW006206.D
 Acq: 19 Oct 2018 06:30

Instrument :
 MSVOA_W
 ClientSampleId :
 RLF-SD-5MSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
41	100		
39	80.6	64.1	96.1
76	40.2	32.2	48.4

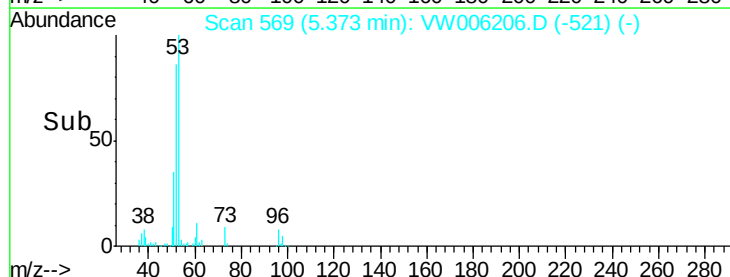
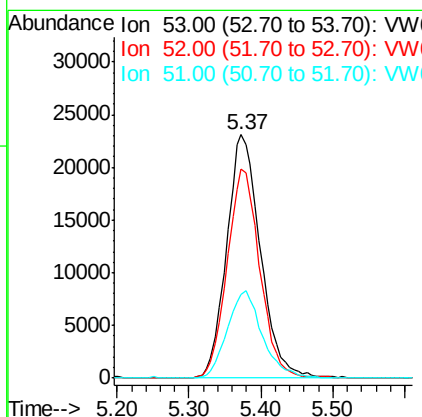
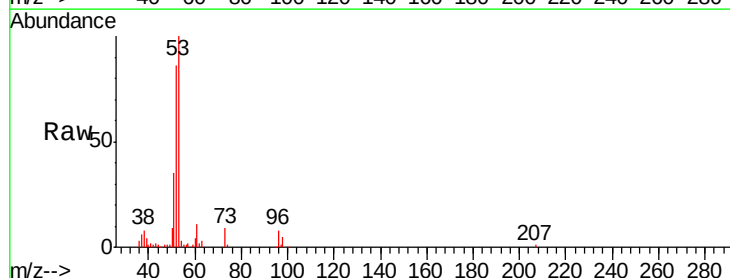
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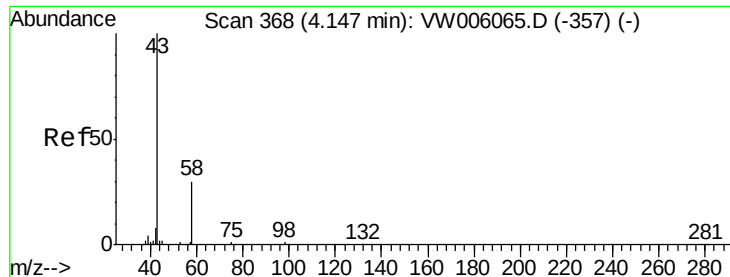
apatel
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#15
 Acrylonitrile
 Concen: 263.88 ug/l
 RT: 5.37 min Scan# 569
 Delta R.T. -0.01 min
 Lab File: VW006206.D
 Acq: 19 Oct 2018 06:30

Tgt Ion	Ratio	Resp Lower	Resp Upper
53	100		
52	83.2	66.9	100.3
51	37.4	30.1	45.1





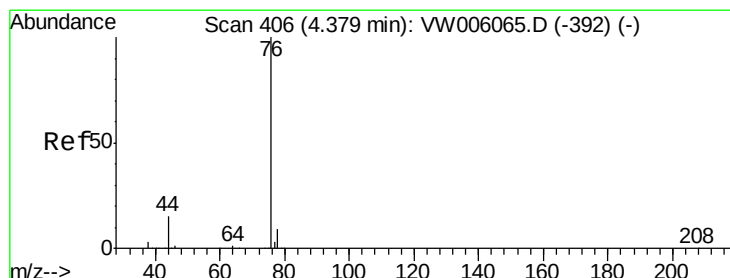
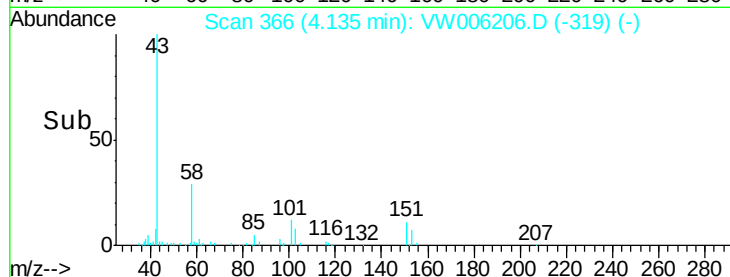
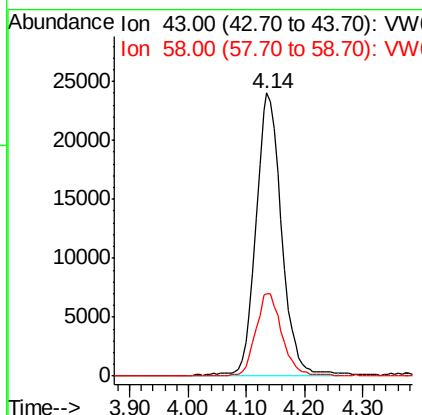
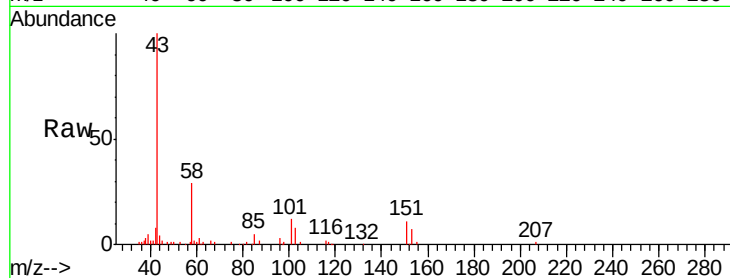
#16
Acetone
Concen: 269.67 ug/l
RT: 4.14 min Scan# 366
Delta R.T. -0.01 min
Lab File: VW006206.D
Acq: 19 Oct 2018 06:30

Instrument :
MSVOA_W
ClientSampleId :
RLF-SD-5MSD

Tgt Ion: 43 Resp: 73862
Ion Ratio Lower Upper
43 100
58 29.3 24.0 36.0

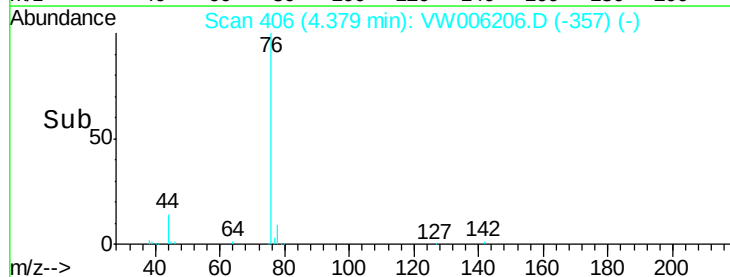
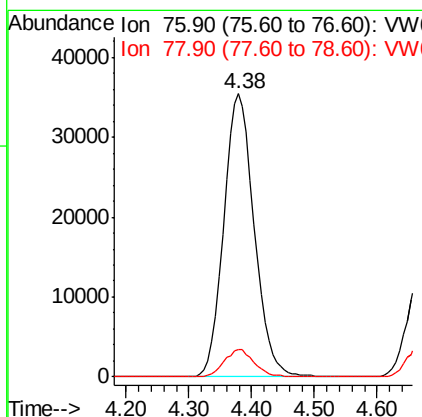
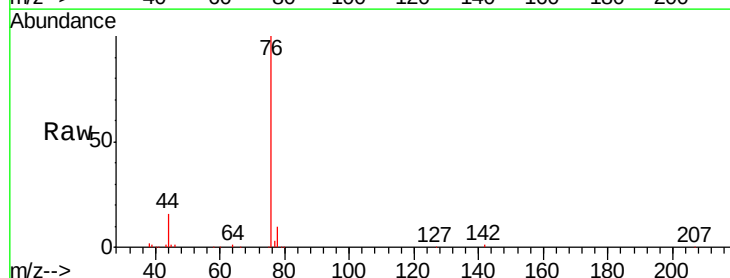
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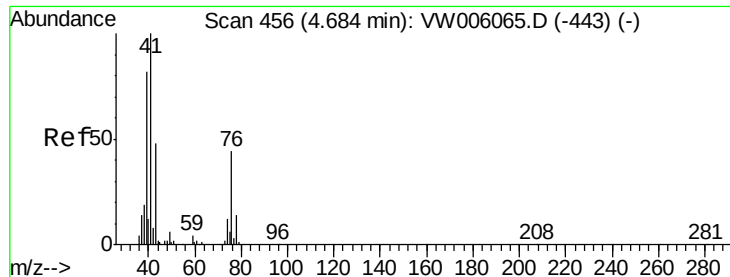
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#17
Carbon Disulfide
Concen: 26.62 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.00 min
Lab File: VW006206.D
Acq: 19 Oct 2018 06:30

Tgt Ion: 76 Resp: 118715
Ion Ratio Lower Upper
76 100
78 9.8 7.5 11.3





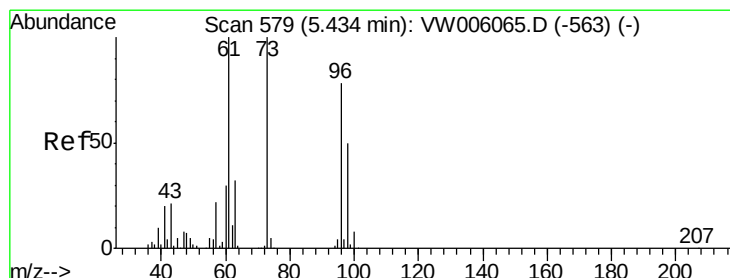
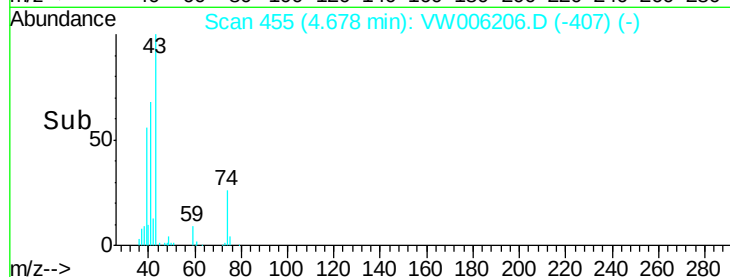
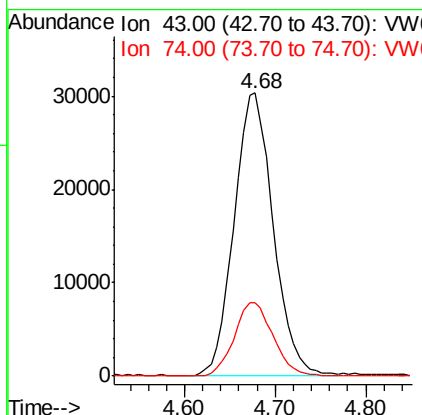
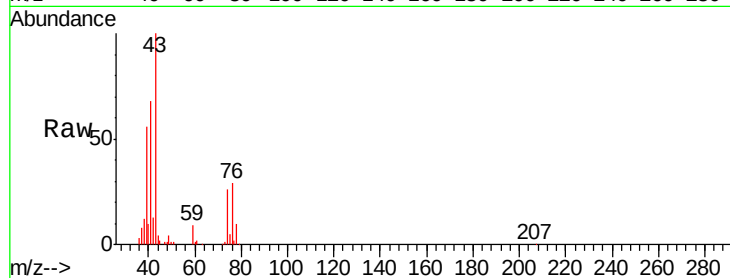
#18
Methyl Acetate
Concen: 122.17 ug/l
RT: 4.68 min Scan# 455
Delta R.T. -0.01 min
Lab File: VW006206.D
Acq: 19 Oct 2018 06:30

Instrument :
MSVOA_W
ClientSampleId :
RLF-SD-5MSD

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.1	20.5	30.7

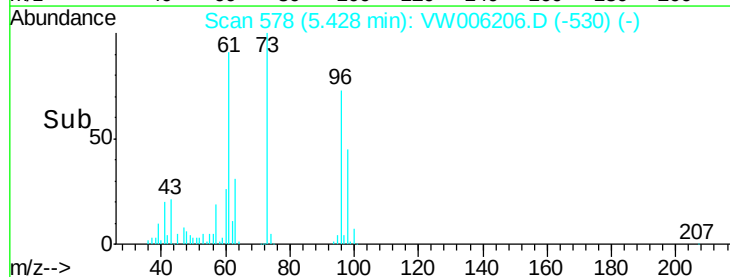
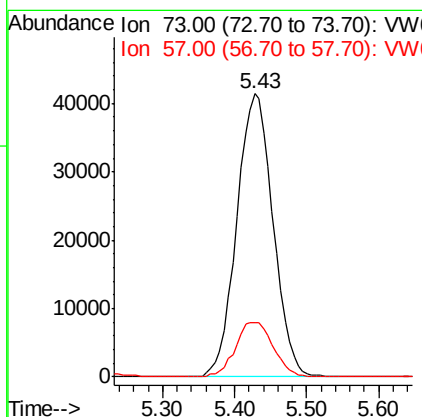
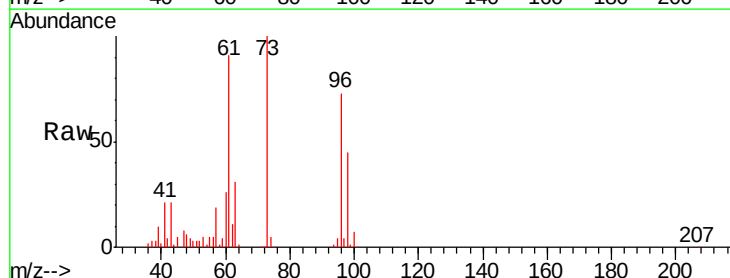
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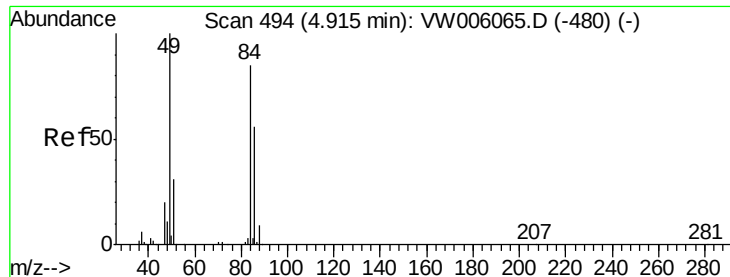
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#19
Methyl tert-butyl Ether
Concen: 64.32 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.01 min
Lab File: VW006206.D
Acq: 19 Oct 2018 06:30

Tgt Ion	Ratio	Lower	Upper
73	100		
57	19.1	17.4	26.2





#20

Methylene Chloride

Concen: 66.93 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW006206.D

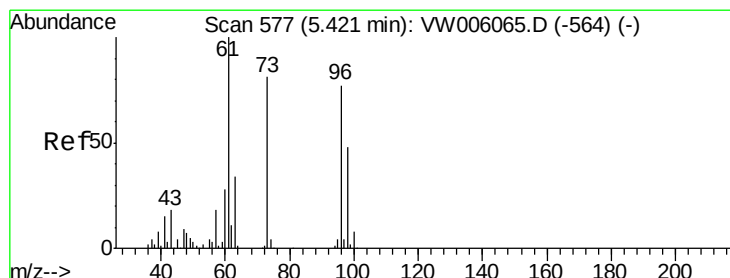
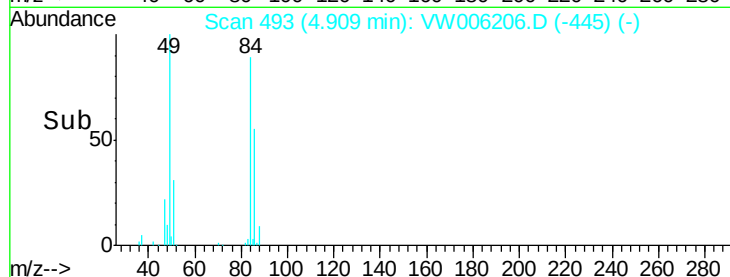
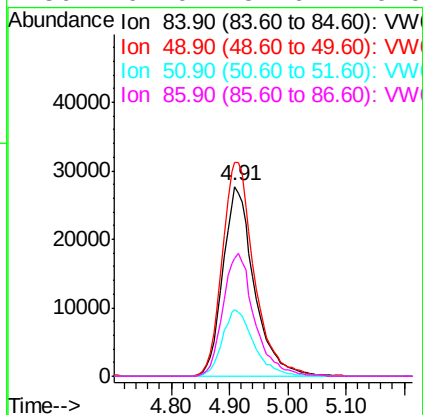
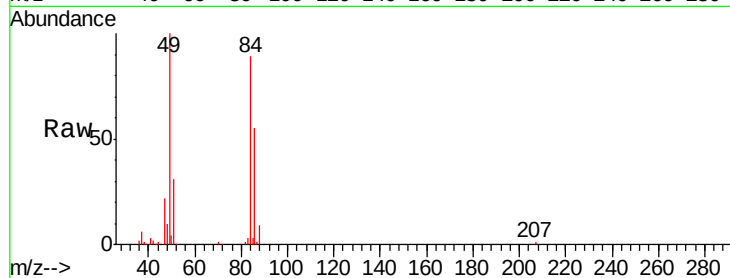
Acq: 19 Oct 2018 06:30

Tgt Ion:	84	Resp:	102987
Ion	Ratio	Lower	Upper
84	100		
49	112.4	93.6	140.4
51	34.8	29.0	43.4
86	62.0	52.6	79.0

Instrument :
MSVOA_W
ClientSampleId :
RLF-SD-5MSD

Manual Integrations
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#21

trans-1,2-Dichloroethene

Concen: 58.28 ug/l

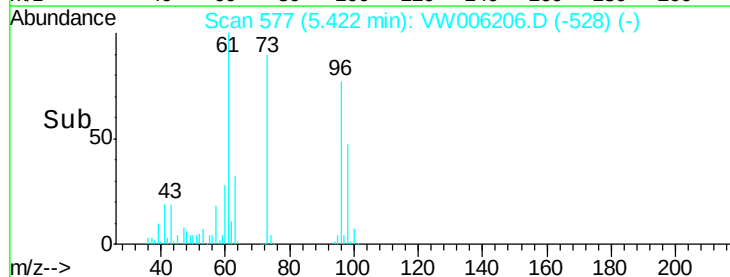
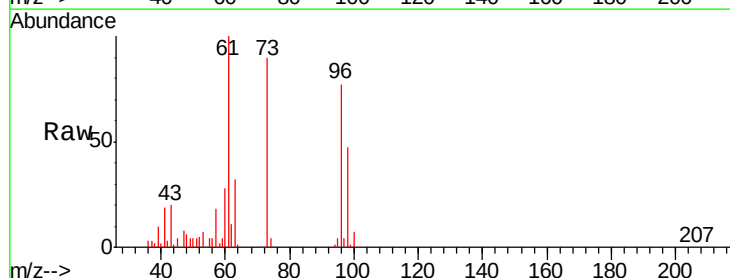
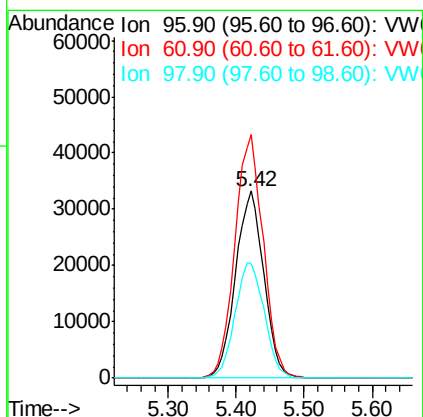
RT: 5.42 min Scan# 577

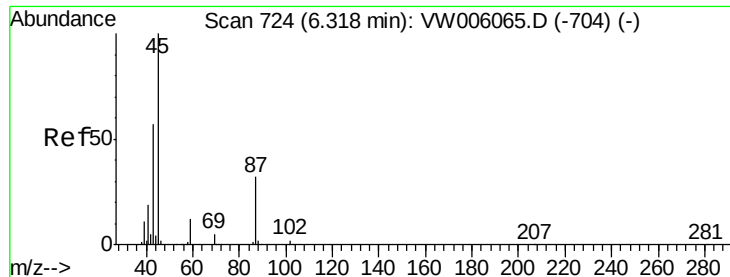
Delta R.T. 0.00 min

Lab File: VW006206.D

Acq: 19 Oct 2018 06:30

Tgt Ion:	96	Resp:	96134
Ion	Ratio	Lower	Upper
96	100		
61	130.2	104.5	156.7
98	61.1	50.6	75.8





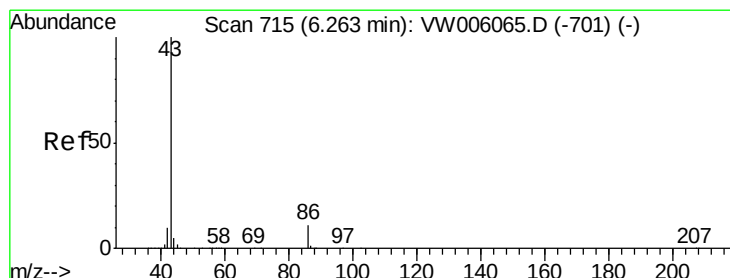
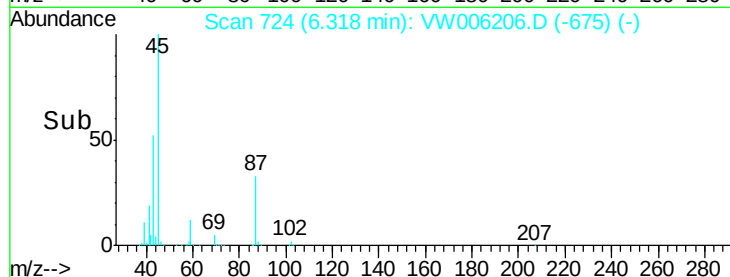
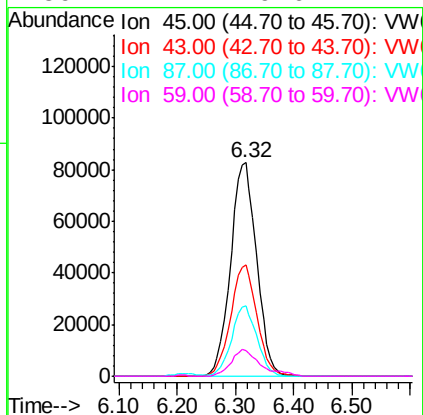
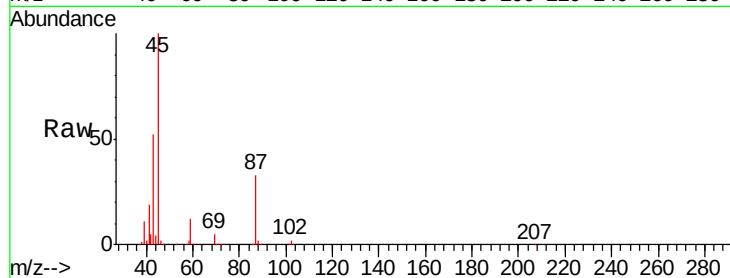
#22
 Diisopropyl ether
 Concen: 61.44 ug/l
 RT: 6.32 min Scan# 724
 Delta R.T. 0.00 min
 Lab File: VW006206.D
 Acq: 19 Oct 2018 06:30

Instrument :
 MSVOA_W
 ClientSampleId :
 RLF-SD-5MSD

Tgt Ion	Ratio	Lower	Upper
45	100		
43	51.9	45.7	68.5
87	32.7	25.9	38.9
59	12.1	9.6	14.4

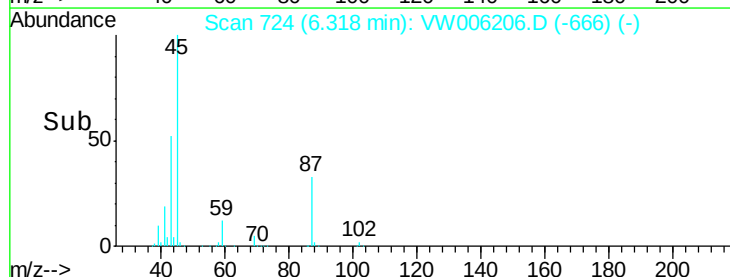
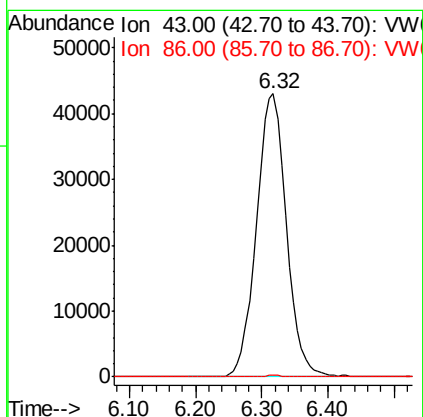
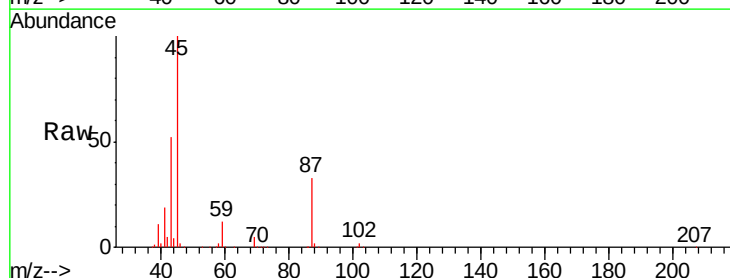
Manual Integrations
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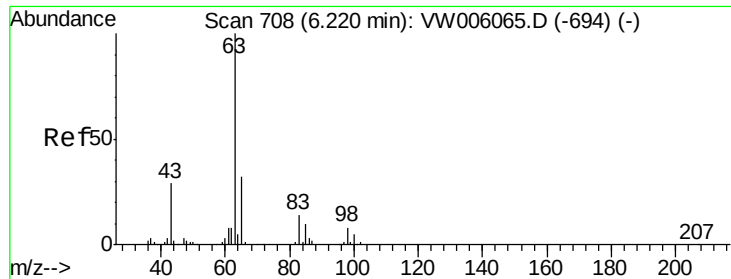
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#23
 Vinyl Acetate
 Concen: 54.93 ug/l
 RT: 6.32 min Scan# 724
 Delta R.T. 0.05 min
 Lab File: VW006206.D
 Acq: 19 Oct 2018 06:30

Tgt Ion	Ratio	Lower	Upper
43	100		
86	0.5	9.0	13.6#





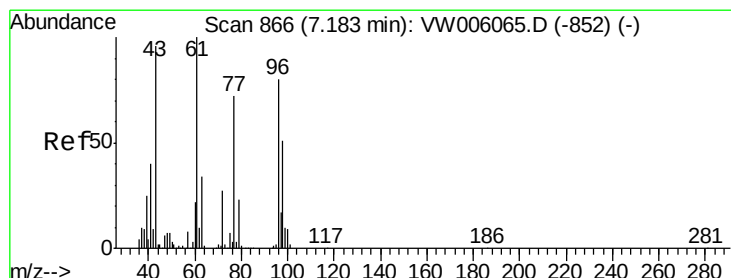
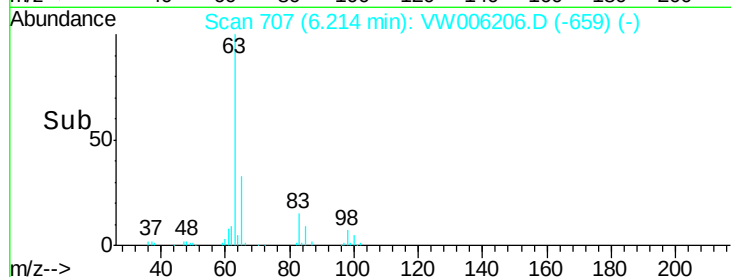
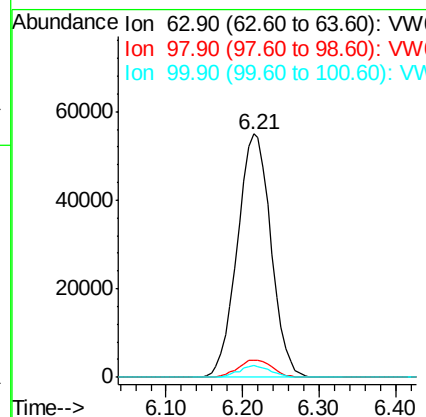
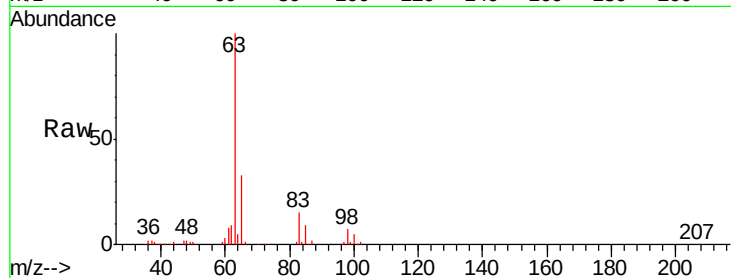
#24
 1,1-Dichloroethane
 Concen: 62.11 ug/l
 RT: 6.21 min Scan# 707
 Delta R.T. -0.01 min
 Lab File: VW006206.D
 Acq: 19 Oct 2018 06:30

Instrument :
 MSVOA_W
 ClientSampleId :
 RLF-SD-5MSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
63	100		
98	7.2	3.8	11.2
100	4.7	2.5	7.5

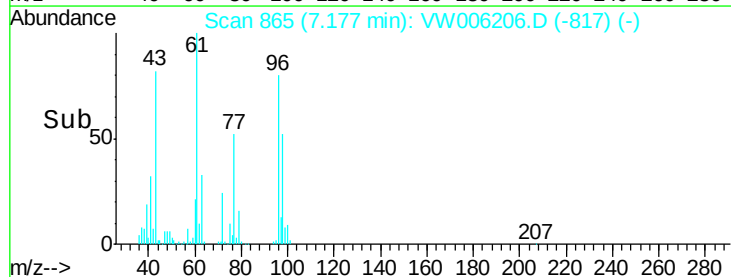
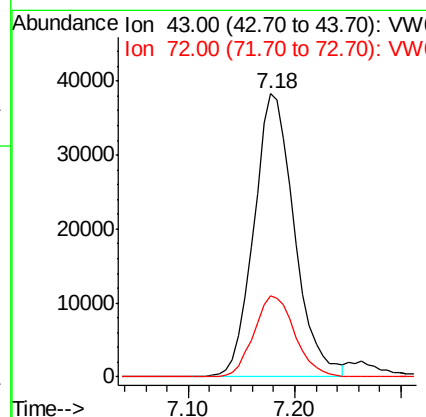
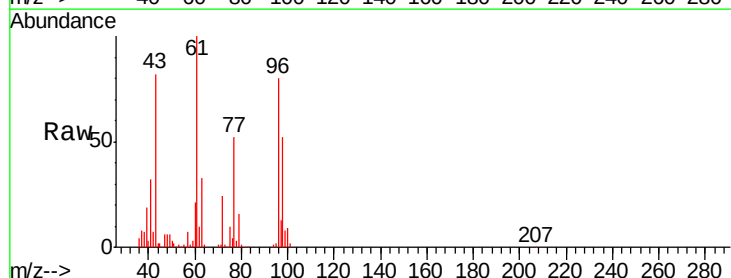
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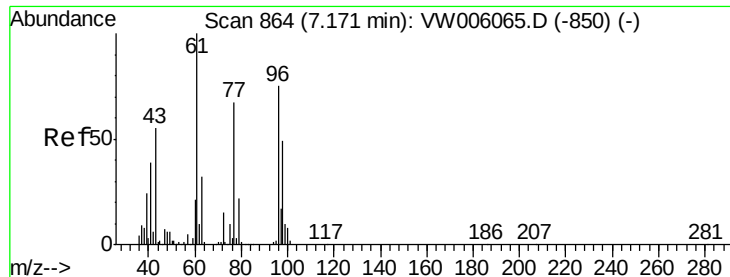
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#25
 2-Butanone
 Concen: 258.17 ug/l
 RT: 7.18 min Scan# 865
 Delta R.T. -0.01 min
 Lab File: VW006206.D
 Acq: 19 Oct 2018 06:30

Tgt Ion	Ratio	Resp Lower	Resp Upper
43	100		
72	28.8	22.8	34.2





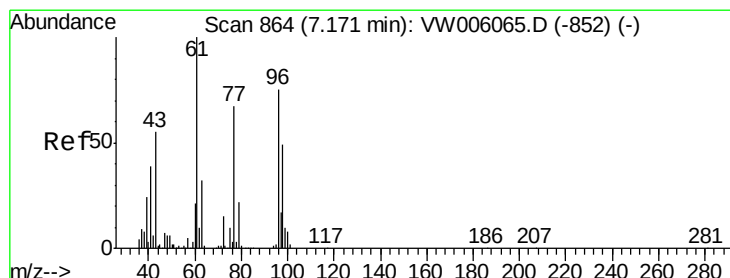
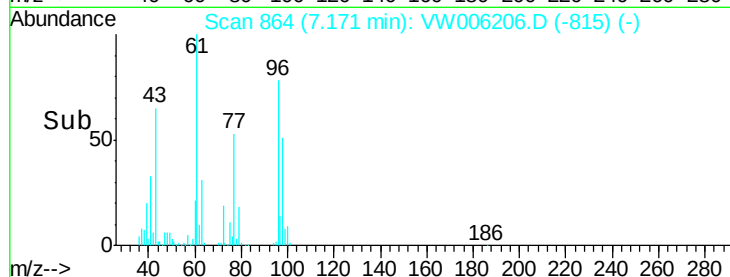
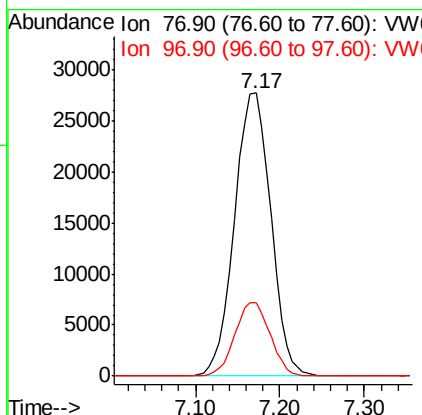
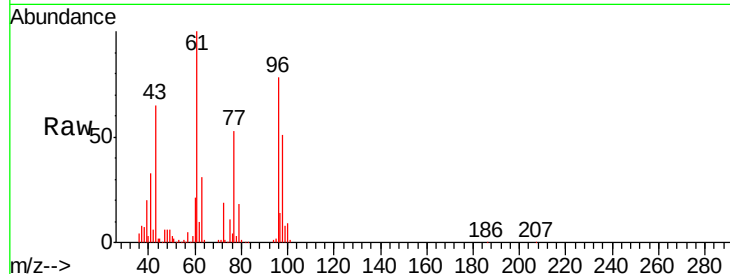
#26
 2,2-Dichloropropane
 Concen: 42.65 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW006206.D
 Acq: 19 Oct 2018 06:30

Instrument :
 MSVOA_W
 ClientSampleId :
 RLF-SD-5MSD

Tgt Ion: 77 Resp: 81038
 Ion Ratio Lower Upper
 77 100
 97 25.4 12.2 36.4

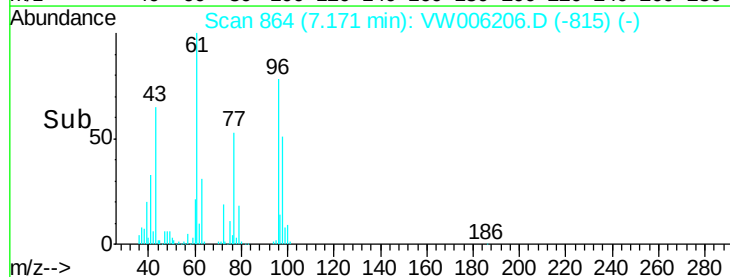
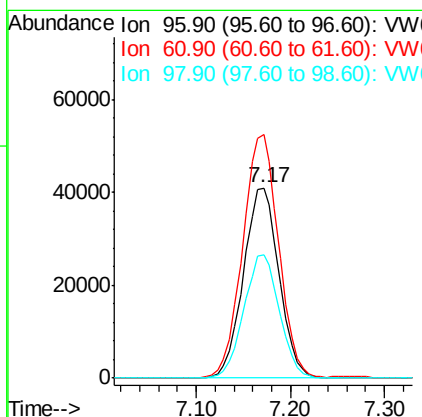
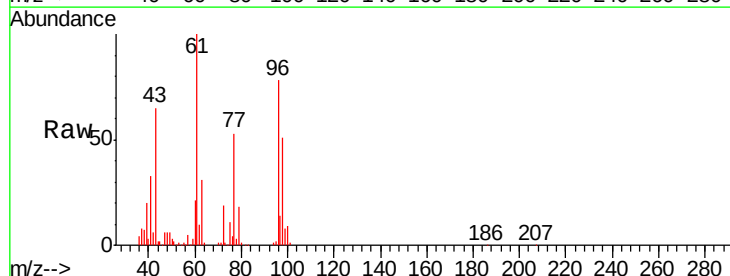
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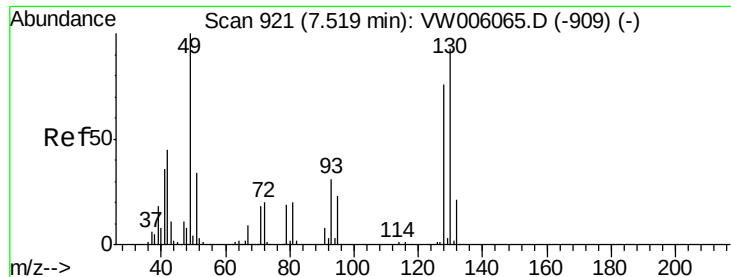
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#27
 cis-1,2-Dichloroethene
 Concen: 59.64 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW006206.D
 Acq: 19 Oct 2018 06:30

Tgt Ion: 96 Resp: 108558
 Ion Ratio Lower Upper
 96 100
 61 129.3 0.0 267.2
 98 64.8 0.0 128.6





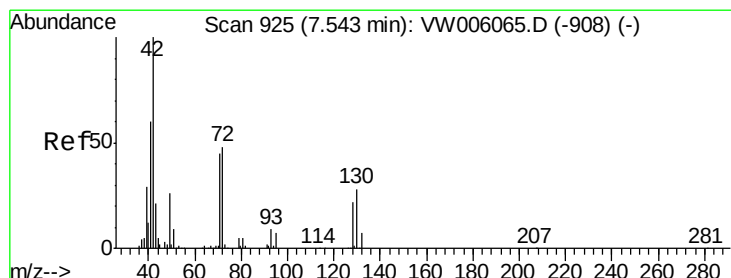
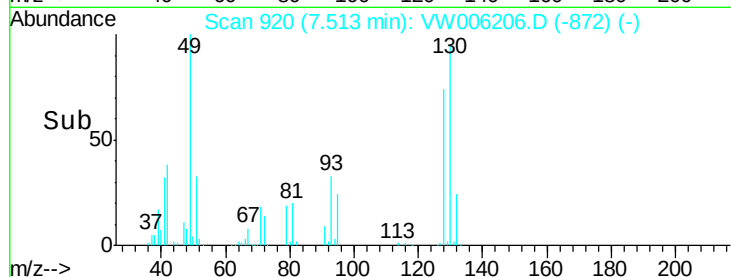
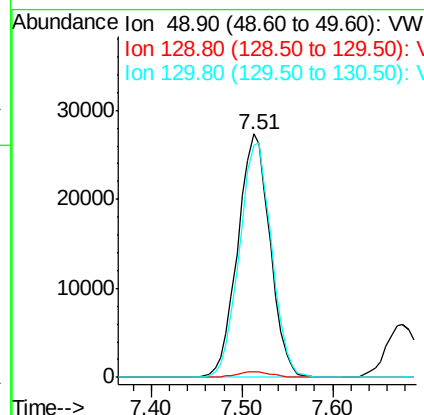
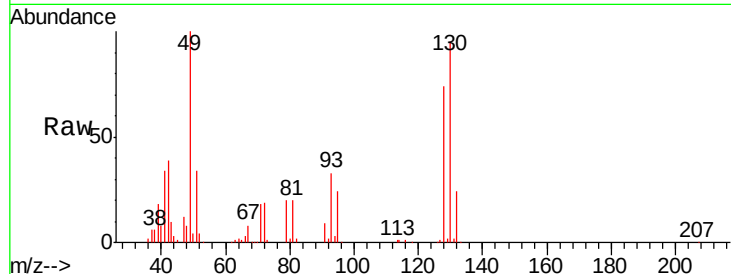
#28
 Bromochloromethane
 Concen: 64.98 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. -0.01 min
 Lab File: VW006206.D
 Acq: 19 Oct 2018 06:30

Instrument :
 MSVOA_W
 ClientSampleId :
 RLF-SD-5MSD

Tgt Ion: 49 Resp: 67592
 Ion Ratio Lower Upper
 49 100
 129 2.5 0.0 5.0
 130 95.9 73.8 110.8

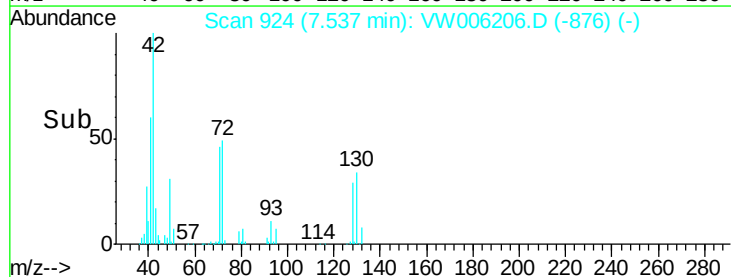
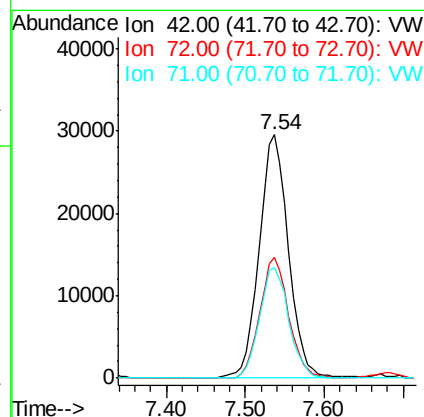
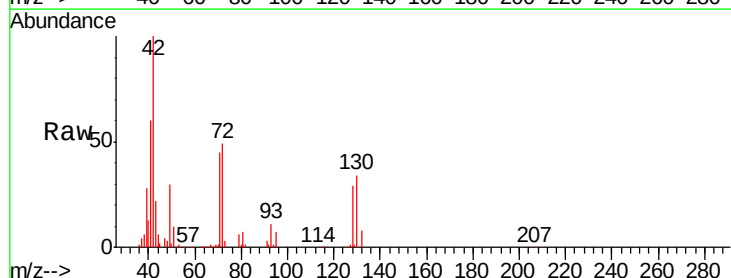
Manual Integrations
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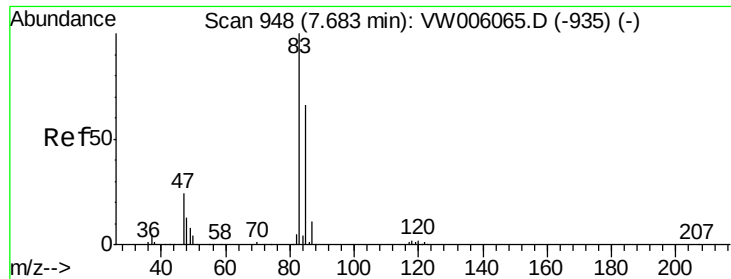
apatel
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#29
 Tetrahydrofuran
 Concen: 312.90 ug/l
 RT: 7.54 min Scan# 924
 Delta R.T. -0.01 min
 Lab File: VW006206.D
 Acq: 19 Oct 2018 06:30

Tgt Ion: 42 Resp: 76185
 Ion Ratio Lower Upper
 42 100
 72 48.7 38.0 57.0
 71 45.5 35.3 52.9





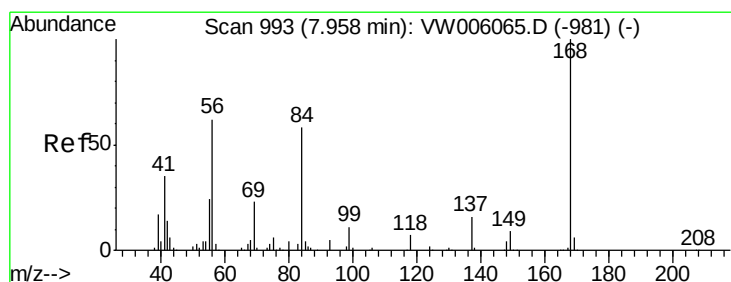
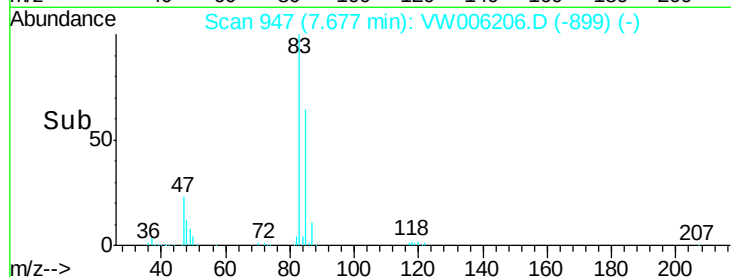
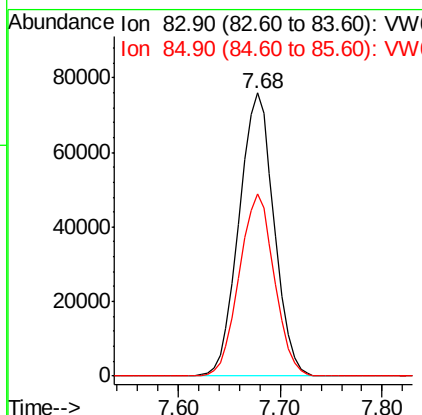
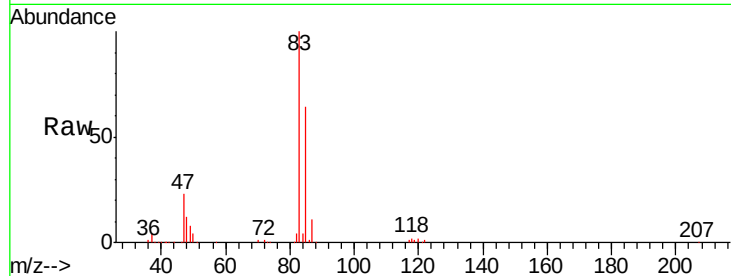
#30
Chloroform
Concen: 61.57 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.01 min
Lab File: VW006206.D
Acq: 19 Oct 2018 06:30

Instrument :
MSVOA_W
ClientSampleId :
RLF-SD-5MSD

Tgt Ion: 83 Resp: 180724
Ion Ratio Lower Upper
83 100
85 64.3 52.6 79.0

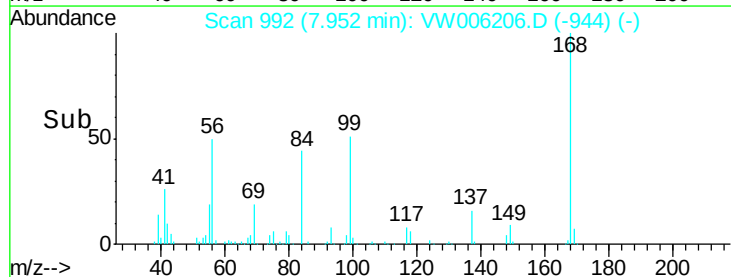
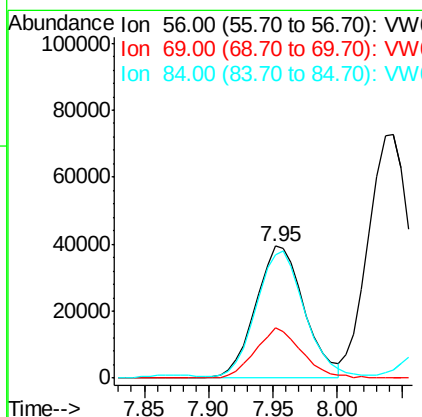
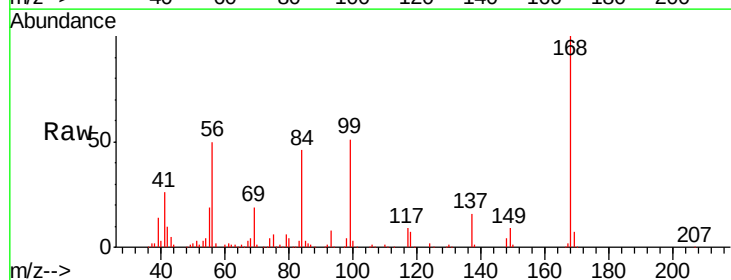
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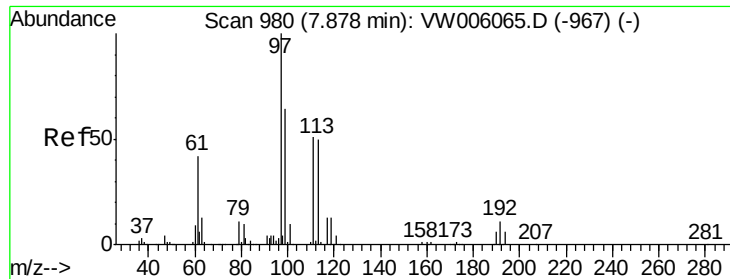
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#31
Cyclohexane
Concen: 38.48 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW006206.D
Acq: 19 Oct 2018 06:30

Tgt Ion: 56 Resp: 103237
Ion Ratio Lower Upper
56 100
69 38.0 29.4 44.0
84 91.2 74.0 111.0





#32

1,1,1-Trichloroethane

Concen: 53.17 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.01 min

Lab File: VW006206.D

Acq: 19 Oct 2018 06:30

Instrument :

MSVOA_W

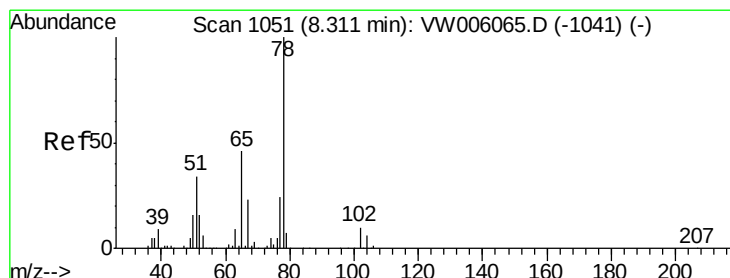
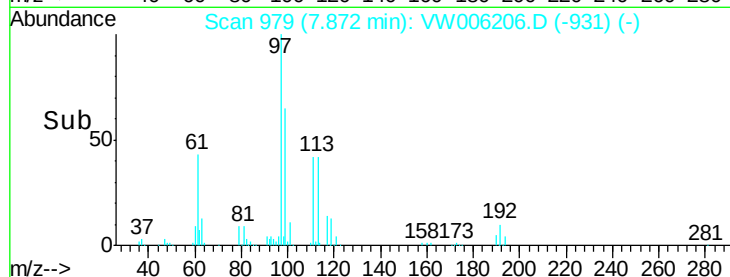
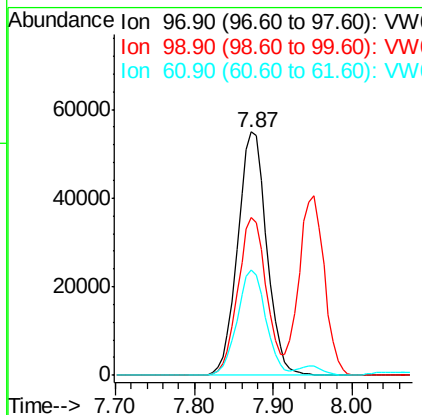
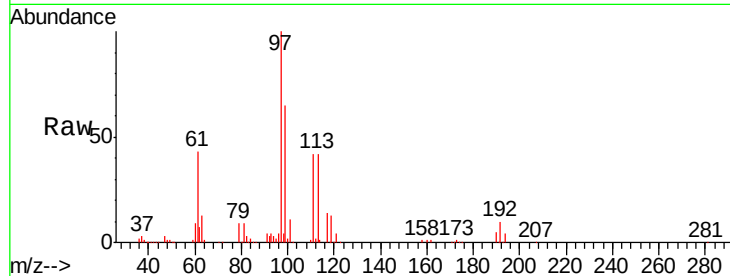
ClientSampleId :

RLF-SD-5MSD

Tgt Ion:	97	Resp:	140786
Ion	Ratio	Lower	Upper
97	100		
99	64.4	50.9	76.3
61	42.7	33.7	50.5

Manual Integrations
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#33

1,2-Dichloroethane-d4

Concen: 55.12 ug/l

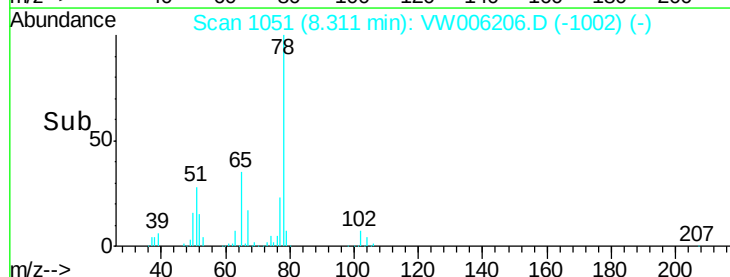
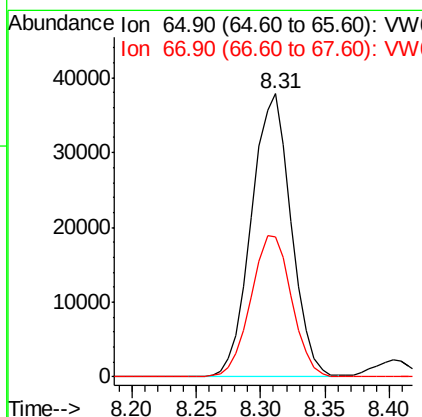
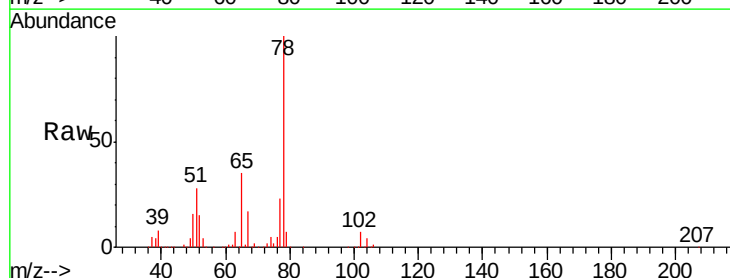
RT: 8.31 min Scan# 1051

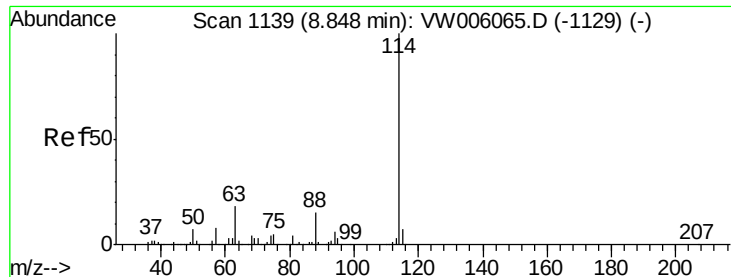
Delta R.T. 0.00 min

Lab File: VW006206.D

Acq: 19 Oct 2018 06:30

Tgt Ion:	65	Resp:	80818
Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	101.0





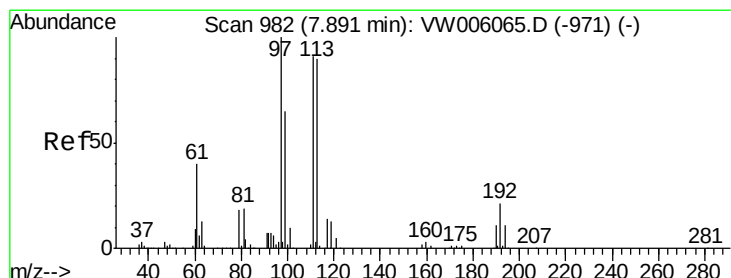
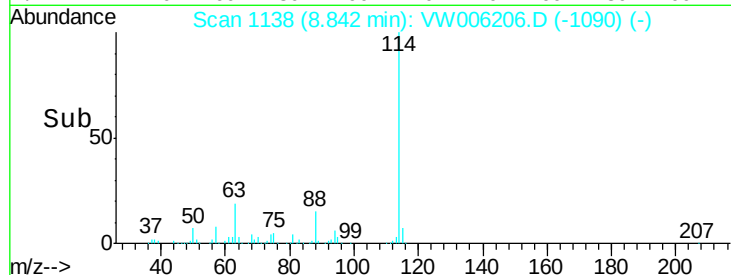
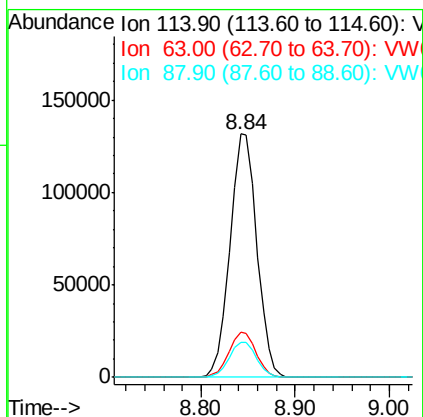
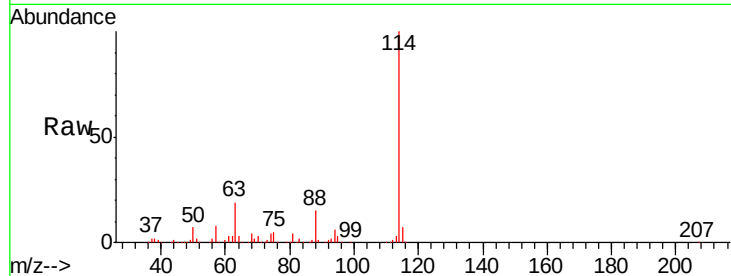
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.01 min
 Lab File: VW006206.D
 Acq: 19 Oct 2018 06:30

Instrument :
 MSVOA_W
 ClientSampleId :
 RLF-SD-5MSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
114	100		
63	18.7	0.0	36.8
88	14.6	0.0	29.0

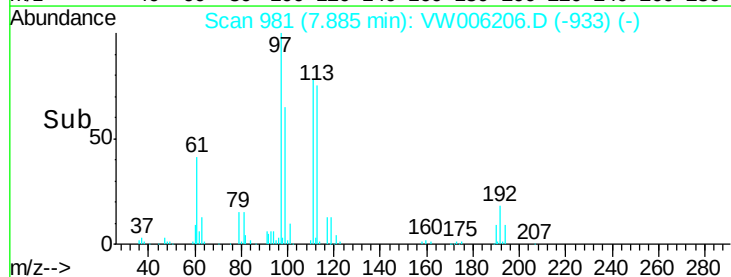
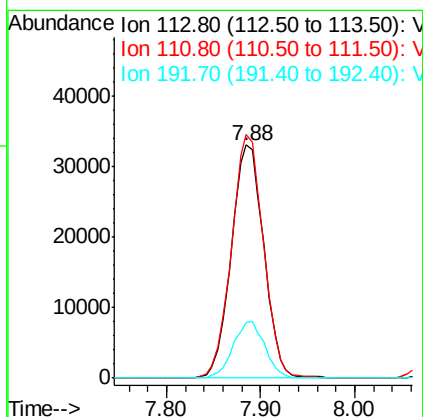
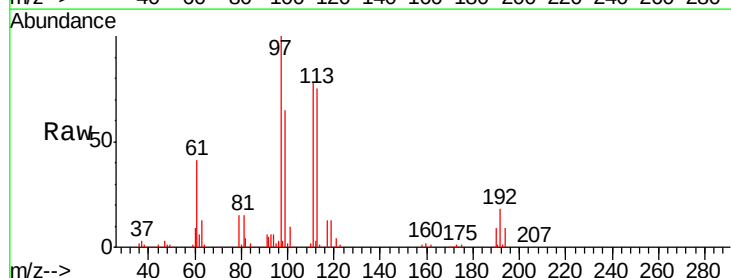
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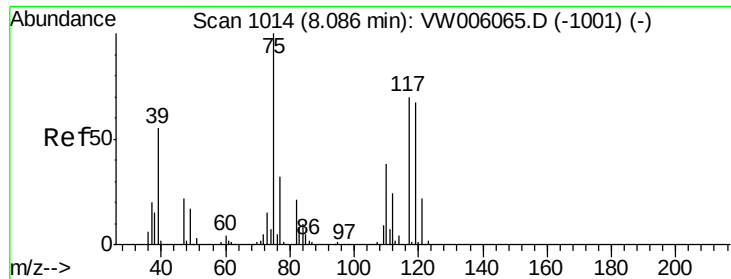
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#35
 Dibromofluoromethane
 Concen: 51.28 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.01 min
 Lab File: VW006206.D
 Acq: 19 Oct 2018 06:30

Tgt Ion	Ratio	Resp Lower	Resp Upper
113	100		
111	102.4	81.4	122.0
192	23.5	18.7	28.1





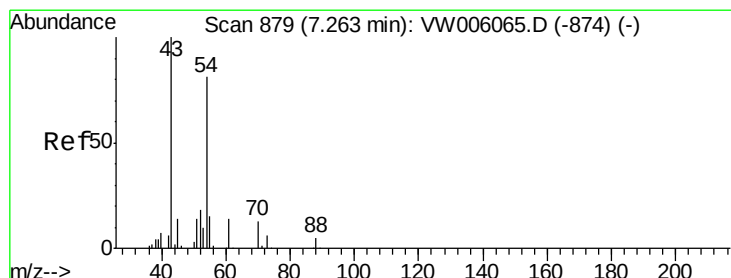
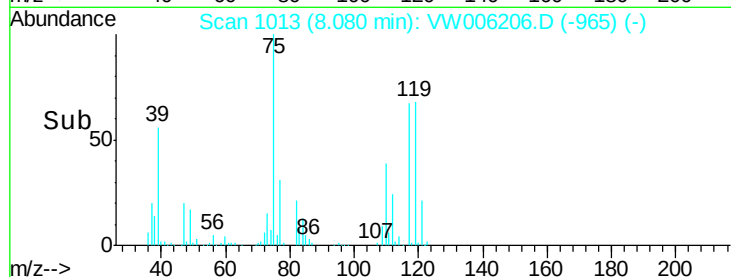
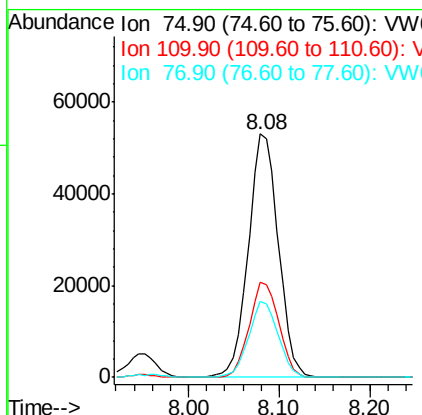
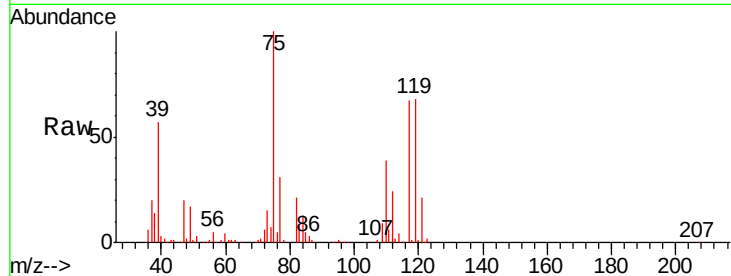
#36
 1,1-Dichloropropene
 Concen: 50.56 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.01 min
 Lab File: VW006206.D
 Acq: 19 Oct 2018 06:30

Instrument :
 MSVOA_W
 ClientSampleId :
 RLF-SD-5MSD

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.5	19.1	57.1
77	30.7	25.0	37.4

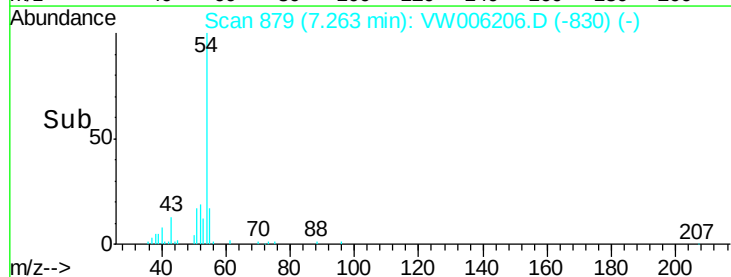
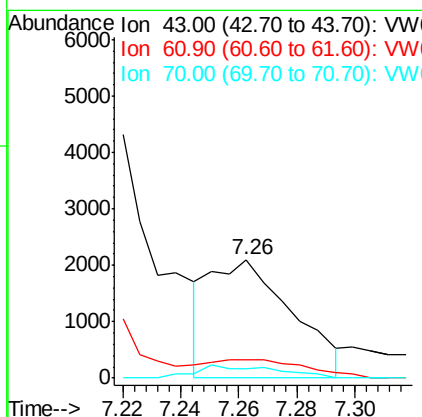
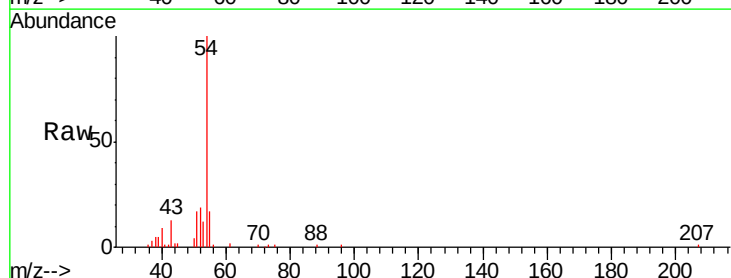
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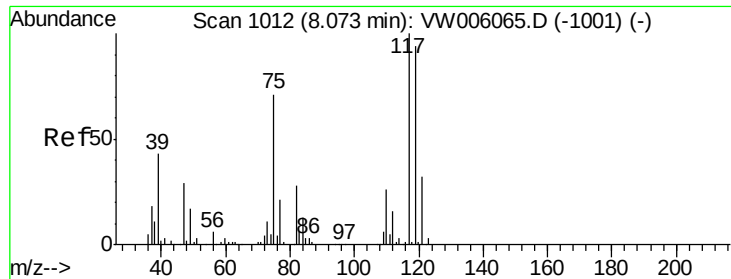
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#37
 Ethyl Acetate
 Concen: 4.62 ug/l m
 RT: 7.26 min Scan# 879
 Delta R.T. 0.00 min
 Lab File: VW006206.D
 Acq: 19 Oct 2018 06:30

Tgt Ion	Ratio	Lower	Upper
43	100		
61	3400.2	11.5	17.3#
70	48.4	9.2	13.8#





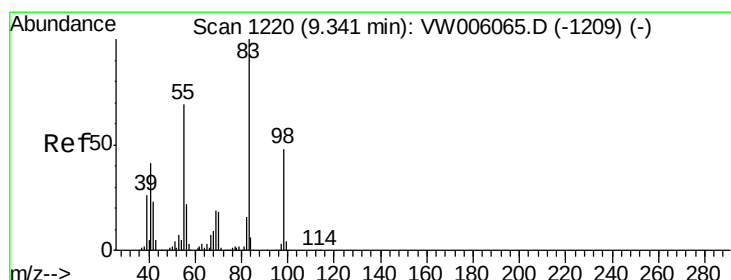
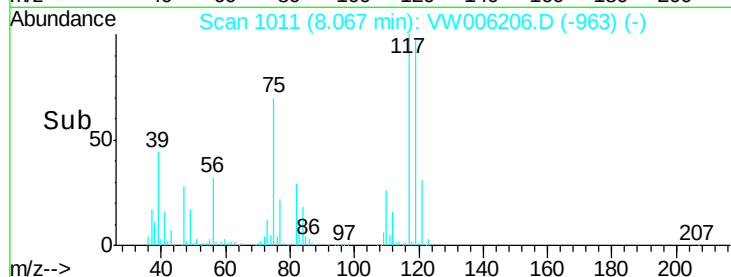
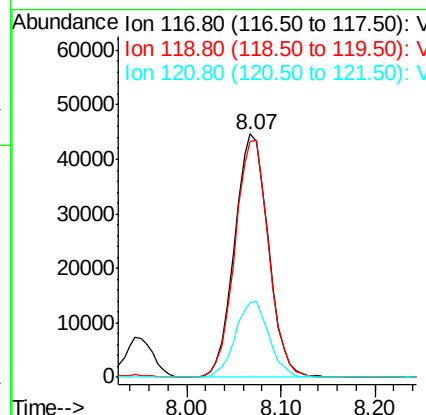
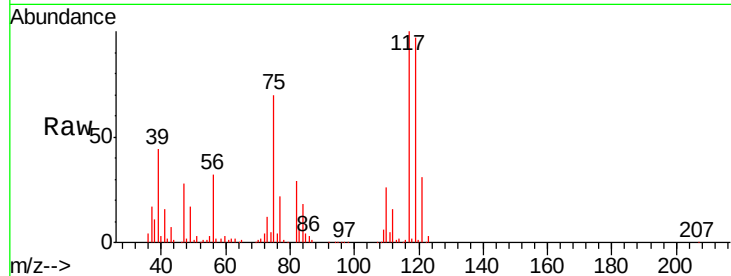
#38
Carbon Tetrachloride
Concen: 42.30 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VW006206.D
Acq: 19 Oct 2018 06:30

Instrument :
MSVOA_W
ClientSampleId :
RLF-SD-5MSD

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.1	75.2	112.8
121	30.8	25.3	37.9

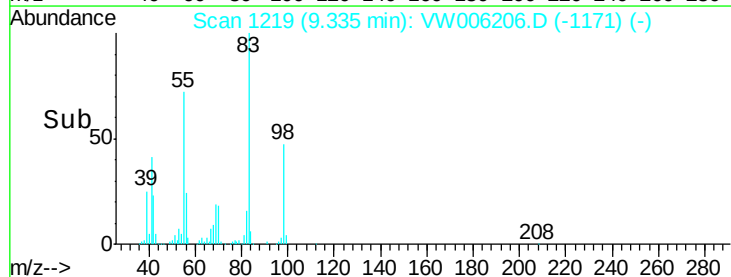
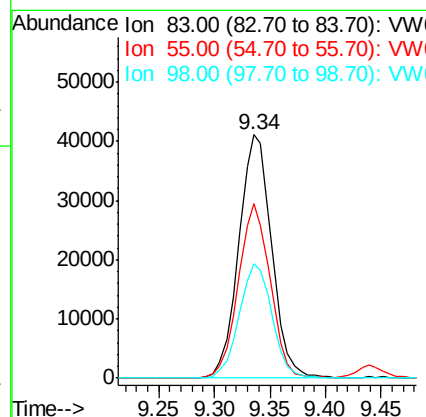
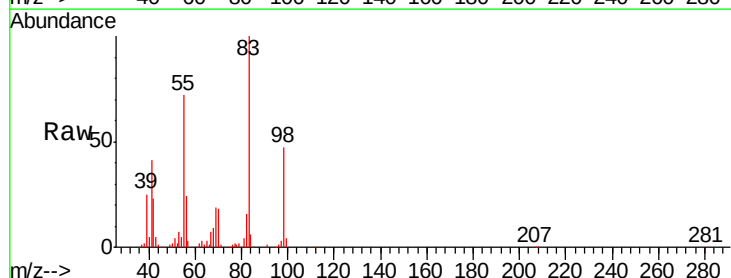
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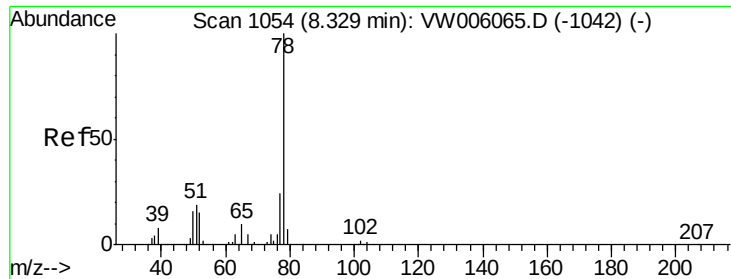
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#39
Methylcyclohexane
Concen: 26.23 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW006206.D
Acq: 19 Oct 2018 06:30

Tgt Ion	Ratio	Lower	Upper
83	100		
55	71.5	55.0	82.6
98	46.8	38.6	57.8





#40

Benzene

Concen: 56.12 ug/l

RT: 8.32 min Scan# 1053

Delta R.T. -0.01 min

Lab File: VW006206.D

Acq: 19 Oct 2018 06:30

Instrument :

MSVOA_W

ClientSampleId :

RLF-SD-5MSD

Tgt Ion: 78 Resp: 370201

Ion Ratio Lower Upper

78 100

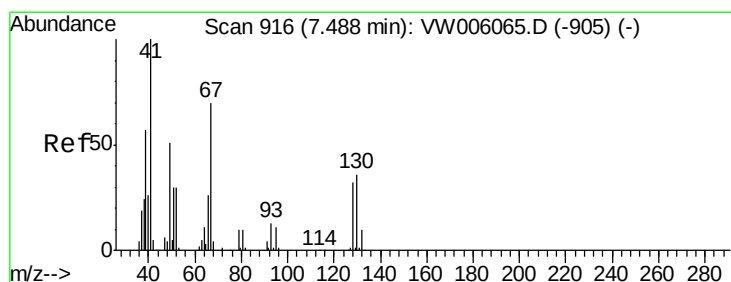
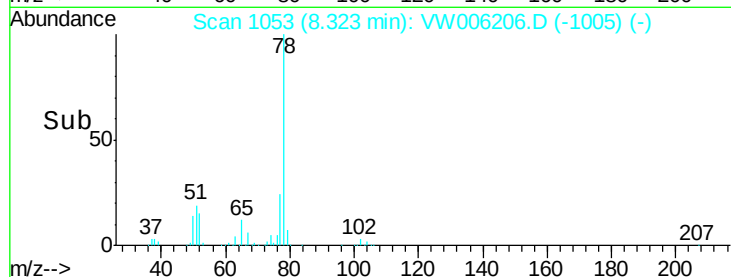
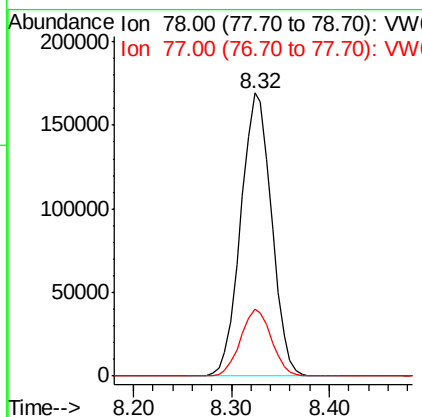
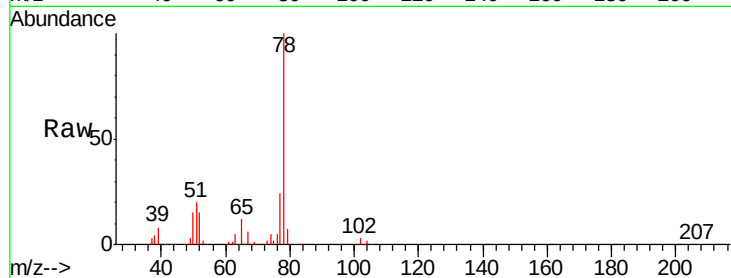
77 23.8 19.4 29.0

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#41

Methacrylonitrile

Concen: 43.60 ug/l

RT: 7.49 min Scan# 916

Delta R.T. 0.00 min

Lab File: VW006206.D

Acq: 19 Oct 2018 06:30

Tgt Ion: 41 Resp: 23485

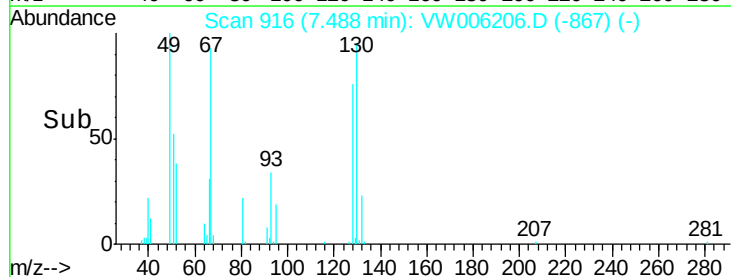
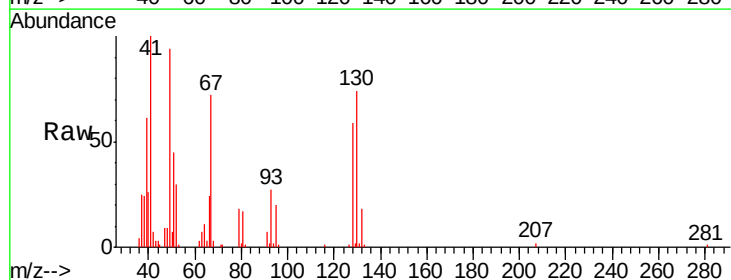
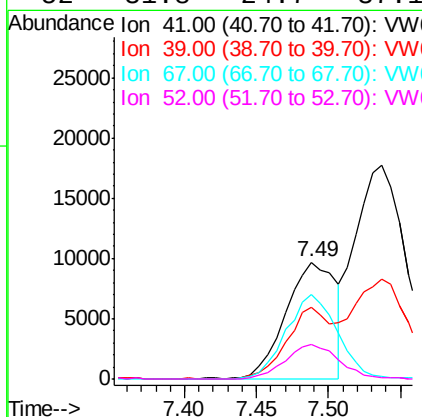
Ion Ratio Lower Upper

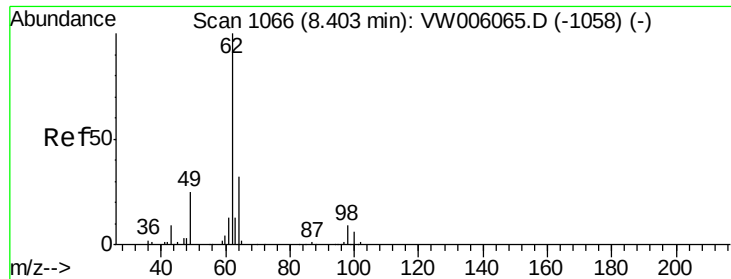
41 100

39 50.4 46.2 69.4

67 74.3 57.7 86.5

52 31.8 24.7 37.1





#42

1,2-Dichloroethane

Concen: 60.61 ug/l

RT: 8.40 min Scan# 1066

Delta R.T. 0.00 min

Lab File: VW006206.D

Acq: 19 Oct 2018 06:30

Instrument :

MSVOA_W

ClientSampleId :

RLF-SD-5MSD

Tgt Ion: 62 Resp: 117483

Ion Ratio Lower Upper

62 100

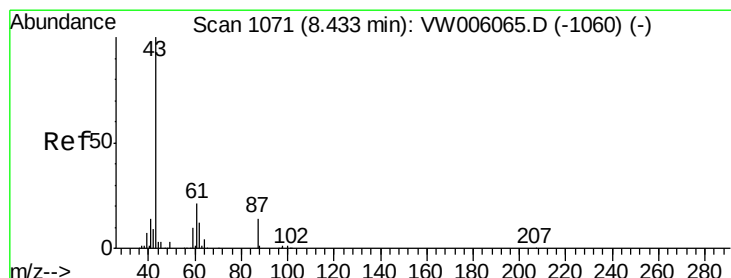
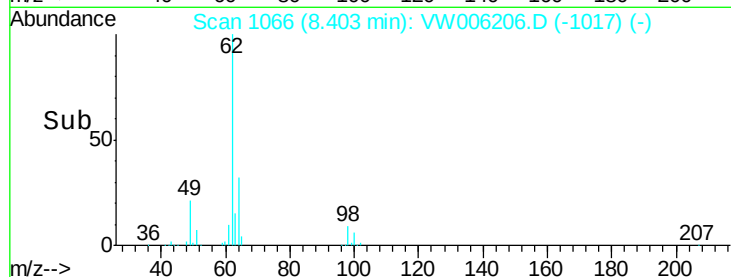
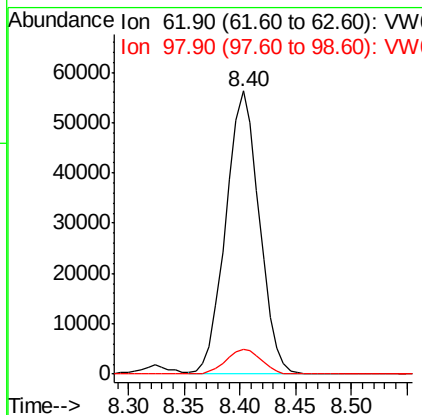
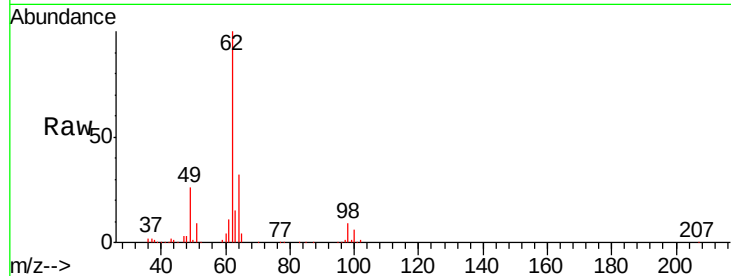
98 9.2 0.0 18.4

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#43

Isopropyl Acetate

Concen: 10.41 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.01 min

Lab File: VW006206.D

Acq: 19 Oct 2018 06:30

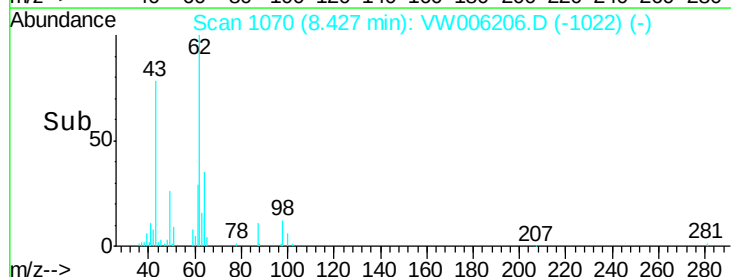
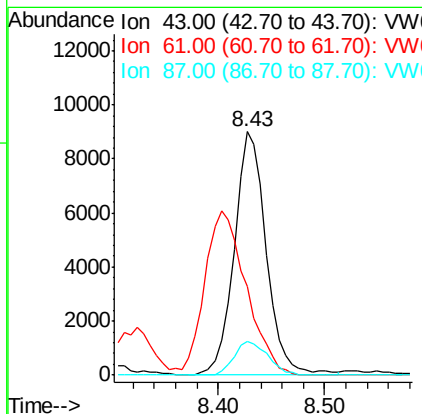
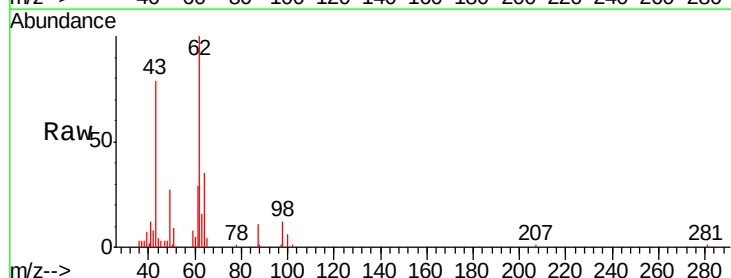
Tgt Ion: 43 Resp: 19015

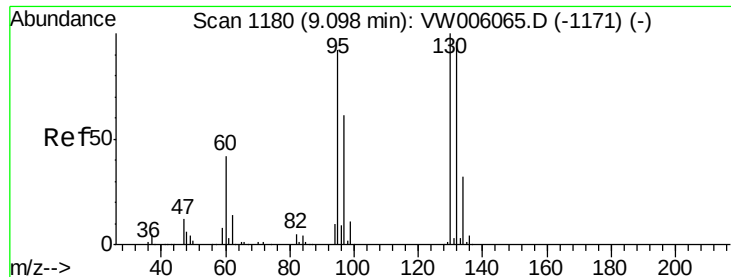
Ion Ratio Lower Upper

43 100

61 0.0 25.5 38.3#

87 14.5 11.7 17.5





#44

Trichloroethene

Concen: 51.84 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.01 min

Lab File: VW006206.D

Acq: 19 Oct 2018 06:30

Instrument :

MSVOA_W

ClientSampleId :

RLF-SD-5MSD

Tgt Ion:130 Resp: 104923

Ion Ratio Lower Upper

130 100

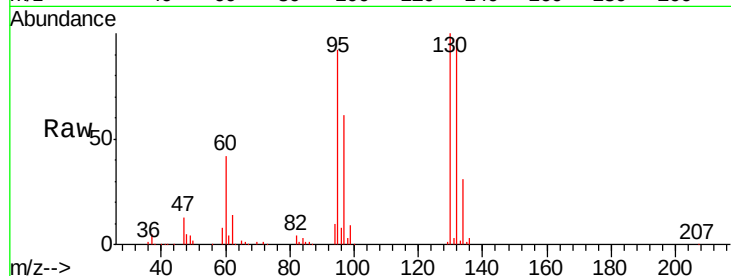
95 92.3 0.0 183.2

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Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

9.09

60000

50000

40000

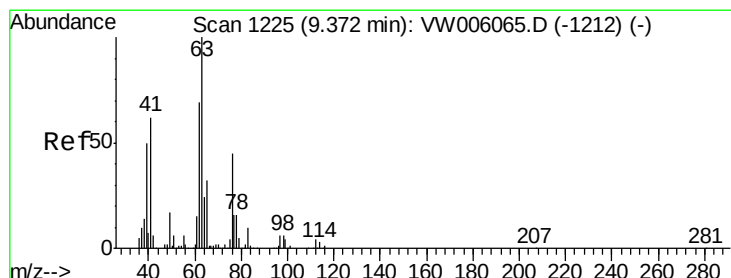
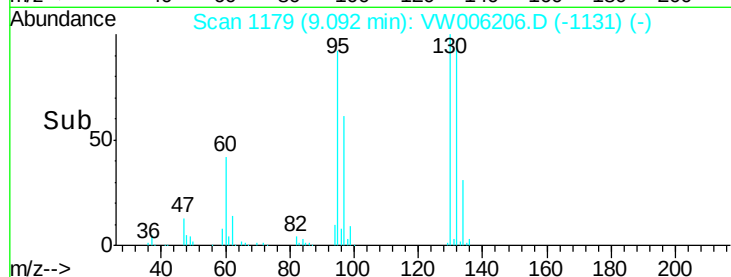
30000

20000

10000

0

Time-->



#45

1,2-Dichloropropane

Concen: 56.00 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. 0.00 min

Lab File: VW006206.D

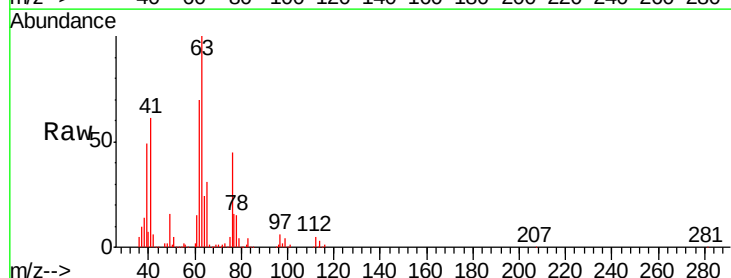
Acq: 19 Oct 2018 06:30

Tgt Ion: 63 Resp: 88409

Ion Ratio Lower Upper

63 100

65 31.0 25.4 38.0



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW

9.37

50000

40000

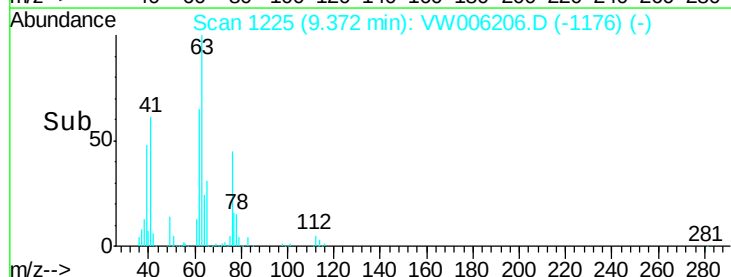
30000

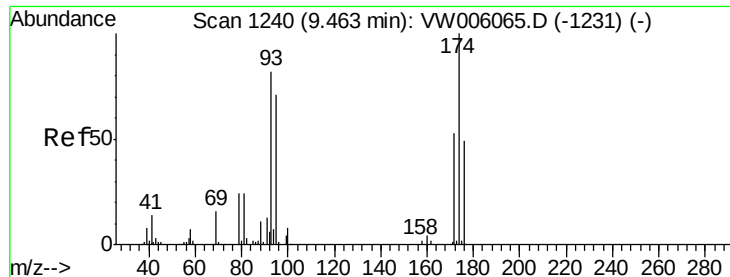
20000

10000

0

Time-->





#46

Dibromomethane

Concen: 61.91 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.01 min

Lab File: VW006206.D

Acq: 19 Oct 2018 06:30

Instrument :

MSVOA_W

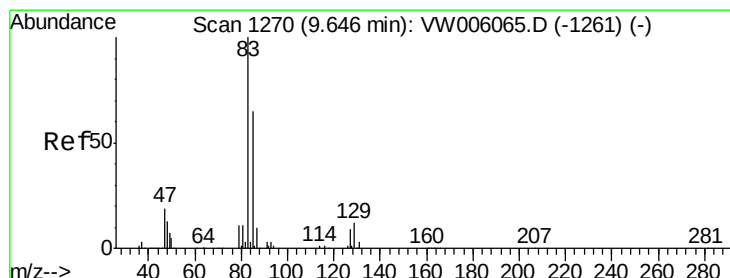
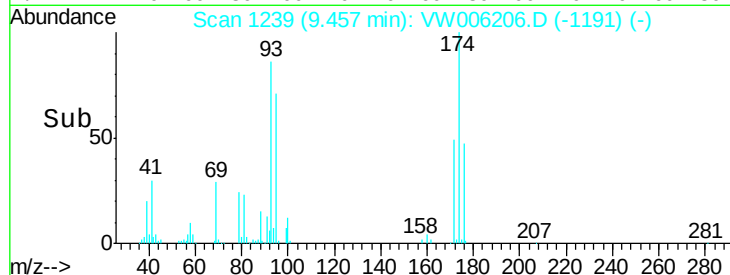
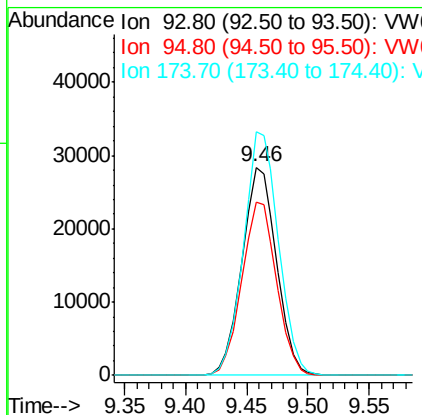
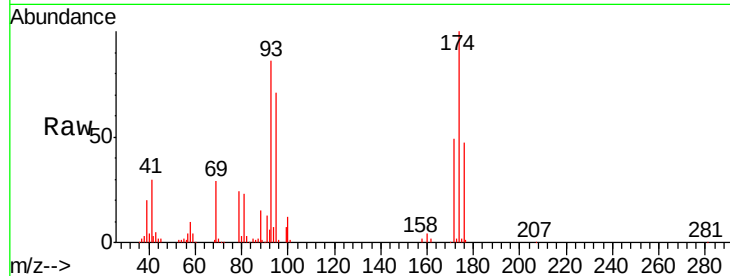
ClientSampleId :

RLF-SD-5MSD

Tgt Ion:	93	Resp:	55701
Ion Ratio	Lower	Upper	
93	100		
95	83.6	67.7	101.5
174	118.2	93.7	140.5

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#47

Bromodichloromethane

Concen: 47.21 ug/l

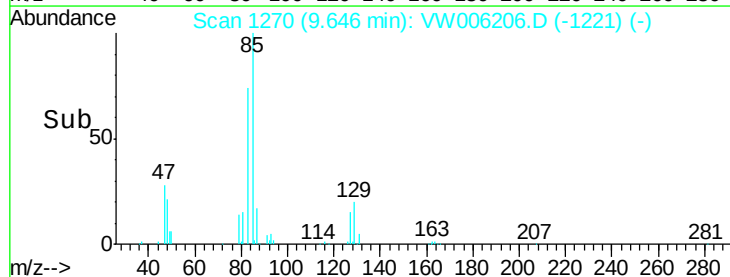
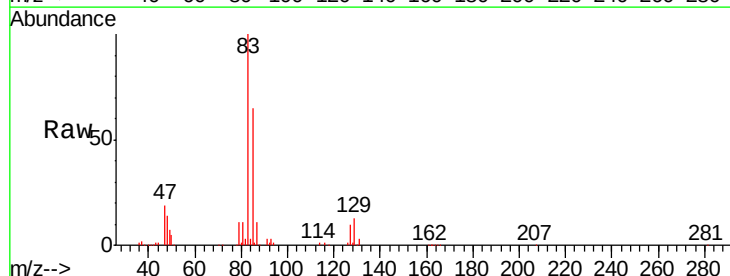
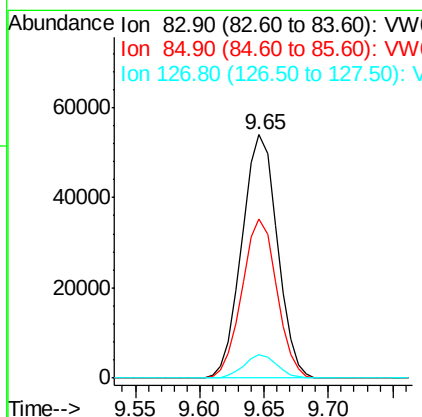
RT: 9.65 min Scan# 1270

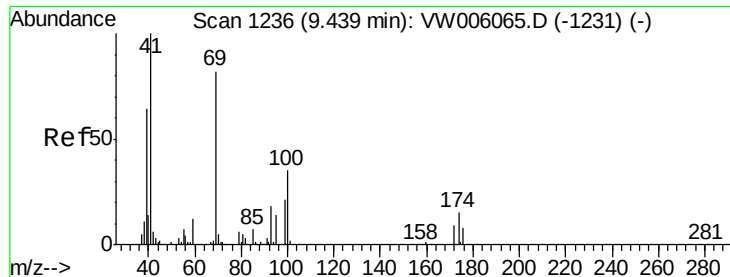
Delta R.T. 0.00 min

Lab File: VW006206.D

Acq: 19 Oct 2018 06:30

Tgt Ion:	83	Resp:	102976
Ion Ratio	Lower	Upper	
83	100		
85	65.2	51.8	77.8
127	9.6	6.9	10.3





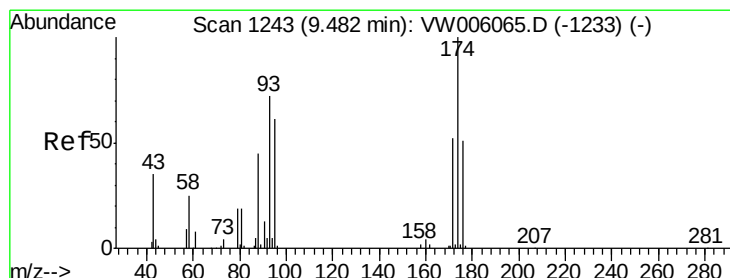
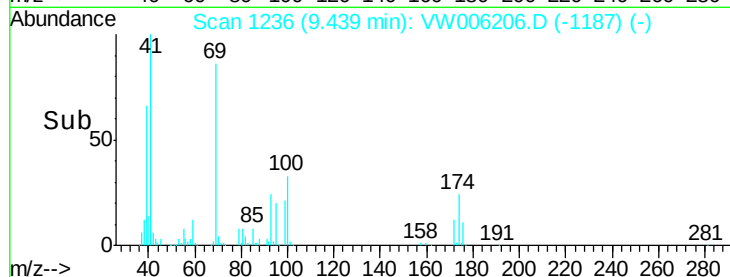
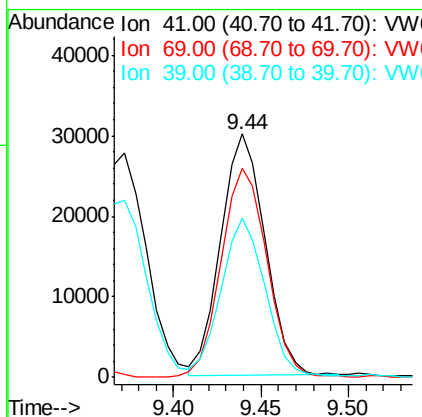
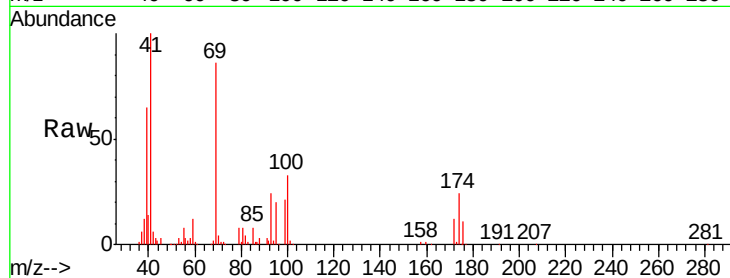
#48
Methyl methacrylate
Concen: 60.82 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VW006206.D
Acq: 19 Oct 2018 06:30

Instrument :
MSVOA_W
ClientSampleId :
RLF-SD-5MSD

Tgt Ion	Ratio	Lower	Upper
41	100		
69	90.2	71.8	107.8
39	64.8	52.5	78.7

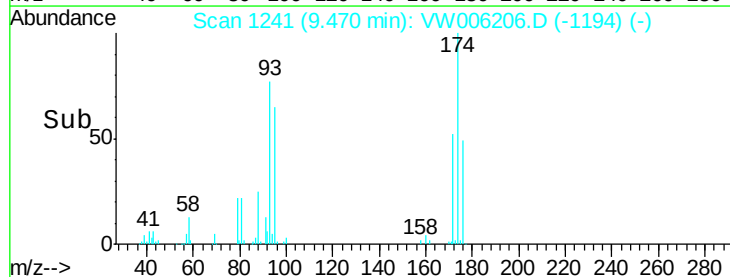
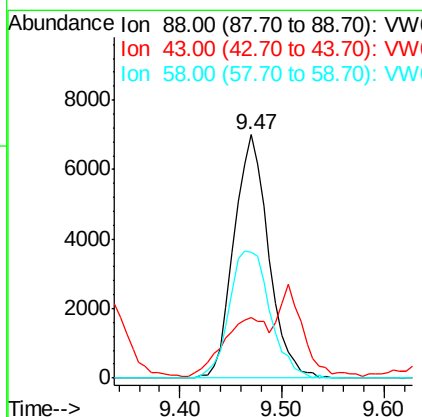
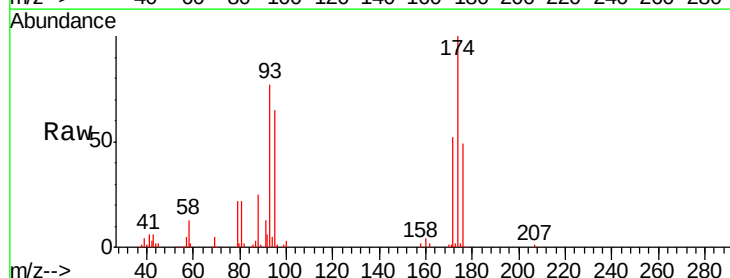
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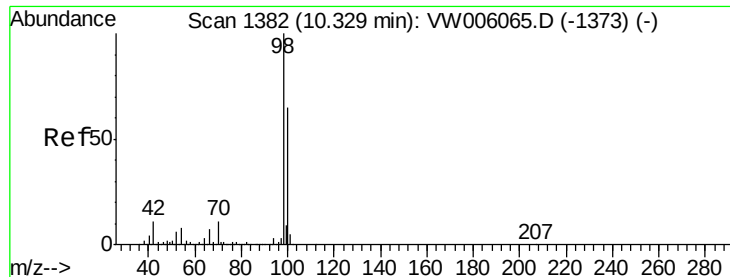
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#49
1,4-Dioxane
Concen: 1189.56 ug/l
RT: 9.47 min Scan# 1241
Delta R.T. -0.01 min
Lab File: VW006206.D
Acq: 19 Oct 2018 06:30

Tgt Ion	Ratio	Lower	Upper
88	100		
43	31.2	0.0	0.0#
58	61.6	51.2	76.8





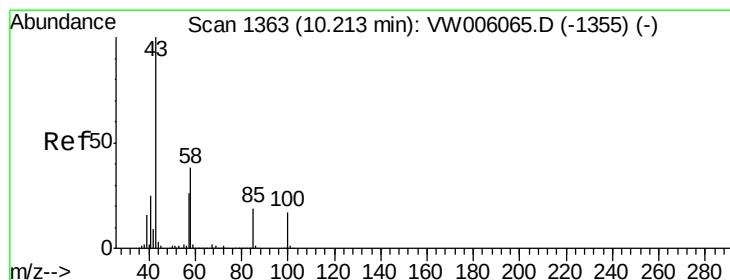
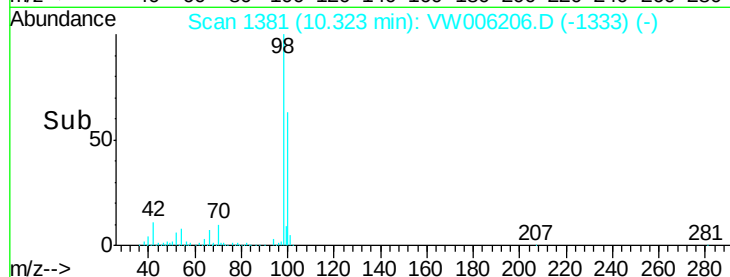
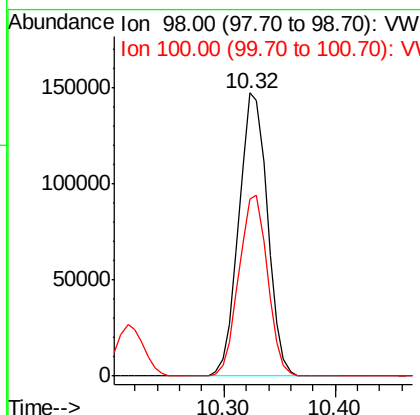
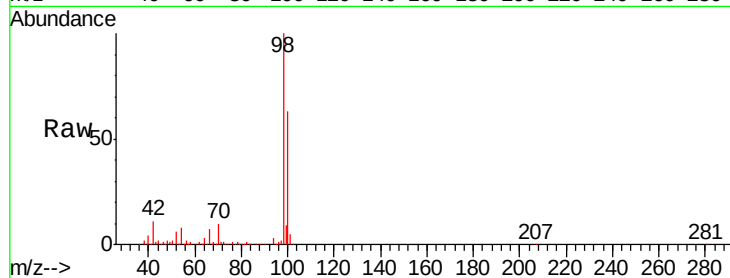
#50
Toluene-d8
Concen: 44.84 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.01 min
Lab File: VW006206.D
Acq: 19 Oct 2018 06:30

Instrument :
MSVOA_W
ClientSampleId :
RLF-SD-5MSD

Tgt Ion: 98 Resp: 263048
Ion Ratio Lower Upper
98 100
100 63.9 51.6 77.4

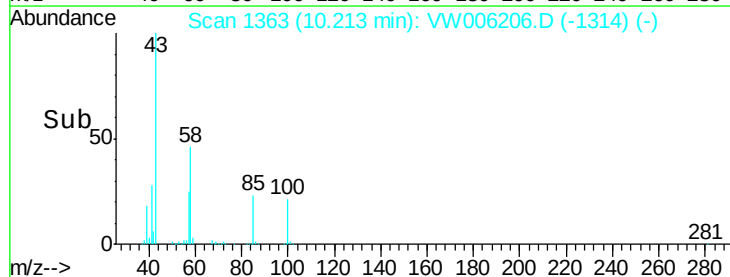
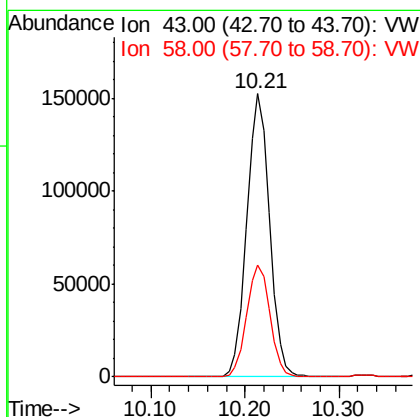
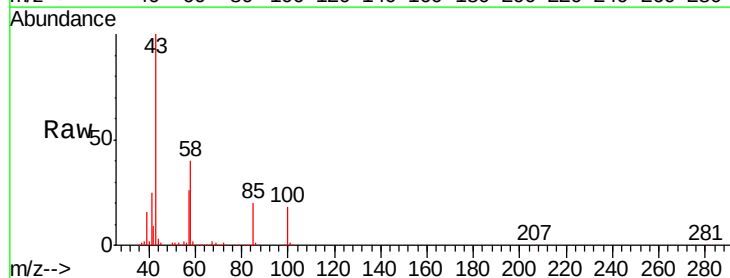
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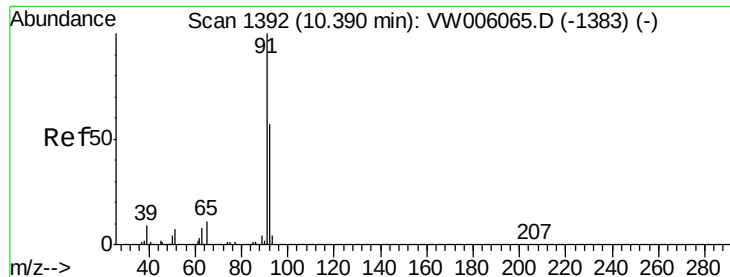
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#51
4-Methyl-2-Pentanone
Concen: 283.72 ug/l
RT: 10.21 min Scan# 1363
Delta R.T. 0.00 min
Lab File: VW006206.D
Acq: 19 Oct 2018 06:30

Tgt Ion: 43 Resp: 259719
Ion Ratio Lower Upper
43 100
58 40.6 31.5 47.3





#52

Toluene

Concen: 49.61 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW006206.D

Acq: 19 Oct 2018 06:30

Instrument :

MSVOA_W

ClientSampleId :

RLF-SD-5MSD

Tgt Ion: 92 Resp: 219408

Ion Ratio Lower Upper

92 100

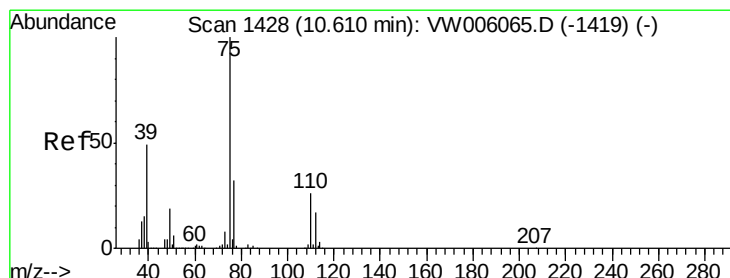
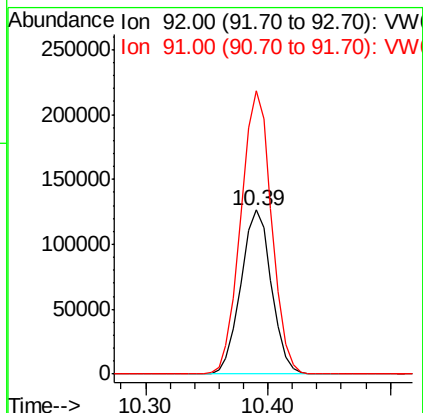
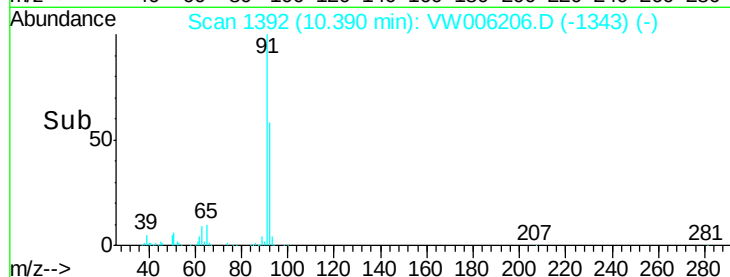
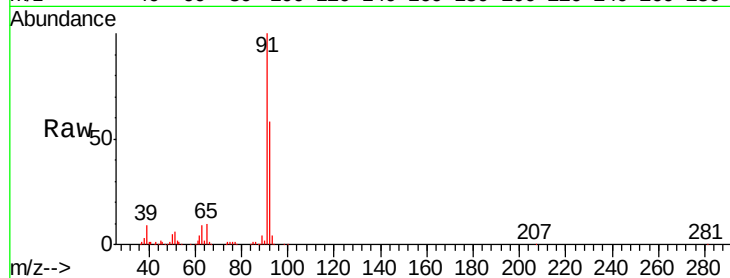
91 173.0 140.0 210.0

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#53

t-1,3-Dichloropropene

Concen: 38.55 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW006206.D

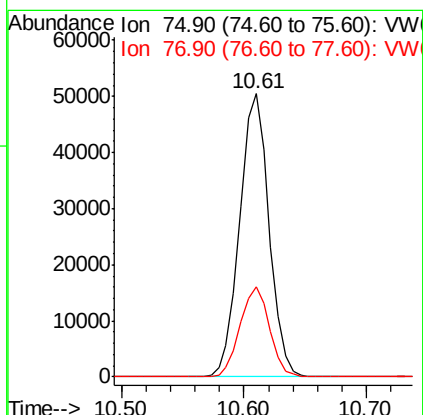
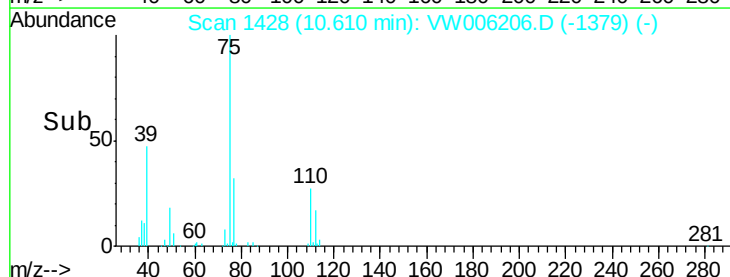
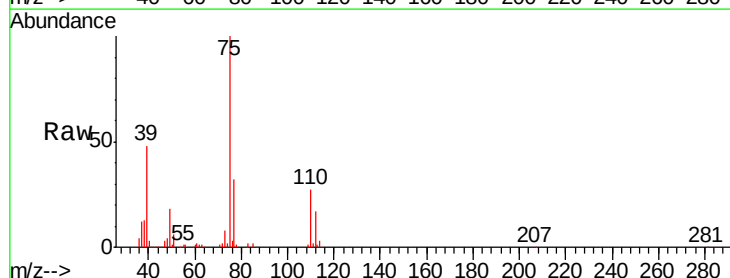
Acq: 19 Oct 2018 06:30

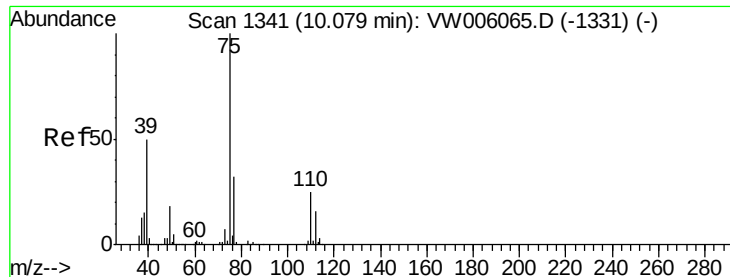
Tgt Ion: 75 Resp: 83789

Ion Ratio Lower Upper

75 100

77 31.8 25.4 38.2





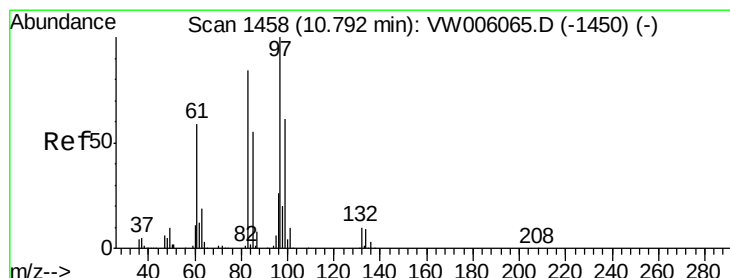
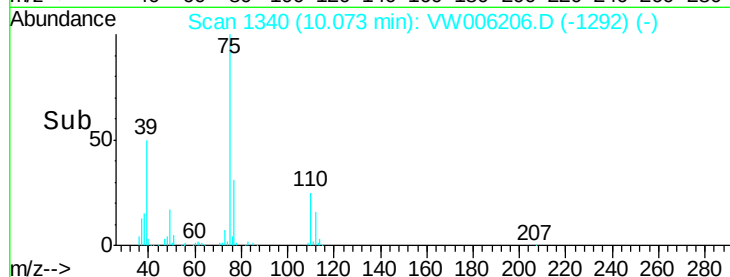
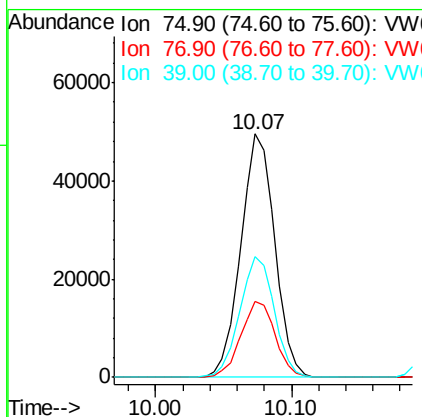
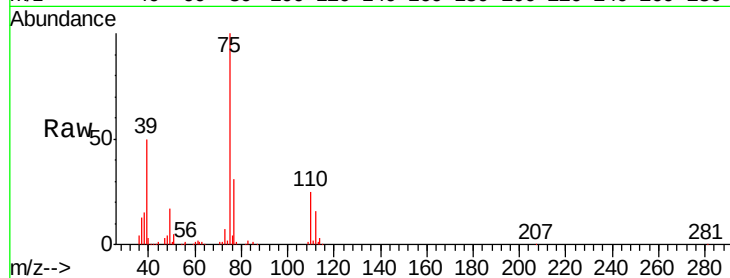
#54
 cis-1,3-Dichloropropene
 Concen: 34.67 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.01 min
 Lab File: VW006206.D
 Acq: 19 Oct 2018 06:30

Instrument :
 MSVOA_W
 ClientSampleId :
 RLF-SD-5MSD

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.2	37.8
39	49.5	39.9	59.9

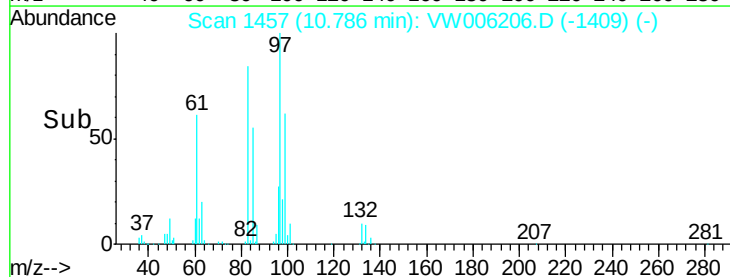
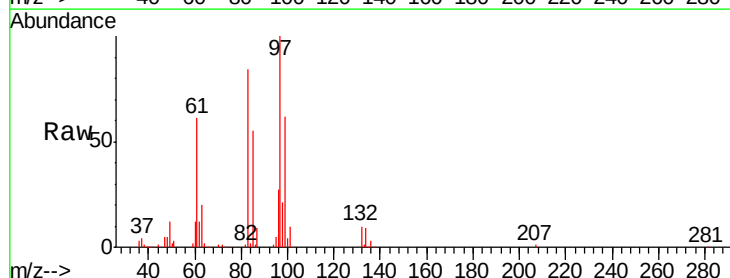
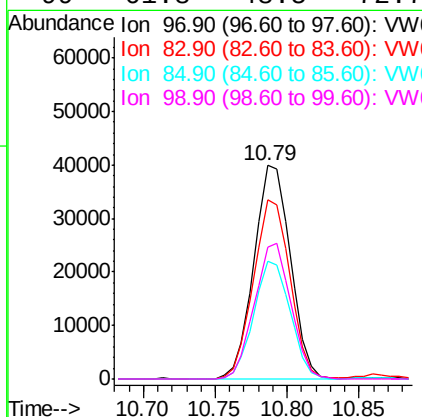
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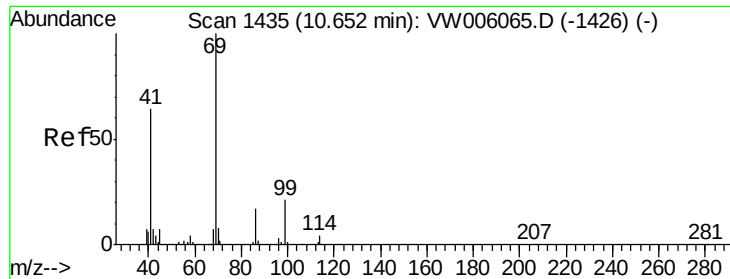
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#55
 1,1,2-Trichloroethane
 Concen: 55.62 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.01 min
 Lab File: VW006206.D
 Acq: 19 Oct 2018 06:30

Tgt Ion	Ratio	Lower	Upper
97	100		
83	83.9	67.2	100.8
85	55.2	43.7	65.5
99	61.8	48.5	72.7





#56

Ethyl methacrylate

Concen: 4.85 ug/l

RT: 10.65 min Scan# 1435

Delta R.T. 0.00 min

Lab File: VW006206.D

Acq: 19 Oct 2018 06:30

Instrument :

MSVOA_W

ClientSampleId :

RLF-SD-5MSD

Tgt Ion: 69 Resp: 7482

Ion Ratio Lower Upper

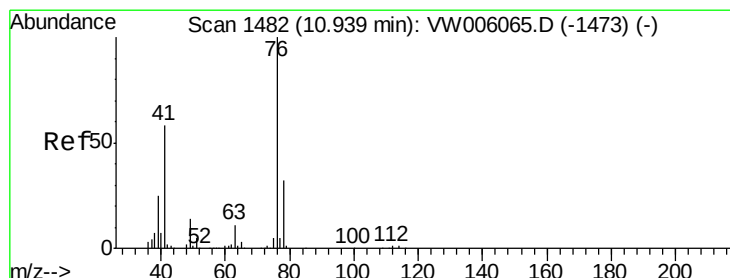
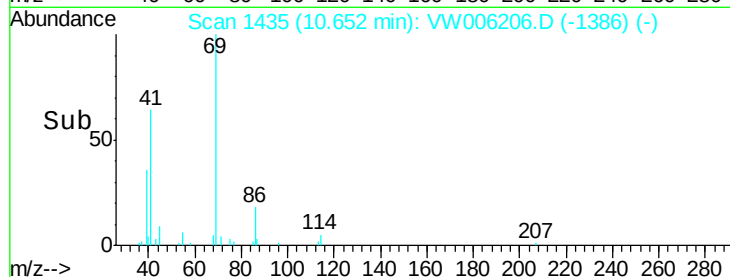
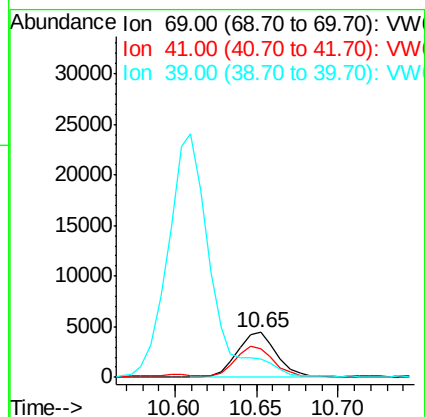
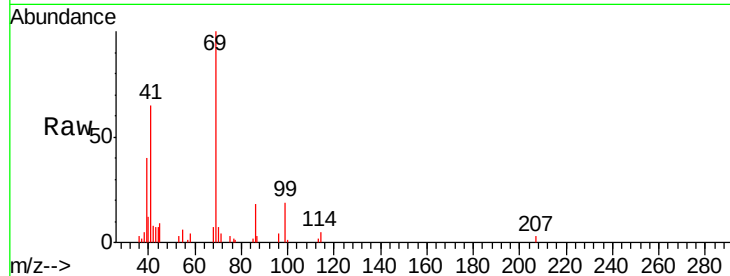
69 100

41 63.4 52.8 79.2

39 0.0 30.6 45.8#

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#57

1,3-Dichloropropane

Concen: 56.19 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.01 min

Lab File: VW006206.D

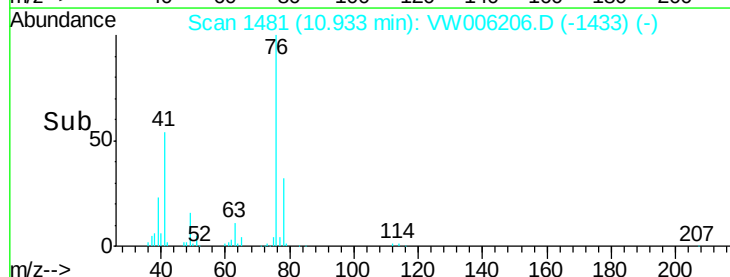
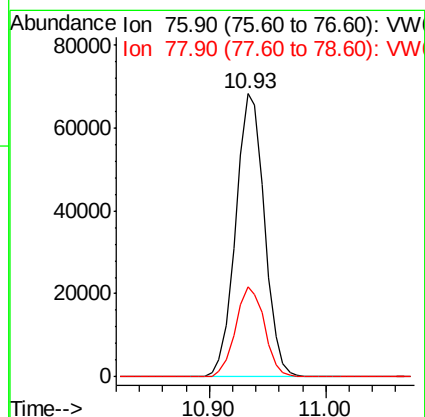
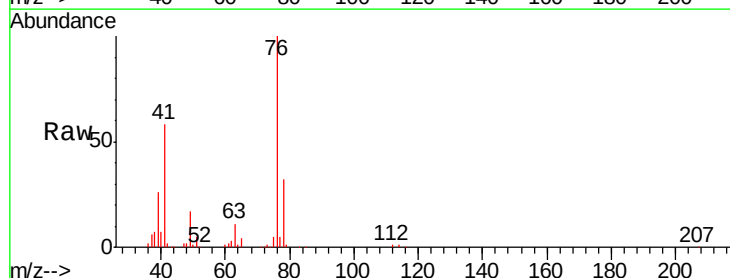
Acq: 19 Oct 2018 06:30

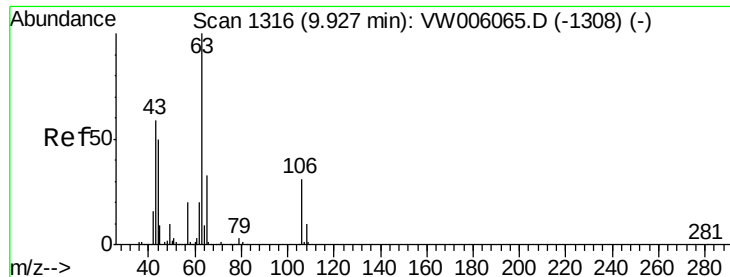
Tgt Ion: 76 Resp: 117123

Ion Ratio Lower Upper

76 100

78 32.1 25.9 38.9





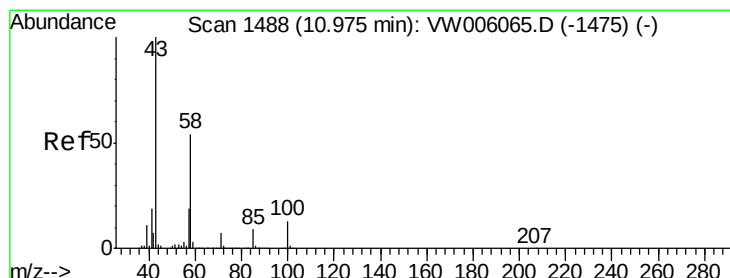
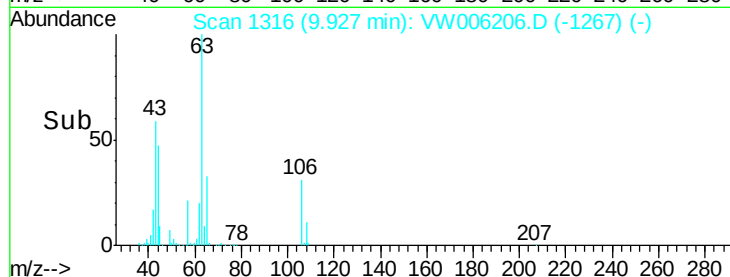
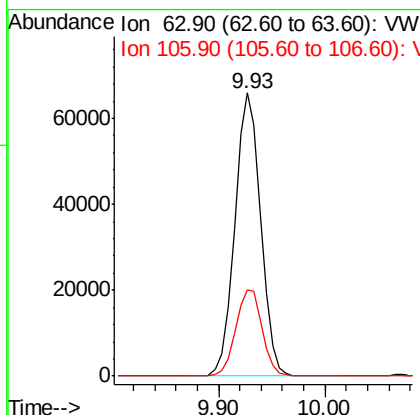
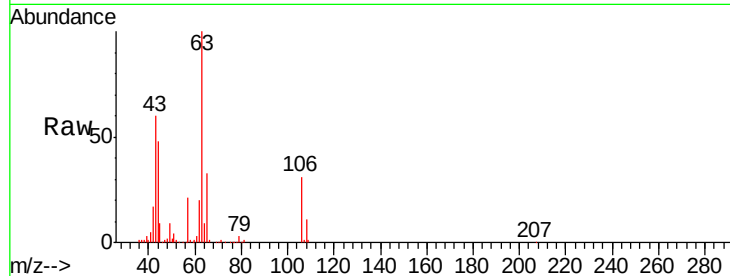
#58
 2-Chloroethyl Vinyl ether
 Concen: 189.72 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW006206.D
 Acq: 19 Oct 2018 06:30

Instrument :
 MSVOA_W
 ClientSampleId :
 RLF-SD-5MSD

Tgt Ion: 63 Resp: 111901
 Ion Ratio Lower Upper
 63 100
 106 31.2 24.5 36.7

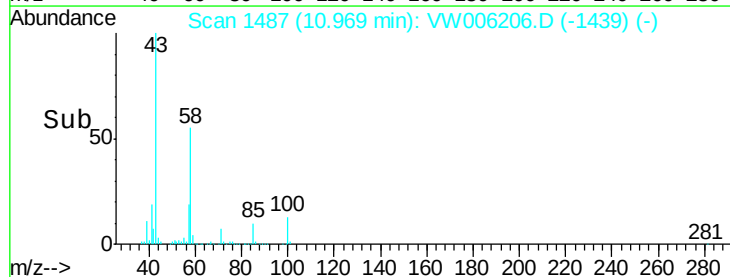
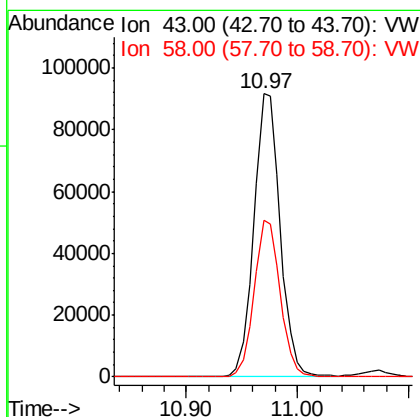
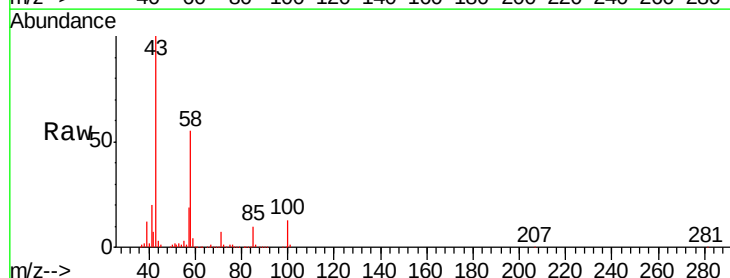
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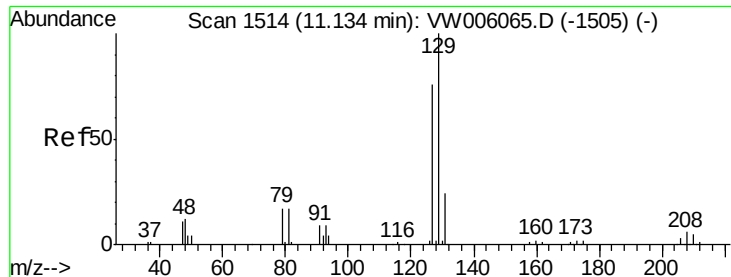
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#59
 2-Hexanone
 Concen: 231.13 ug/l
 RT: 10.97 min Scan# 1487
 Delta R.T. -0.01 min
 Lab File: VW006206.D
 Acq: 19 Oct 2018 06:30

Tgt Ion: 43 Resp: 151030
 Ion Ratio Lower Upper
 43 100
 58 55.0 26.9 80.6





#60

Dibromochloromethane

Concen: 42.15 ug/l

RT: 11.13 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VW006206.D

Acq: 19 Oct 2018 06:30

Instrument :

MSVOA_W

ClientSampleId :

RLF-SD-5MSD

Tgt Ion:129 Resp: 66103

Ion Ratio Lower Upper

129 100

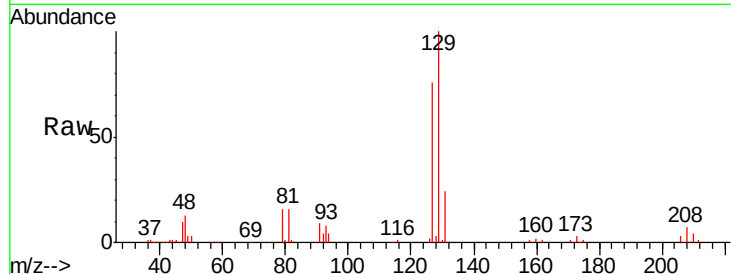
127 77.7 38.6 115.7

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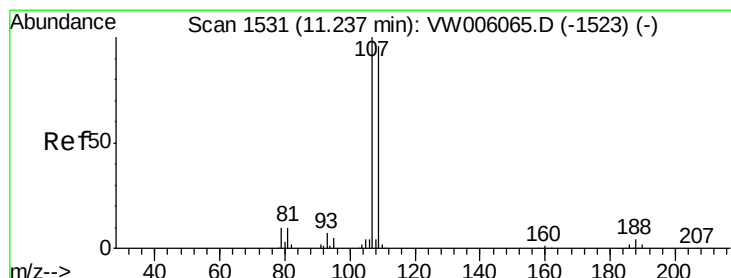
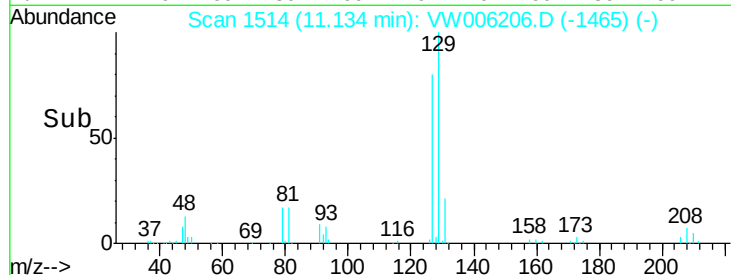
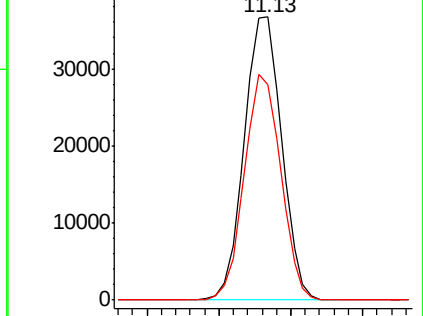
apatel

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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 51.03 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW006206.D

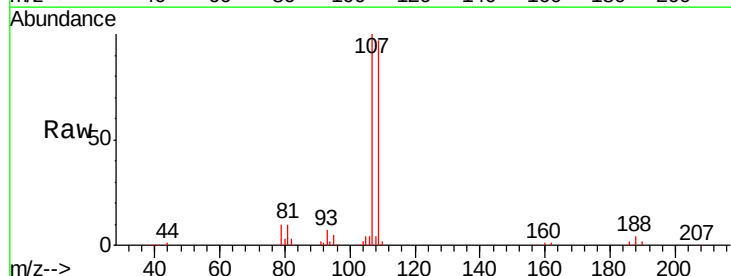
Acq: 19 Oct 2018 06:30

Tgt Ion:107 Resp: 64199

Ion Ratio Lower Upper

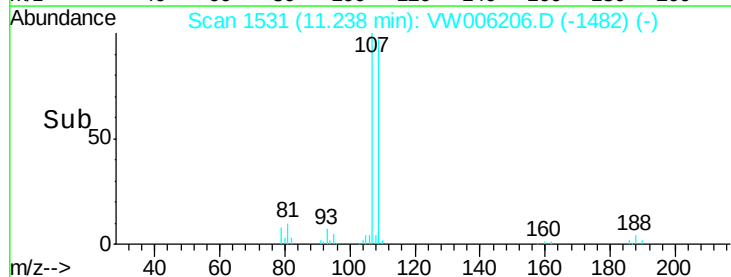
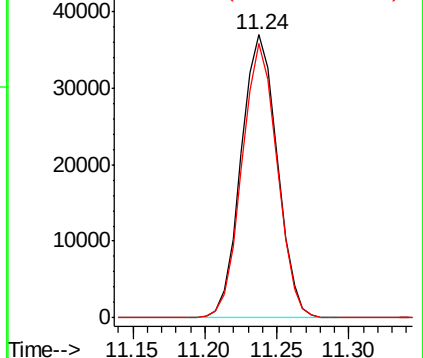
107 100

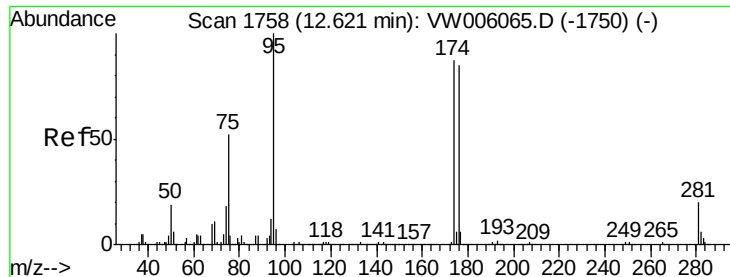
109 94.2 76.3 114.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 31.97 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW006206.D

Acq: 19 Oct 2018 06:30

Instrument :

MSVOA_W

ClientSampleId :

RLF-SD-5MSD

Tgt Ion: 95 Resp: 70427

Ion Ratio Lower Upper

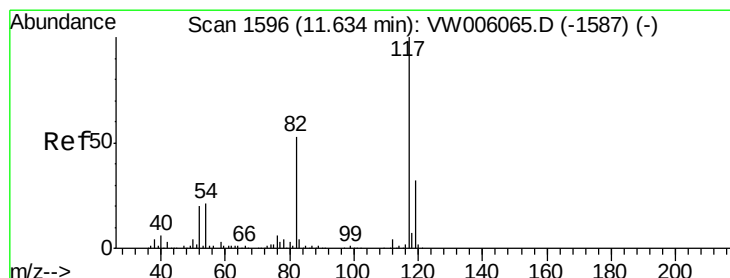
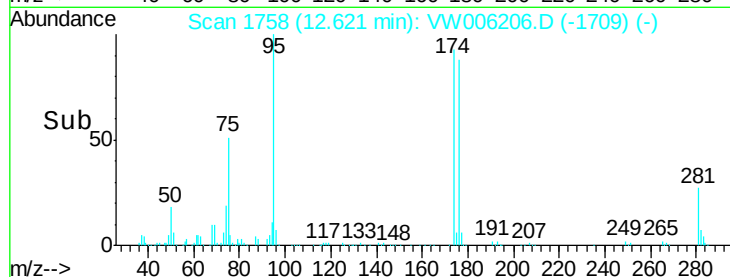
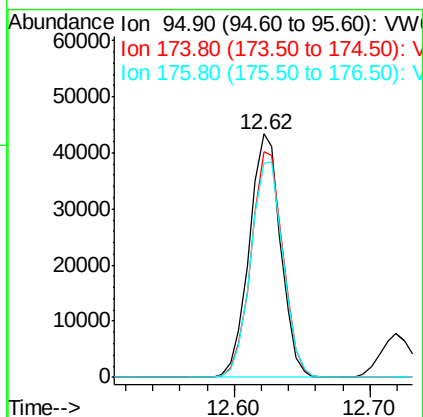
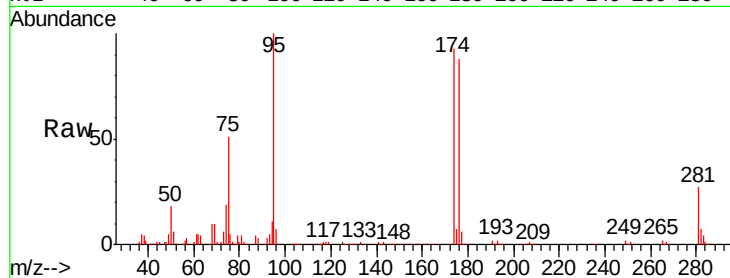
95 100

174 93.8 0.0 186.0

176 91.4 0.0 181.6

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#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VW006206.D

Acq: 19 Oct 2018 06:30

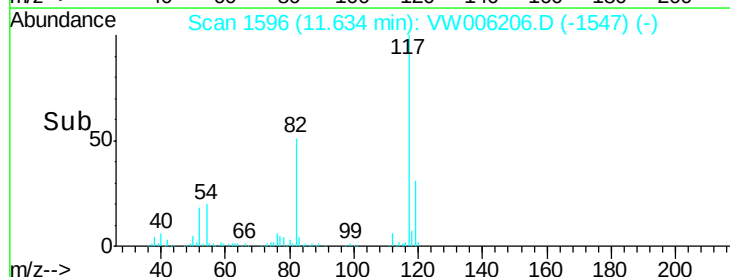
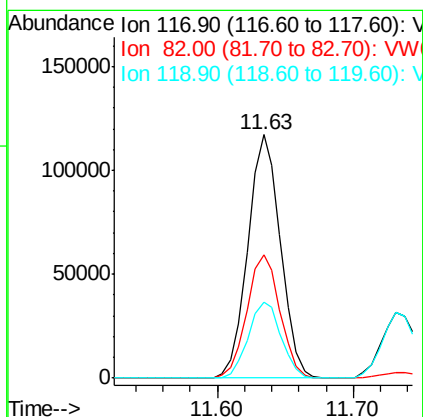
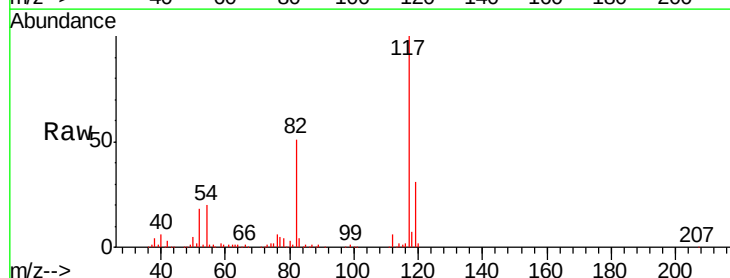
Tgt Ion: 117 Resp: 195812

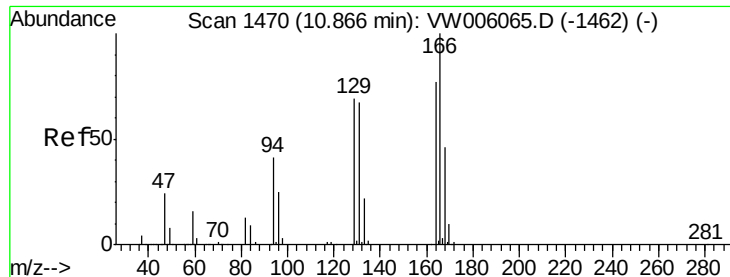
Ion Ratio Lower Upper

117 100

82 50.9 42.1 63.1

119 31.5 25.8 38.6





#64

Tetrachloroethene

Concen: 49.34 ug/l

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW006206.D

Acq: 19 Oct 2018 06:30

Instrument :

MSVOA_W

ClientSampleId :

RLF-SD-5MSD

Tgt Ion:164 Resp: 74996

Ion Ratio Lower Upper

164 100

166 130.6 103.4 155.0

129 88.2 71.8 107.8

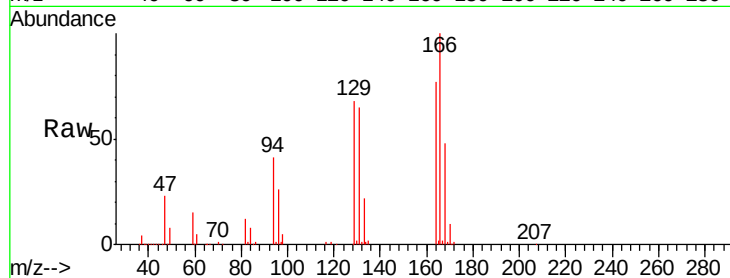
131 84.6 69.5 104.3

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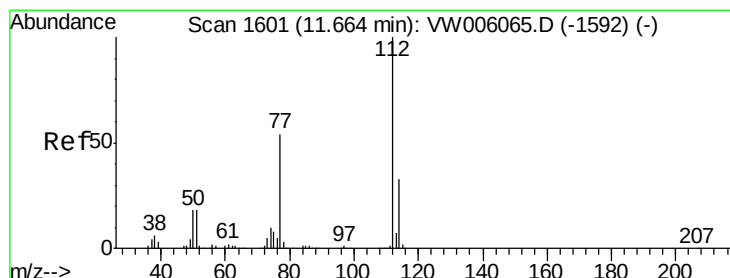
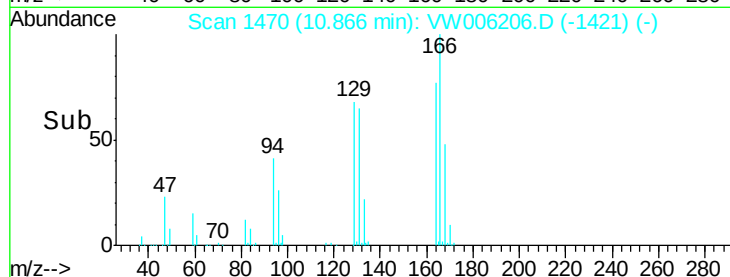
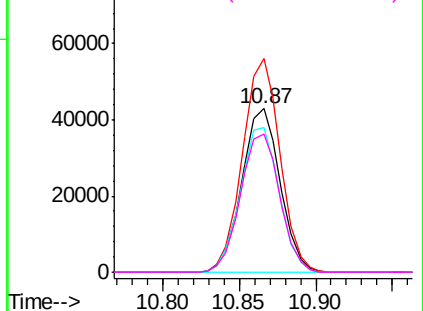


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 52.22 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.01 min

Lab File: VW006206.D

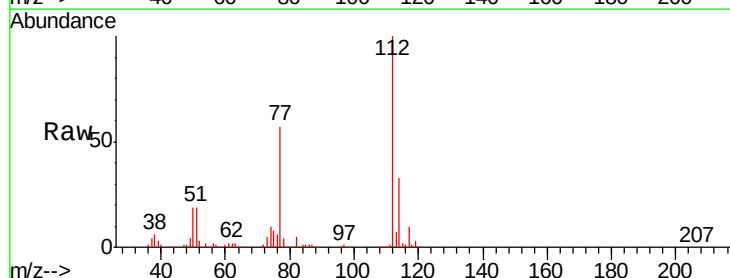
Acq: 19 Oct 2018 06:30

Tgt Ion:112 Resp: 218909

Ion Ratio Lower Upper

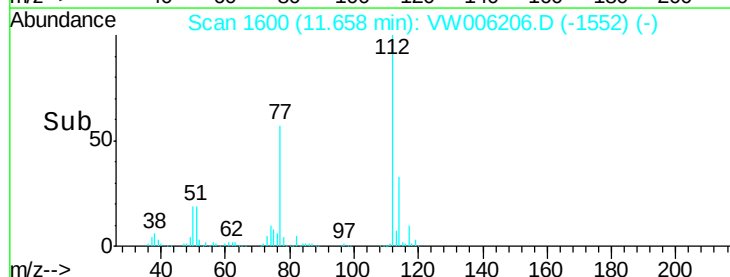
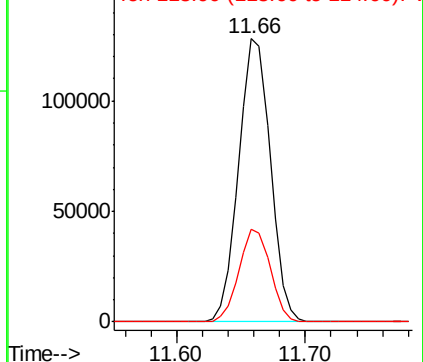
112 100

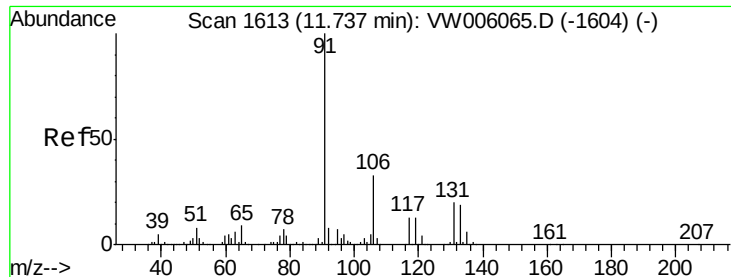
114 32.7 26.2 39.2



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 55.79 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.01 min

Lab File: VW006206.D

Acq: 19 Oct 2018 06:30

Instrument :

MSVOA_W

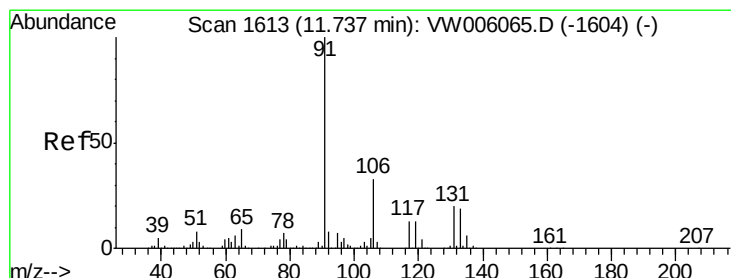
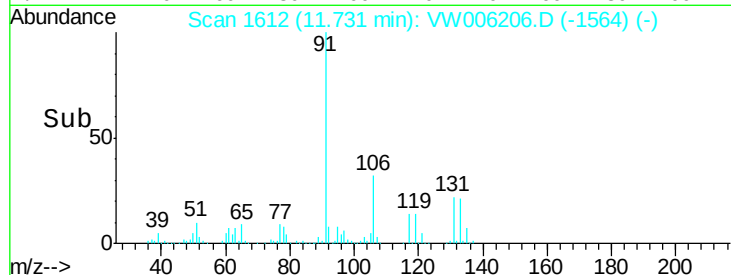
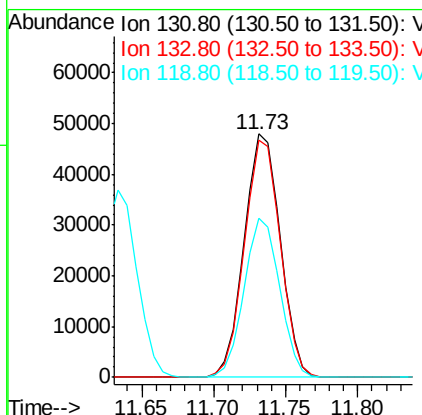
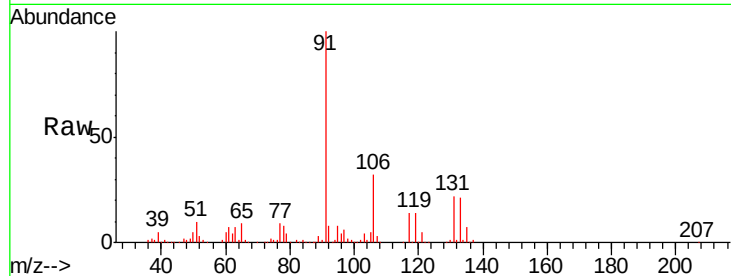
ClientSampleId :

RLF-SD-5MSD

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.8	48.1	144.3
119	64.4	31.6	94.7

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#67

Ethyl Benzene

Concen: 50.19 ug/l

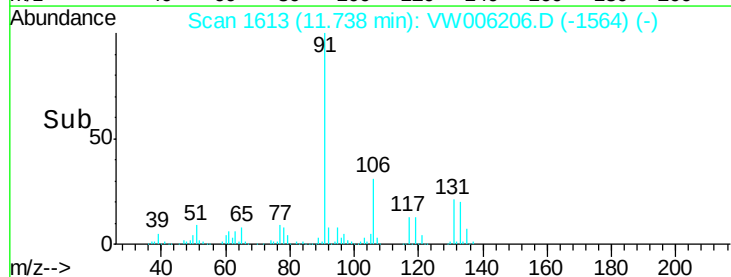
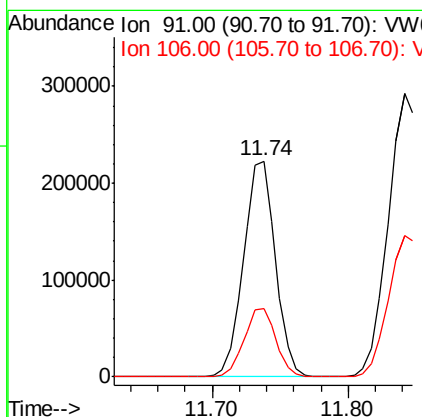
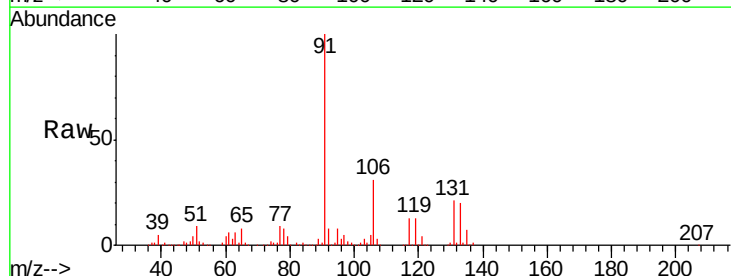
RT: 11.74 min Scan# 1613

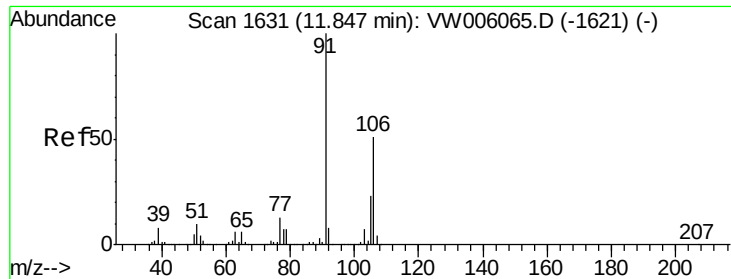
Delta R.T. 0.00 min

Lab File: VW006206.D

Acq: 19 Oct 2018 06:30

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.5	26.1	39.1





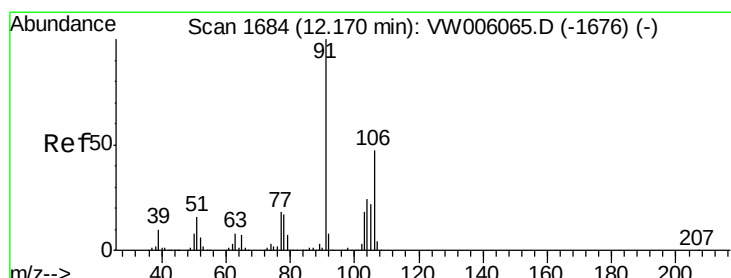
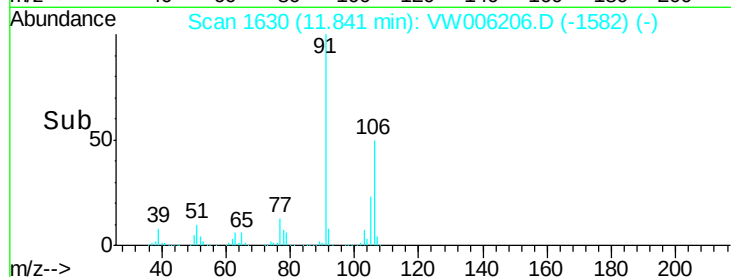
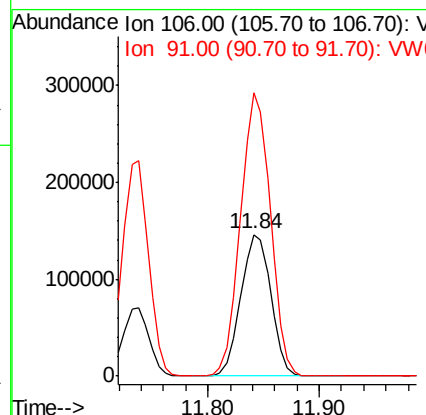
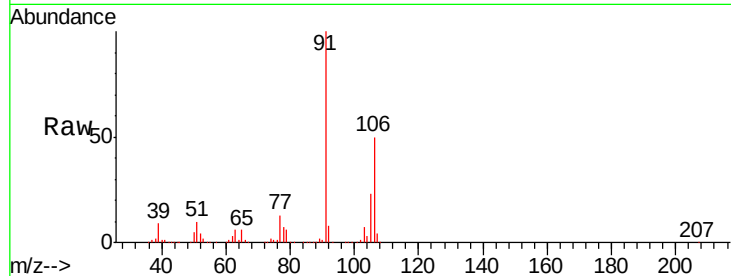
#68
m/p-Xylenes
Concen: 95.71 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.01 min
Lab File: VW006206.D
Acq: 19 Oct 2018 06:30

Instrument :
MSVOA_W
ClientSampleId :
RLF-SD-5MSD

Tgt Ion:106 Resp: 274817
Ion Ratio Lower Upper
106 100
91 197.9 159.1 238.7

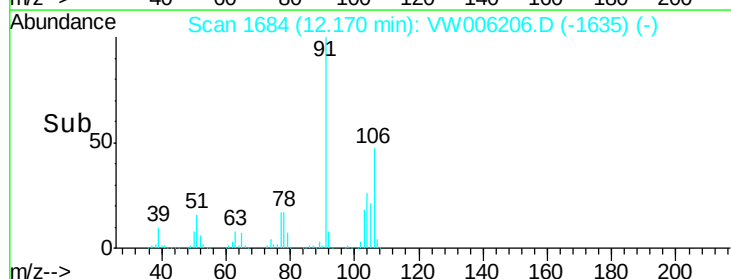
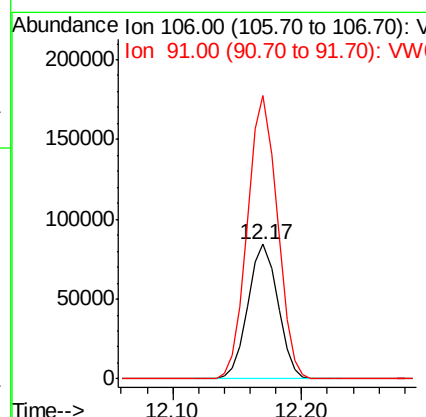
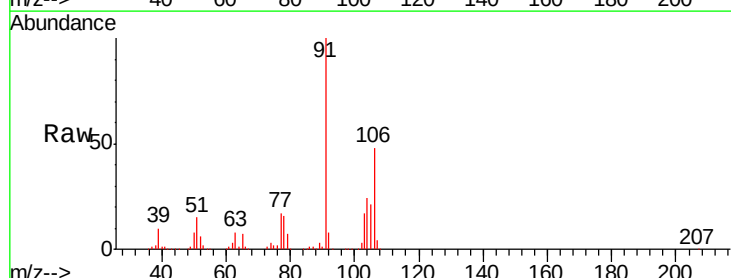
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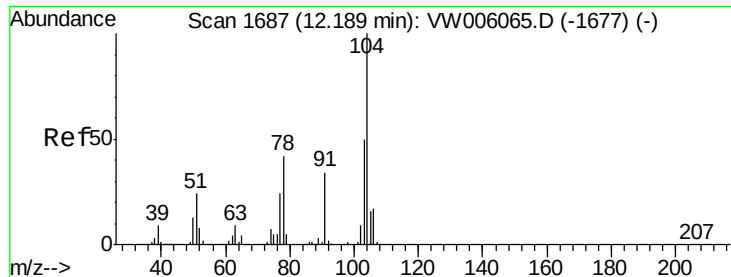
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#69
o-Xylene
Concen: 49.59 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW006206.D
Acq: 19 Oct 2018 06:30

Tgt Ion:106 Resp: 135704
Ion Ratio Lower Upper
106 100
91 209.8 105.4 316.1





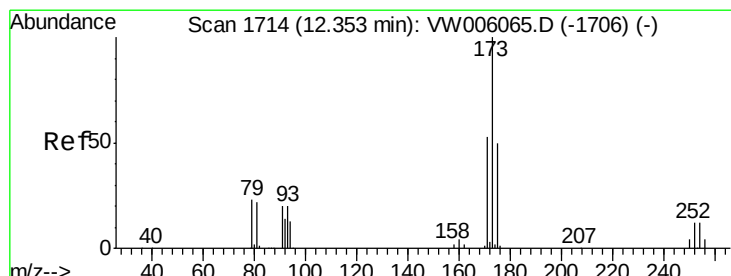
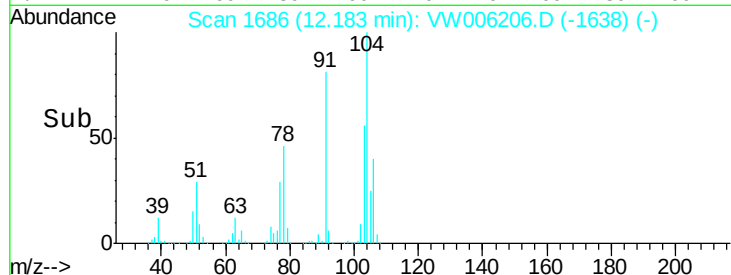
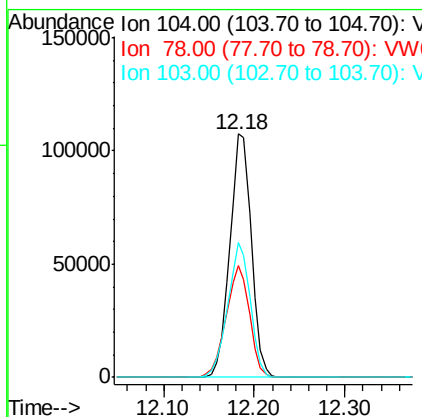
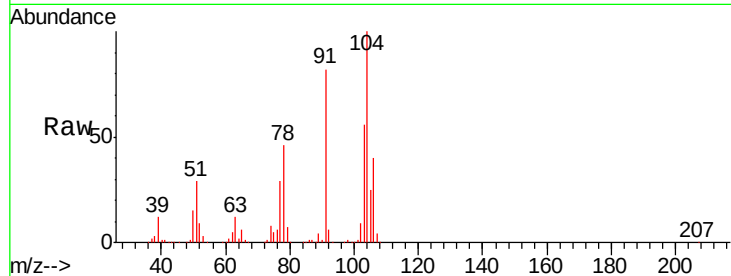
#70
Styrene
Concen: 39.74 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.01 min
Lab File: VW006206.D
Acq: 19 Oct 2018 06:30

Instrument :
MSVOA_W
ClientSampleId :
RLF-SD-5MSD

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	176821		
78	50.0	39.1	58.7	
103	58.0	44.3	66.5	

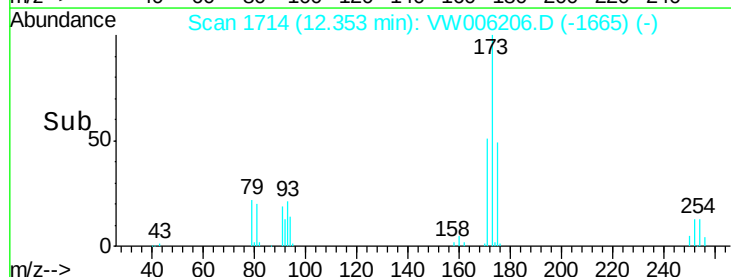
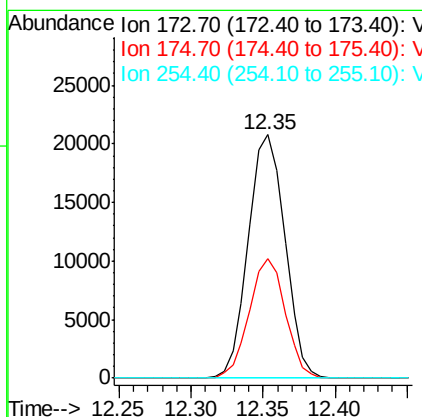
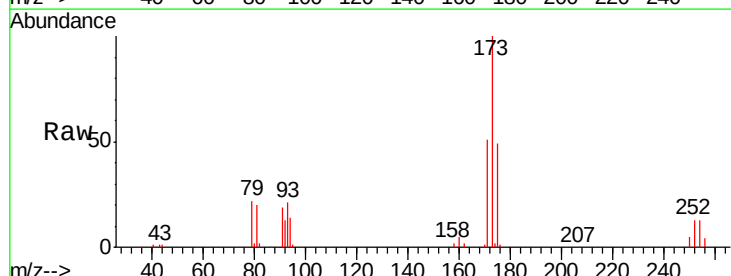
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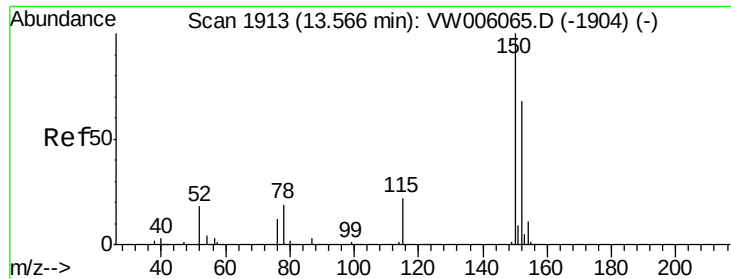
apatel
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#71
Bromoform
Concen: 44.06 ug/l
RT: 12.35 min Scan# 1714
Delta R.T. 0.00 min
Lab File: VW006206.D
Acq: 19 Oct 2018 06:30

Tgt Ion	Ratio	Resp	Lower	Upper
173	100	36612		
175	48.1	24.2	72.6	
254	0.0	0.1	0.1#	





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. 0.00 min

Lab File: VW006206.D

Acq: 19 Oct 2018 06:30

Instrument :

MSVOA_W

ClientSampleId :

RLF-SD-5MSD

Tgt Ion:152 Resp: 65795

Ion Ratio Lower Upper

152 100

115 54.0 27.8 83.3

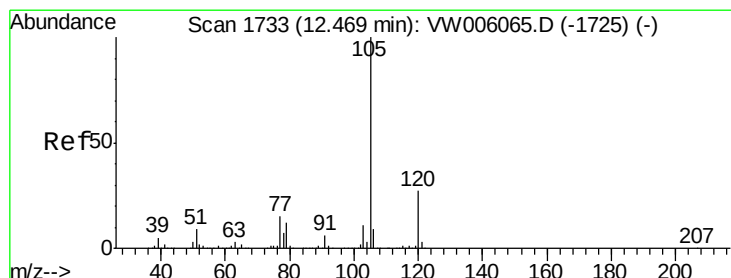
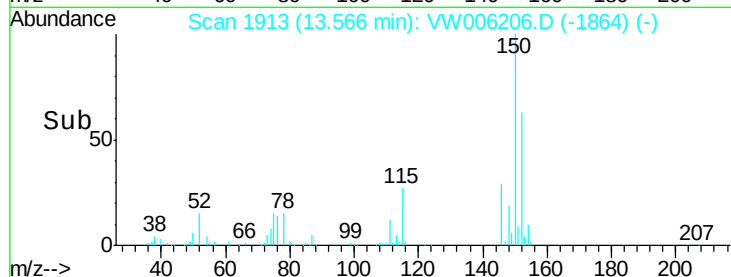
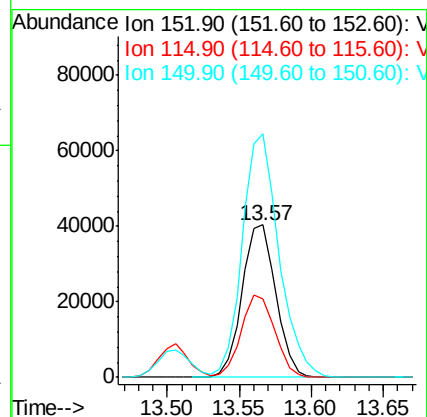
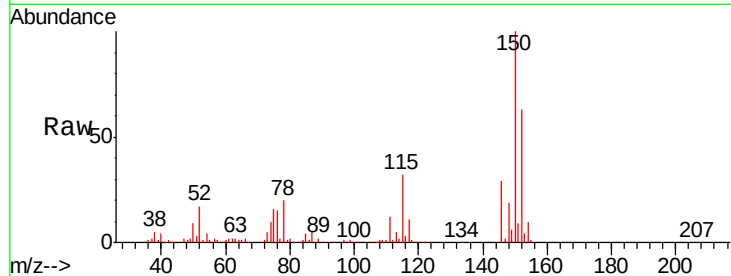
150 172.6 0.0 349.2

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#73

Isopropylbenzene

Concen: 65.77 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW006206.D

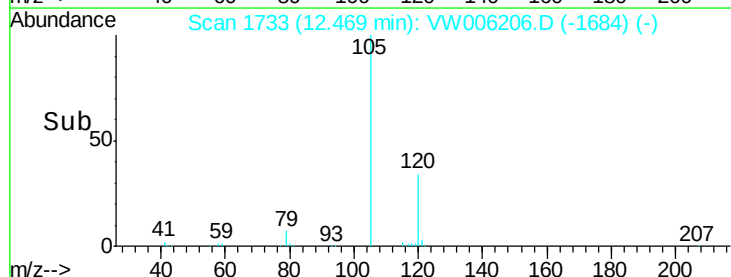
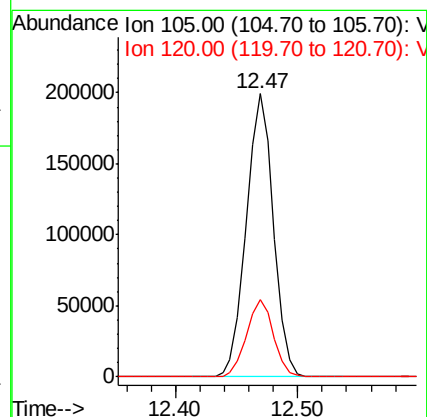
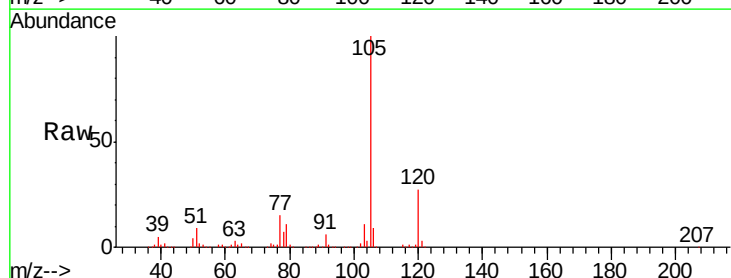
Acq: 19 Oct 2018 06:30

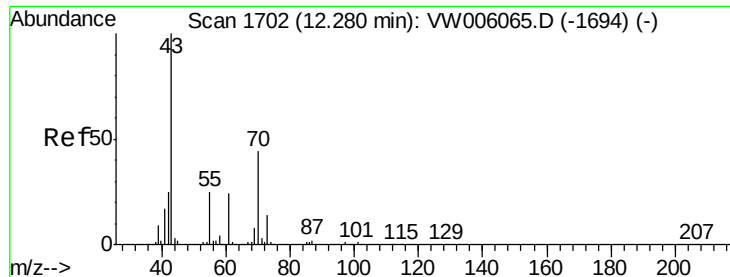
Tgt Ion:105 Resp: 305716

Ion Ratio Lower Upper

105 100

120 27.1 13.6 40.7





#74

N-amyI acetate

Concen: 1.13 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.01 min

Lab File: VW006206.D

Acq: 19 Oct 2018 06:30

Instrument :

MSVOA_W

ClientSampleId :

RLF-SD-5MSD

Tgt Ion: 43 Resp: 1023

Ion Ratio Lower Upper

43 100

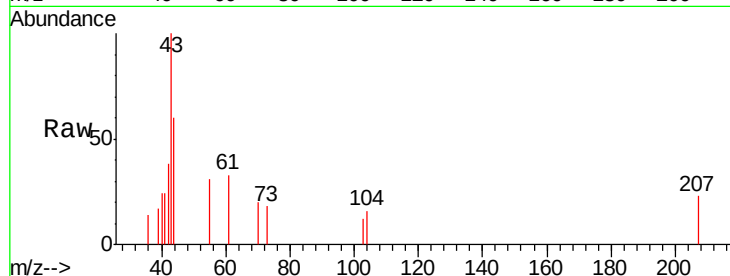
70 25.4 34.2 51.4#

55 16.2 19.2 28.8#

61 17.4 19.0 28.6#

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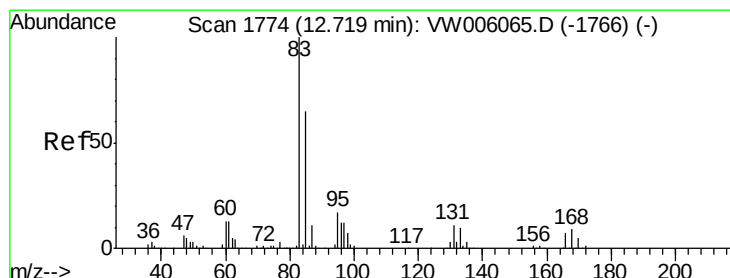
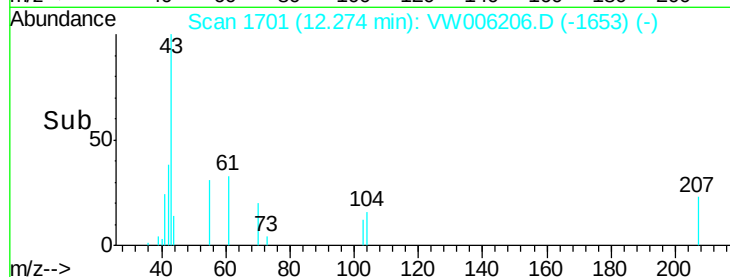
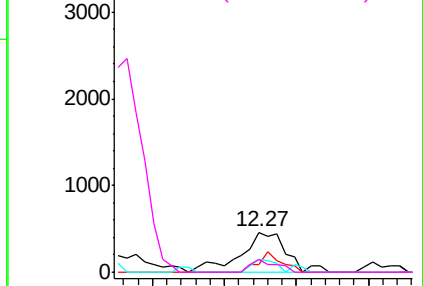


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW



#75

1,1,2,2-Tetrachloroethane

Concen: 100.66 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW006206.D

Acq: 19 Oct 2018 06:30

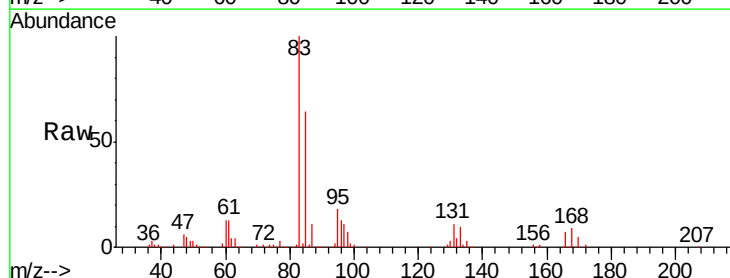
Tgt Ion: 83 Resp: 71161

Ion Ratio Lower Upper

83 100

131 11.7 5.9 17.7

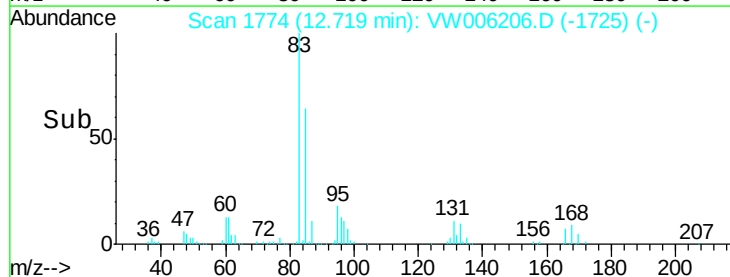
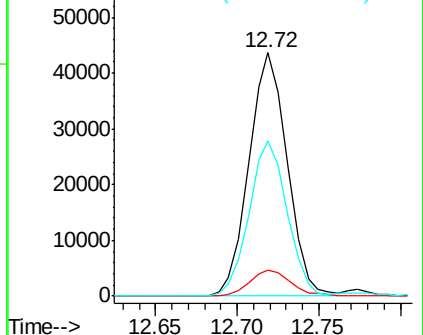
85 63.4 31.9 95.9

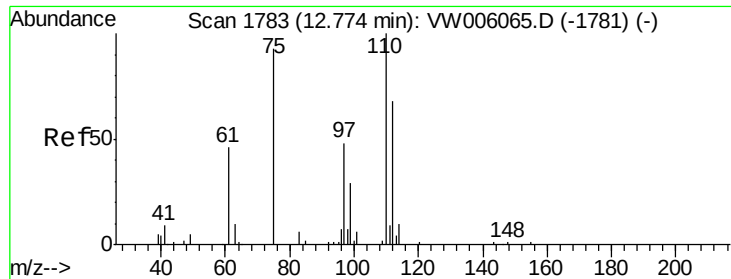


Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW





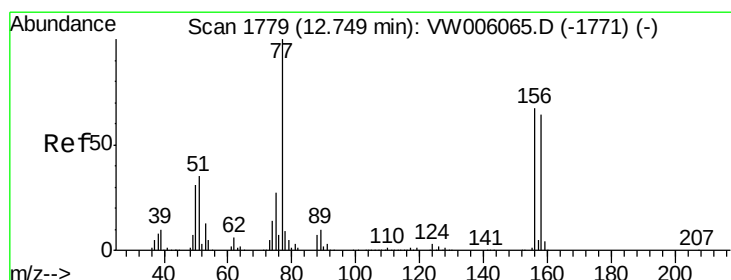
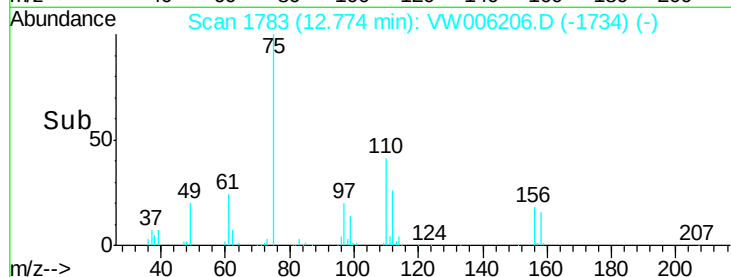
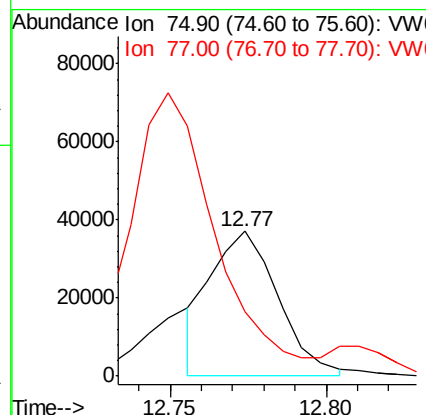
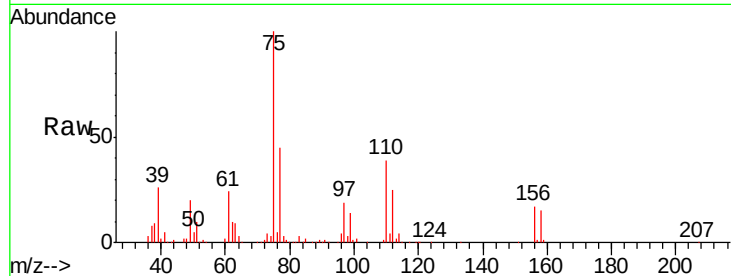
#76
 1,2,3-Trichloropropane
 Concen: 111.03 ug/l m
 RT: 12.77 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VW006206.D
 Acq: 19 Oct 2018 06:30

Instrument :
 MSVOA_W
 ClientSampleId :
 RLF-SD-5MSD

Tgt Ion: 75 Resp: 55795
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0

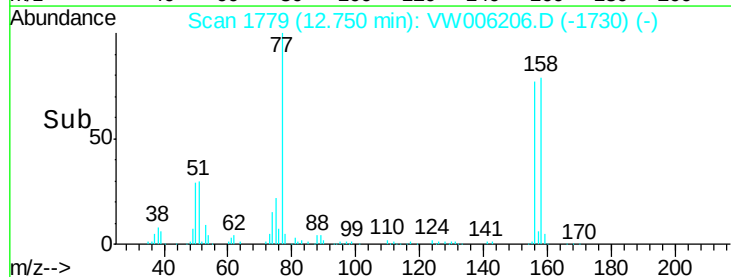
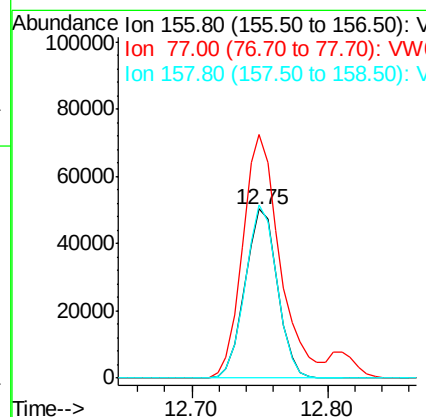
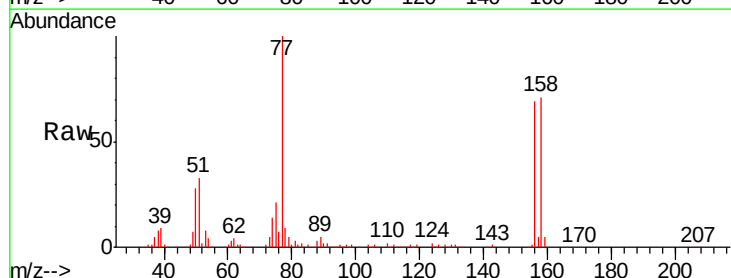
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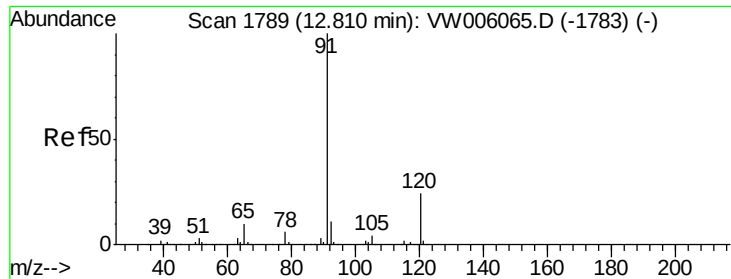
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#77
 Bromobenzene
 Concen: 73.95 ug/l
 RT: 12.75 min Scan# 1779
 Delta R.T. 0.00 min
 Lab File: VW006206.D
 Acq: 19 Oct 2018 06:30

Tgt Ion: 156 Resp: 84194
 Ion Ratio Lower Upper
 156 100
 77 165.4 79.1 237.4
 158 99.7 48.5 145.6





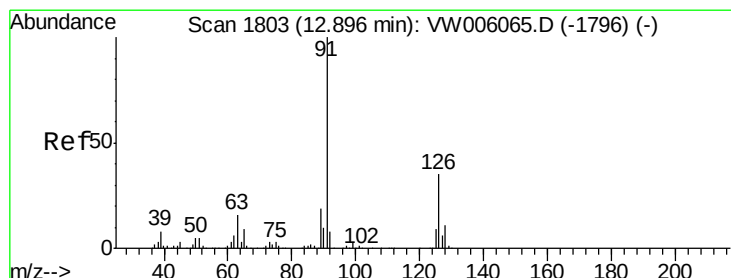
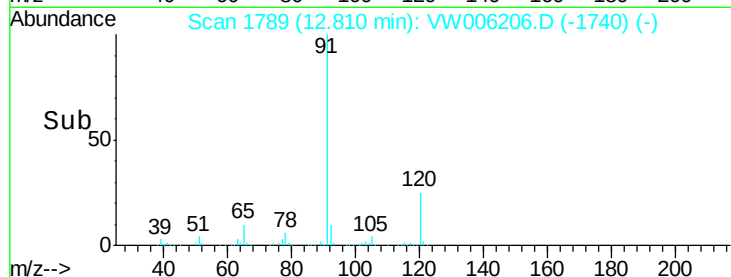
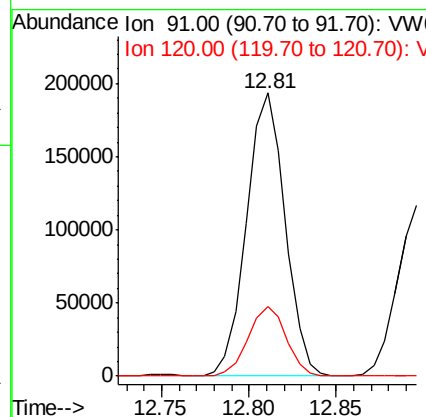
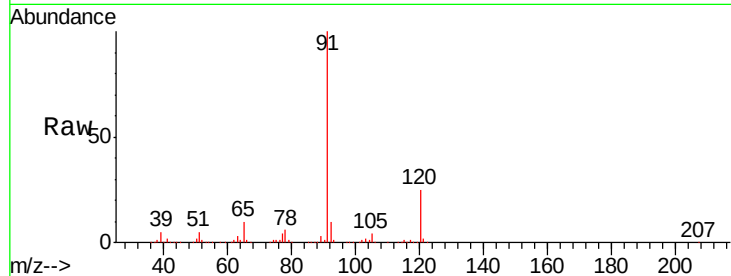
#78
n-propylbenzene
Concen: 54.86 ug/l
RT: 12.81 min Scan# 1789
Delta R.T. 0.00 min
Lab File: VW006206.D
Acq: 19 Oct 2018 06:30

Instrument :
MSVOA_W
ClientSampleId :
RLF-SD-5MSD

Tgt Ion: 91 Resp: 296656
Ion Ratio Lower Upper
91 100
120 24.3 12.2 36.6

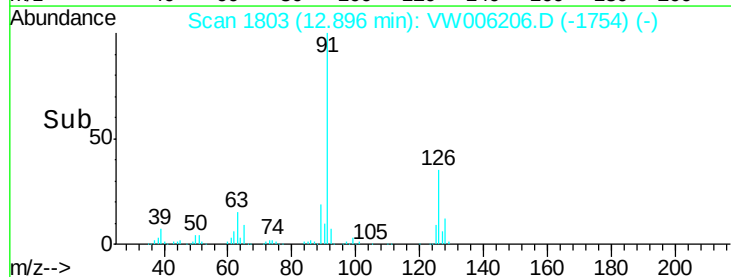
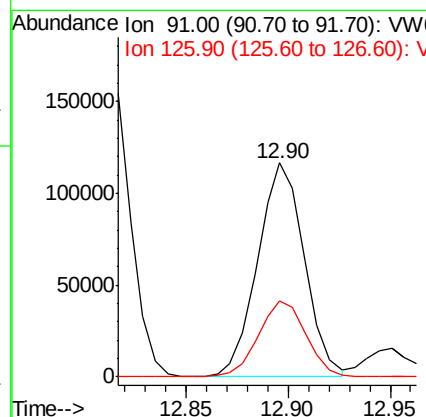
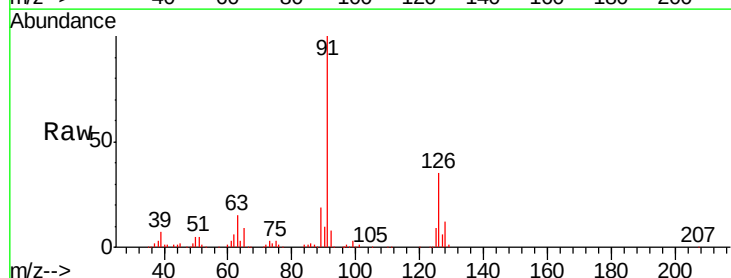
Manual Integrations
APPROVED

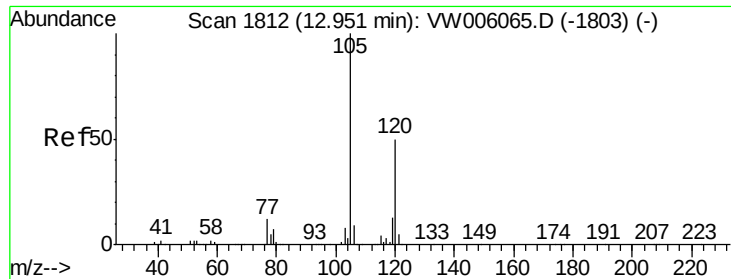
apatel
10/19/2018 12:54:30 PM



#79
2-Chlorotoluene
Concen: 61.16 ug/l
RT: 12.90 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VW006206.D
Acq: 19 Oct 2018 06:30

Tgt Ion: 91 Resp: 185831
Ion Ratio Lower Upper
91 100
126 36.0 17.9 53.8





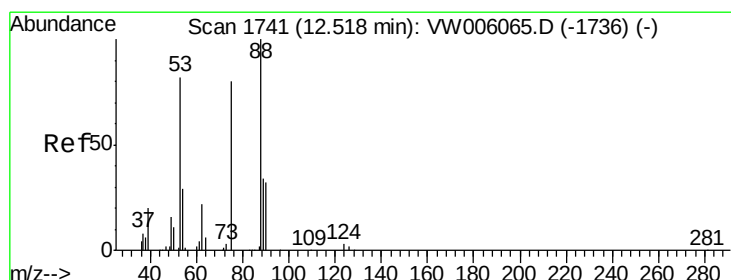
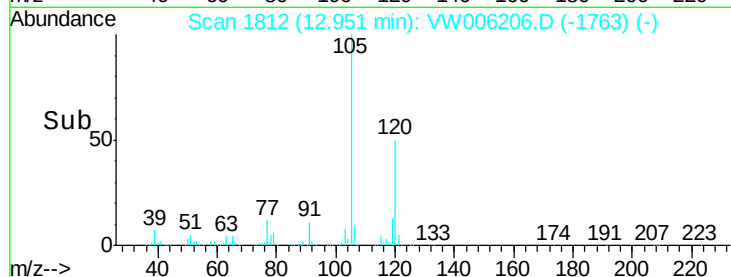
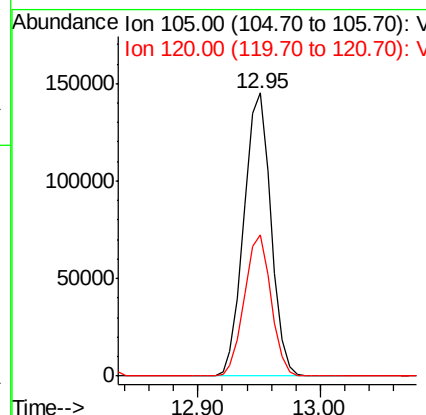
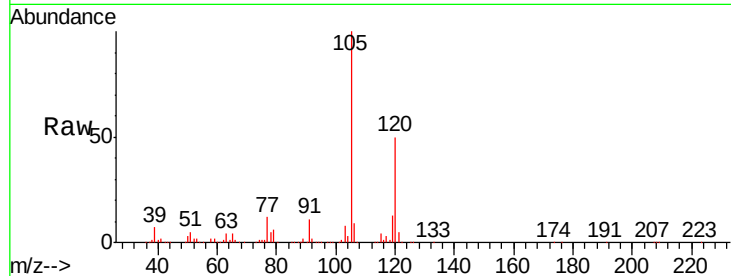
#80
 1,3,5-Trimethylbenzene
 Concen: 56.65 ug/l
 RT: 12.95 min Scan# 1812
 Delta R.T. 0.00 min
 Lab File: VW006206.D
 Acq: 19 Oct 2018 06:30

Instrument :
 MSVOA_W
 ClientSampleId :
 RLF-SD-5MSD

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	221981		
120	49.6	24.9	74.6	

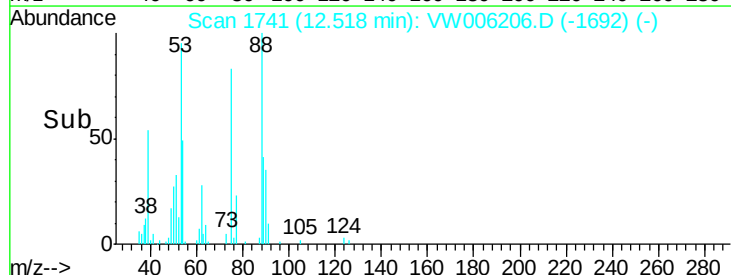
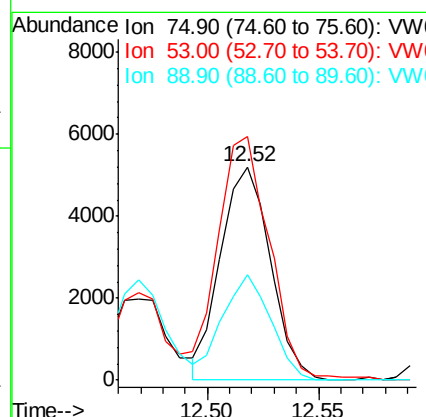
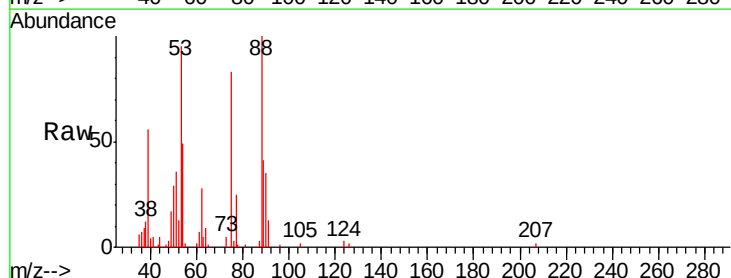
Manual Integrations
 APPROVED

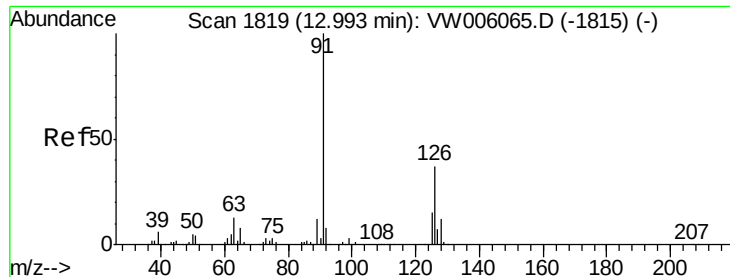
apatel
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#81
 trans-1,4-Dichloro-2-butene
 Concen: 38.49 ug/l
 RT: 12.52 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VW006206.D
 Acq: 19 Oct 2018 06:30

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	8092		
53	120.5	79.8	119.6#	
89	48.2	37.5	56.3	





#82

4-Chlorotoluene

Concen: 58.92 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.00 min

Lab File: VW006206.D

Acq: 19 Oct 2018 06:30

Instrument :

MSVOA_W

ClientSampleId :

RLF-SD-5MSD

Tgt Ion: 91 Resp: 187538

Ion Ratio Lower Upper

91 100

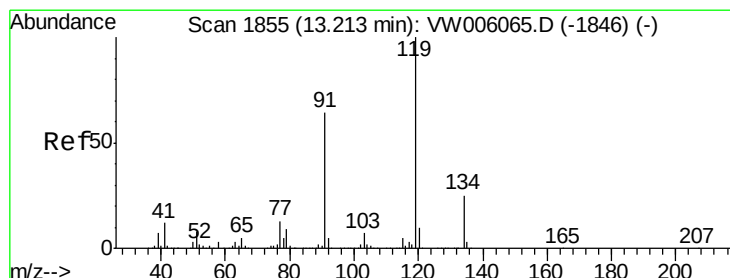
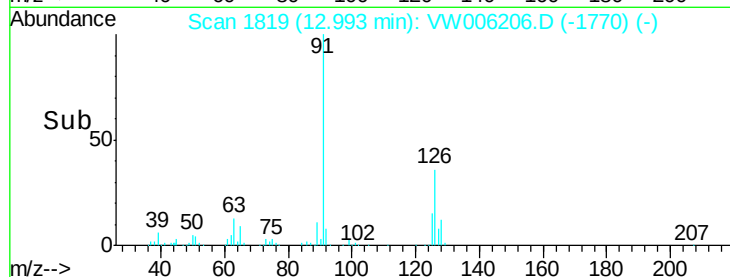
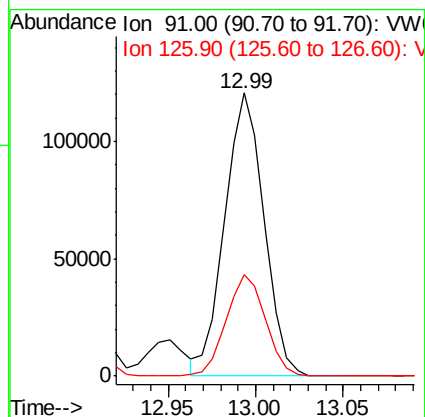
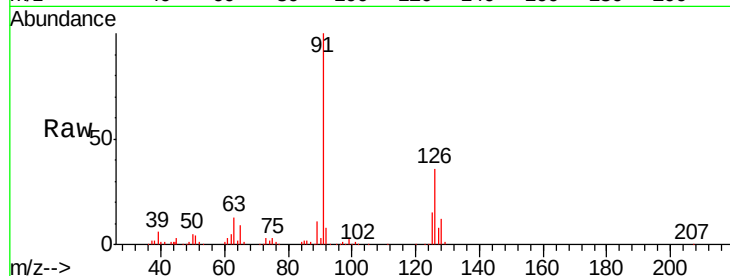
126 35.9 18.1 54.3

Manual Integrations

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#83

tert-Butylbenzene

Concen: 52.87 ug/l

RT: 13.21 min Scan# 1855

Delta R.T. 0.00 min

Lab File: VW006206.D

Acq: 19 Oct 2018 06:30

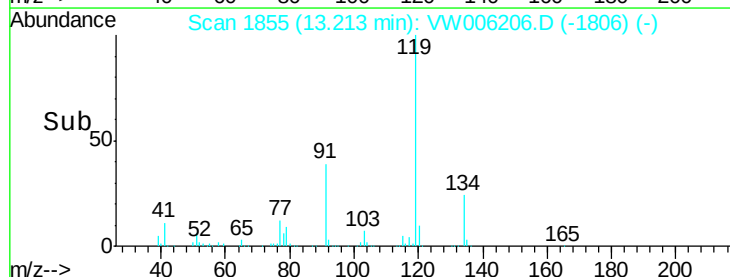
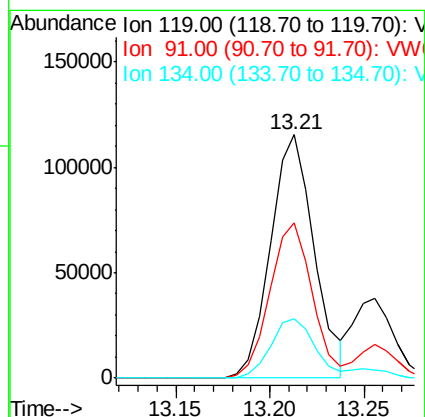
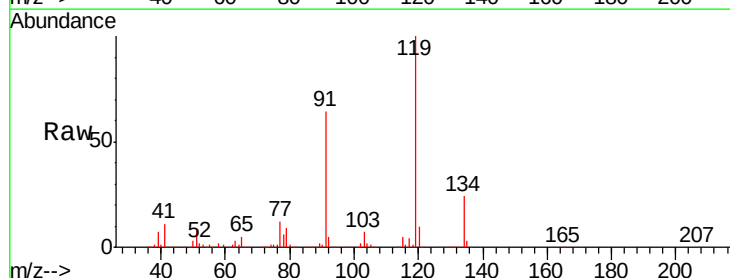
Tgt Ion: 119 Resp: 185360

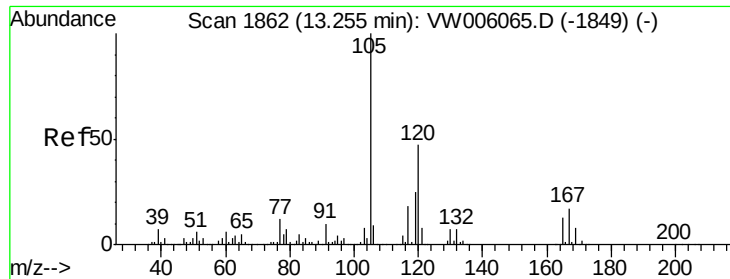
Ion Ratio Lower Upper

119 100

91 62.0 32.3 96.9

134 25.2 13.6 40.8





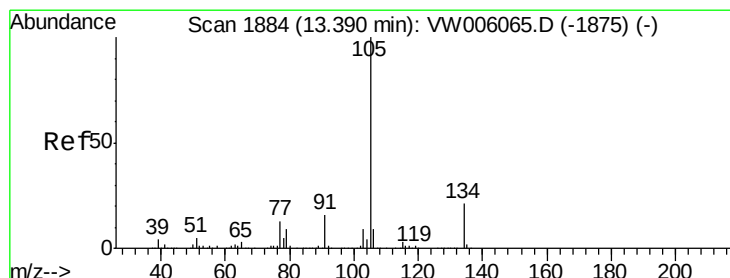
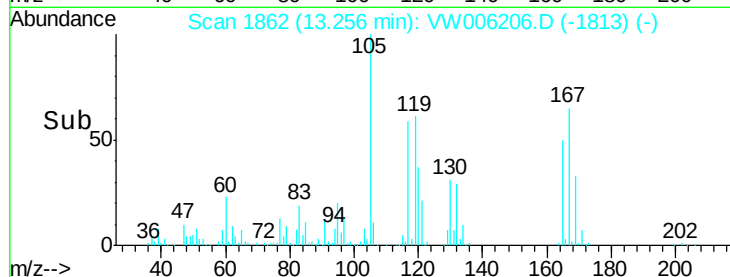
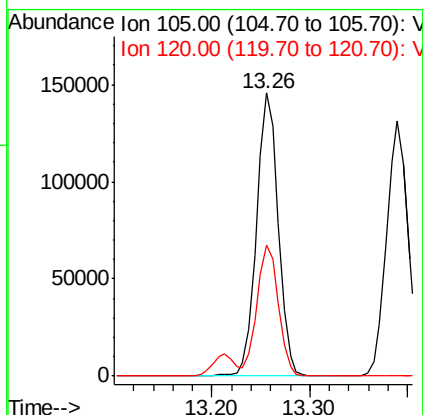
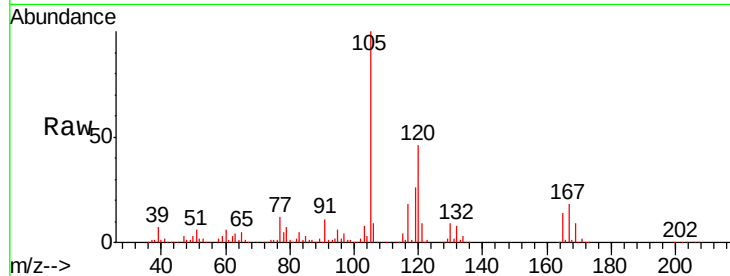
#84
1,2,4-Trimethylbenzene
Concen: 56.44 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW006206.D
Acq: 19 Oct 2018 06:30

Instrument :
MSVOA_W
ClientSampleId :
RLF-SD-5MSD

Tgt Ion:105 Resp: 223811
Ion Ratio Lower Upper
105 100
120 45.8 23.1 69.3

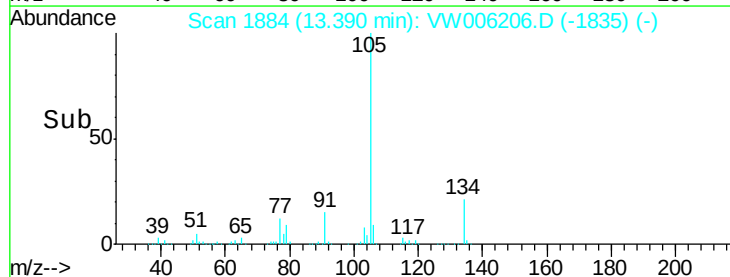
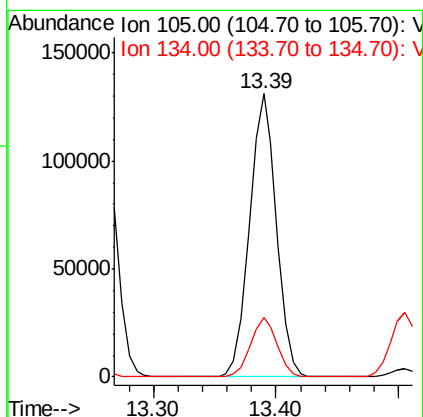
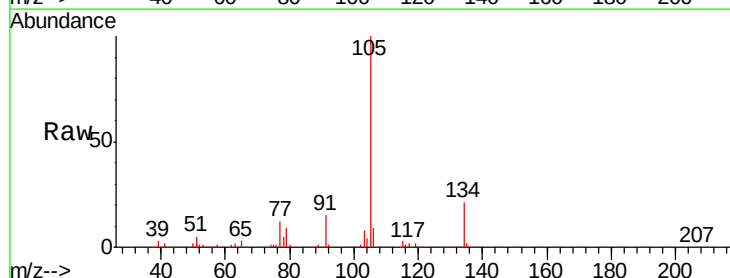
Manual Integrations
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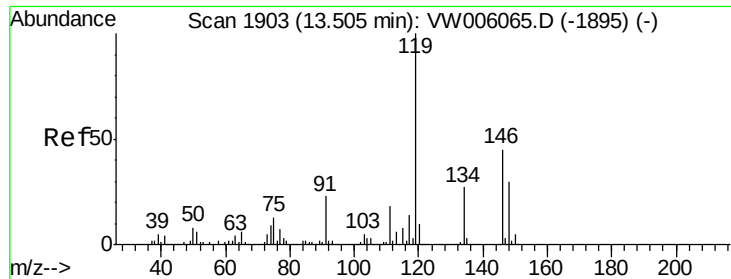
apatel
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#85
sec-Butylbenzene
Concen: 40.34 ug/l
RT: 13.39 min Scan# 1884
Delta R.T. 0.00 min
Lab File: VW006206.D
Acq: 19 Oct 2018 06:30

Tgt Ion:105 Resp: 199819
Ion Ratio Lower Upper
105 100
134 20.6 10.5 31.6





#86

p-Isopropyltoluene

Concen: 36.64 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW006206.D

Acq: 19 Oct 2018 06:30

Instrument :

MSVOA_W

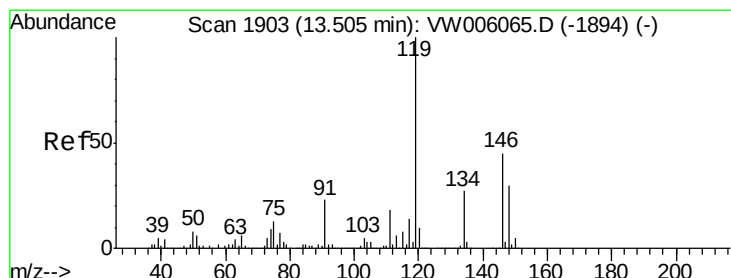
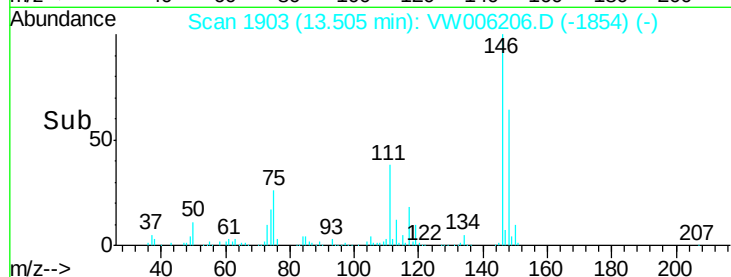
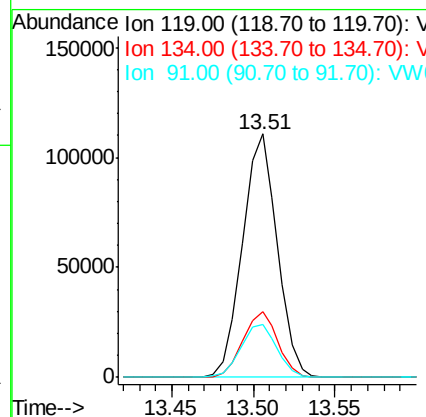
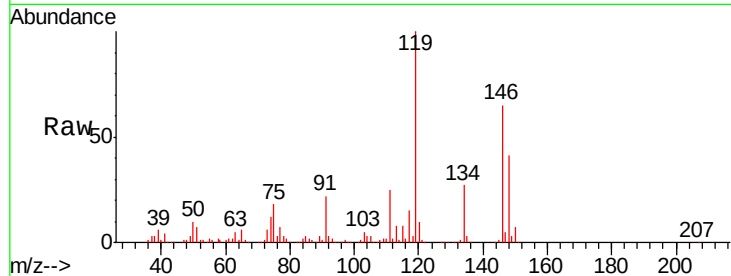
ClientSampleId :

RLF-SD-5MSD

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	164150		
134	27.0	13.4	40.2	
91	22.9	11.4	34.1	

Manual Integrations
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#87

1,3-Dichlorobenzene

Concen: 50.18 ug/l

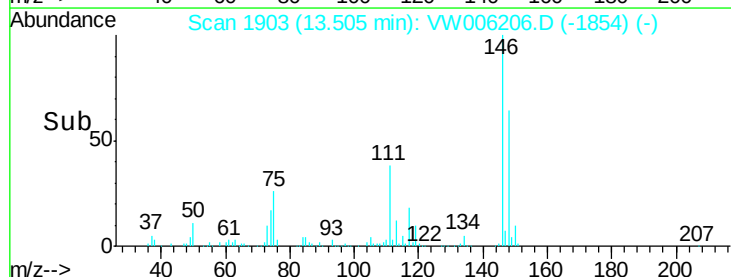
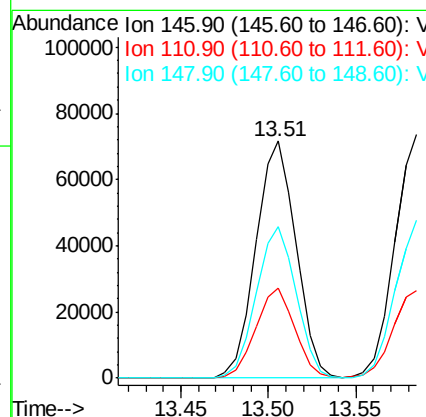
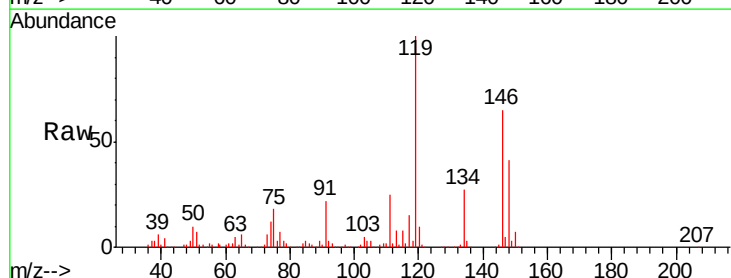
RT: 13.51 min Scan# 1903

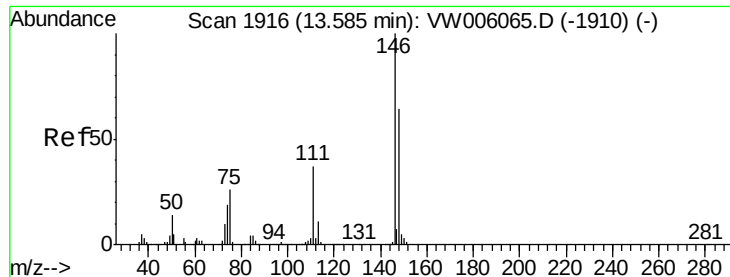
Delta R.T. 0.00 min

Lab File: VW006206.D

Acq: 19 Oct 2018 06:30

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	113704		
111	37.1	19.1	57.5	
148	63.8	32.0	96.2	





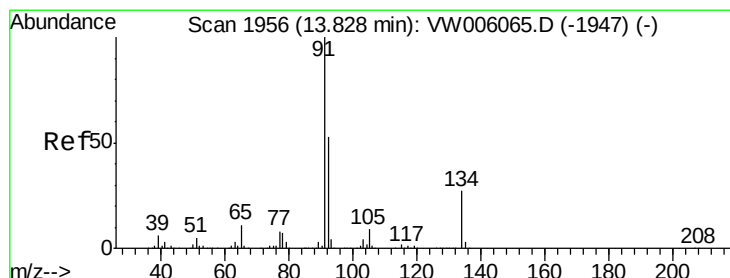
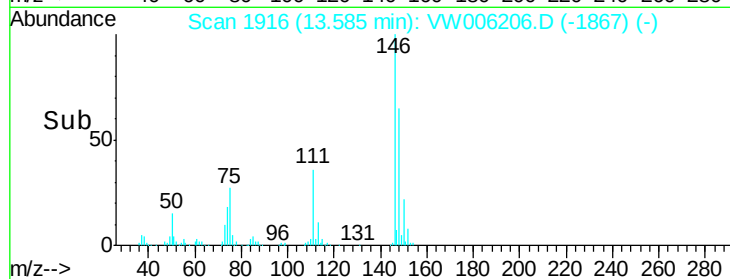
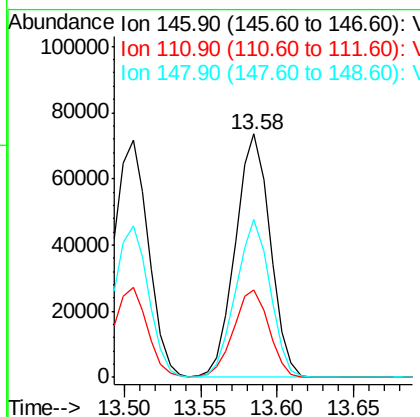
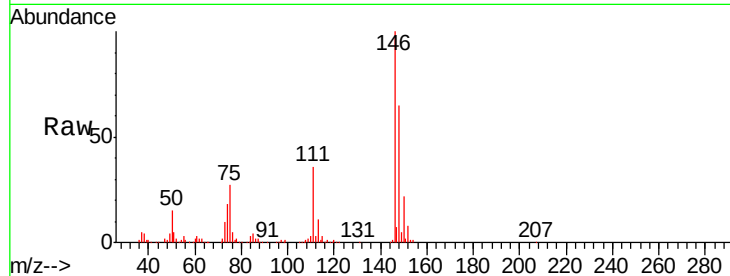
#88
 1,4-Dichlorobenzene
 Concen: 51.58 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW006206.D
 Acq: 19 Oct 2018 06:30

Instrument :
 MSVOA_W
 ClientSampleId :
 RLF-SD-5MSD

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	116373		
111	36.5	18.6	56.0	
148	63.9	32.1	96.5	

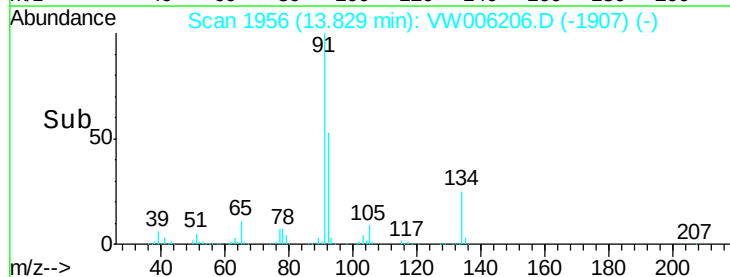
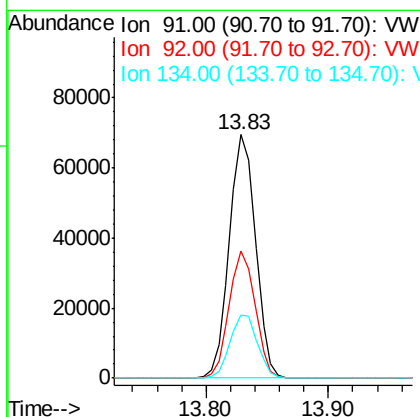
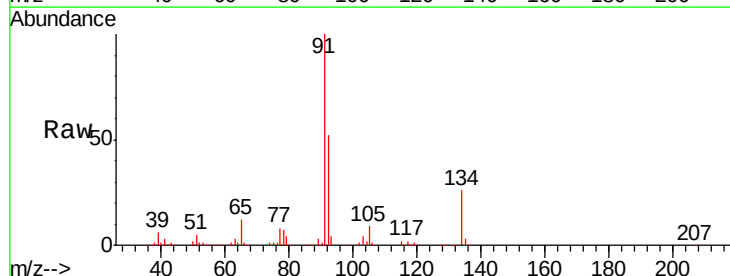
Manual Integrations
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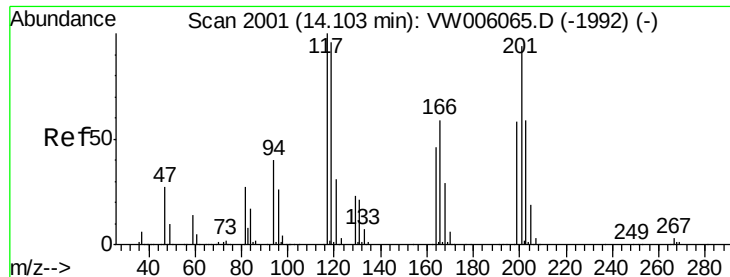
apatel
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#89
 n-Butylbenzene
 Concen: 25.19 ug/l
 RT: 13.83 min Scan# 1956
 Delta R.T. 0.00 min
 Lab File: VW006206.D
 Acq: 19 Oct 2018 06:30

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	103206		
92	51.6	26.6	79.7	
134	26.9	14.0	41.9	





#90

Hexachloroethane

Concen: 30.37 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.01 min

Lab File: VW006206.D

Acq: 19 Oct 2018 06:30

Instrument :

MSVOA_W

ClientSampleId :

RLF-SD-5MSD

Tgt Ion:117 Resp: 23043

Ion Ratio Lower Upper

117 100

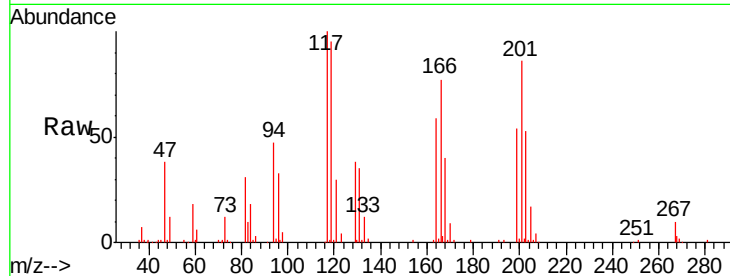
201 93.0 45.3 135.9

Manual Integrations

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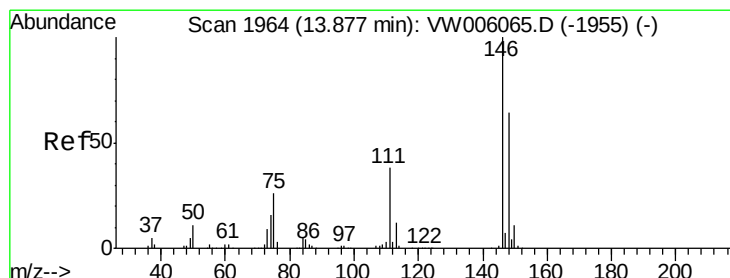
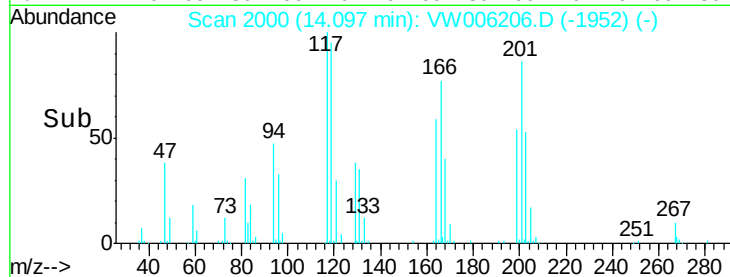
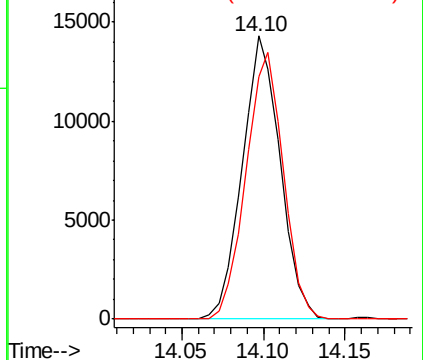
apatel

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Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 51.48 ug/l

RT: 13.88 min Scan# 1964

Delta R.T. 0.00 min

Lab File: VW006206.D

Acq: 19 Oct 2018 06:30

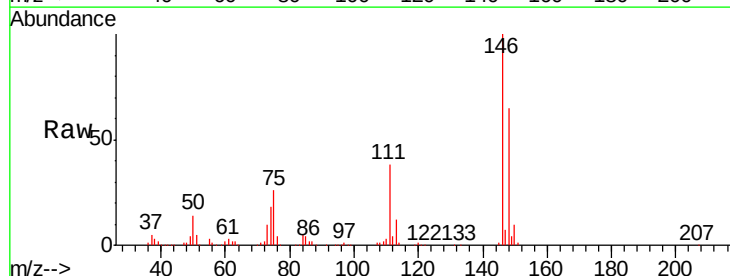
Tgt Ion:146 Resp: 104052

Ion Ratio Lower Upper

146 100

111 38.4 19.6 58.7

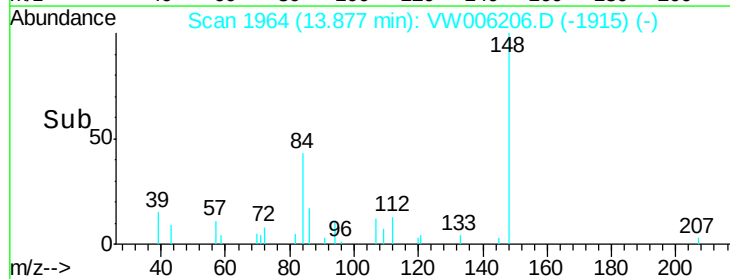
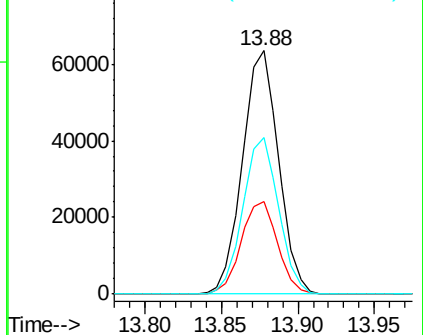
148 63.7 32.2 96.6

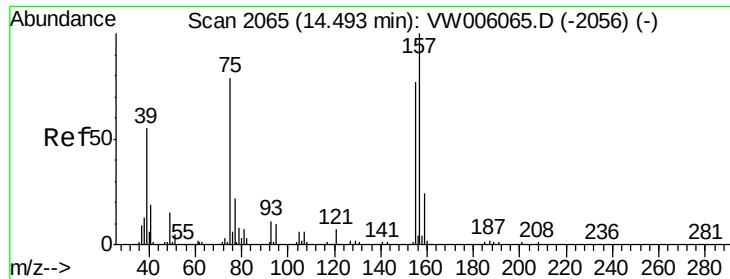


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





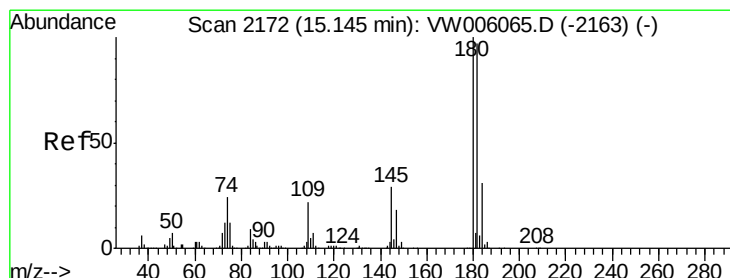
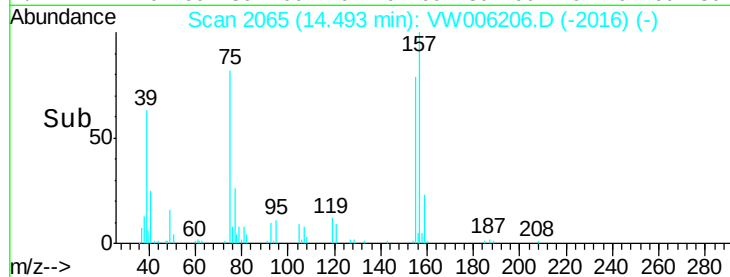
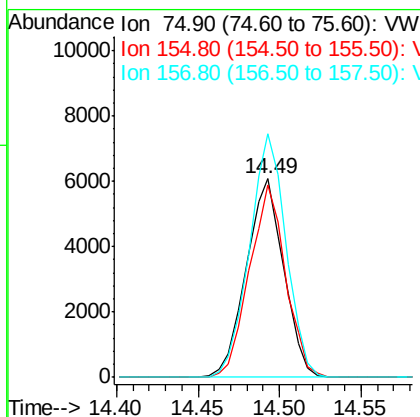
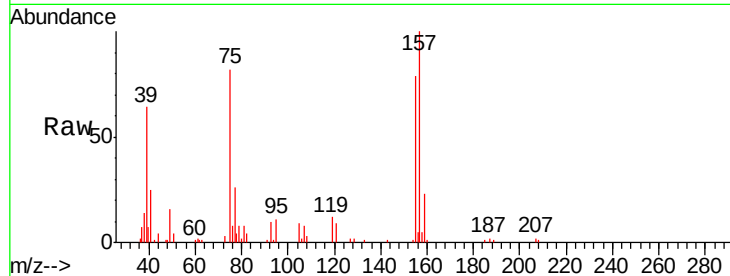
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 76.90 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. 0.00 min
 Lab File: VW006206.D
 Acq: 19 Oct 2018 06:30

Instrument :
 MSVOA_W
 ClientSampleId :
 RLF-SD-5MSD

Tgt Ion: 75 Resp: 9734
 Ion Ratio Lower Upper
 75 100
 155 93.4 46.5 139.5
 157 119.5 59.8 179.4

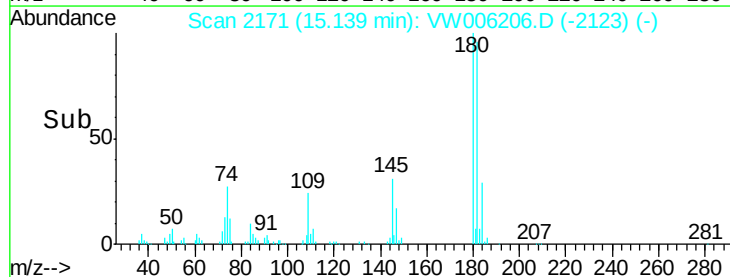
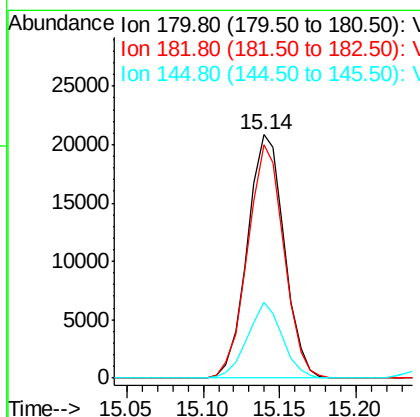
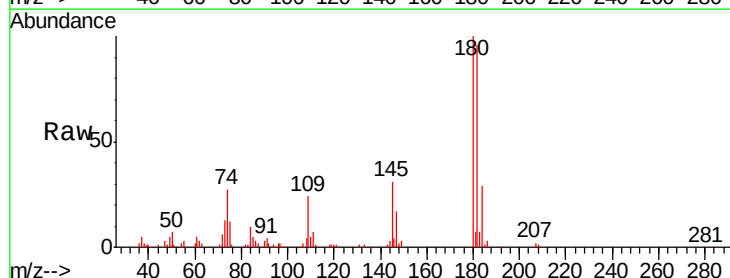
Manual Integrations
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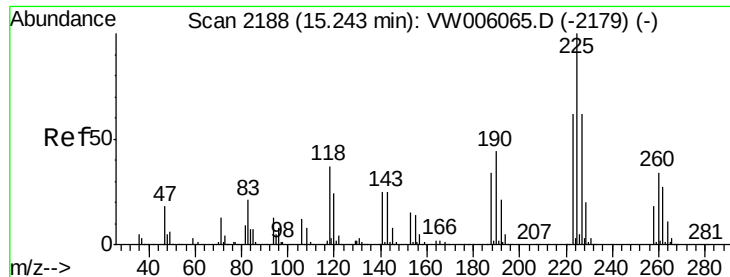
apatel
 10/19/2018 12:54:30 PM



#93
 1,2,4-Trichlorobenzene
 Concen: 22.45 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.01 min
 Lab File: VW006206.D
 Acq: 19 Oct 2018 06:30

Tgt Ion: 180 Resp: 34907
 Ion Ratio Lower Upper
 180 100
 182 94.6 47.9 143.6
 145 29.5 14.2 42.8





#94

Hexachlorobutadiene

Concen: 13.40 ug/l

RT: 15.24 min Scan# 2188

Delta R.T. 0.00 min

Lab File: VW006206.D

Acq: 19 Oct 2018 06:30

Instrument :

MSVOA_W

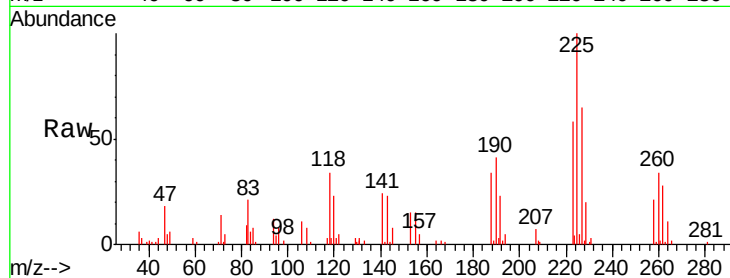
ClientSampleId :

RLF-SD-5MSD

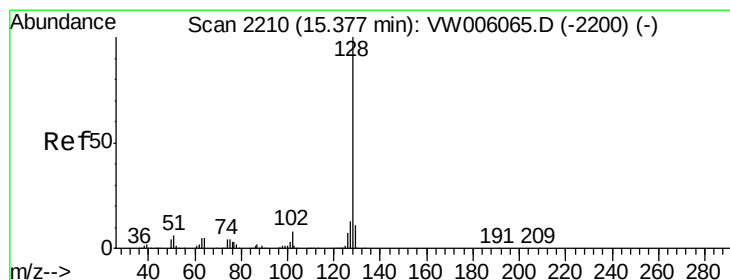
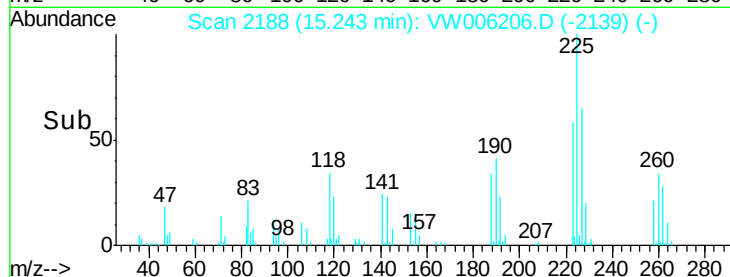
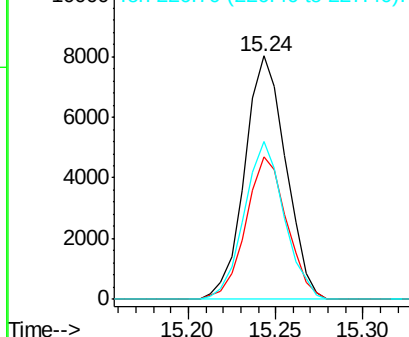
Tgt Ion:	225	Resp:	13086
Ion Ratio	Lower	Upper	
225	100		
223	58.4	31.1	93.5
227	62.7	32.4	97.0

Manual Integrations
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Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 37.22 ug/l

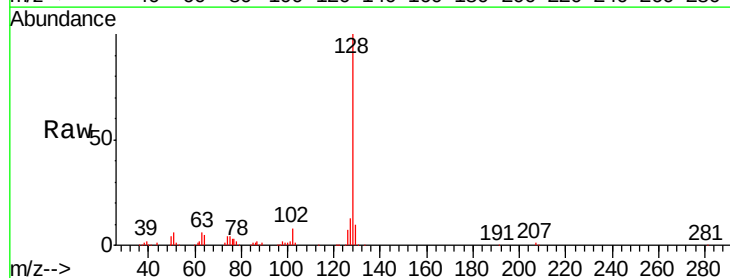
RT: 15.38 min Scan# 2210

Delta R.T. 0.00 min

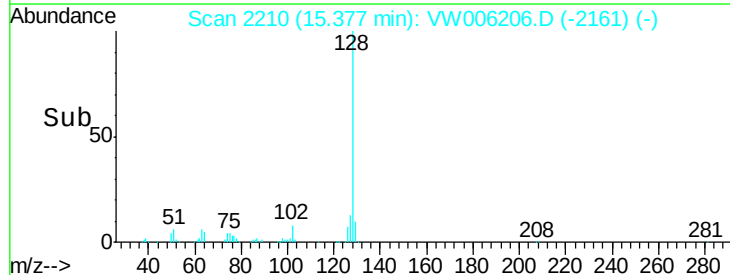
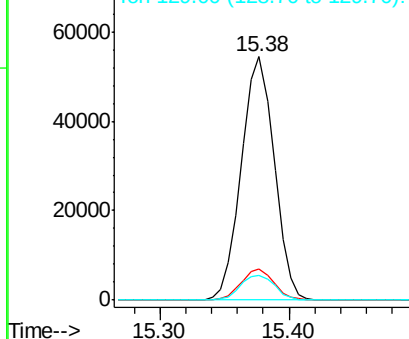
Lab File: VW006206.D

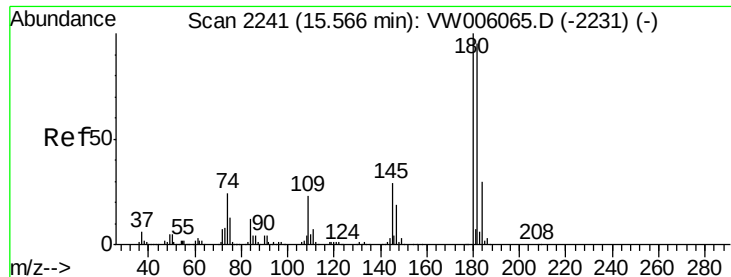
Acq: 19 Oct 2018 06:30

Tgt Ion:	128	Resp:	96294
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.3	15.5
129	10.6	8.7	13.1



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V





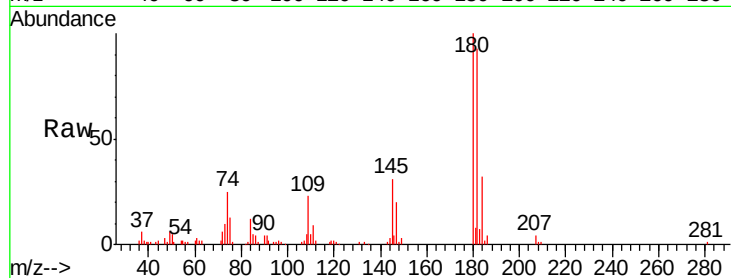
#96
 1,2,3-Trichlorobenzene
 Concen: 21.45 ug/l
 RT: 15.57 min Scan# 2241
 Delta R.T. 0.00 min
 Lab File: VW006206.D
 Acq: 19 Oct 2018 06:30

Instrument :
 MSVOA_W
 ClientSampleId :
 RLF-SD-5MSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	93.1	47.8	143.3
145	30.5	15.0	45.1

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Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

