

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW111218\
 Data File : VW006819.D
 Acq On : 12 Nov 2018 20:47
 Operator : SY/AP
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
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 11/13/2018 3:56:00 PM

Quant Time: Nov 13 13:45:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W111218S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 12 14:58:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	310021	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	414877	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	412481	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	242234	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	103512	45.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.34%	
35) Dibromofluoromethane	7.89	113	109348	44.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.52%	
50) Toluene-d8	10.33	98	469735	45.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.74%	
62) 4-Bromofluorobenzene	12.62	95	178430	47.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.62%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.00	85	118719	46.385	ug/l	100
3) Chloromethane	2.21	50	142196	49.281	ug/l	99
4) Vinyl Chloride	2.36	62	150995	48.750	ug/l	100
5) Bromomethane	2.78	94	109985	52.782	ug/l	99
6) Chloroethane	2.92	64	95969	48.017	ug/l	99
7) Trichlorofluoromethane	3.26	101	189162	46.267	ug/l	97
8) Diethyl Ether	3.69	74	58972	49.155	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.07	101	121615	43.868	ug/l	100
10) Methyl Iodide	4.28	142	192566	49.561	ug/l	99
11) Tert butyl alcohol	5.21	59	39411	264.916	ug/l	98
12) 1,1-Dichloroethene	4.04	96	108954	46.528	ug/l	98
13) Acrolein	3.90	56	35514	228.250	ug/l	99
14) Allyl chloride	4.68	41	148384	48.177	ug/l	100
15) Acrylonitrile	5.38	53	119157	262.260	ug/l	99
16) Acetone	4.14	43	86696	266.365	ug/l	99
17) Carbon Disulfide	4.39	76	362300	48.922	ug/l	99
18) Methyl Acetate	4.68	43	55688	50.018	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	288818	51.950	ug/l	100
20) Methylene Chloride	4.92	84	149436	50.483	ug/l	98
21) trans-1,2-Dichloroethene	5.43	96	128402	46.494	ug/l	98
22) Diisopropyl ether	6.32	45	325016	50.811	ug/l	98
23) Vinyl Acetate	6.26	43	937335	259.938	ug/l	99
24) 1,1-Dichloroethane	6.23	63	202055	47.629	ug/l	100
25) 2-Butanone	7.18	43	142087	258.134	ug/l	97
26) 2,2-Dichloropropane	7.18	77	184917	43.322	ug/l	100
27) cis-1,2-Dichloroethene	7.18	96	142520	48.405	ug/l	99
28) Bromochloromethane	7.51	49	74333	50.093	ug/l	98
29) Tetrahydrofuran	7.54	42	90991	258.308	ug/l	99
30) Chloroform	7.68	83	222433	48.021	ug/l	100
31) Cyclohexane	7.96	56	195709	45.068	ug/l	100
32) 1,1,1-Trichloroethane	7.88	97	206813	46.256	ug/l	99
36) 1,1-Dichloropropene	8.09	75	183319	47.217	ug/l	99
37) Ethyl Acetate	7.26	43	66071	52.043	ug/l	99
38) Carbon Tetrachloride	8.07	117	191711	45.432	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	237148	47.081	ug/l	98
40) Benzene	8.33	78	523077	48.452	ug/l	99
41) Methacrylonitrile	7.49	41	36141	46.364	ug/l #	90
42) 1,2-Dichloroethane	8.40	62	140528	48.585	ug/l	100
43) Isopropyl Acetate	8.43	43	128083	51.875	ug/l	99
44) Trichloroethene	9.10	130	160828	47.213	ug/l	99
45) 1,2-Dichloropropane	9.37	63	123494	49.081	ug/l	98
46) Dibromomethane	9.46	93	69323	49.496	ug/l	99
47) Bromodichloromethane	9.65	83	166686	47.981	ug/l	100
48) Methyl methacrylate	9.44	41	61301	50.640	ug/l	99
49) 1,4-Dioxane	9.47	88	22818	1078.334	ug/l #	99
51) 4-Methyl-2-Pentanone	10.21	43	330199	266.709	ug/l	99
52) Toluene	10.39	92	384116	50.188	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	170621	49.889	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	202181	49.855	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	103867	49.976	ug/l	97
56) Ethyl methacrylate	10.65	69	125252	54.990	ug/l	97
57) 1,3-Dichloropropane	10.93	76	165621	50.319	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	276210	242.124	ug/l	99
59) 2-Hexanone	10.98	43	235161	275.377	ug/l	100
60) Dibromochloromethane	11.13	129	129548	50.940	ug/l	100
61) 1,2-Dibromoethane	11.24	107	100635	50.984	ug/l	99
64) Tetrachloroethene	10.87	164	159286	48.188	ug/l	98
65) Chlorobenzene	11.66	112	446625	48.807	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	141645	47.703	ug/l	100
67) Ethyl Benzene	11.74	91	764751	49.022	ug/l	99
68) m/p-Xylenes	11.84	106	623006	97.606	ug/l	100
69) o-Xylene	12.17	106	292464	49.233	ug/l	98
70) Styrene	12.19	104	482724	50.770	ug/l	99
71) Bromoform	12.35	173	81154	50.080	ug/l #	100
73) Isopropylbenzene	12.47	105	801471	47.666	ug/l	99
74) N-amyl acetate	12.28	43	132719	52.203	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	116397	50.042	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	90926m	52.086	ug/l	
77) Bromobenzene	12.75	156	204686	48.284	ug/l	100
78) n-propylbenzene	12.81	91	938878	47.311	ug/l	100
79) 2-Chlorotoluene	12.90	91	528512	47.469	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	690689	47.783	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	34681	49.141	ug/l	98
82) 4-Chlorotoluene	12.99	91	563810	47.461	ug/l	100
83) tert-Butylbenzene	13.21	119	608405	47.617	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	710634	48.309	ug/l	99
85) sec-Butylbenzene	13.39	105	852264	47.072	ug/l	99
86) p-Isopropyltoluene	13.51	119	788803	47.897	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	413621	47.874	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	407754	47.702	ug/l	99
89) n-Butylbenzene	13.83	91	712204	47.321	ug/l	100
90) Hexachloroethane	14.10	117	125144	47.490	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	362835	48.223	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	19278	51.769	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	273361	48.121	ug/l	99
94) Hexachlorobutadiene	15.24	225	168633	46.848	ug/l	100
95) Naphthalene	15.38	128	437892	51.541	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	237243	48.666	ug/l	99

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

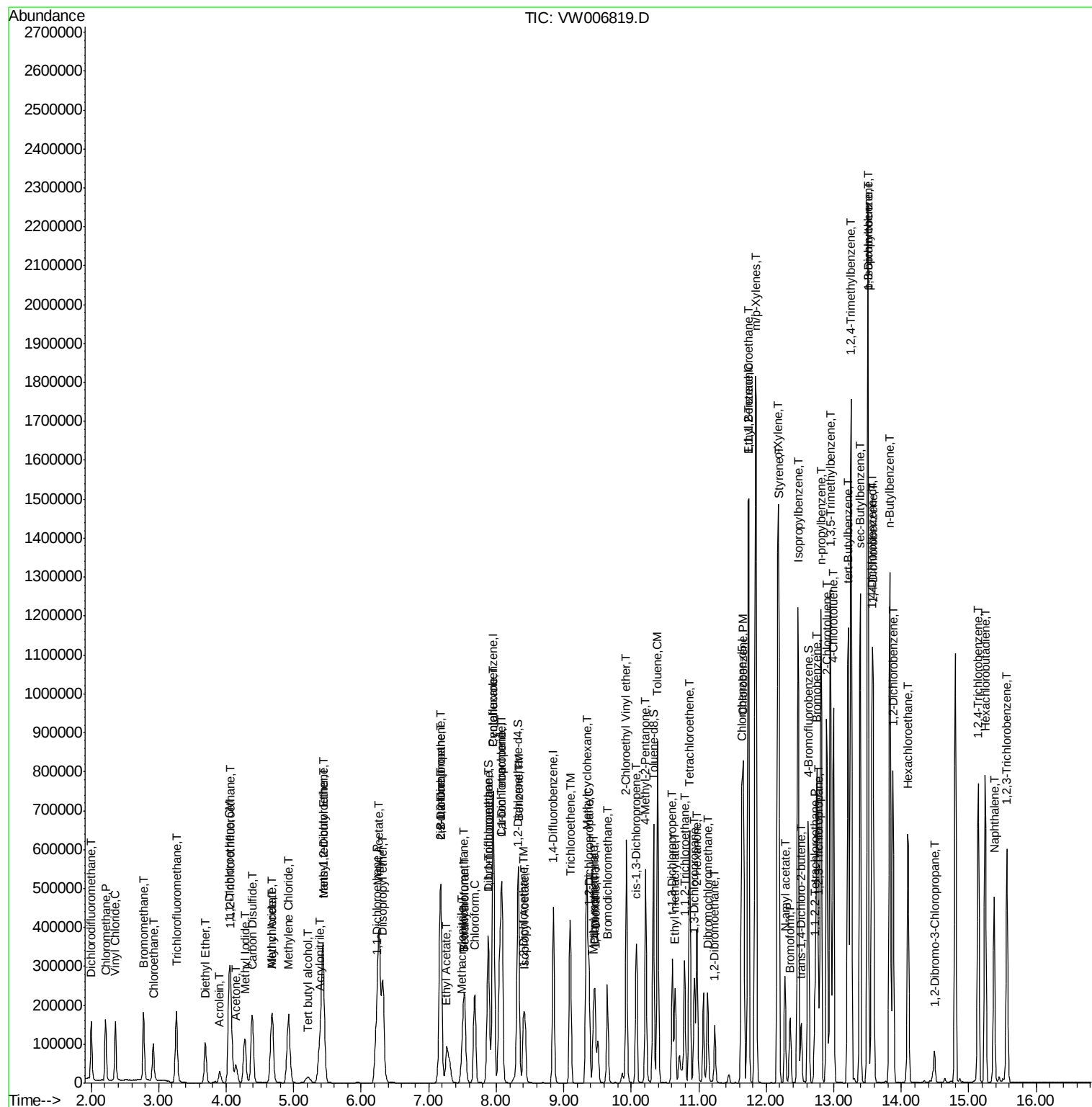
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Data File : VW006819.D
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Operator : SY/AP
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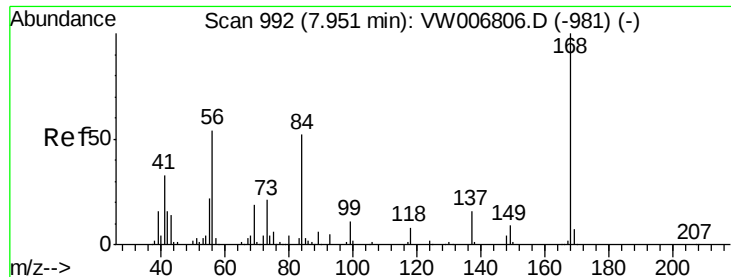
Instrument :
MSVOA_W
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW006819.D

Acq: 12 Nov 2018 20:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tgt Ion:168 Resp: 310021

Ion Ratio Lower Upper

168 100

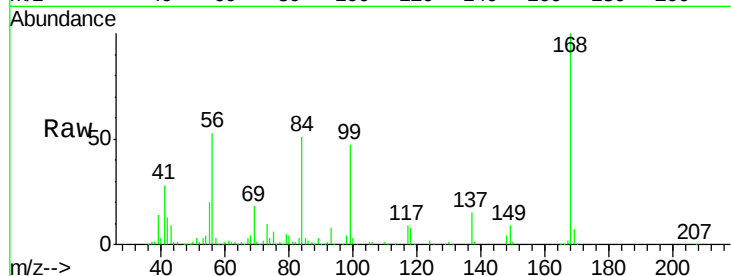
99 47.1 37.3 55.9

Manual Integrations

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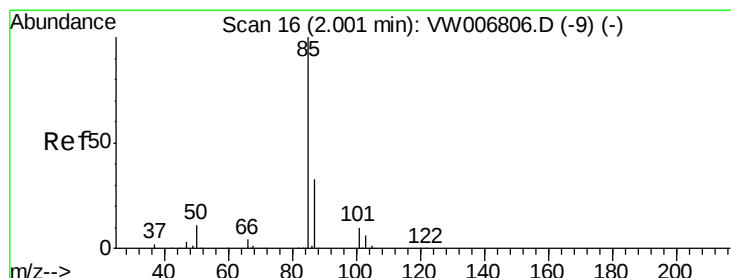
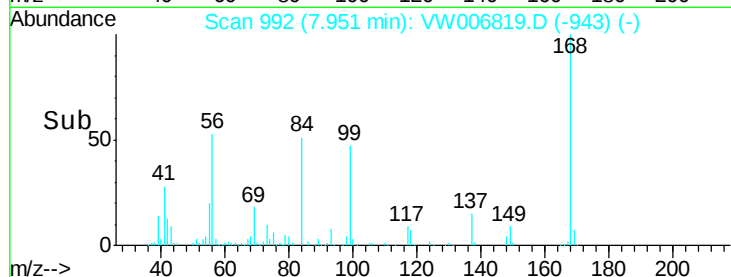
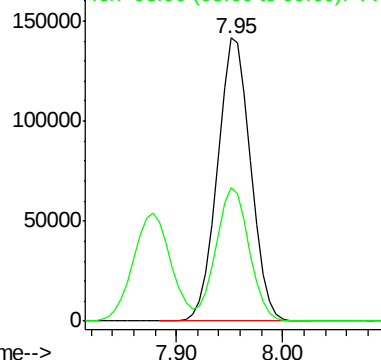
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 46.385 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.00 min

Lab File: VW006819.D

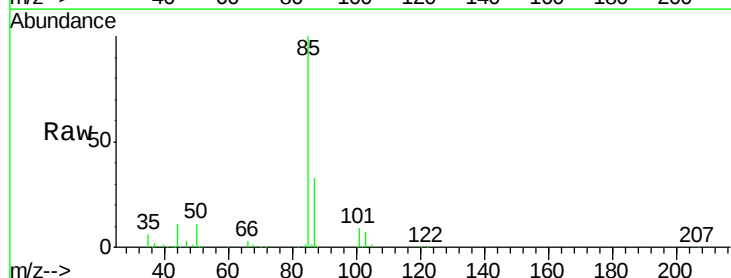
Acq: 12 Nov 2018 20:47

Tgt Ion: 85 Resp: 118719

Ion Ratio Lower Upper

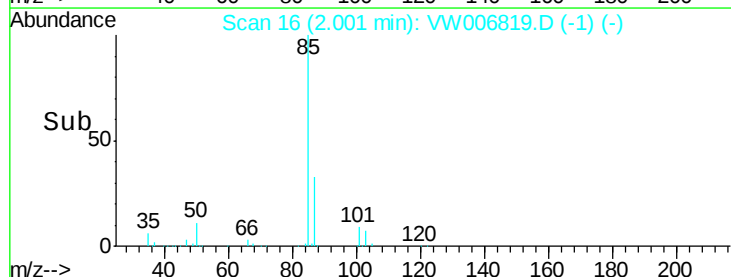
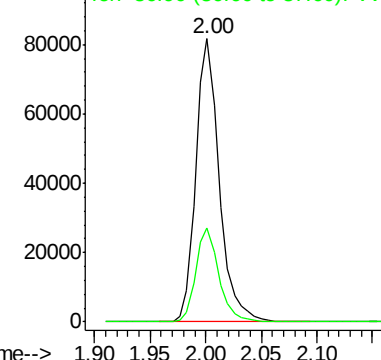
85 100

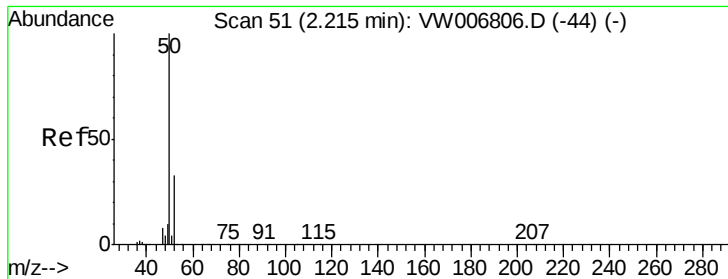
87 33.1 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 49.281 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW006819.D

Acq: 12 Nov 2018 20:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 50 Resp: 142196

Ion Ratio Lower Upper

50 100

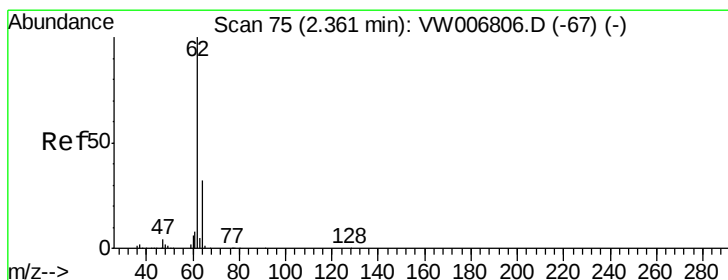
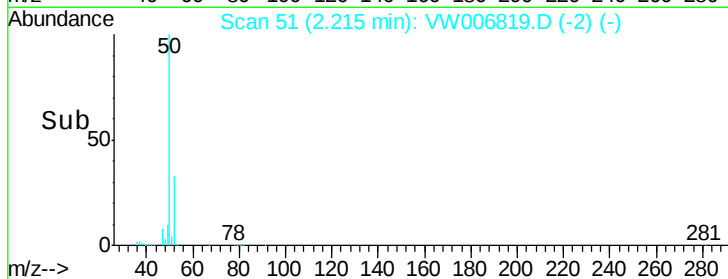
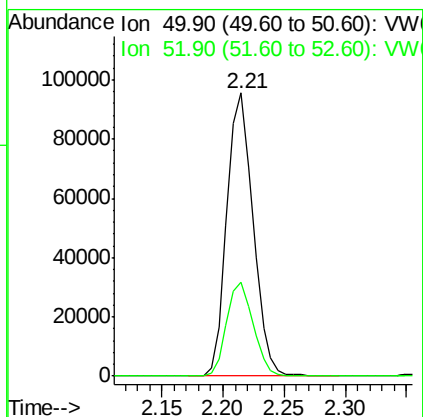
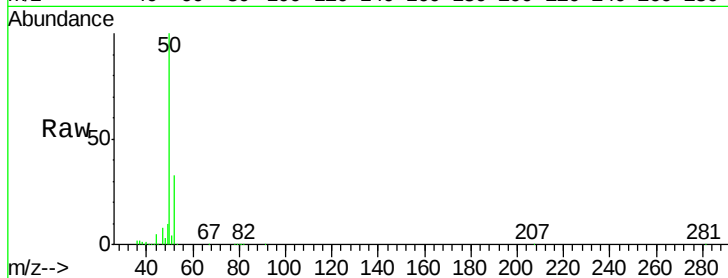
52 33.1 26.2 39.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 48.750 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW006819.D

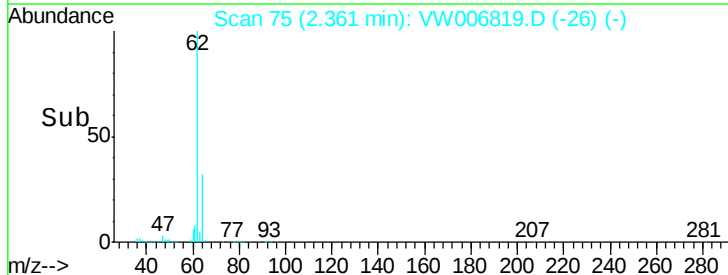
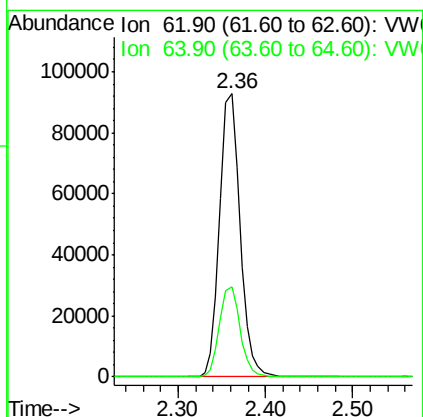
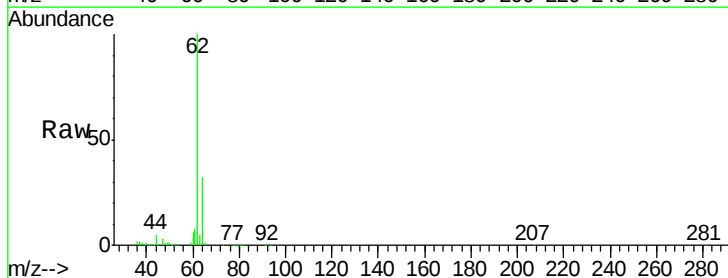
Acq: 12 Nov 2018 20:47

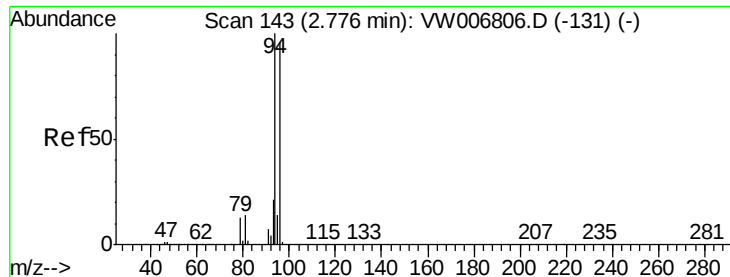
Tgt Ion: 62 Resp: 150995

Ion Ratio Lower Upper

62 100

64 32.0 25.6 38.4





#5

Bromomethane

Concen: 52.782 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW006819.D

Acq: 12 Nov 2018 20:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 94 Resp: 109985

Ion Ratio Lower Upper

94 100

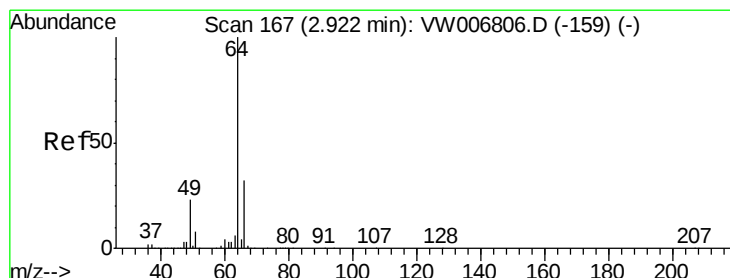
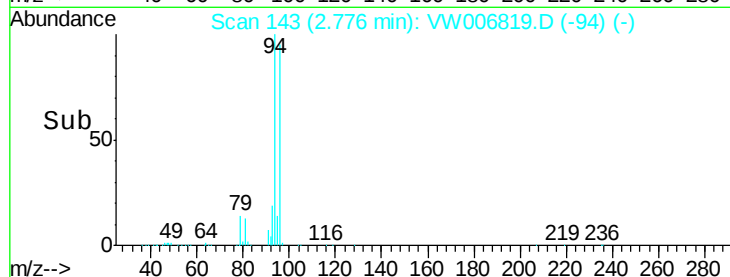
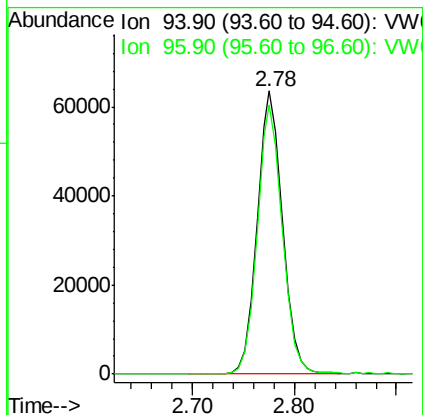
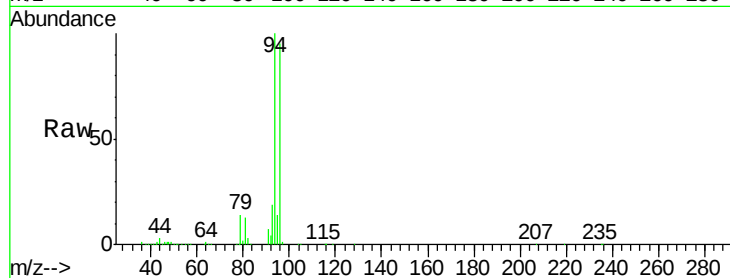
96 95.1 76.8 115.2

Manual Integrations

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#6

Chloroethane

Concen: 48.017 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW006819.D

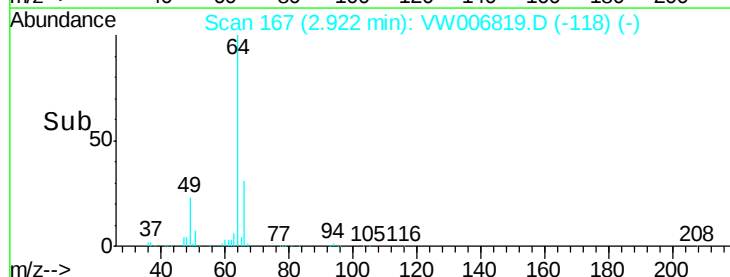
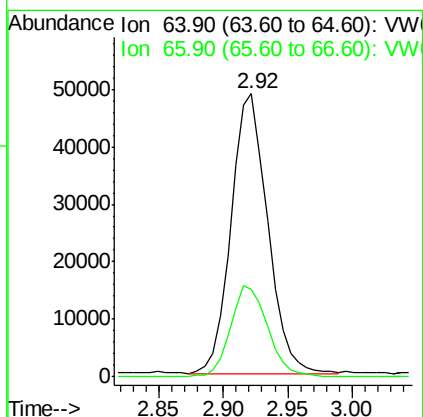
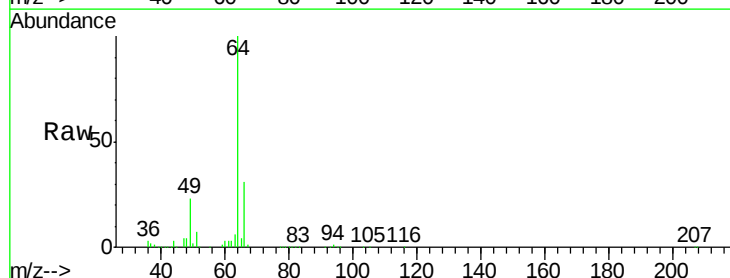
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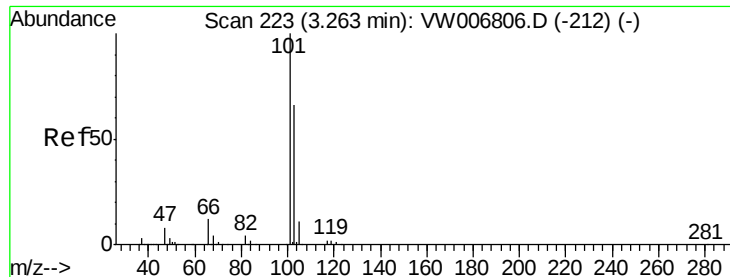
Tgt Ion: 64 Resp: 95969

Ion Ratio Lower Upper

64 100

66 31.2 25.5 38.3





#7

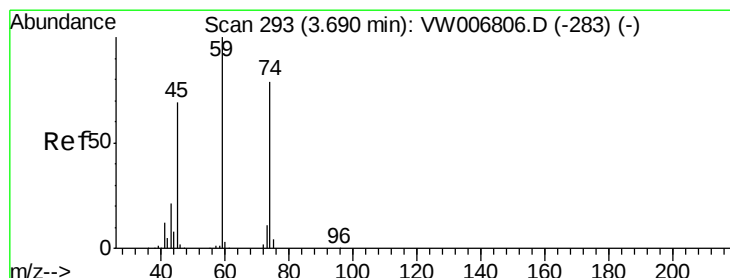
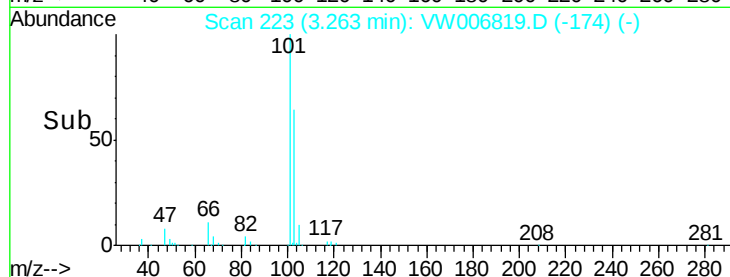
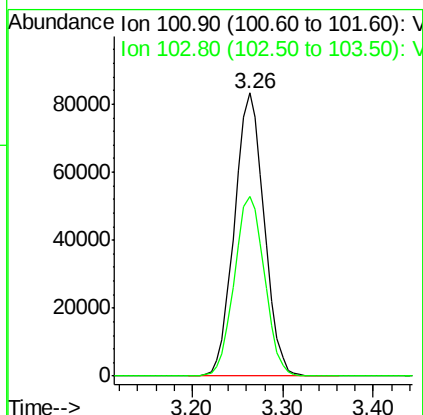
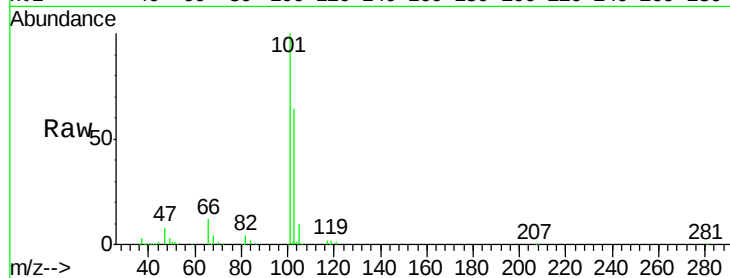
Trichlorofluoromethane
Concen: 46.267 ug/l
RT: 3.26 min Scan# 223
Delta R.T. 0.00 min
Lab File: VW006819.D
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Tgt Ion	Ratio	Resp	Lower	Upper
101	100	189162		
103	63.6	52.6	79.0	

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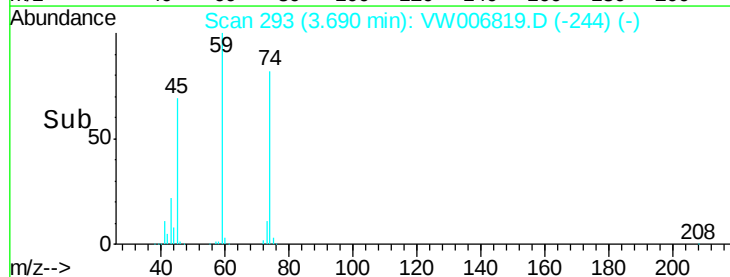
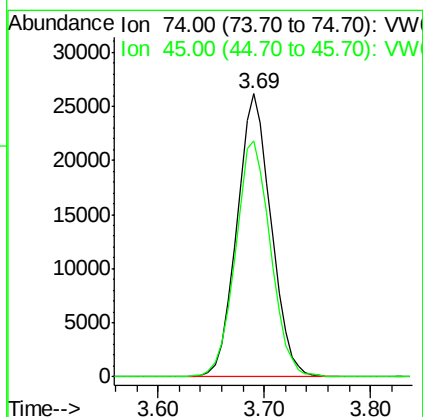
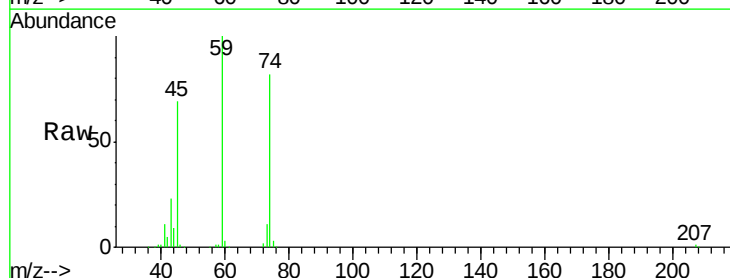
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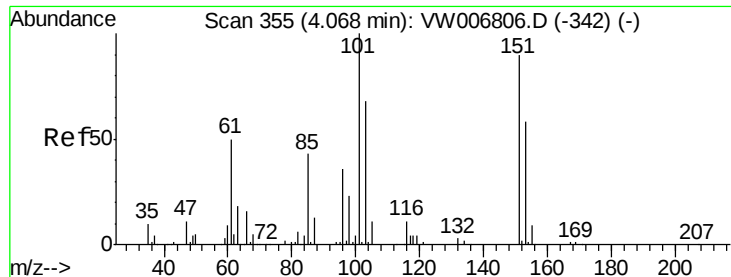


#8

Diethyl Ether
Concen: 49.155 ug/l
RT: 3.69 min Scan# 293
Delta R.T. 0.00 min
Lab File: VW006819.D
Acq: 12 Nov 2018 20:47

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	58972		
45	85.9	43.1	129.4	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.868 ug/l

RT: 4.07 min Scan# 355

Delta R.T. 0.00 min

Lab File: VW006819.D

Acq: 12 Nov 2018 20:47

Instrument :

MSVOA_W

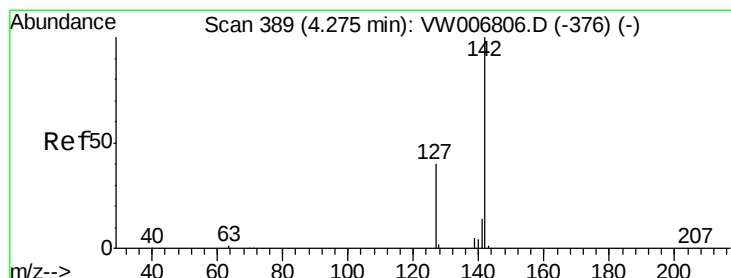
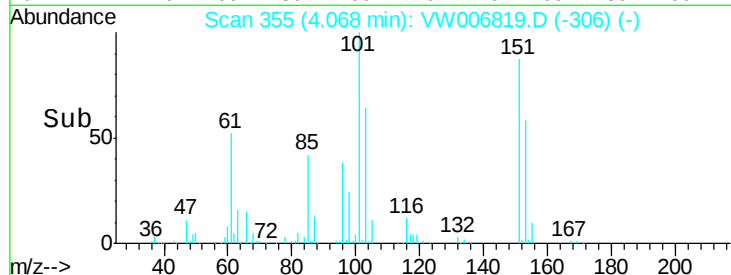
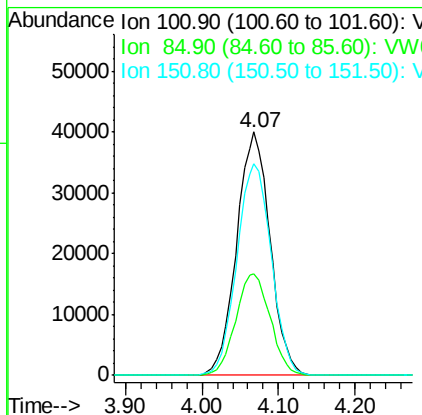
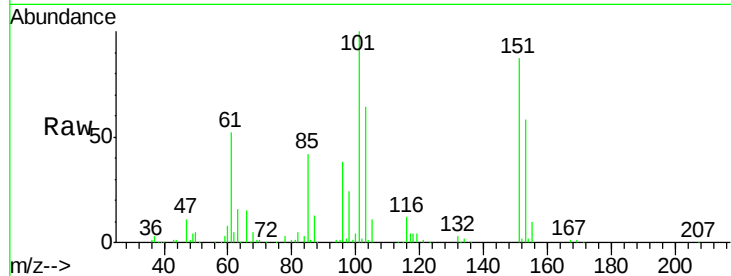
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	101	Resp:	121615
Ion Ratio	Lower	Upper	
101	100		
85	42.7	33.8	50.8
151	89.3	71.4	107.0

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#10

Methyl Iodide

Concen: 49.561 ug/l

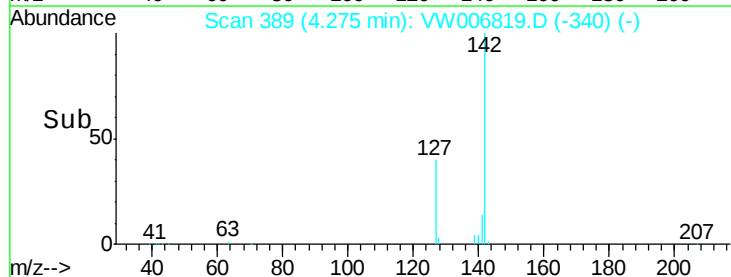
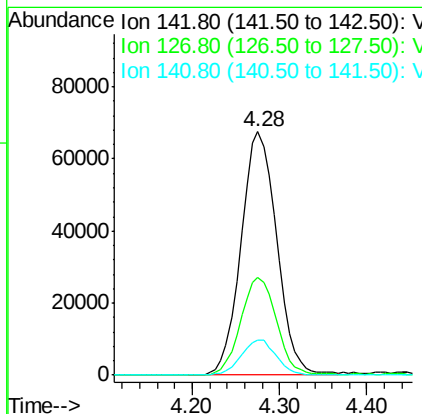
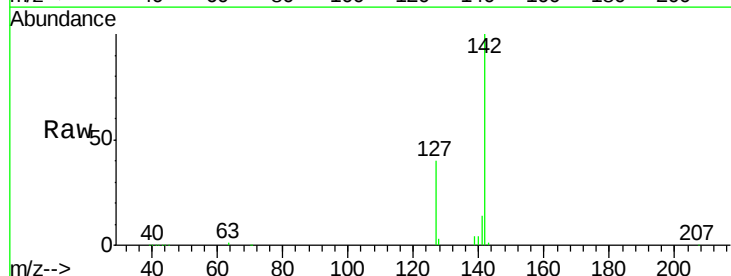
RT: 4.28 min Scan# 389

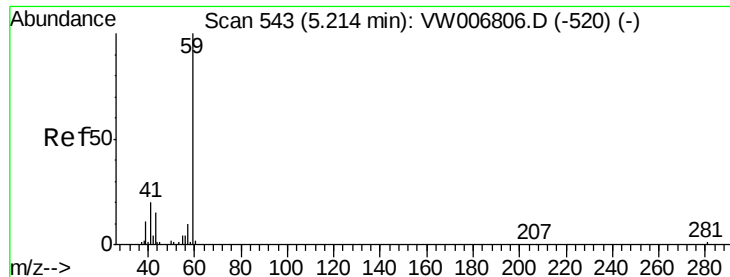
Delta R.T. 0.00 min

Lab File: VW006819.D

Acq: 12 Nov 2018 20:47

Tgt Ion:	142	Resp:	192566
Ion Ratio	Lower	Upper	
142	100		
127	40.2	31.8	47.8
141	14.2	11.5	17.3





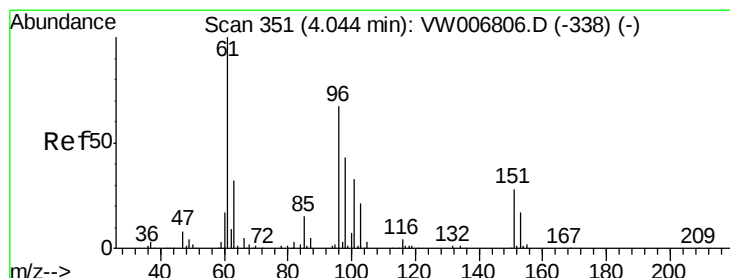
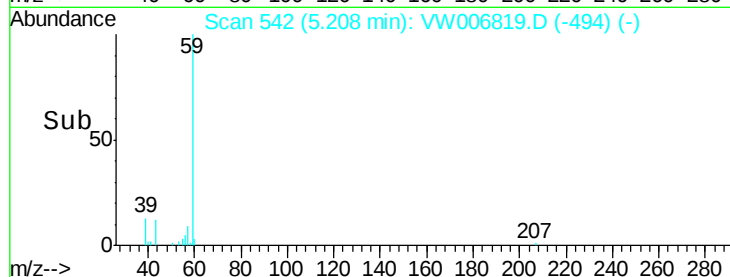
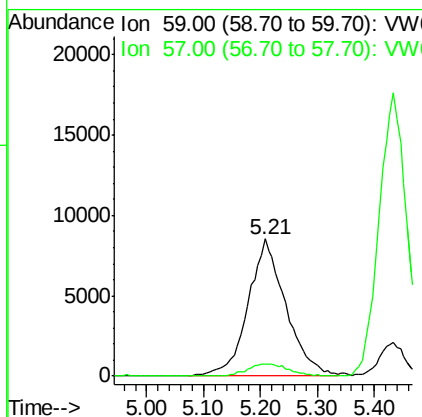
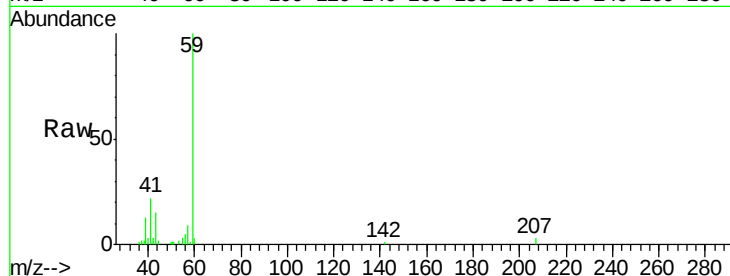
#11
Tert butyl alcohol
Concen: 264.916 ug/l
RT: 5.21 min Scan# 542
Delta R.T. -0.01 min
Lab File: VW006819.D
Acq: 12 Nov 2018 20:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
59	100		
57	9.6	8.3	12.5

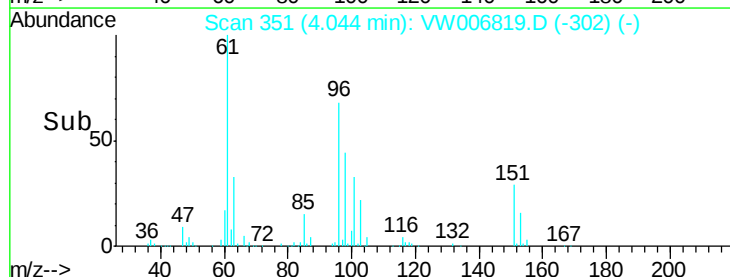
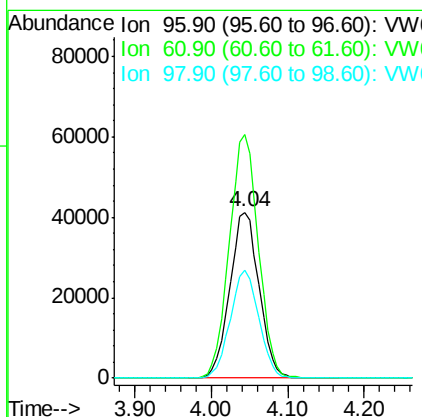
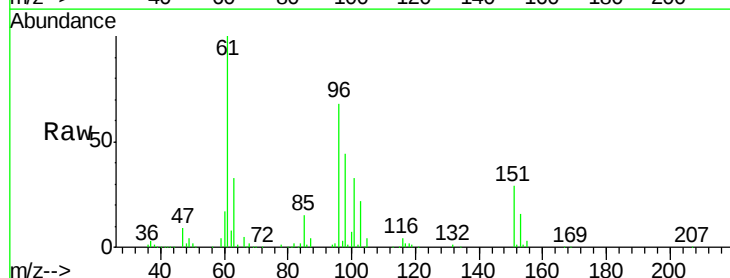
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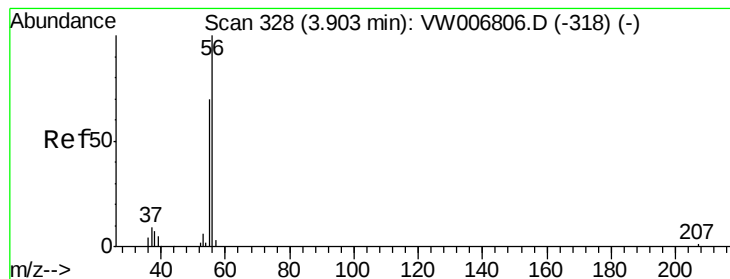
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#12
1,1-Dichloroethene
Concen: 46.528 ug/l
RT: 4.04 min Scan# 351
Delta R.T. 0.00 min
Lab File: VW006819.D
Acq: 12 Nov 2018 20:47

Tgt Ion	Ratio	Lower	Upper
96	100		
61	146.6	119.8	179.6
98	64.8	51.5	77.3





#13

Acrolein

Concen: 228.250 ug/l

RT: 3.90 min Scan# 328

Delta R.T. 0.00 min

Lab File: VW006819.D

Acq: 12 Nov 2018 20:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 56 Resp: 35514

Ion Ratio Lower Upper

56 100

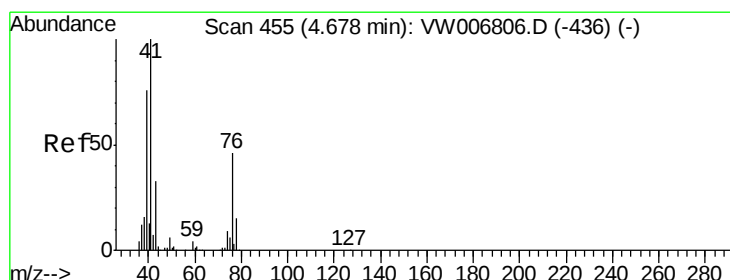
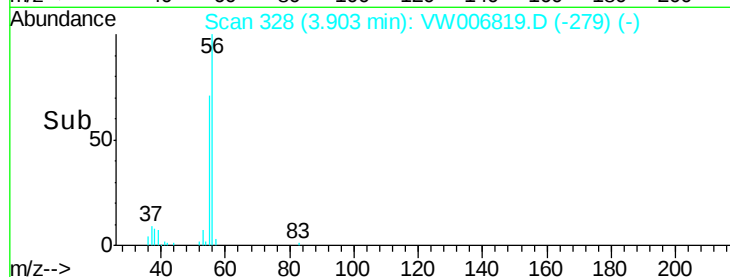
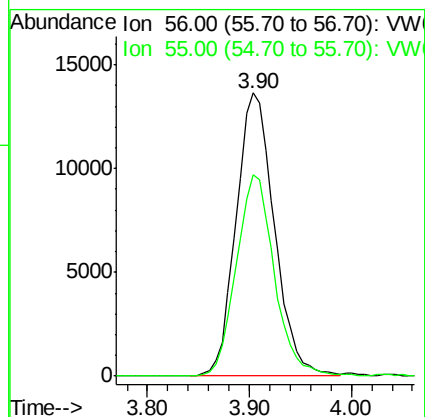
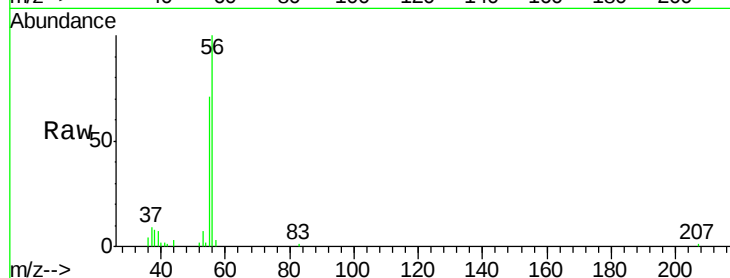
55 70.7 56.1 84.1

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#14

Allyl chloride

Concen: 48.177 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.00 min

Lab File: VW006819.D

Acq: 12 Nov 2018 20:47

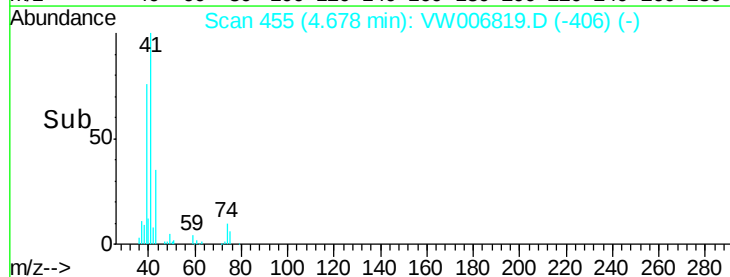
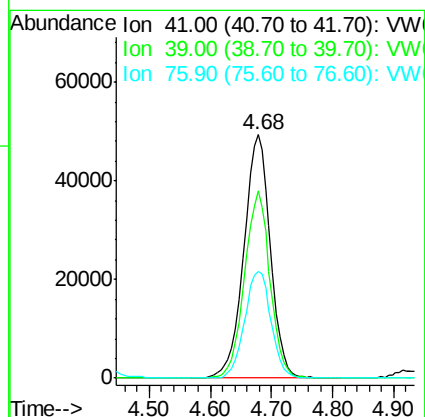
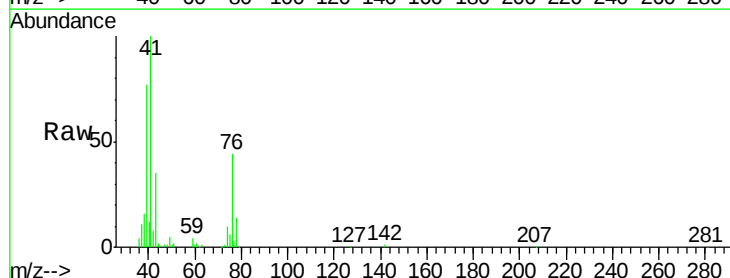
Tgt Ion: 41 Resp: 148384

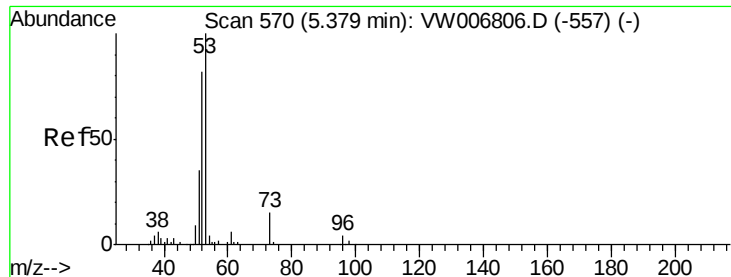
Ion Ratio Lower Upper

41 100

39 73.8 58.9 88.3

76 43.5 34.4 51.6





#15

Acrylonitrile

Concen: 262.260 ug/l

RT: 5.38 min Scan# 570

Delta R.T. 0.00 min

Lab File: VW006819.D

Acq: 12 Nov 2018 20:47

Instrument :

MSVOA_W

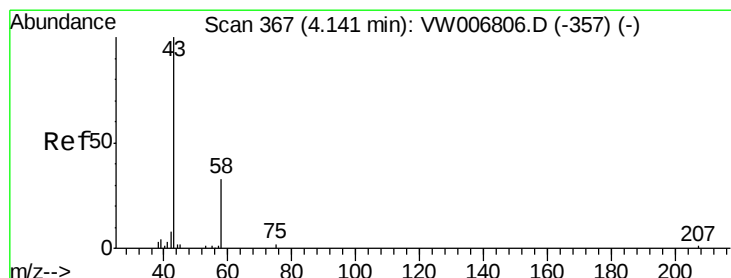
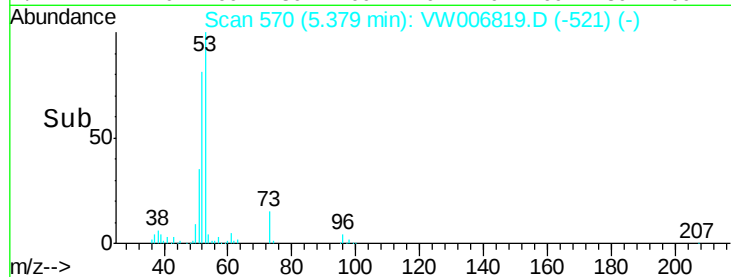
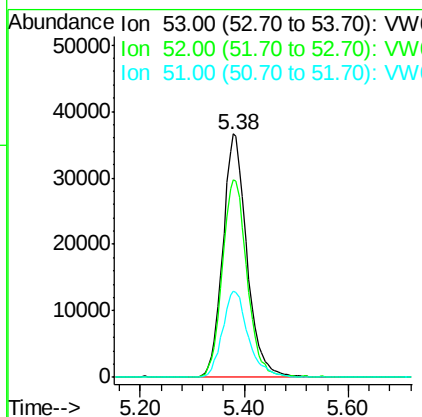
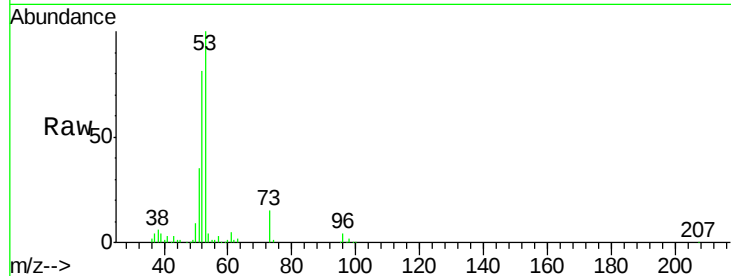
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	53	Resp:	119157
Ion	Ratio	Lower	Upper
53	100		
52	83.0	65.2	97.8
51	37.6	30.0	45.0

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#16

Acetone

Concen: 266.365 ug/l

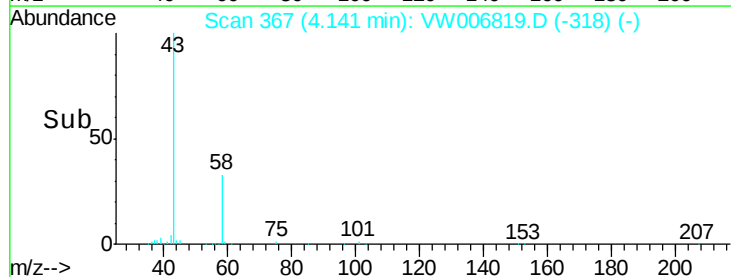
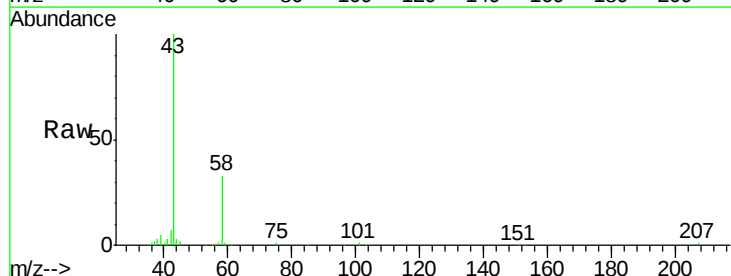
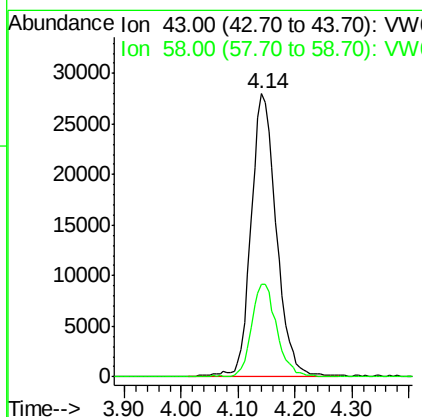
RT: 4.14 min Scan# 367

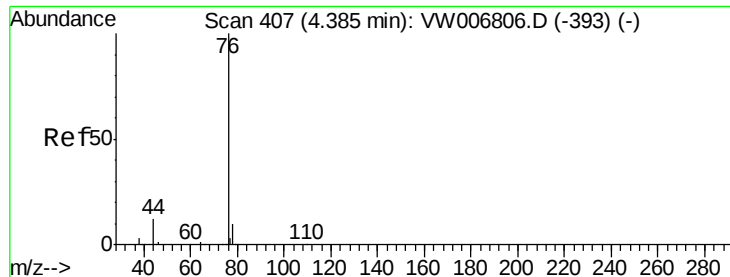
Delta R.T. 0.00 min

Lab File: VW006819.D

Acq: 12 Nov 2018 20:47

Tgt Ion:	43	Resp:	86696
Ion	Ratio	Lower	Upper
43	100		
58	32.8	26.5	39.7





#17

Carbon Disulfide

Concen: 48.922 ug/l

RT: 4.39 min Scan# 407

Delta R.T. 0.00 min

Lab File: VW006819.D

Acq: 12 Nov 2018 20:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 76 Resp: 362300

Ion Ratio Lower Upper

76 100

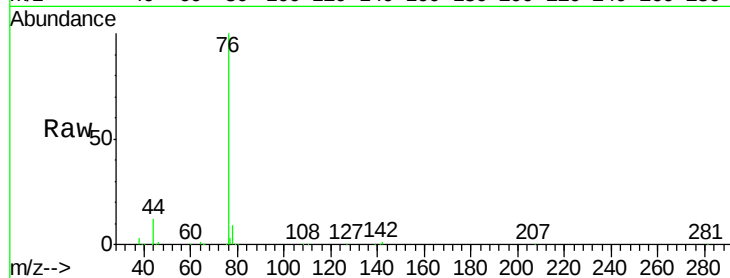
78 9.0 7.6 11.4

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Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.39

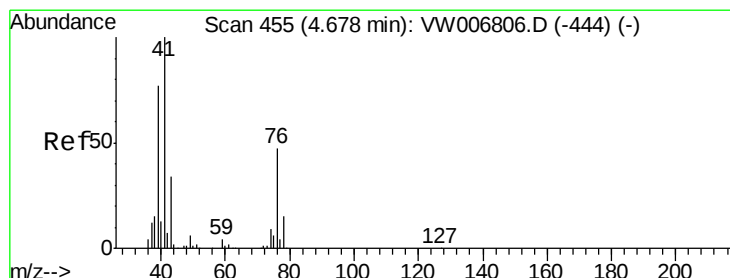
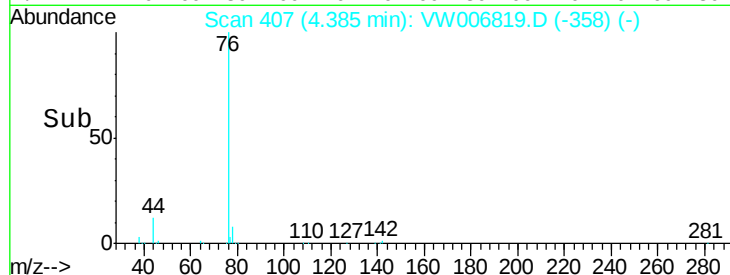
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 50.018 ug/l

RT: 4.68 min Scan# 456

Delta R.T. 0.01 min

Lab File: VW006819.D

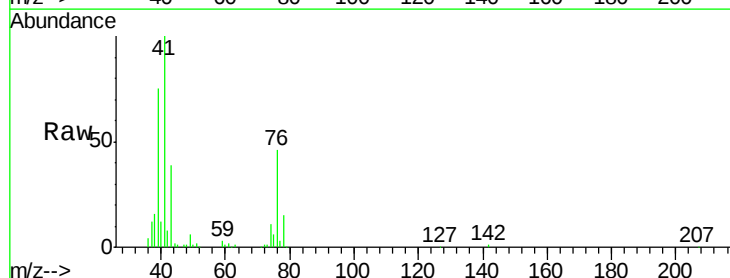
Acq: 12 Nov 2018 20:47

Tgt Ion: 43 Resp: 55688

Ion Ratio Lower Upper

43 100

74 27.5 21.9 32.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.68

20000

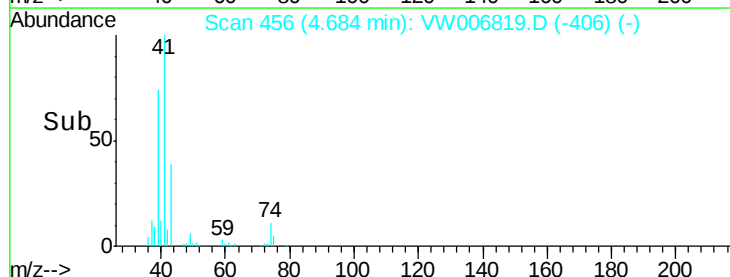
15000

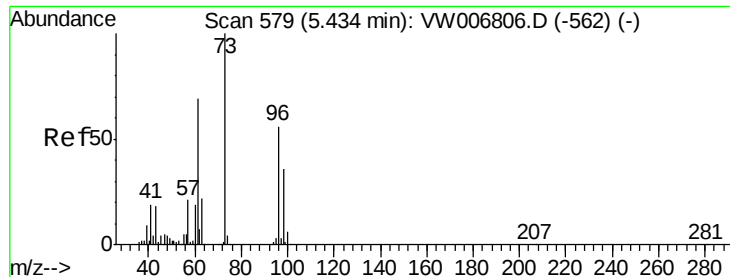
10000

5000

0

Time-->





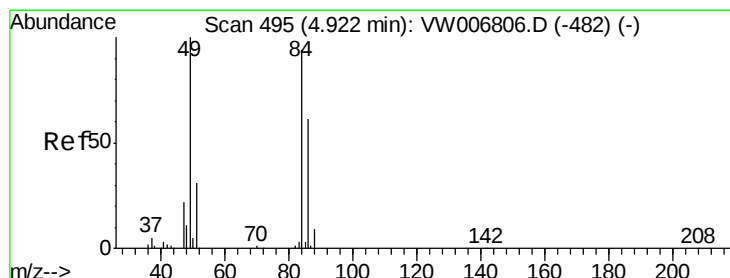
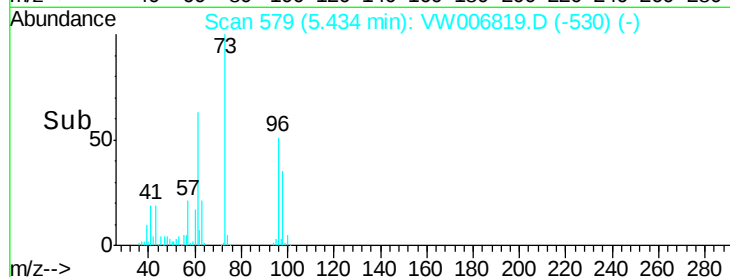
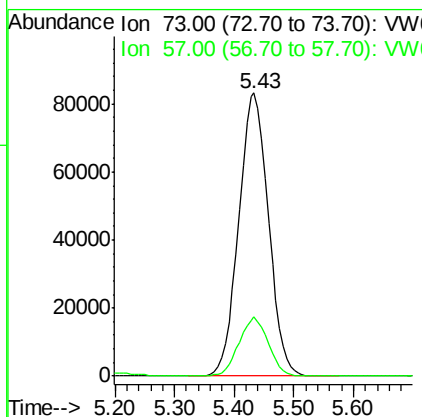
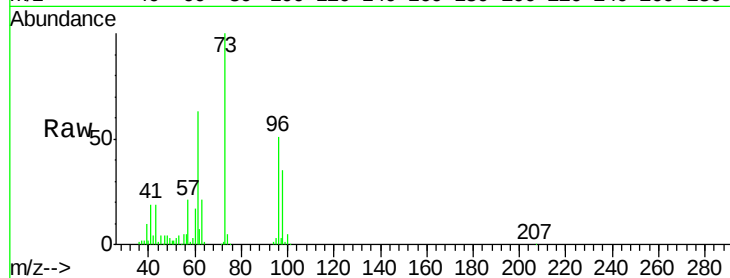
#19
Methyl tert-butyl Ether
Concen: 51.950 ug/l
RT: 5.43 min Scan# 579
Delta R.T. 0.00 min
Lab File: VW006819.D
Acq: 12 Nov 2018 20:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 73 Resp: 288818
Ion Ratio Lower Upper
73 100
57 21.2 16.8 25.2

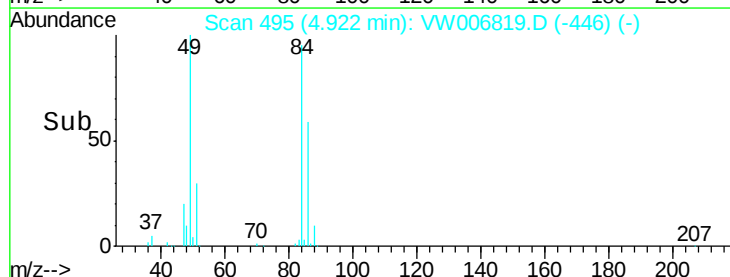
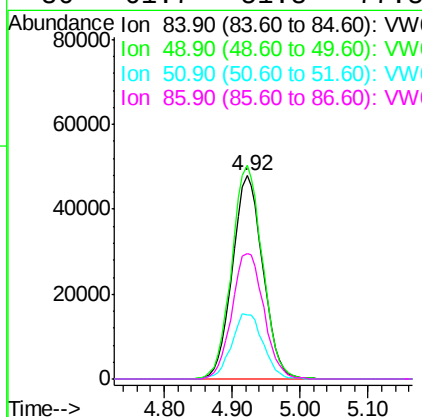
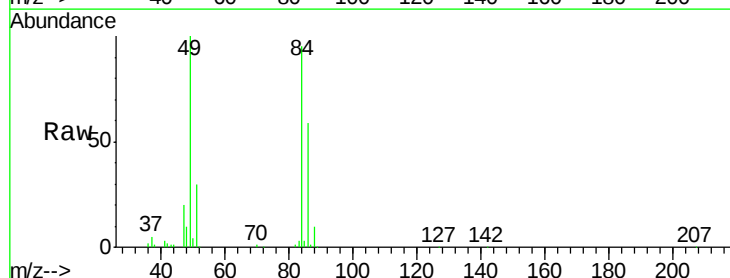
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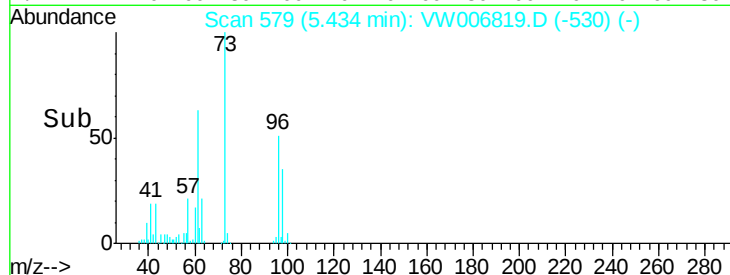
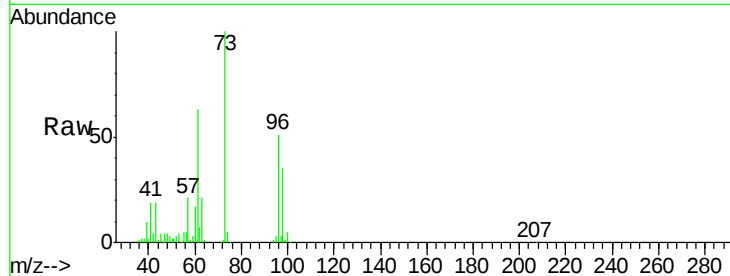
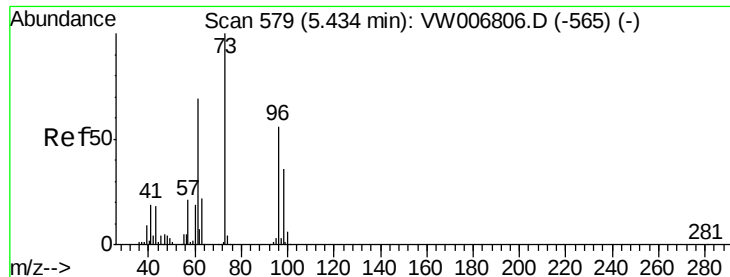
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#20
Methylene Chloride
Concen: 50.483 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW006819.D
Acq: 12 Nov 2018 20:47

Tgt Ion: 84 Resp: 149436
Ion Ratio Lower Upper
84 100
49 105.2 84.8 127.2
51 31.4 26.2 39.4
86 61.7 51.8 77.8





#21

trans-1,2-Dichloroethene

Concen: 46.494 ug/l

RT: 5.43 min Scan# 579

Delta R.T. 0.00 min

Lab File: VW006819.D

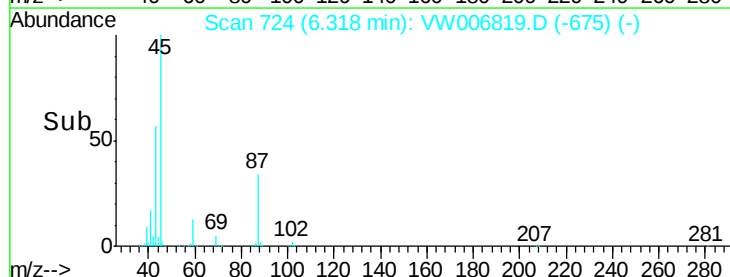
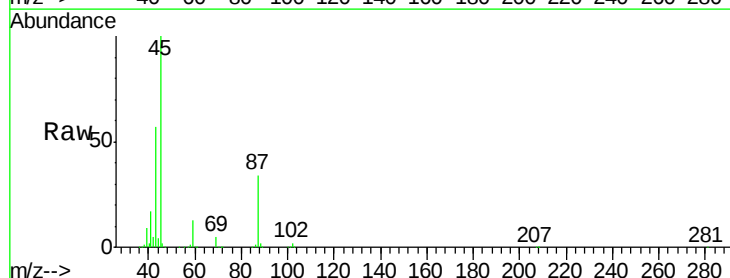
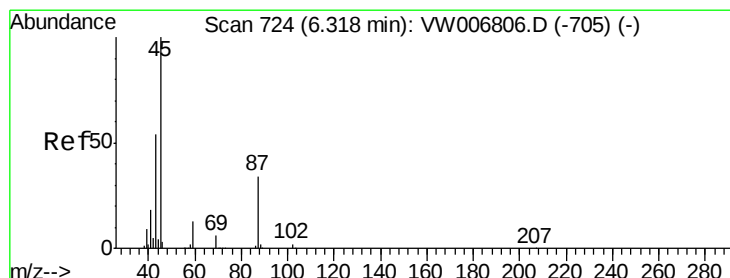
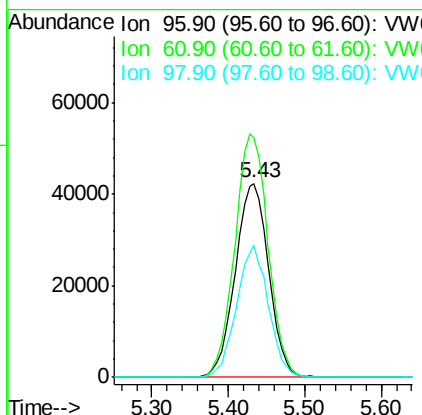
Acq: 12 Nov 2018 20:47

Tgt Ion:	96	Resp:	128402
Ion	Ratio	Lower	Upper
96	100		
61	123.4	98.7	148.1
98	68.2	51.2	76.8

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

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#22

Diisopropyl ether

Concen: 50.811 ug/l

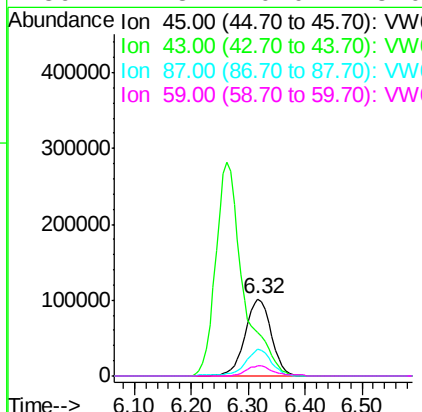
RT: 6.32 min Scan# 724

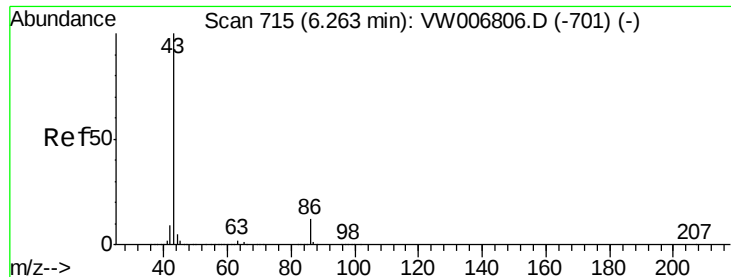
Delta R.T. 0.00 min

Lab File: VW006819.D

Acq: 12 Nov 2018 20:47

Tgt Ion:	45	Resp:	325016
Ion	Ratio	Lower	Upper
45	100		
43	57.0	43.7	65.5
87	34.2	27.2	40.8
59	12.8	10.0	15.0





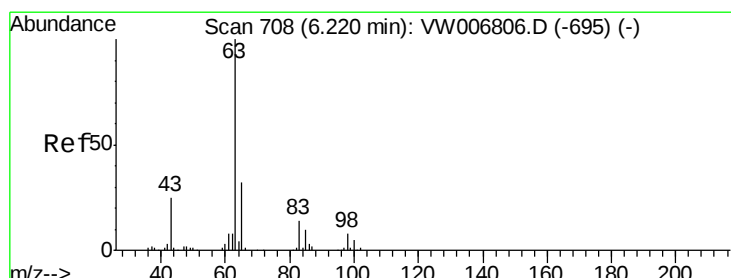
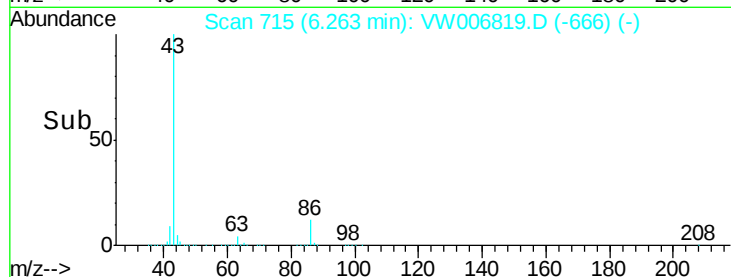
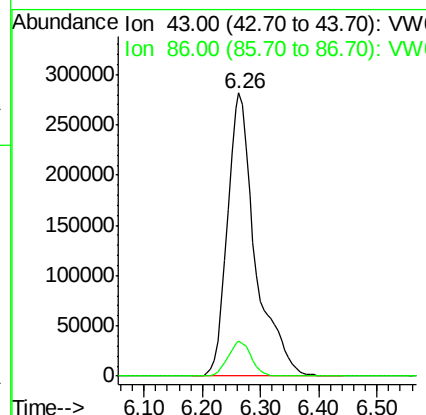
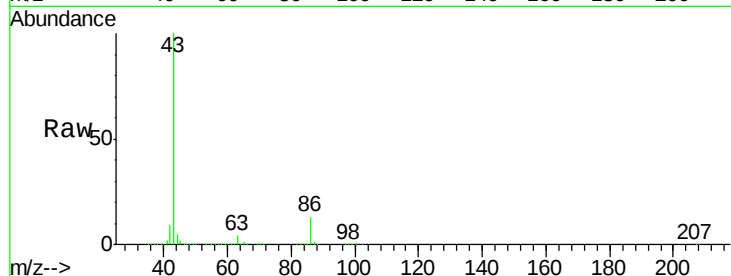
#23
 Vinyl Acetate
 Concen: 259.938 ug/l
 RT: 6.26 min Scan# 715
 Delta R.T. 0.00 min
 Lab File: VW006819.D
 Acq: 12 Nov 2018 20:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
43	100		
86	12.5	9.6	14.4

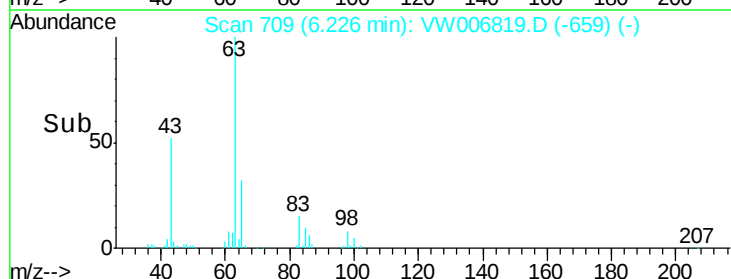
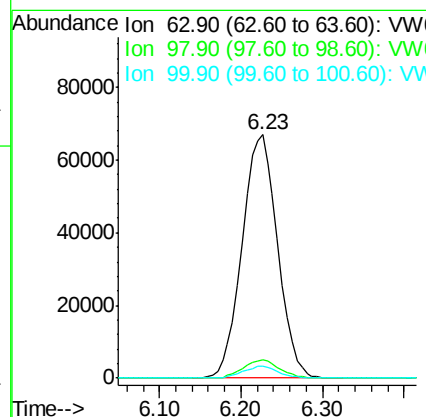
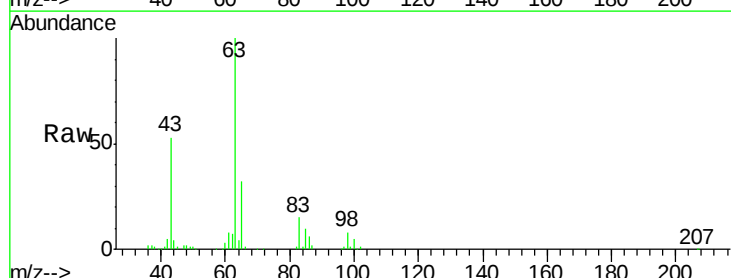
Manual Integrations
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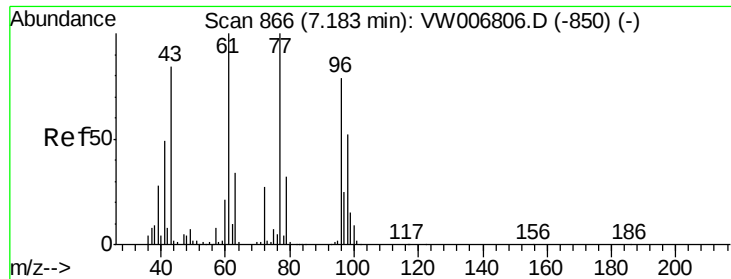
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#24
 1,1-Dichloroethane
 Concen: 47.629 ug/l
 RT: 6.23 min Scan# 709
 Delta R.T. 0.01 min
 Lab File: VW006819.D
 Acq: 12 Nov 2018 20:47

Tgt Ion	Ratio	Lower	Upper
63	100		
98	7.6	3.9	11.5
100	4.7	2.4	7.2





#25

2-Butanone

Concen: 258.134 ug/l

RT: 7.18 min Scan# 865

Delta R.T. -0.01 min

Lab File: VW006819.D

Acq: 12 Nov 2018 20:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 142087

Ion Ratio Lower Upper

43 100

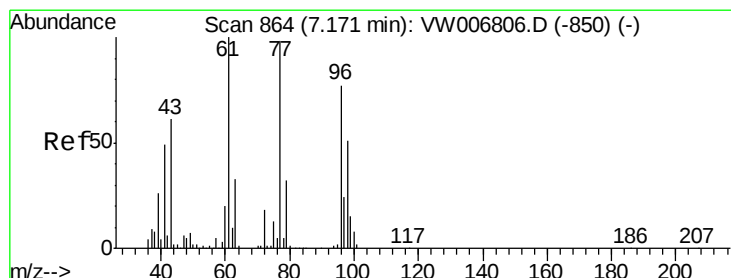
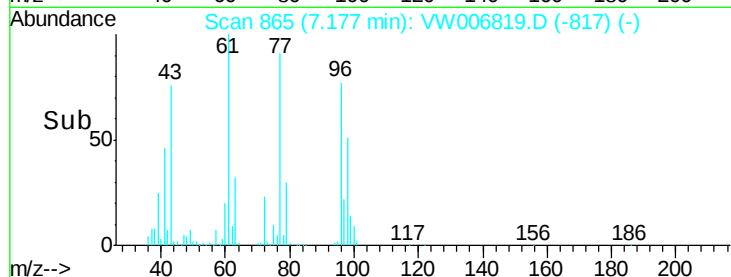
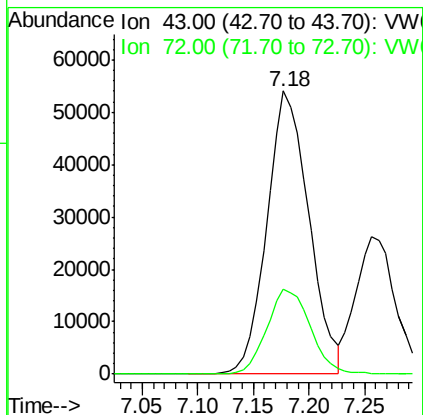
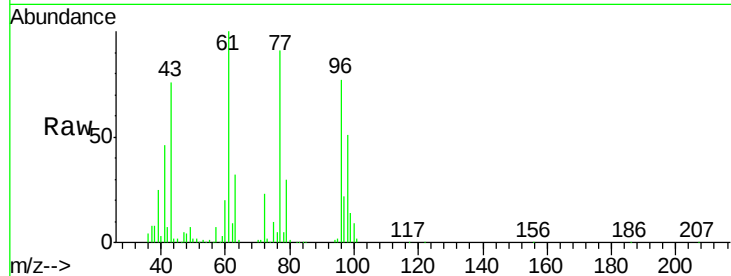
72 29.8 25.3 37.9

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#26

2,2-Dichloropropane

Concen: 43.322 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW006819.D

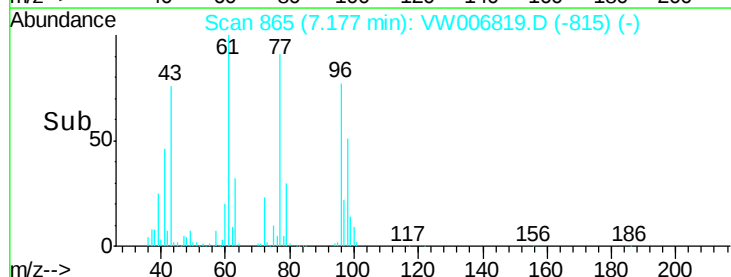
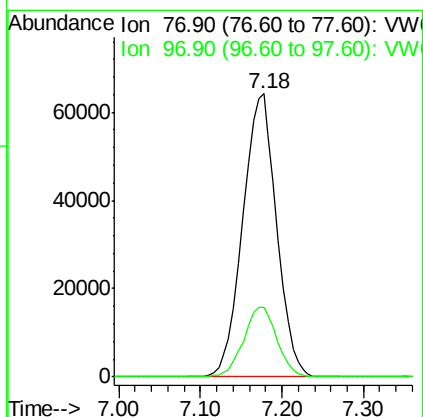
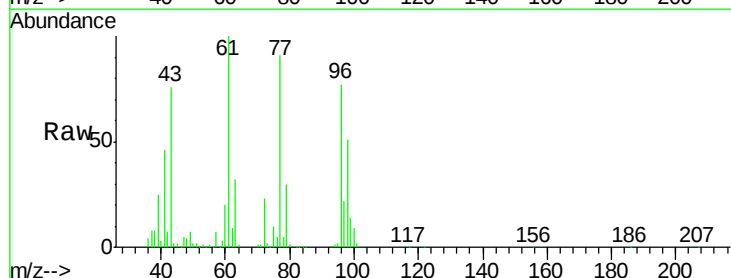
Acq: 12 Nov 2018 20:47

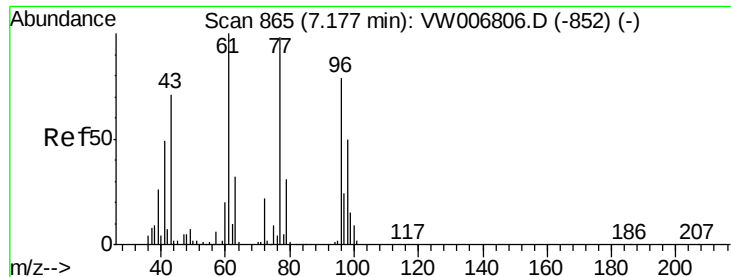
Tgt Ion: 77 Resp: 184917

Ion Ratio Lower Upper

77 100

97 24.3 12.0 36.1





#27

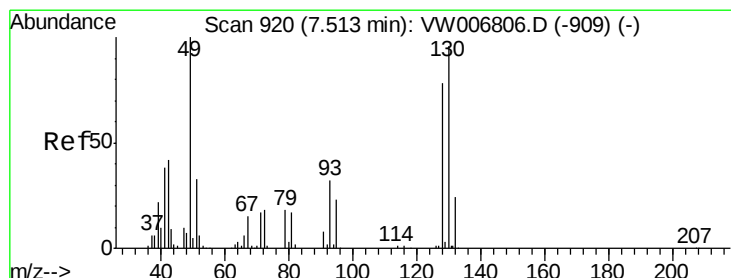
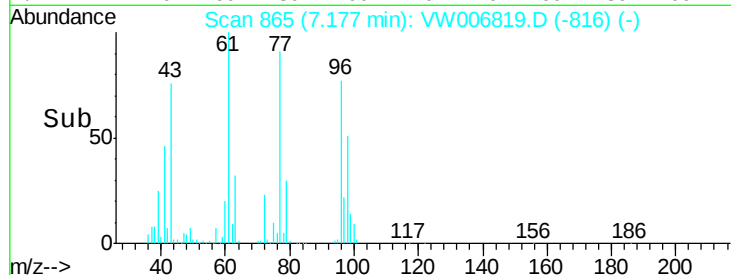
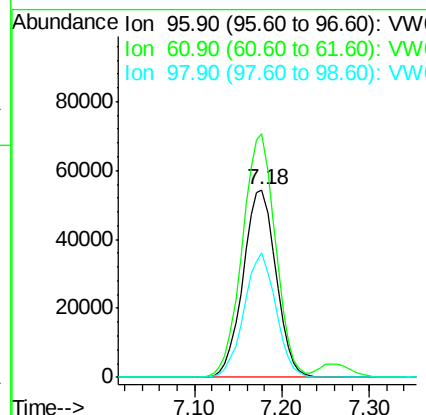
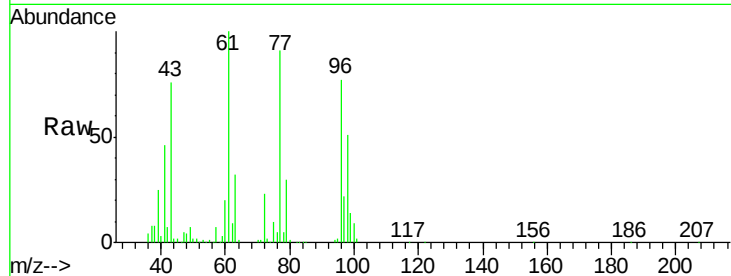
cis-1,2-Dichloroethene
Concen: 48.405 ug/l
RT: 7.18 min Scan# 865
Delta R.T. 0.00 min
Lab File: VW006819.D
Acq: 12 Nov 2018 20:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	142520		
61	130.8	0.0	264.0	
98	64.0	0.0	131.0	

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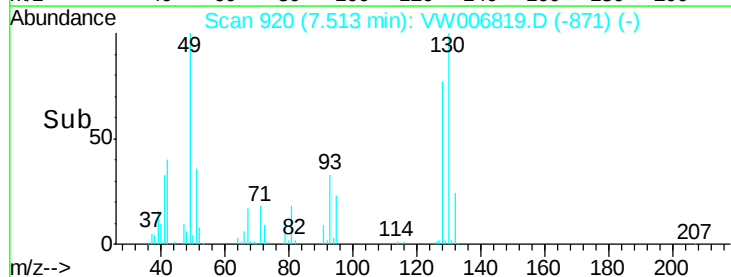
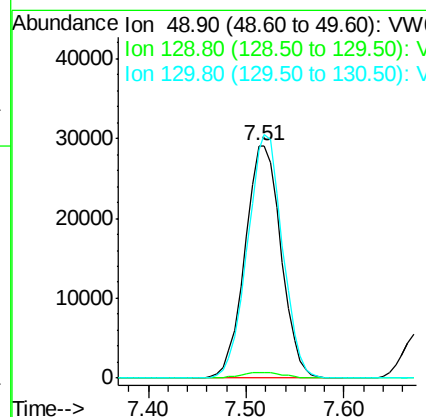
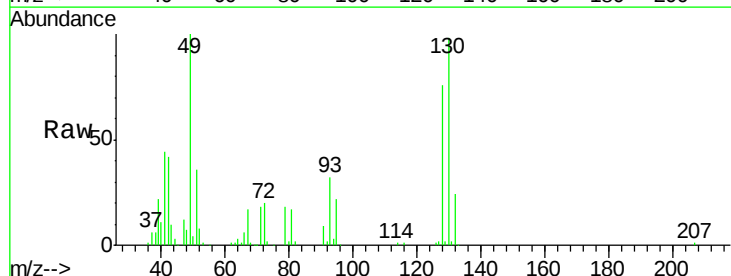
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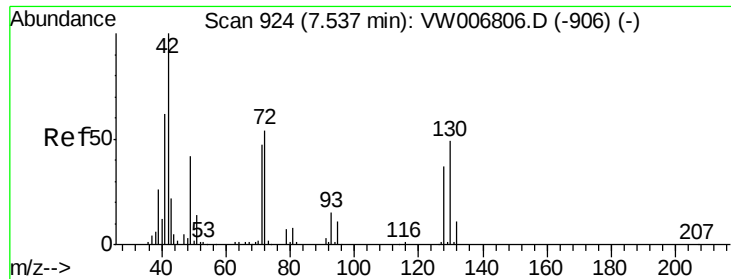


#28

Bromochloromethane
Concen: 50.093 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW006819.D
Acq: 12 Nov 2018 20:47

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	74333		
129	2.7	0.0	5.6	
130	101.8	83.3	124.9	





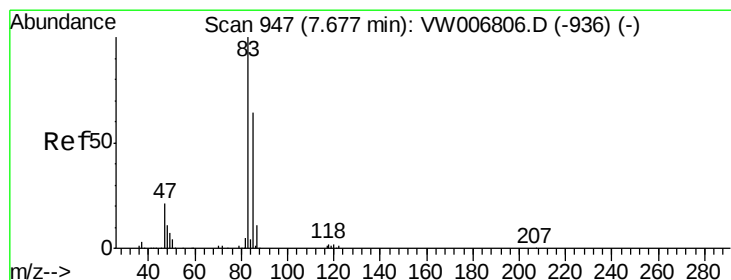
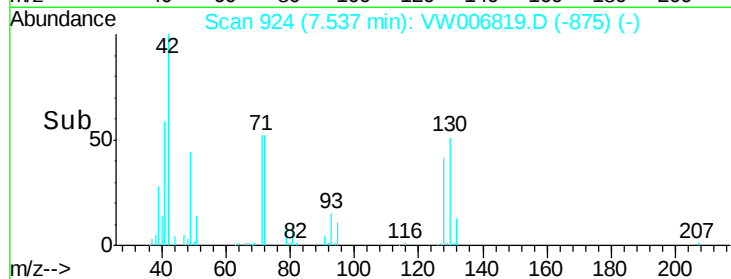
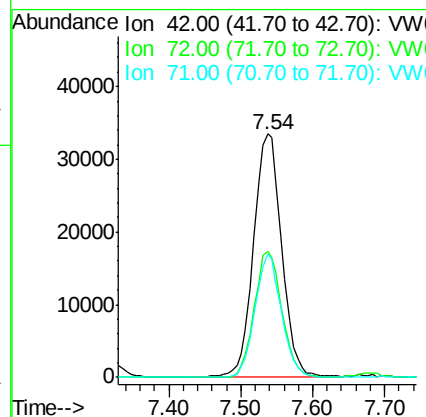
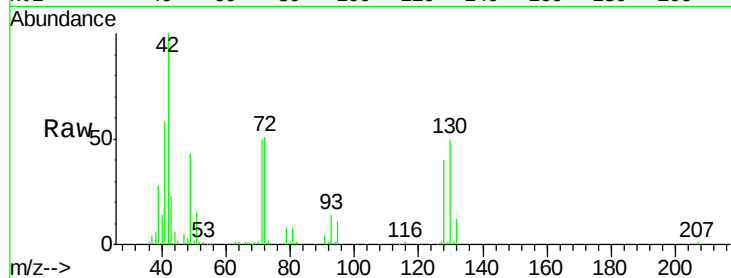
#29
Tetrahydrofuran
Concen: 258.308 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.00 min
Lab File: VW006819.D
Acq: 12 Nov 2018 20:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
42	100		
72	50.6	40.9	61.3
71	47.6	36.9	55.3

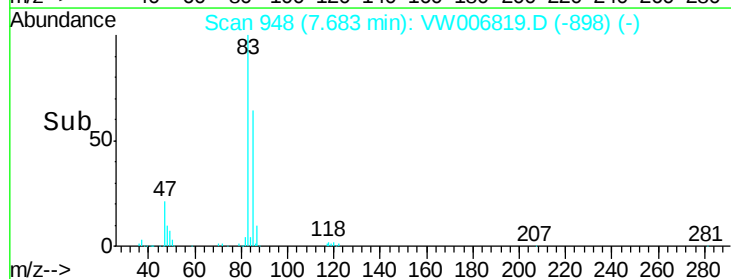
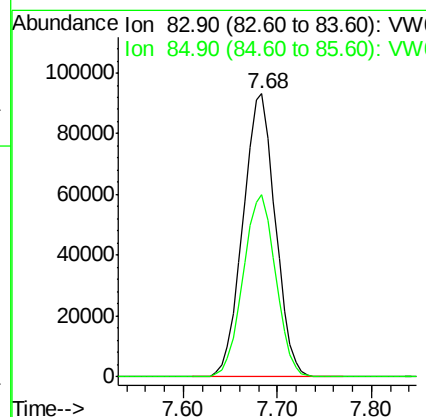
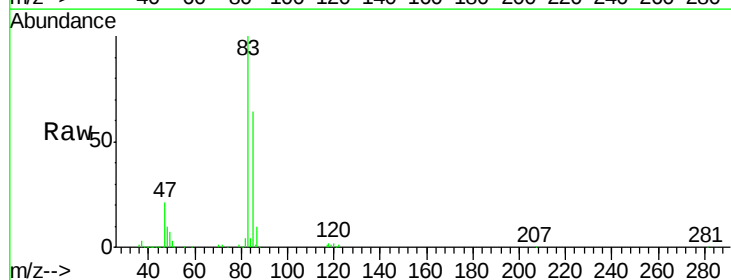
Manual Integrations
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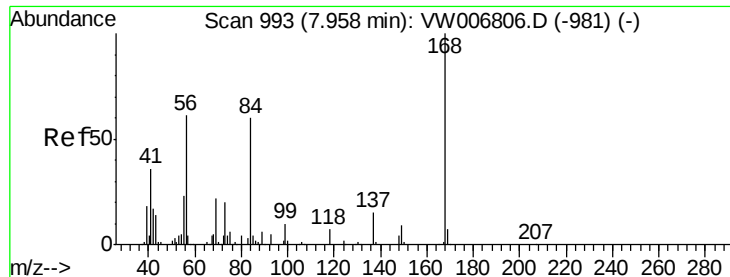
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#30
Chloroform
Concen: 48.021 ug/l
RT: 7.68 min Scan# 948
Delta R.T. 0.01 min
Lab File: VW006819.D
Acq: 12 Nov 2018 20:47

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.5	77.3





#31

Cyclohexane

Concen: 45.068 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW006819.D

Acq: 12 Nov 2018 20:47

Instrument :

MSVOA_W

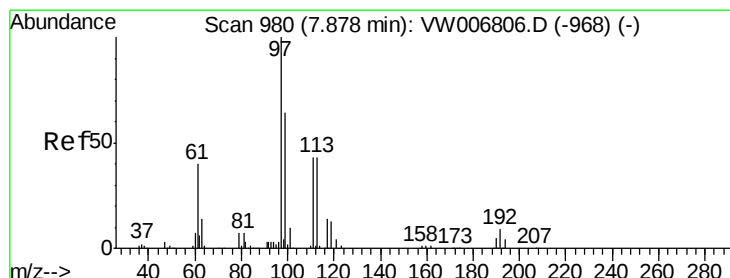
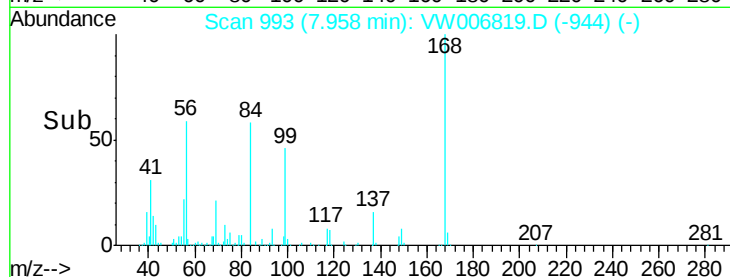
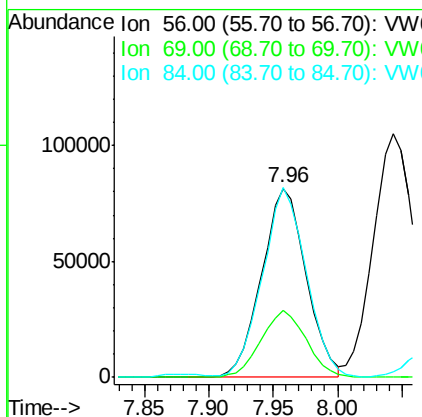
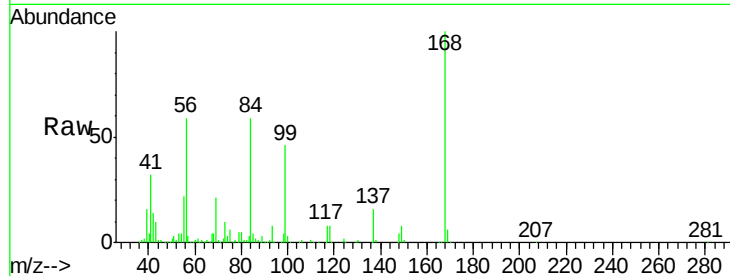
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	56	Resp:	195709
Ion Ratio	Lower	Upper	
56	100		
69	35.8	28.9	43.3
84	98.7	79.0	118.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 46.256 ug/l

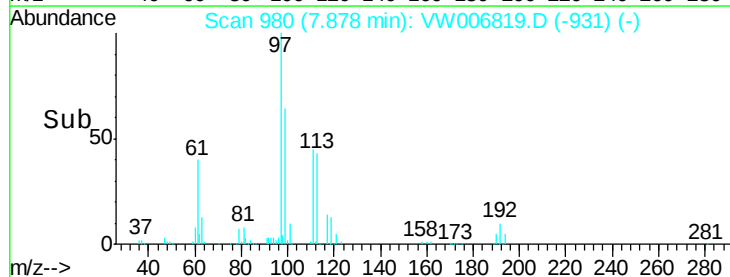
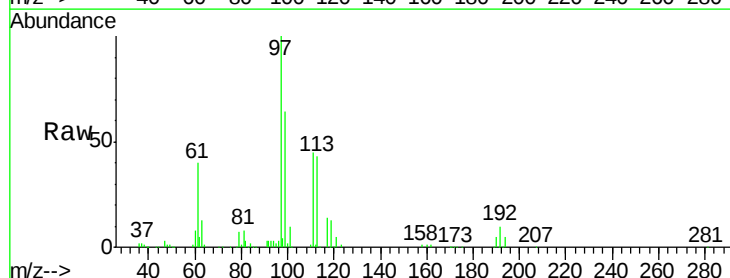
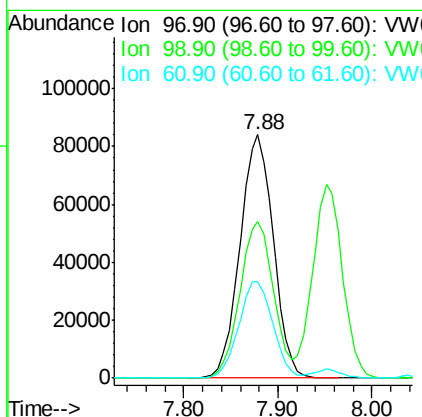
RT: 7.88 min Scan# 980

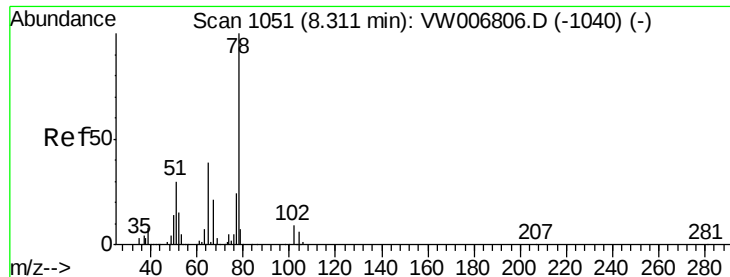
Delta R.T. 0.00 min

Lab File: VW006819.D

Acq: 12 Nov 2018 20:47

Tgt Ion:	97	Resp:	206813
Ion Ratio	Lower	Upper	
97	100		
99	64.9	51.6	77.4
61	40.8	32.2	48.4





#33

1,2-Dichloroethane-d4

Concen: 45.674 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VW006819.D

Acq: 12 Nov 2018 20:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 65 Resp: 103512

Ion Ratio Lower Upper

65 100

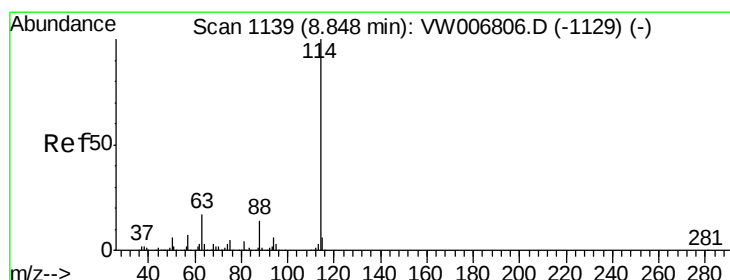
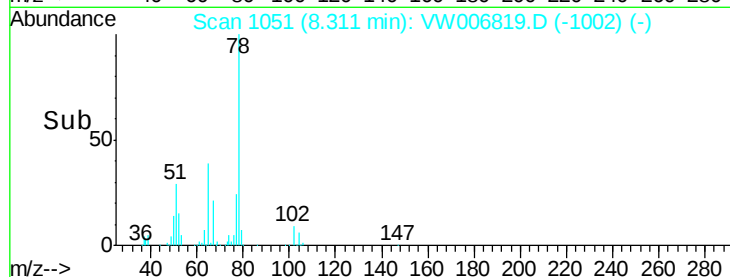
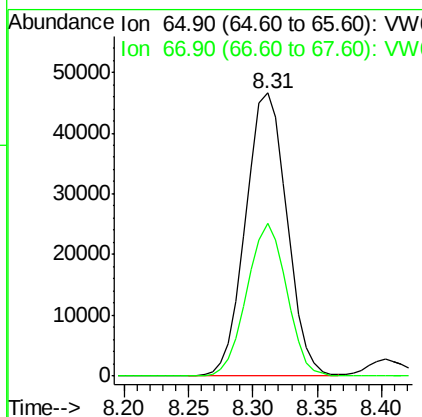
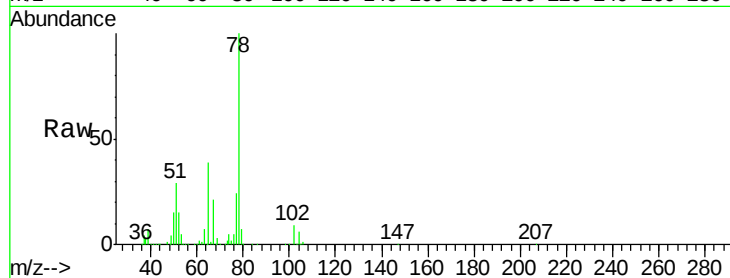
67 52.0 0.0 104.4

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. 0.00 min

Lab File: VW006819.D

Acq: 12 Nov 2018 20:47

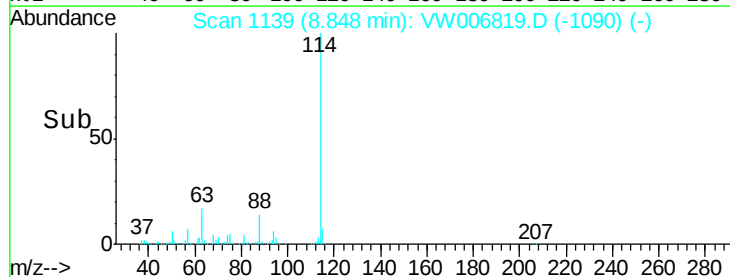
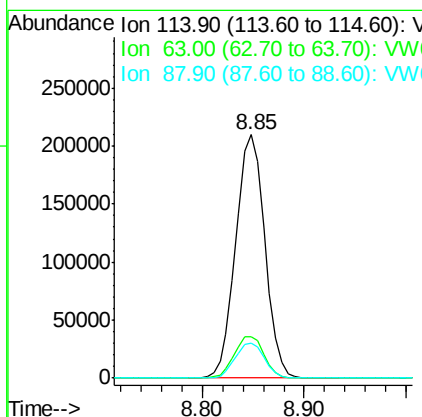
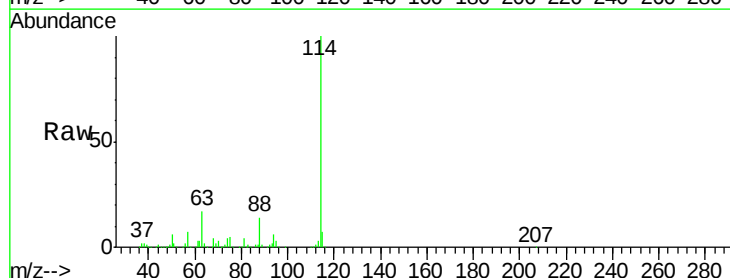
Tgt Ion: 114 Resp: 414877

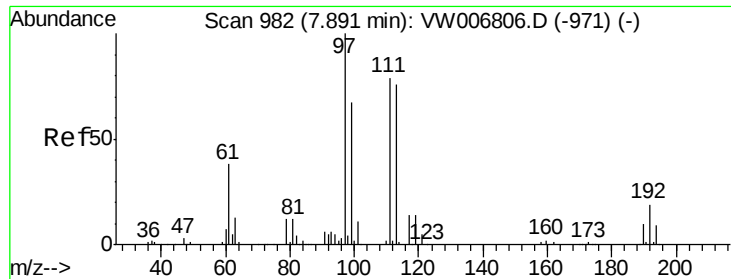
Ion Ratio Lower Upper

114 100

63 17.1 0.0 33.6

88 14.5 0.0 28.4





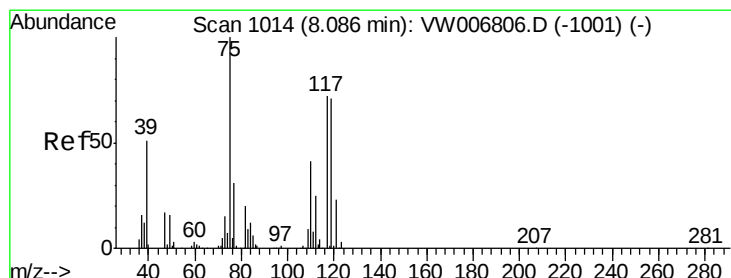
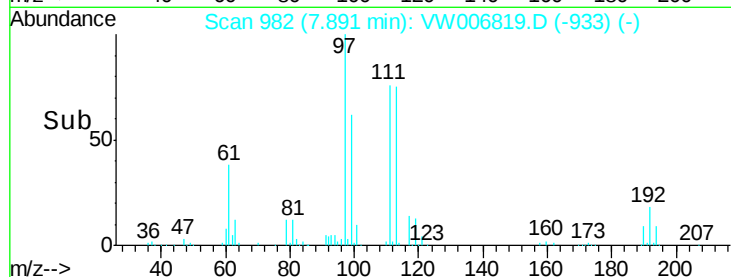
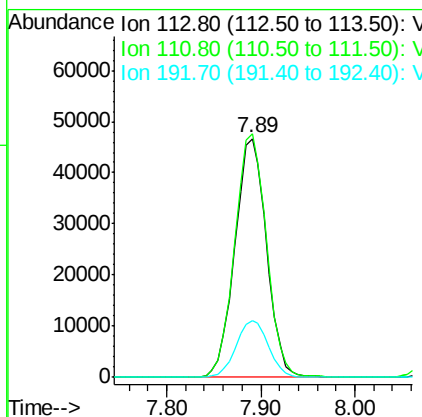
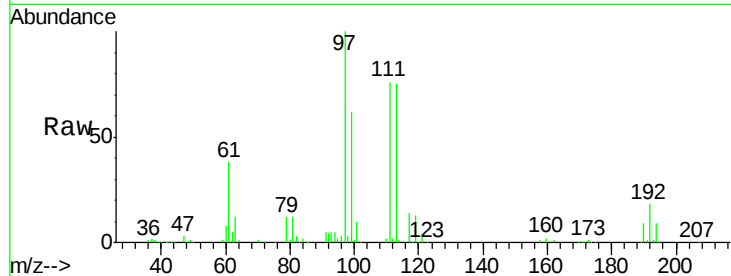
#35
 Dibromofluoromethane
 Concen: 44.262 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VW006819.D
 Acq: 12 Nov 2018 20:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	109348		
111	102.4	81.0	121.6	
192	23.9	19.0	28.6	

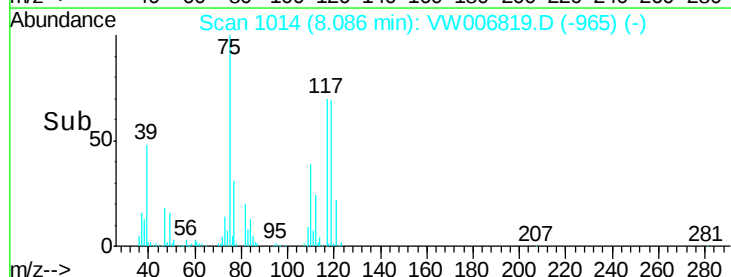
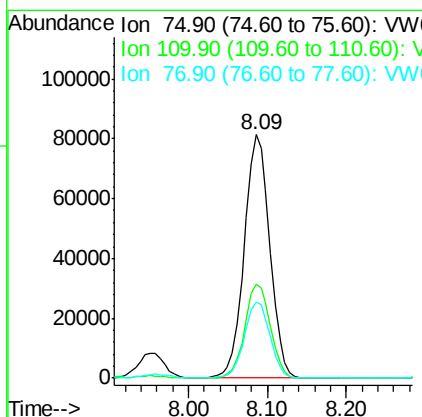
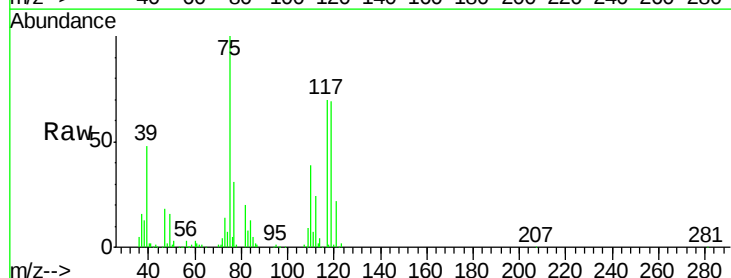
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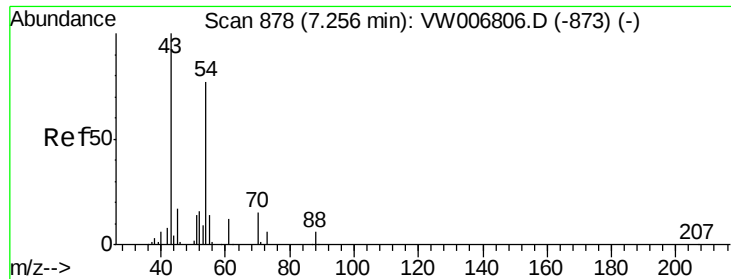
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#36
 1,1-Dichloropropene
 Concen: 47.217 ug/l
 RT: 8.09 min Scan# 1014
 Delta R.T. 0.00 min
 Lab File: VW006819.D
 Acq: 12 Nov 2018 20:47

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	183319		
110	38.5	19.9	59.6	
77	31.4	25.4	38.2	





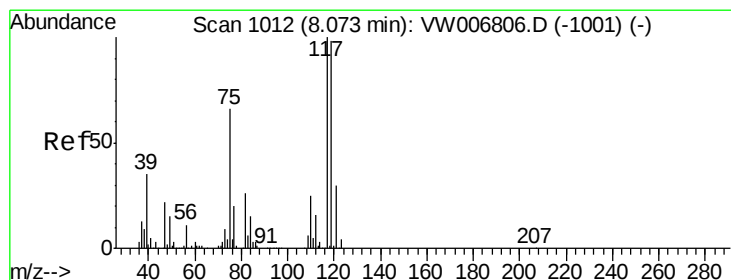
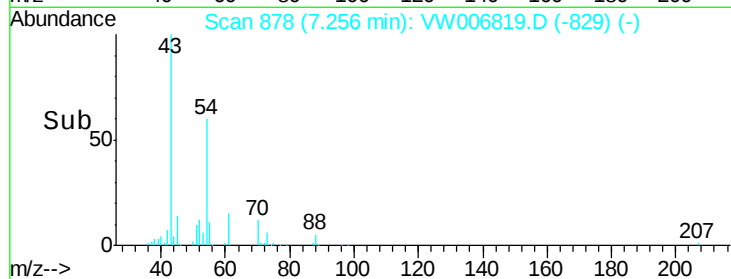
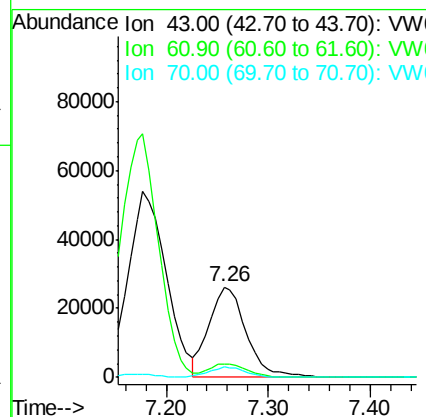
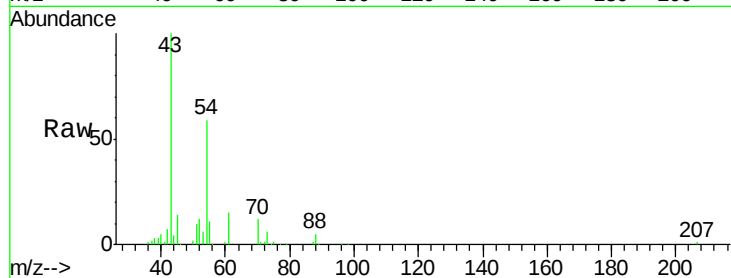
#37
Ethyl Acetate
Concen: 52.043 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.00 min
Lab File: VW006819.D
Acq: 12 Nov 2018 20:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
43	100		
61	14.8	11.7	17.5
70	11.8	10.0	15.0

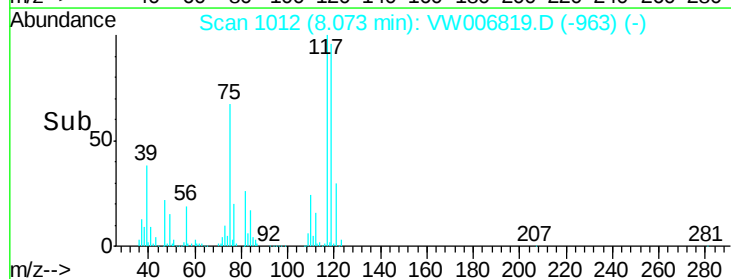
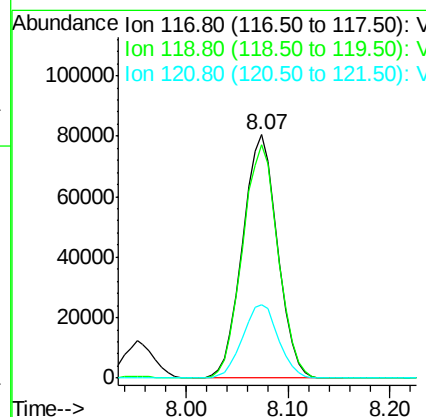
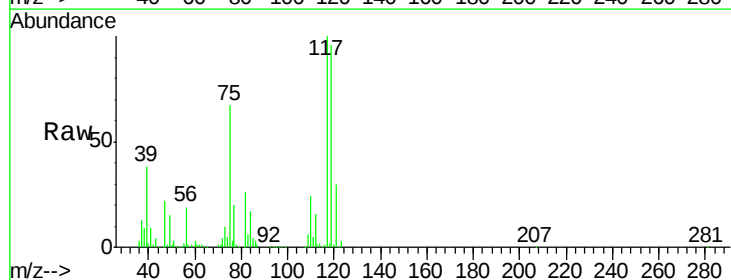
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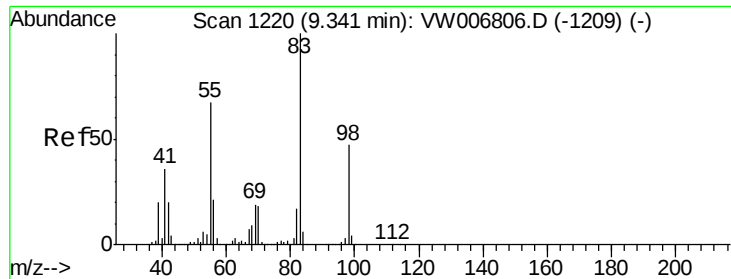
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#38
Carbon Tetrachloride
Concen: 45.432 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VW006819.D
Acq: 12 Nov 2018 20:47

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.0	78.5	117.7
121	30.3	24.2	36.2





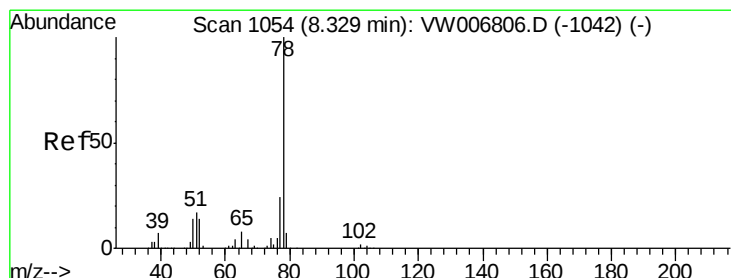
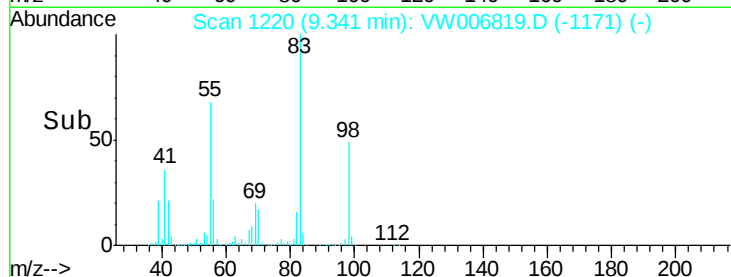
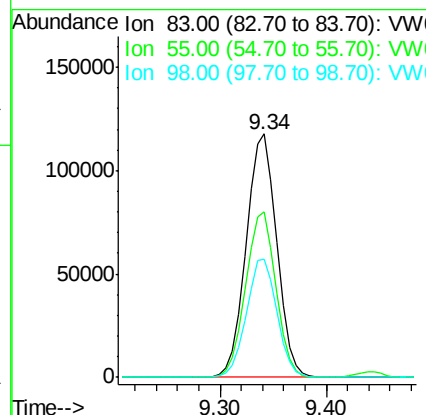
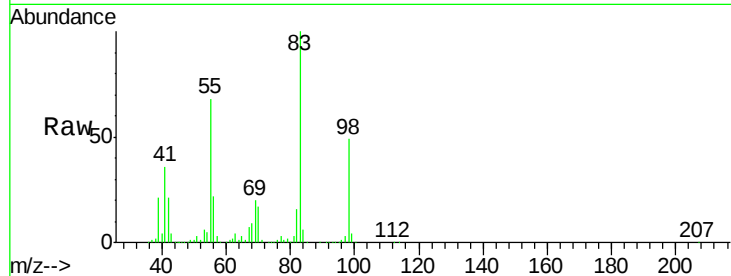
#39
Methylcyclohexane
Concen: 47.081 ug/l
RT: 9.34 min Scan# 1220
Delta R.T. 0.00 min
Lab File: VW006819.D
Acq: 12 Nov 2018 20:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
83	100		
55	67.9	53.3	79.9
98	48.7	37.9	56.9

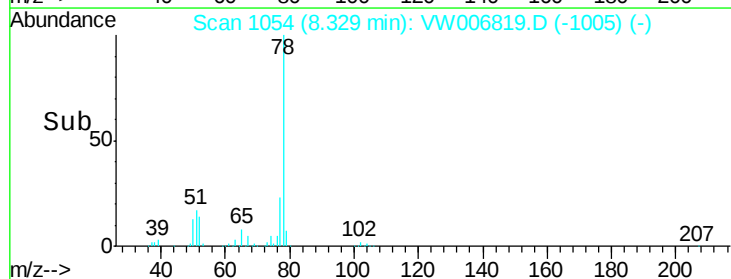
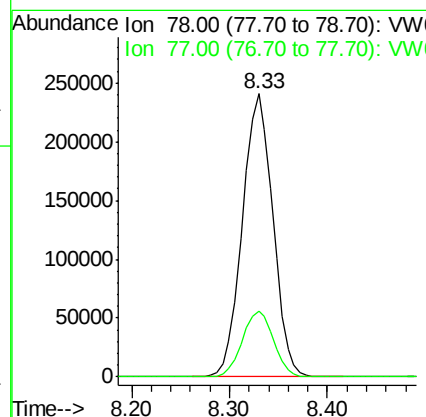
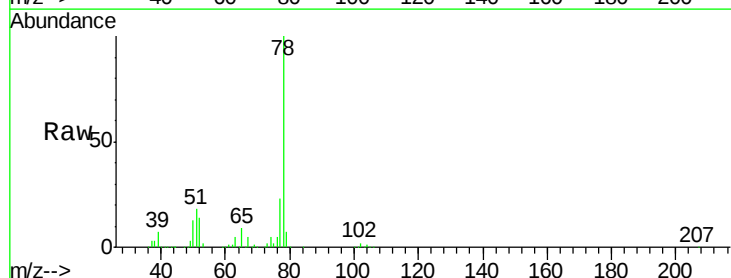
Manual Integrations
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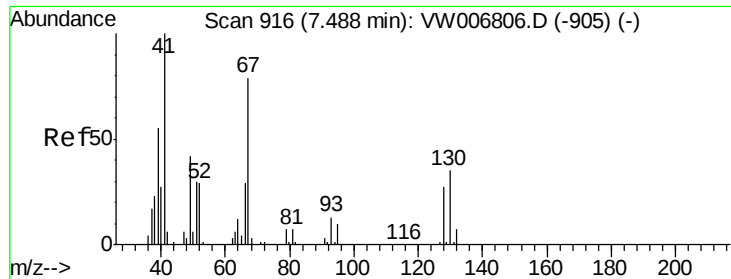
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#40
Benzene
Concen: 48.452 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VW006819.D
Acq: 12 Nov 2018 20:47

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.0	28.6





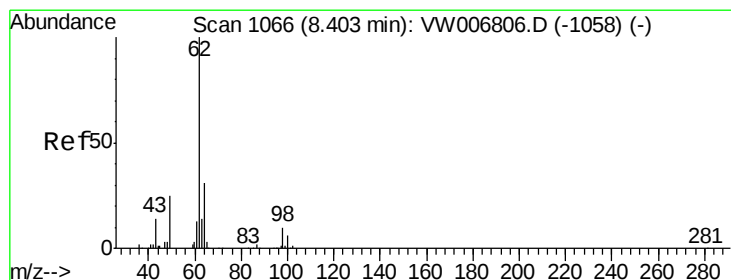
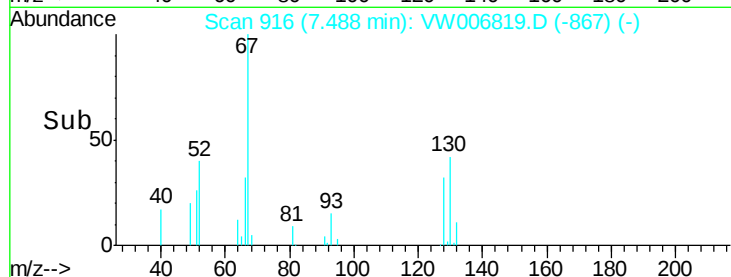
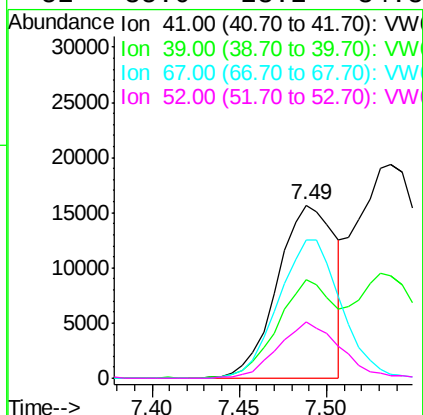
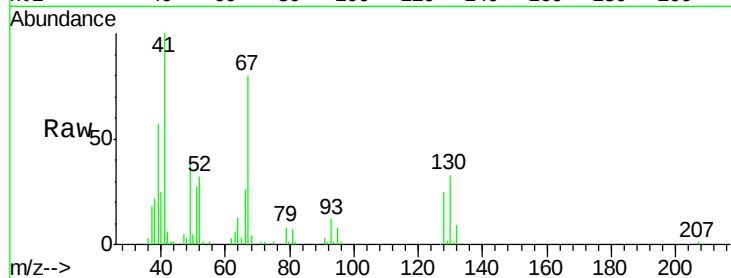
#41
Methacrylonitrile
Concen: 46.364 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.00 min
Lab File: VW006819.D
Acq: 12 Nov 2018 20:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
41	100		
39	55.3	48.1	72.1
67	87.4	61.4	92.2
52	35.0	23.2	34.8#

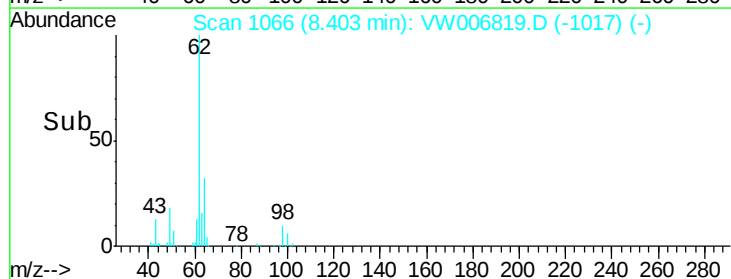
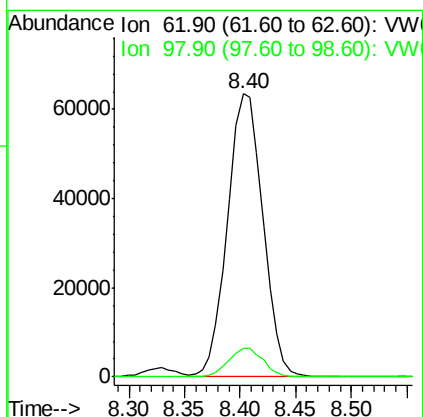
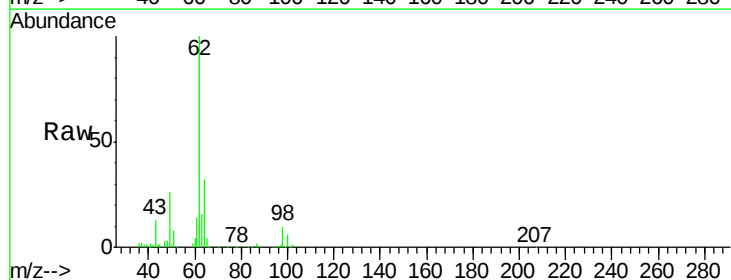
Manual Integrations
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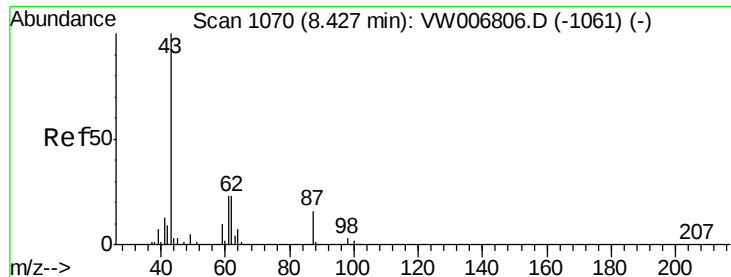
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#42
1,2-Dichloroethane
Concen: 48.585 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW006819.D
Acq: 12 Nov 2018 20:47

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	20.0





#43

Isopropyl Acetate

Concen: 51.875 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW006819.D

Acq: 12 Nov 2018 20:47

Instrument :

MSVOA_W

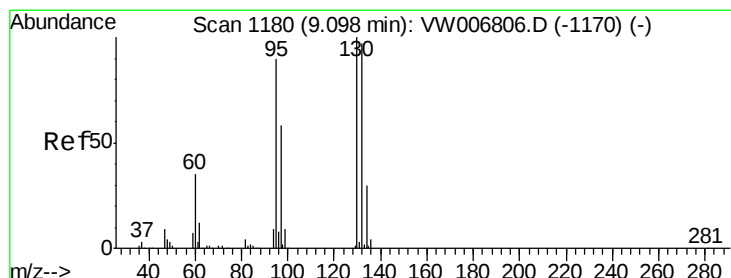
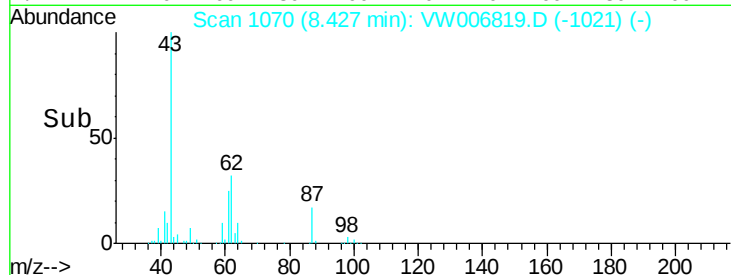
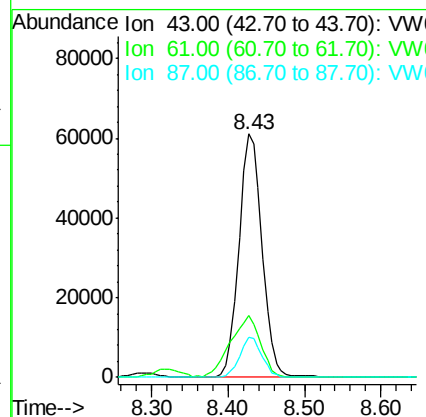
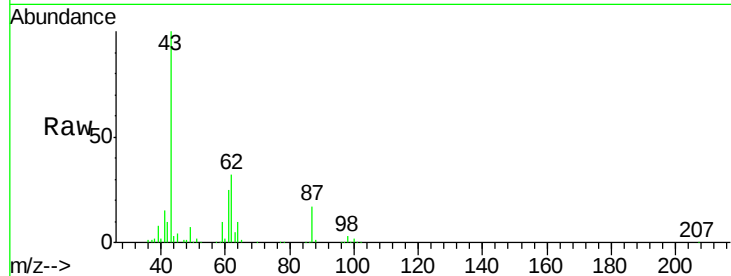
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	43	Resp:	128083
Ion Ratio		Lower	Upper
43	100		
61	32.9	27.0	40.4
87	15.8	13.0	19.4

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#44

Trichloroethene

Concen: 47.213 ug/l

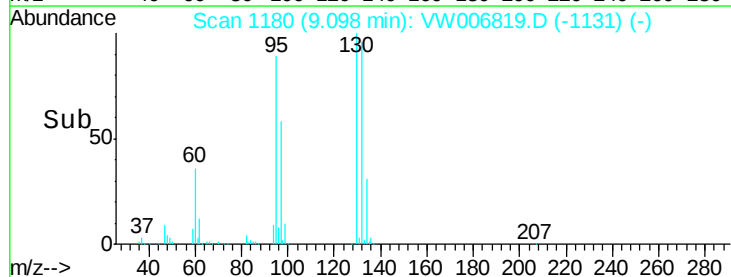
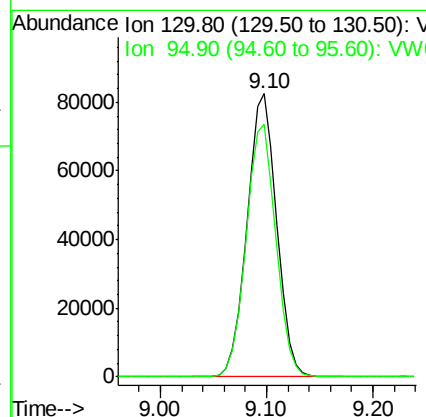
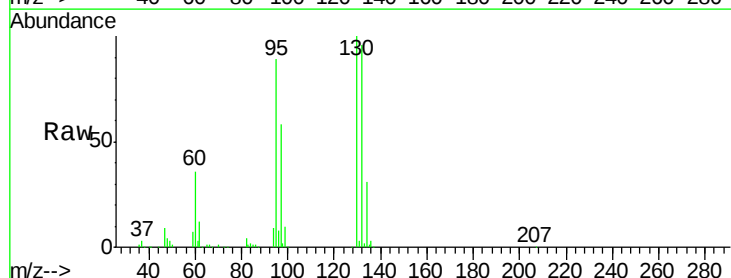
RT: 9.10 min Scan# 1180

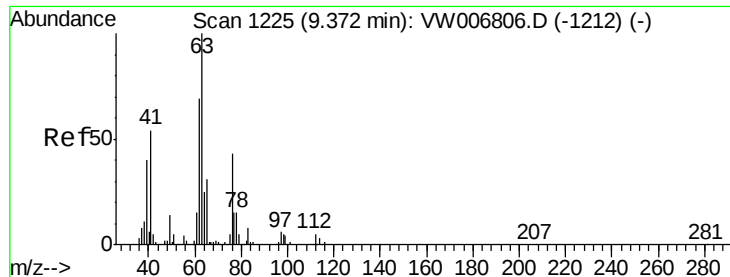
Delta R.T. 0.00 min

Lab File: VW006819.D

Acq: 12 Nov 2018 20:47

Tgt Ion:	130	Resp:	160828
Ion Ratio		Lower	Upper
130	100		
95	89.2	0.0	180.2





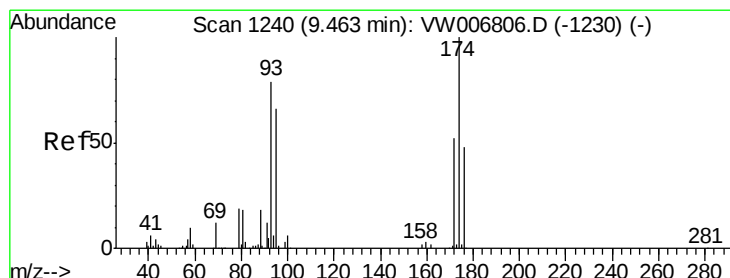
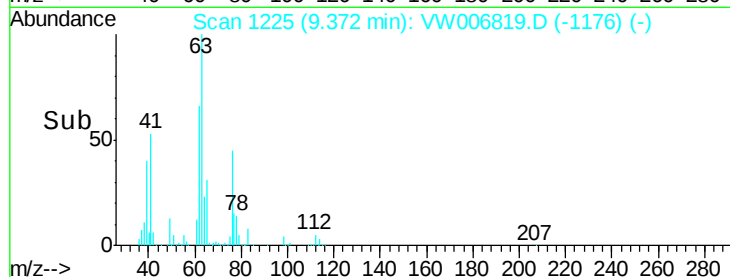
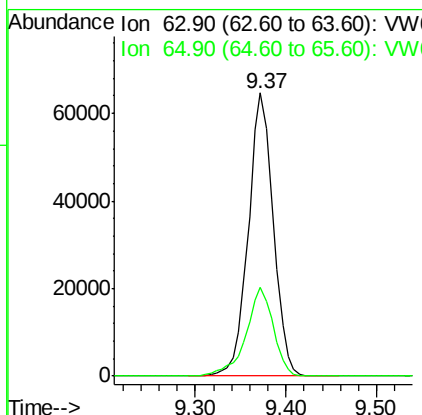
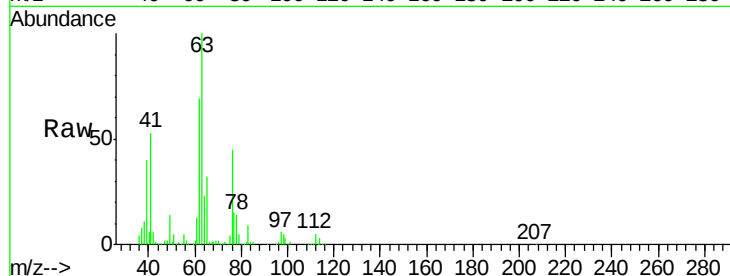
#45
 1,2-Dichloropropane
 Concen: 49.081 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW006819.D
 Acq: 12 Nov 2018 20:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
63	100		
65	31.6	24.4	36.6

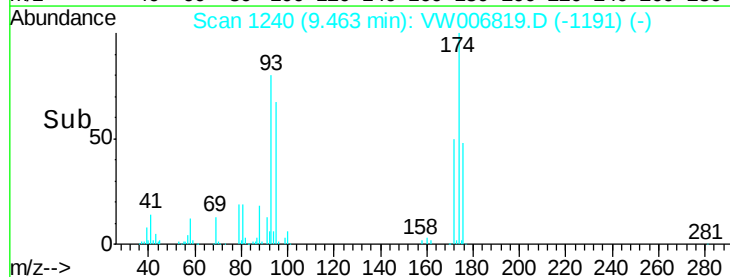
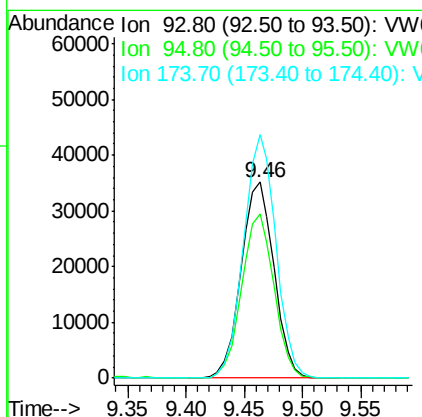
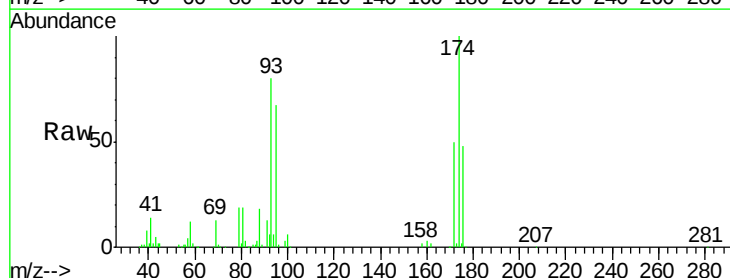
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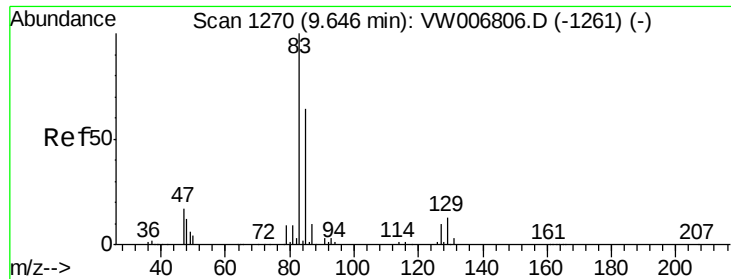
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#46
 Dibromomethane
 Concen: 49.496 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VW006819.D
 Acq: 12 Nov 2018 20:47

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.5	67.0	100.6
174	122.0	98.6	147.8





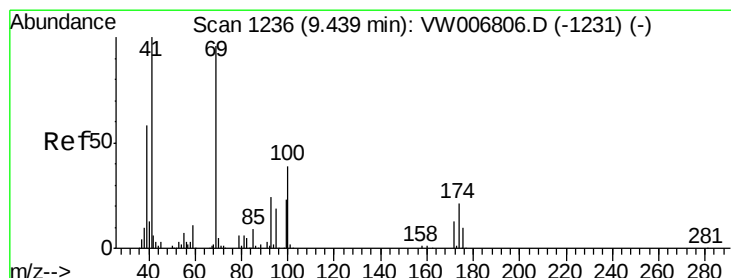
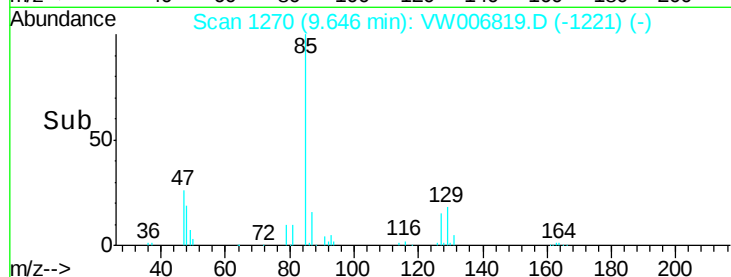
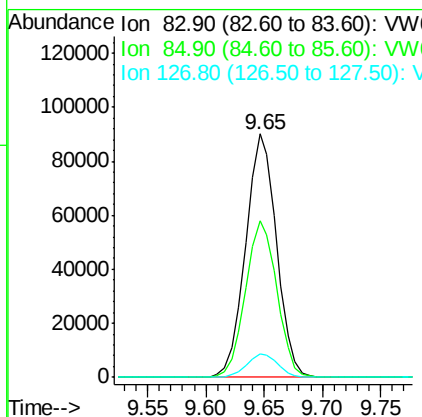
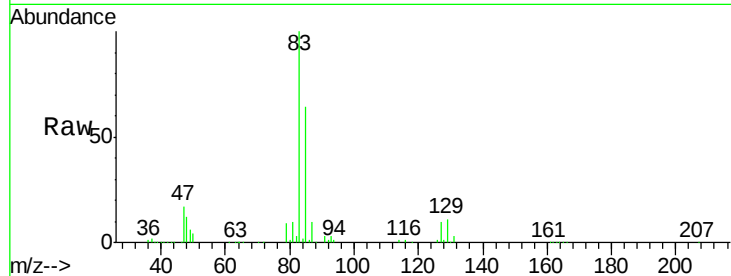
#47
Bromodichloromethane
Concen: 47.981 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VW006819.D
Acq: 12 Nov 2018 20:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	166686		
85	64.3	51.4	77.0	
127	9.5	7.6	11.4	

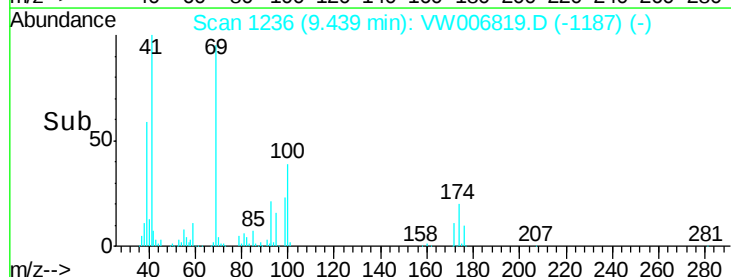
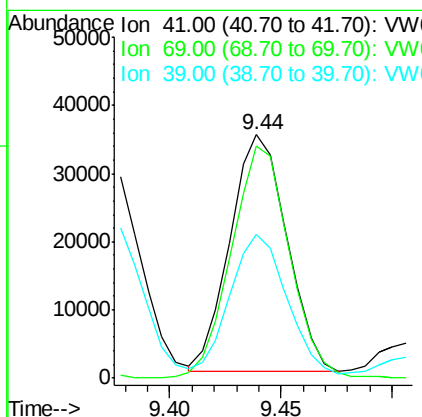
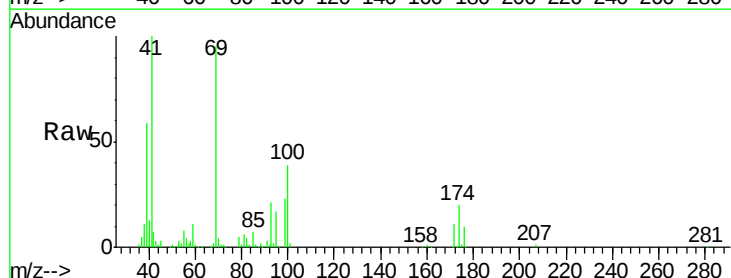
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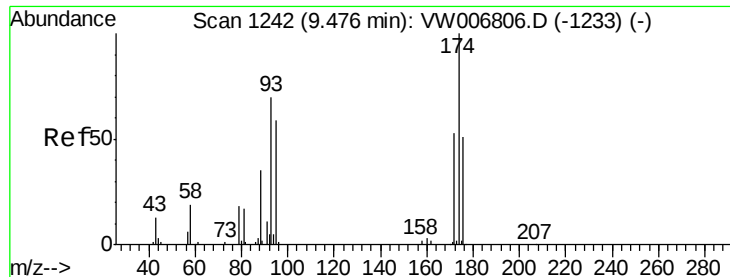
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#48
Methyl methacrylate
Concen: 50.640 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VW006819.D
Acq: 12 Nov 2018 20:47

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	61301		
69	101.1	79.8	119.6	
39	58.3	45.9	68.9	





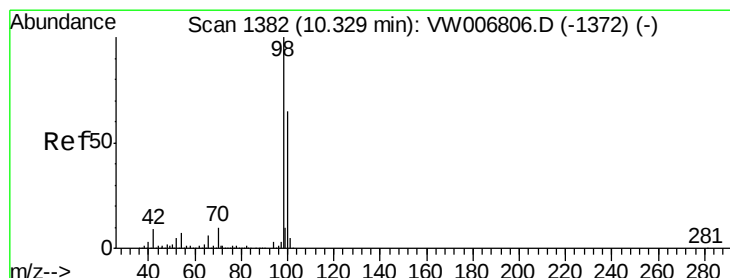
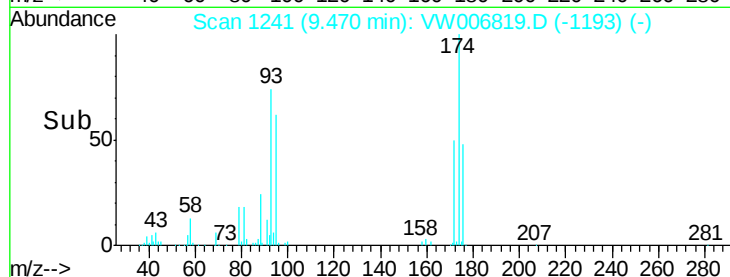
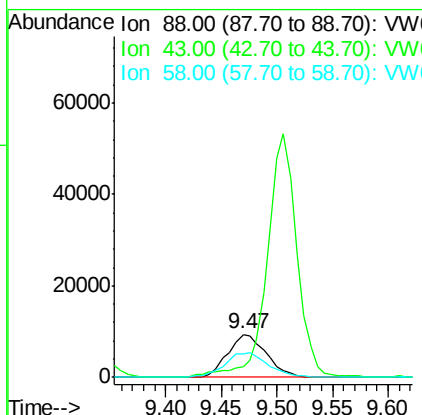
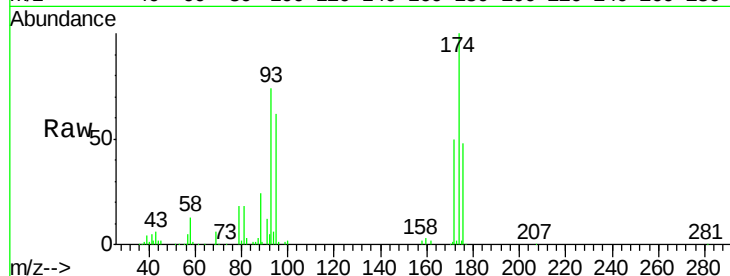
#49
1,4-Dioxane
Concen: 1078.334 ug/l
RT: 9.47 min Scan# 1241
Delta R.T. -0.01 min
Lab File: VW006819.D
Acq: 12 Nov 2018 20:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	22818		
43	0.0	0.0	0.0	0.0
58	64.2	50.6	75.8	

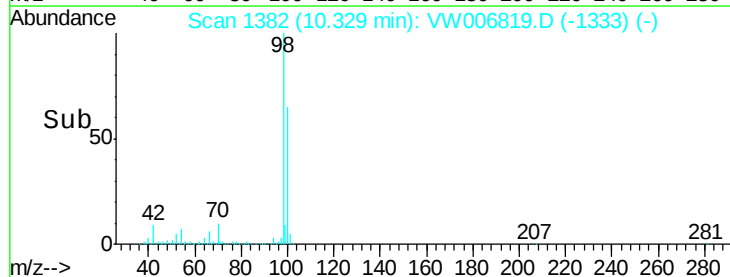
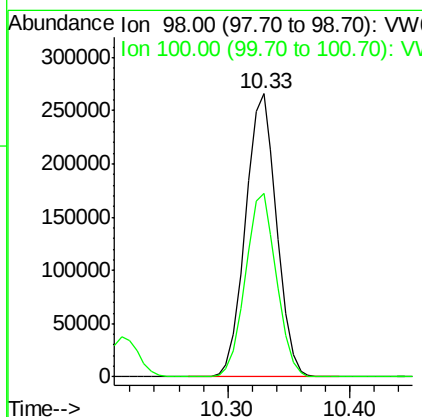
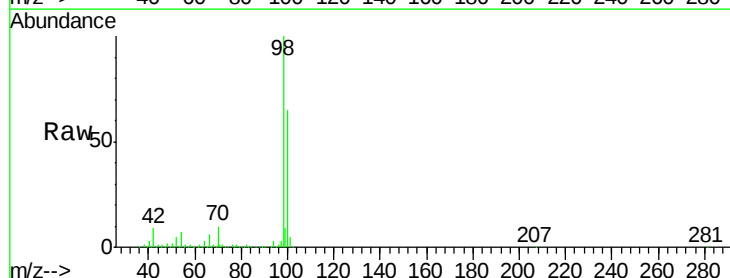
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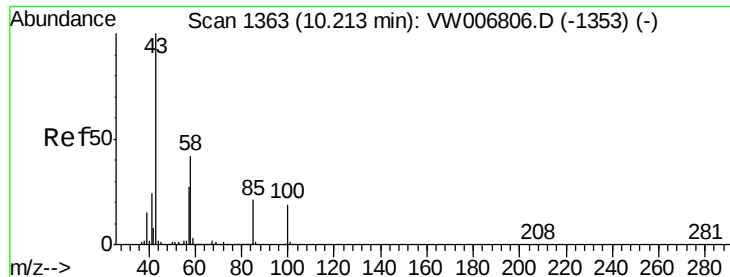
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#50
Toluene-d8
Concen: 45.874 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VW006819.D
Acq: 12 Nov 2018 20:47

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	469735		
100	64.5	51.4	77.2	





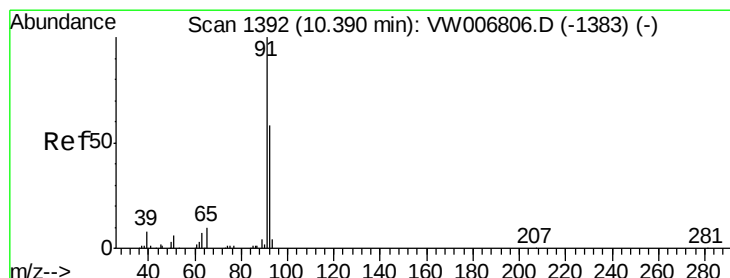
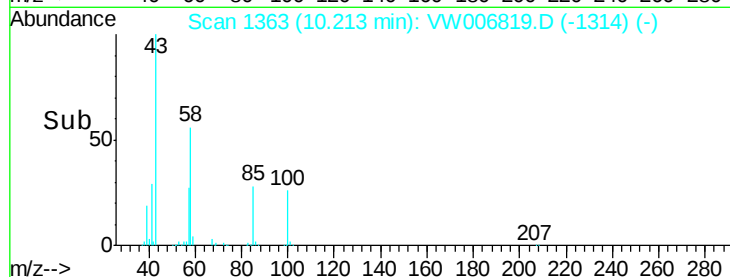
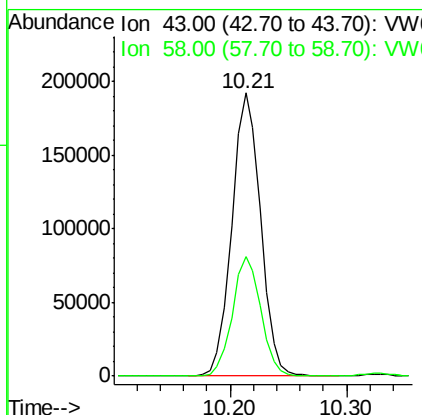
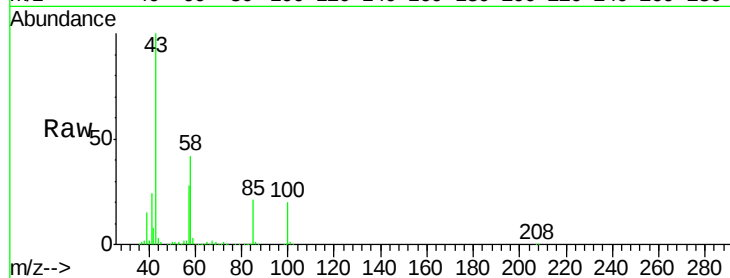
#51
4-Methyl-2-Pentanone
Concen: 266.709 ug/l
RT: 10.21 min Scan# 1363
Delta R.T. 0.00 min
Lab File: VW006819.D
Acq: 12 Nov 2018 20:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 330199
Ion Ratio Lower Upper
43 100
58 42.0 34.0 51.0

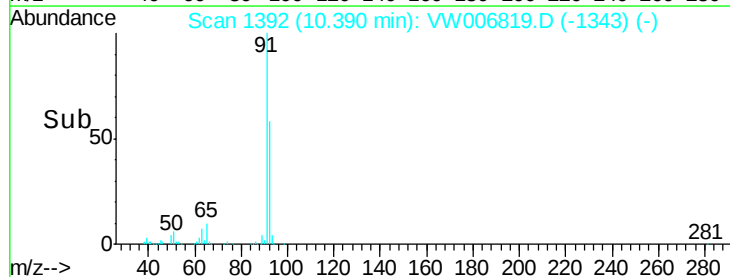
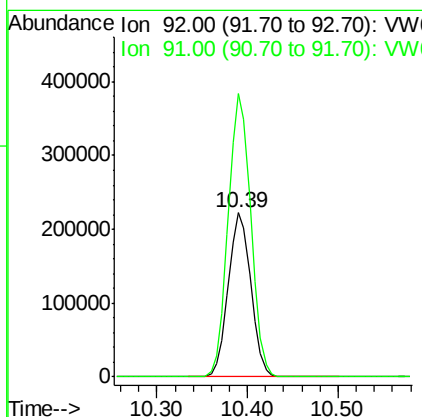
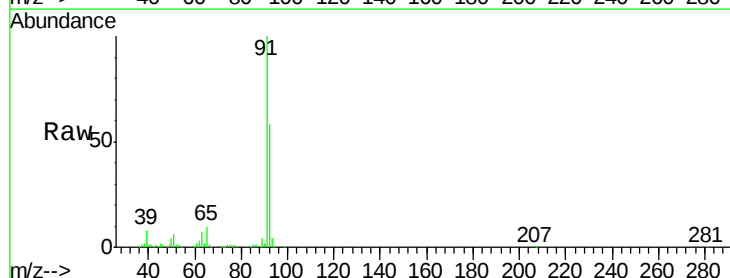
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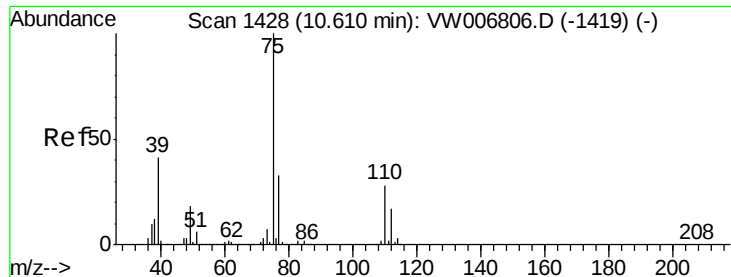
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#52
Toluene
Concen: 50.188 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. 0.00 min
Lab File: VW006819.D
Acq: 12 Nov 2018 20:47

Tgt Ion: 92 Resp: 384116
Ion Ratio Lower Upper
92 100
91 173.2 139.4 209.2





#53

t-1,3-Dichloropropene

Concen: 49.889 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW006819.D

Acq: 12 Nov 2018 20:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 75 Resp: 170621

Ion Ratio Lower Upper

75 100

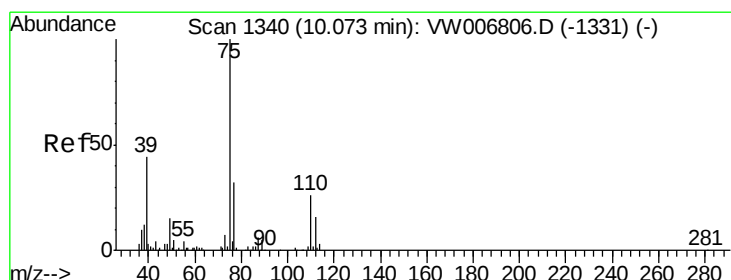
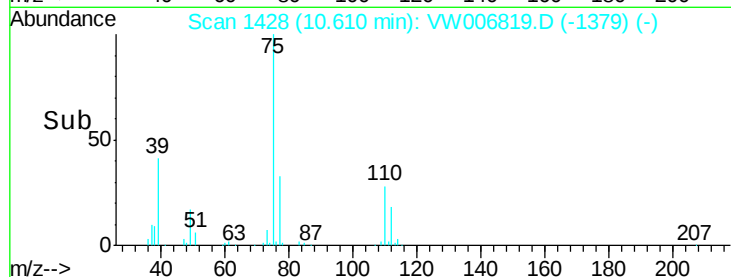
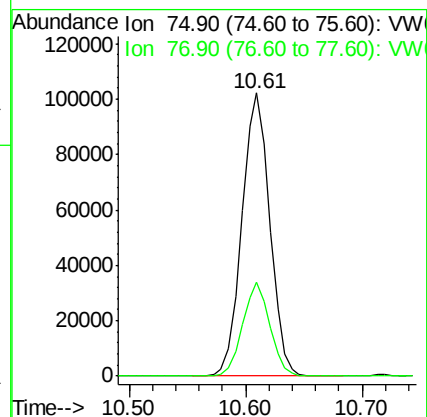
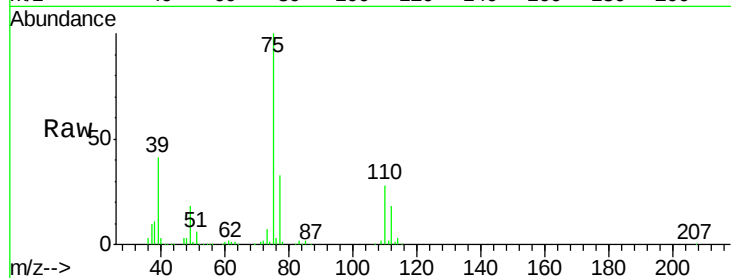
77 33.4 26.3 39.5

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 49.855 ug/l

RT: 10.08 min Scan# 1341

Delta R.T. 0.01 min

Lab File: VW006819.D

Acq: 12 Nov 2018 20:47

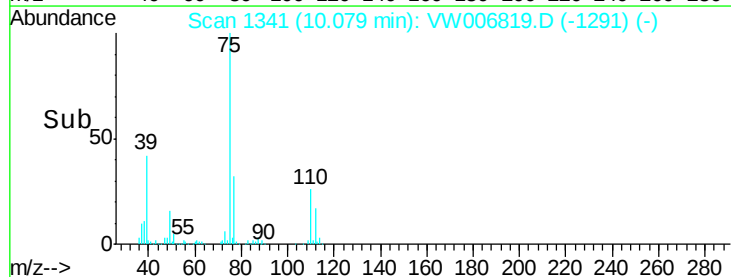
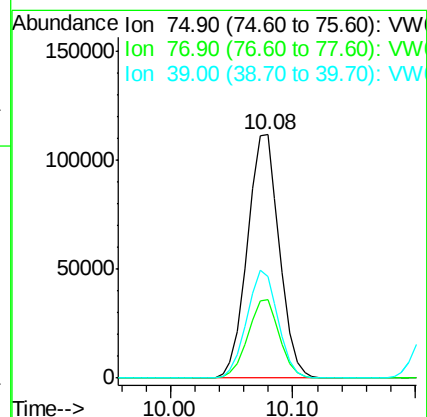
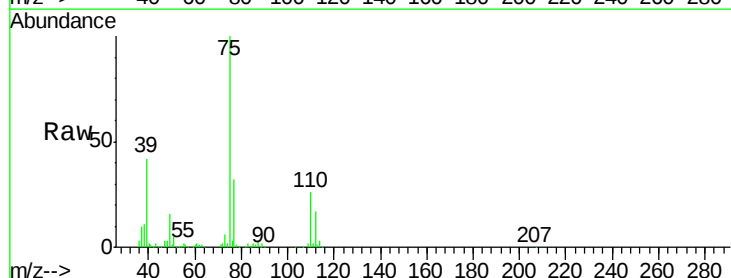
Tgt Ion: 75 Resp: 202181

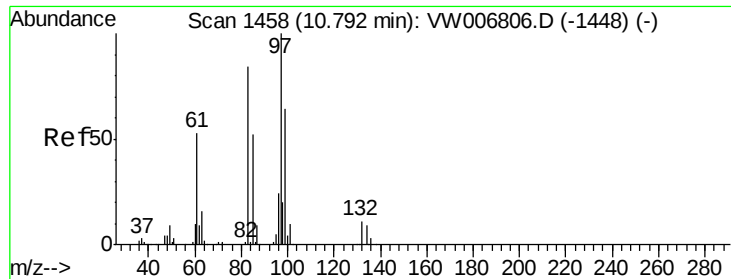
Ion Ratio Lower Upper

75 100

77 32.0 25.2 37.8

39 41.9 35.3 52.9





#55

1,1,2-Trichloroethane

Concen: 49.976 ug/l

RT: 10.79 min Scan# 1458

Delta R.T. 0.00 min

Lab File: VW006819.D

Acq: 12 Nov 2018 20:47

Instrument :

MSVOA_W

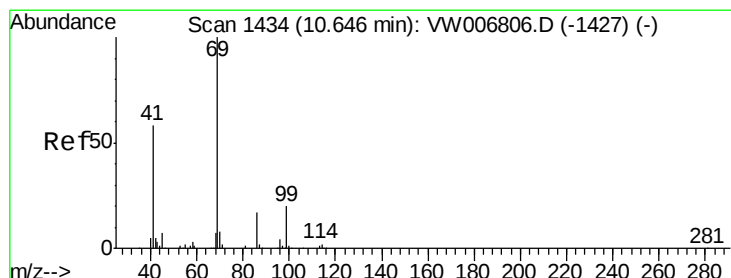
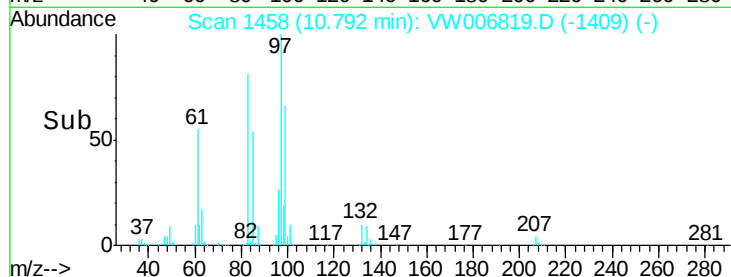
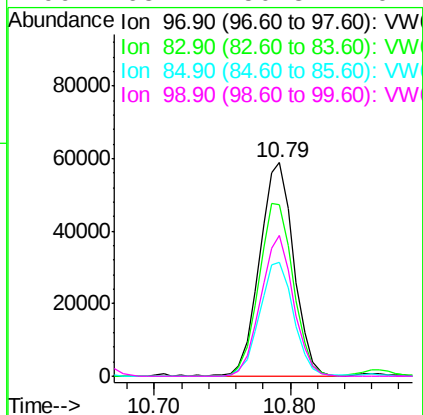
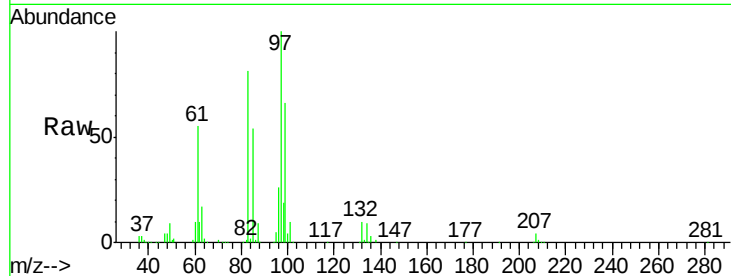
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	97	Resp:	103867
Ion	Ratio	Lower	Upper
97	100		
83	80.5	67.0	100.4
85	53.6	41.7	62.5
99	65.7	50.8	76.2

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#56

Ethyl methacrylate

Concen: 54.990 ug/l

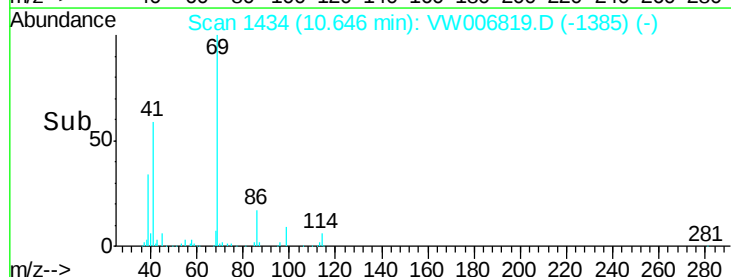
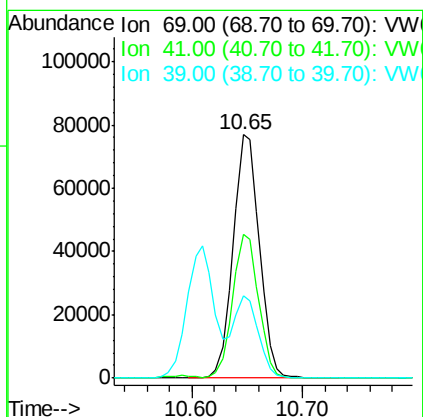
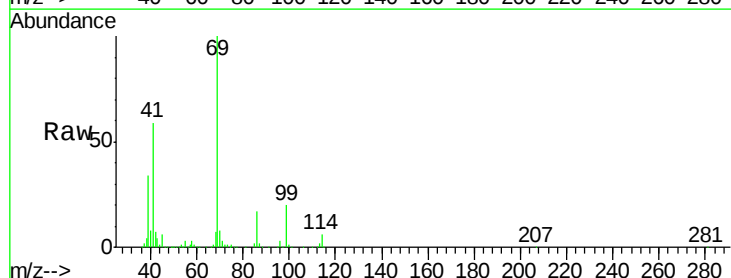
RT: 10.65 min Scan# 1434

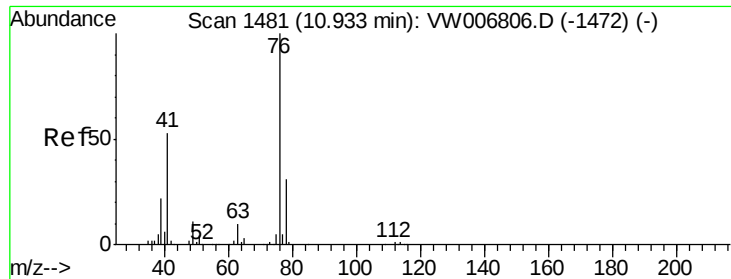
Delta R.T. 0.00 min

Lab File: VW006819.D

Acq: 12 Nov 2018 20:47

Tgt Ion:	69	Resp:	125252
Ion	Ratio	Lower	Upper
69	100		
41	58.2	47.0	70.4
39	33.1	23.1	34.7





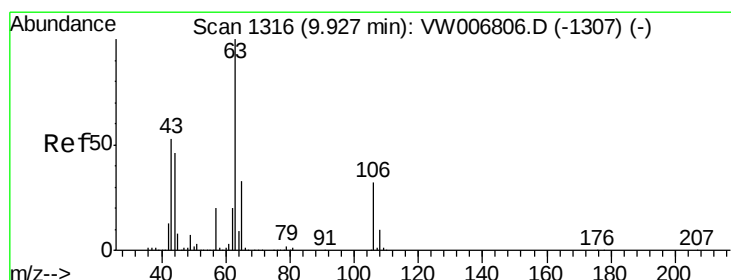
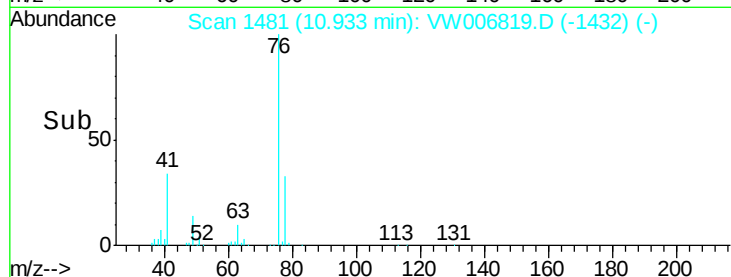
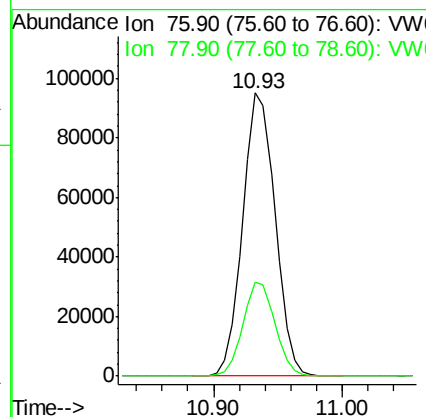
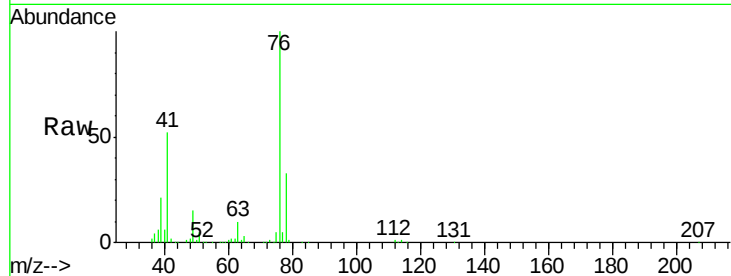
#57
 1,3-Dichloropropane
 Concen: 50.319 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW006819.D
 Acq: 12 Nov 2018 20:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 76 Resp: 165621
 Ion Ratio Lower Upper
 76 100
 78 32.7 26.2 39.2

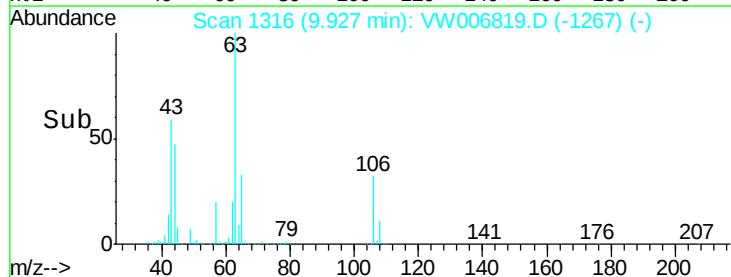
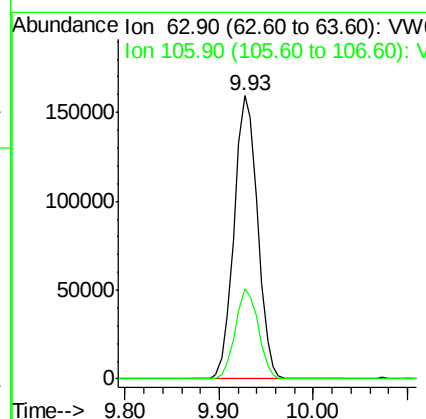
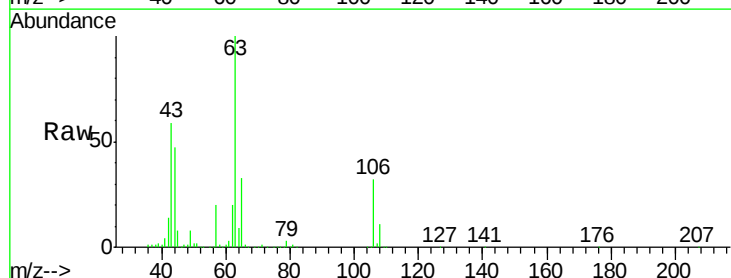
Manual Integrations
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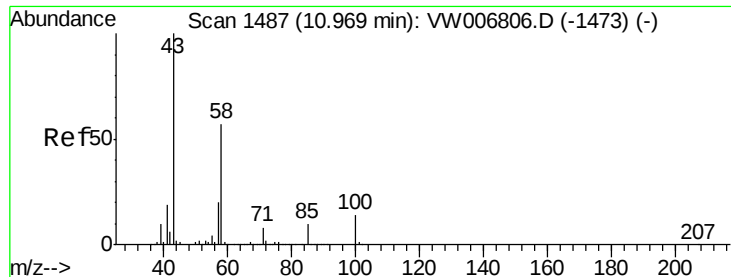
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 11/13/2018 3:56:00 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 242.124 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW006819.D
 Acq: 12 Nov 2018 20:47

Tgt Ion: 63 Resp: 276210
 Ion Ratio Lower Upper
 63 100
 106 31.4 25.4 38.0





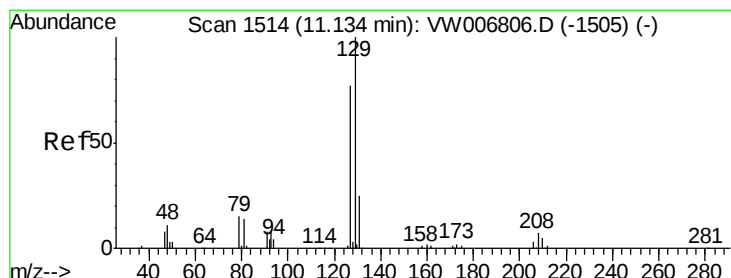
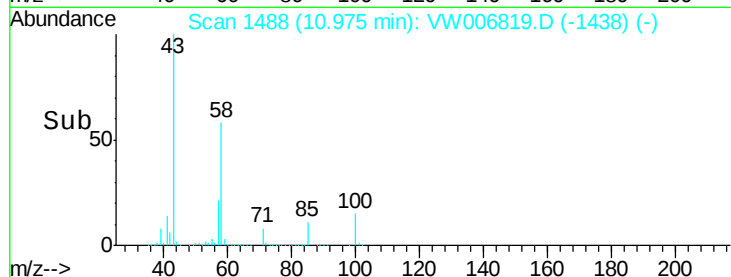
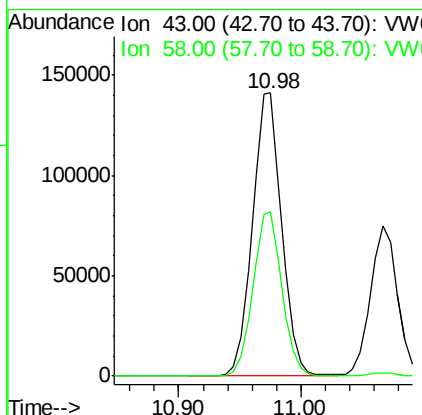
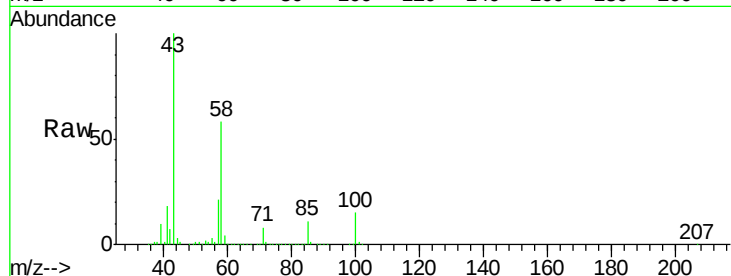
#59
2-Hexanone
Concen: 275.377 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. 0.01 min
Lab File: VW006819.D
Acq: 12 Nov 2018 20:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 235161
Ion Ratio Lower Upper
43 100
58 57.3 28.7 86.1

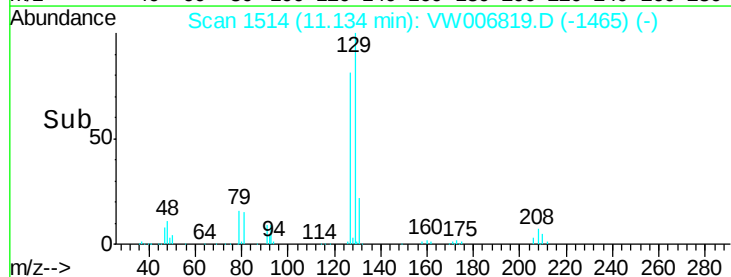
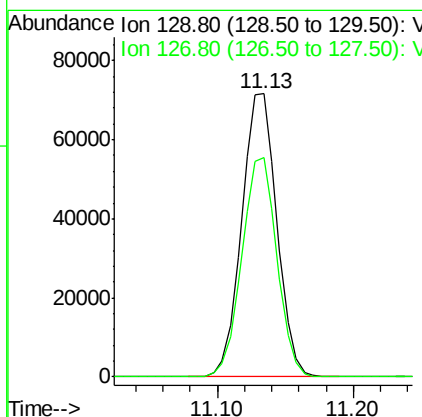
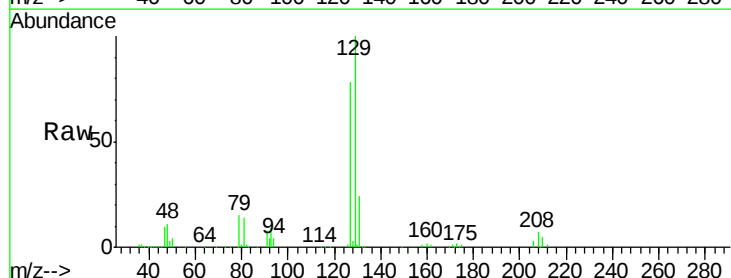
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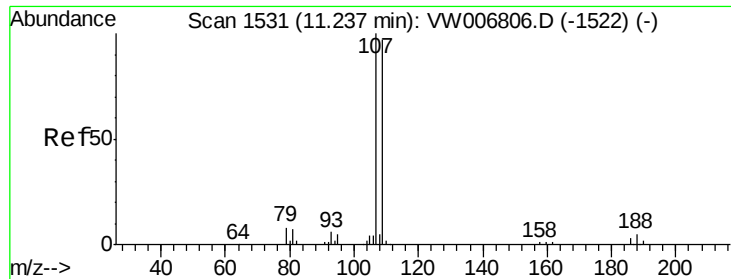
apatel
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#60
Dibromochloromethane
Concen: 50.940 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VW006819.D
Acq: 12 Nov 2018 20:47

Tgt Ion: 129 Resp: 129548
Ion Ratio Lower Upper
129 100
127 77.1 38.7 116.1





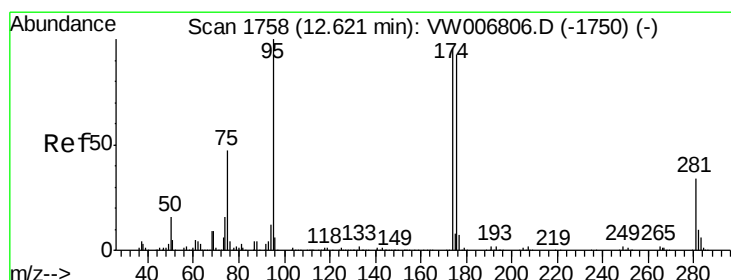
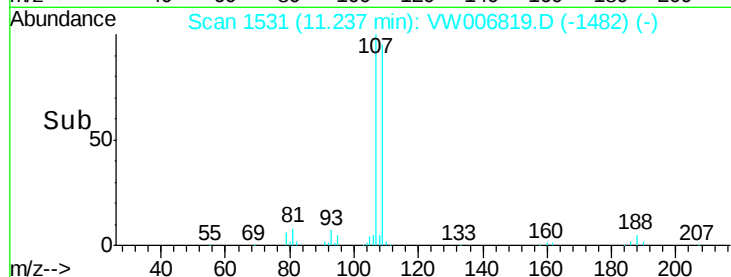
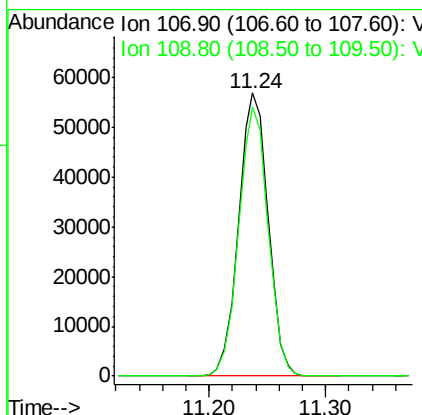
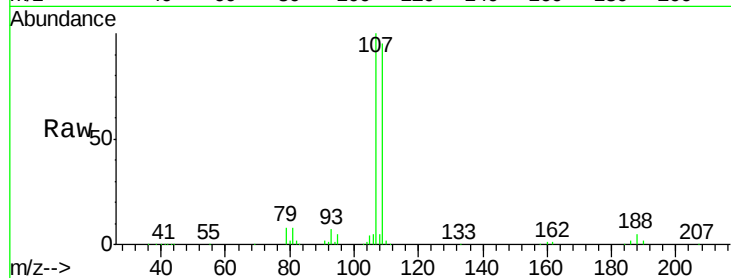
#61
1,2-Dibromoethane
Concen: 50.984 ug/l
RT: 11.24 min Scan# 1531
Delta R.T. 0.00 min
Lab File: VW006819.D
Acq: 12 Nov 2018 20:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 107 Resp: 100635
Ion Ratio Lower Upper
107 100
109 94.5 76.7 115.1

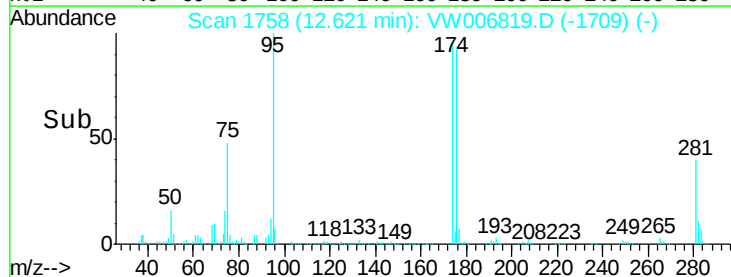
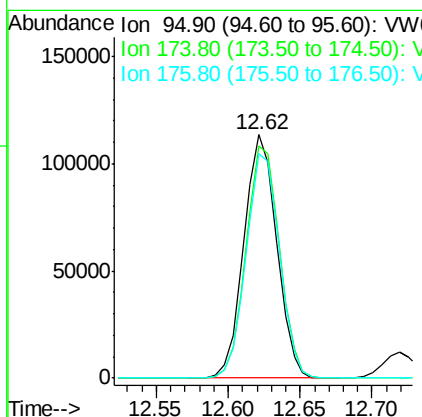
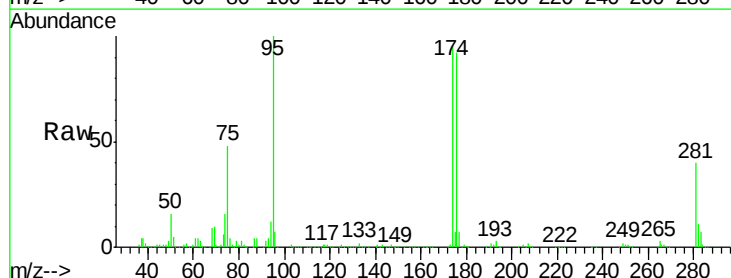
Manual Integrations
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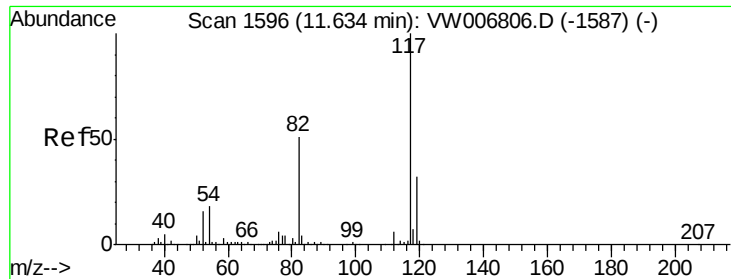
apatel
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#62
4-Bromofluorobenzene
Concen: 47.311 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW006819.D
Acq: 12 Nov 2018 20:47

Tgt Ion: 95 Resp: 178430
Ion Ratio Lower Upper
95 100
174 97.1 0.0 196.6
176 93.7 0.0 191.6





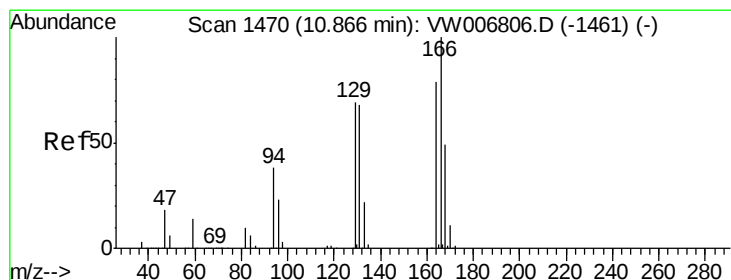
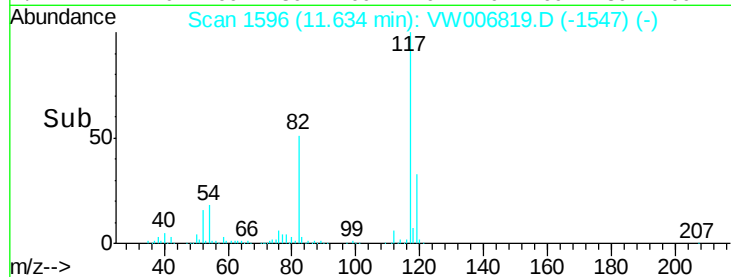
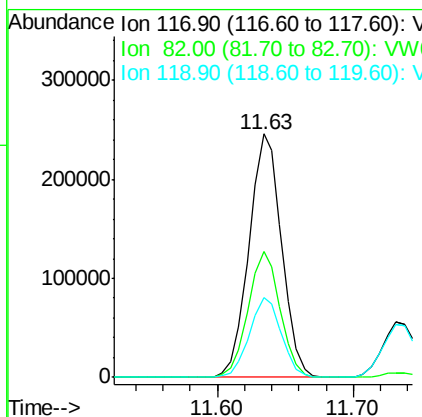
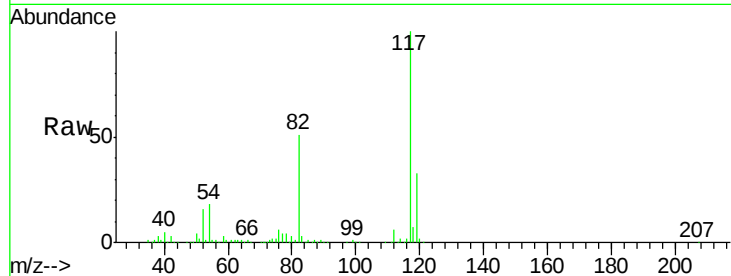
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006819.D
Acq: 12 Nov 2018 20:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
117	100		
82	51.5	40.6	61.0
119	32.7	25.5	38.3

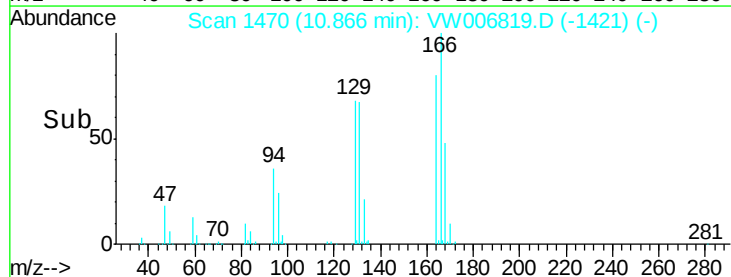
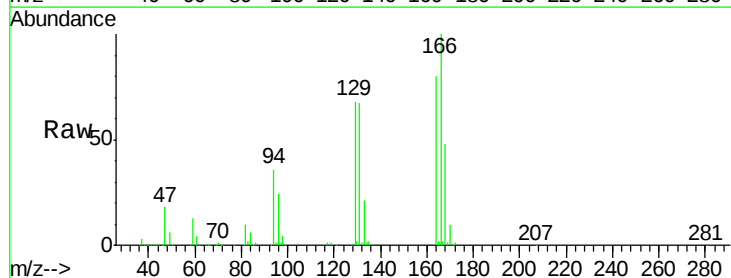
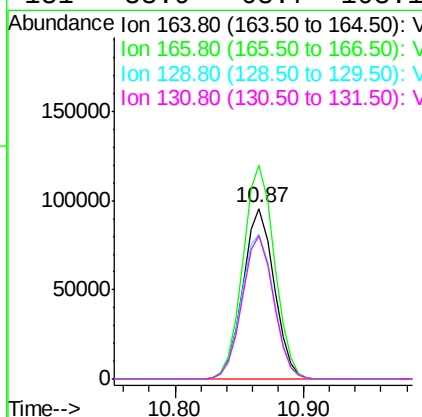
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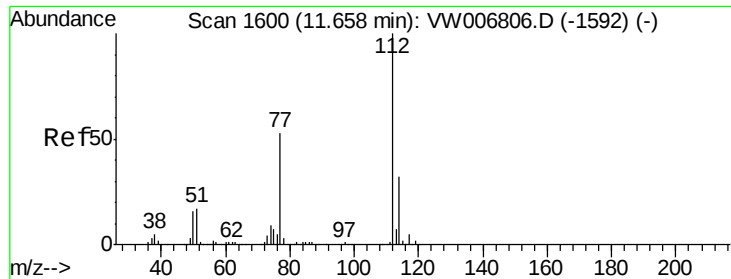
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#64
Tetrachloroethene
Concen: 48.188 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW006819.D
Acq: 12 Nov 2018 20:47

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.3	101.3	151.9
129	84.8	69.6	104.4
131	83.9	68.7	103.1





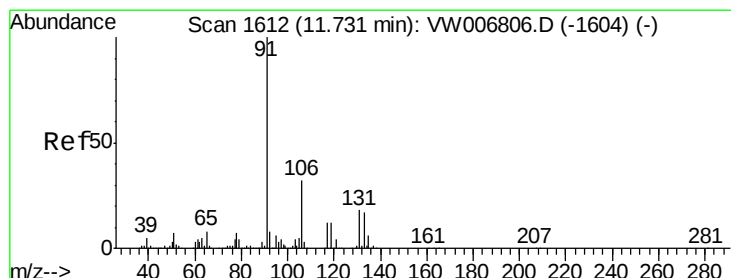
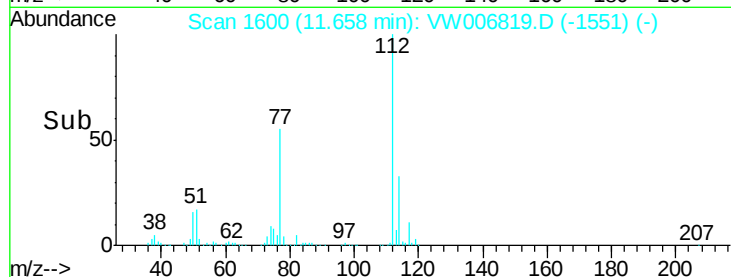
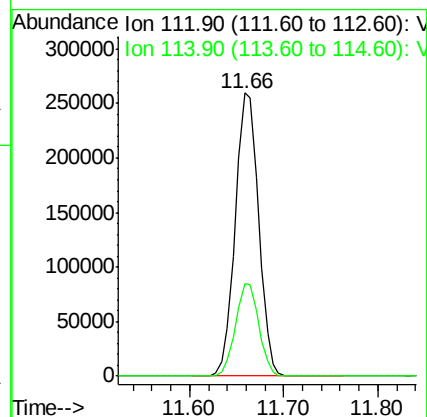
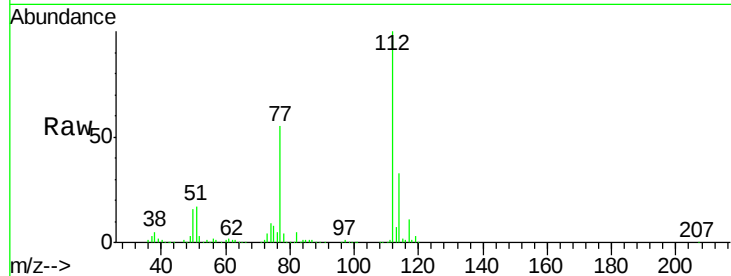
#65
Chlorobenzene
Concen: 48.807 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW006819.D
Acq: 12 Nov 2018 20:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:112 Resp: 446625
Ion Ratio Lower Upper
112 100
114 32.6 26.0 39.0

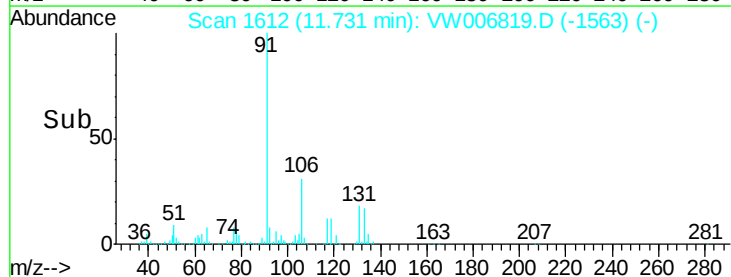
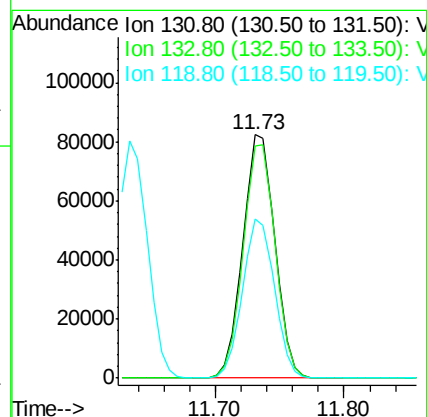
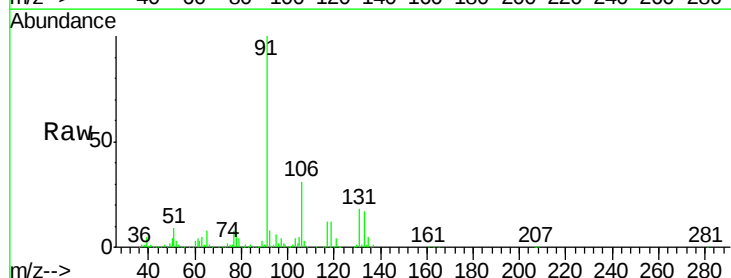
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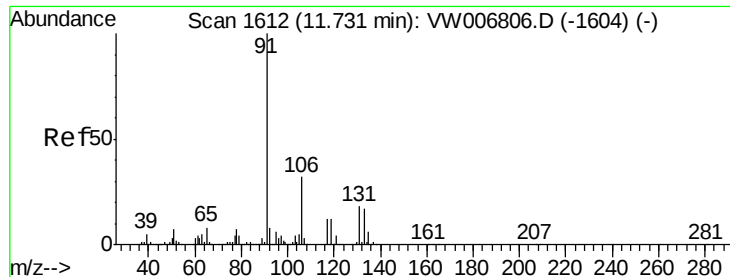
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#66
1,1,1,2-Tetrachloroethane
Concen: 47.703 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW006819.D
Acq: 12 Nov 2018 20:47

Tgt Ion:131 Resp: 141645
Ion Ratio Lower Upper
131 100
133 96.0 47.9 143.8
119 65.2 32.4 97.2





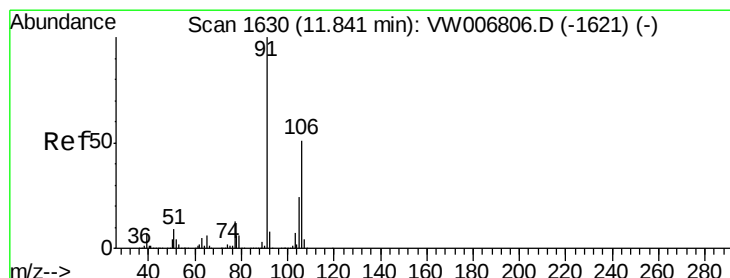
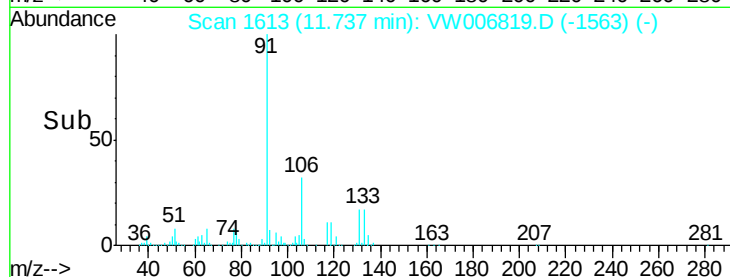
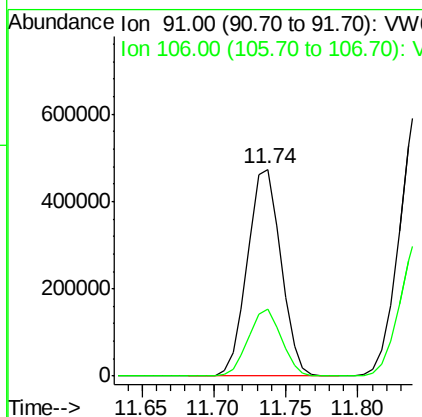
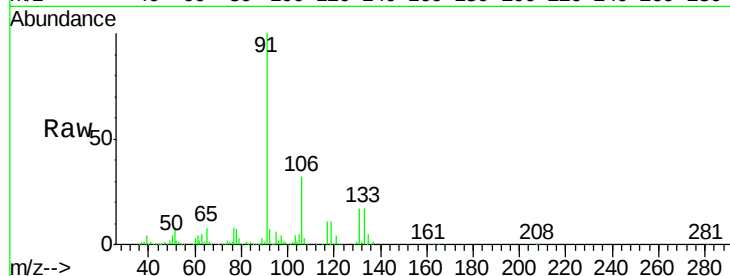
#67
Ethyl Benzene
Concen: 49.022 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.01 min
Lab File: VW006819.D
Acq: 12 Nov 2018 20:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 764751
Ion Ratio Lower Upper
91 100
106 32.3 25.4 38.0

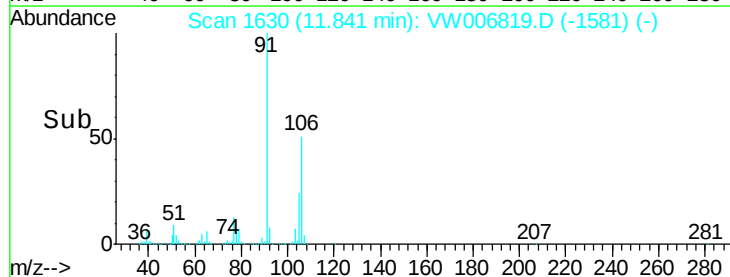
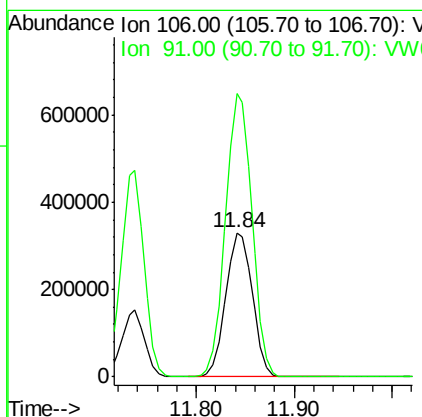
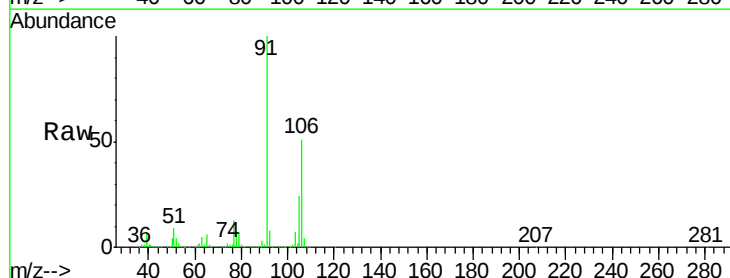
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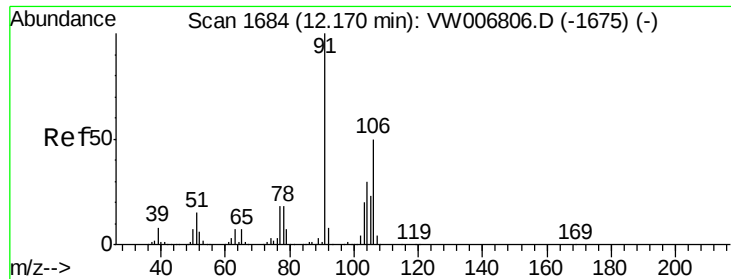
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#68
m/p-Xylenes
Concen: 97.606 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW006819.D
Acq: 12 Nov 2018 20:47

Tgt Ion: 106 Resp: 623006
Ion Ratio Lower Upper
106 100
91 194.9 155.7 233.5





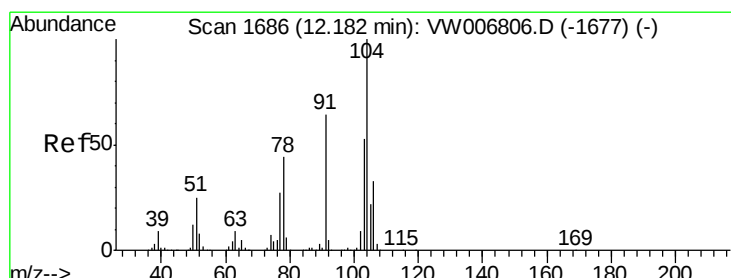
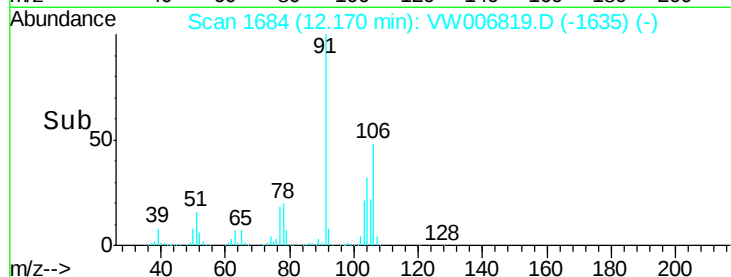
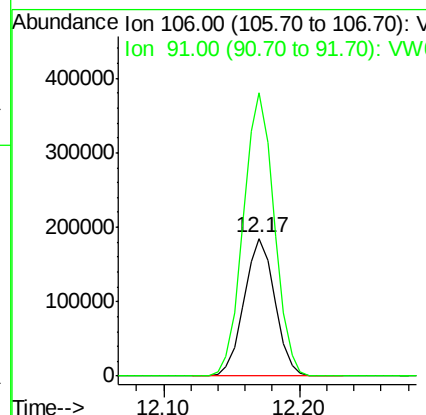
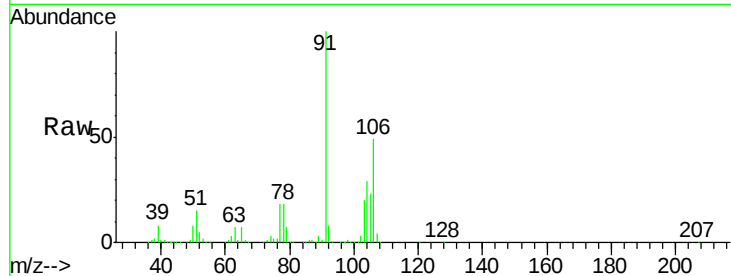
#69
o-Xylene
Concen: 49.233 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW006819.D
Acq: 12 Nov 2018 20:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 292464
Ion Ratio Lower Upper
106 100
91 206.4 101.9 305.7

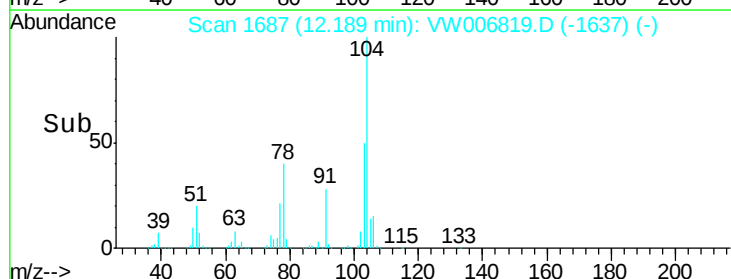
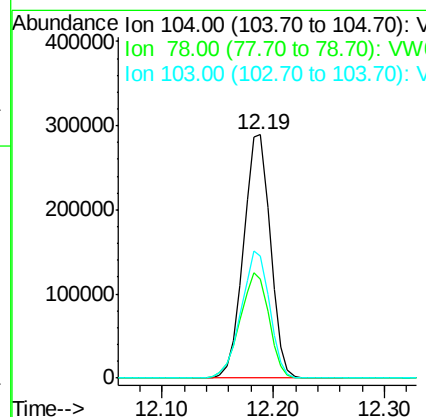
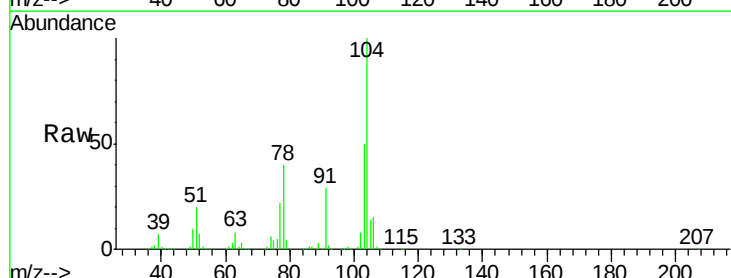
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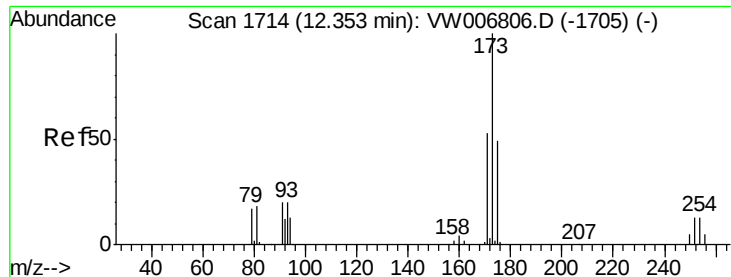
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#70
Styrene
Concen: 50.770 ug/l
RT: 12.19 min Scan# 1687
Delta R.T. 0.01 min
Lab File: VW006819.D
Acq: 12 Nov 2018 20:47

Tgt Ion:104 Resp: 482724
Ion Ratio Lower Upper
104 100
78 46.5 37.3 55.9
103 55.1 44.6 66.8





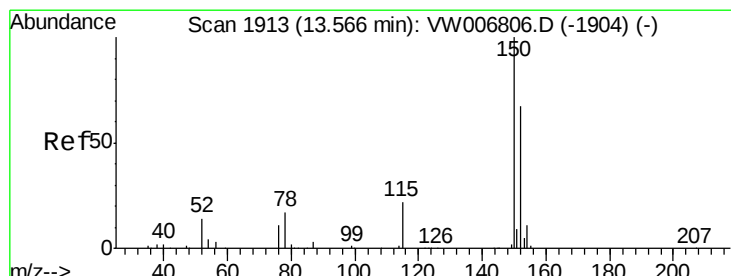
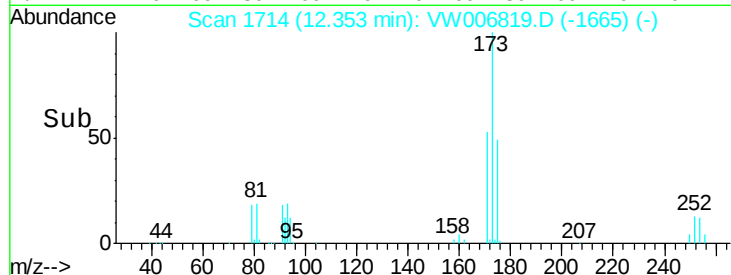
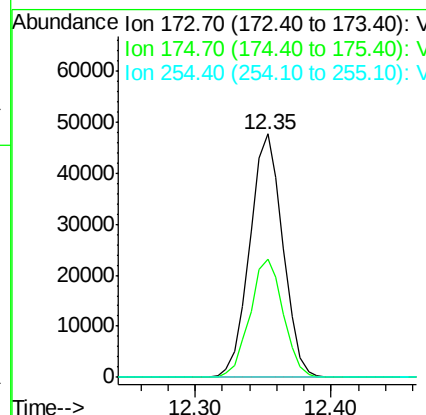
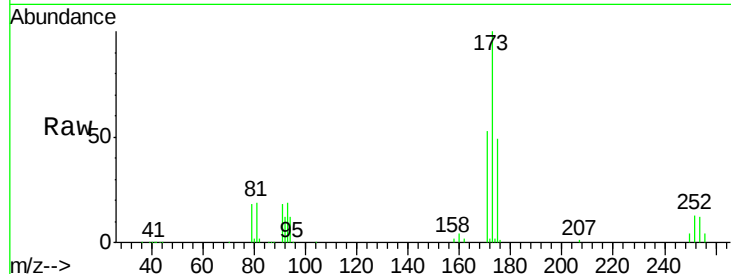
#71
Bromoform
Concen: 50.080 ug/l
RT: 12.35 min Scan# 1714
Delta R.T. 0.00 min
Lab File: VW006819.D
Acq: 12 Nov 2018 20:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.4	73.4
254	0.0	0.1	0.1

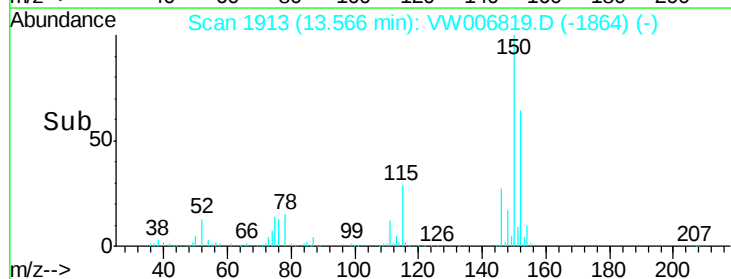
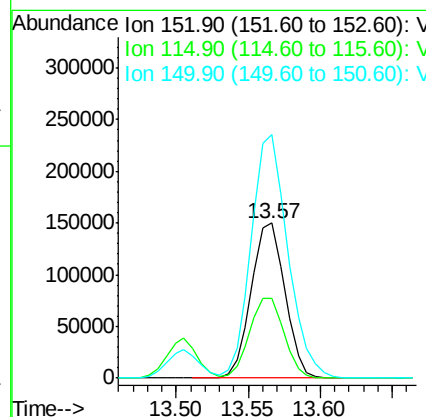
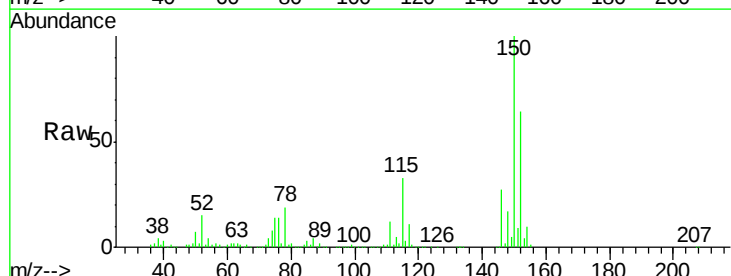
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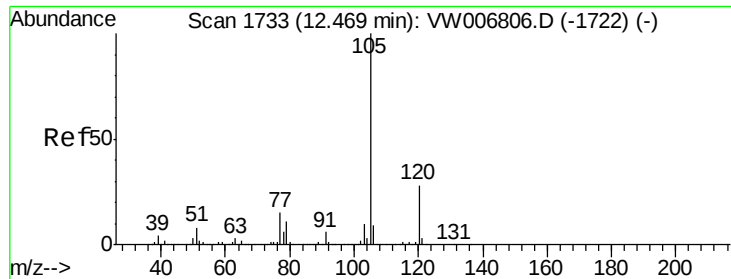
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. 0.00 min
Lab File: VW006819.D
Acq: 12 Nov 2018 20:47

Tgt Ion	Ratio	Lower	Upper
152	100		
115	52.9	27.3	81.8
150	171.1	0.0	353.0





#73

Isopropylbenzene

Concen: 47.666 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW006819.D

Acq: 12 Nov 2018 20:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 105 Resp: 801471

Ion Ratio Lower Upper

105 100

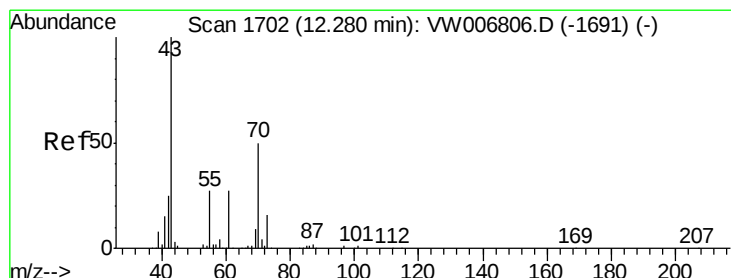
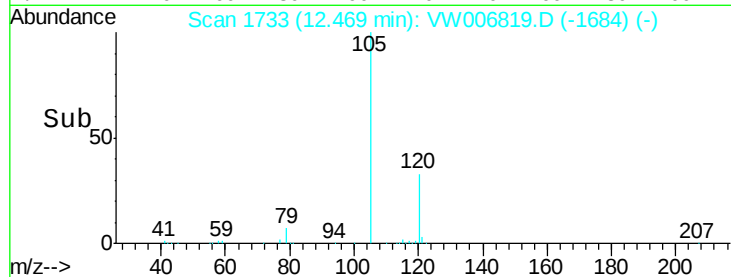
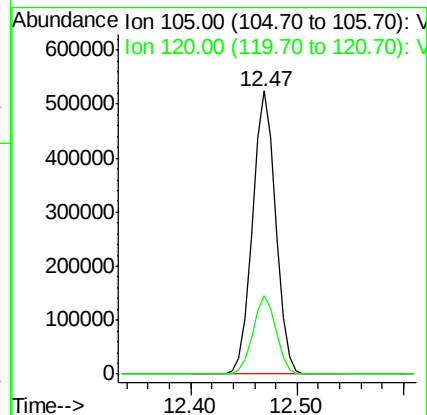
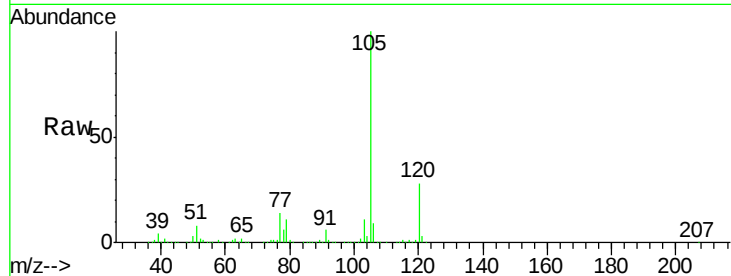
120 27.6 14.0 42.0

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#74

N-ethyl acetate

Concen: 52.203 ug/l

RT: 12.28 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VW006819.D

Acq: 12 Nov 2018 20:47

Tgt Ion: 43 Resp: 132719

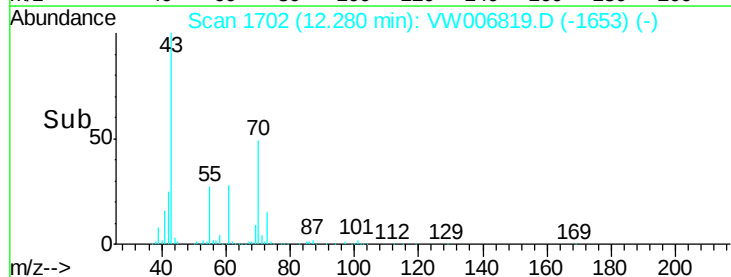
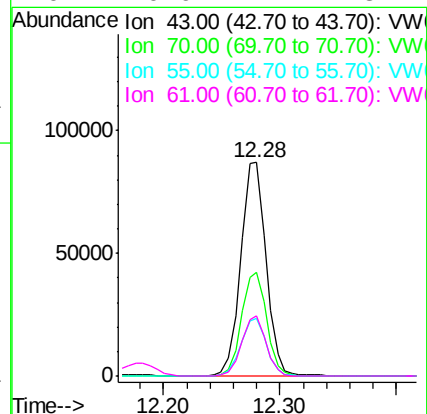
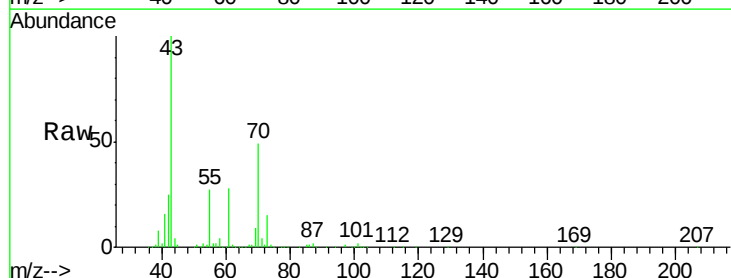
Ion Ratio Lower Upper

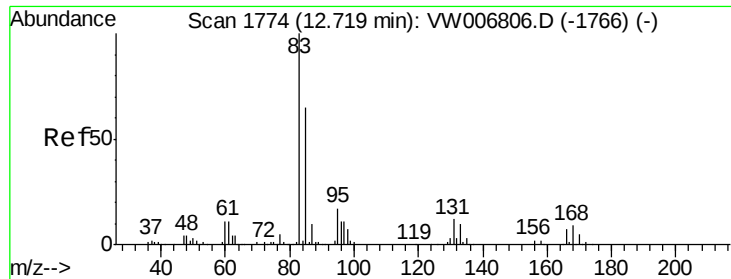
43 100

70 48.1 39.0 58.4

55 27.3 22.1 33.1

61 26.9 21.1 31.7





#75

1,1,2,2-Tetrachloroethane

Concen: 50.042 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW006819.D

Acq: 12 Nov 2018 20:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 83 Resp: 116397
Ion Ratio Lower Upper

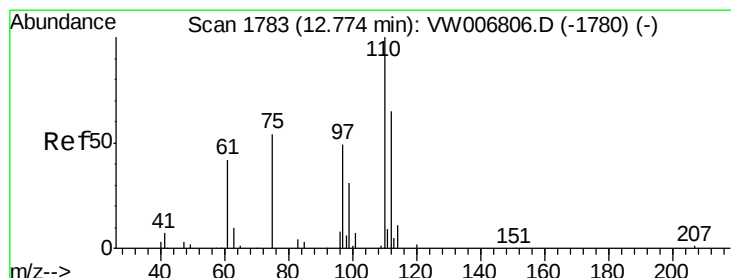
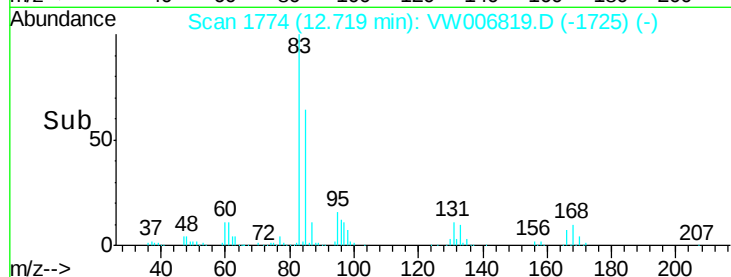
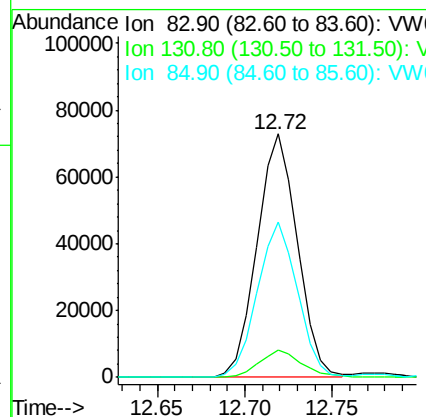
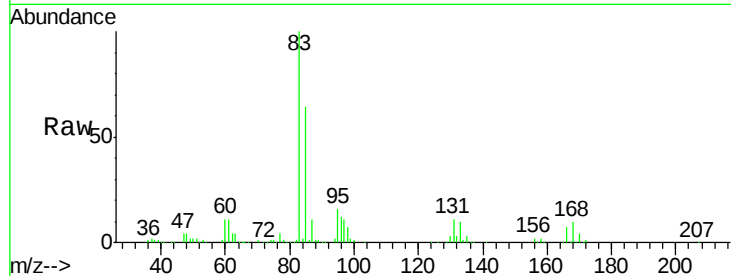
83 100

131 12.0 6.1 18.3

85 63.7 32.4 97.0

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#76

1,2,3-Trichloropropane

Concen: 52.086 ug/l m

RT: 12.77 min Scan# 1783

Delta R.T. 0.00 min

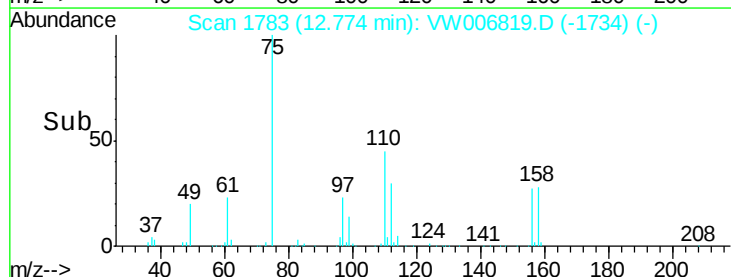
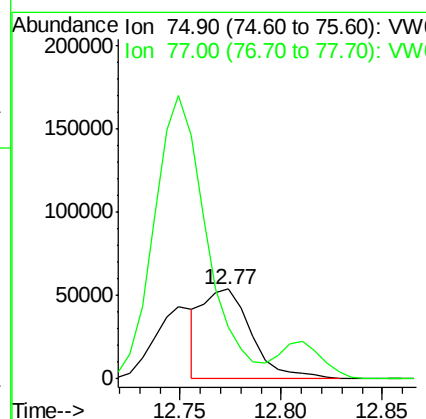
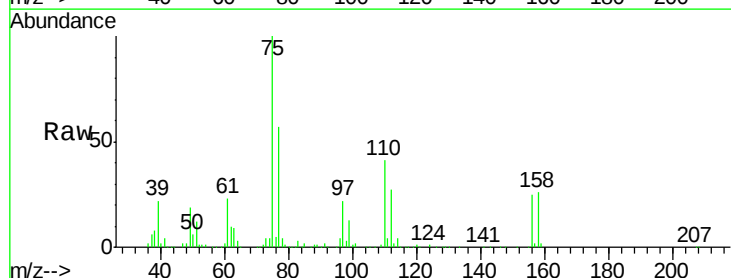
Lab File: VW006819.D

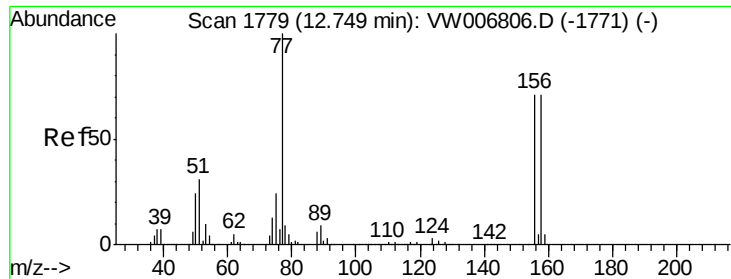
Acq: 12 Nov 2018 20:47

Tgt Ion: 75 Resp: 90926
Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 48.284 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW006819.D

Acq: 12 Nov 2018 20:47

Instrument :

MSVOA_W

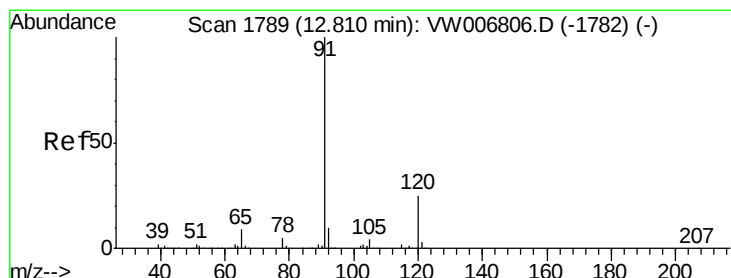
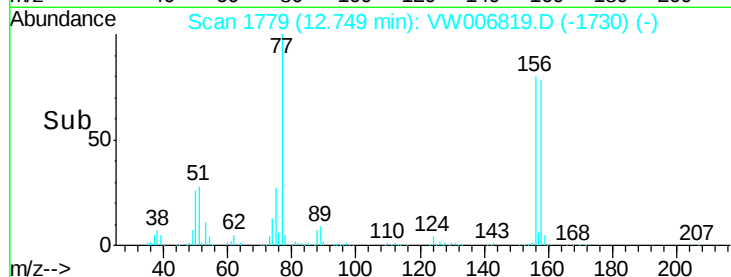
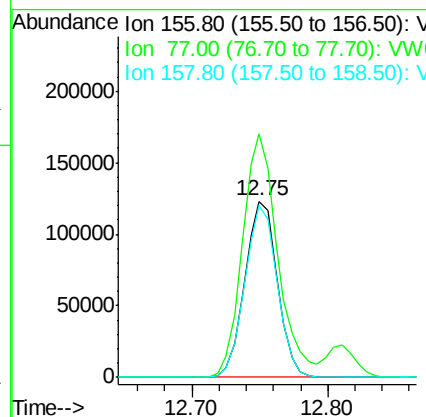
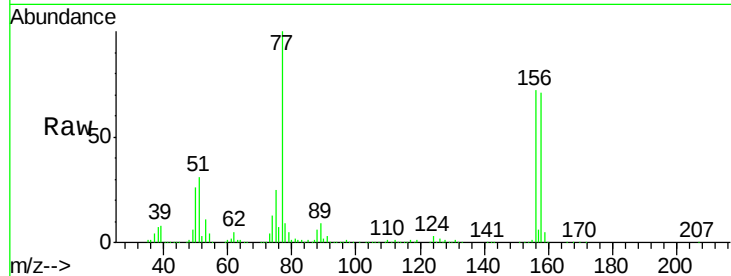
ClientSampleId :

VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
156	100		
77	150.5	75.3	225.7
158	97.2	49.2	147.6

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#78

n-propylbenzene

Concen: 47.311 ug/l

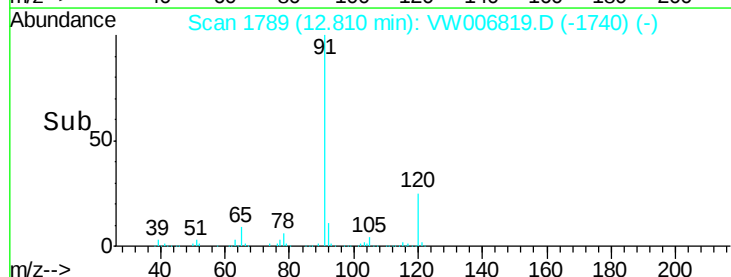
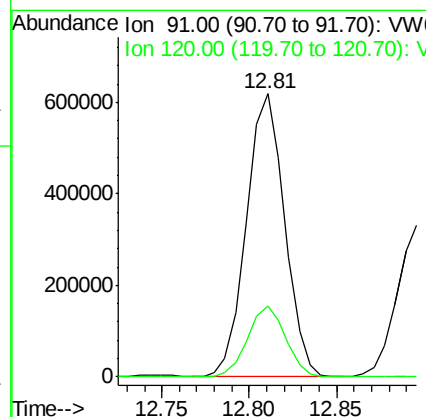
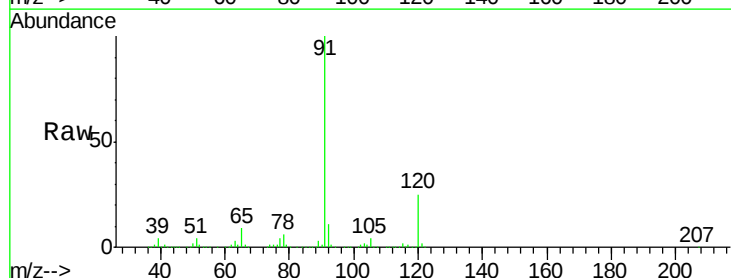
RT: 12.81 min Scan# 1789

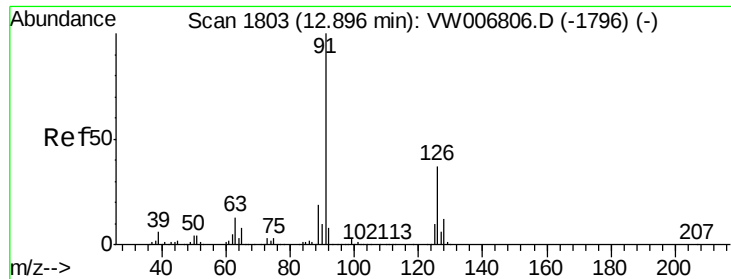
Delta R.T. 0.00 min

Lab File: VW006819.D

Acq: 12 Nov 2018 20:47

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.7	12.4	37.4





#79

2-Chlorotoluene

Concen: 47.469 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW006819.D

Acq: 12 Nov 2018 20:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 91 Resp: 528512

Ion Ratio Lower Upper

91 100

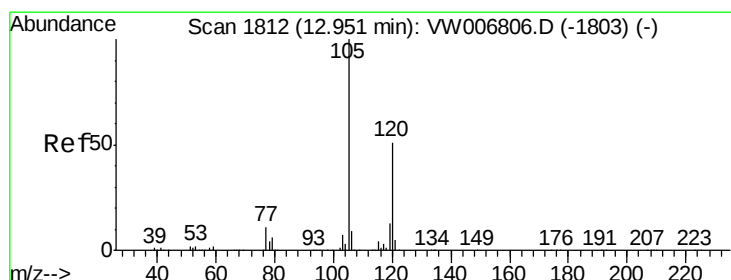
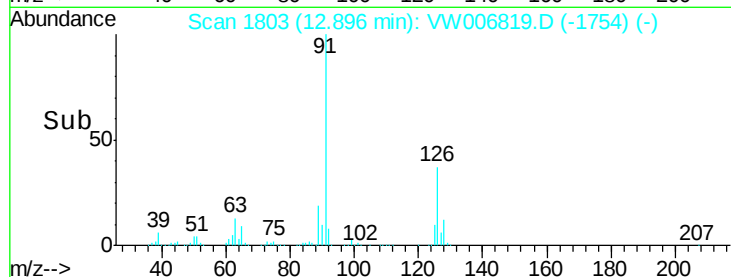
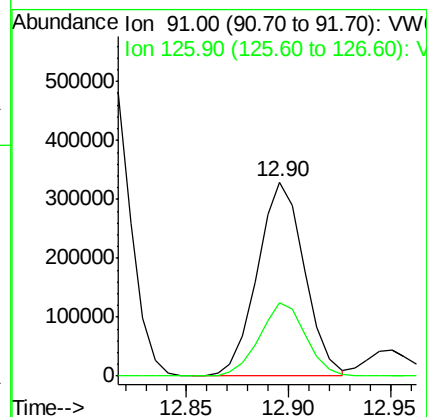
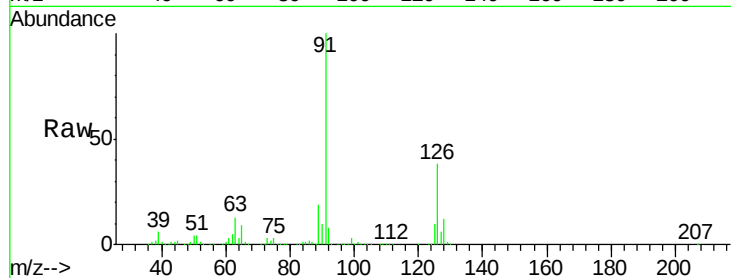
126 37.0 18.5 55.5

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#80

1,3,5-Trimethylbenzene

Concen: 47.783 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. 0.00 min

Lab File: VW006819.D

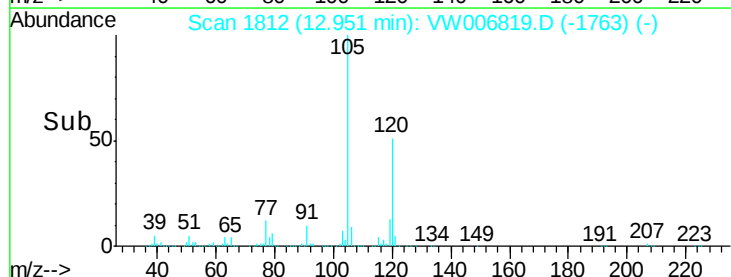
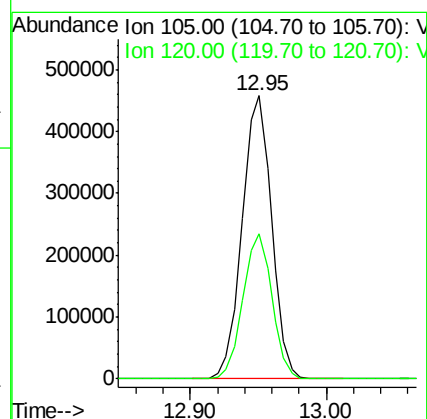
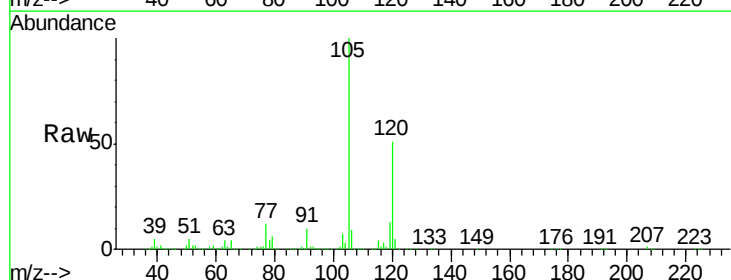
Acq: 12 Nov 2018 20:47

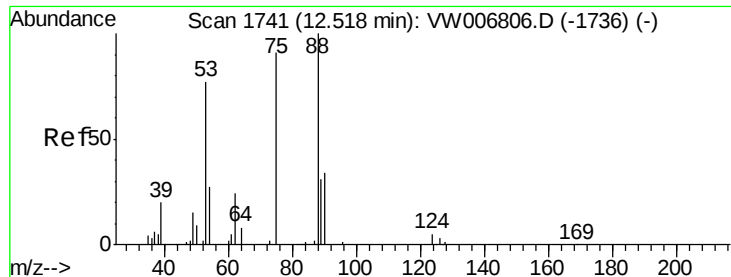
Tgt Ion: 105 Resp: 690689

Ion Ratio Lower Upper

105 100

120 50.9 25.3 75.9





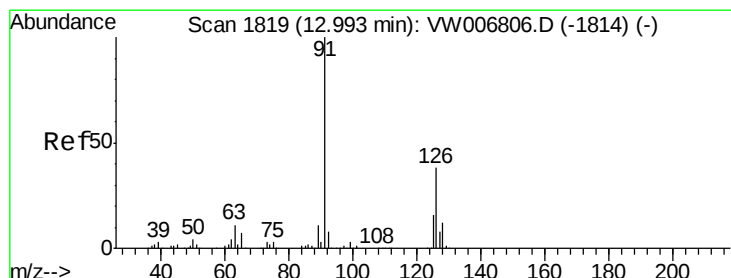
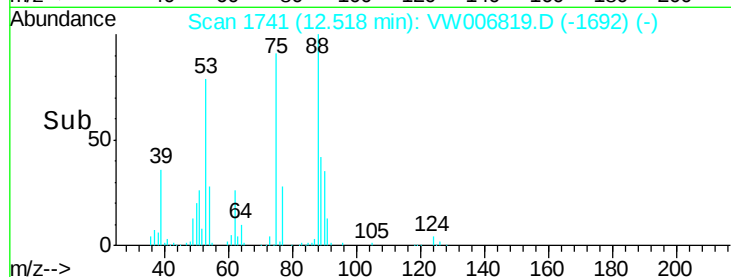
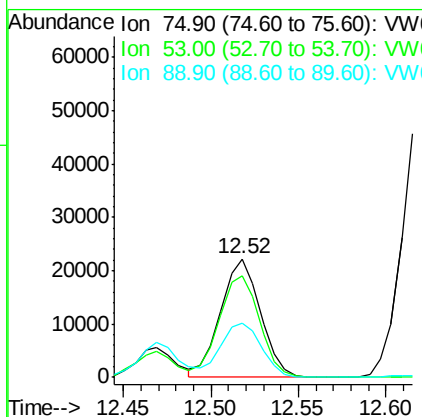
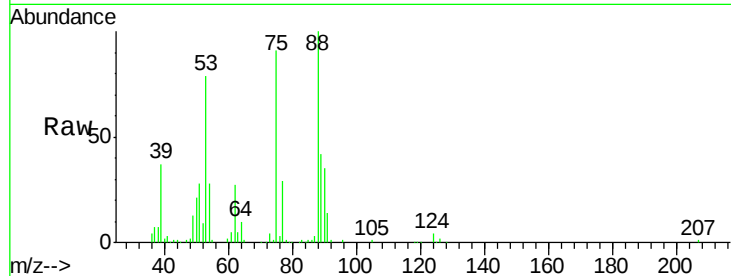
#81
trans-1,4-Dichloro-2-butene
Concen: 49.141 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VW006819.D
Acq: 12 Nov 2018 20:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
75	100		
53	88.9	72.9	109.3
89	46.7	38.7	58.1

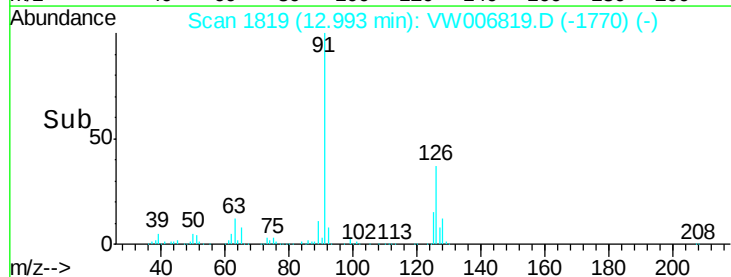
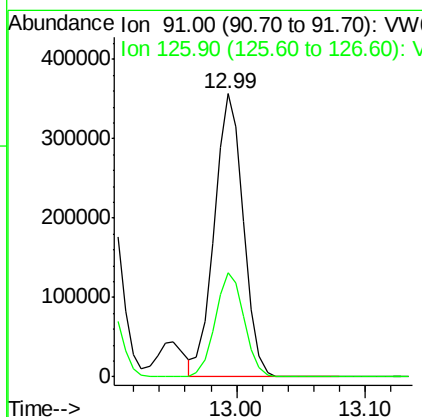
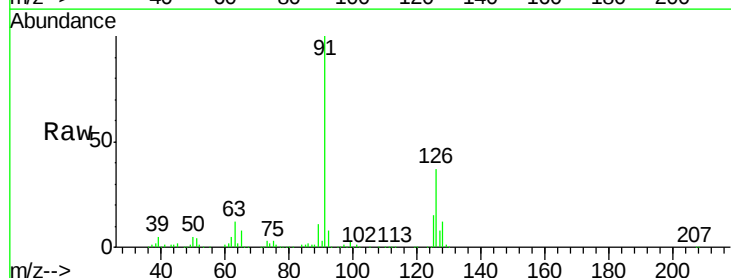
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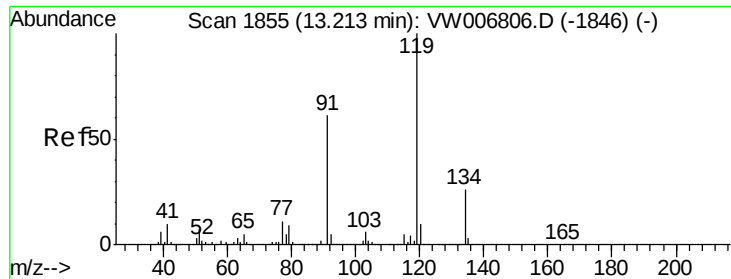
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#82
4-Chlorotoluene
Concen: 47.461 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW006819.D
Acq: 12 Nov 2018 20:47

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.8	18.4	55.2





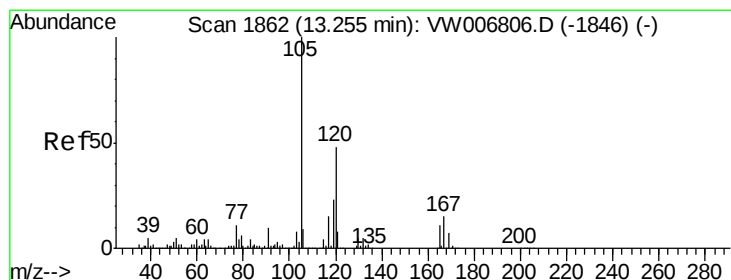
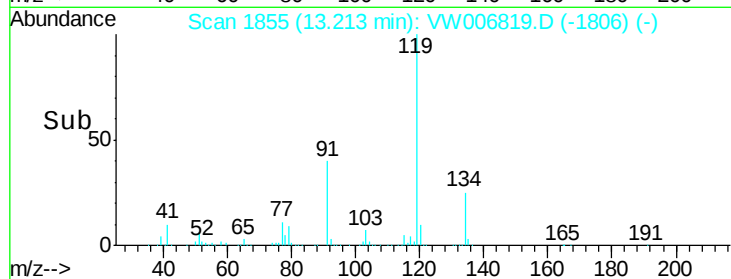
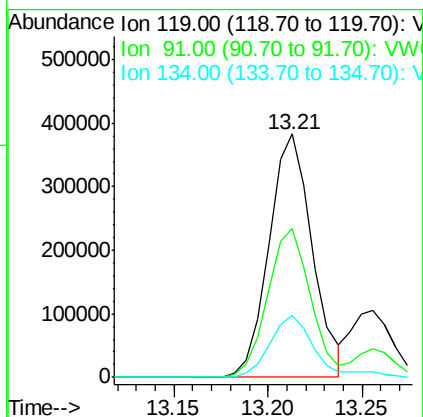
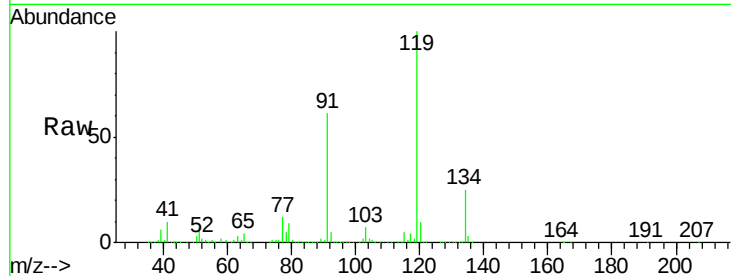
#83
 tert-Butylbenzene
 Concen: 47.617 ug/l
 RT: 13.21 min Scan# 1855
 Delta R.T. 0.00 min
 Lab File: VW006819.D
 Acq: 12 Nov 2018 20:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	608405		
91	60.4	30.0	90.1	
134	26.6	13.4	40.2	

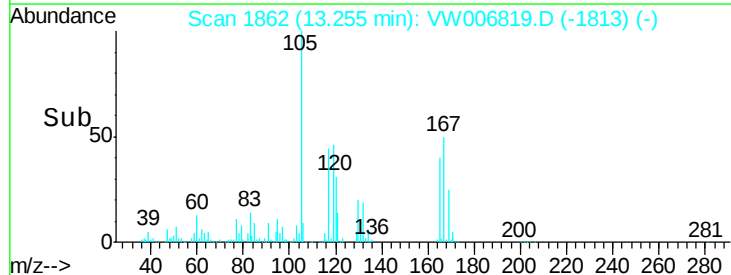
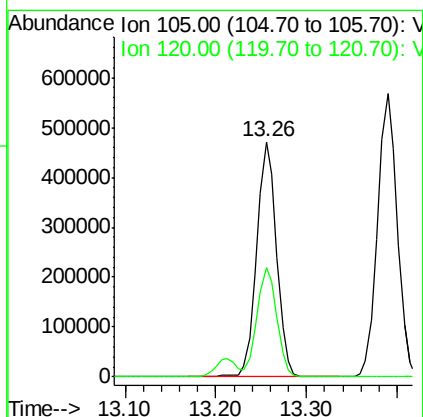
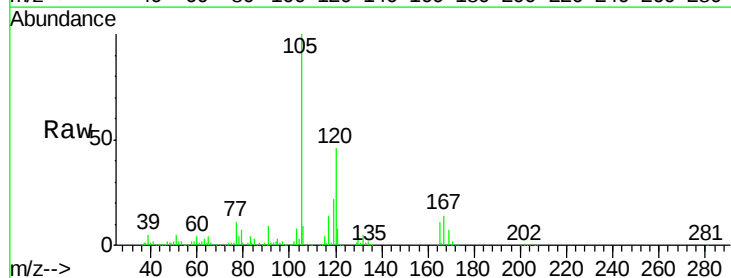
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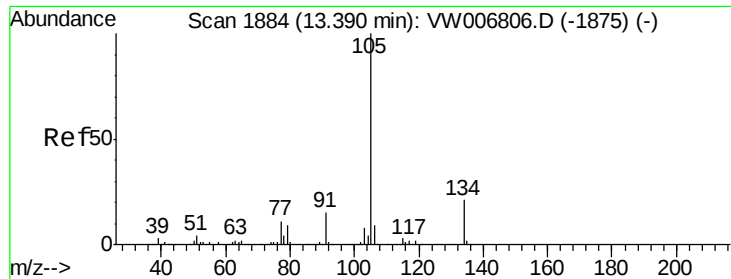
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#84
 1,2,4-Trimethylbenzene
 Concen: 48.309 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW006819.D
 Acq: 12 Nov 2018 20:47

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	710634		
120	46.3	23.4	70.0	





#85

sec-Butylbenzene

Concen: 47.072 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VW006819.D

Acq: 12 Nov 2018 20:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tgt Ion:105 Resp: 852264

Ion Ratio Lower Upper

105 100

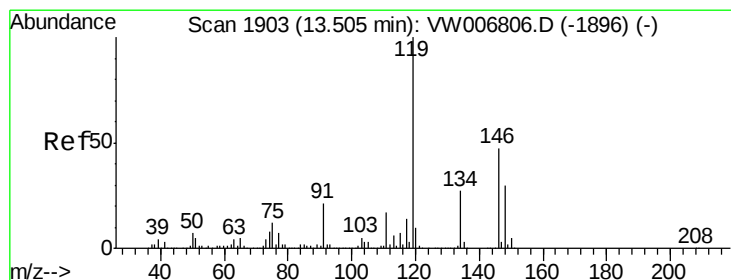
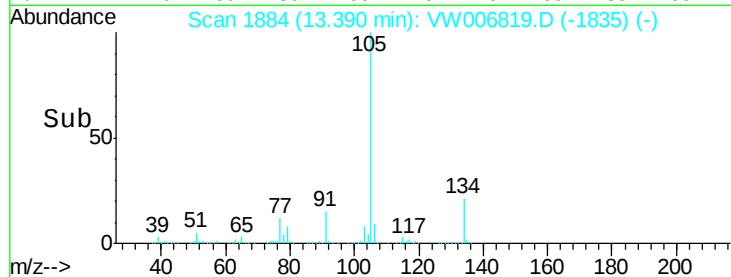
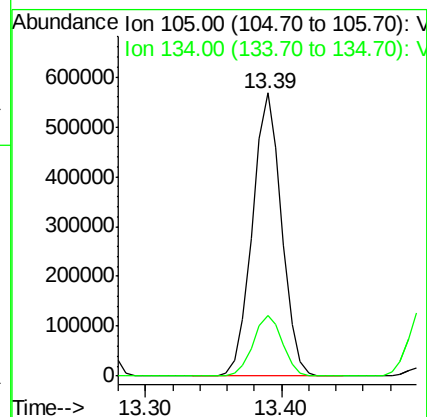
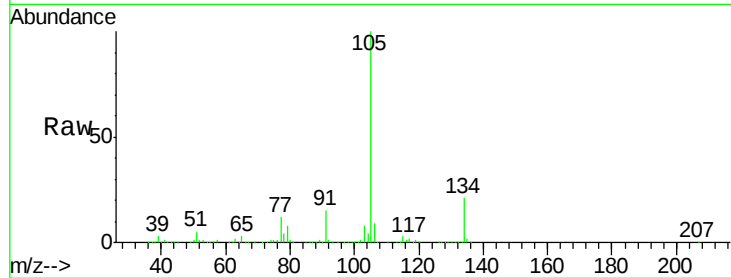
134 21.6 10.7 31.9

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#86

p-Isopropyltoluene

Concen: 47.897 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW006819.D

Acq: 12 Nov 2018 20:47

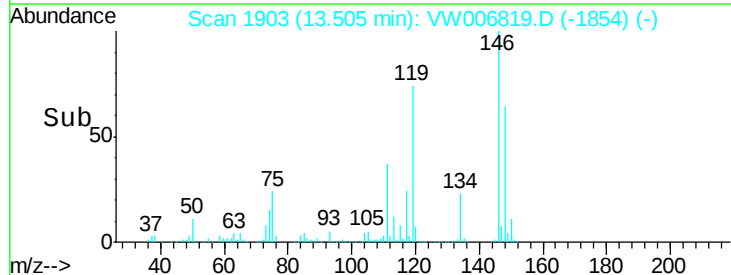
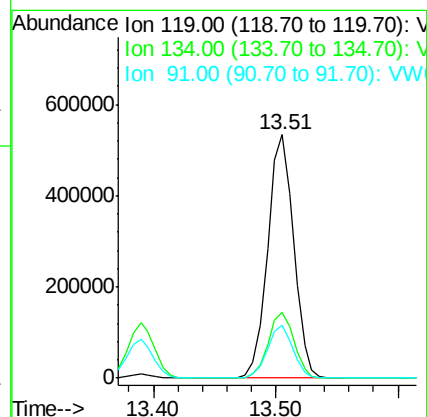
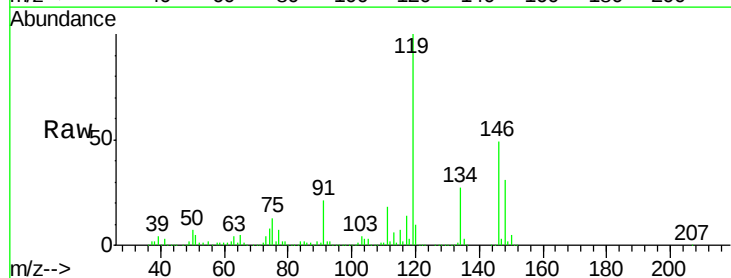
Tgt Ion:119 Resp: 788803

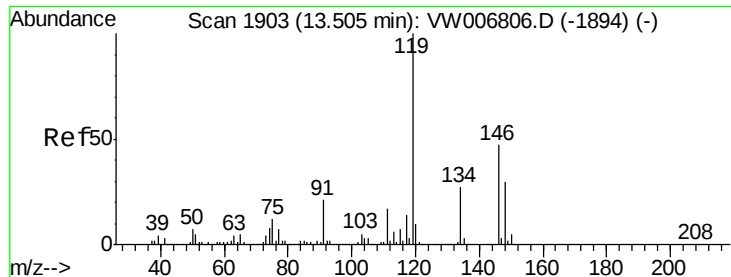
Ion Ratio Lower Upper

119 100

134 27.0 13.5 40.4

91 21.4 10.8 32.4





#87

1,3-Dichlorobenzene

Concen: 47.874 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW006819.D

Acq: 12 Nov 2018 20:47

Instrument :

MSVOA_W

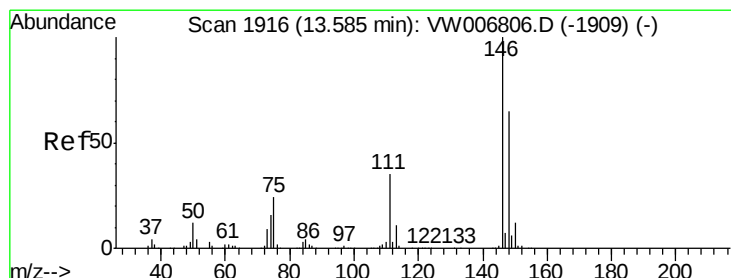
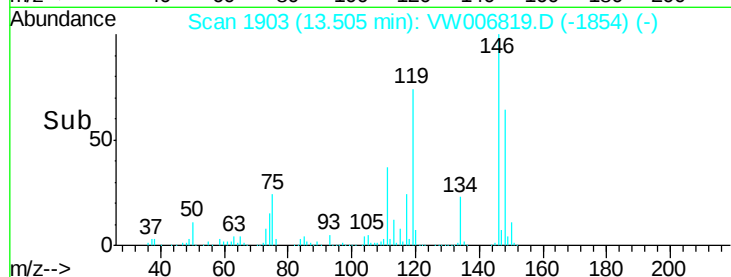
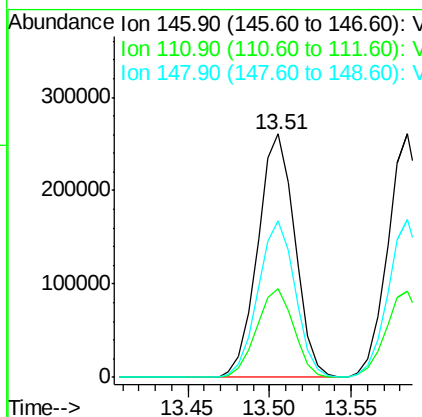
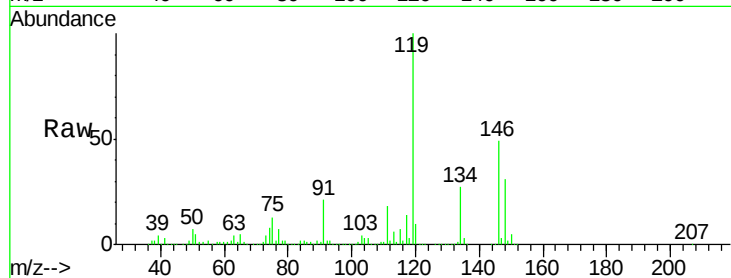
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	146	Resp:	413621
Ion Ratio	Lower	Upper	
146	100		
111	36.6	18.3	54.9
148	63.8	31.9	95.9

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#88

1,4-Dichlorobenzene

Concen: 47.702 ug/l

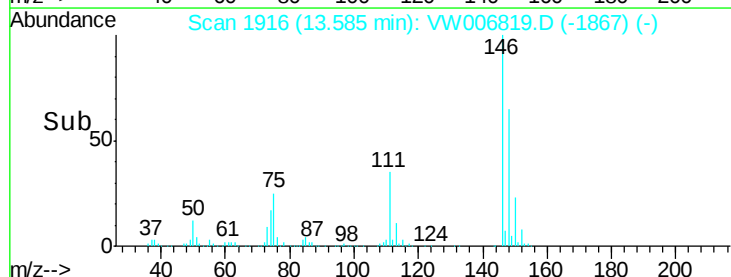
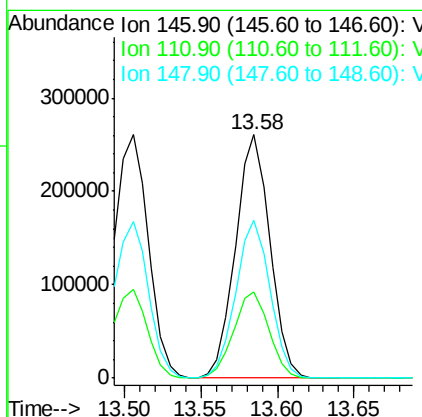
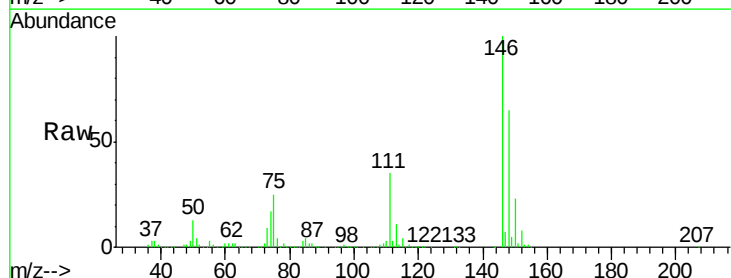
RT: 13.58 min Scan# 1916

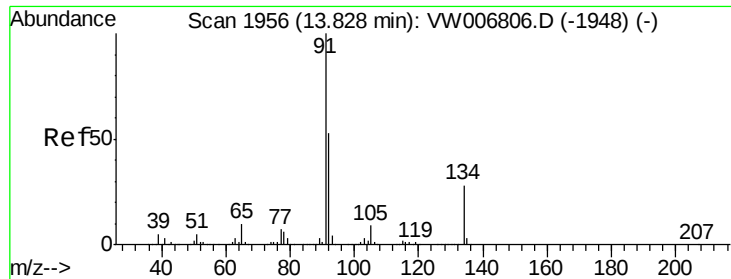
Delta R.T. 0.00 min

Lab File: VW006819.D

Acq: 12 Nov 2018 20:47

Tgt Ion:	146	Resp:	407754
Ion Ratio	Lower	Upper	
146	100		
111	36.3	17.8	53.3
148	64.6	32.0	96.0





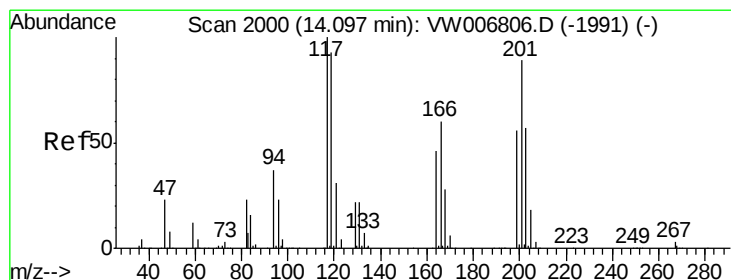
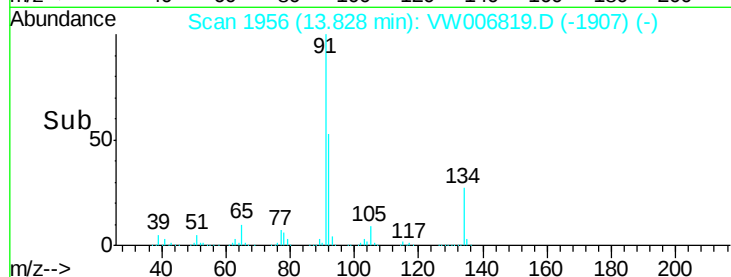
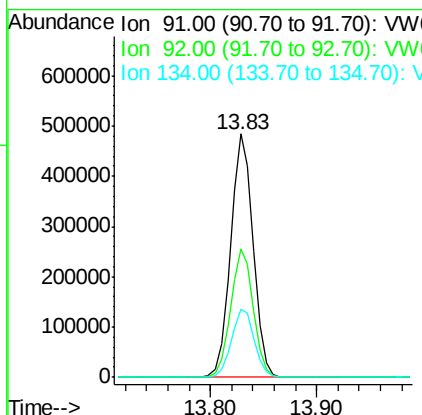
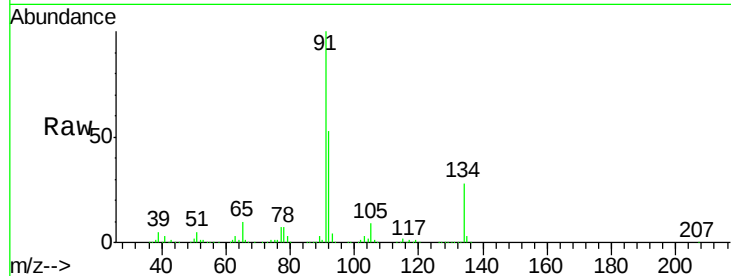
#89
n-Butylbenzene
Concen: 47.321 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW006819.D
Acq: 12 Nov 2018 20:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.5	79.4
134	28.6	14.4	43.2

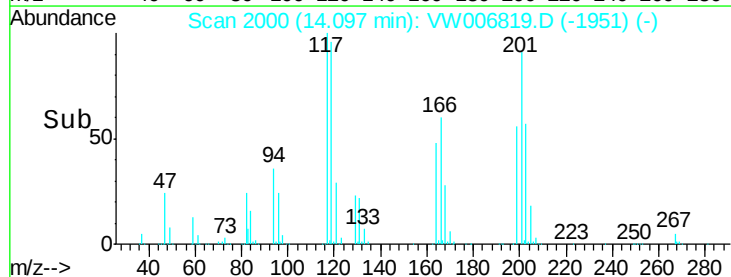
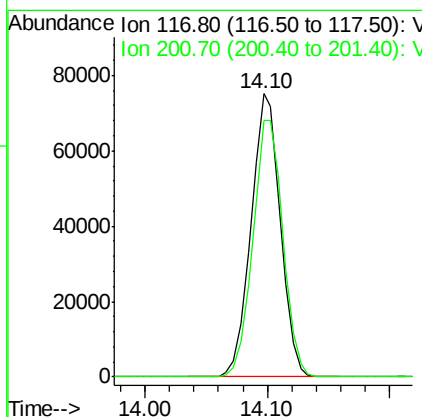
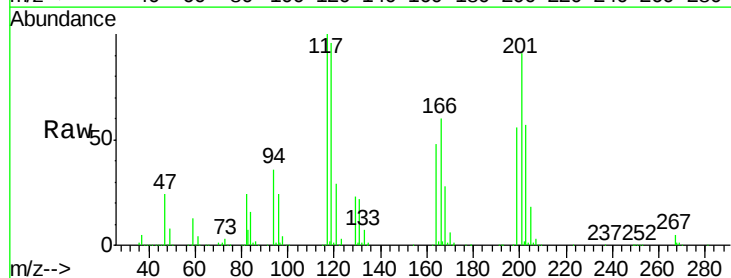
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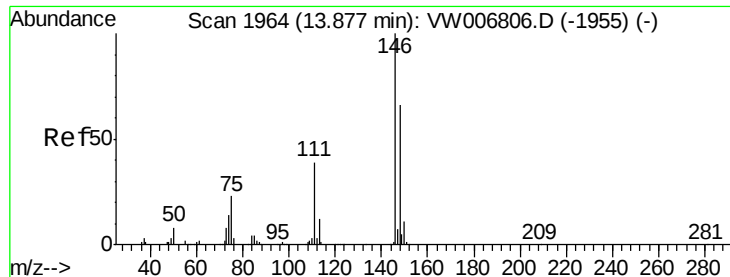
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#90
Hexachloroethane
Concen: 47.490 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW006819.D
Acq: 12 Nov 2018 20:47

Tgt Ion	Ratio	Lower	Upper
117	100		
201	92.8	46.9	140.6





#91

1,2-Dichlorobenzene

Concen: 48.223 ug/l

RT: 13.88 min Scan# 1964

Delta R.T. 0.00 min

Lab File: VW006819.D

Acq: 12 Nov 2018 20:47

Instrument :

MSVOA_W

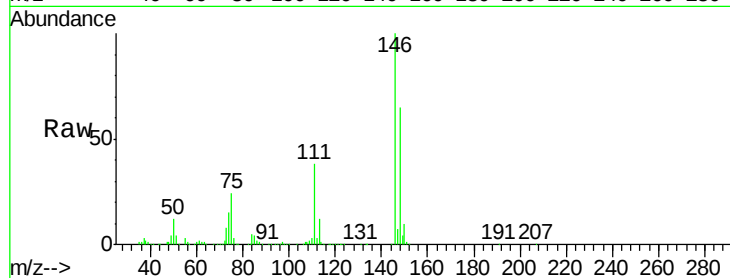
ClientSampleId :

VSTDCCC050EC

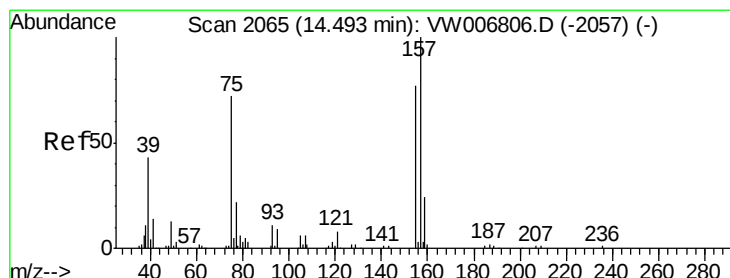
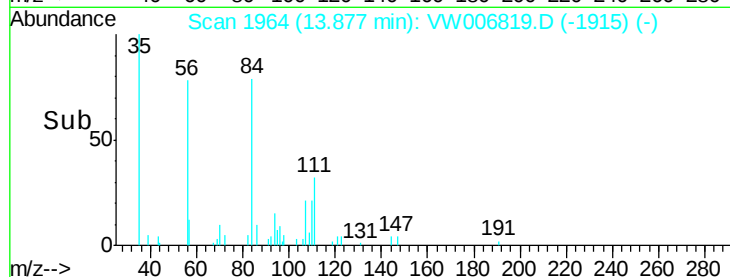
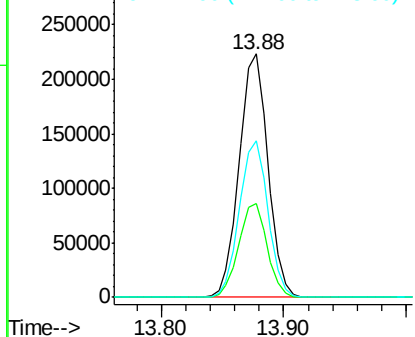
Tgt Ion:	146	Resp:	362835
Ion Ratio	Lower	Upper	
146	100		
111	38.3	19.3	57.8
148	64.4	32.4	97.2

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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: 51.769 ug/l

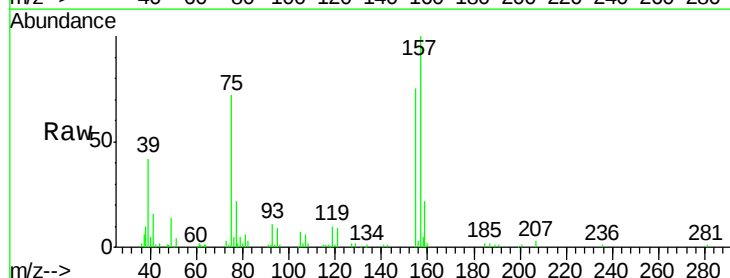
RT: 14.49 min Scan# 2065

Delta R.T. 0.00 min

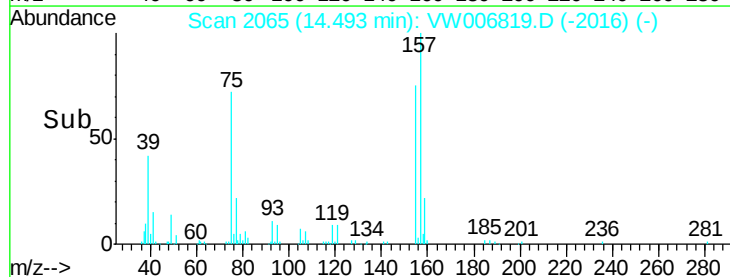
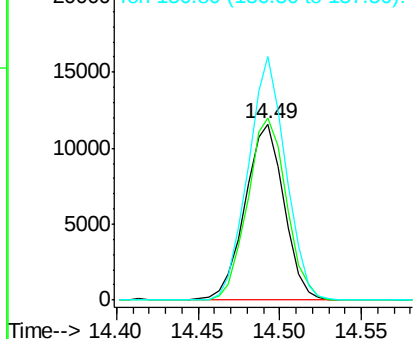
Lab File: VW006819.D

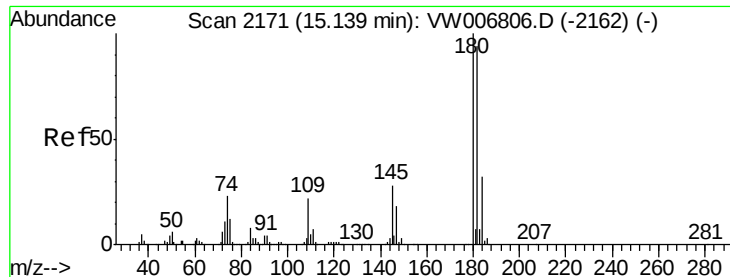
Acq: 12 Nov 2018 20:47

Tgt Ion:	75	Resp:	19278
Ion Ratio	Lower	Upper	
75	100		
155	103.2	51.0	153.1
157	133.0	67.4	202.2



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





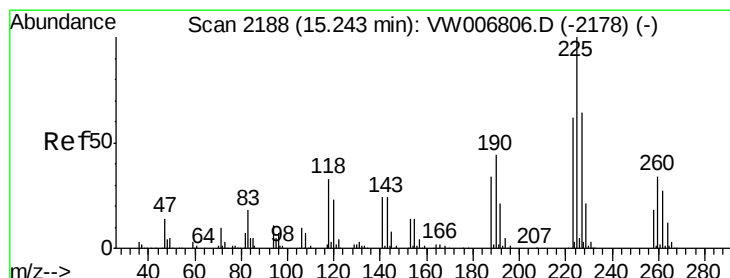
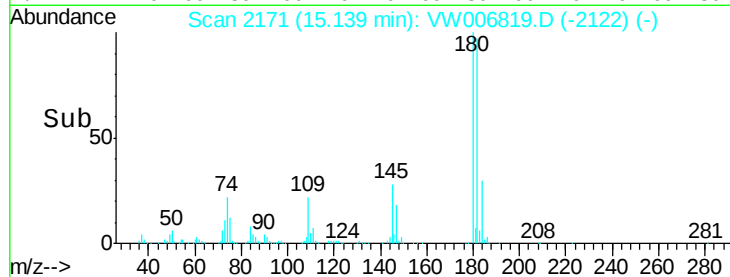
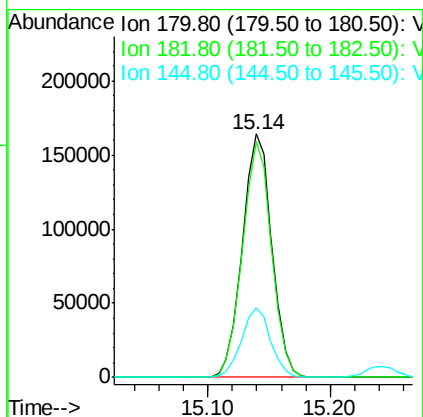
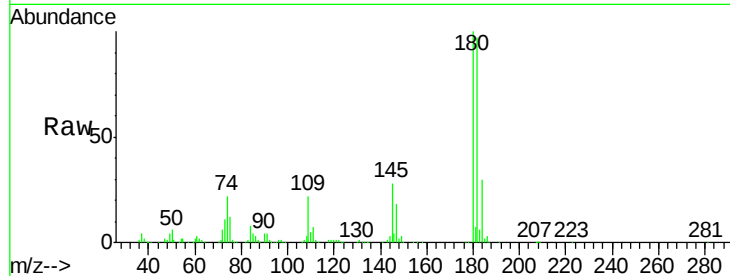
#93
 1,2,4-Trichlorobenzene
 Concen: 48.121 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW006819.D
 Acq: 12 Nov 2018 20:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	273361		
182	95.7	47.5	142.5	
145	28.1	14.0	41.9	

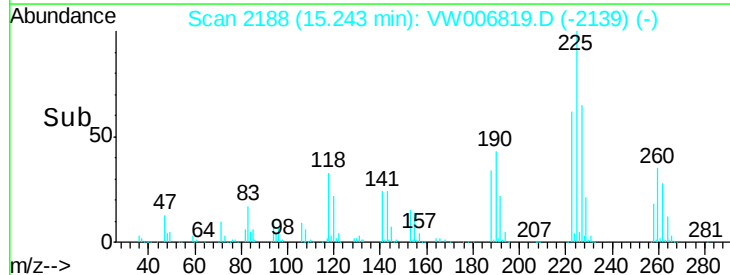
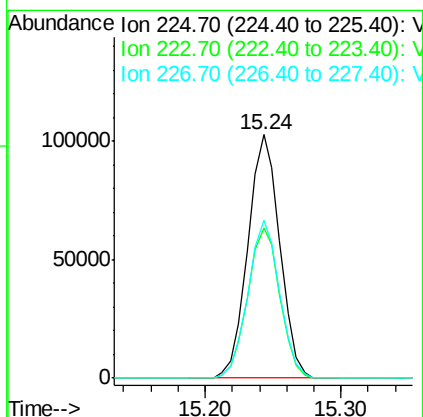
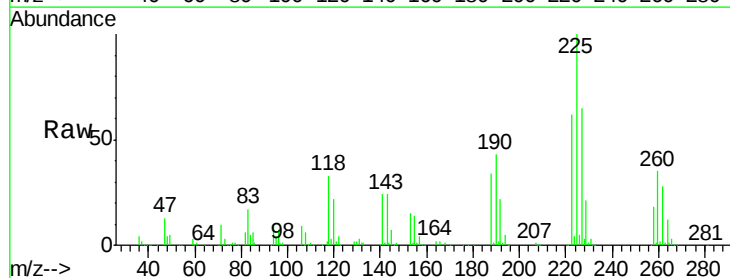
Manual Integrations
 APPROVED

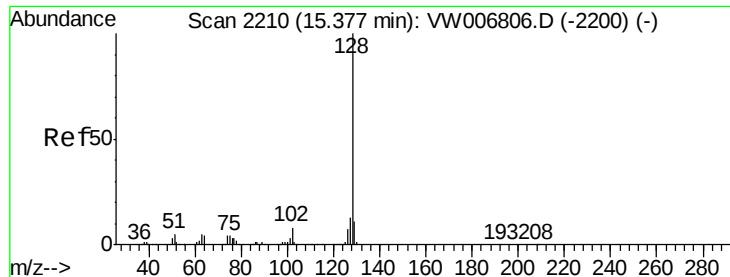
apatel
 11/13/2018 3:56:00 PM



#94
 Hexachlorobutadiene
 Concen: 46.848 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW006819.D
 Acq: 12 Nov 2018 20:47

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	168633		
223	62.6	31.2	93.6	
227	64.2	32.3	96.9	





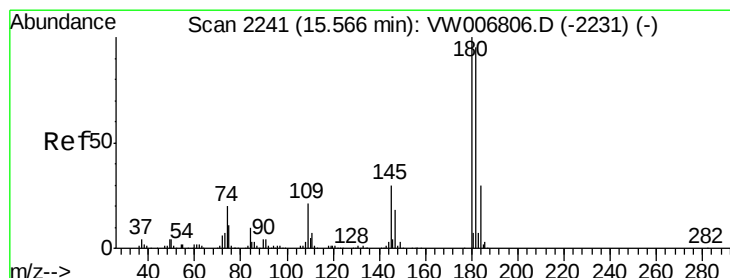
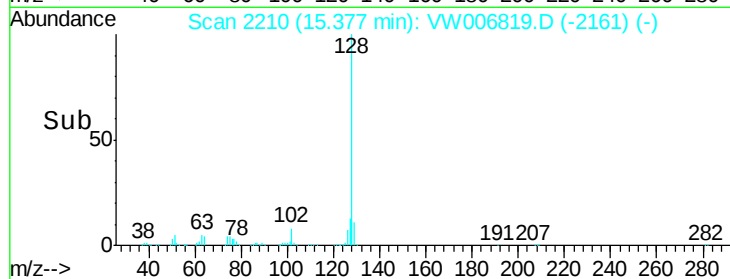
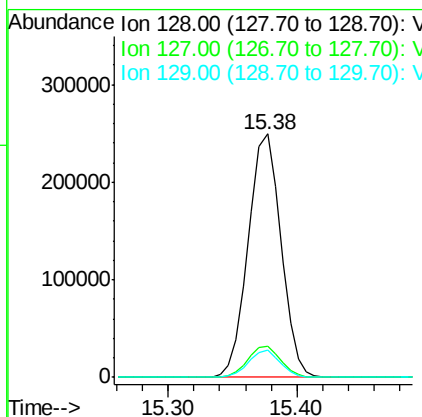
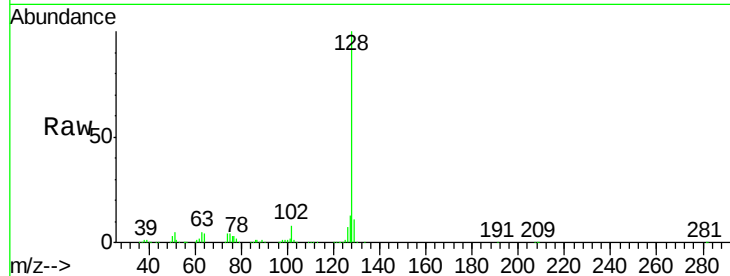
#95
Naphthalene
Concen: 51.541 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW006819.D
Acq: 12 Nov 2018 20:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	10.8	8.6	13.0

Manual Integrations
APPROVED

apatel
11/13/2018 3:56:00 PM



#96
1,2,3-Trichlorobenzene
Concen: 48.666 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VW006819.D
Acq: 12 Nov 2018 20:47

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.9	143.6
145	29.7	15.2	45.5

