

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW111718\
 Data File : VW006931.D
 Acq On : 16 Nov 2018 23:44
 Operator : SY/AP
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

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 11/19/2018 3:29:22 PM

Quant Time: Nov 17 01:51:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W111718S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 17 01:21:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	114197	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	193219	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	177367	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	87146	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	25370	27.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	55.14%	
35) Dibromofluoromethane	7.89	113	22101	18.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.94%	
50) Toluene-d8	10.33	98	94330	19.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.84%	
62) 4-Bromofluorobenzene	12.62	95	37309	20.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.30%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.00	85	26051	26.85	ug/l	97
3) Chloromethane	2.21	50	21894	20.78	ug/l	98
4) Vinyl Chloride	2.36	62	20711	18.71	ug/l	97
5) Bromomethane	2.78	94	10348	14.33	ug/l	97
6) Chloroethane	2.92	64	11184	15.80	ug/l	96
7) Trichlorofluoromethane	3.26	101	39791	25.54	ug/l	96
8) Diethyl Ether	3.69	74	14306	29.98	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.07	101	25917	24.69	ug/l	99
10) Methyl Iodide	4.28	142	25509	17.90	ug/l	99
11) Tert butyl alcohol	5.22	59	10911m	181.20	ug/l	
12) 1,1-Dichloroethene	4.04	96	22953	25.62	ug/l	94
13) Acrolein	3.91	56	9971	158.51	ug/l	99
14) Allyl chloride	4.68	41	39860	31.75	ug/l	98
15) Acrylonitrile	5.38	53	27413	150.61	ug/l	98
16) Acetone	4.15	43	19999	150.63	ug/l	99
17) Carbon Disulfide	4.38	76	72176	25.47	ug/l	97
18) Methyl Acetate	4.68	43	14966	32.84	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	67929	30.61	ug/l	99
20) Methylene Chloride	4.93	84	31111	22.46	ug/l	93
21) trans-1,2-Dichloroethene	5.43	96	26719	25.26	ug/l	97
22) Diisopropyl ether	6.32	45	83001	32.10	ug/l	99
23) Vinyl Acetate	6.26	43	231146	158.74	ug/l	100
24) 1,1-Dichloroethane	6.22	63	46498	27.91	ug/l	99
25) 2-Butanone	7.18	43	34774	155.94	ug/l	100
26) 2,2-Dichloropropane	7.17	77	41181	25.33	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	29990	26.39	ug/l	99
28) Bromochloromethane	7.52	49	16356	27.89	ug/l	99
29) Tetrahydrofuran	7.54	42	22550	157.96	ug/l	98
30) Chloroform	7.68	83	50232	27.82	ug/l	98
31) Cyclohexane	7.96	56	49701	29.48	ug/l	94
32) 1,1,1-Trichloroethane	7.88	97	45359	26.46	ug/l	98
36) 1,1-Dichloropropene	8.09	75	41336	22.83	ug/l	99
37) Ethyl Acetate	7.26	43	17791	28.77	ug/l	96
38) Carbon Tetrachloride	8.07	117	40150	20.76	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	49743	21.43	ug/l	97
40) Benzene	8.33	78	111581	22.06	ug/l	100
41) Methacrylonitrile	7.49	41	10079	26.42	ug/l	98
42) 1,2-Dichloroethane	8.40	62	32810	23.84	ug/l	99
43) Isopropyl Acetate	8.43	43	32011	26.58	ug/l	99
44) Trichloroethene	9.10	130	30601	19.64	ug/l	100
45) 1,2-Dichloropropane	9.37	63	28647	24.02	ug/l	96
46) Dibromomethane	9.46	93	13951	21.34	ug/l	99
47) Bromodichloromethane	9.65	83	37625	23.01	ug/l	99
48) Methyl methacrylate	9.44	41	14910	25.45	ug/l	97
49) 1,4-Dioxane	9.48	88	3940	397.13	ug/l #	90
51) 4-Methyl-2-Pentanone	10.21	43	76969	127.90	ug/l	100
52) Toluene	10.39	92	71026	20.02	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	36570	22.71	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	44297	23.18	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	21079	21.72	ug/l	96
56) Ethyl methacrylate	10.65	69	25093	23.15	ug/l	96
57) 1,3-Dichloropropane	10.93	76	35634	22.94	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	62827	117.66	ug/l	100
59) 2-Hexanone	10.98	43	51637	125.10	ug/l	100
60) Dibromochloromethane	11.13	129	23564	20.07	ug/l	99
61) 1,2-Dibromoethane	11.24	107	19326	21.06	ug/l	99
64) Tetrachloroethene	10.87	164	23957	17.47	ug/l	96
65) Chlorobenzene	11.66	112	78557	20.11	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.73	131	25507	20.18	ug/l	97
67) Ethyl Benzene	11.74	91	141467	21.10	ug/l	97
68) m/p-Xylenes	11.84	106	112098	41.24	ug/l	100
69) o-Xylene	12.17	106	52588	20.74	ug/l	100
70) Styrene	12.18	104	84623	20.80	ug/l	99
71) Bromoform	12.35	173	11482	17.05	ug/l #	99
73) Isopropylbenzene	12.47	105	144235	23.36	ug/l	100
74) N-amyl acetate	12.28	43	28598	28.88	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	21510	24.96	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	17139m	26.06	ug/l	
77) Bromobenzene	12.75	156	29881	19.67	ug/l	96
78) n-propylbenzene	12.81	91	172746	23.63	ug/l	100
79) 2-Chlorotoluene	12.90	91	101642	24.60	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	124141	23.40	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	6156	23.41	ug/l	95
82) 4-Chlorotoluene	12.99	91	107079	24.31	ug/l	100
83) tert-Butylbenzene	13.21	119	104427	22.44	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	125899	23.35	ug/l	100
85) sec-Butylbenzene	13.39	105	149649	22.66	ug/l	100
86) p-Isopropyltoluene	13.51	119	130549	21.89	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	62604	20.30	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	62103	20.33	ug/l	98
89) n-Butylbenzene	13.83	91	124137	22.58	ug/l	99
90) Hexachloroethane	14.10	117	21261	22.16	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	54740	20.29	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	3439	24.26	ug/l	95

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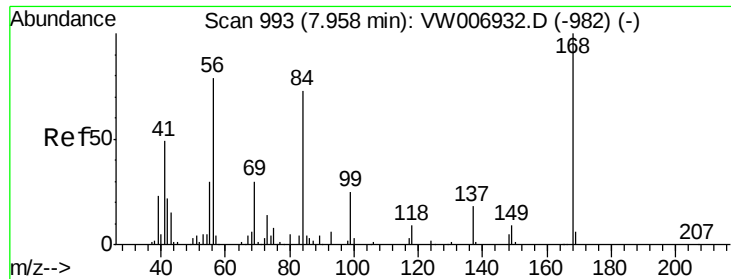
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	35018	17.66	ug/l	99
94) Hexachlorobutadiene	15.24	225	18298	14.95	ug/l	99
95) Naphthalene	15.38	128	64977	21.02	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	29489	17.32	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW006931.D

Acq: 16 Nov 2018 23:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tgt Ion:168 Resp: 114197

Ion Ratio Lower Upper

168 100

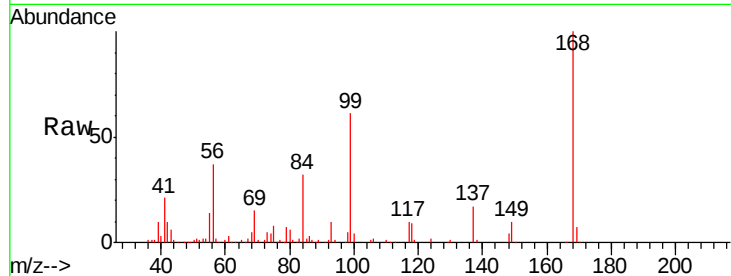
99 61.1 49.3 73.9

Manual Integrations

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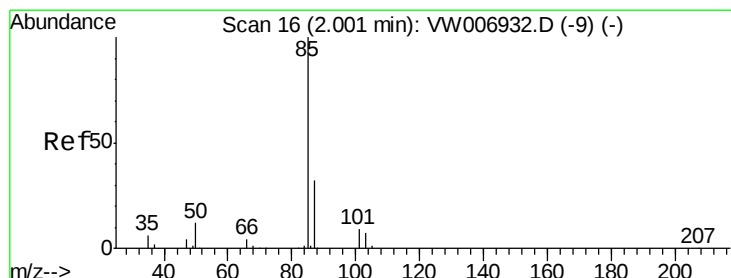
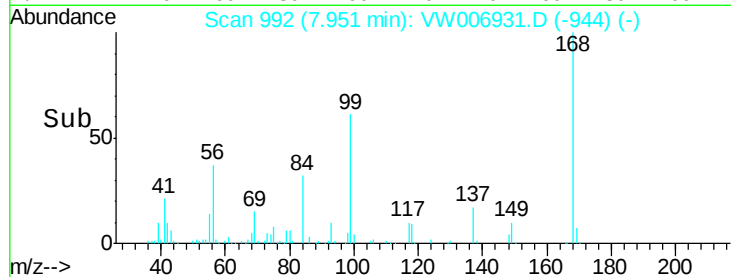
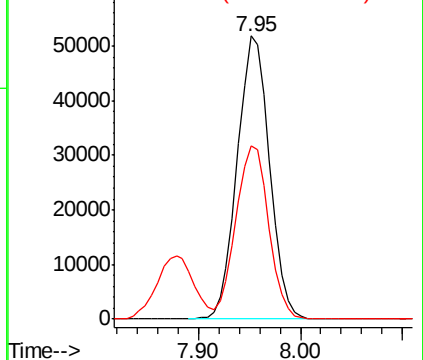
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 26.85 ug/l

RT: 2.00 min Scan# 16

Delta R.T. -0.00 min

Lab File: VW006931.D

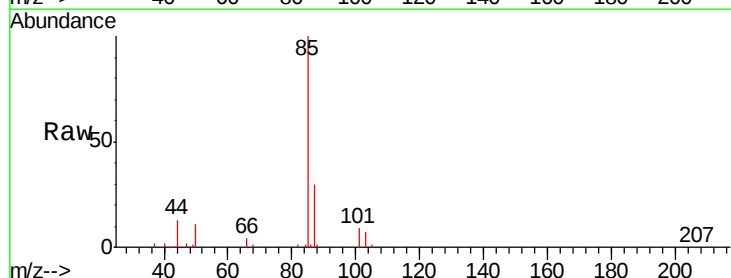
Acq: 16 Nov 2018 23:44

Tgt Ion: 85 Resp: 26051

Ion Ratio Lower Upper

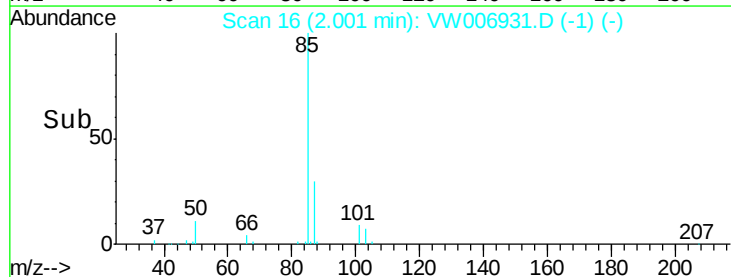
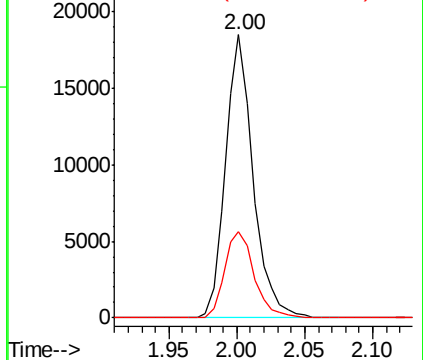
85 100

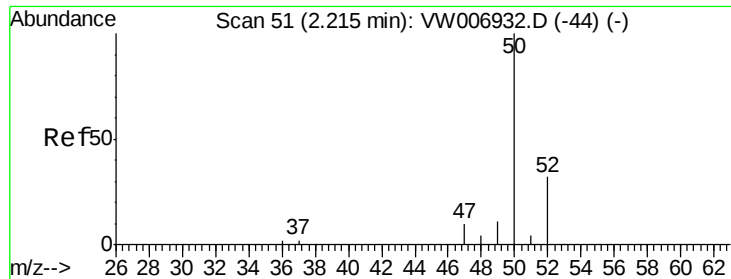
87 30.4 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 20.78 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW006931.D

Acq: 16 Nov 2018 23:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tgt Ion: 50 Resp: 21894

Ion Ratio Lower Upper

50 100

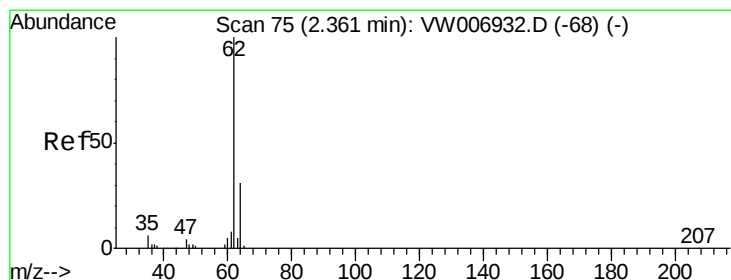
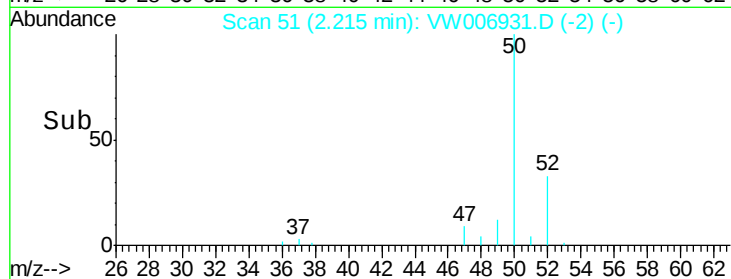
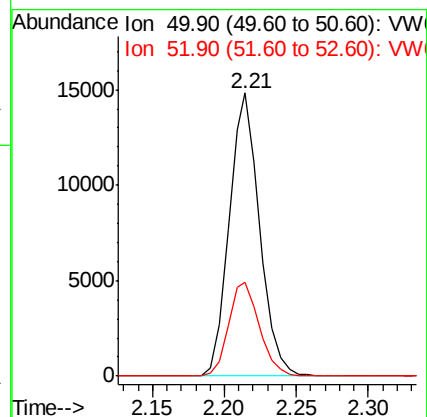
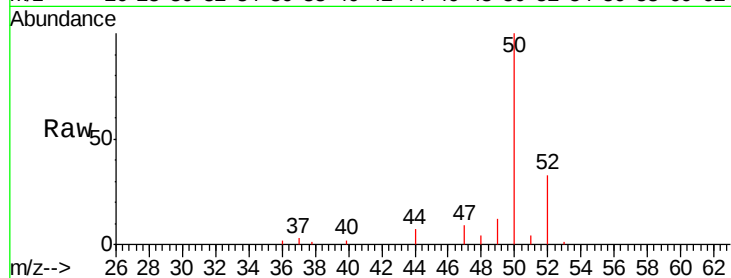
52 33.0 25.4 38.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.71 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW006931.D

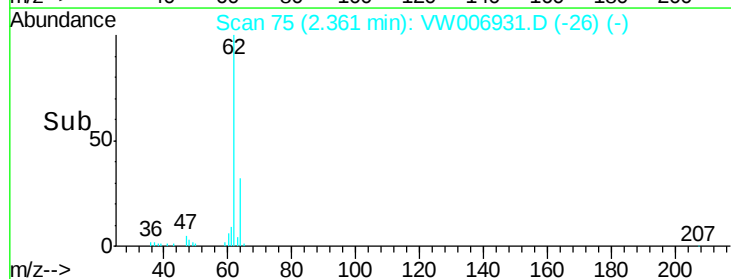
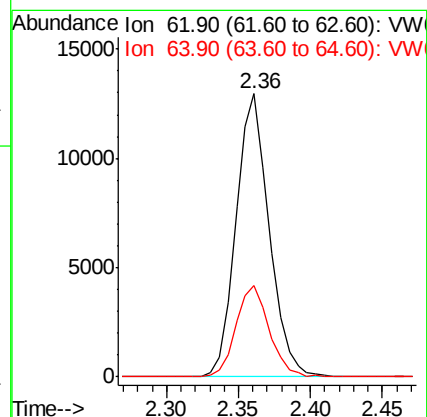
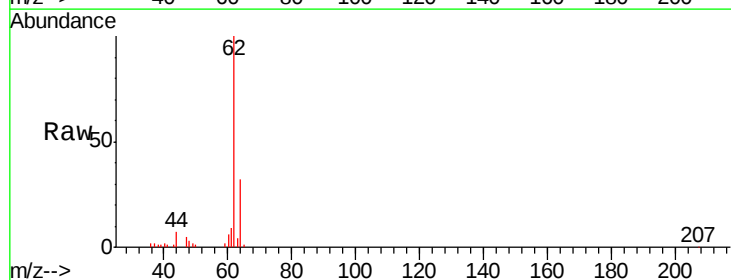
Acq: 16 Nov 2018 23:44

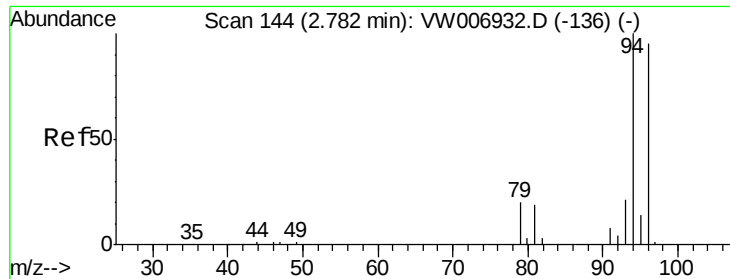
Tgt Ion: 62 Resp: 20711

Ion Ratio Lower Upper

62 100

64 32.2 24.6 37.0





#5

Bromomethane

Concen: 14.33 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW006931.D

Acq: 16 Nov 2018 23:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tgt Ion: 94 Resp: 10348

Ion Ratio Lower Upper

94 100

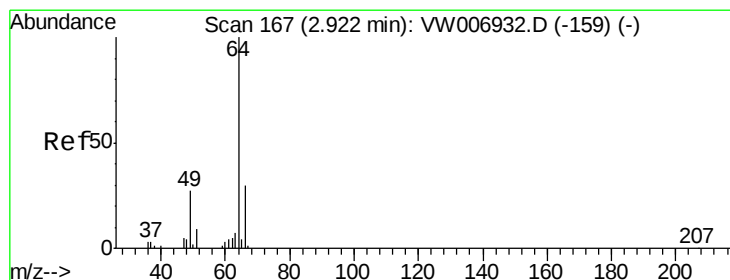
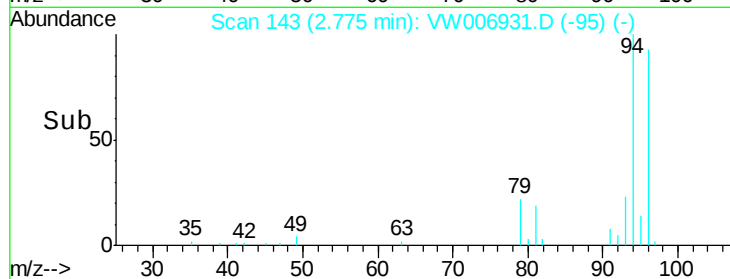
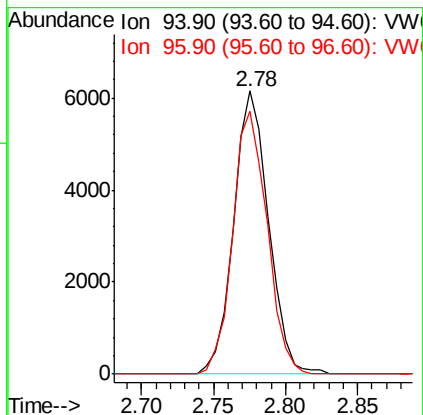
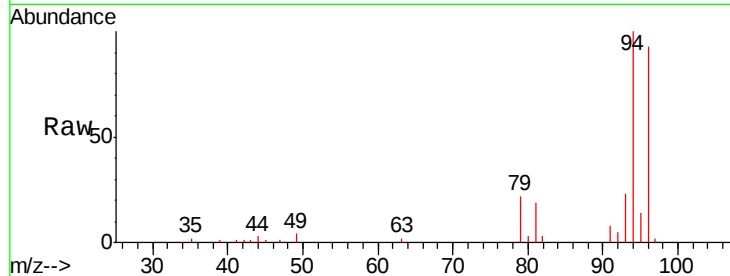
96 92.7 76.2 114.4

Manual Integrations

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#6

Chloroethane

Concen: 15.80 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW006931.D

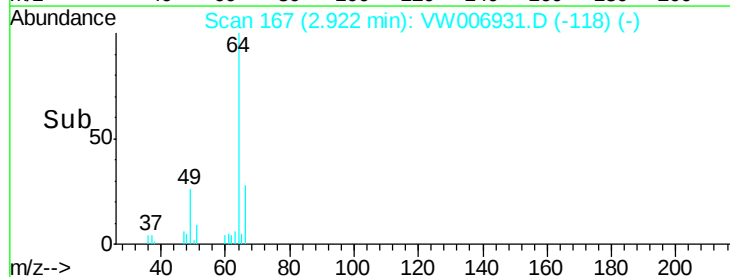
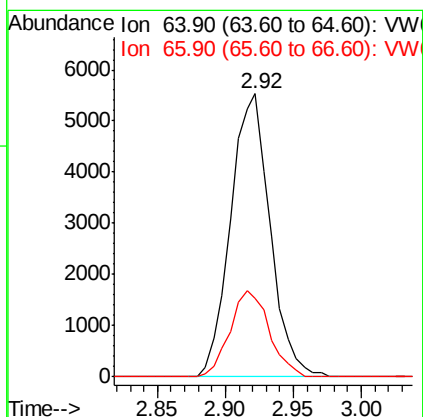
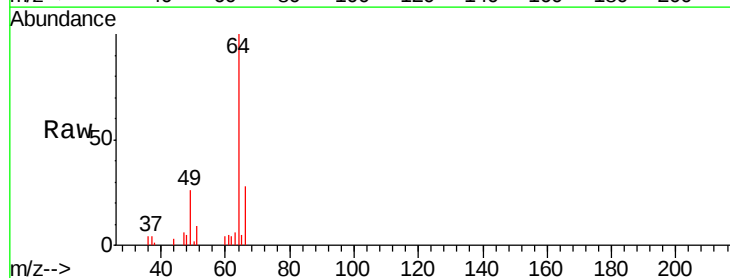
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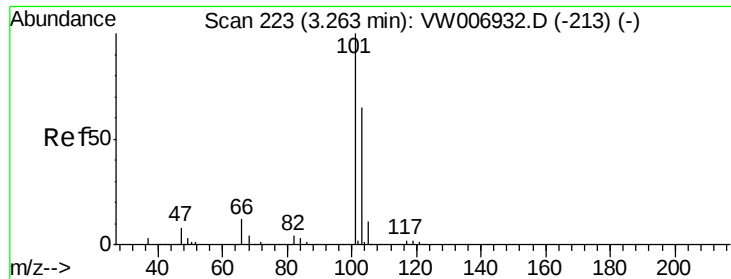
Tgt Ion: 64 Resp: 11184

Ion Ratio Lower Upper

64 100

66 27.8 24.0 36.0





#7

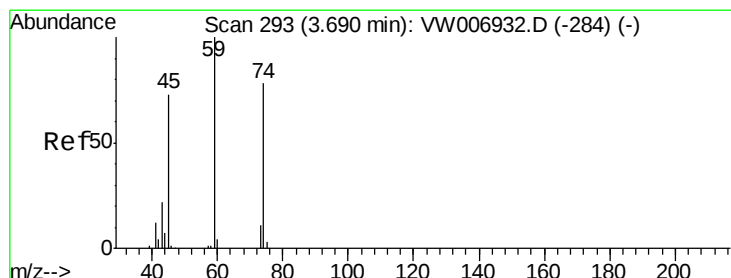
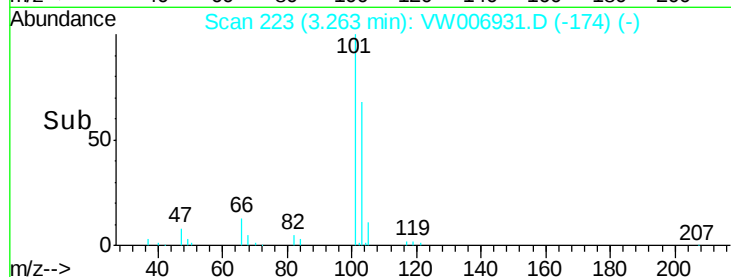
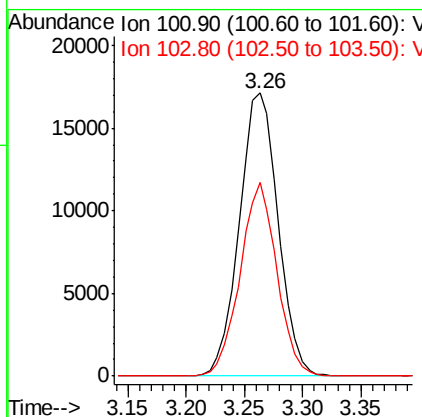
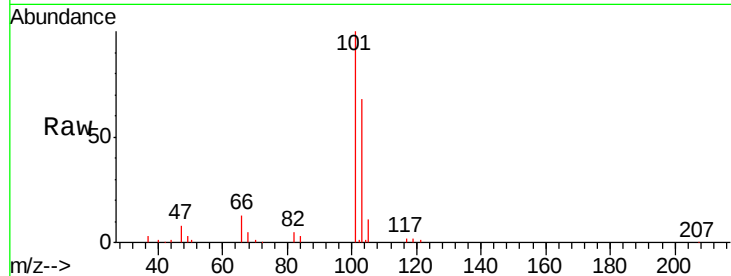
Trichlorofluoromethane
 Concen: 25.54 ug/l
 RT: 3.26 min Scan# 223
 Delta R.T. -0.00 min
 Lab File: VW006931.D
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Tgt Ion	Ratio	Lower	Upper
101	100		
103	68.3	52.2	78.2

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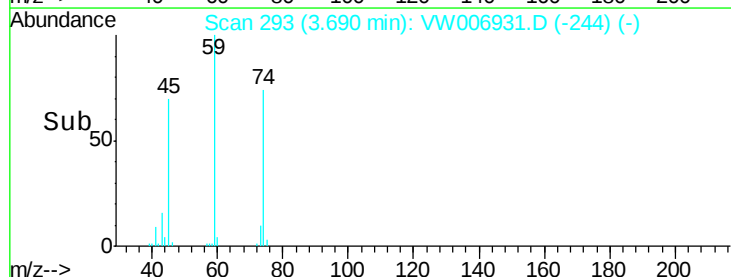
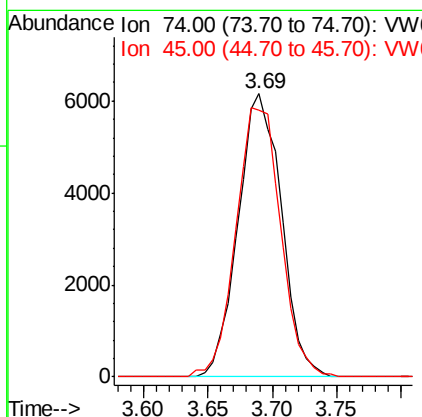
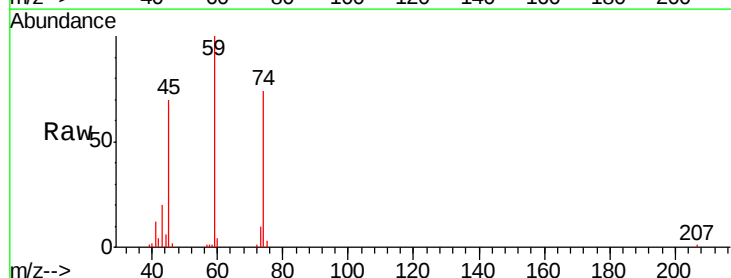
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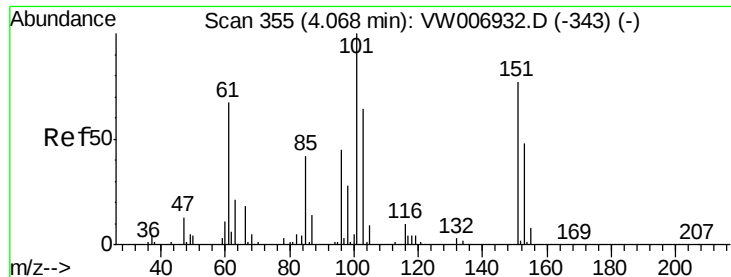


#8

Diethyl Ether
 Concen: 29.98 ug/l
 RT: 3.69 min Scan# 293
 Delta R.T. -0.00 min
 Lab File: VW006931.D
 Acq: 16 Nov 2018 23:44

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.5	48.0	144.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 24.69 ug/l

RT: 4.07 min Scan# 355

Delta R.T. -0.00 min

Lab File: VW006931.D

Acq: 16 Nov 2018 23:44

Instrument :

MSVOA_W

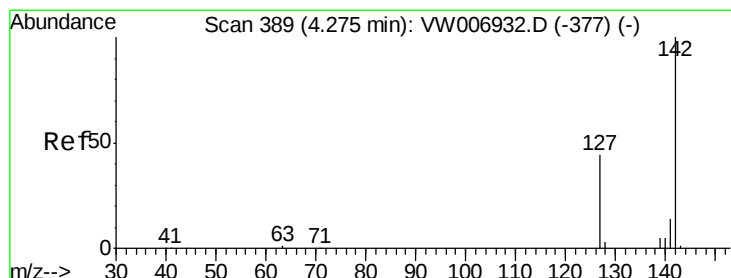
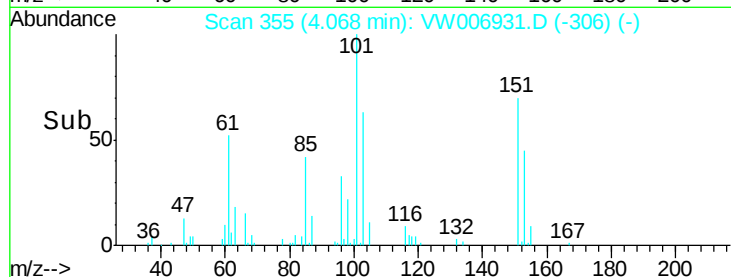
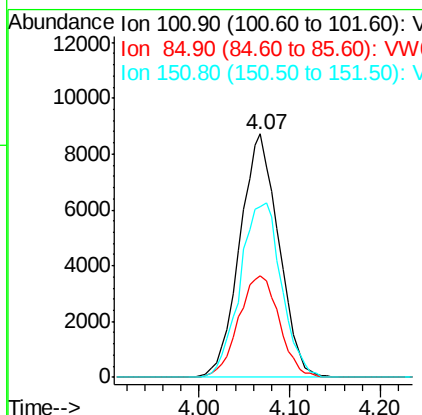
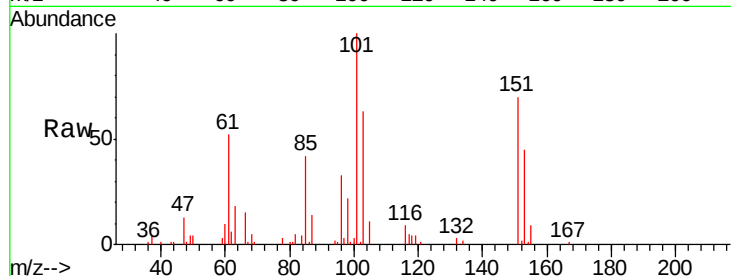
ClientSampleId :

VSTDIC020

Tgt Ion:	101	Resp:	25917
Ion Ratio	Lower	Upper	
101	100		
85	43.5	34.5	51.7
151	75.9	61.5	92.3

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#10

Methyl Iodide

Concen: 17.90 ug/l

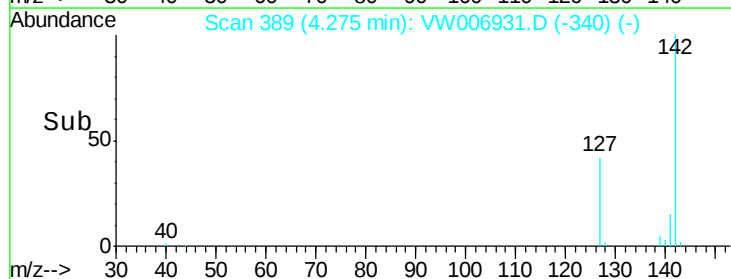
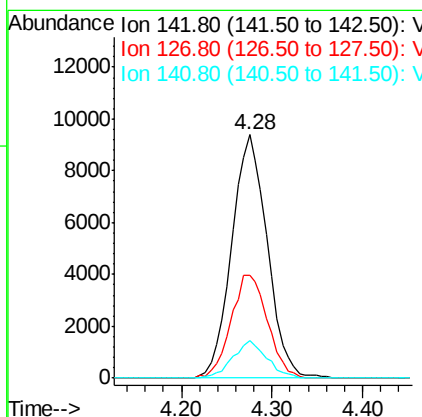
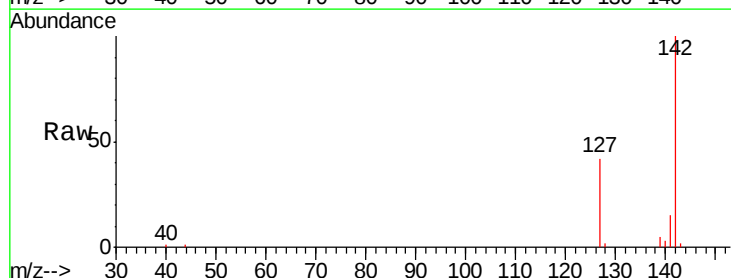
RT: 4.28 min Scan# 389

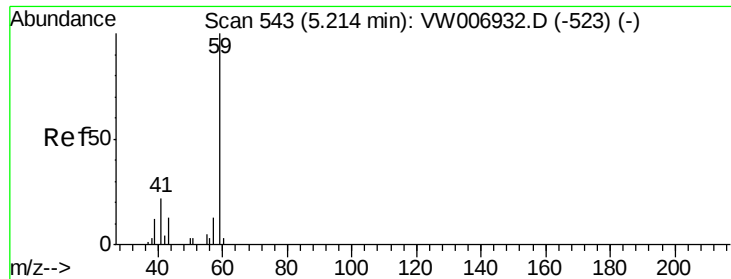
Delta R.T. -0.00 min

Lab File: VW006931.D

Acq: 16 Nov 2018 23:44

Tgt Ion:	142	Resp:	25509
Ion Ratio	Lower	Upper	
142	100		
127	43.4	34.4	51.6
141	14.6	11.5	17.3





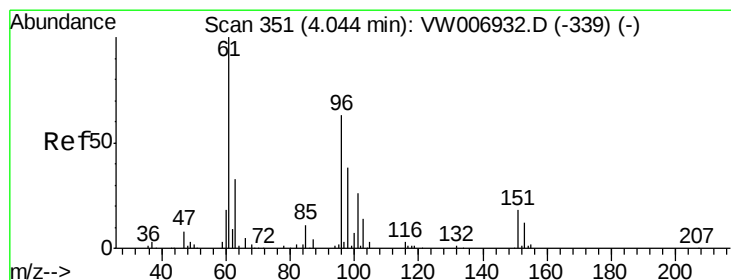
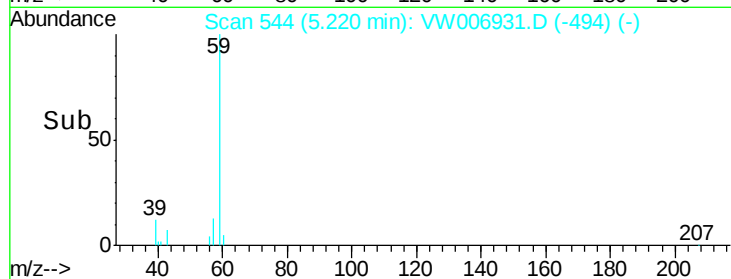
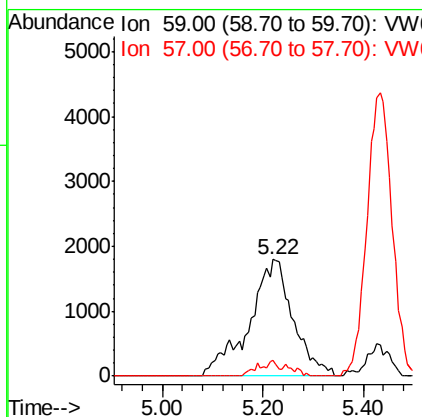
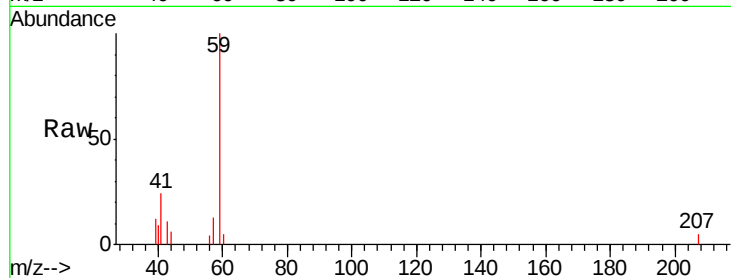
#11
Tert butyl alcohol
Concen: 181.20 ug/l m
RT: 5.22 min Scan# 544
Delta R.T. 0.01 min
Lab File: VW006931.D
Acq: 16 Nov 2018 23:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tgt Ion: 59 Resp: 10911
Ion Ratio Lower Upper
59 100
57 0.0 8.8 13.2#

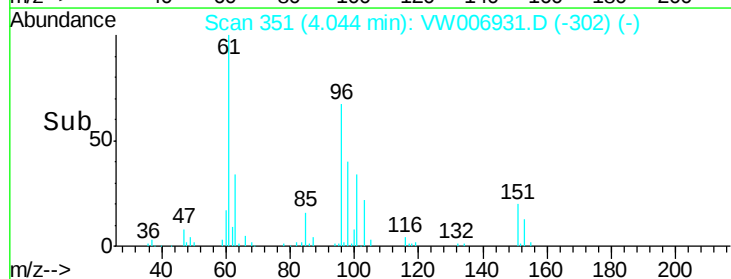
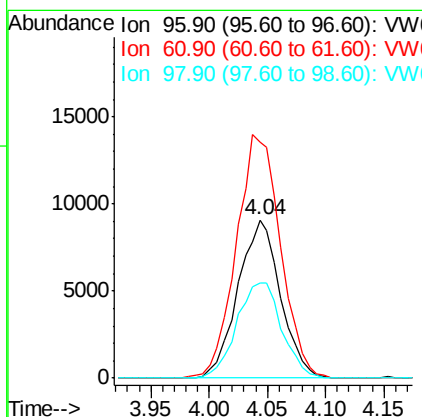
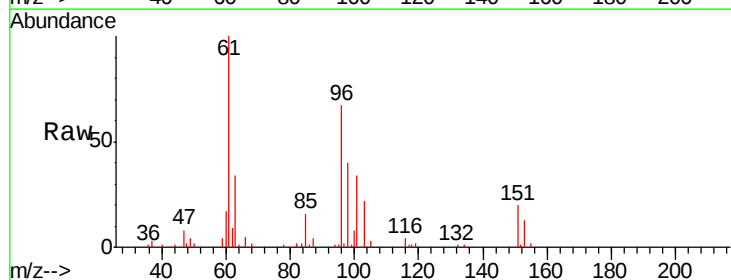
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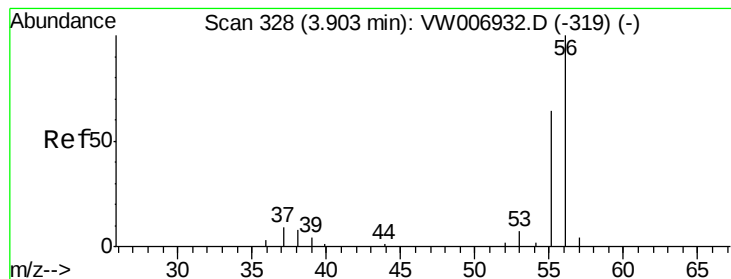
apatel
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#12
1,1-Dichloroethene
Concen: 25.62 ug/l
RT: 4.04 min Scan# 351
Delta R.T. -0.00 min
Lab File: VW006931.D
Acq: 16 Nov 2018 23:44

Tgt Ion: 96 Resp: 22953
Ion Ratio Lower Upper
96 100
61 149.0 127.8 191.8
98 59.9 48.3 72.5





#13

Acrolein

Concen: 158.51 ug/l

RT: 3.91 min Scan# 329

Delta R.T. 0.01 min

Lab File: VW006931.D

Acq: 16 Nov 2018 23:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tgt Ion: 56 Resp: 9971

Ion Ratio Lower Upper

56 100

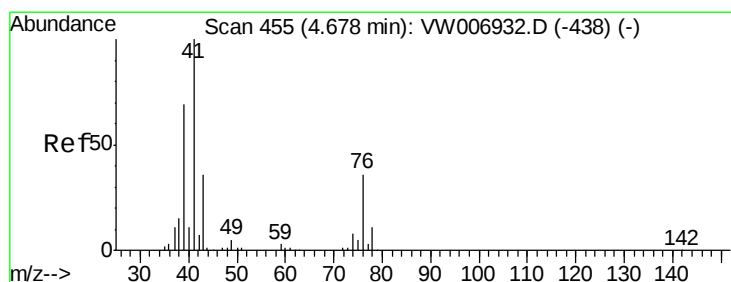
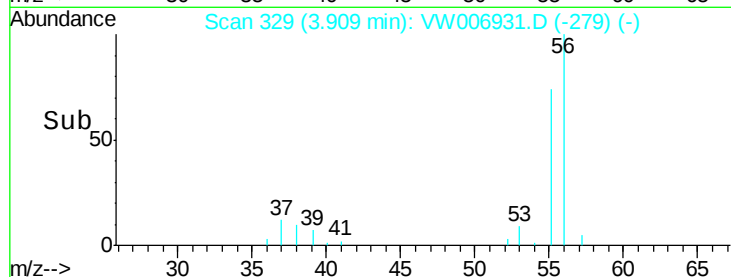
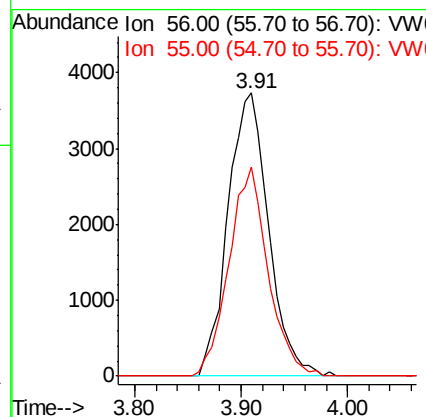
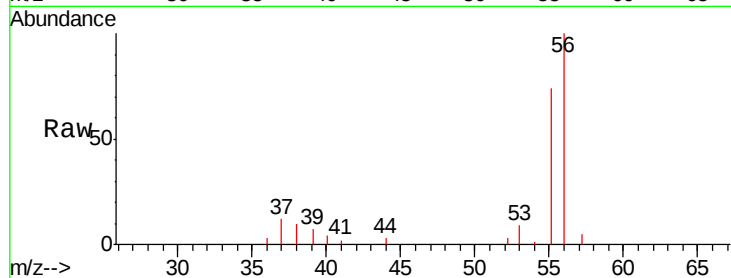
55 71.0 56.5 84.7

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#14

Allyl chloride

Concen: 31.75 ug/l

RT: 4.68 min Scan# 455

Delta R.T. -0.00 min

Lab File: VW006931.D

Acq: 16 Nov 2018 23:44

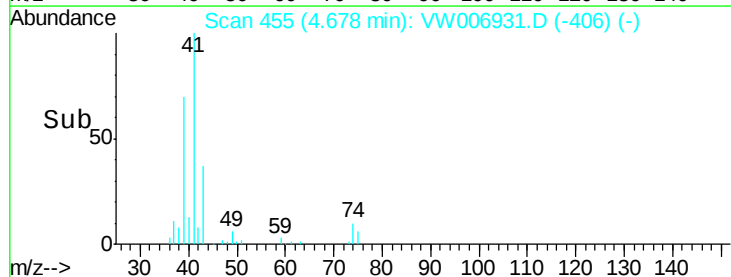
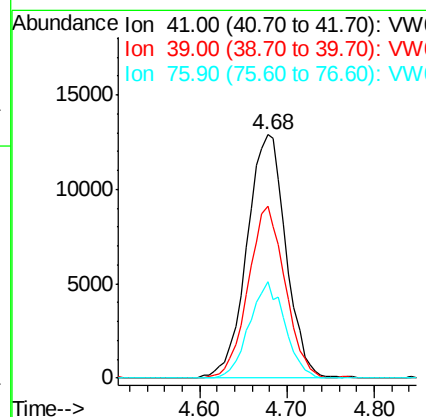
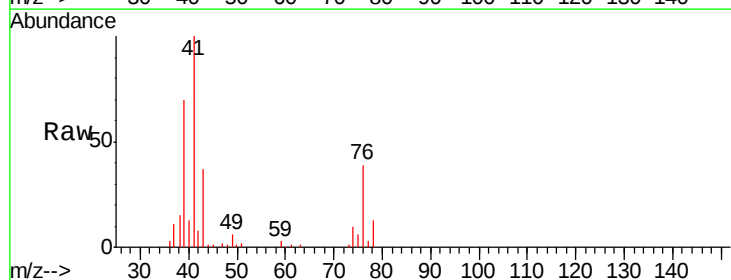
Tgt Ion: 41 Resp: 39860

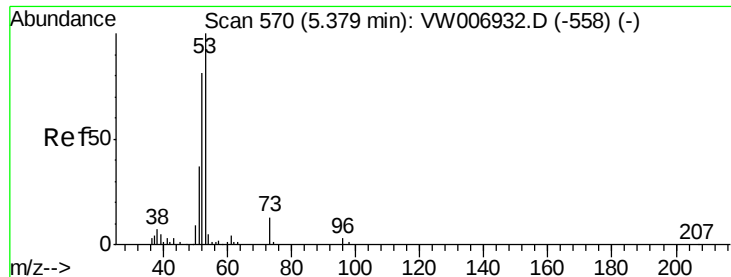
Ion Ratio Lower Upper

41 100

39 66.8 55.0 82.4

76 35.9 28.0 42.0





#15

Acrylonitrile

Concen: 150.61 ug/l

RT: 5.38 min Scan# 571

Delta R.T. 0.01 min

Lab File: VW006931.D

Acq: 16 Nov 2018 23:44

Instrument :

MSVOA_W

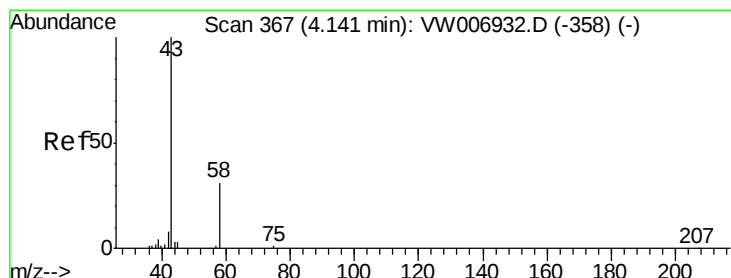
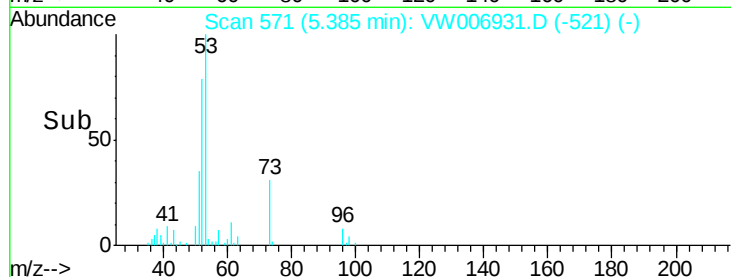
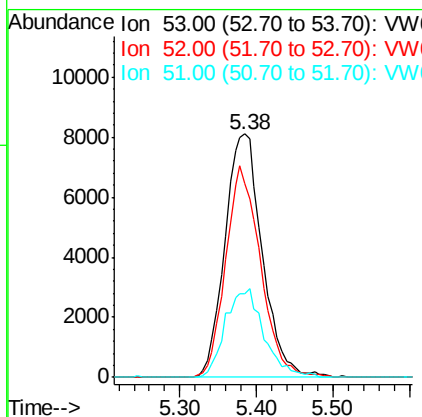
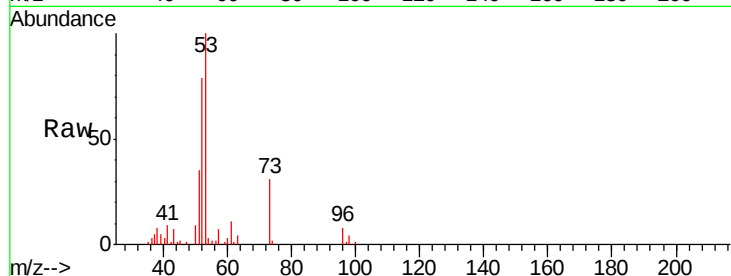
ClientSampleId :

VSTDIC020

Tgt Ion:	53	Resp:	27413
Ion	Ratio	Lower	Upper
53	100		
52	81.1	67.0	100.6
51	37.5	29.8	44.6

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#16

Acetone

Concen: 150.63 ug/l

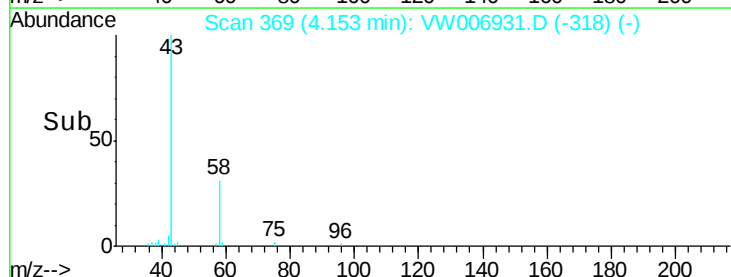
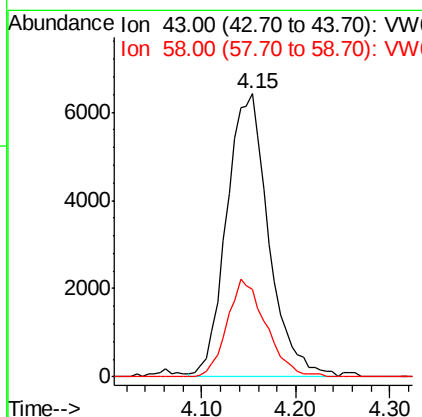
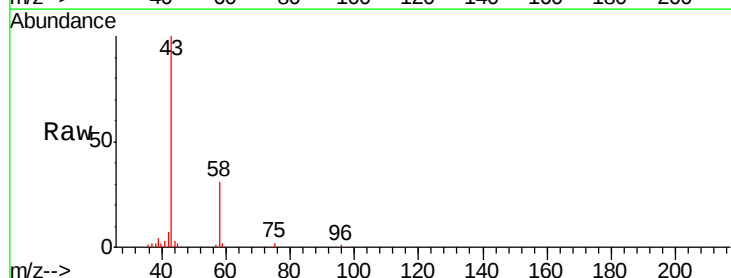
RT: 4.15 min Scan# 369

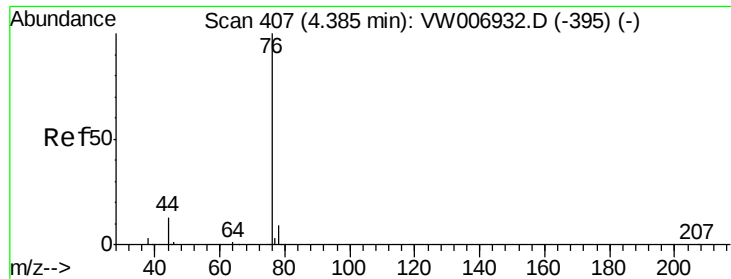
Delta R.T. 0.01 min

Lab File: VW006931.D

Acq: 16 Nov 2018 23:44

Tgt Ion:	43	Resp:	19999
Ion	Ratio	Lower	Upper
43	100		
58	30.8	24.2	36.4





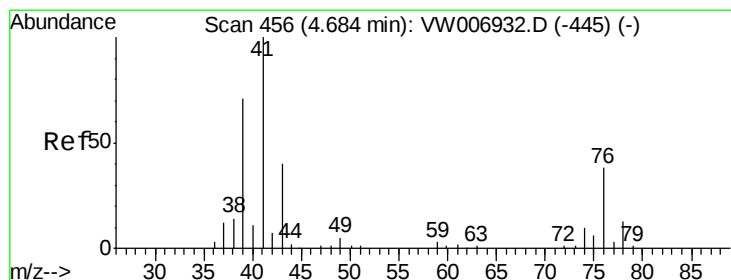
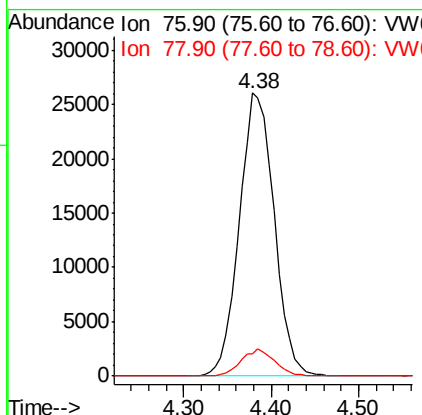
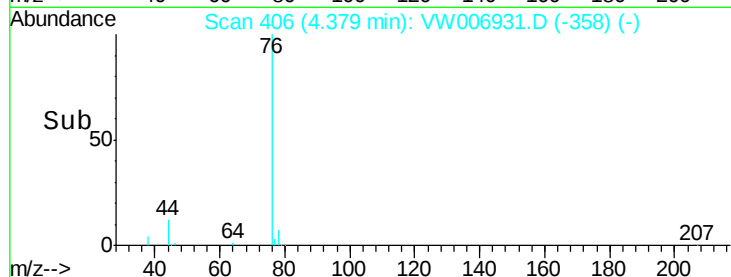
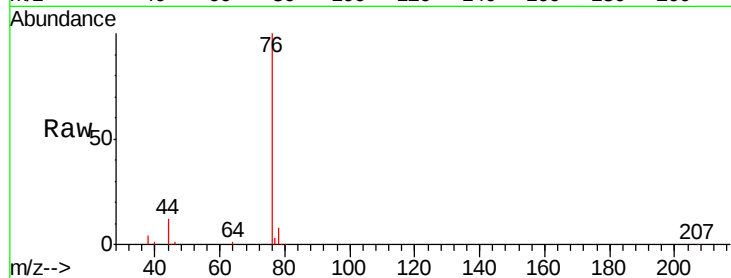
#17
Carbon Disulfide
Concen: 25.47 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW006931.D
Acq: 16 Nov 2018 23:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tgt Ion: 76 Resp: 72176
Ion Ratio Lower Upper
76 100
78 7.9 7.1 10.7

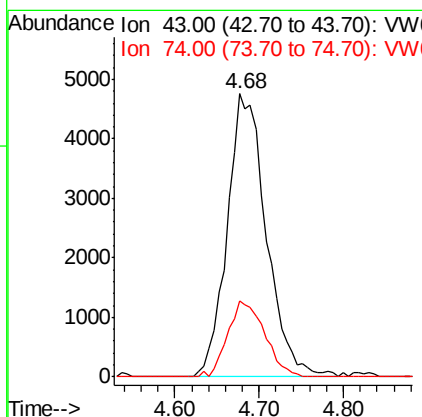
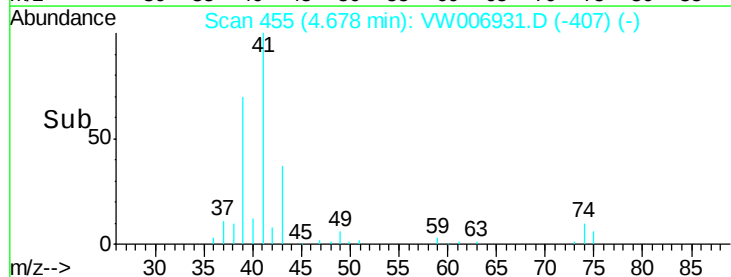
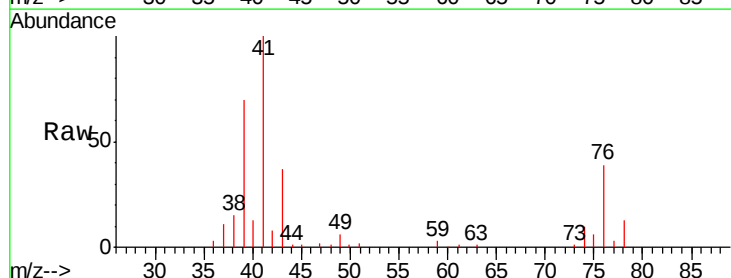
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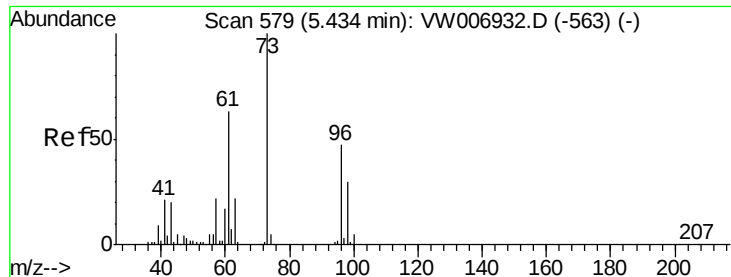
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#18
Methyl Acetate
Concen: 32.84 ug/l
RT: 4.68 min Scan# 455
Delta R.T. -0.01 min
Lab File: VW006931.D
Acq: 16 Nov 2018 23:44

Tgt Ion: 43 Resp: 14966
Ion Ratio Lower Upper
43 100
74 25.3 20.3 30.5





#19

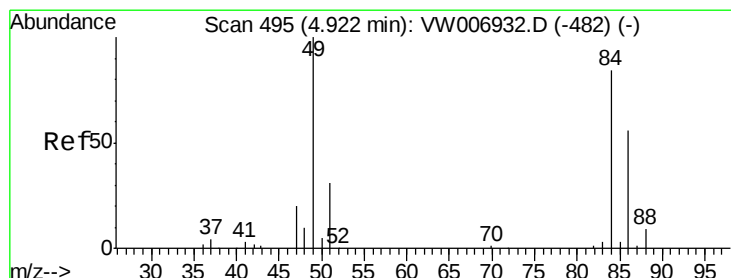
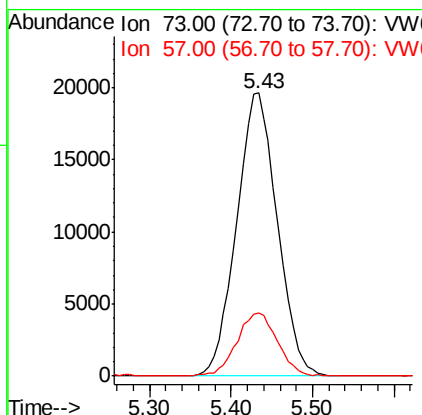
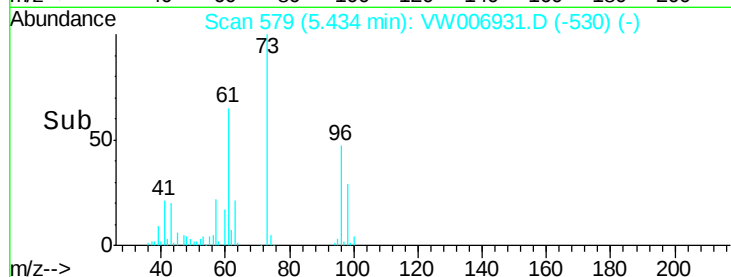
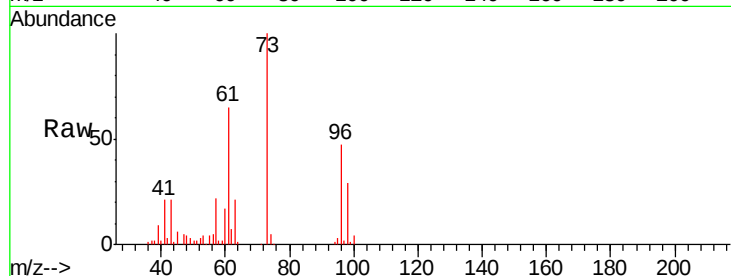
Methyl tert-butyl Ether
Concen: 30.61 ug/l
RT: 5.43 min Scan# 579
Delta R.T. -0.00 min
Lab File: VW006931.D
Acq: 16 Nov 2018 23:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tgt Ion: 73 Resp: 67929
Ion Ratio Lower Upper
73 100
57 22.2 17.5 26.3

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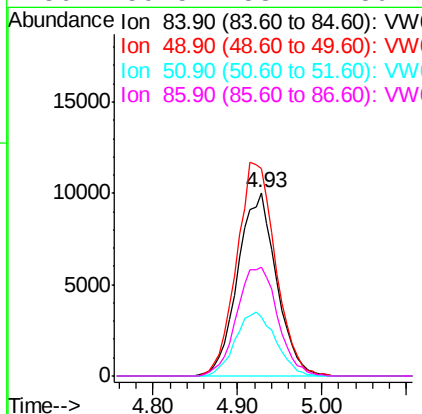
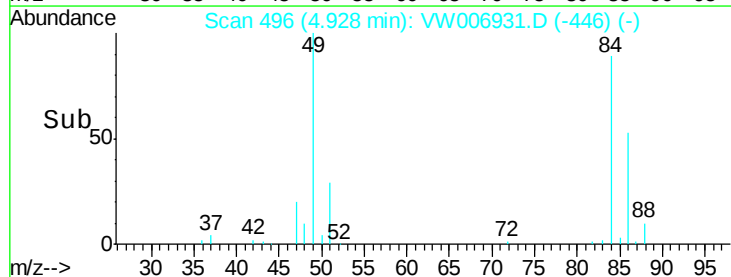
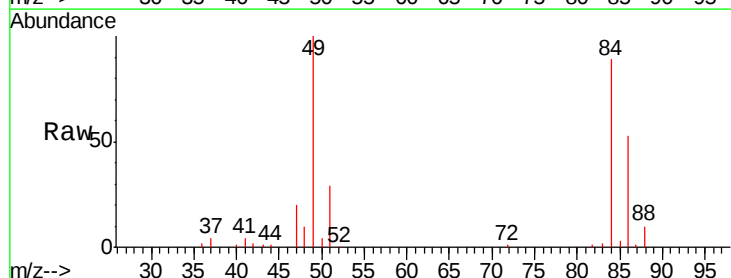
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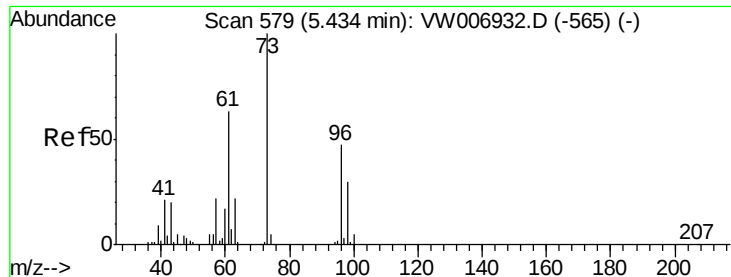


#20

Methylene Chloride
Concen: 22.46 ug/l
RT: 4.93 min Scan# 496
Delta R.T. 0.01 min
Lab File: VW006931.D
Acq: 16 Nov 2018 23:44

Tgt Ion: 84 Resp: 31111
Ion Ratio Lower Upper
84 100
49 112.9 95.4 143.2
51 32.2 29.5 44.3
86 59.5 53.4 80.2





#21

trans-1,2-Dichloroethene

Concen: 25.26 ug/l

RT: 5.43 min Scan# 579

Delta R.T. -0.00 min

Lab File: VW006931.D

Acq: 16 Nov 2018 23:44

Instrument :

MSVOA_W

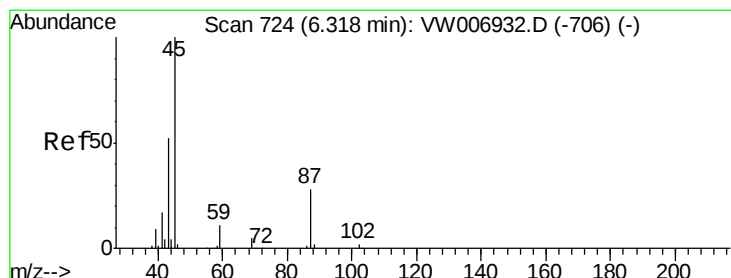
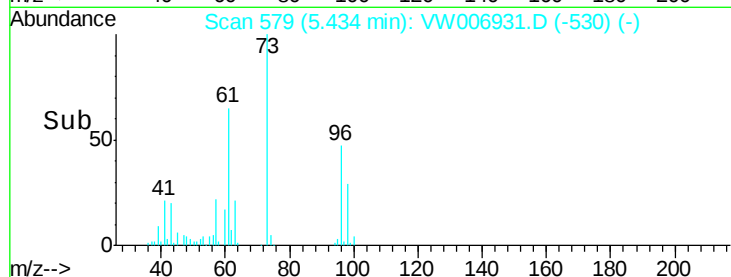
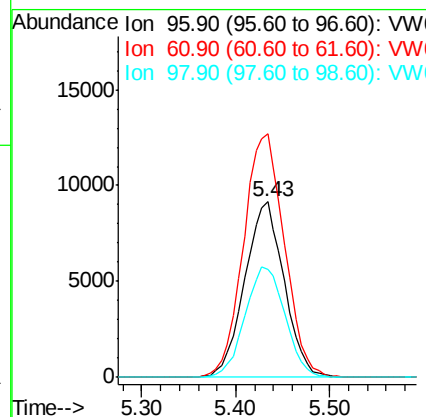
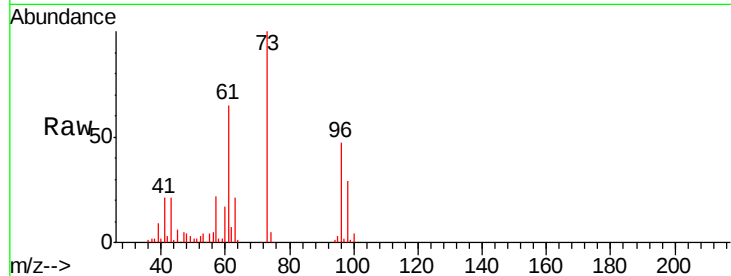
ClientSampleId :

VSTDIC020

Tgt Ion:	96	Resp:	26719
Ion	Ratio	Lower	Upper
96	100		
61	139.0	108.2	162.4
98	61.5	50.6	76.0

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#22

Diisopropyl ether

Concen: 32.10 ug/l

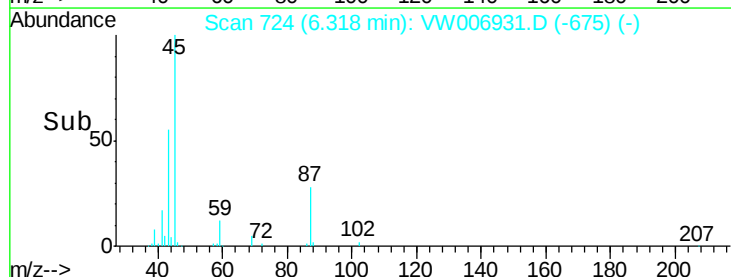
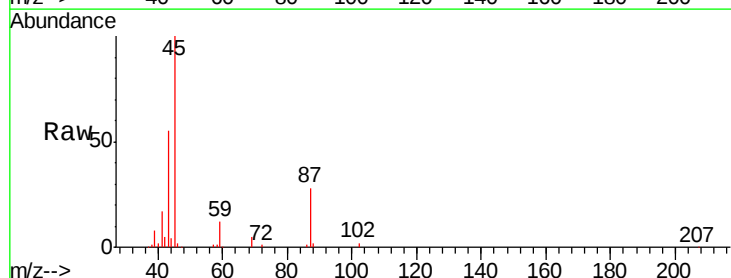
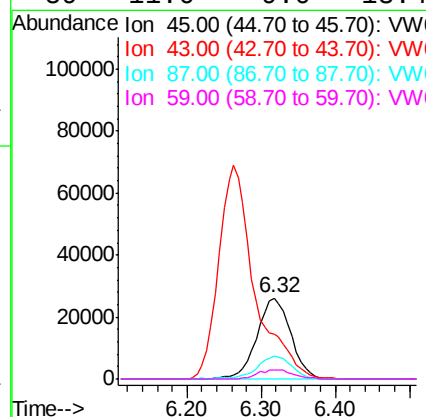
RT: 6.32 min Scan# 724

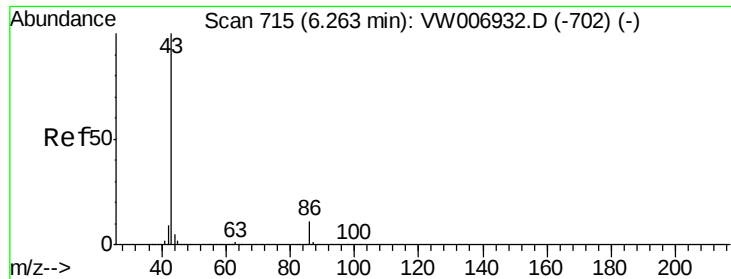
Delta R.T. -0.00 min

Lab File: VW006931.D

Acq: 16 Nov 2018 23:44

Tgt Ion:	45	Resp:	83001
Ion	Ratio	Lower	Upper
45	100		
43	54.2	43.1	64.7
87	27.9	22.7	34.1
59	11.6	9.0	13.4





#23

Vinyl Acetate

Concen: 158.74 ug/l

RT: 6.26 min Scan# 715

Delta R.T. -0.00 min

Lab File: VW006931.D

Acq: 16 Nov 2018 23:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tgt Ion: 43 Resp: 231146

Ion Ratio Lower Upper

43 100

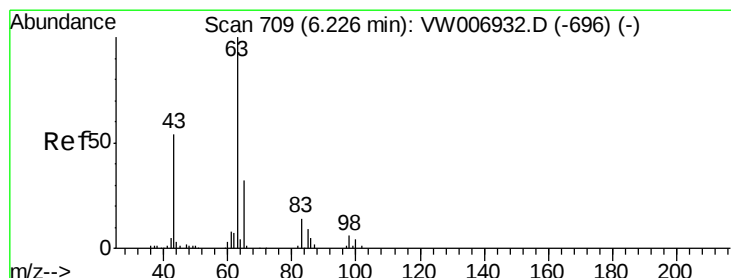
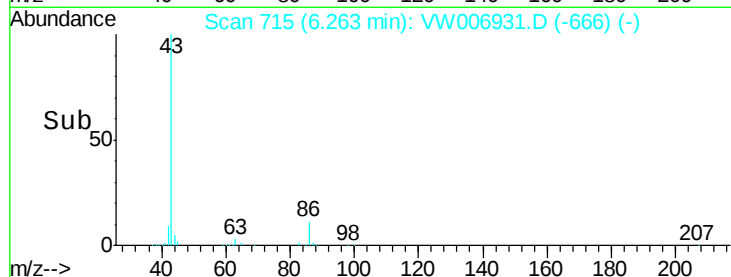
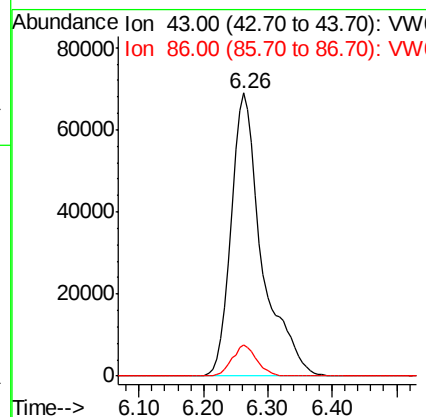
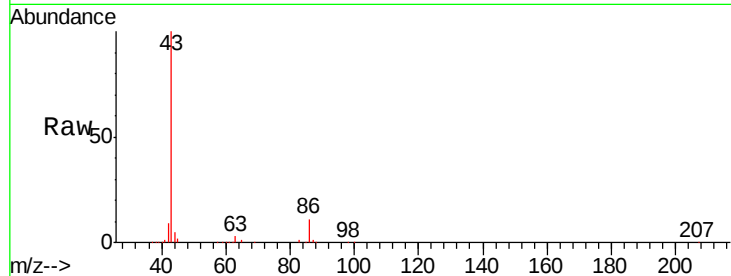
86 10.8 8.7 13.1

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#24

1,1-Dichloroethane

Concen: 27.91 ug/l

RT: 6.22 min Scan# 708

Delta R.T. -0.01 min

Lab File: VW006931.D

Acq: 16 Nov 2018 23:44

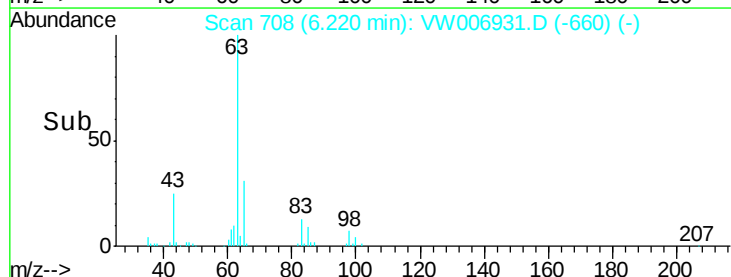
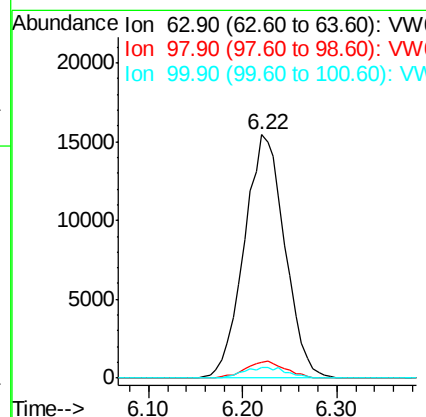
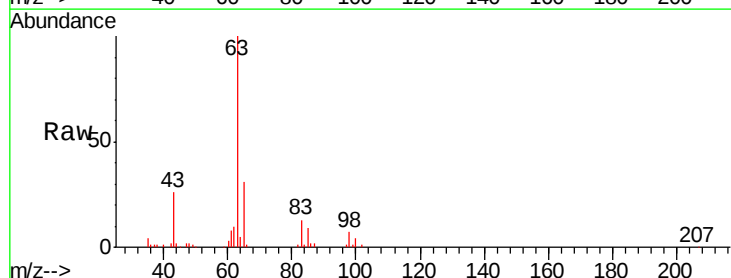
Tgt Ion: 63 Resp: 46498

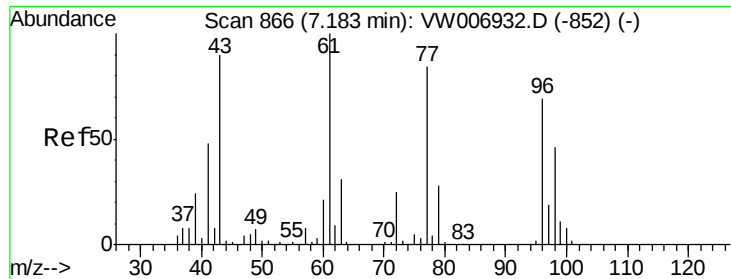
Ion Ratio Lower Upper

63 100

98 6.6 3.2 9.6

100 4.2 2.1 6.5





#25

2-Butanone

Concen: 155.94 ug/l

RT: 7.18 min Scan# 866

Delta R.T. -0.00 min

Lab File: VW006931.D

Acq: 16 Nov 2018 23:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tgt Ion: 43 Resp: 34774

Ion Ratio Lower Upper

43 100

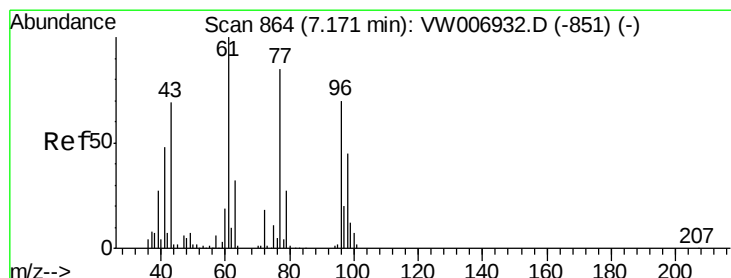
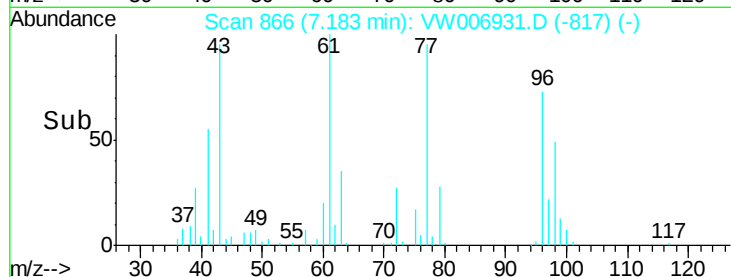
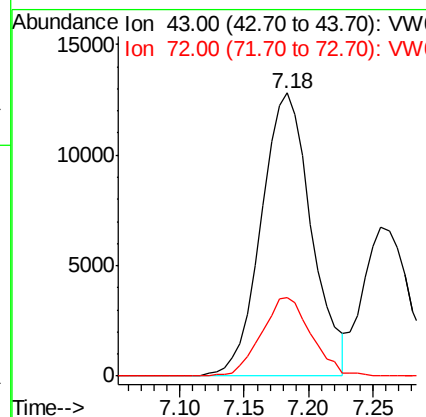
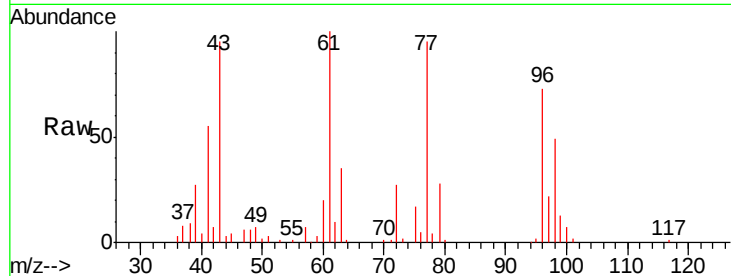
72 27.8 22.1 33.1

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#26

2,2-Dichloropropane

Concen: 25.33 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW006931.D

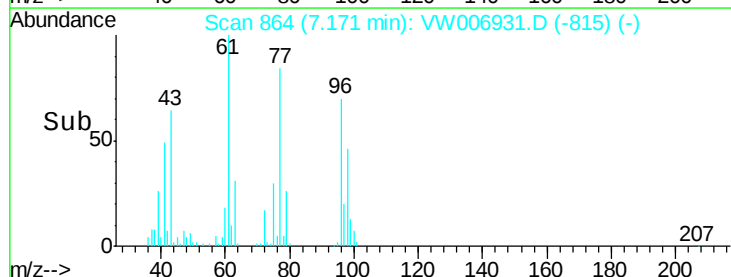
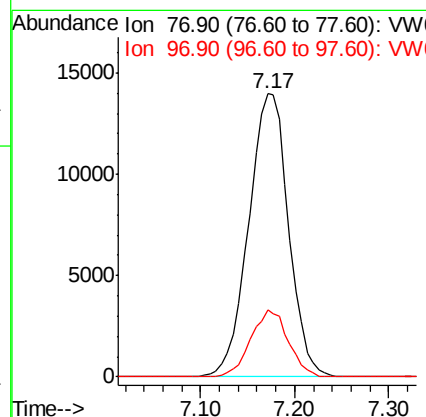
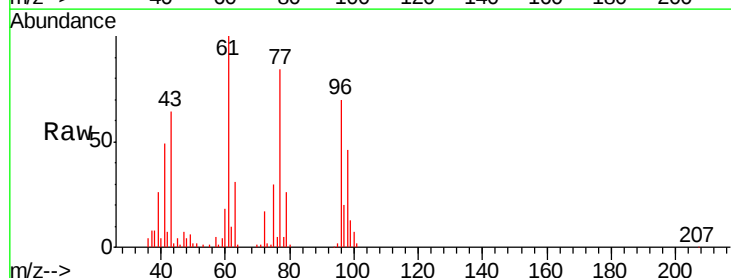
Acq: 16 Nov 2018 23:44

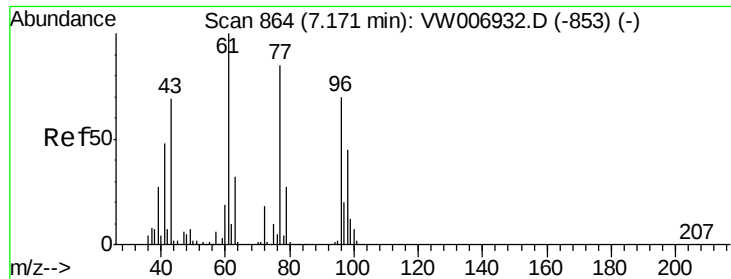
Tgt Ion: 77 Resp: 41181

Ion Ratio Lower Upper

77 100

97 22.1 11.3 33.9





#27

cis-1,2-Dichloroethene

Concen: 26.39 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW006931.D

Acq: 16 Nov 2018 23:44

Instrument :

MSVOA_W

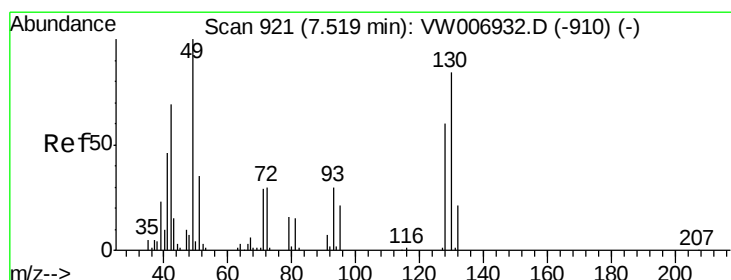
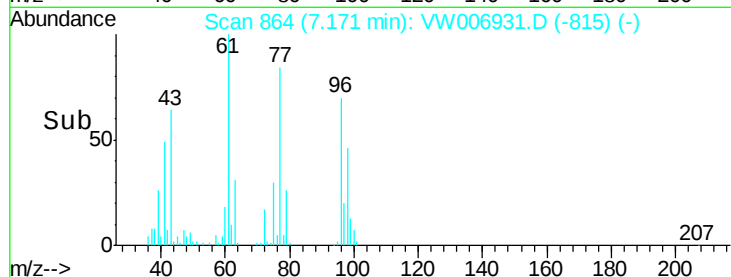
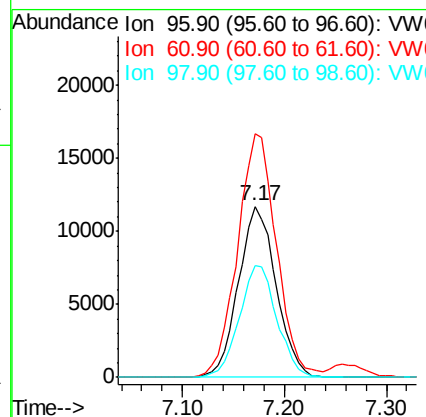
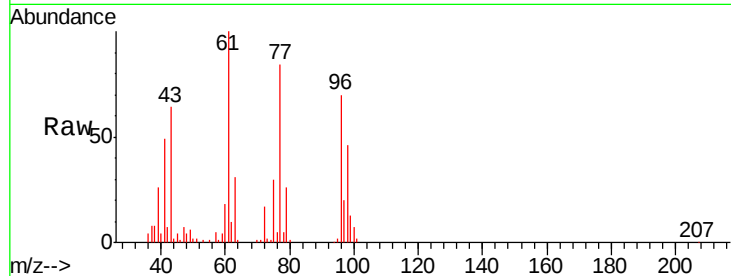
ClientSampleId :

VSTDIC020

Tgt Ion:	96	Resp:	29990
Ion	Ratio	Lower	Upper
96	100		
61	147.5	0.0	293.8
98	65.0	0.0	131.0

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#28

Bromochloromethane

Concen: 27.89 ug/l

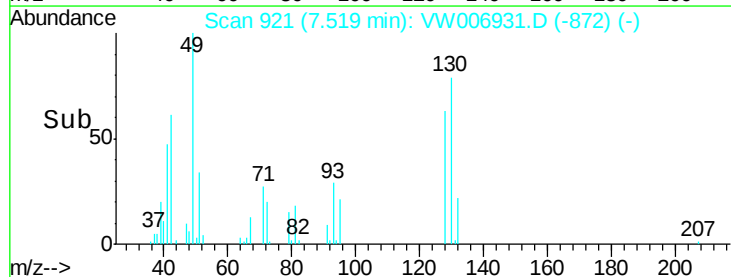
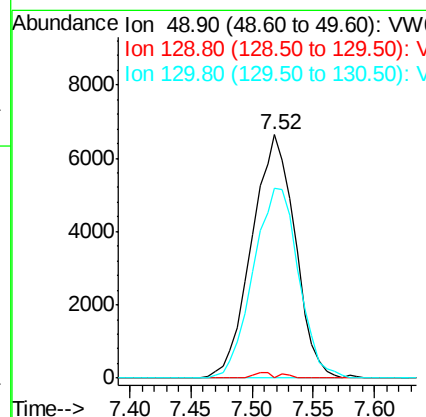
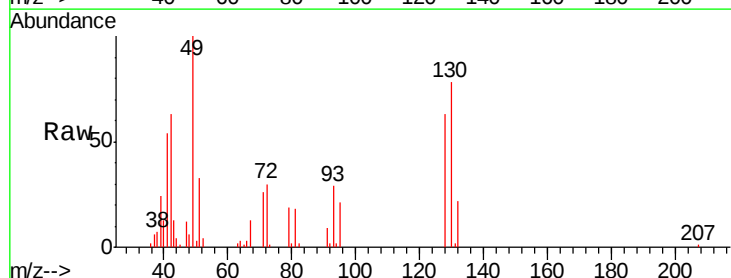
RT: 7.52 min Scan# 921

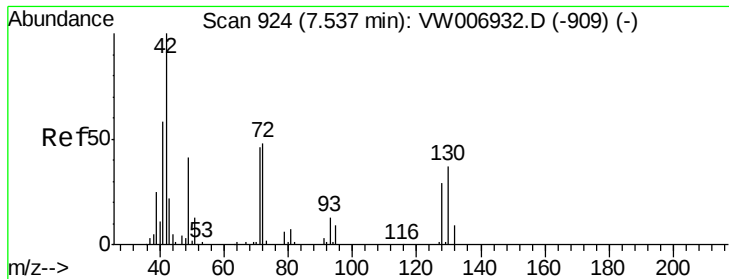
Delta R.T. -0.00 min

Lab File: VW006931.D

Acq: 16 Nov 2018 23:44

Tgt Ion:	49	Resp:	16356
Ion	Ratio	Lower	Upper
49	100		
129	0.9	0.0	1.6
130	81.9	66.1	99.1





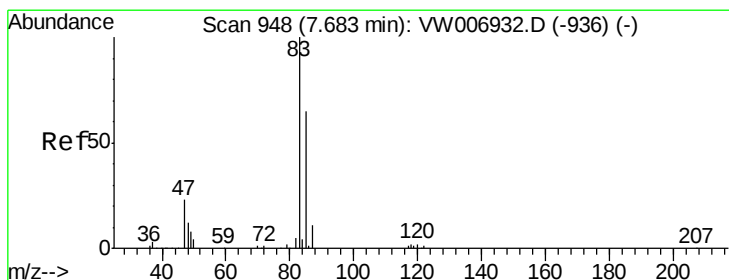
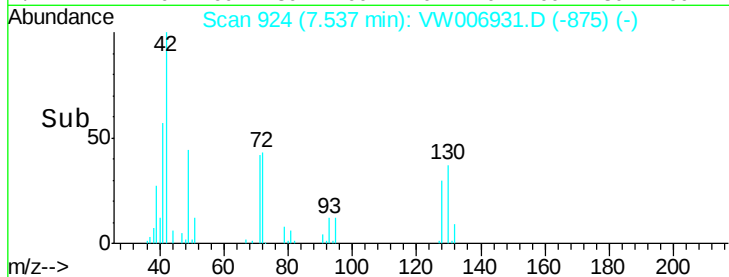
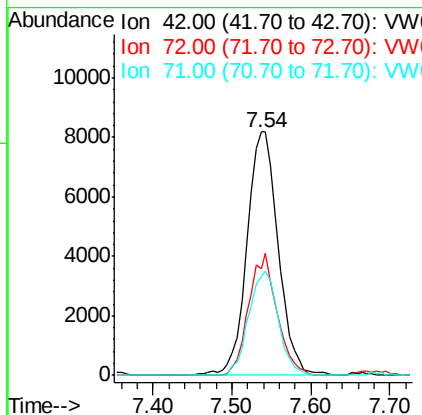
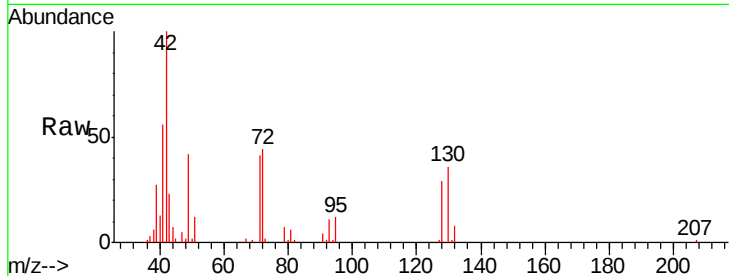
#29
Tetrahydrofuran
Concen: 157.96 ug/l
RT: 7.54 min Scan# 924
Delta R.T. -0.00 min
Lab File: VW006931.D
Acq: 16 Nov 2018 23:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
42	100		
72	45.4	35.7	53.5
71	40.4	33.7	50.5

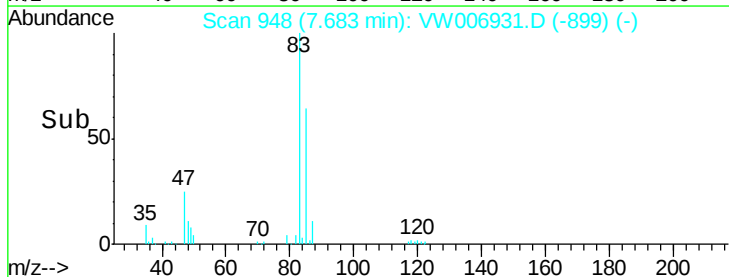
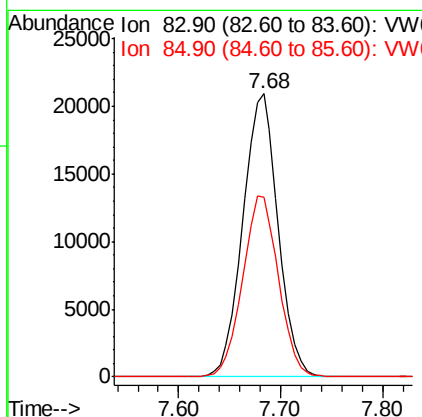
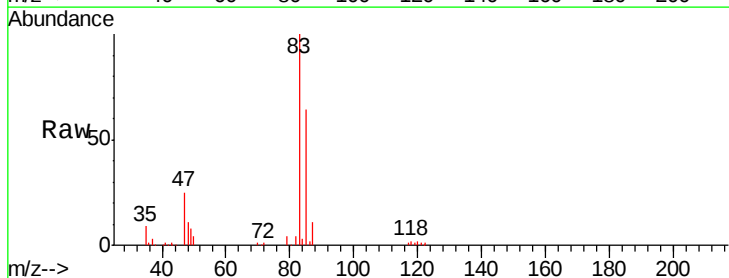
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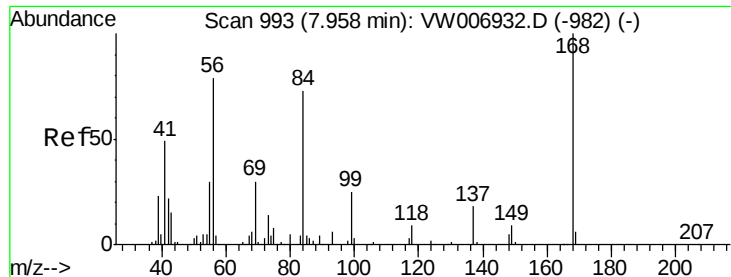
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#30
Chloroform
Concen: 27.82 ug/l
RT: 7.68 min Scan# 948
Delta R.T. -0.00 min
Lab File: VW006931.D
Acq: 16 Nov 2018 23:44

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.5	52.2	78.4





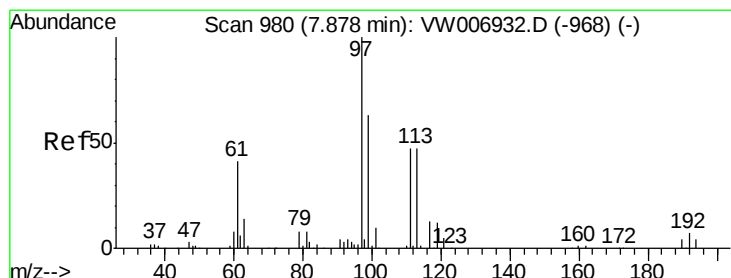
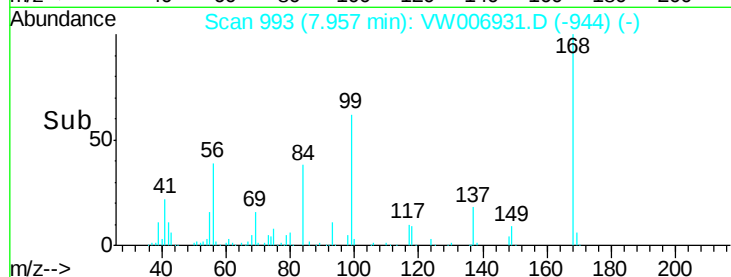
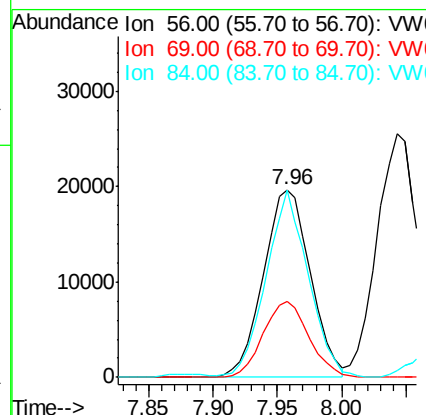
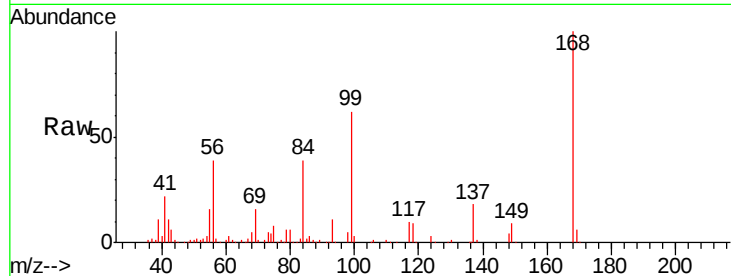
#31
Cyclohexane
Concen: 29.48 ug/l
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW006931.D
Acq: 16 Nov 2018 23:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
56	100		
69	40.2	30.2	45.2
84	98.8	73.6	110.4

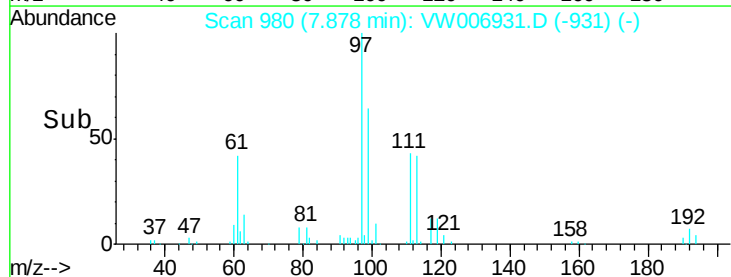
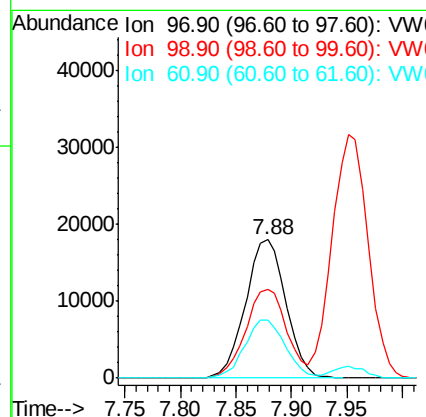
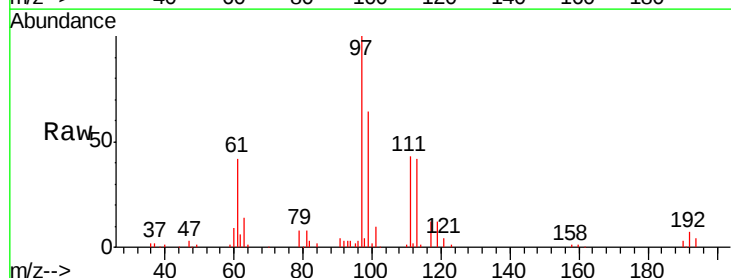
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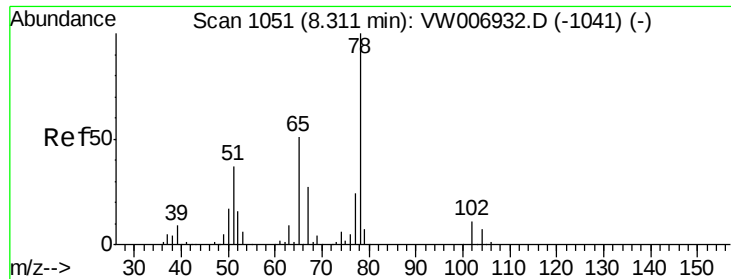
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#32
1,1,1-Trichloroethane
Concen: 26.46 ug/l
RT: 7.88 min Scan# 980
Delta R.T. -0.00 min
Lab File: VW006931.D
Acq: 16 Nov 2018 23:44

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.7	51.0	76.6
61	42.8	34.2	51.2





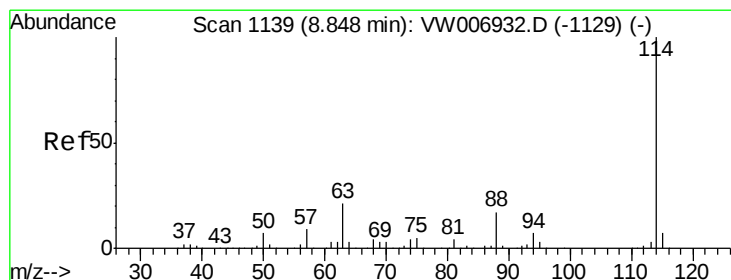
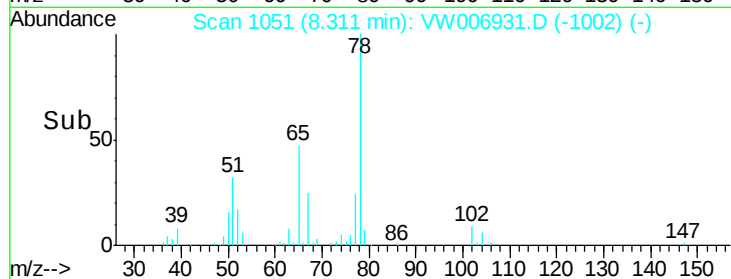
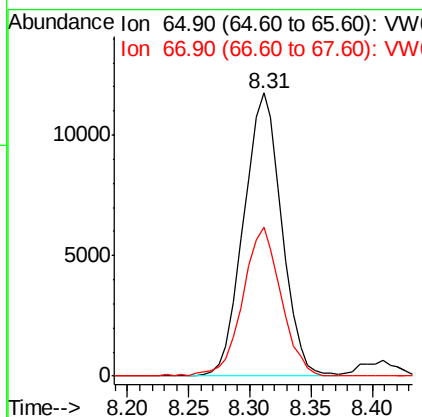
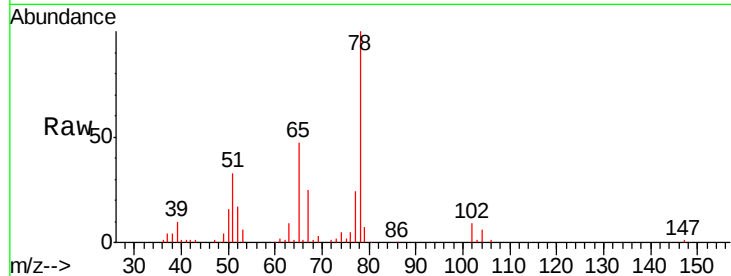
#33
 1,2-Dichloroethane-d4
 Concen: 27.57 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VW006931.D
 Acq: 16 Nov 2018 23:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	25370		
67	52.9	0.0	104.0	

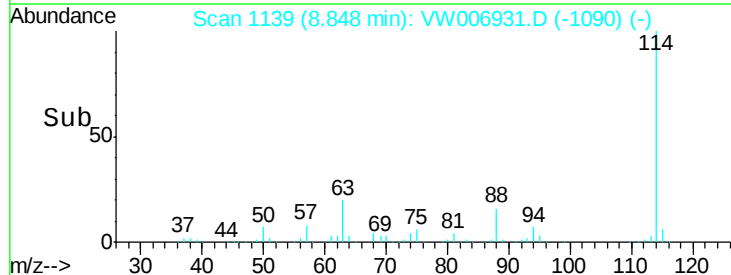
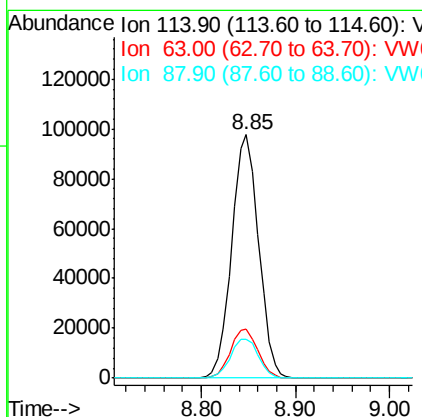
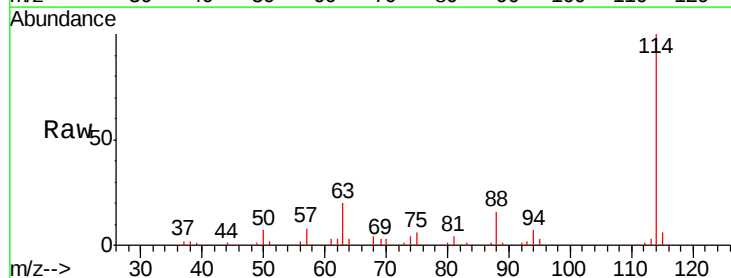
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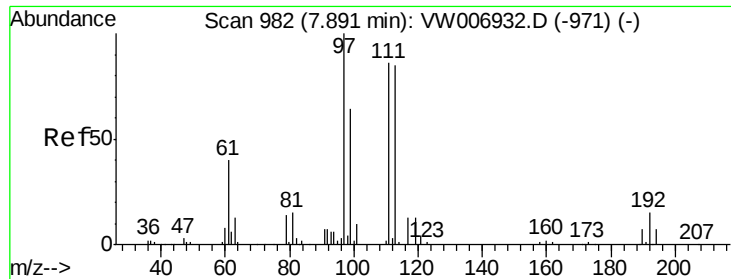
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW006931.D
 Acq: 16 Nov 2018 23:44

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	193219		
63	20.2	0.0	42.2	
88	16.0	0.0	33.4	





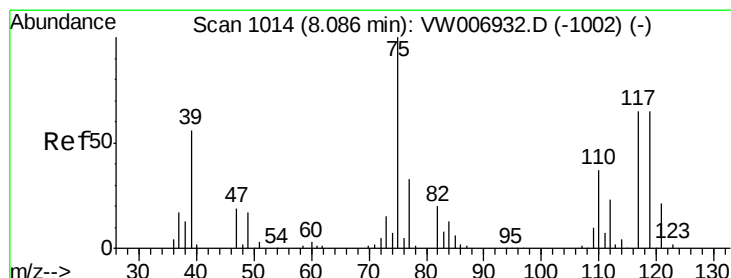
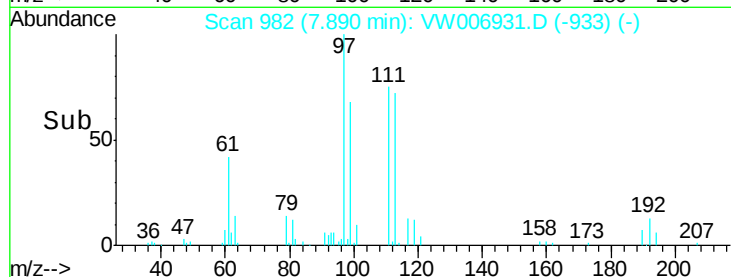
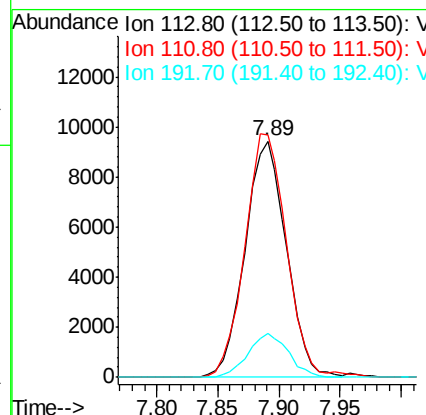
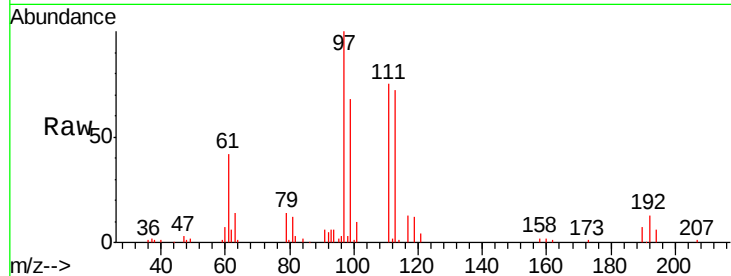
#35
Dibromofluoromethane
Concen: 18.97 ug/l
RT: 7.89 min Scan# 982
Delta R.T. -0.00 min
Lab File: VW006931.D
Acq: 16 Nov 2018 23:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.5	81.7	122.5
192	18.0	13.9	20.9

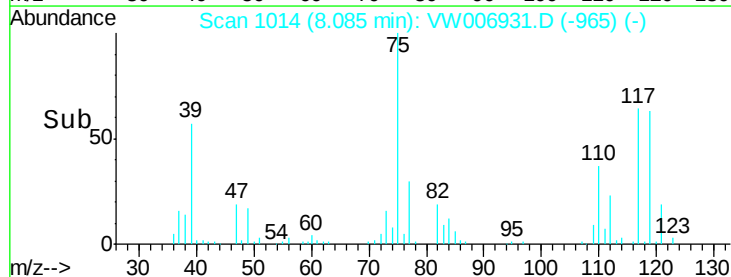
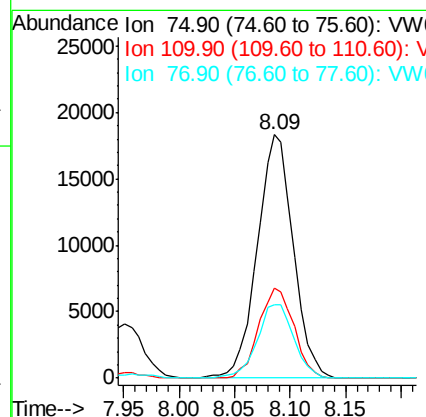
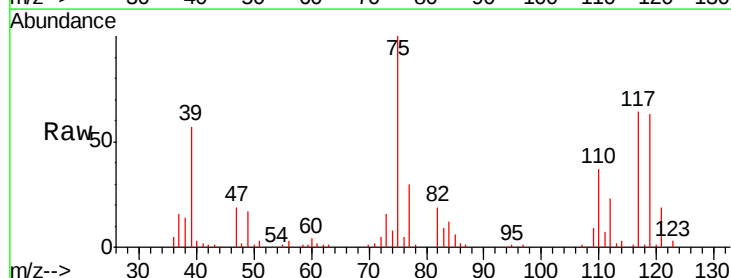
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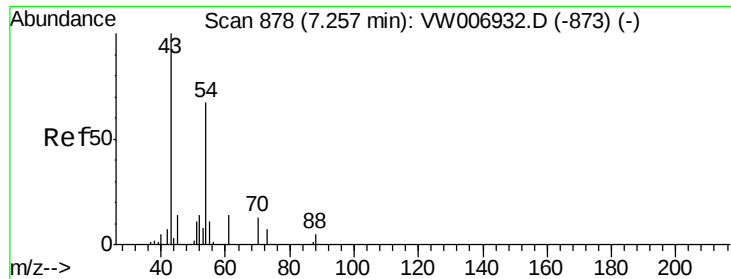
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#36
1,1-Dichloropropene
Concen: 22.83 ug/l
RT: 8.09 min Scan# 1014
Delta R.T. -0.00 min
Lab File: VW006931.D
Acq: 16 Nov 2018 23:44

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.3	18.1	54.1
77	30.7	25.4	38.0





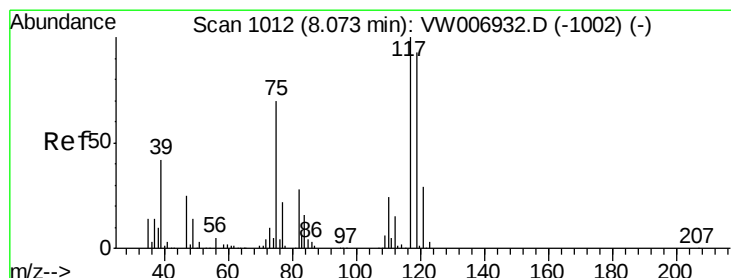
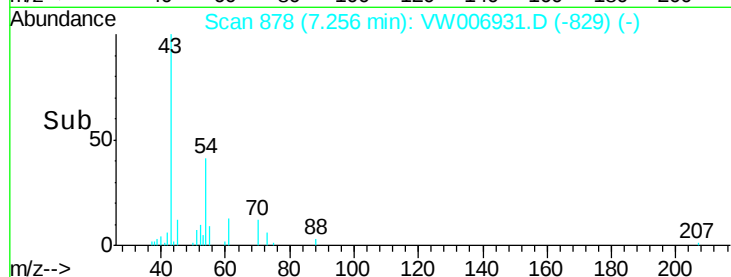
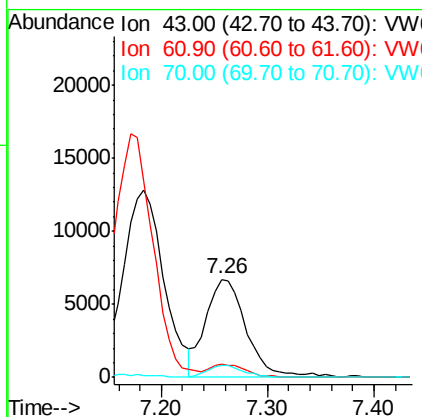
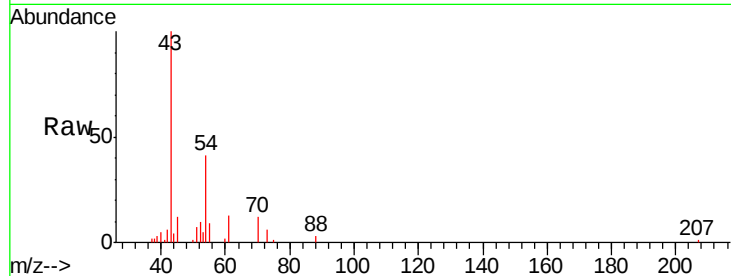
#37
Ethyl Acetate
Concen: 28.77 ug/l
RT: 7.26 min Scan# 878
Delta R.T. -0.00 min
Lab File: VW006931.D
Acq: 16 Nov 2018 23:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
43	100		
61	11.5	11.0	16.6
70	10.6	8.8	13.2

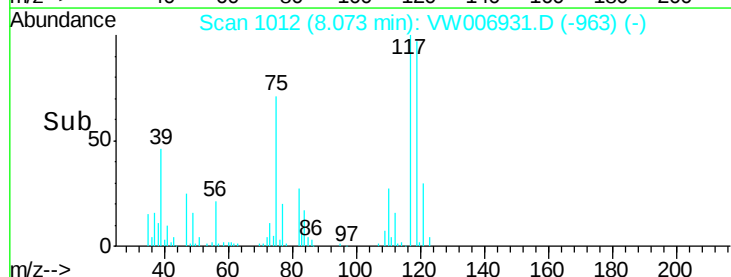
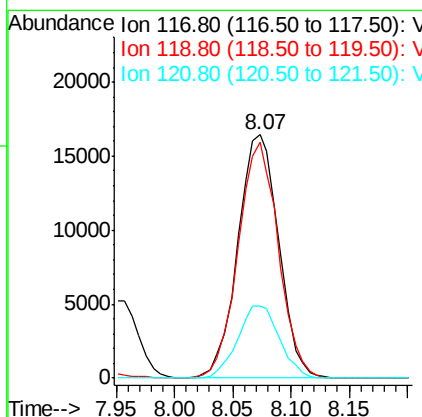
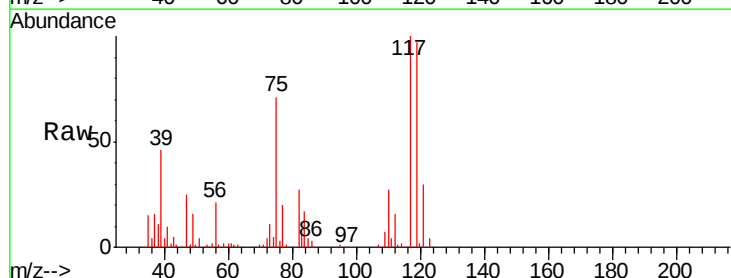
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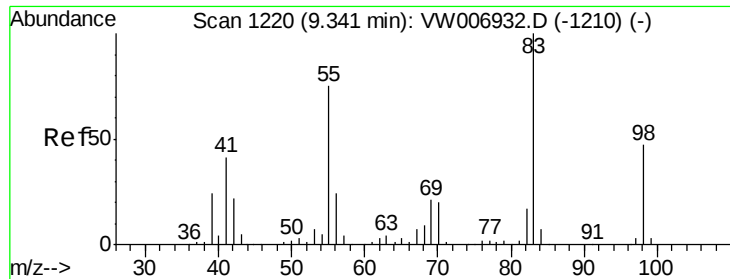
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#38
Carbon Tetrachloride
Concen: 20.76 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VW006931.D
Acq: 16 Nov 2018 23:44

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.0	74.2	111.4
121	29.7	23.5	35.3





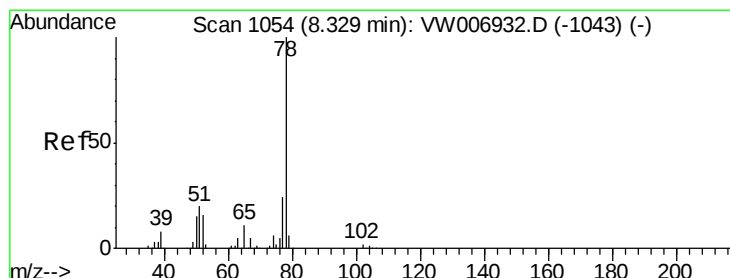
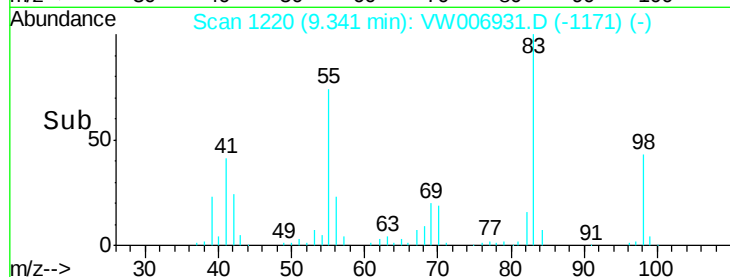
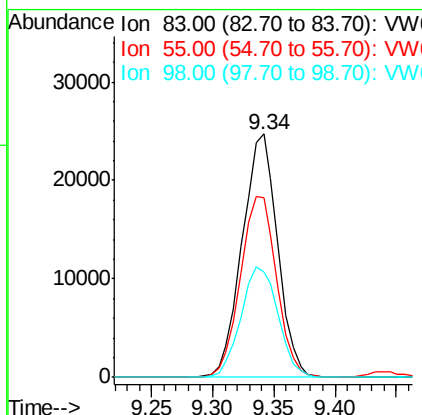
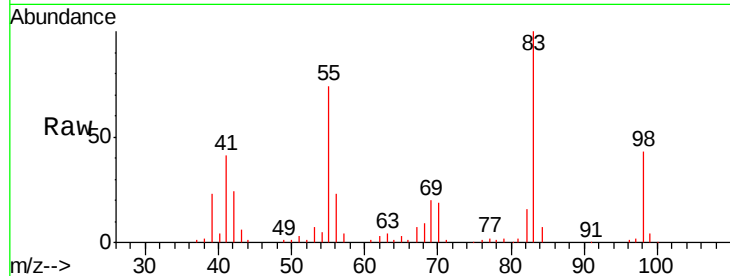
#39
Methylcyclohexane
Concen: 21.43 ug/l
RT: 9.34 min Scan# 1220
Delta R.T. -0.00 min
Lab File: VW006931.D
Acq: 16 Nov 2018 23:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
83	100		
55	73.8	60.2	90.4
98	43.2	37.3	55.9

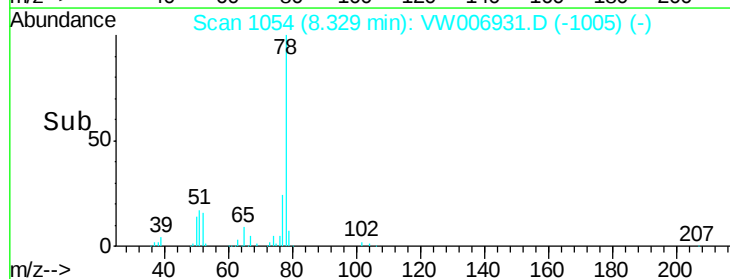
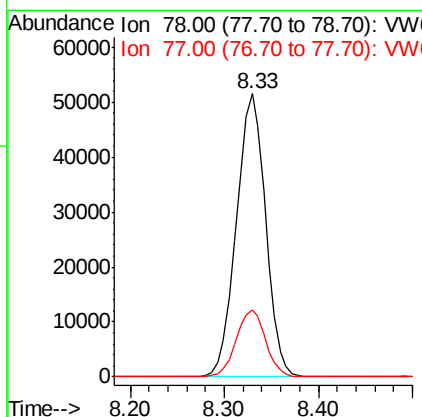
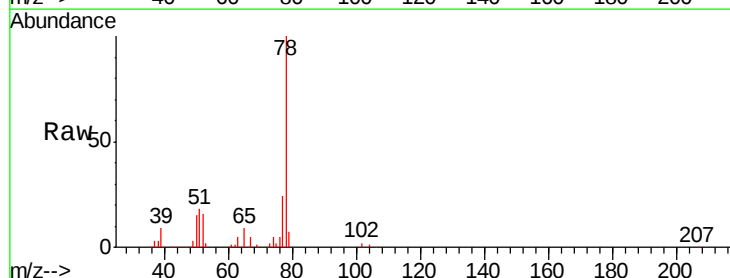
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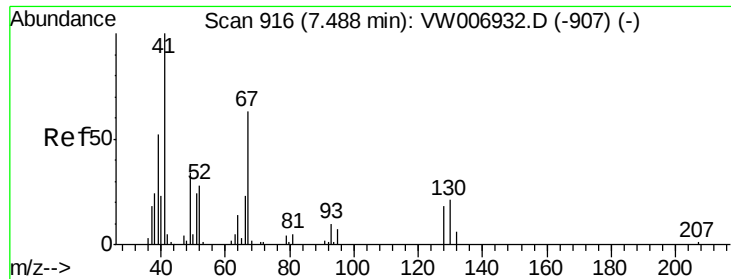
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#40
Benzene
Concen: 22.06 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. -0.00 min
Lab File: VW006931.D
Acq: 16 Nov 2018 23:44

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.3	28.9





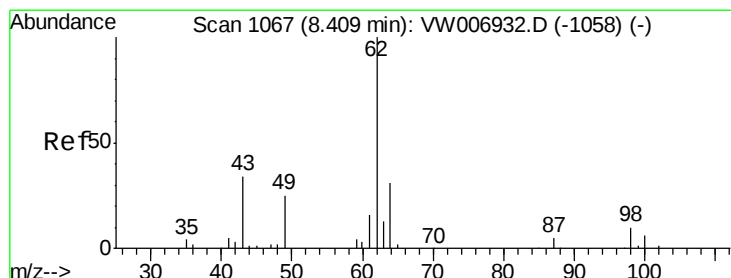
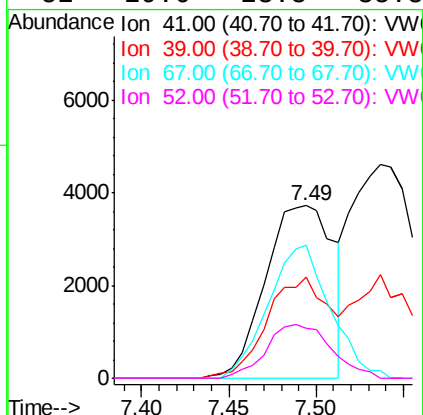
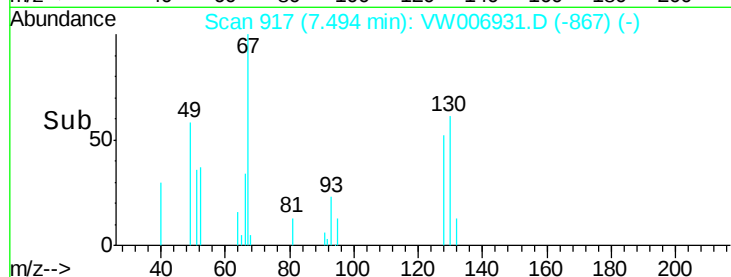
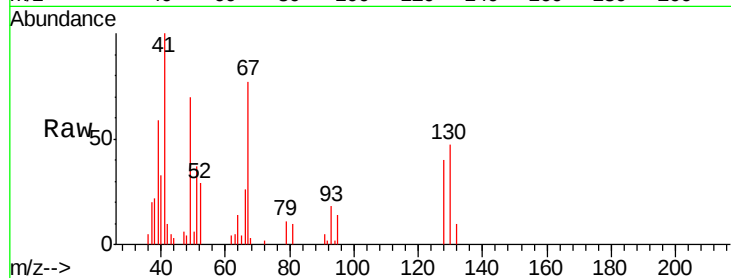
#41
Methacrylonitrile
Concen: 26.42 ug/l
RT: 7.49 min Scan# 917
Delta R.T. 0.01 min
Lab File: VW006931.D
Acq: 16 Nov 2018 23:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tgt Ion:	41	Resp:	10079
Ion	Ratio	Lower	Upper
41	100		
39	54.0	41.8	62.6
67	70.8	54.7	82.1
52	29.6	23.8	35.8

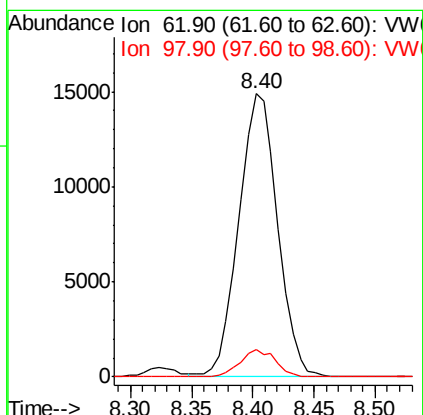
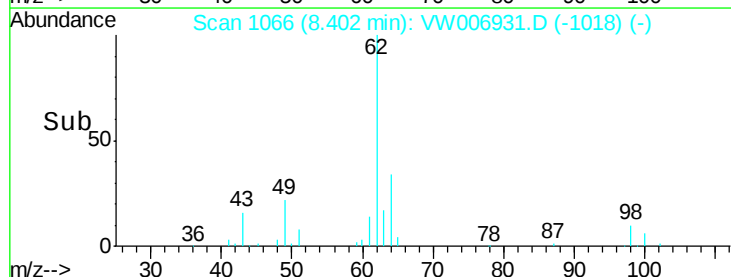
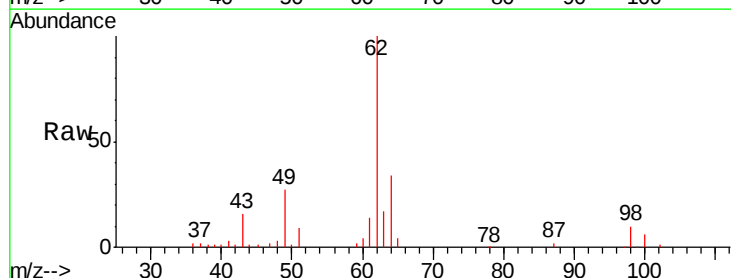
Manual Integrations
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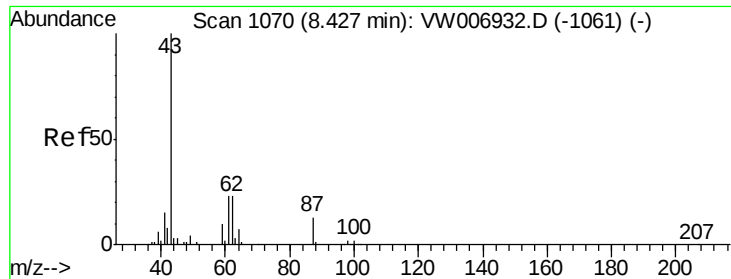
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#42
1,2-Dichloroethane
Concen: 23.84 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. -0.01 min
Lab File: VW006931.D
Acq: 16 Nov 2018 23:44

Tgt Ion:	62	Resp:	32810
Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	18.2





#43

Isopropyl Acetate

Concen: 26.58 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW006931.D

Acq: 16 Nov 2018 23:44

Instrument :

MSVOA_W

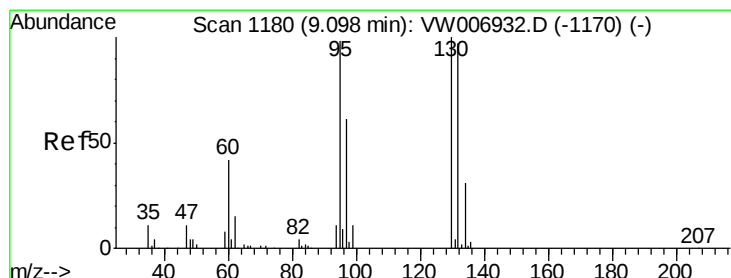
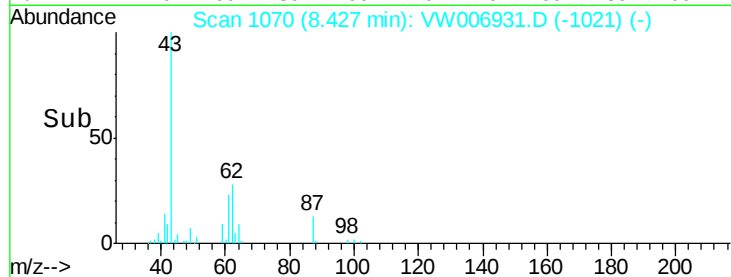
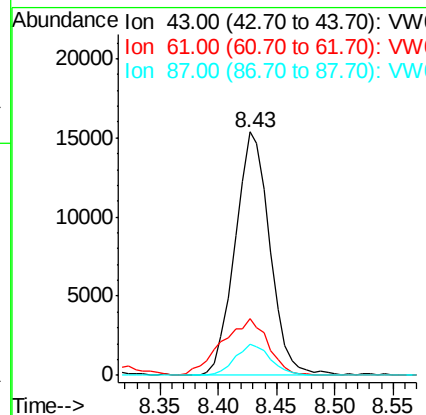
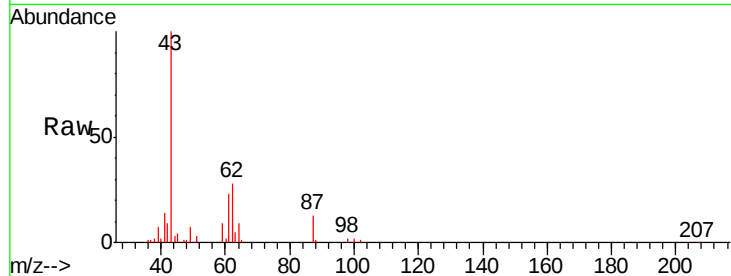
ClientSampleId :

VSTDIC020

Tgt Ion:	43	Resp:	32011
Ion Ratio	Lower	Upper	
43	100		
61	30.6	24.6	37.0
87	13.0	11.0	16.6

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#44

Trichloroethene

Concen: 19.64 ug/l

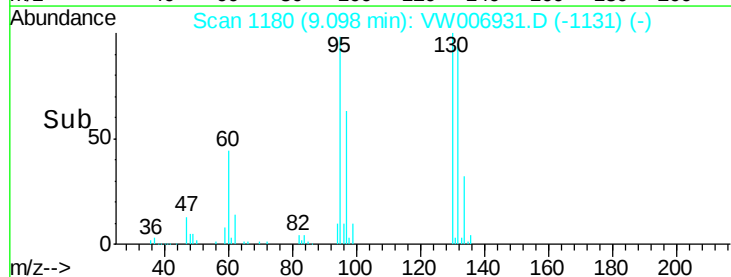
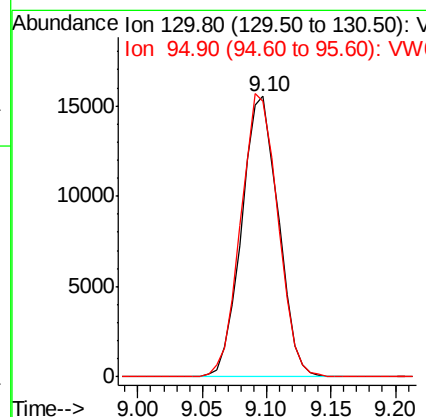
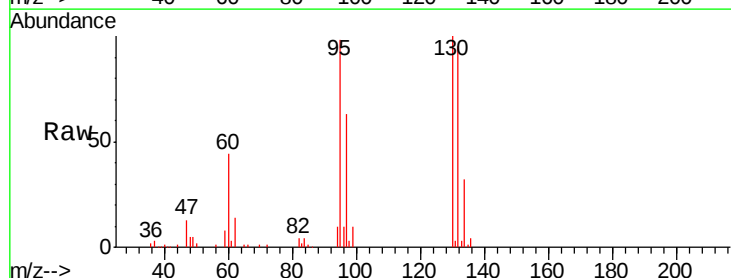
RT: 9.10 min Scan# 1180

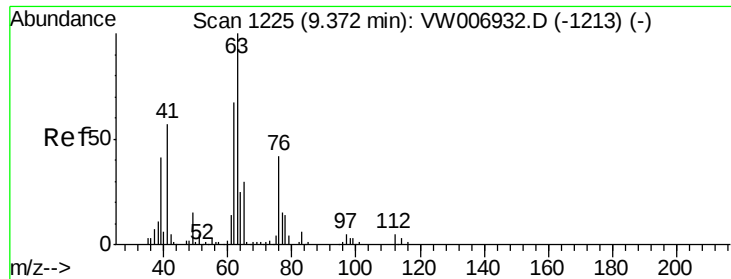
Delta R.T. -0.00 min

Lab File: VW006931.D

Acq: 16 Nov 2018 23:44

Tgt Ion:	130	Resp:	30601
Ion Ratio	Lower	Upper	
130	100		
95	98.4	0.0	196.4





#45

1,2-Dichloropropane

Concen: 24.02 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. -0.00 min

Lab File: VW006931.D

Acq: 16 Nov 2018 23:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tgt Ion: 63 Resp: 28647

Ion Ratio Lower Upper

63 100

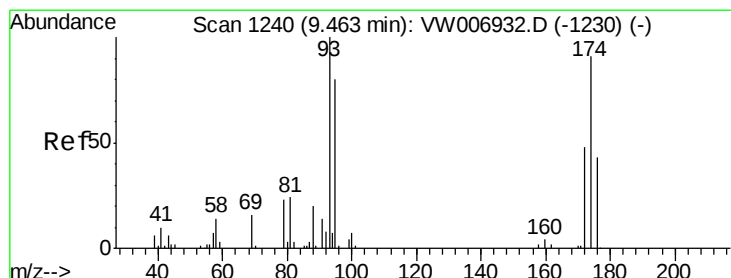
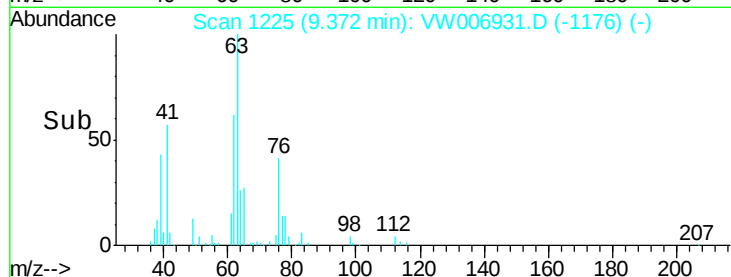
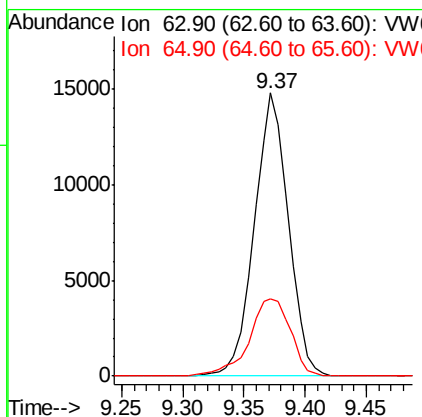
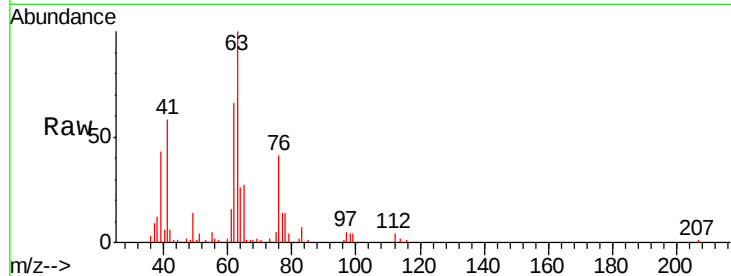
65 27.5 23.9 35.9

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#46

Dibromomethane

Concen: 21.34 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VW006931.D

Acq: 16 Nov 2018 23:44

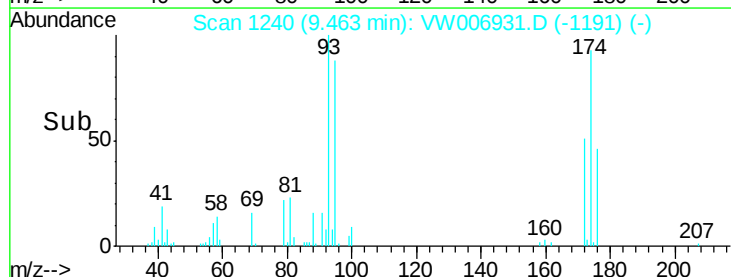
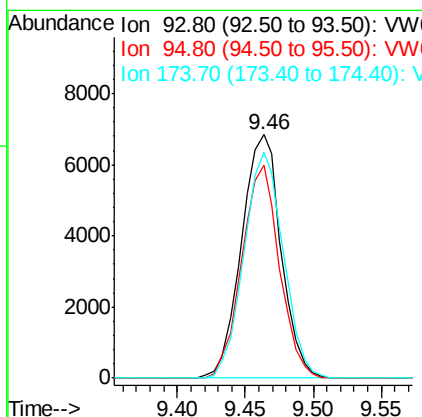
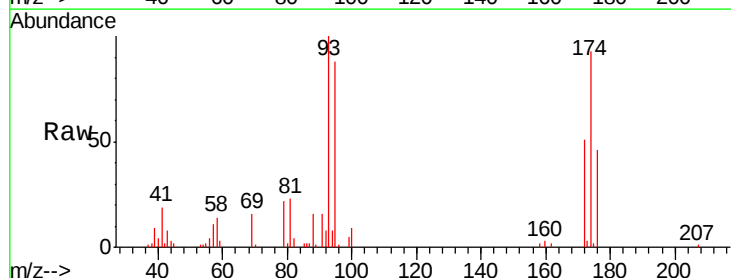
Tgt Ion: 93 Resp: 13951

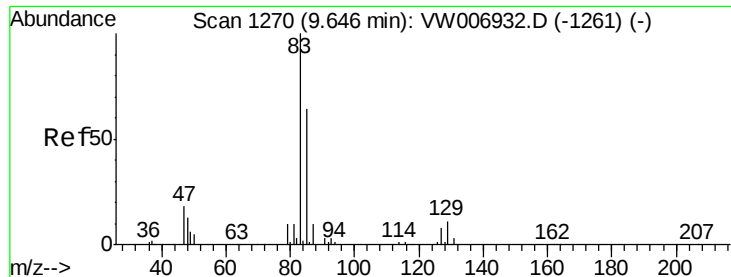
Ion Ratio Lower Upper

93 100

95 83.1 65.7 98.5

174 92.4 75.0 112.4





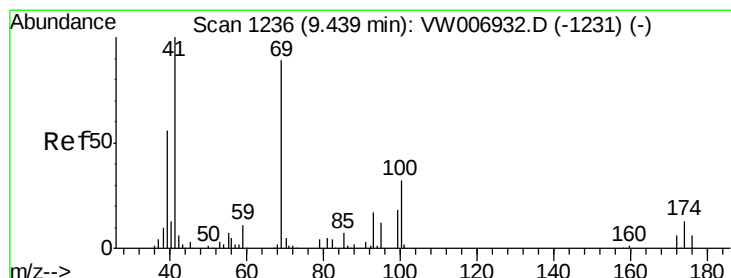
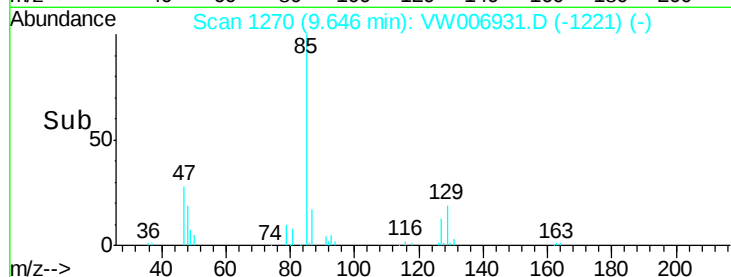
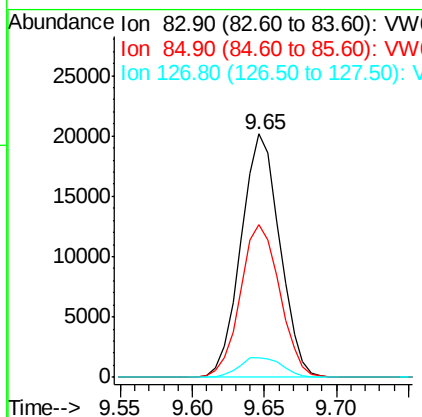
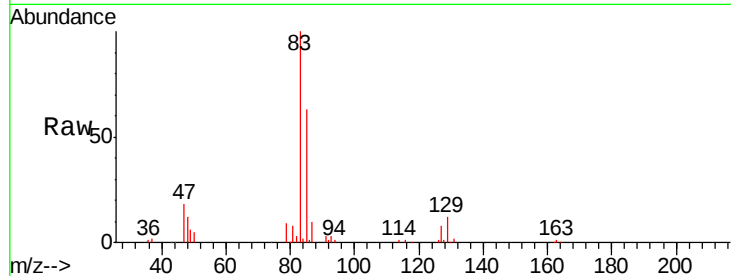
#47
 Bromodichloromethane
 Concen: 23.01 ug/l
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW006931.D
 Acq: 16 Nov 2018 23:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.7	50.8	76.2
127	8.0	6.6	10.0

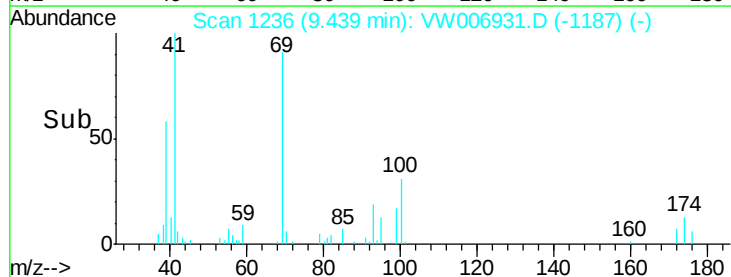
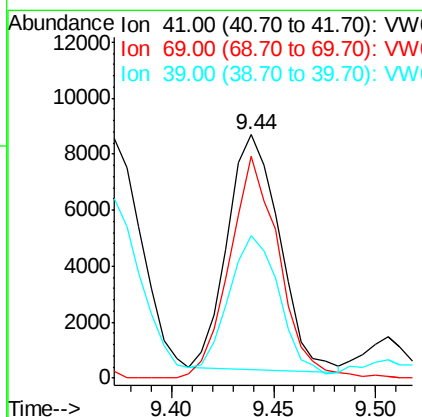
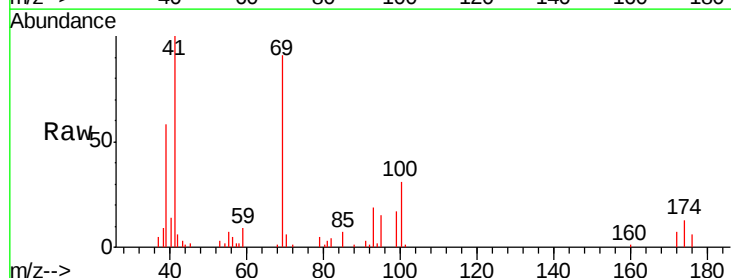
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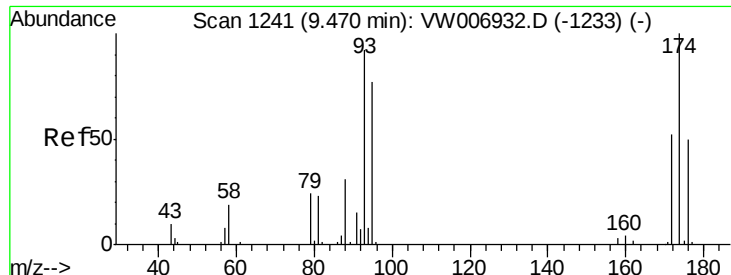
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#48
 Methyl methacrylate
 Concen: 25.45 ug/l
 RT: 9.44 min Scan# 1236
 Delta R.T. -0.00 min
 Lab File: VW006931.D
 Acq: 16 Nov 2018 23:44

Tgt Ion	Ratio	Lower	Upper
41	100		
69	89.5	73.4	110.0
39	60.7	46.1	69.1





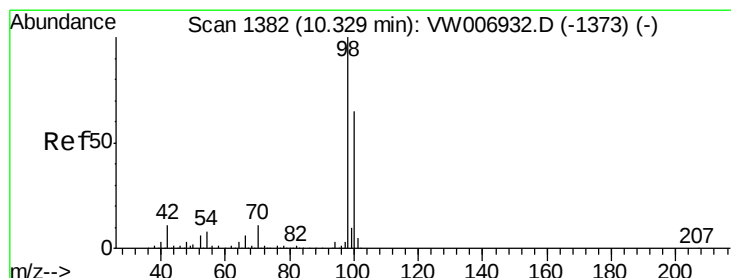
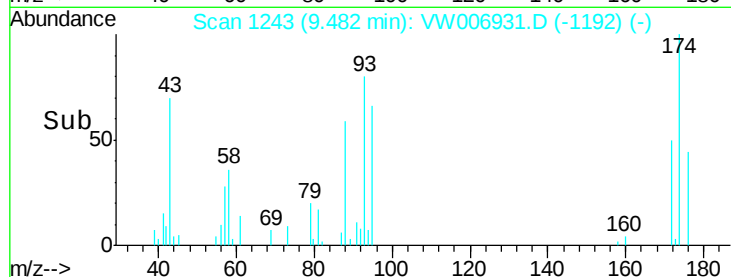
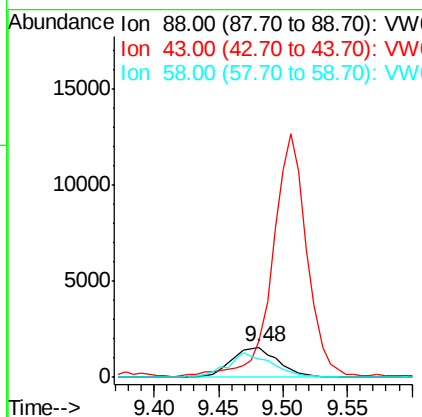
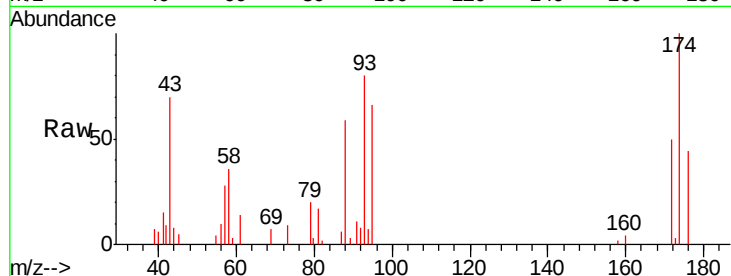
#49
1,4-Dioxane
Concen: 397.13 ug/l
RT: 9.48 min Scan# 1243
Delta R.T. 0.01 min
Lab File: VW006931.D
Acq: 16 Nov 2018 23:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	79.9	57.4	86.2

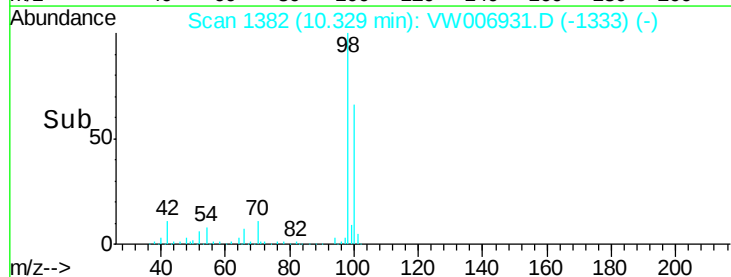
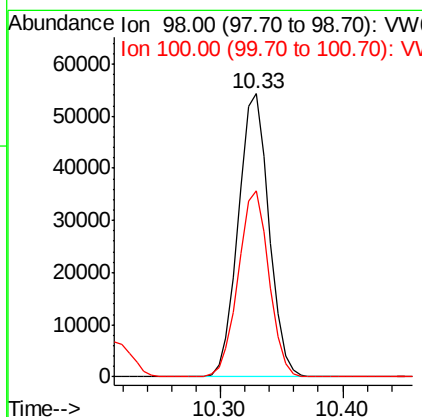
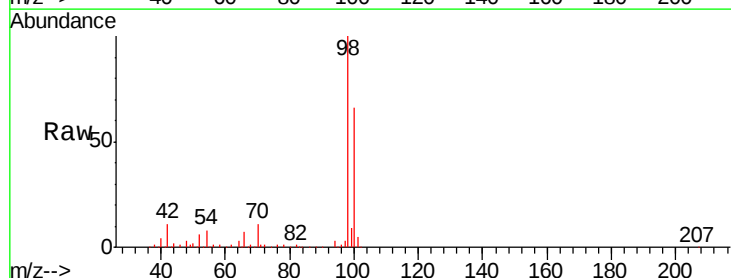
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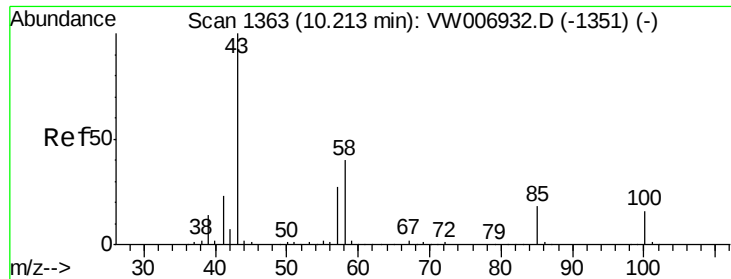
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#50
Toluene-d8
Concen: 19.42 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VW006931.D
Acq: 16 Nov 2018 23:44

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.3	78.5





#51

4-Methyl-2-Pentanone

Concen: 127.90 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW006931.D

Acq: 16 Nov 2018 23:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tgt Ion: 43 Resp: 76969

Ion Ratio Lower Upper

43 100

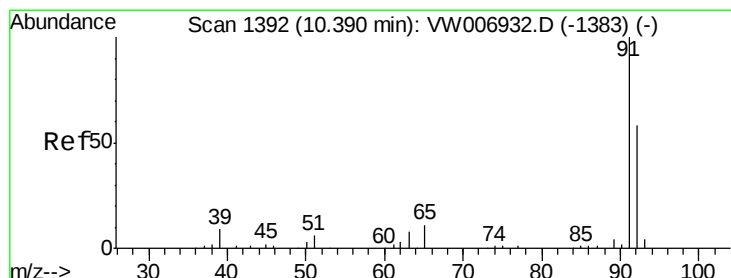
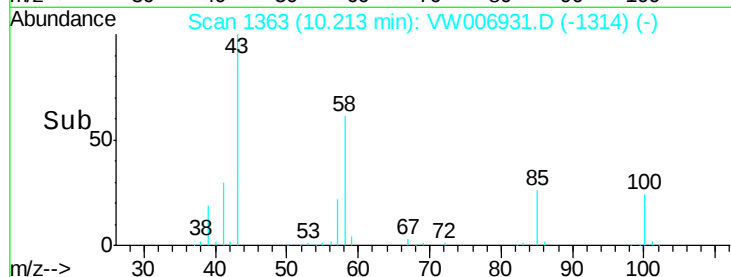
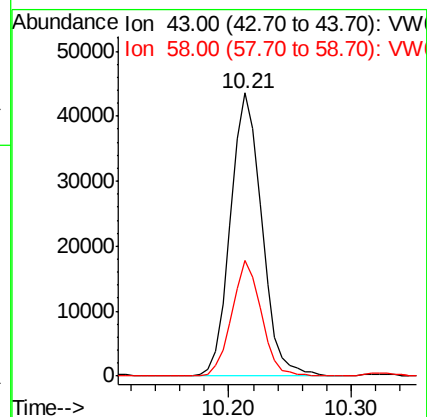
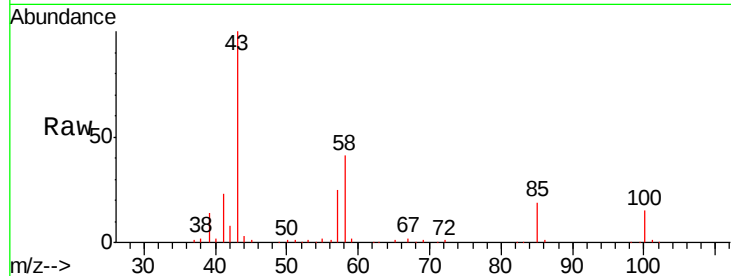
58 38.7 31.0 46.4

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#52

Toluene

Concen: 20.02 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW006931.D

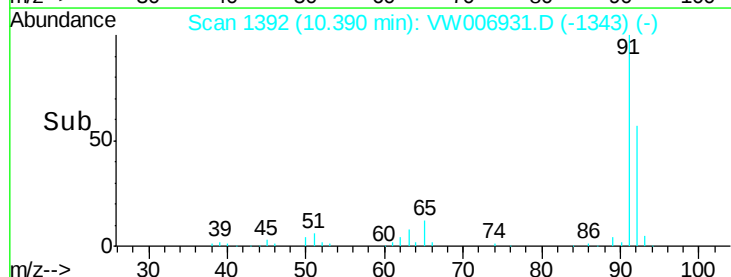
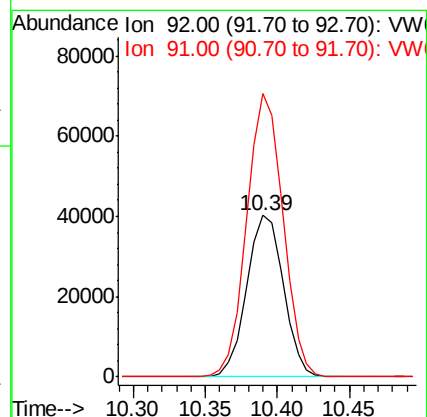
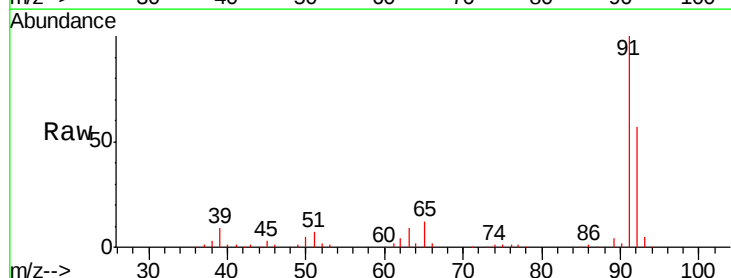
Acq: 16 Nov 2018 23:44

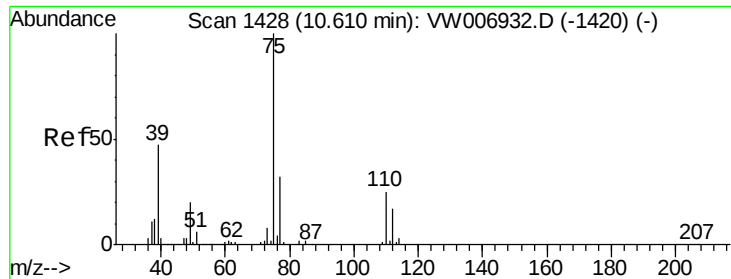
Tgt Ion: 92 Resp: 71026

Ion Ratio Lower Upper

92 100

91 173.2 137.3 205.9





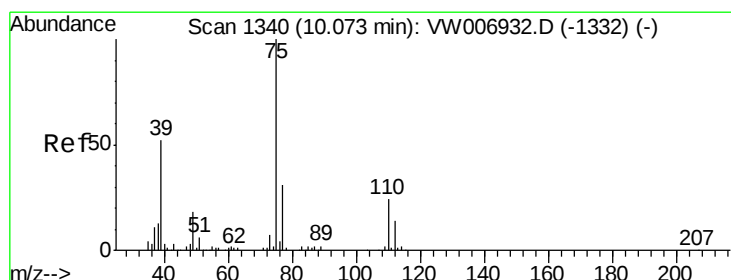
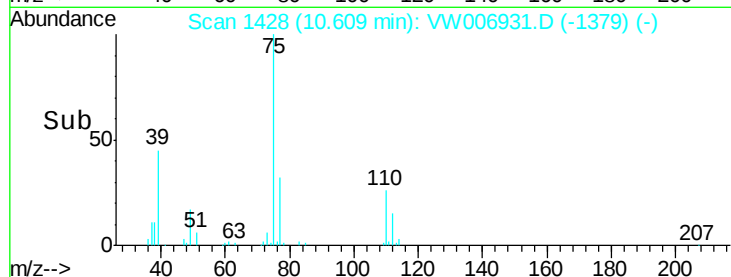
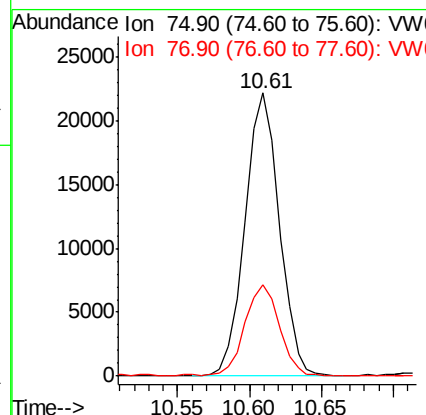
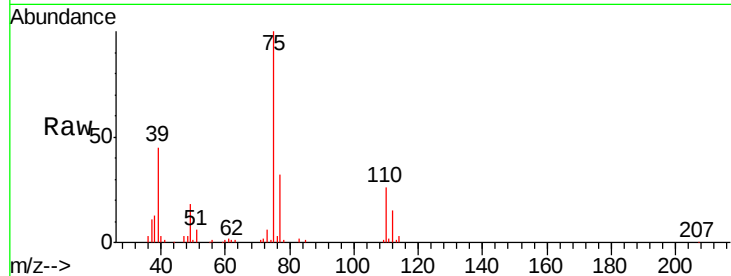
#53
t-1,3-Dichloropropene
Concen: 22.71 ug/l
RT: 10.61 min Scan# 1428
Delta R.T. -0.00 min
Lab File: VW006931.D
Acq: 16 Nov 2018 23:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tgt Ion: 75 Resp: 36570
Ion Ratio Lower Upper
75 100
77 32.3 25.2 37.8

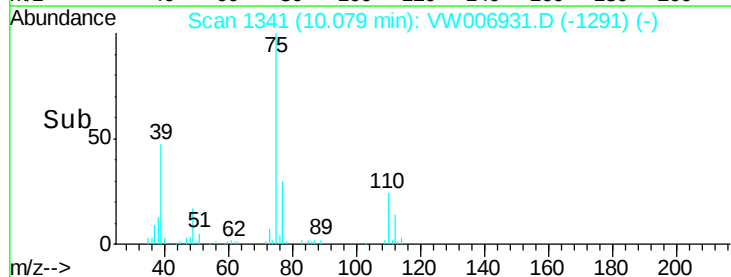
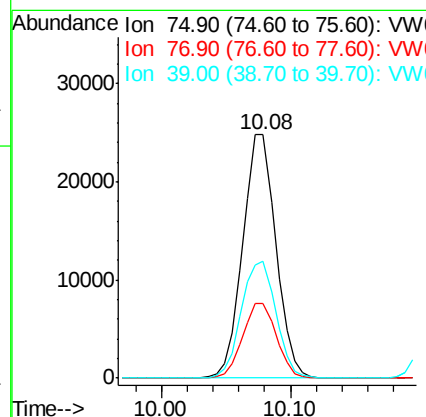
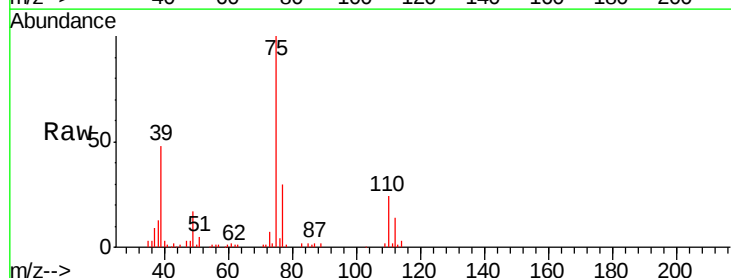
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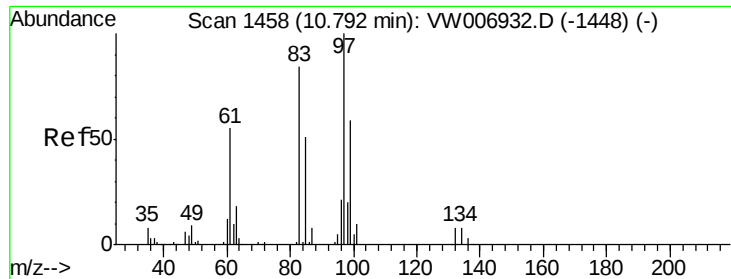
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#54
cis-1,3-Dichloropropene
Concen: 23.18 ug/l
RT: 10.08 min Scan# 1341
Delta R.T. 0.01 min
Lab File: VW006931.D
Acq: 16 Nov 2018 23:44

Tgt Ion: 75 Resp: 44297
Ion Ratio Lower Upper
75 100
77 30.4 24.6 37.0
39 48.2 41.4 62.2





#55

1,1,2-Trichloroethane

Concen: 21.72 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.01 min

Lab File: VW006931.D

Acq: 16 Nov 2018 23:44

Instrument :

MSVOA_W

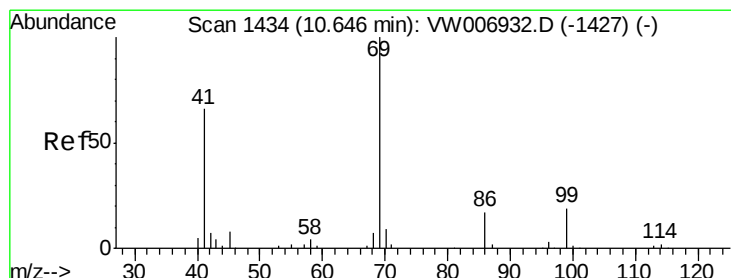
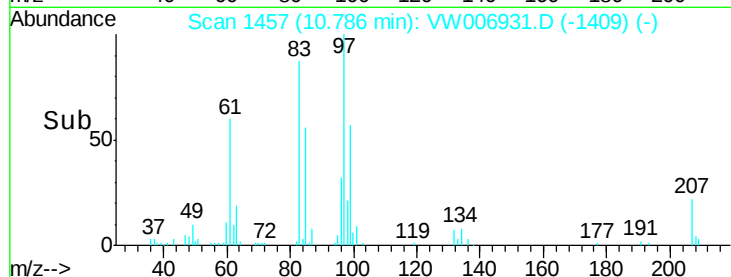
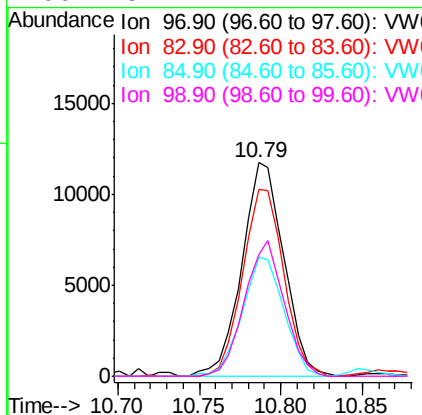
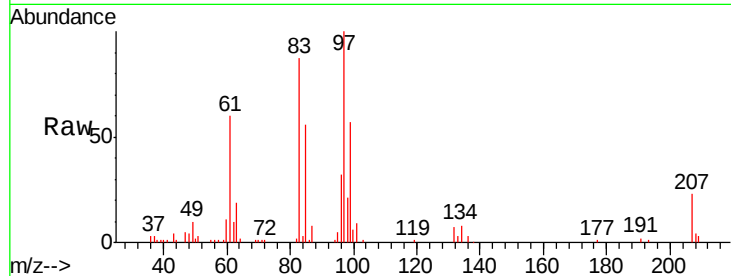
ClientSampleId :

VSTDIC020

Tgt Ion:	97	Resp:	21079
Ion	Ratio	Lower	Upper
97	100		
83	87.3	67.5	101.3
85	55.7	41.0	61.6
99	57.1	47.4	71.2

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#56

Ethyl methacrylate

Concen: 23.15 ug/l

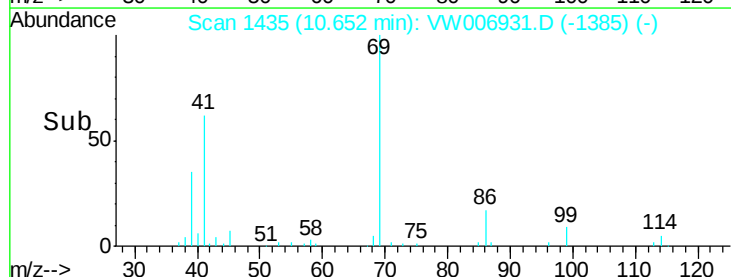
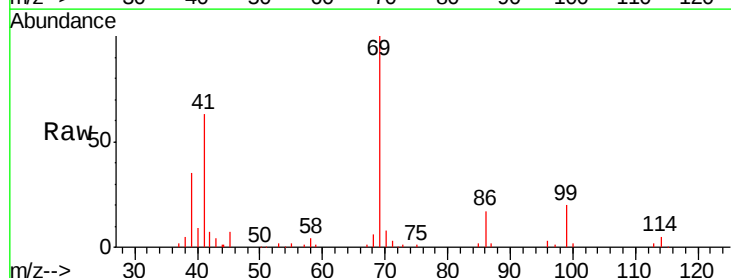
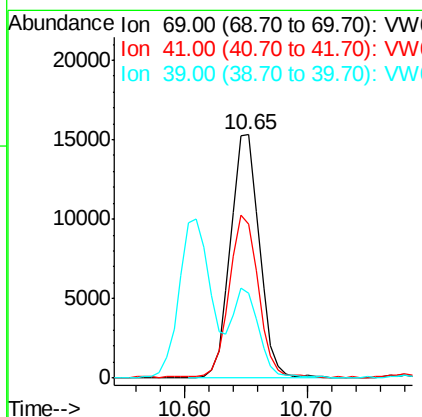
RT: 10.65 min Scan# 1435

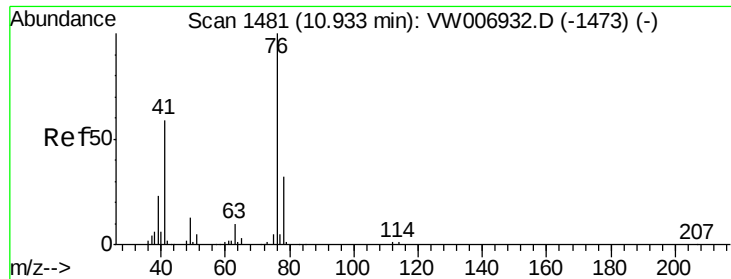
Delta R.T. 0.01 min

Lab File: VW006931.D

Acq: 16 Nov 2018 23:44

Tgt Ion:	69	Resp:	25093
Ion	Ratio	Lower	Upper
69	100		
41	69.0	53.8	80.6
39	32.5	29.0	43.6





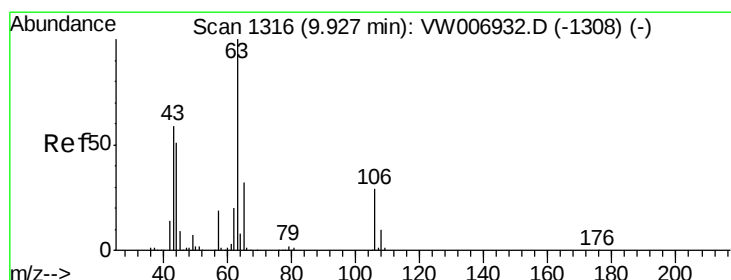
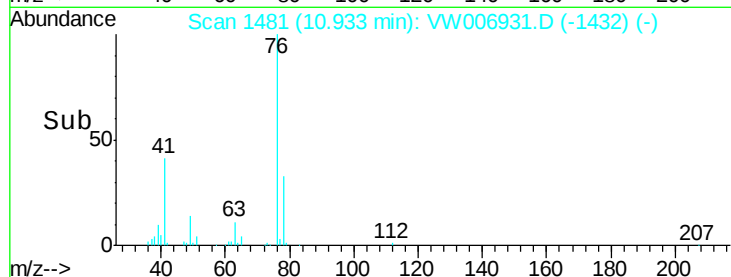
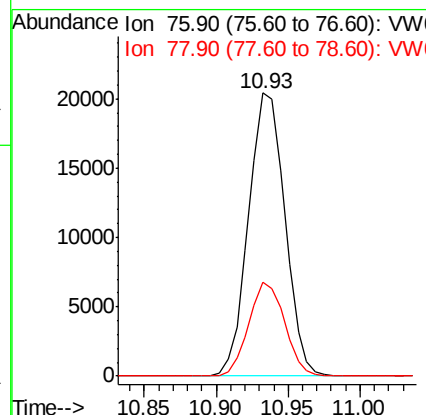
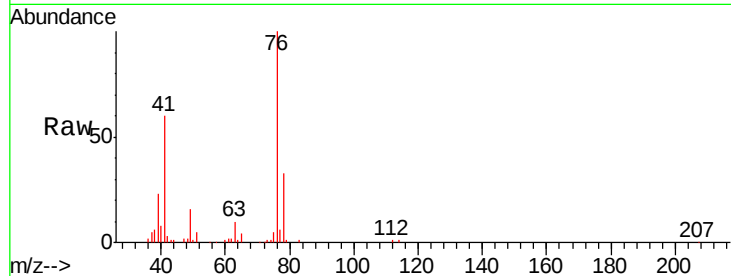
#57
 1,3-Dichloropropane
 Concen: 22.94 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW006931.D
 Acq: 16 Nov 2018 23:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tgt Ion: 76 Resp: 35634
 Ion Ratio Lower Upper
 76 100
 78 32.9 26.0 39.0

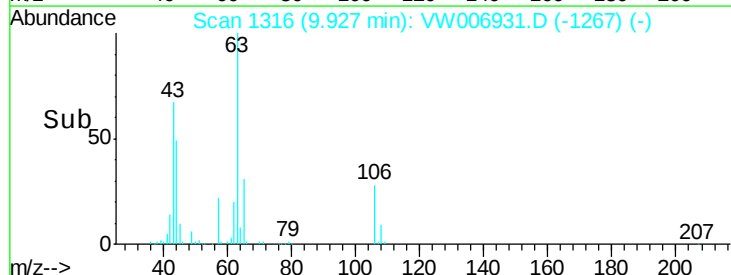
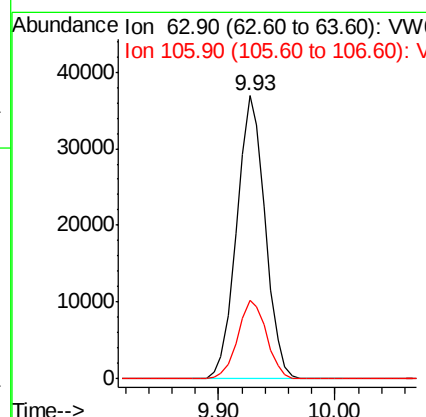
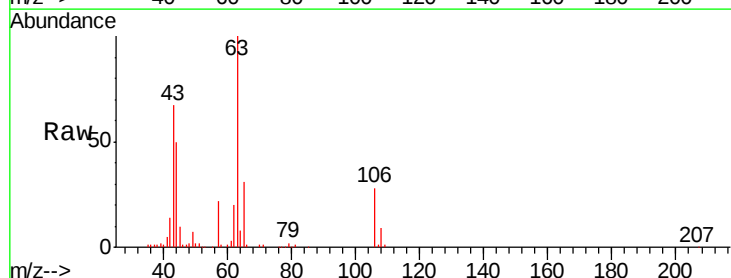
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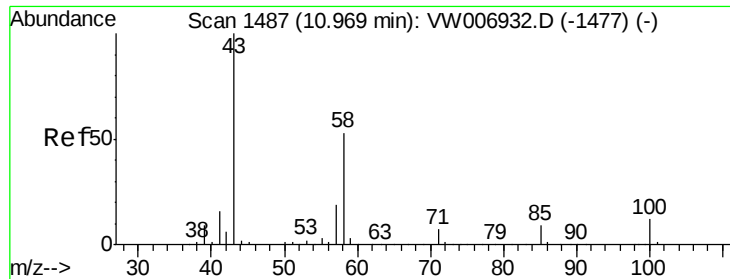
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#58
 2-Chloroethyl Vinyl ether
 Concen: 117.66 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW006931.D
 Acq: 16 Nov 2018 23:44

Tgt Ion: 63 Resp: 62827
 Ion Ratio Lower Upper
 63 100
 106 27.9 22.6 33.8





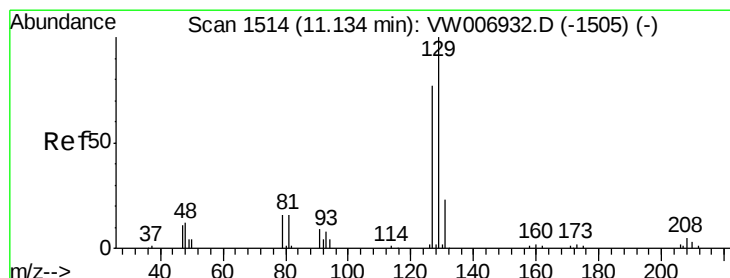
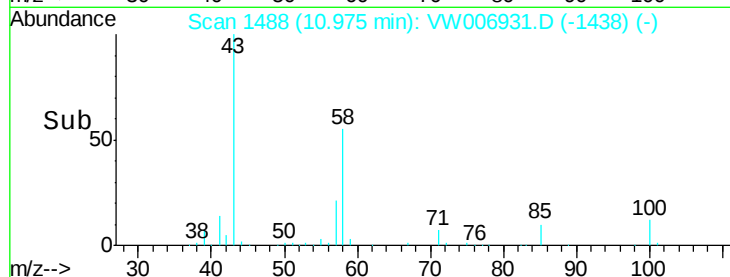
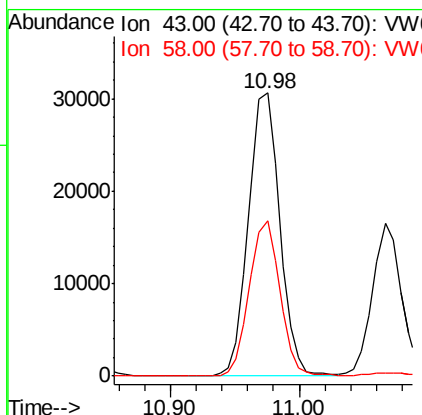
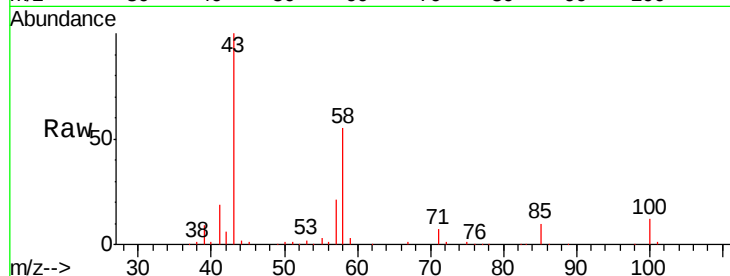
#59
2-Hexanone
Concen: 125.10 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. 0.01 min
Lab File: VW006931.D
Acq: 16 Nov 2018 23:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tgt Ion: 43 Resp: 51637
Ion Ratio Lower Upper
43 100
58 53.5 26.8 80.4

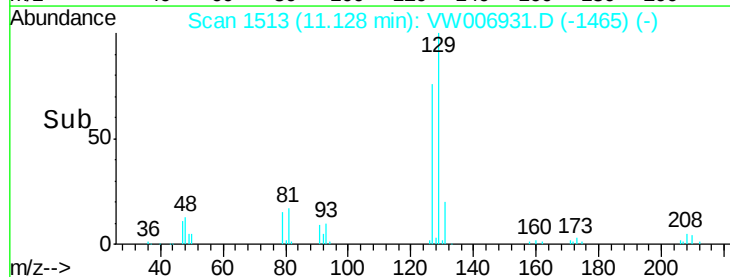
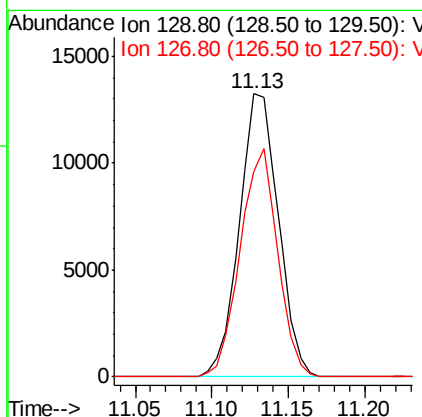
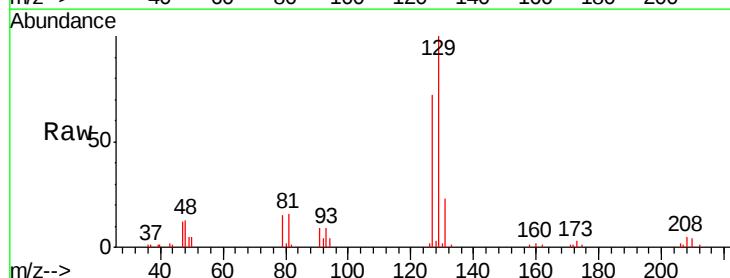
Manual Integrations
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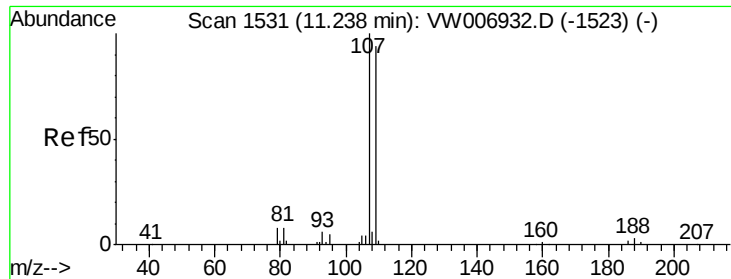
apatel
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#60
Dibromochloromethane
Concen: 20.07 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.01 min
Lab File: VW006931.D
Acq: 16 Nov 2018 23:44

Tgt Ion: 129 Resp: 23564
Ion Ratio Lower Upper
129 100
127 77.0 38.1 114.3





#61

1,2-Dibromoethane

Concen: 21.06 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW006931.D

Acq: 16 Nov 2018 23:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tgt Ion: 107 Resp: 19326

Ion Ratio Lower Upper

107 100

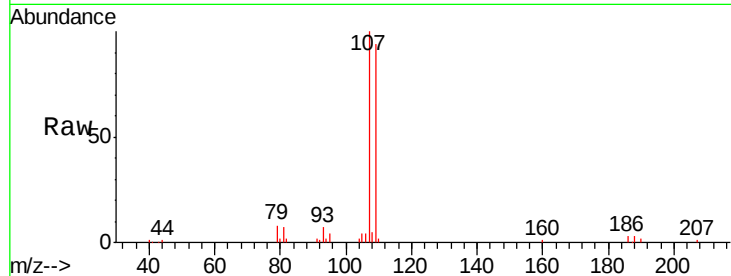
109 93.3 75.5 113.3

Manual Integrations

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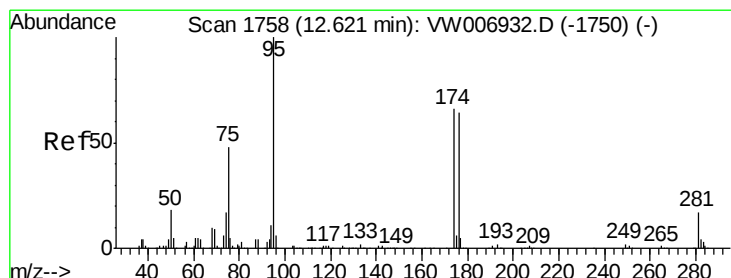
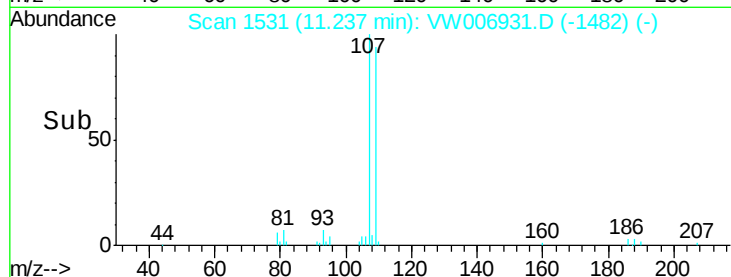
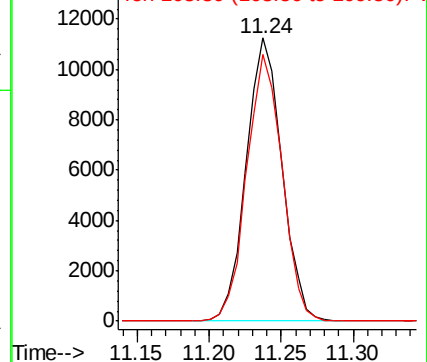
apatel

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 20.65 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW006931.D

Acq: 16 Nov 2018 23:44

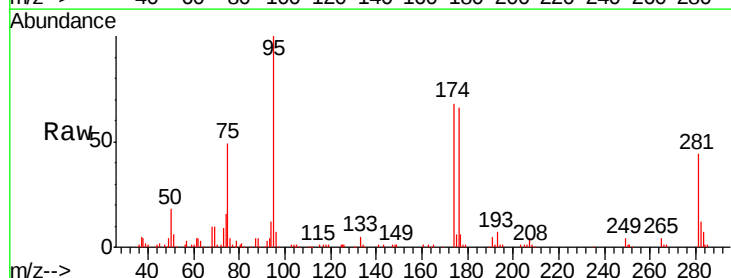
Tgt Ion: 95 Resp: 37309

Ion Ratio Lower Upper

95 100

174 70.4 0.0 138.4

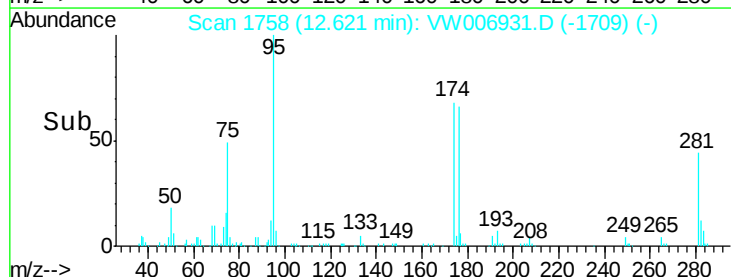
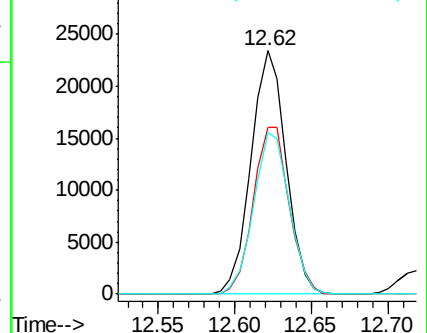
176 67.8 0.0 133.4

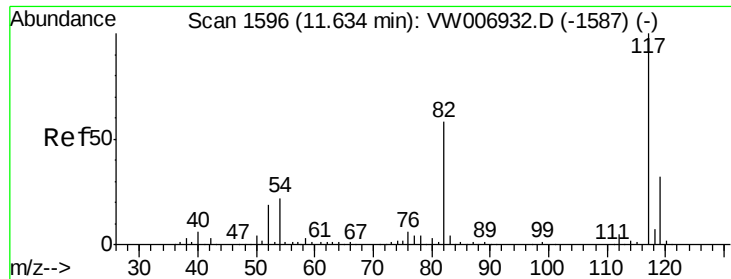


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





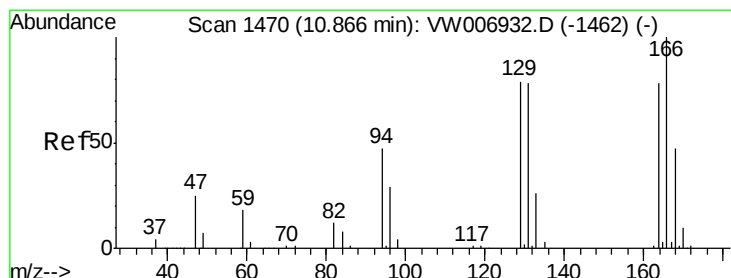
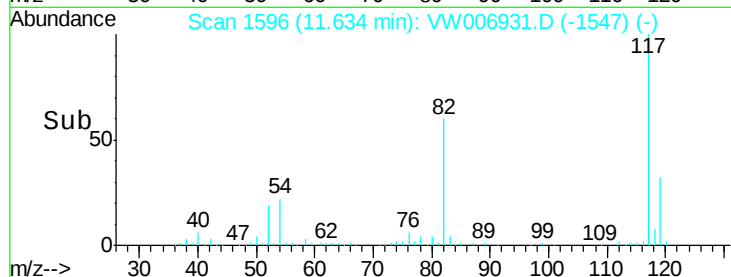
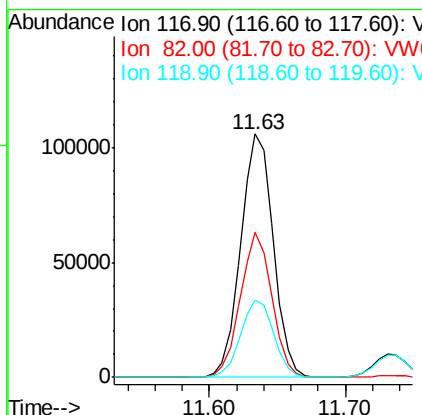
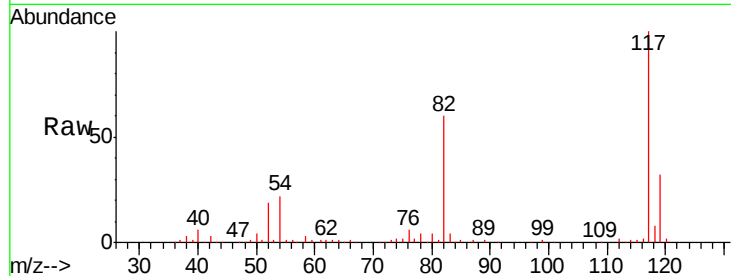
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW006931.D
Acq: 16 Nov 2018 23:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	177367		
82	59.6	46.2	69.2	
119	31.5	25.5	38.3	

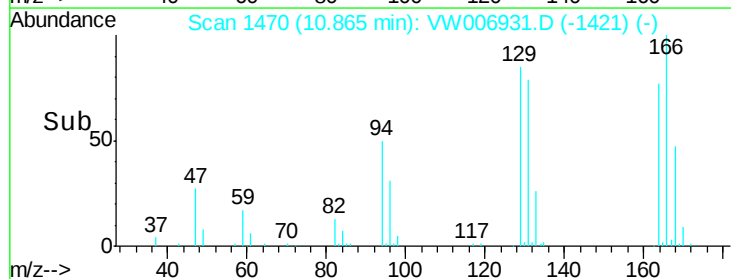
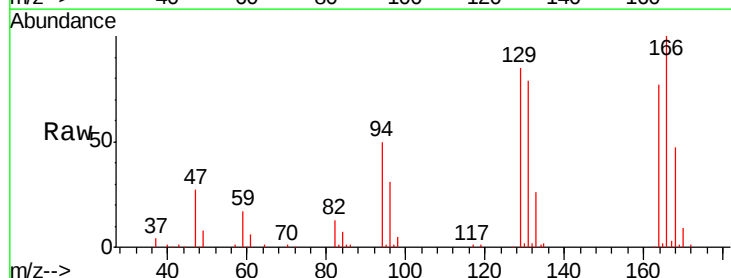
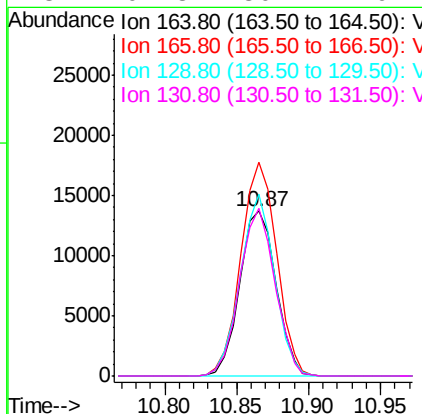
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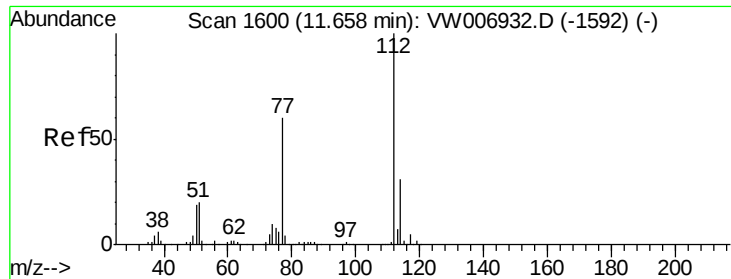
apatel
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#64
Tetrachloroethene
Concen: 17.47 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW006931.D
Acq: 16 Nov 2018 23:44

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	23957		
166	129.7	102.6	154.0	
129	110.6	81.0	121.4	
131	101.8	80.2	120.2	





#65

Chlorobenzene

Concen: 20.11 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW006931.D

Acq: 16 Nov 2018 23:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tgt Ion:112 Resp: 78557

Ion Ratio Lower Upper

112 100

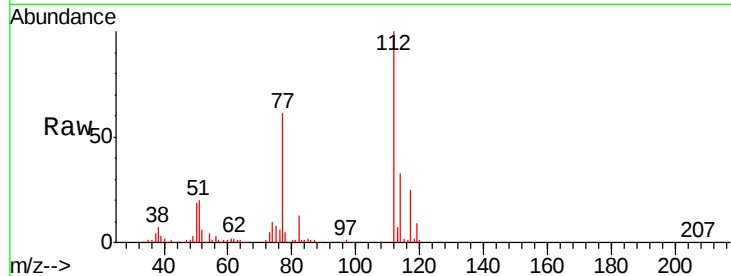
114 32.9 24.6 37.0

Manual Integrations

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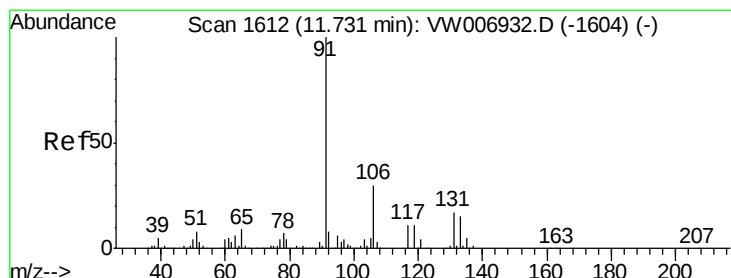
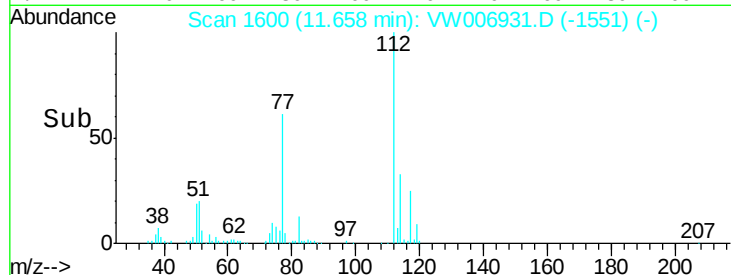
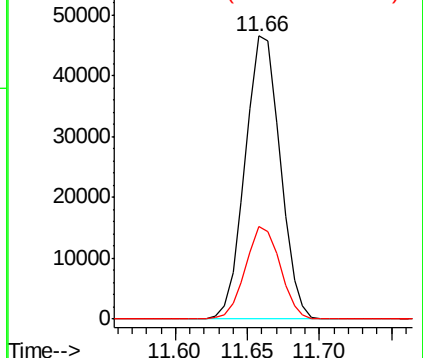
apatel

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.18 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW006931.D

Acq: 16 Nov 2018 23:44

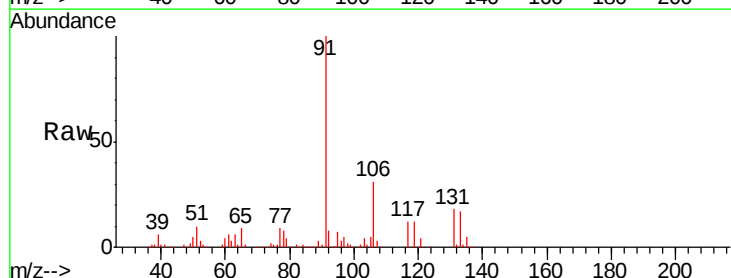
Tgt Ion:131 Resp: 25507

Ion Ratio Lower Upper

131 100

133 97.3 47.2 141.6

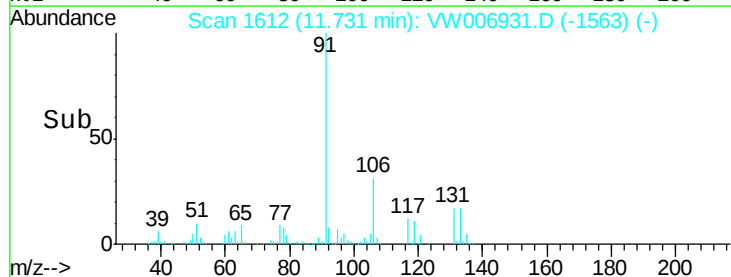
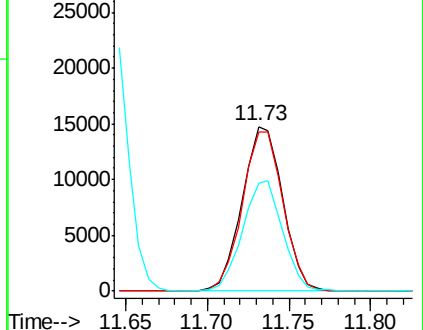
119 66.4 32.5 97.4

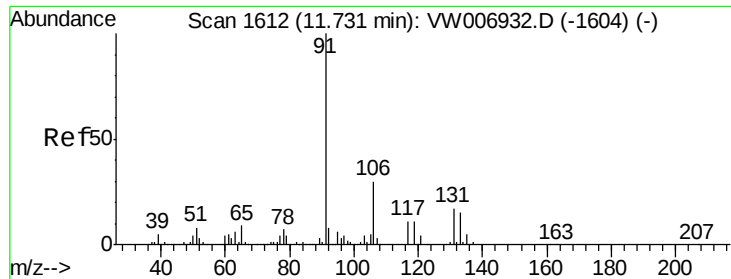


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





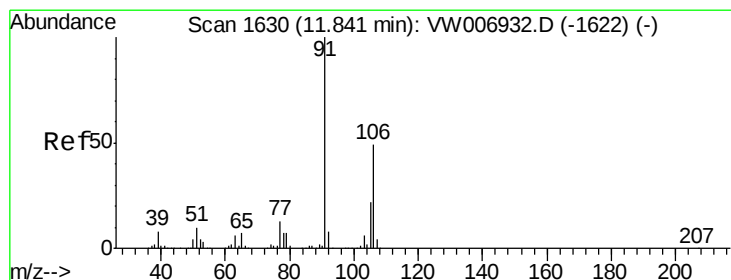
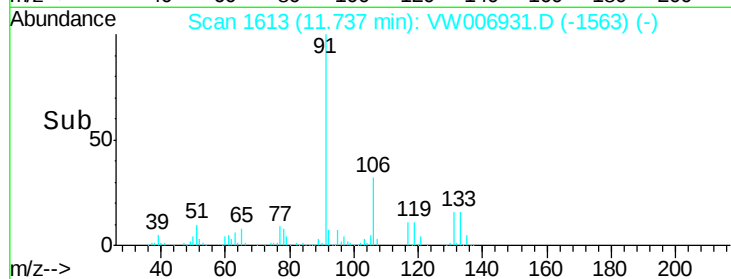
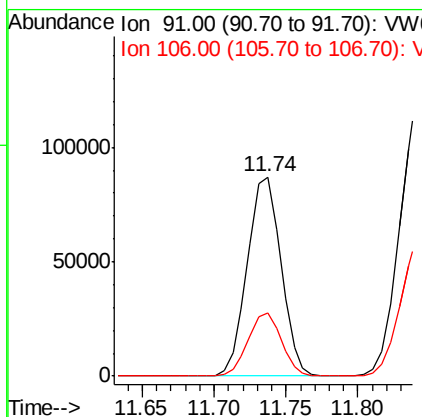
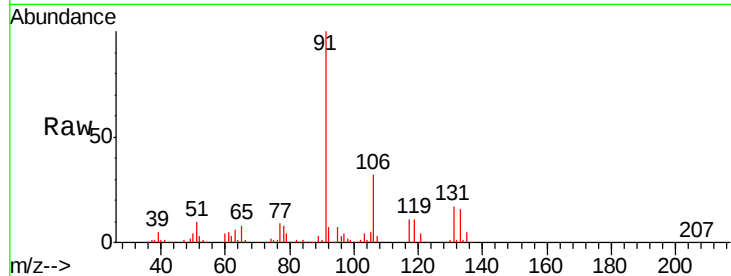
#67
Ethyl Benzene
Concen: 21.10 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.01 min
Lab File: VW006931.D
Acq: 16 Nov 2018 23:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tgt Ion: 91 Resp: 141467
Ion Ratio Lower Upper
91 100
106 31.9 24.0 36.0

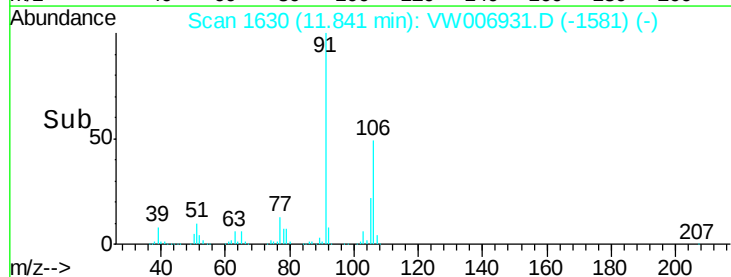
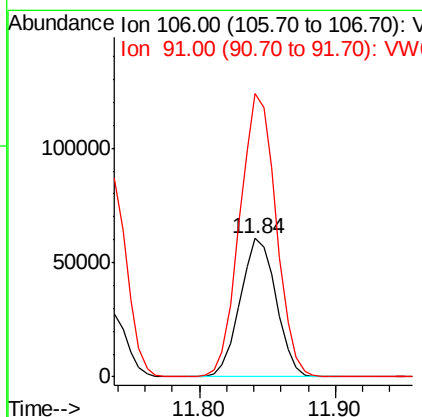
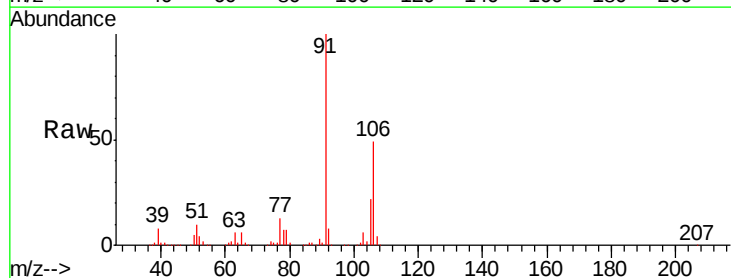
Manual Integrations
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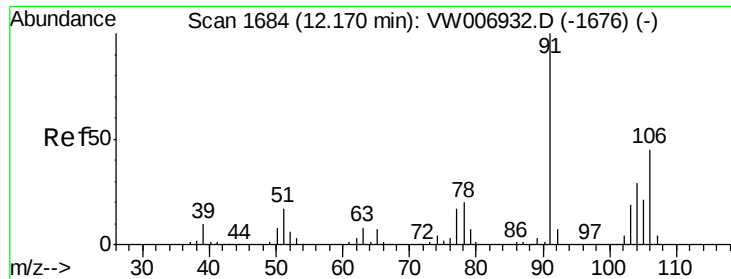
apatel
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#68
m/p-Xylenes
Concen: 41.24 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW006931.D
Acq: 16 Nov 2018 23:44

Tgt Ion: 106 Resp: 112098
Ion Ratio Lower Upper
106 100
91 206.2 165.0 247.4





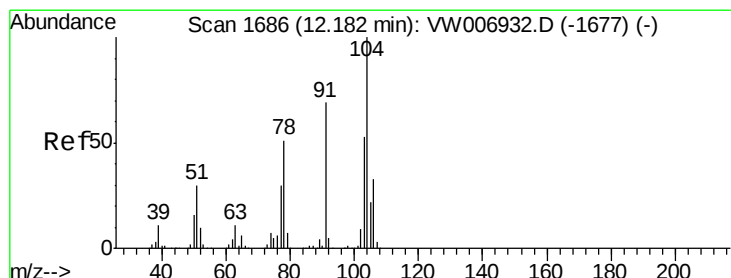
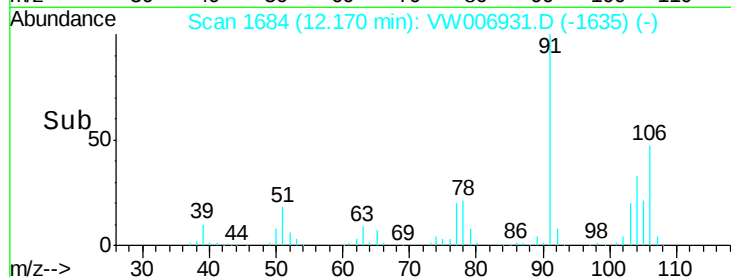
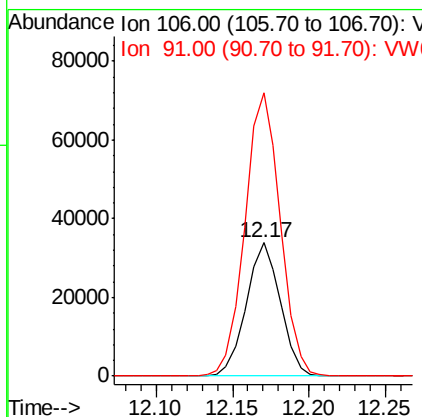
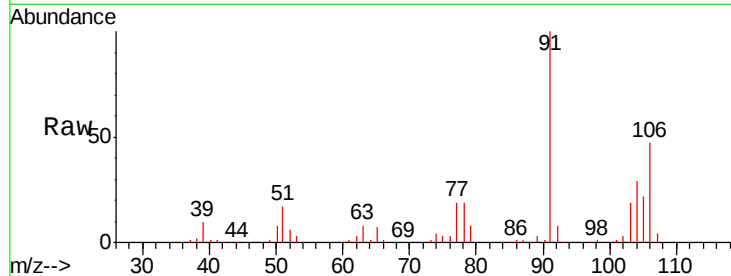
#69
o-Xylene
Concen: 20.74 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW006931.D
Acq: 16 Nov 2018 23:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tgt Ion:106 Resp: 52588
Ion Ratio Lower Upper
106 100
91 218.8 109.2 327.6

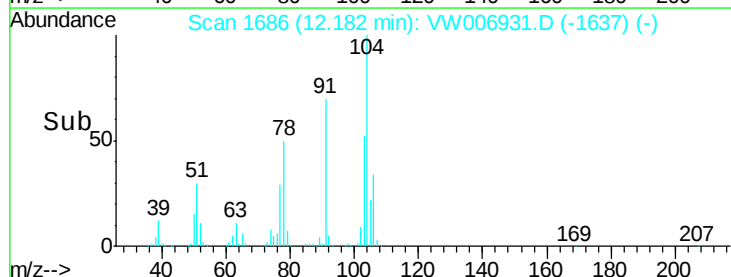
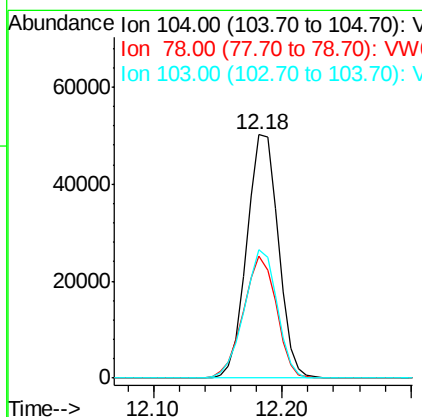
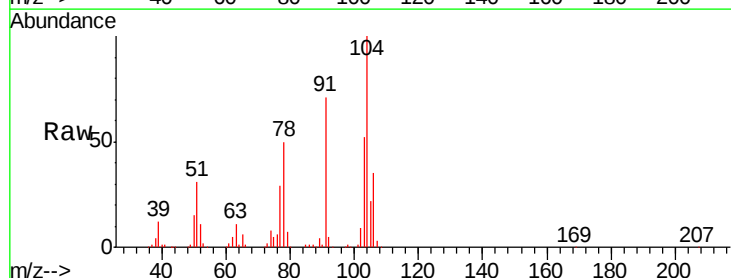
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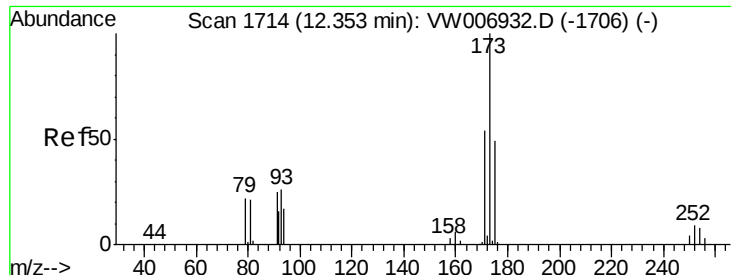
apatel
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#70
Styrene
Concen: 20.80 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW006931.D
Acq: 16 Nov 2018 23:44

Tgt Ion:104 Resp: 84623
Ion Ratio Lower Upper
104 100
78 52.6 42.5 63.7
103 54.9 44.3 66.5





#71

Bromoform

Concen: 17.05 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW006931.D

Acq: 16 Nov 2018 23:44

Instrument :

MSVOA_W

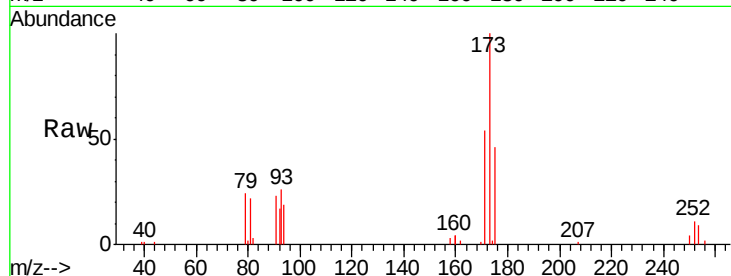
ClientSampleId :

VSTDIC020

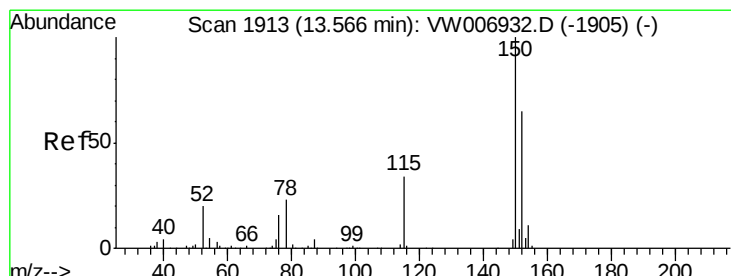
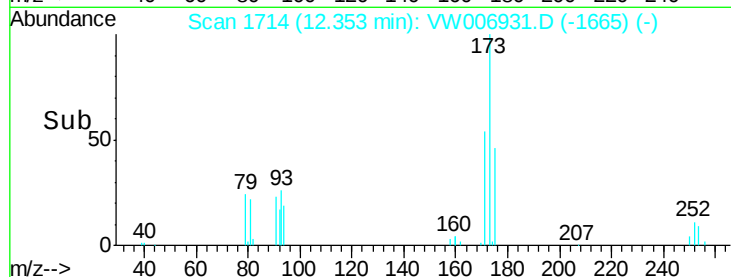
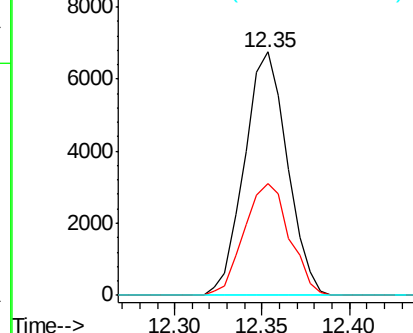
Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.0	72.0
254	0.0	0.0	0.0

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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

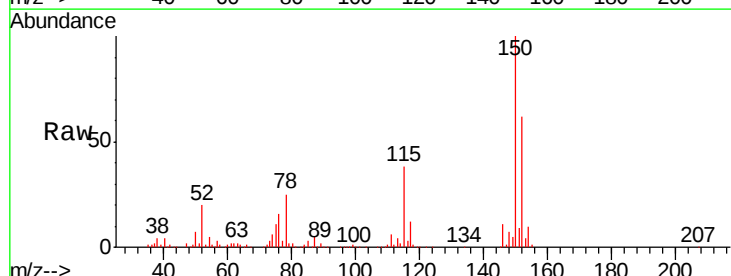
RT: 13.57 min Scan# 1913

Delta R.T. -0.00 min

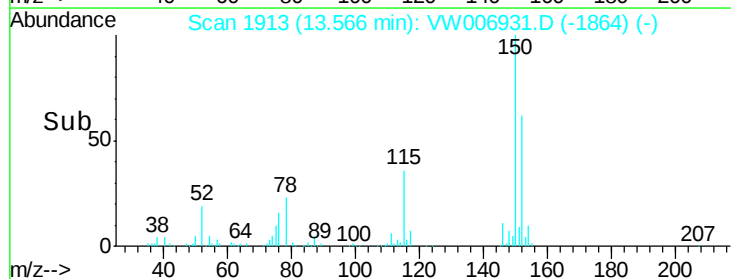
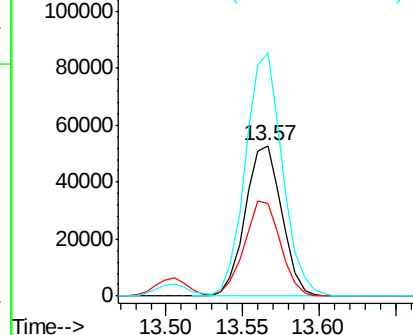
Lab File: VW006931.D

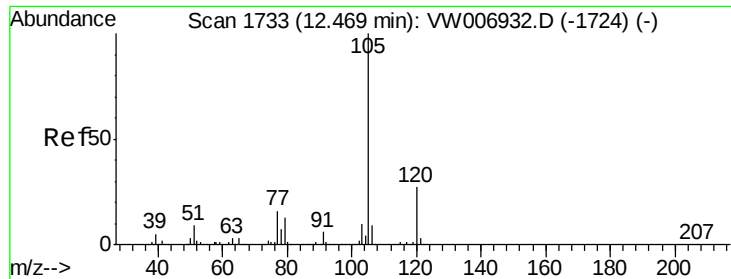
Acq: 16 Nov 2018 23:44

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.6	31.6	94.7
150	164.1	0.0	350.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 23.36 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW006931.D

Acq: 16 Nov 2018 23:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tgt Ion: 105 Resp: 144235

Ion Ratio Lower Upper

105 100

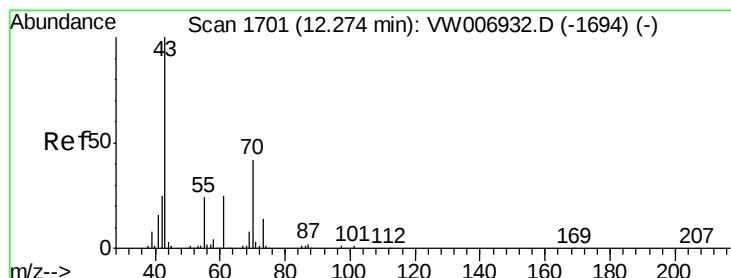
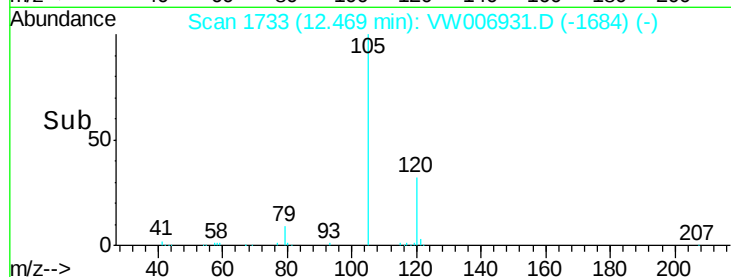
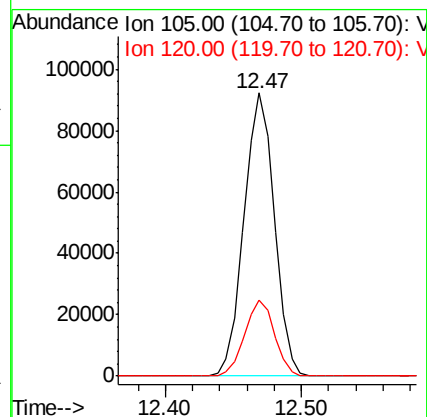
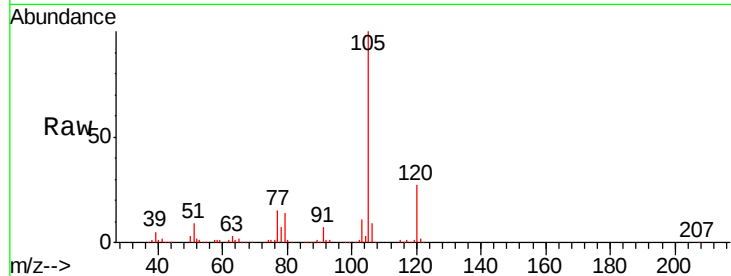
120 26.5 13.2 39.6

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#74

N-ethyl acetate

Concen: 28.88 ug/l

RT: 12.28 min Scan# 1702

Delta R.T. 0.01 min

Lab File: VW006931.D

Acq: 16 Nov 2018 23:44

Tgt Ion: 43 Resp: 28598

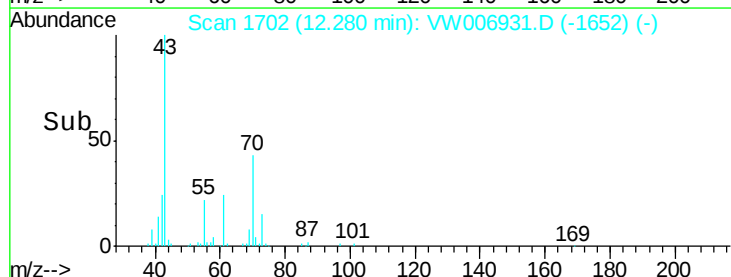
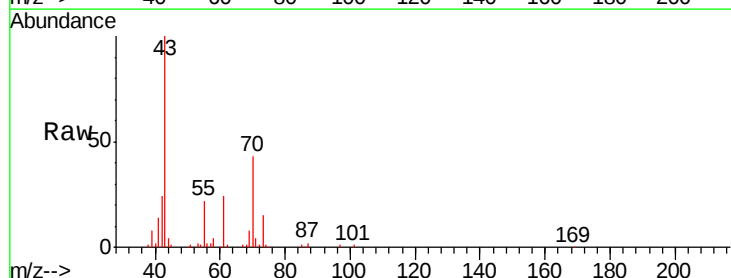
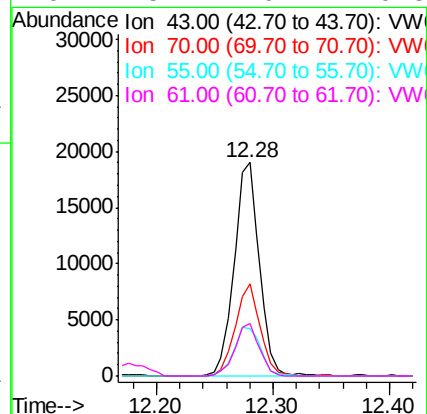
Ion Ratio Lower Upper

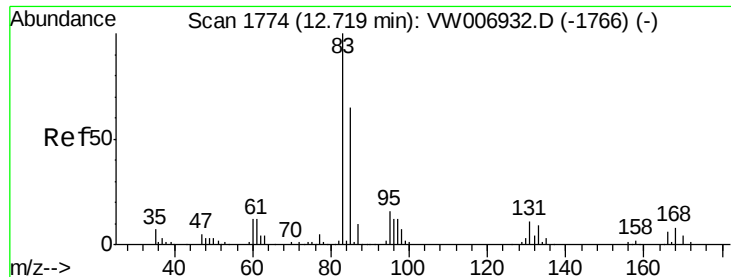
43 100

70 42.6 34.2 51.4

55 24.5 19.5 29.3

61 23.7 19.7 29.5





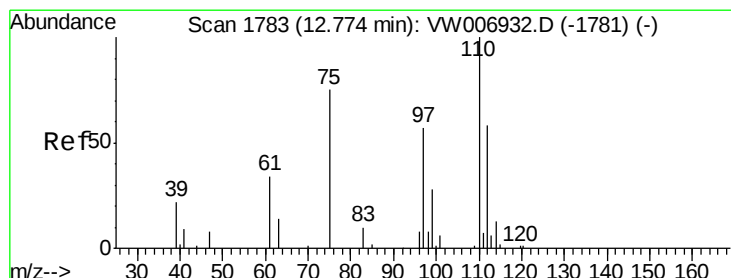
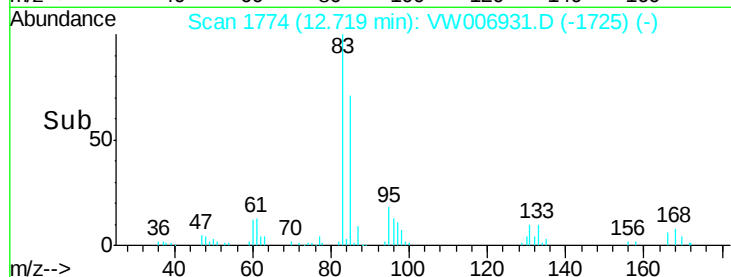
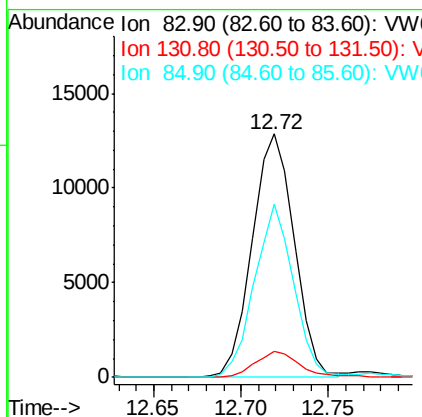
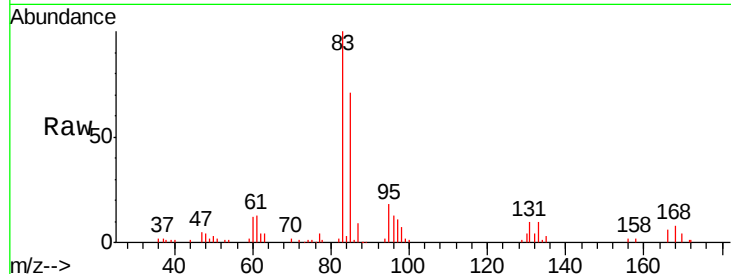
#75
 1,1,2,2-Tetrachloroethane
 Concen: 24.96 ug/l
 RT: 12.72 min Scan# 1774
 Delta R.T. -0.00 min
 Lab File: VW006931.D
 Acq: 16 Nov 2018 23:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tgt Ion	Ratio	Lower	Upper
83	100		
131	11.2	5.6	16.8
85	66.4	32.5	97.5

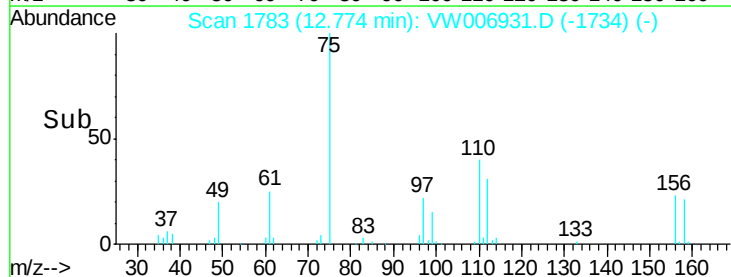
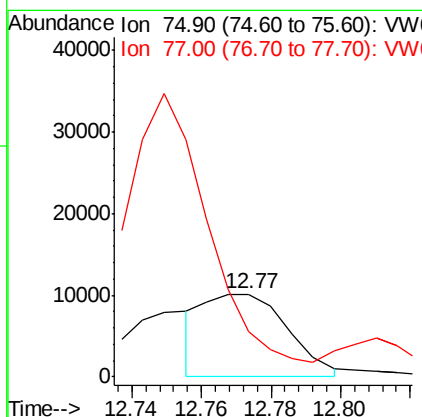
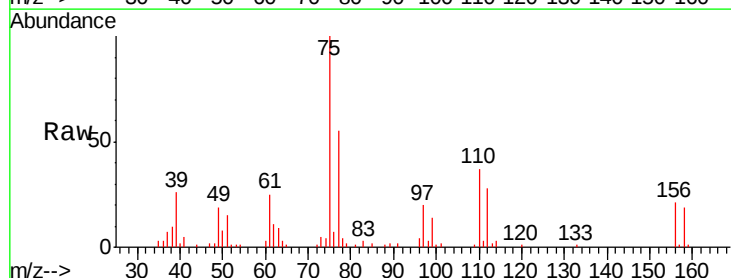
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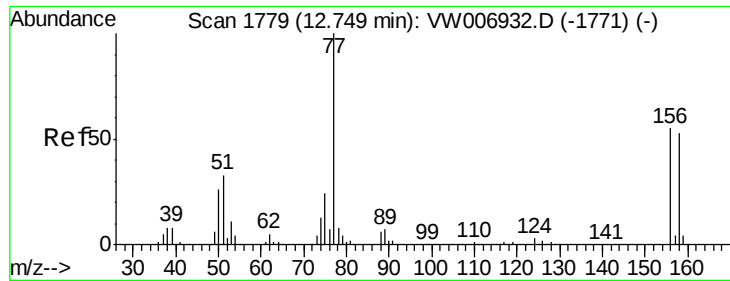
apatel
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#76
 1,2,3-Trichloropropane
 Concen: 26.06 ug/l m
 RT: 12.77 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VW006931.D
 Acq: 16 Nov 2018 23:44

Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.67 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW006931.D

Acq: 16 Nov 2018 23:44

Instrument :

MSVOA_W

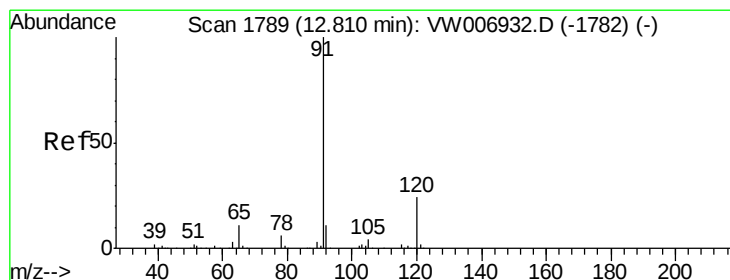
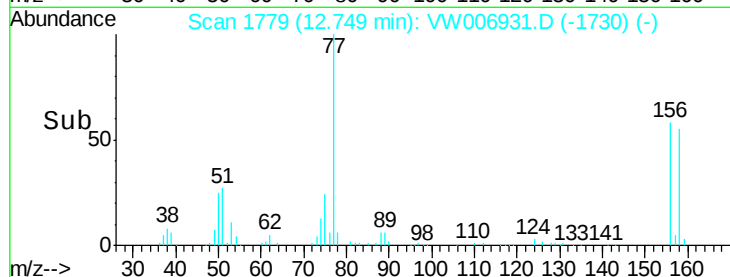
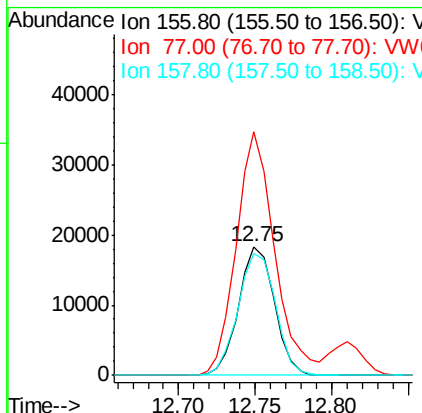
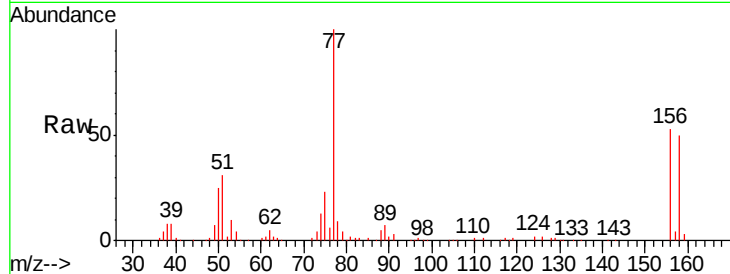
ClientSampleId :

VSTDIC020

Tgt Ion	Ratio	Lower	Upper
156	100		
77	203.0	97.8	293.3
158	99.1	47.9	143.7

Manual Integrations
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#78

n-propylbenzene

Concen: 23.63 ug/l

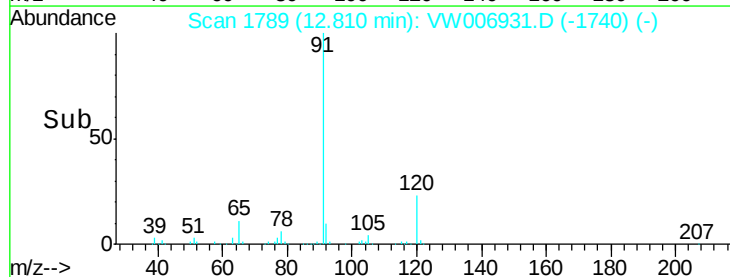
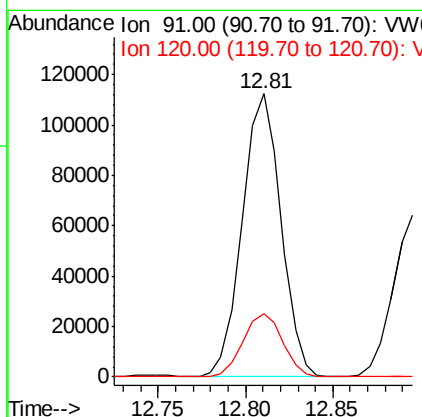
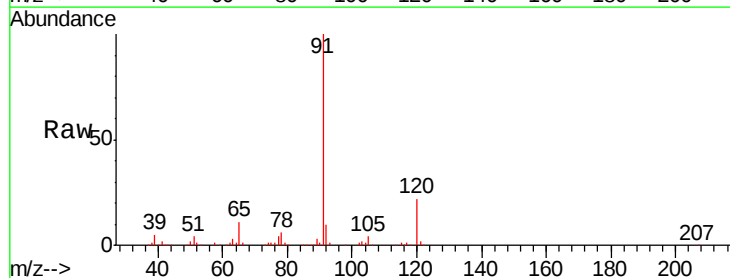
RT: 12.81 min Scan# 1789

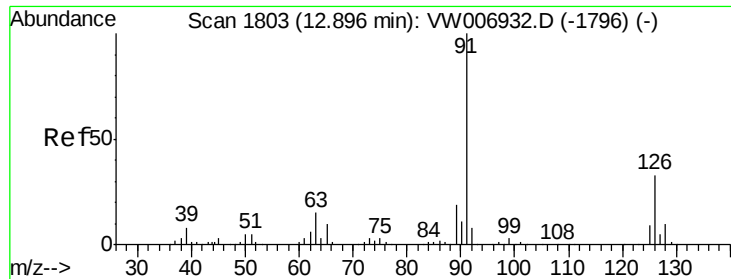
Delta R.T. -0.00 min

Lab File: VW006931.D

Acq: 16 Nov 2018 23:44

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.0	11.5	34.5





#79

2-Chlorotoluene

Concen: 24.60 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW006931.D

Acq: 16 Nov 2018 23:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tgt Ion: 91 Resp: 101642

Ion Ratio Lower Upper

91 100

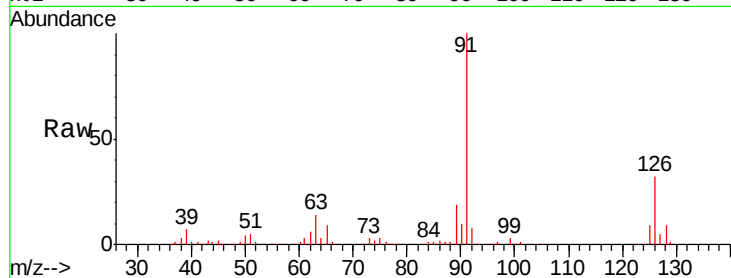
126 32.8 16.6 49.7

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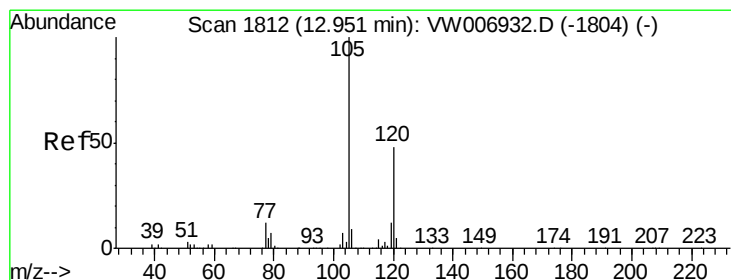
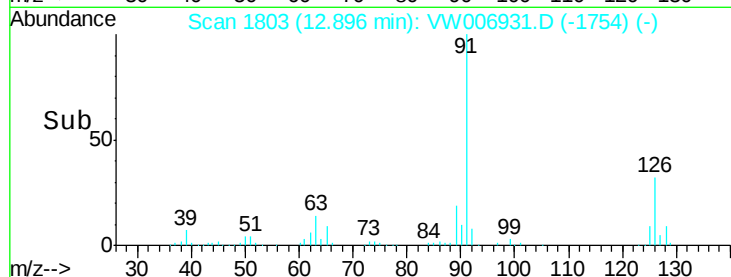
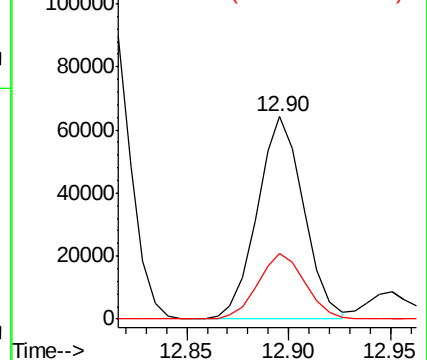
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 23.40 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. -0.00 min

Lab File: VW006931.D

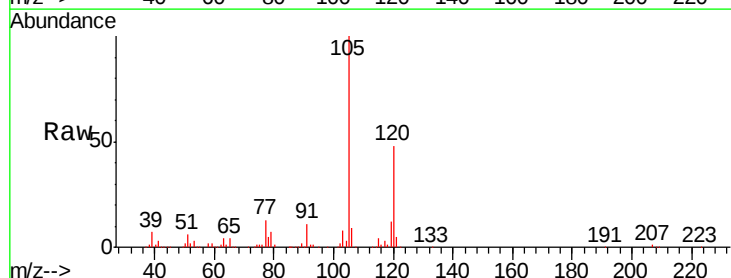
Acq: 16 Nov 2018 23:44

Tgt Ion: 105 Resp: 124141

Ion Ratio Lower Upper

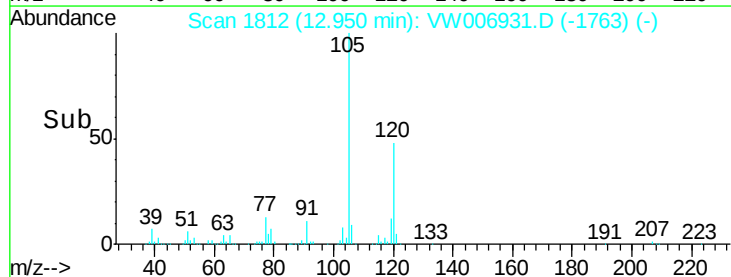
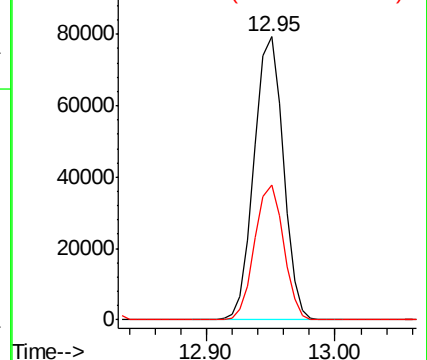
105 100

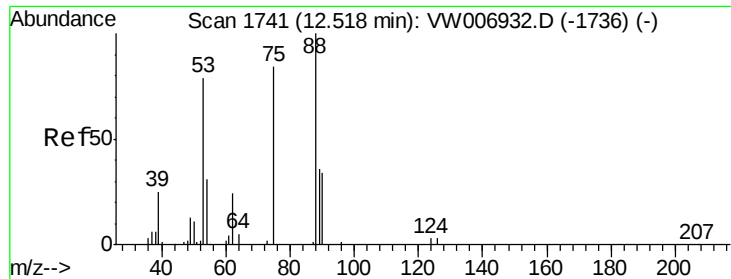
120 47.1 23.5 70.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





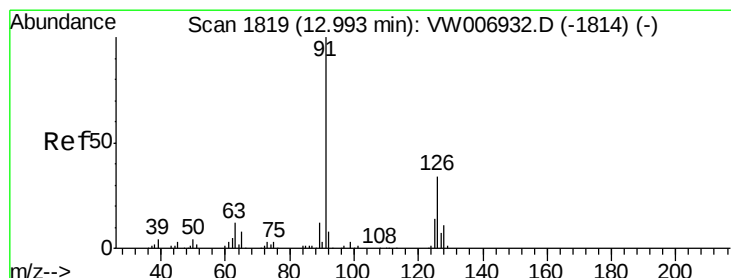
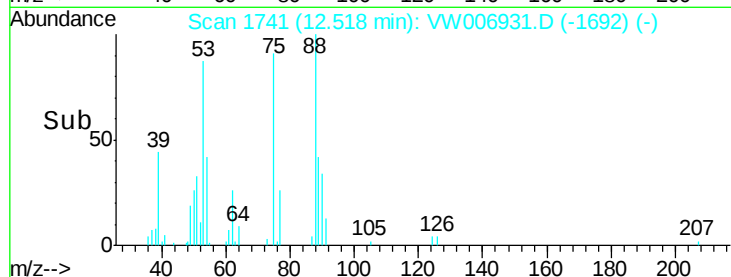
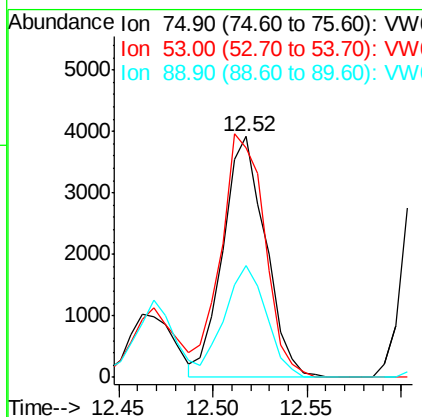
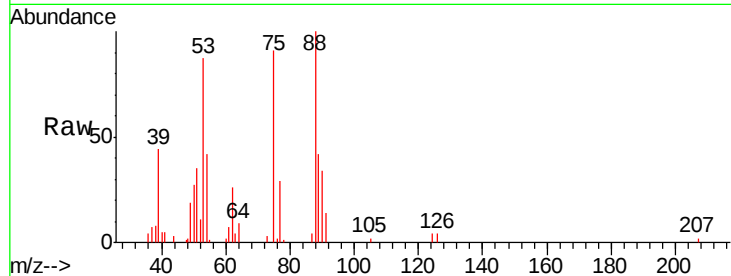
#81
trans-1,4-Dichloro-2-butene
Concen: 23.41 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VW006931.D
Acq: 16 Nov 2018 23:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
75	100		
53	103.8	79.3	118.9
89	45.0	39.5	59.3

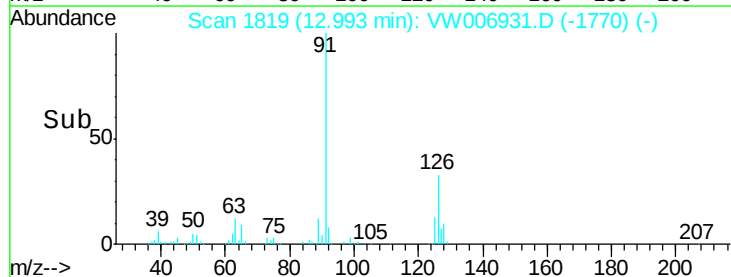
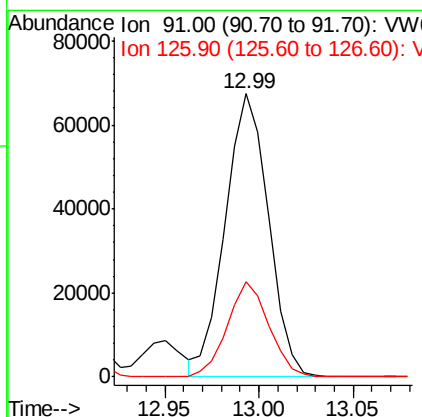
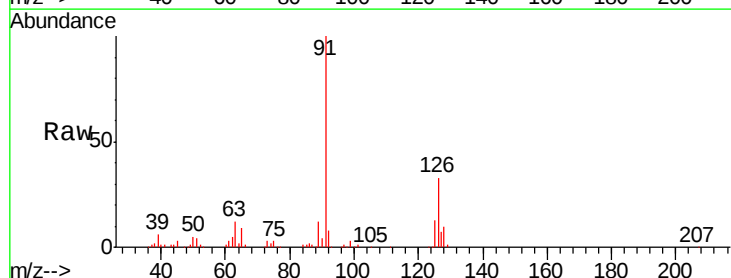
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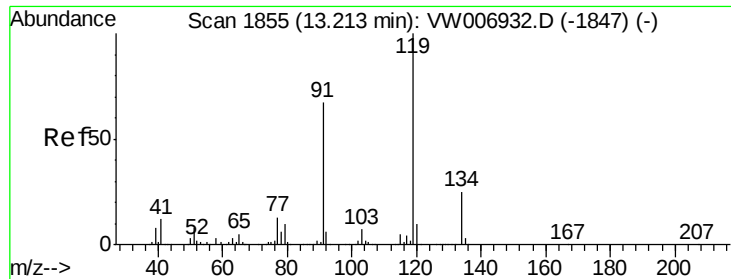
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#82
4-Chlorotoluene
Concen: 24.31 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW006931.D
Acq: 16 Nov 2018 23:44

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.4	16.2	48.6





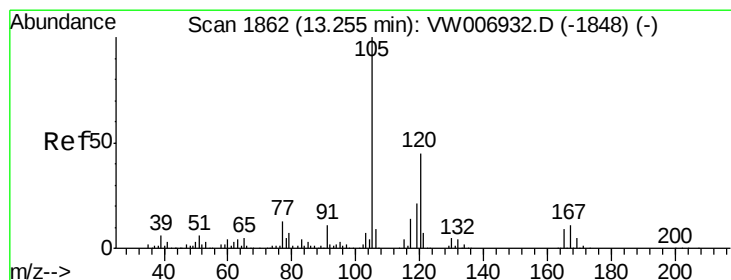
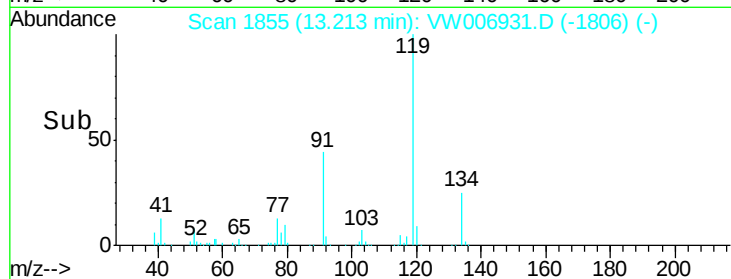
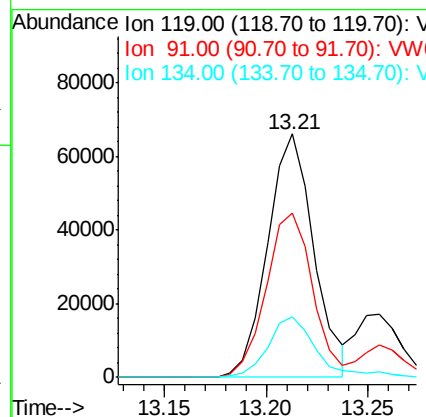
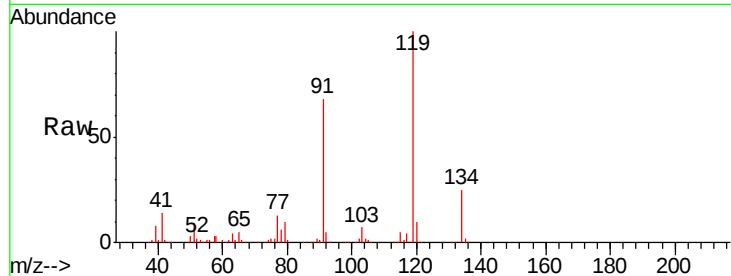
#83
 tert-Butylbenzene
 Concen: 22.44 ug/l
 RT: 13.21 min Scan# 1855
 Delta R.T. -0.00 min
 Lab File: VW006931.D
 Acq: 16 Nov 2018 23:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tgt Ion	Ratio	Lower	Upper
119	100		
91	68.0	33.8	101.4
134	26.2	12.6	37.8

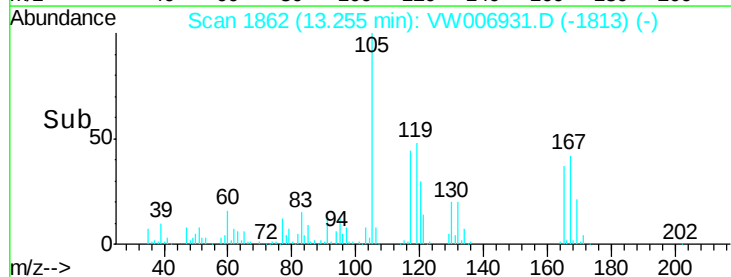
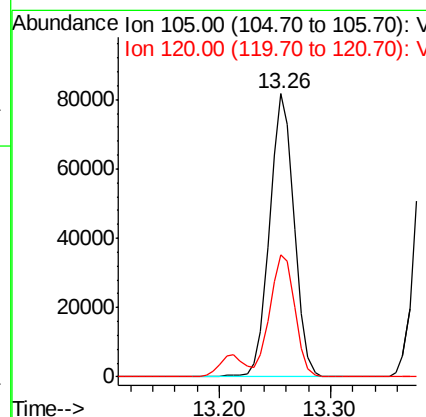
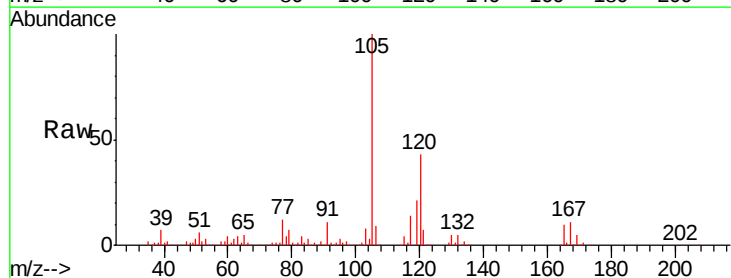
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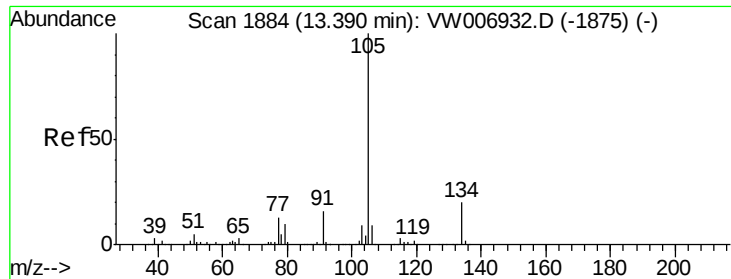
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#84
 1,2,4-Trimethylbenzene
 Concen: 23.35 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW006931.D
 Acq: 16 Nov 2018 23:44

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.6	21.9	65.8





#85

sec-Butylbenzene

Concen: 22.66 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VW006931.D

Acq: 16 Nov 2018 23:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tgt Ion:105 Resp: 149649

Ion Ratio Lower Upper

105 100

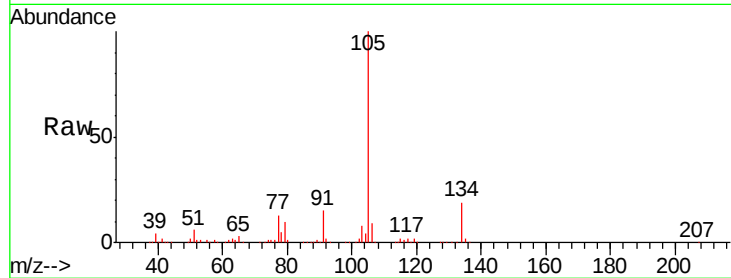
134 19.7 9.8 29.4

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

100000

80000

60000

40000

20000

0

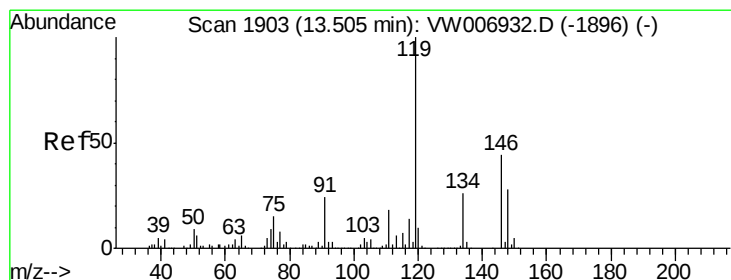
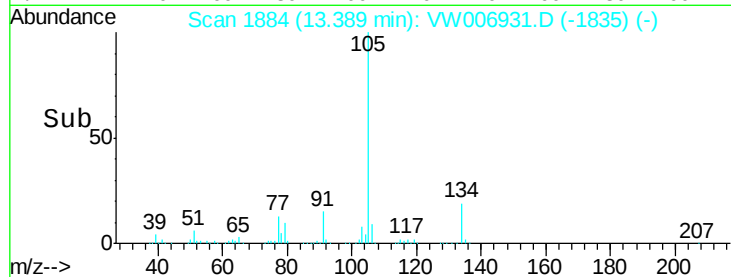
13.39

13.35

13.40

13.45

Time-->



#86

p-Isopropyltoluene

Concen: 21.89 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. -0.00 min

Lab File: VW006931.D

Acq: 16 Nov 2018 23:44

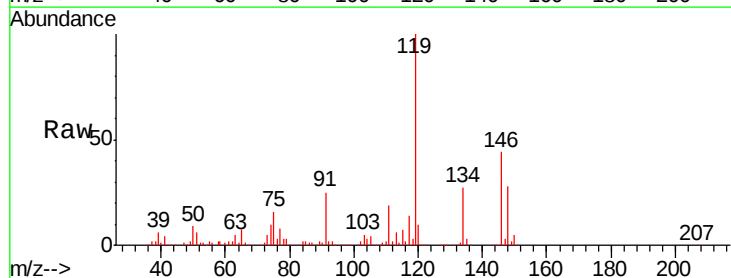
Tgt Ion:119 Resp: 130549

Ion Ratio Lower Upper

119 100

134 26.5 12.7 38.1

91 24.9 12.4 37.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

120000

100000

80000

60000

40000

20000

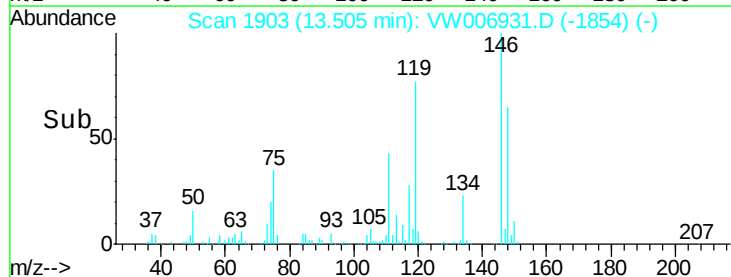
0

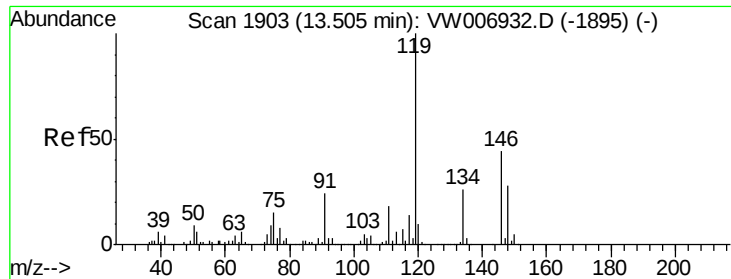
13.51

13.45

13.55

Time-->





#87

1,3-Dichlorobenzene

Concen: 20.30 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. -0.00 min

Lab File: VW006931.D

Acq: 16 Nov 2018 23:44

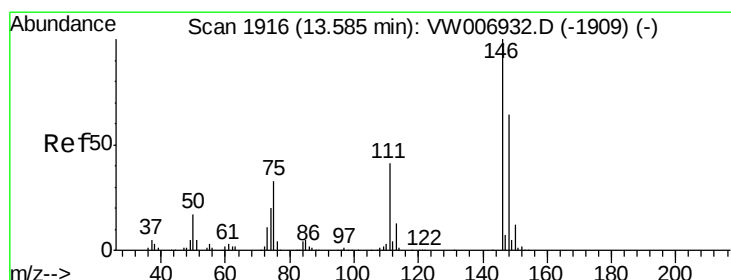
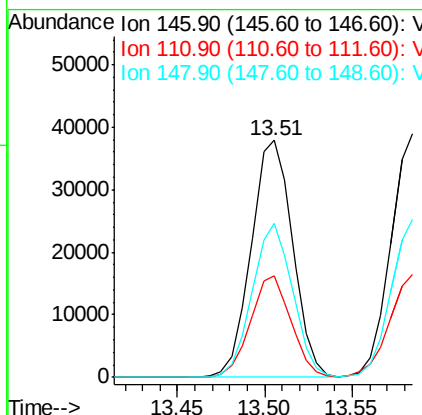
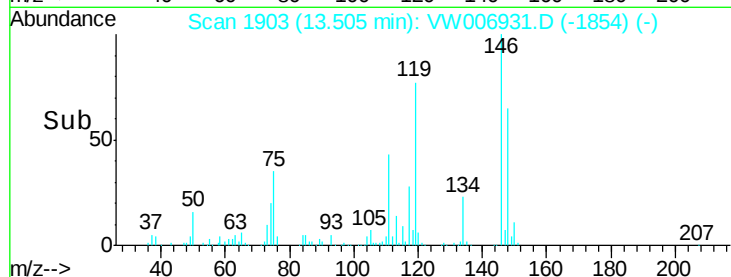
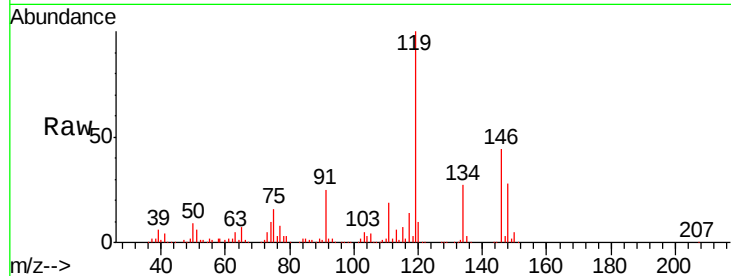
Instrument :
MSVOA_W

ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.8	21.3	63.9
148	62.9	31.9	95.9

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#88

1,4-Dichlorobenzene

Concen: 20.33 ug/l

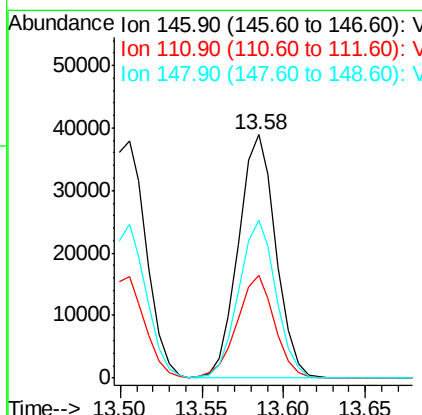
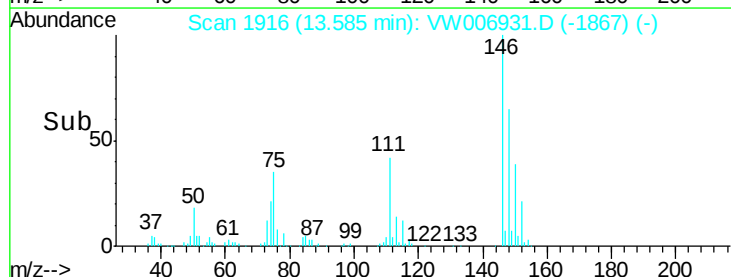
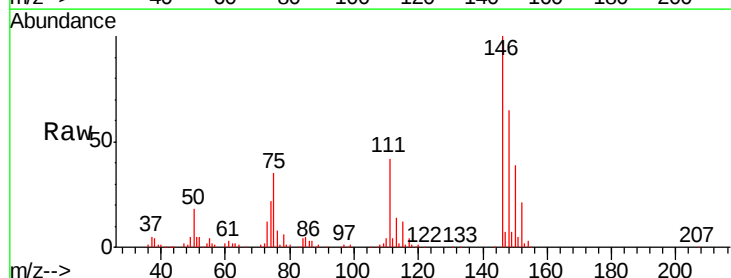
RT: 13.58 min Scan# 1916

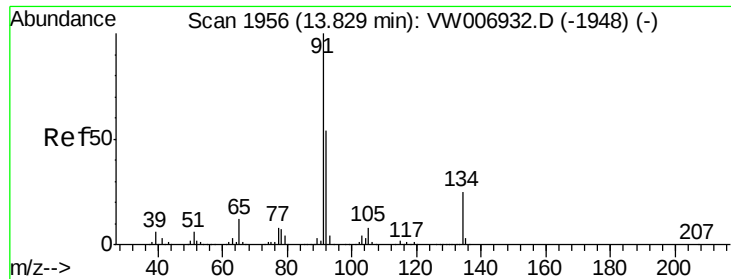
Delta R.T. -0.00 min

Lab File: VW006931.D

Acq: 16 Nov 2018 23:44

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.7	20.7	62.1
148	64.8	31.9	95.9





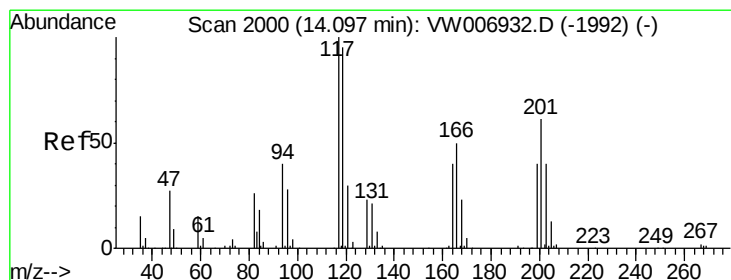
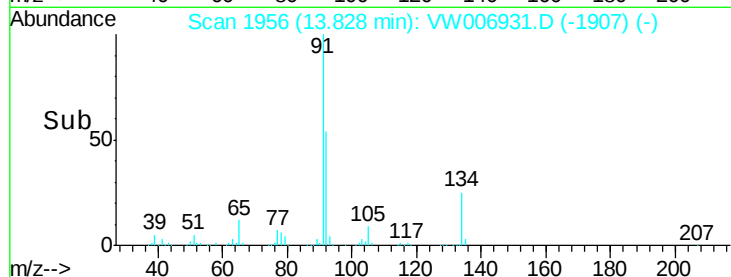
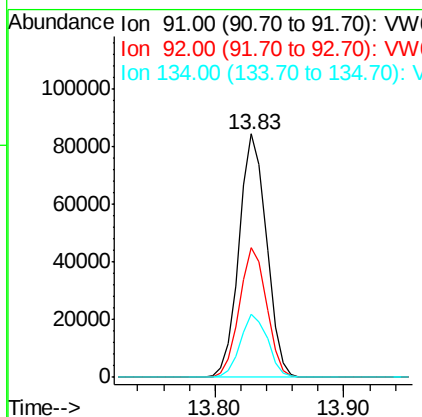
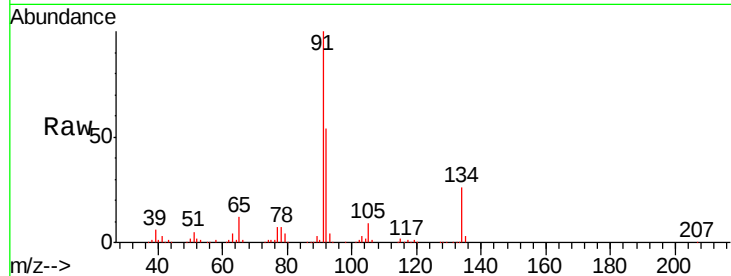
#89
n-Butylbenzene
Concen: 22.58 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW006931.D
Acq: 16 Nov 2018 23:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.4	79.2
134	25.9	12.9	38.6

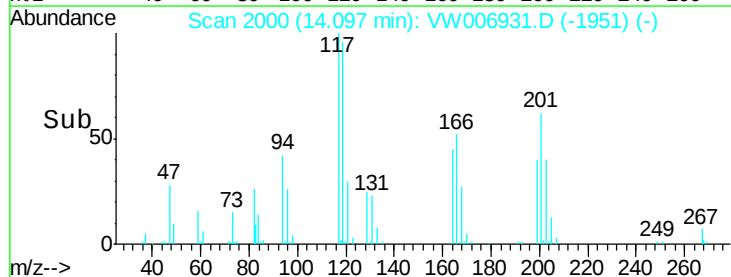
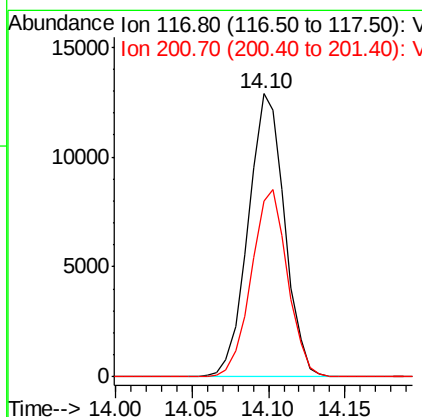
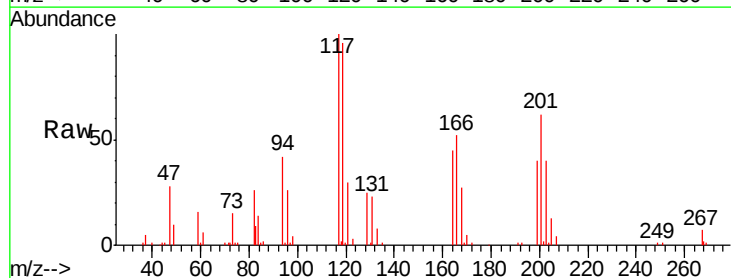
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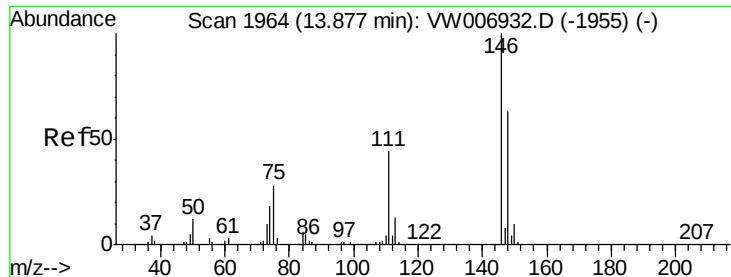
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#90
Hexachloroethane
Concen: 22.16 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW006931.D
Acq: 16 Nov 2018 23:44

Tgt Ion	Ratio	Lower	Upper
117	100		
201	65.9	33.8	101.4





#91

1,2-Dichlorobenzene

Concen: 20.29 ug/l

RT: 13.88 min Scan# 1964

Delta R.T. -0.00 min

Lab File: VW006931.D

Acq: 16 Nov 2018 23:44

Instrument :

MSVOA_W

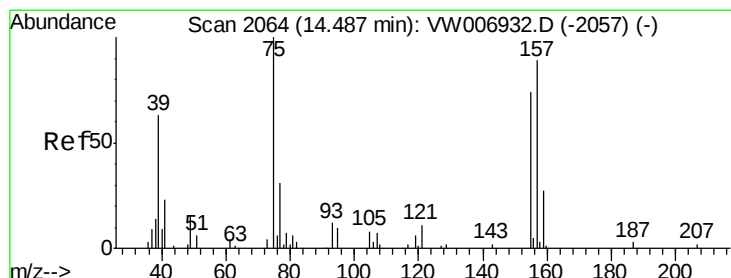
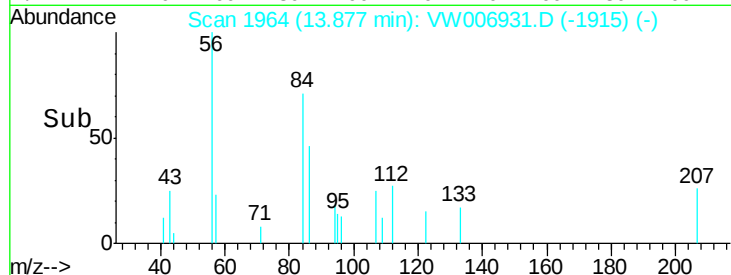
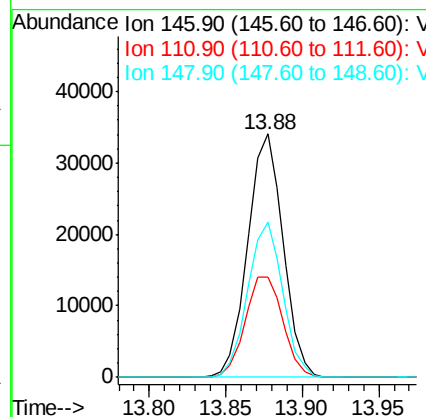
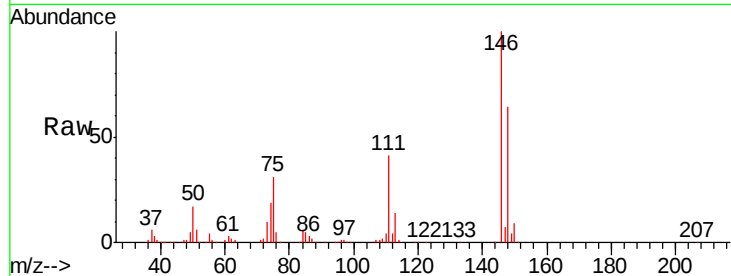
ClientSampleId :

VSTDIC020

Tgt Ion:	146	Resp:	54740
Ion Ratio	Lower	Upper	
146	100		
111	44.2	22.6	67.7
148	63.3	31.7	95.1

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 24.26 ug/l

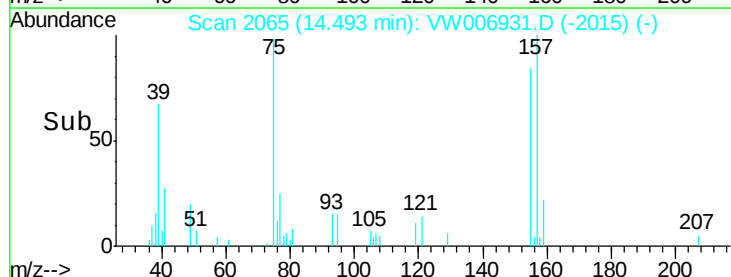
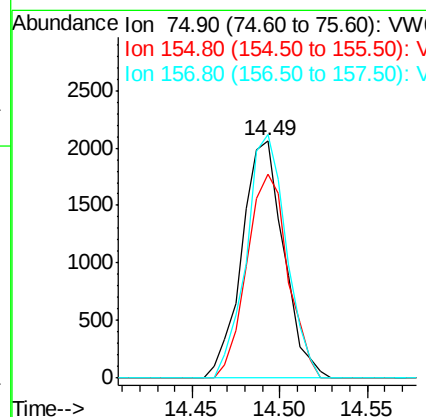
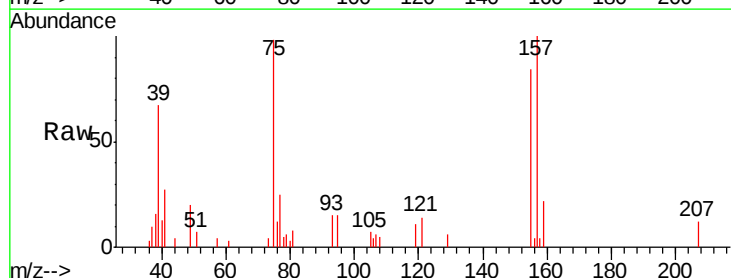
RT: 14.49 min Scan# 2065

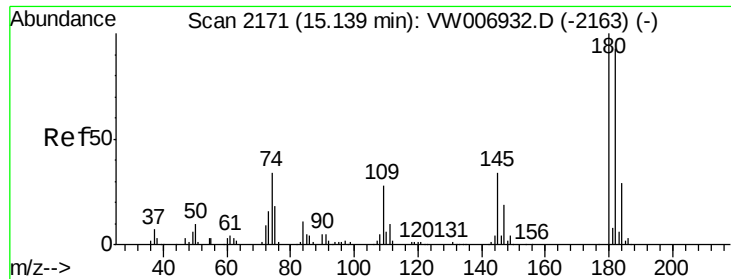
Delta R.T. 0.01 min

Lab File: VW006931.D

Acq: 16 Nov 2018 23:44

Tgt Ion:	75	Resp:	3439
Ion Ratio	Lower	Upper	
75	100		
155	84.3	38.6	115.7
157	97.7	49.7	149.1





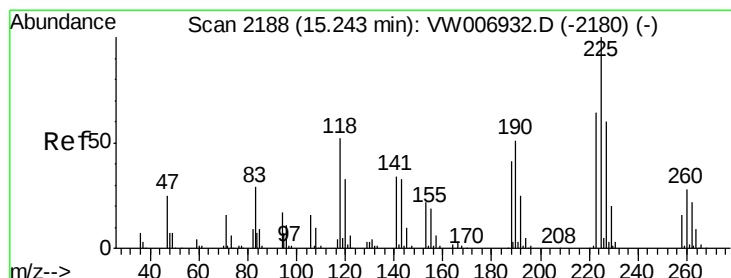
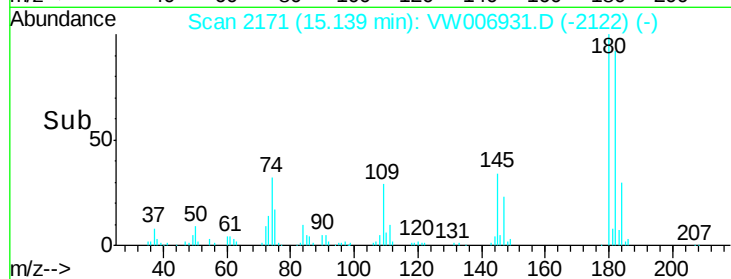
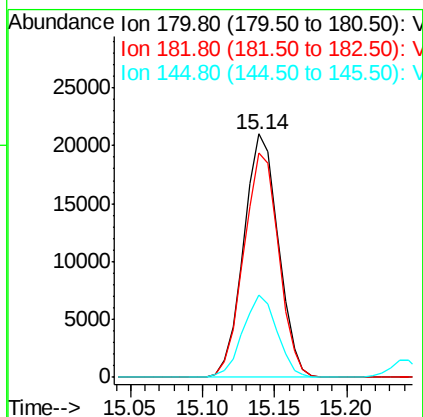
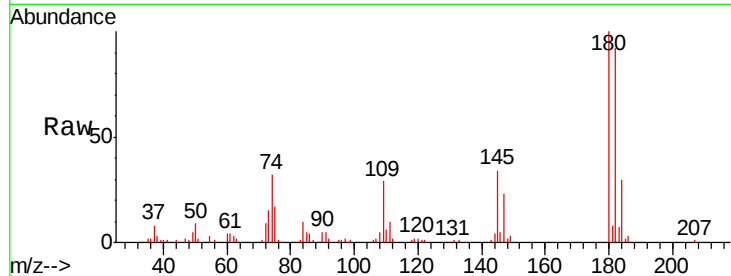
#93
1,2,4-Trichlorobenzene
Concen: 17.66 ug/l
RT: 15.14 min Scan# 2171
Delta R.T. -0.00 min
Lab File: VW006931.D
Acq: 16 Nov 2018 23:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.7	47.3	141.9
145	33.5	16.8	50.4

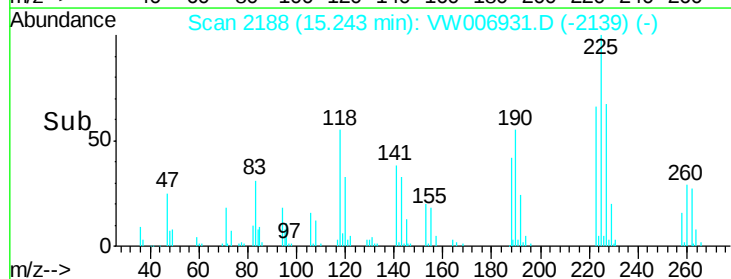
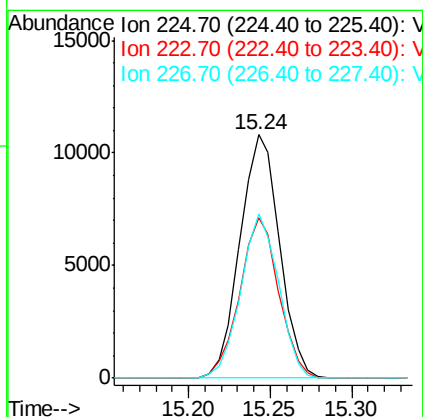
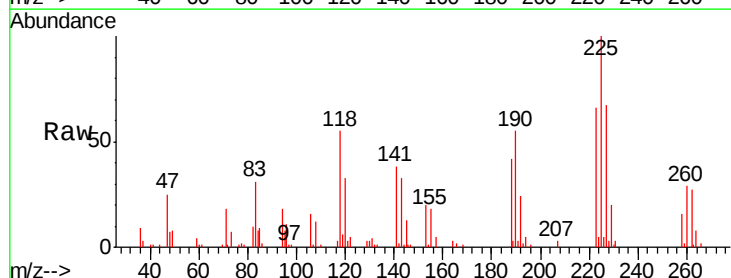
Manual Integrations
APPROVED

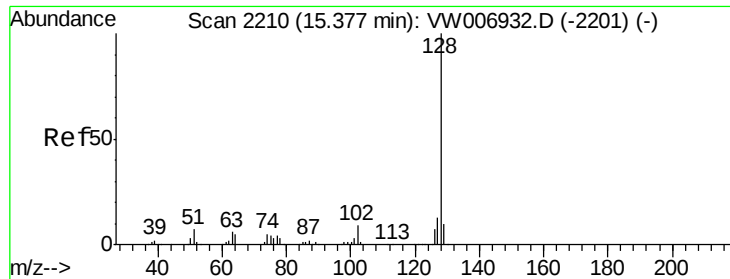
apatel
11/19/2018 3:29:22 PM



#94
Hexachlorobutadiene
Concen: 14.95 ug/l
RT: 15.24 min Scan# 2188
Delta R.T. -0.00 min
Lab File: VW006931.D
Acq: 16 Nov 2018 23:44

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.8	32.1	96.3
227	64.4	31.6	95.0





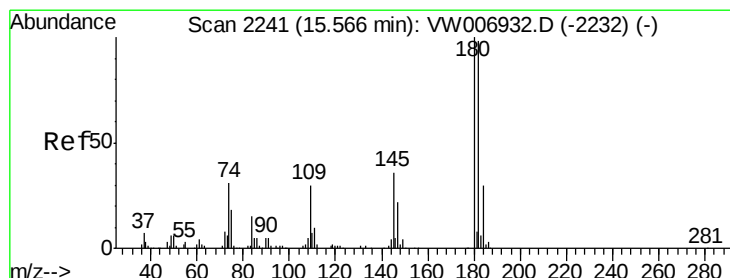
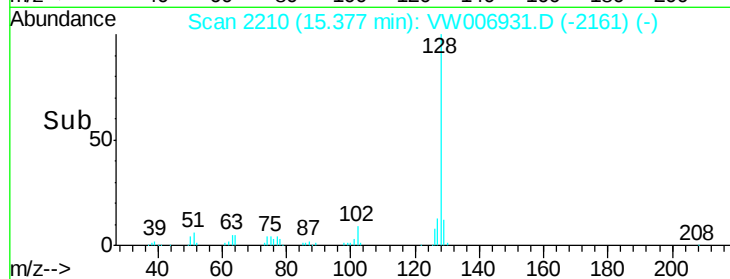
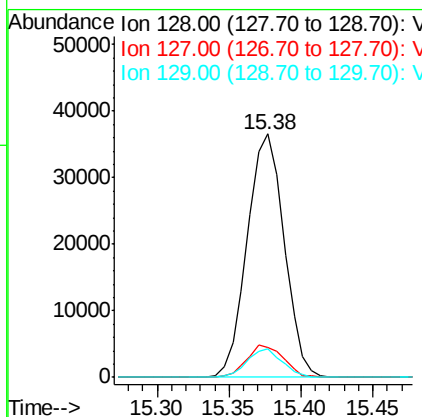
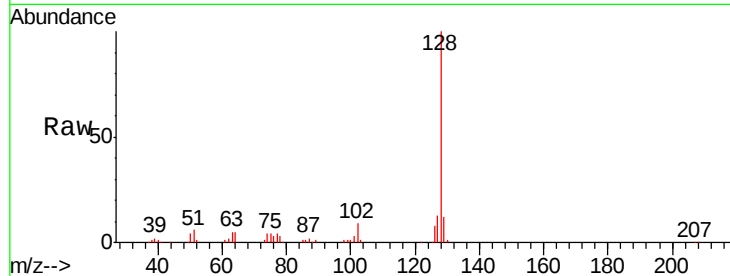
#95
Naphthalene
Concen: 21.02 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW006931.D
Acq: 16 Nov 2018 23:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.6	15.8
129	11.2	8.5	12.7

Manual Integrations
APPROVED

apatel
11/19/2018 3:29:22 PM



#96
1,2,3-Trichlorobenzene
Concen: 17.32 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VW006931.D
Acq: 16 Nov 2018 23:44

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.4	142.2
145	35.5	17.6	52.9

