

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW112118\
 Data File : VW006974.D
 Acq On : 20 Nov 2018 14:14
 Operator : SY/AP
 Sample : VSTDIC010
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 11/21/2018 11:32:32 AM

Quant Time: Nov 21 03:12:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W112118S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 21 02:56:06 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	124972	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	192760	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	183177	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	93365	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	11265	9.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	18.42%	
35) Dibromofluoromethane	7.88	113	9886	9.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	18.16%	
50) Toluene-d8	10.32	98	45630	9.49	ug/l	0.00
Spiked Amount 50.000			Recovery	=	18.98%	
62) 4-Bromofluorobenzene	12.62	95	18561	9.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	19.62%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	13501	10.94	ug/l	97
3) Chloromethane	2.21	50	10715	10.42	ug/l	97
4) Vinyl Chloride	2.36	62	10186	10.07	ug/l	95
5) Bromomethane	2.78	94	5684	10.53	ug/l	93
6) Chloroethane	2.92	64	5651	10.13	ug/l	96
7) Trichlorofluoromethane	3.26	101	19835	9.97	ug/l	93
8) Diethyl Ether	3.69	74	6082	9.49	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	13431	10.41	ug/l	98
10) Methyl Iodide	4.27	142	12755	8.64	ug/l	100
11) Tert butyl alcohol	5.23	59	3893m	49.59	ug/l	
12) 1,1-Dichloroethene	4.04	96	10956	9.69	ug/l	92
13) Acrolein	3.90	56	4497	54.98	ug/l	97
14) Allyl chloride	4.68	41	17632	9.40	ug/l	97
15) Acrylonitrile	5.39	53	11019	45.73	ug/l	97
16) Acetone	4.15	43	8447	47.55	ug/l	93
17) Carbon Disulfide	4.39	76	34059	9.31	ug/l	97
18) Methyl Acetate	4.69	43	5432	8.59	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	28192	9.54	ug/l	99
20) Methylene Chloride	4.92	84	19454	11.08	ug/l	96
21) trans-1,2-Dichloroethene	5.43	96	12889	9.78	ug/l	91
22) Diisopropyl ether	6.32	45	34674	9.50	ug/l	97
23) Vinyl Acetate	6.26	43	92214	47.55	ug/l	99
24) 1,1-Dichloroethane	6.22	63	21010	9.46	ug/l	94
25) 2-Butanone	7.18	43	14560	47.86	ug/l	98
26) 2,2-Dichloropropane	7.17	77	20124	10.07	ug/l	99
27) cis-1,2-Dichloroethene	7.18	96	13754	9.80	ug/l	99
28) Bromochloromethane	7.51	49	7805	9.40	ug/l	98
29) Tetrahydrofuran	7.54	42	9187	46.62	ug/l	98
30) Chloroform	7.68	83	23275	9.86	ug/l	97
31) Cyclohexane	7.95	56	24896	10.57	ug/l	# 92
32) 1,1,1-Trichloroethane	7.87	97	21619	10.17	ug/l	99
36) 1,1-Dichloropropene	8.09	75	18850	10.01	ug/l	99
37) Ethyl Acetate	7.26	43	7127	10.44	ug/l	98
38) Carbon Tetrachloride	8.07	117	18868	10.46	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	23803	10.10	ug/l	98
40) Benzene	8.32	78	50408	9.91	ug/l	99
41) Methacrylonitrile	7.48	41	4106	9.69	ug/l	96
42) 1,2-Dichloroethane	8.40	62	14982	10.15	ug/l	100
43) Isopropyl Acetate	8.43	43	12082	9.29	ug/l	99
44) Trichloroethene	9.10	130	14292	10.03	ug/l	91
45) 1,2-Dichloropropane	9.37	63	12477	9.95	ug/l	98
46) Dibromomethane	9.46	93	6203	9.88	ug/l	98
47) Bromodichloromethane	9.65	83	16443	9.94	ug/l	99
48) Methyl methacrylate	9.44	41	5726	9.13	ug/l	97
49) 1,4-Dioxane	9.48	88	1859	199.26	ug/l #	98
51) 4-Methyl-2-Pentanone	10.21	43	32459	49.38	ug/l	98
52) Toluene	10.39	92	34173	9.88	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	15071	9.41	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	18138	9.37	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	8941	9.68	ug/l	96
56) Ethyl methacrylate	10.65	69	9962	9.29	ug/l	100
57) 1,3-Dichloropropane	10.93	76	15648	10.11	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	27819	49.66	ug/l	98
59) 2-Hexanone	10.97	43	21689	48.18	ug/l	99
60) Dibromochloromethane	11.13	129	9735	9.25	ug/l	99
61) 1,2-Dibromoethane	11.24	107	8148	9.64	ug/l	99
64) Tetrachloroethene	10.86	164	11386	9.66	ug/l	96
65) Chlorobenzene	11.66	112	38235	10.00	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	10725	9.27	ug/l	94
67) Ethyl Benzene	11.73	91	70620	10.05	ug/l	100
68) m/p-Xylenes	11.84	106	55350	20.09	ug/l	98
69) o-Xylene	12.17	106	25548	9.83	ug/l	96
70) Styrene	12.18	104	41108	9.94	ug/l	99
71) Bromoform	12.35	173	4936	9.06	ug/l #	98
73) Isopropylbenzene	12.47	105	71657	9.88	ug/l	100
74) N-amyl acetate	12.27	43	11079	9.11	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	9124	9.45	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	7105m	5.88	ug/l	
77) Bromobenzene	12.75	156	15413	9.89	ug/l	95
78) n-propylbenzene	12.80	91	87387	9.94	ug/l	98
79) 2-Chlorotoluene	12.90	91	50213	9.91	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	60813	9.69	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	2748	9.40	ug/l	99
82) 4-Chlorotoluene	12.99	91	52920	9.95	ug/l	100
83) tert-Butylbenzene	13.21	119	54187	9.97	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	60936	9.75	ug/l	98
85) sec-Butylbenzene	13.39	105	76536	9.97	ug/l	98
86) p-Isopropyltoluene	13.51	119	66540	9.83	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	31944	10.04	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	31852	10.04	ug/l	98
89) n-Butylbenzene	13.83	91	62884	9.87	ug/l	99
90) Hexachloroethane	14.10	117	9096	9.20	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	27531	9.88	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	1631	10.00	ug/l	88

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QLast Update : Wed Nov 21 02:56:06 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	17443	9.49	ug/l	99
94) Hexachlorobutadiene	15.24	225	10223	10.23	ug/l	97
95) Naphthalene	15.38	128	30701	9.20	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	14089	9.24	ug/l	98

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

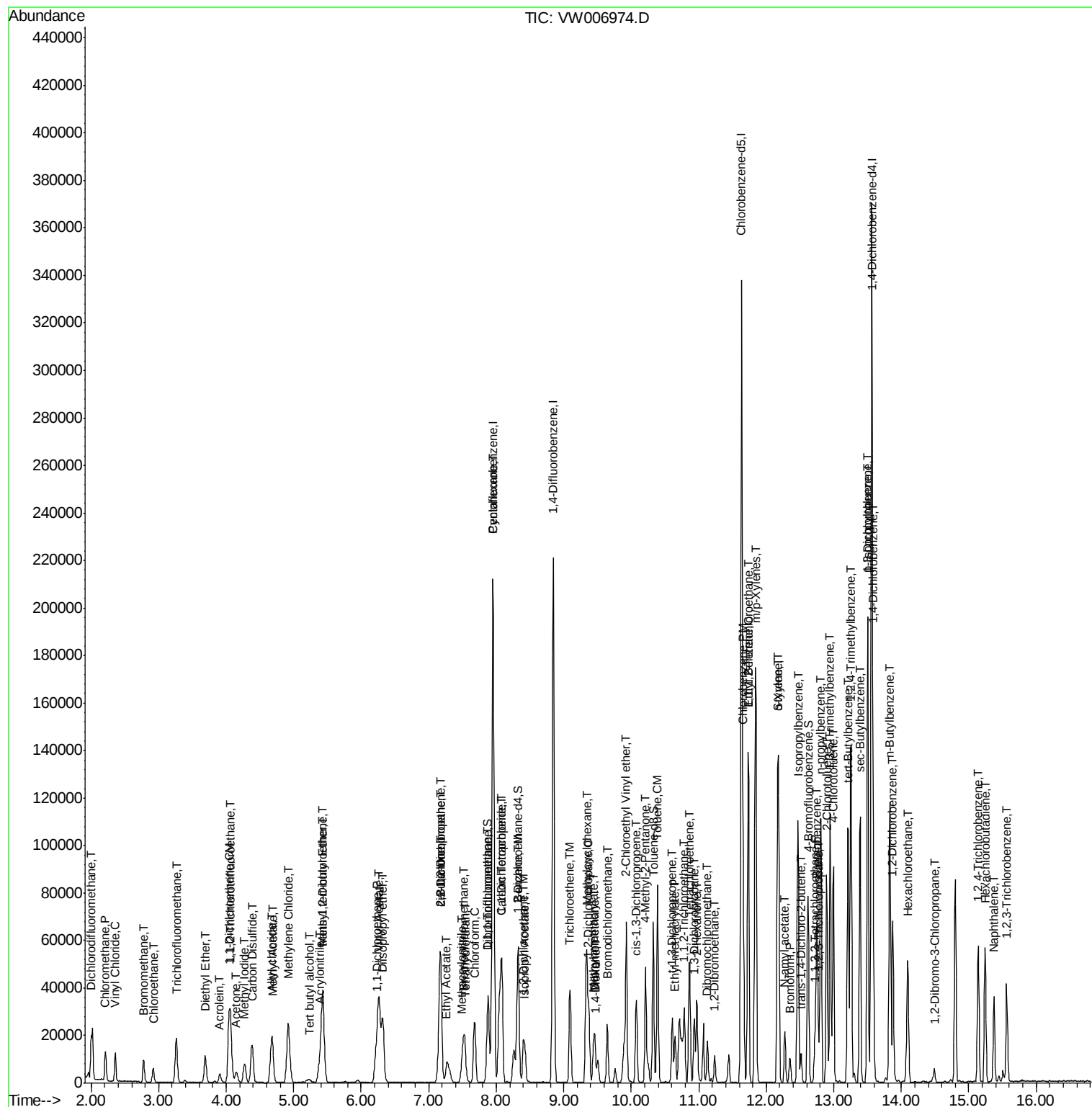
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW112118\
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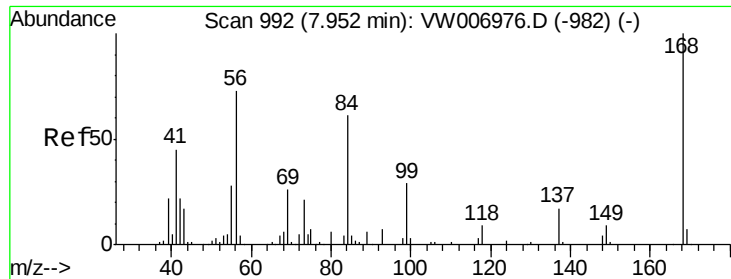
Instrument :
 MSVOA_W
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW006974.D

Acq: 20 Nov 2018 14:14

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tgt Ion:168 Resp: 124972

Ion Ratio Lower Upper

168 100

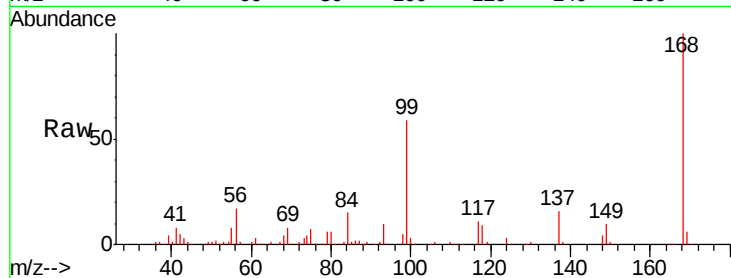
99 59.3 48.2 72.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

60000

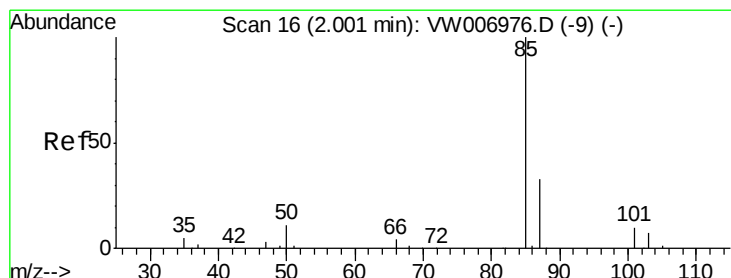
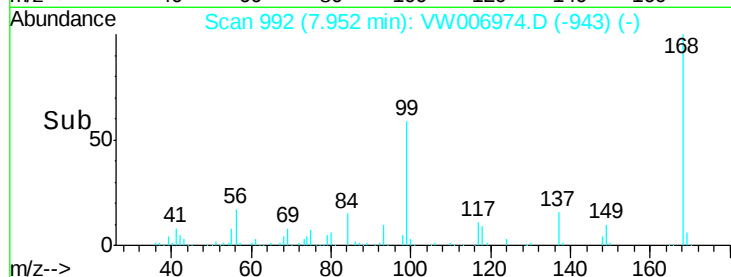
40000

20000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 10.94 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.00 min

Lab File: VW006974.D

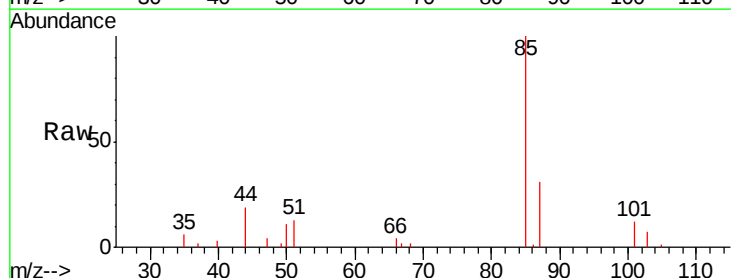
Acq: 20 Nov 2018 14:14

Tgt Ion: 85 Resp: 13501

Ion Ratio Lower Upper

85 100

87 31.1 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

10000

8000

6000

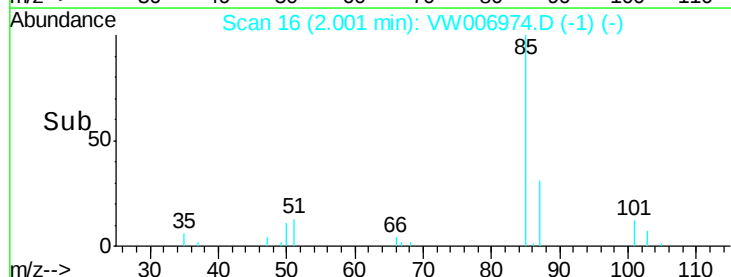
4000

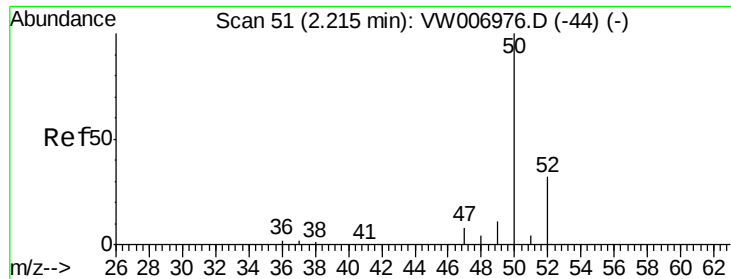
2000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 10.42 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW006974.D

Acq: 20 Nov 2018 14:14

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tgt Ion: 50 Resp: 10715

Ion Ratio Lower Upper

50 100

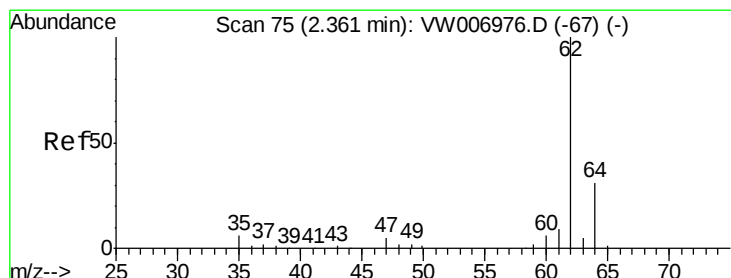
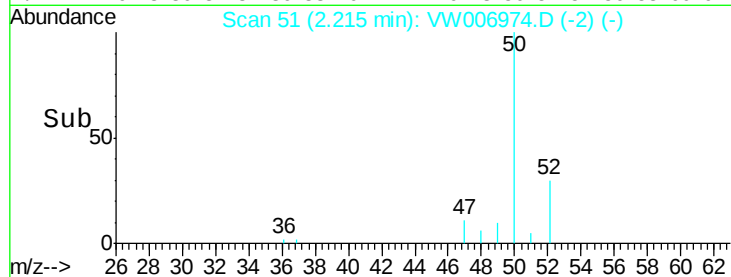
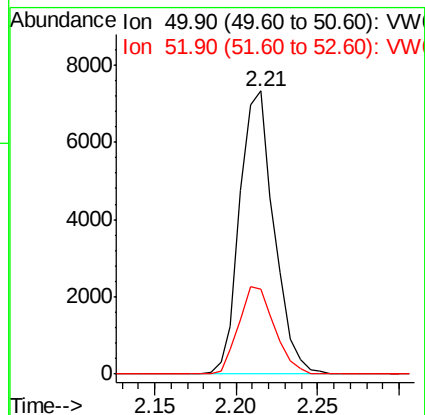
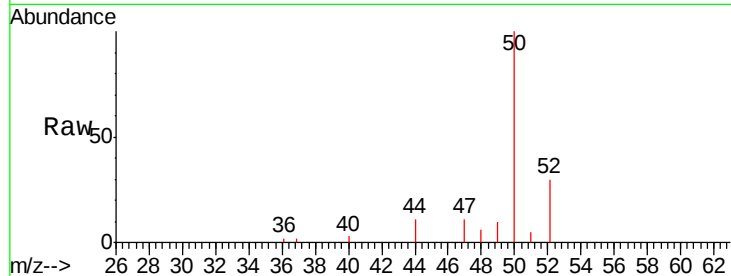
52 30.2 25.7 38.5

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#4

Vinyl Chloride

Concen: 10.07 ug/l

RT: 2.36 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW006974.D

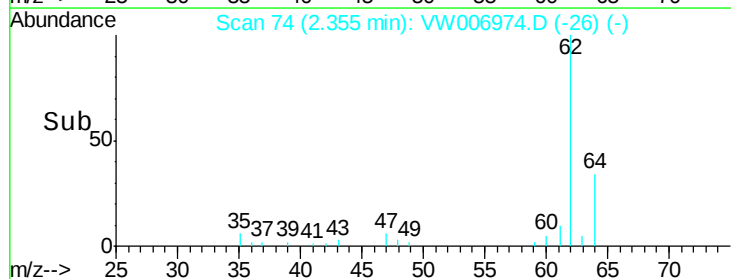
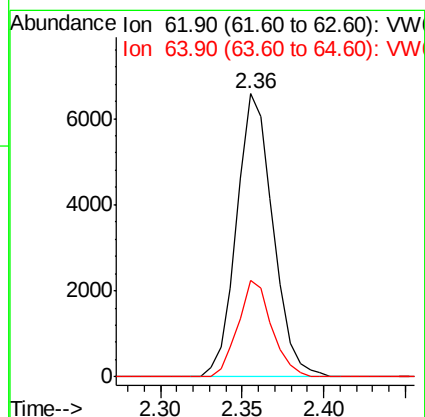
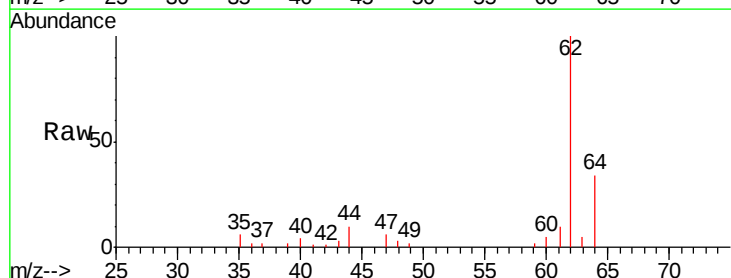
Acq: 20 Nov 2018 14:14

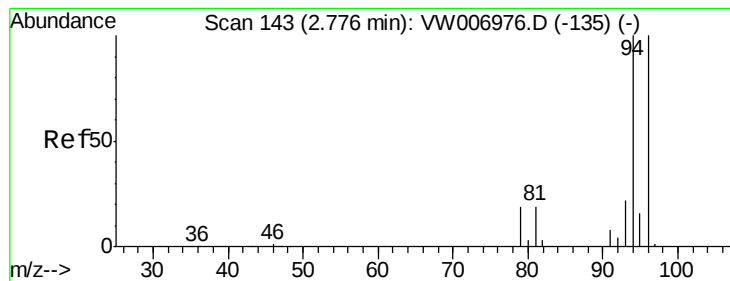
Tgt Ion: 62 Resp: 10186

Ion Ratio Lower Upper

62 100

64 34.3 25.2 37.8





#5

Bromomethane

Concen: 10.53 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW006974.D

Acq: 20 Nov 2018 14:14

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tgt Ion: 94 Resp: 5684

Ion Ratio Lower Upper

94 100

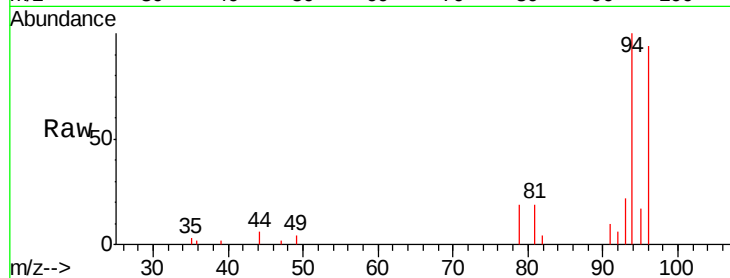
96 93.6 80.2 120.2

Manual Integrations

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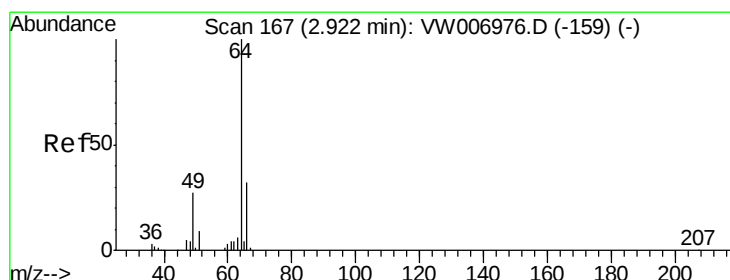
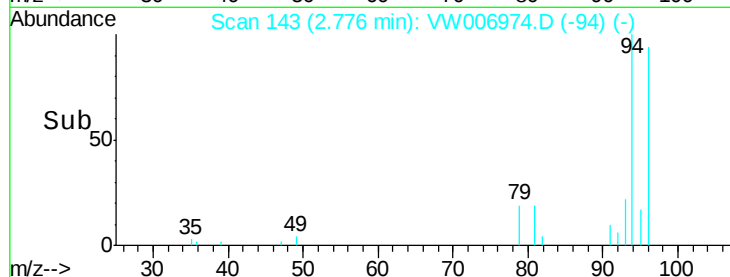
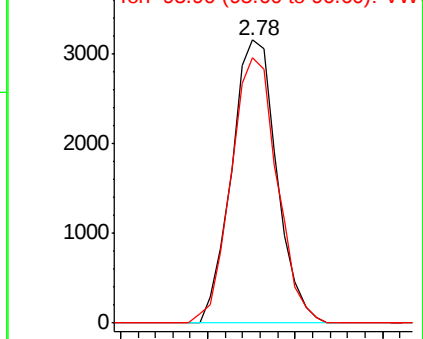
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Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 10.13 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW006974.D

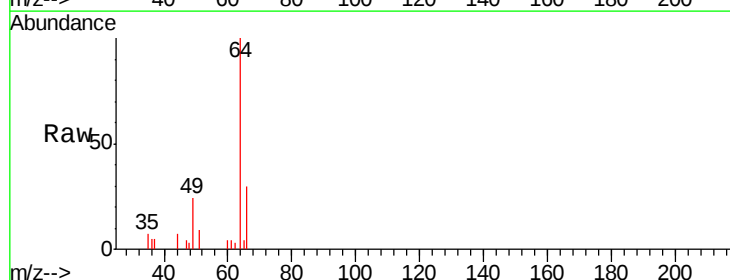
Acq: 20 Nov 2018 14:14

Tgt Ion: 64 Resp: 5651

Ion Ratio Lower Upper

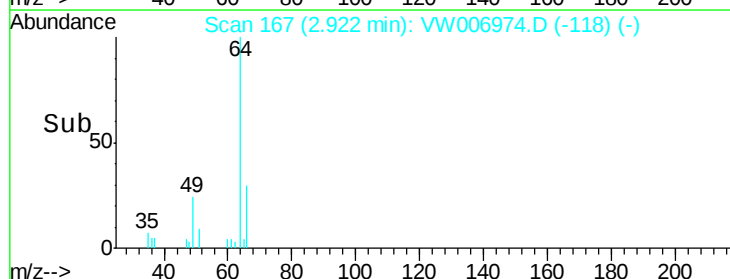
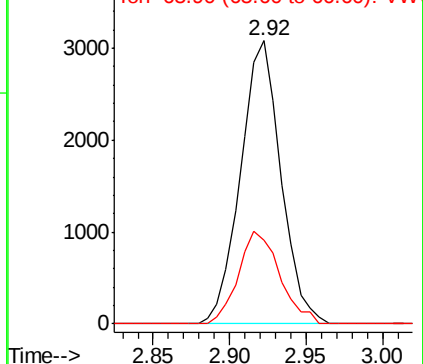
64 100

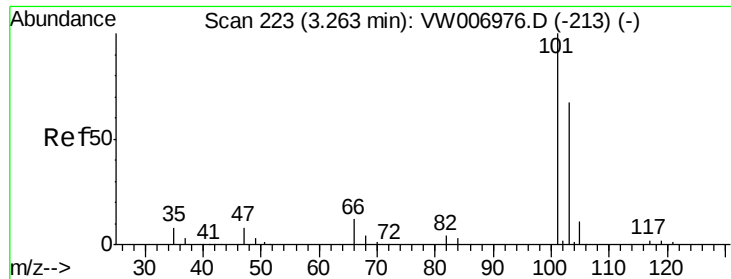
66 29.6 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW





#7

Trichlorofluoromethane

Concen: 9.97 ug/l

RT: 3.26 min Scan# 223

Delta R.T. 0.00 min

Lab File: VW006974.D

Acq: 20 Nov 2018 14:14

Tgt Ion: 101 Resp: 19835

Ion Ratio Lower Upper

101 100

103 61.0 53.4 80.2

Instrument :

MSVOA_W

ClientSampleId :

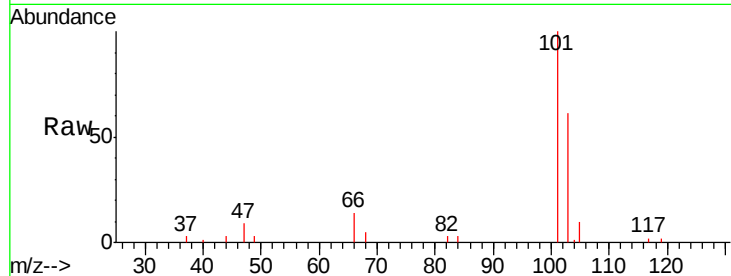
VSTDIC010

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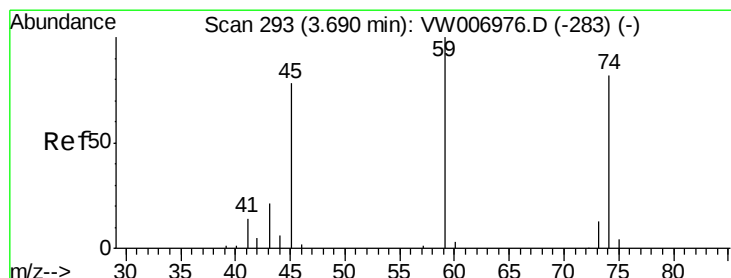
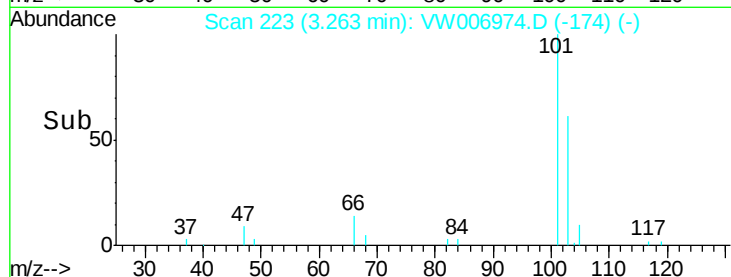
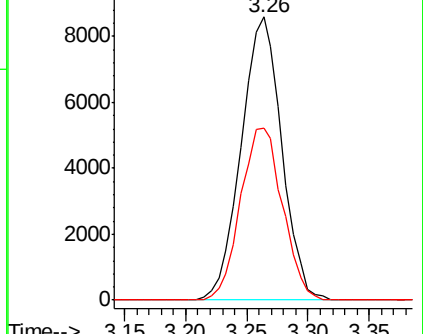
MMDadoda

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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 9.49 ug/l

RT: 3.69 min Scan# 293

Delta R.T. 0.00 min

Lab File: VW006974.D

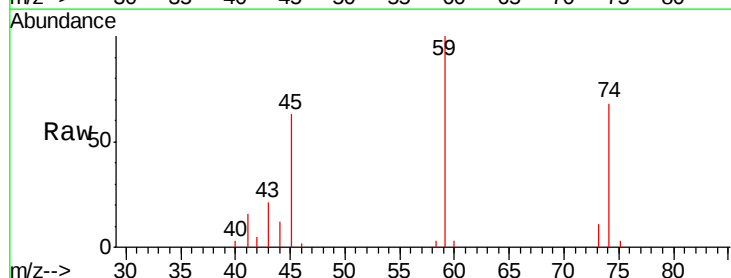
Acq: 20 Nov 2018 14:14

Tgt Ion: 74 Resp: 6082

Ion Ratio Lower Upper

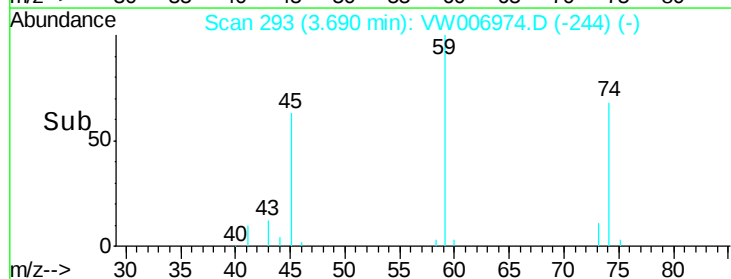
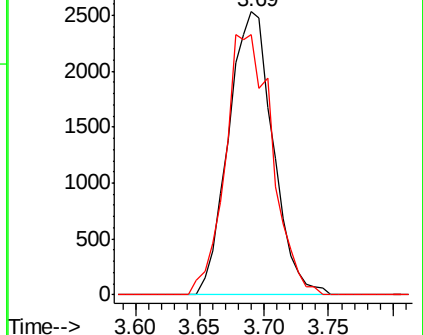
74 100

45 97.0 48.4 145.2



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW





#9

1,1,2-Trichlorotrifluoroethane

Concen: 10.41 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW006974.D

Acq: 20 Nov 2018 14:14

Instrument :

MSVOA_W

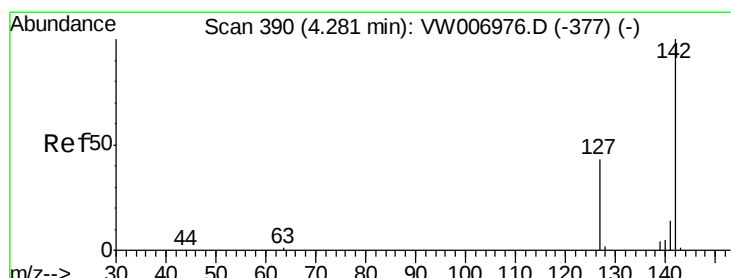
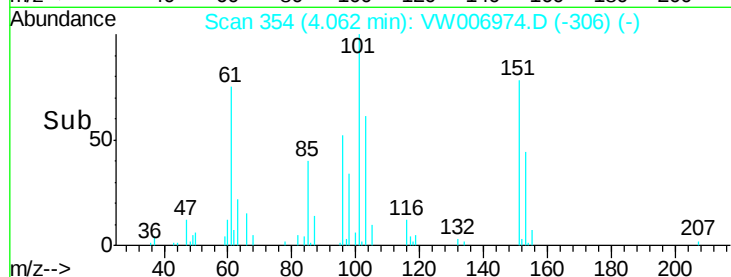
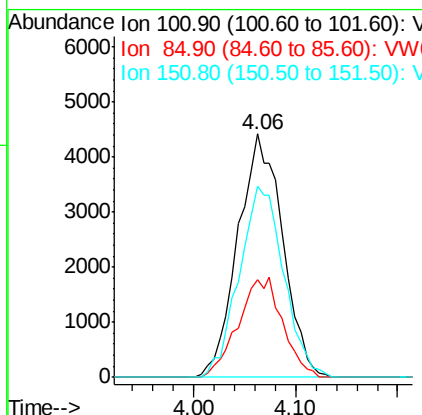
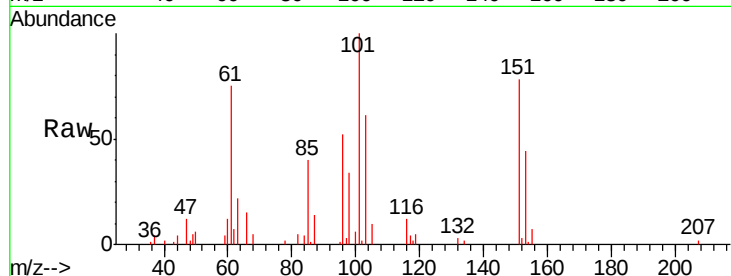
ClientSampleId :

VSTDIC010

Tgt Ion:	101	Resp:	13431
Ion Ratio	Lower	Upper	
101	100		
85	40.6	34.3	51.5
151	78.3	63.4	95.2

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#10

Methyl Iodide

Concen: 8.64 ug/l

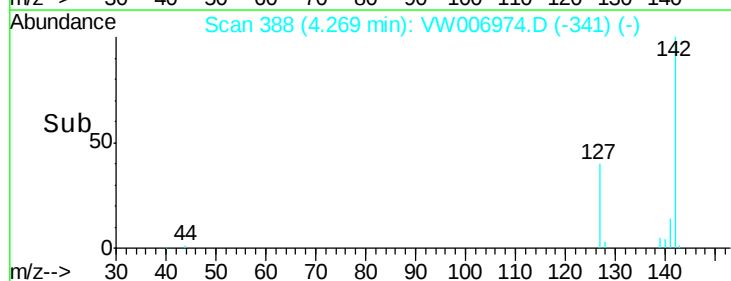
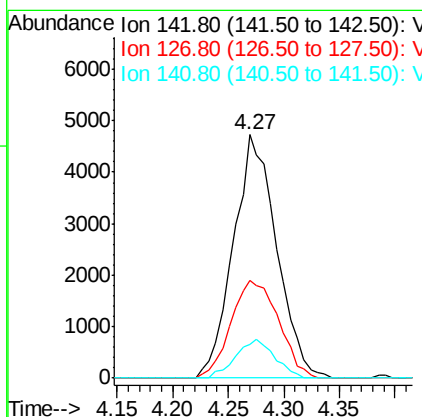
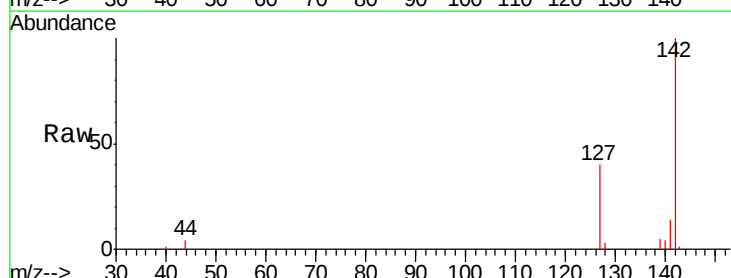
RT: 4.27 min Scan# 388

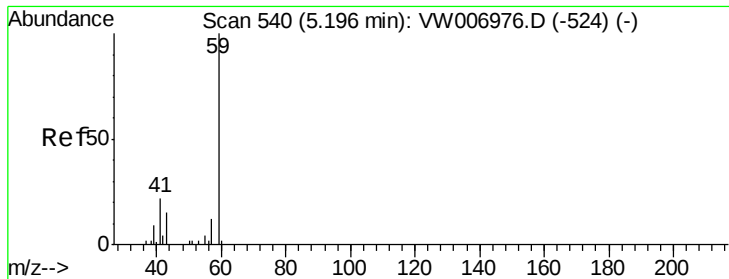
Delta R.T. -0.01 min

Lab File: VW006974.D

Acq: 20 Nov 2018 14:14

Tgt Ion:	142	Resp:	12755
Ion Ratio	Lower	Upper	
142	100		
127	44.1	35.3	52.9
141	14.2	11.7	17.5





#11

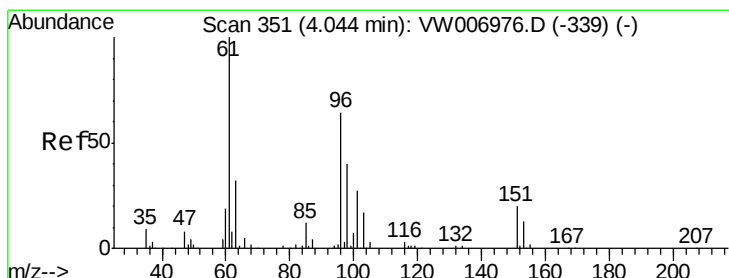
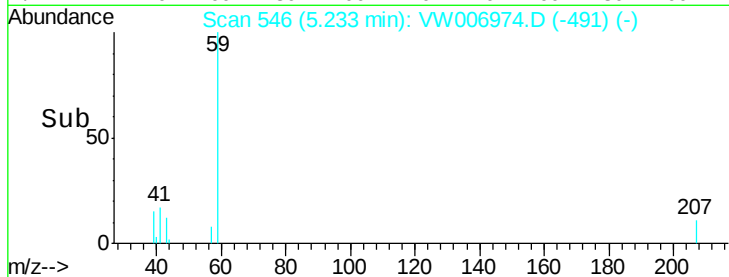
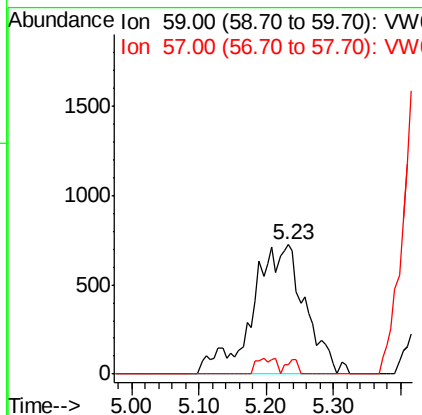
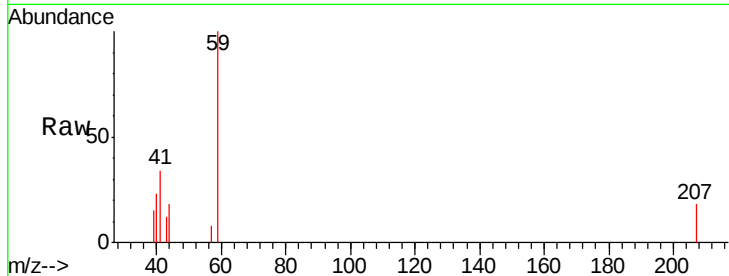
Tert butyl alcohol
Concen: 49.59 ug/l m
RT: 5.23 min Scan# 546
Delta R.T. 0.04 min
Lab File: VW006974.D
Acq: 20 Nov 2018 14:14

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

Tgt Ion: 59 Resp: 3893
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#

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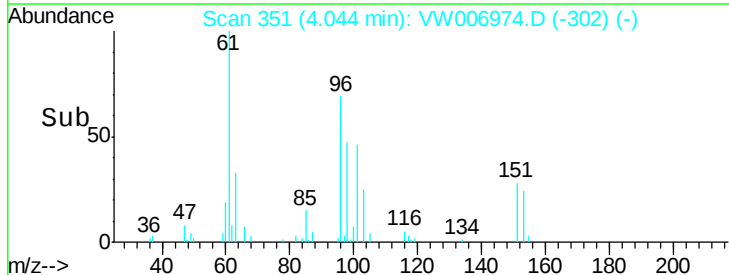
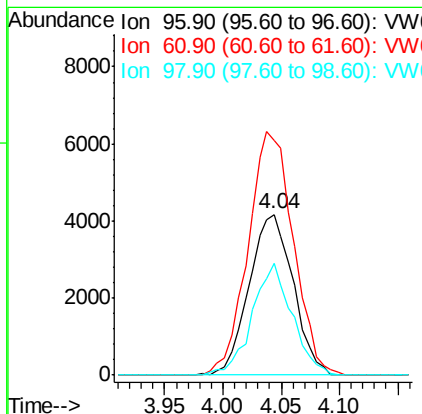
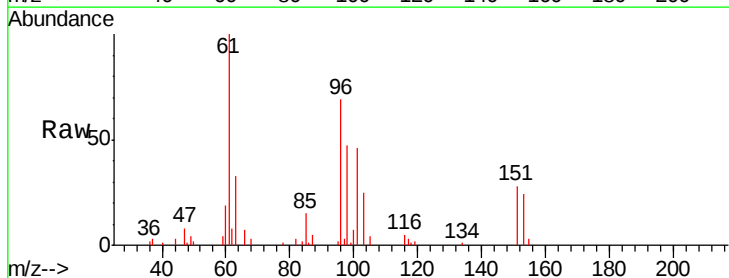
MMDadoda
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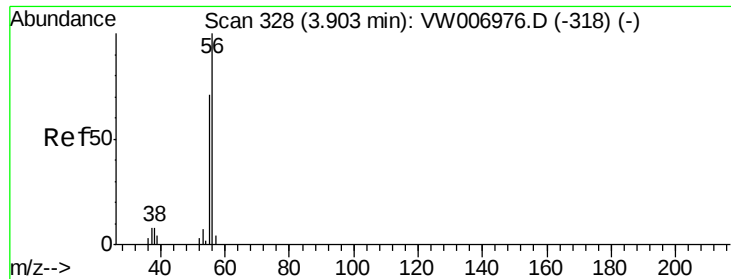


#12

1,1-Dichloroethene
Concen: 9.69 ug/l
RT: 4.04 min Scan# 351
Delta R.T. 0.00 min
Lab File: VW006974.D
Acq: 20 Nov 2018 14:14

Tgt Ion: 96 Resp: 10956
Ion Ratio Lower Upper
96 100
61 145.7 124.3 186.5
98 69.2 49.4 74.2





#13

Acrolein

Concen: 54.98 ug/l

RT: 3.90 min Scan# 328

Delta R.T. 0.00 min

Lab File: VW006974.D

Acq: 20 Nov 2018 14:14

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tgt Ion: 56 Resp: 4497

Ion Ratio Lower Upper

56 100

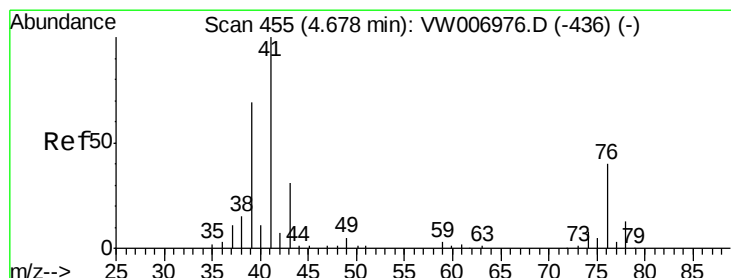
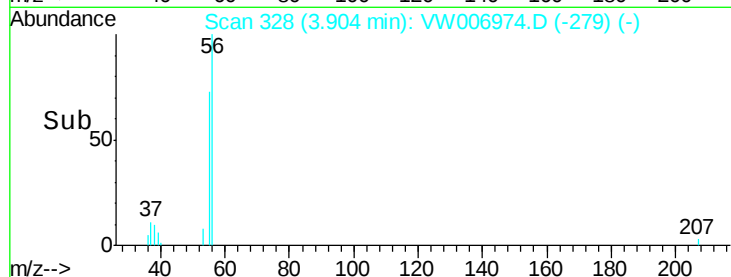
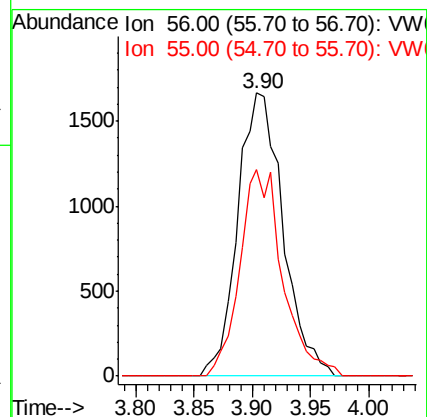
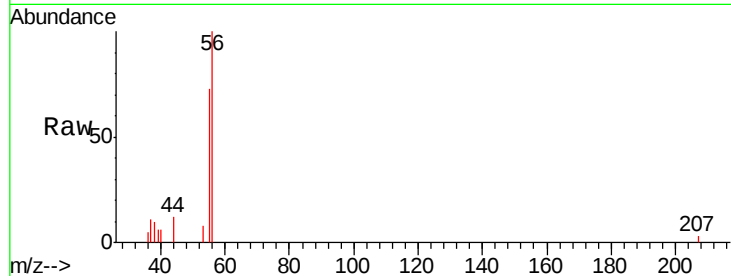
55 69.2 57.5 86.3

Manual Integrations

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#14

Allyl chloride

Concen: 9.40 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.00 min

Lab File: VW006974.D

Acq: 20 Nov 2018 14:14

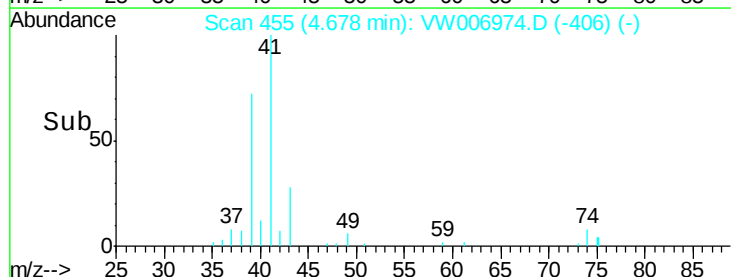
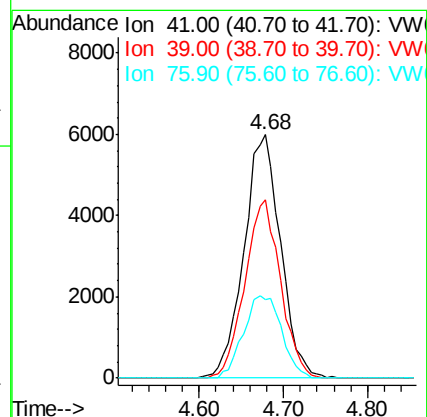
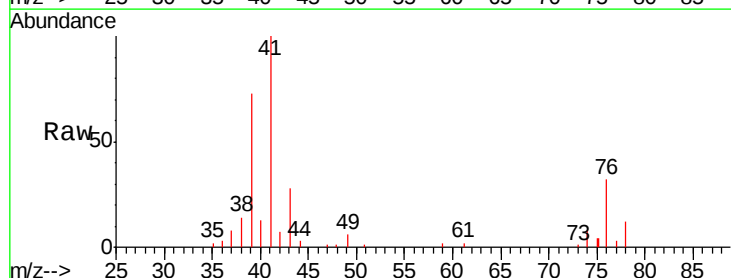
Tgt Ion: 41 Resp: 17632

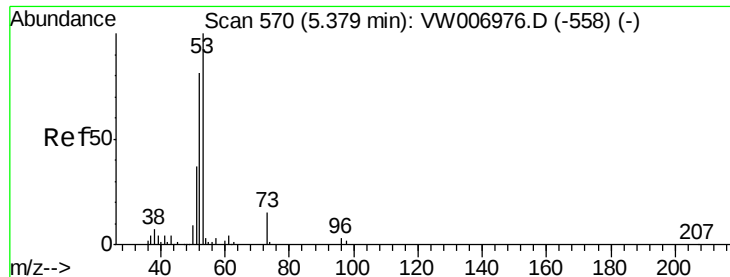
Ion Ratio Lower Upper

41 100

39 71.1 55.4 83.2

76 35.2 29.6 44.4





#15

Acrylonitrile

Concen: 45.73 ug/l

RT: 5.39 min Scan# 571

Delta R.T. 0.01 min

Lab File: VW006974.D

Acq: 20 Nov 2018 14:14

Instrument :

MSVOA_W

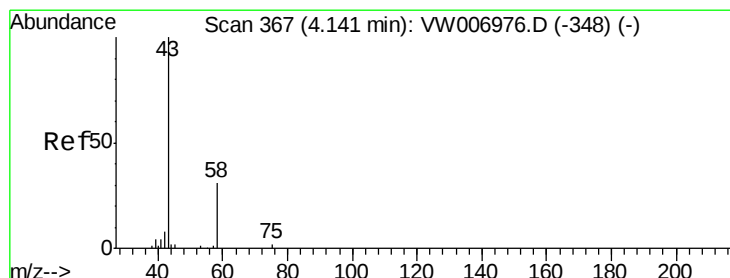
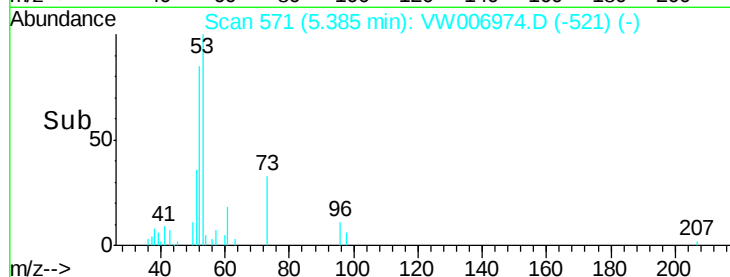
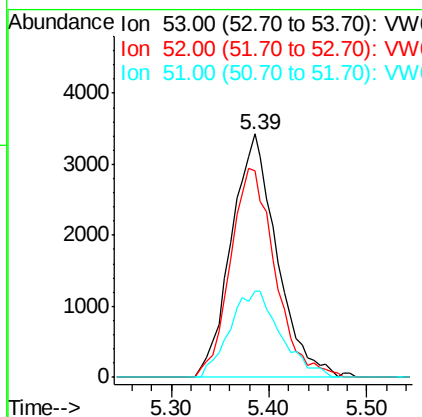
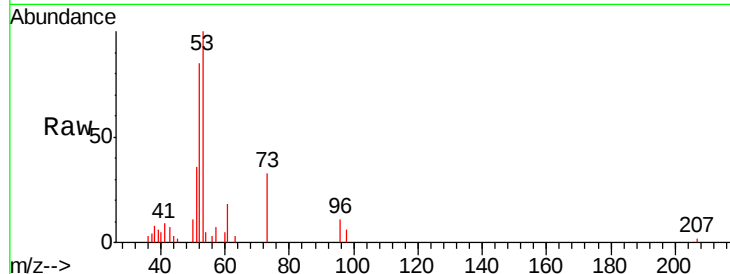
ClientSampleId :

VSTDIC010

Tgt Ion:	53	Resp:	11019
Ion	Ratio	Lower	Upper
53	100		
52	84.4	65.7	98.5
51	39.8	29.9	44.9

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#16

Acetone

Concen: 47.55 ug/l

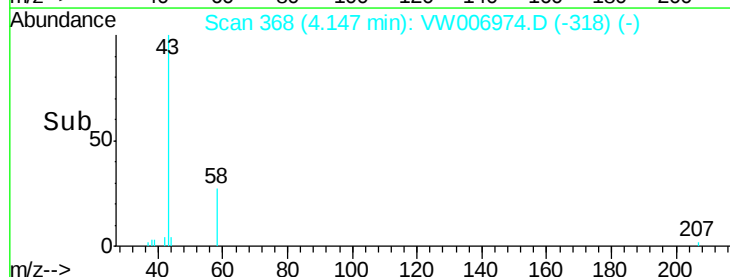
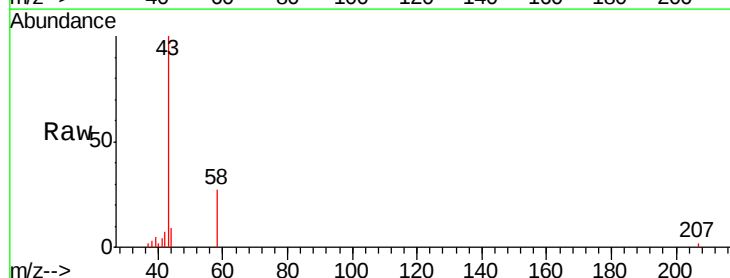
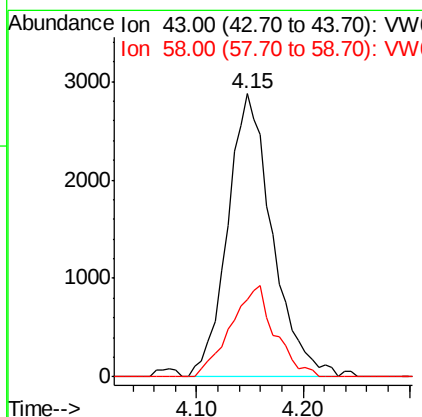
RT: 4.15 min Scan# 368

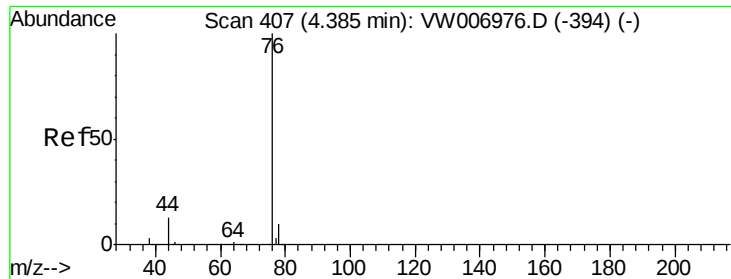
Delta R.T. 0.01 min

Lab File: VW006974.D

Acq: 20 Nov 2018 14:14

Tgt Ion:	43	Resp:	8447
Ion	Ratio	Lower	Upper
43	100		
58	27.3	24.8	37.2





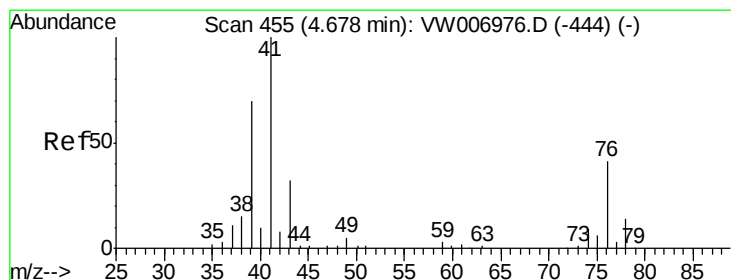
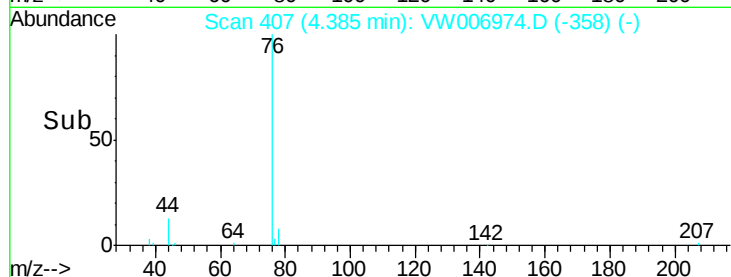
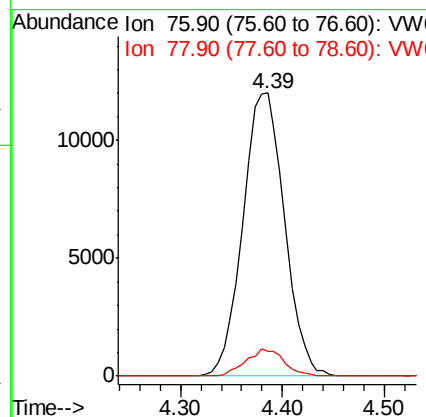
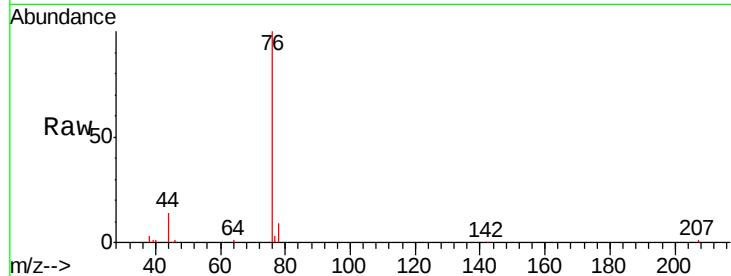
#17
Carbon Disulfide
Concen: 9.31 ug/l
RT: 4.39 min Scan# 407
Delta R.T. 0.00 min
Lab File: VW006974.D
Acq: 20 Nov 2018 14:14

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tgt Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.8	11.6

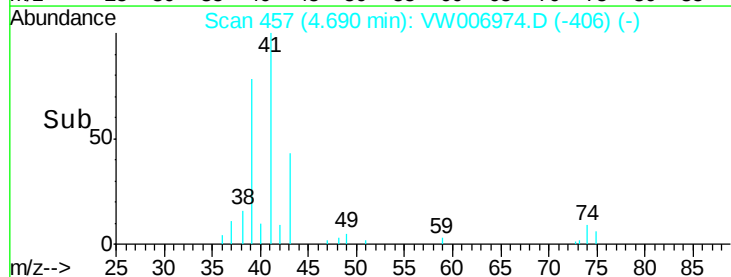
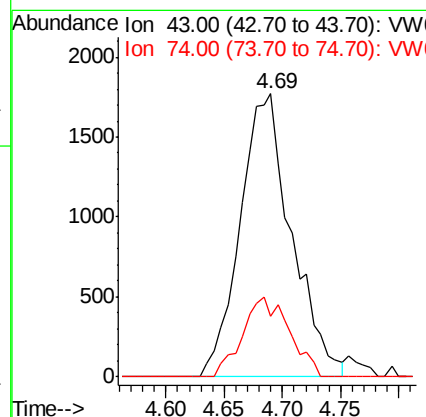
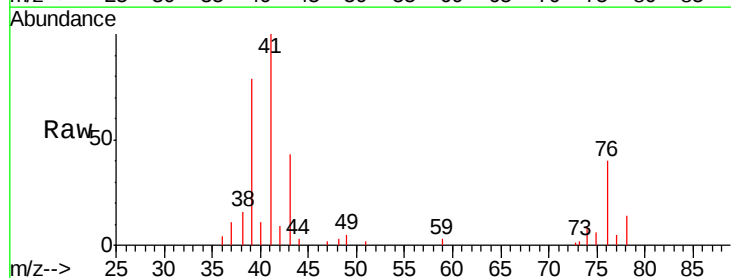
Manual Integrations
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11/21/2018 11:32:32 AM



#18
Methyl Acetate
Concen: 8.59 ug/l
RT: 4.69 min Scan# 457
Delta R.T. 0.01 min
Lab File: VW006974.D
Acq: 20 Nov 2018 14:14

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.6	20.1	30.1





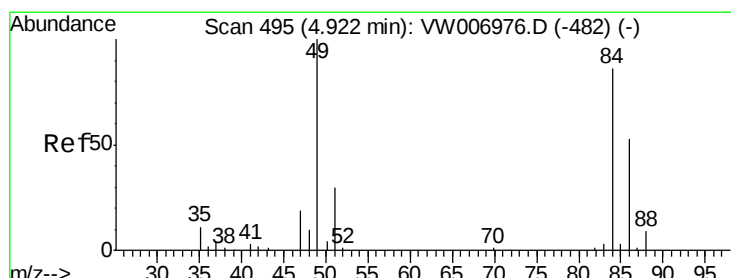
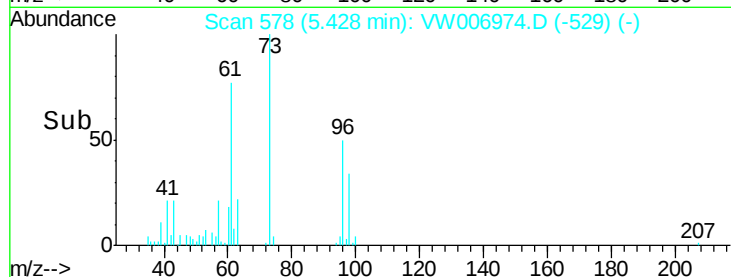
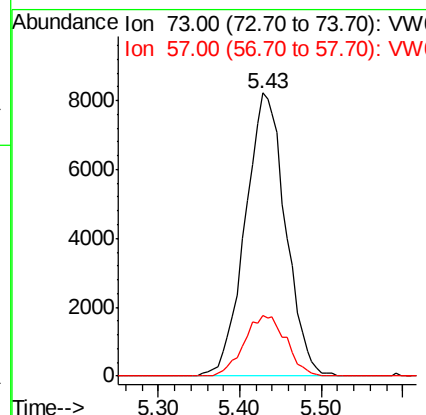
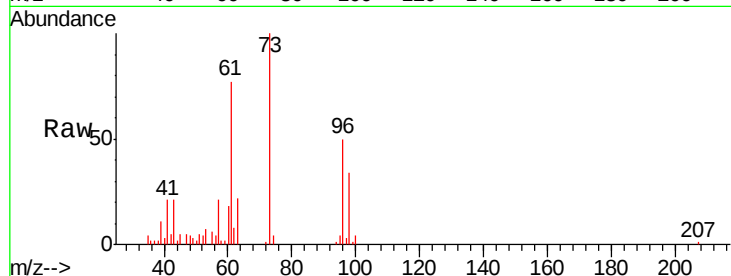
#19
Methyl tert-butyl Ether
Concen: 9.54 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW006974.D
Acq: 20 Nov 2018 14:14

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tgt Ion: 73 Resp: 28192
Ion Ratio Lower Upper
73 100
57 21.4 16.7 25.1

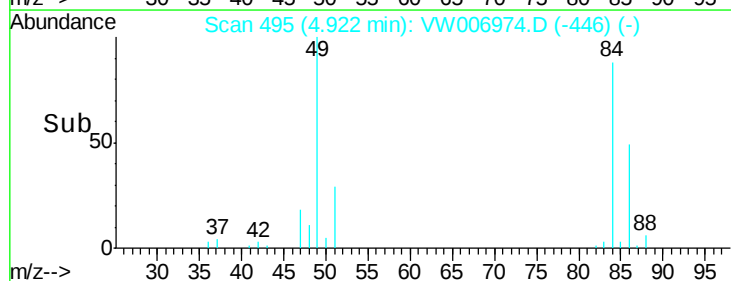
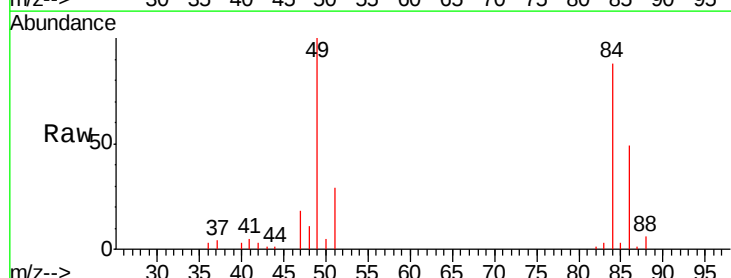
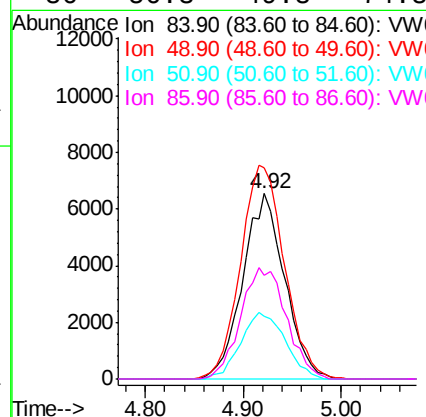
Manual Integrations
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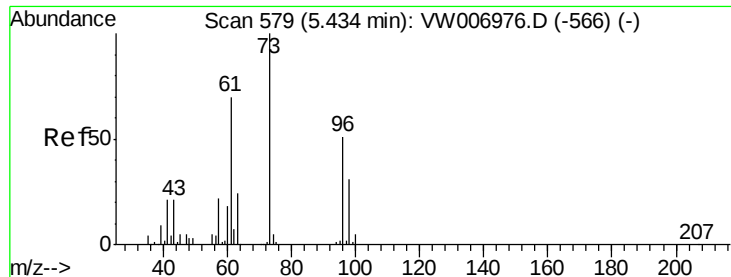
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#20
Methylene Chloride
Concen: 11.08 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW006974.D
Acq: 20 Nov 2018 14:14

Tgt Ion: 84 Resp: 19454
Ion Ratio Lower Upper
84 100
49 113.8 93.4 140.0
51 33.5 28.4 42.6
86 56.3 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 9.78 ug/l

RT: 5.43 min Scan# 579

Delta R.T. 0.00 min

Lab File: VW006974.D

Acq: 20 Nov 2018 14:14

Instrument :

MSVOA_W

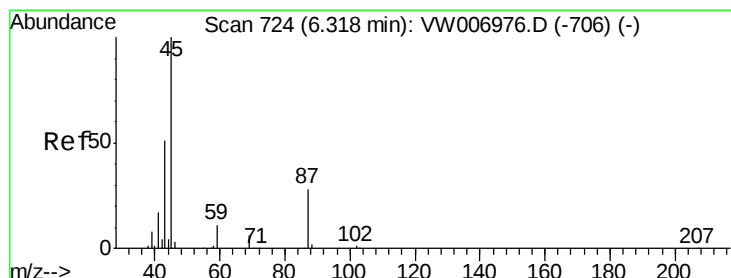
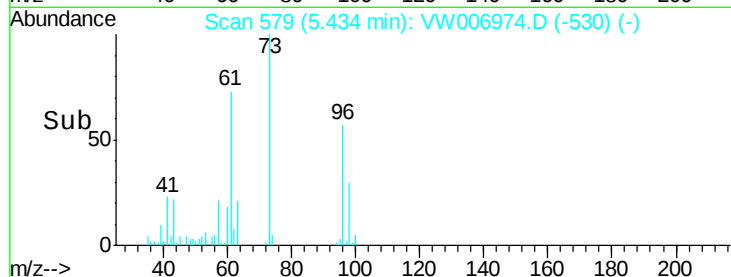
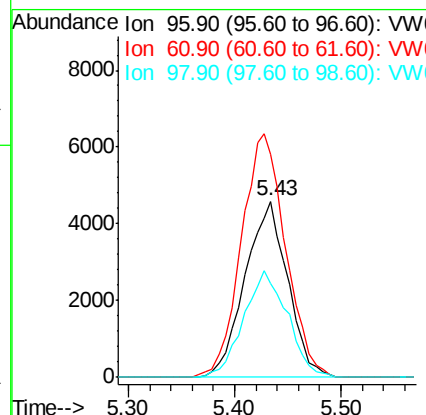
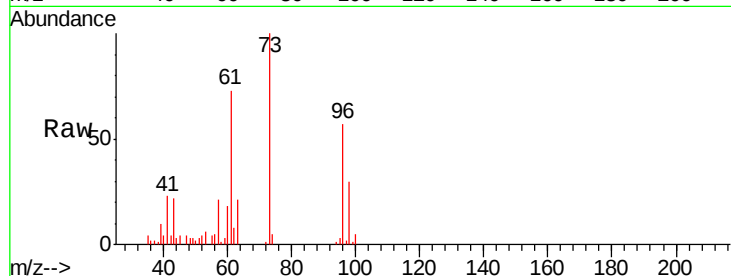
ClientSampleId :

VSTDIC010

Tgt Ion:	96	Resp:	12889
Ion	Ratio	Lower	Upper
96	100		
61	127.1	109.4	164.0
98	53.1	48.3	72.5

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#22

Diisopropyl ether

Concen: 9.50 ug/l

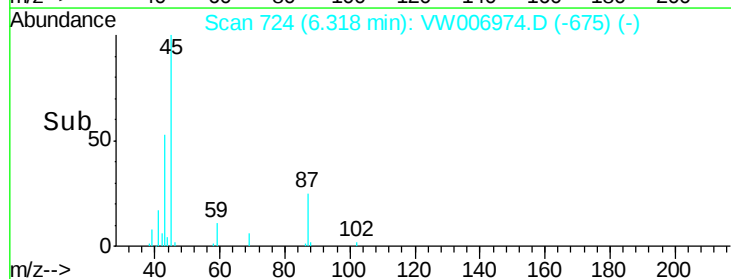
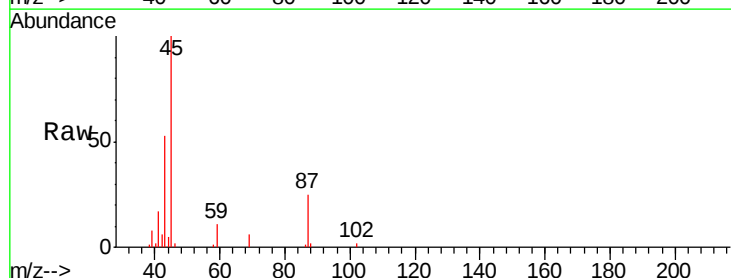
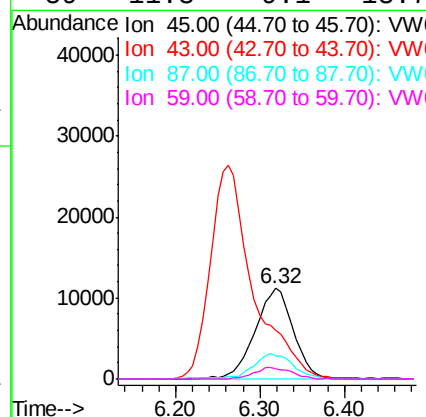
RT: 6.32 min Scan# 724

Delta R.T. 0.00 min

Lab File: VW006974.D

Acq: 20 Nov 2018 14:14

Tgt Ion:	45	Resp:	34674
Ion	Ratio	Lower	Upper
45	100		
43	52.0	42.5	63.7
87	25.4	22.8	34.2
59	11.3	9.1	13.7





#23

Vinyl Acetate

Concen: 47.55 ug/l

RT: 6.26 min Scan# 715

Delta R.T. 0.00 min

Lab File: VW006974.D

Acq: 20 Nov 2018 14:14

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tgt Ion: 43 Resp: 92214

Ion Ratio Lower Upper

43 100

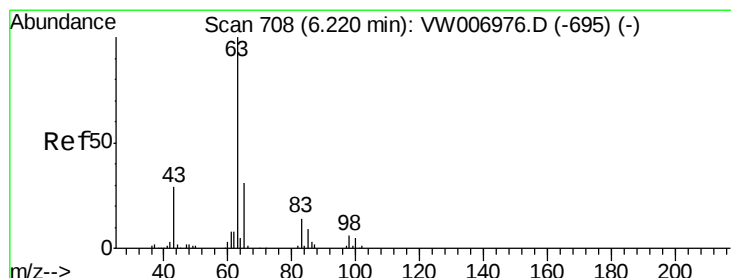
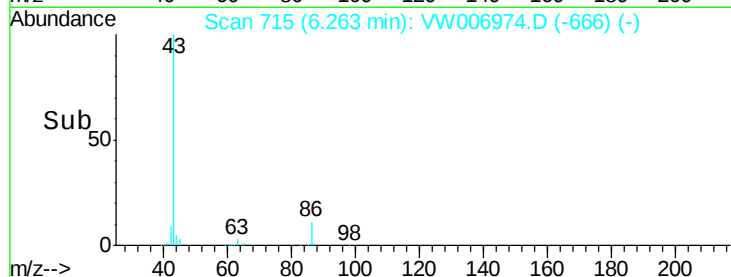
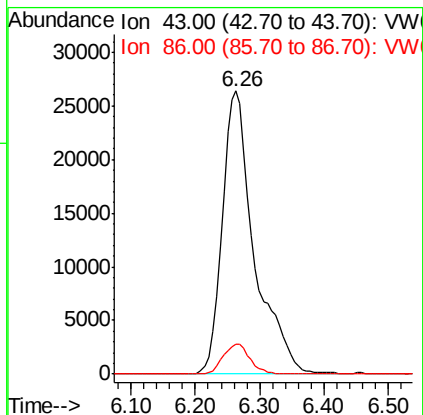
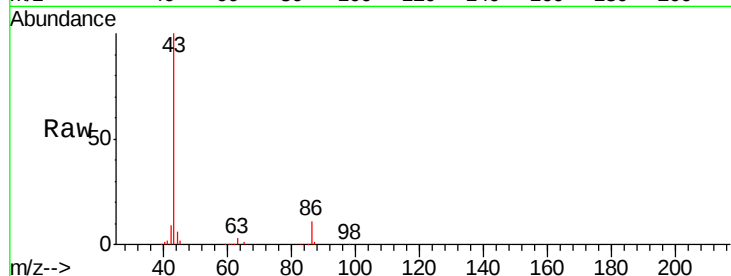
86 10.5 8.7 13.1

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 9.46 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.00 min

Lab File: VW006974.D

Acq: 20 Nov 2018 14:14

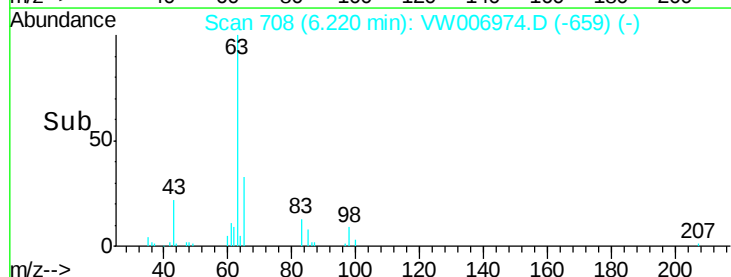
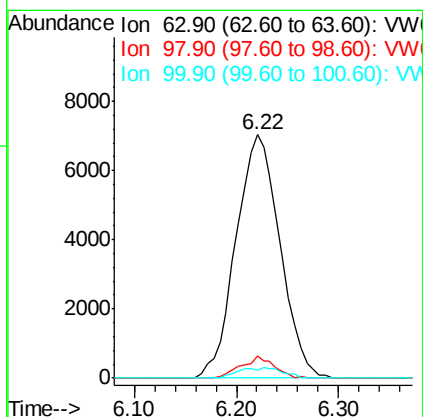
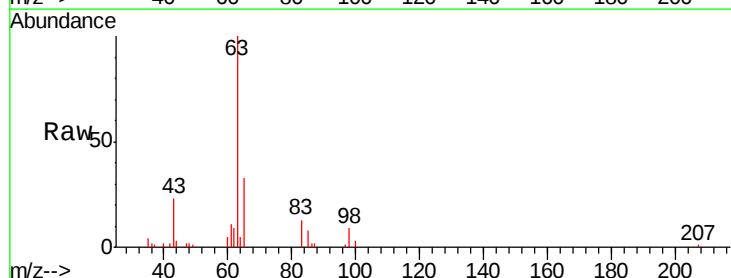
Tgt Ion: 63 Resp: 21010

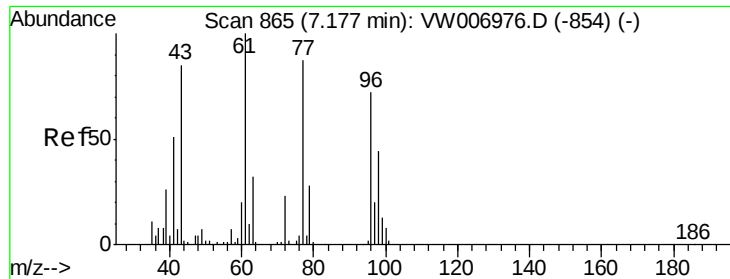
Ion Ratio Lower Upper

63 100

98 9.1 3.1 9.4

100 3.4 2.3 6.9





#25

2-Butanone

Concen: 47.86 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.00 min

Lab File: VW006974.D

Acq: 20 Nov 2018 14:14

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tgt Ion: 43 Resp: 14560

Ion Ratio Lower Upper

43 100

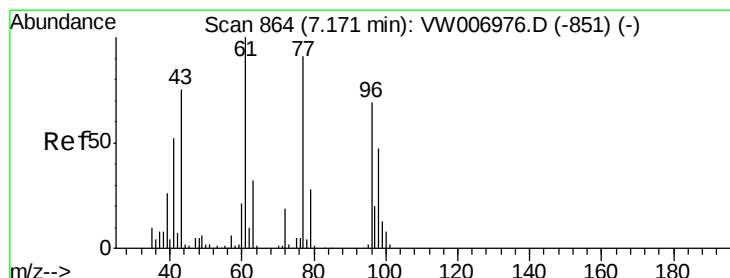
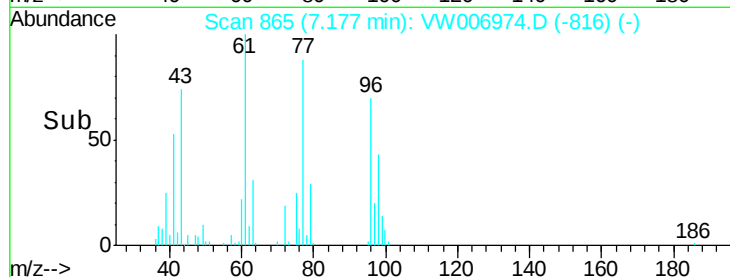
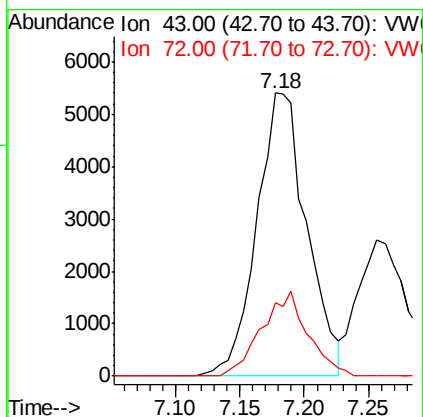
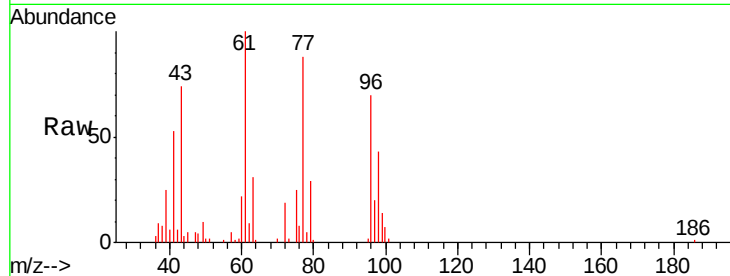
72 25.7 21.3 31.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 10.07 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW006974.D

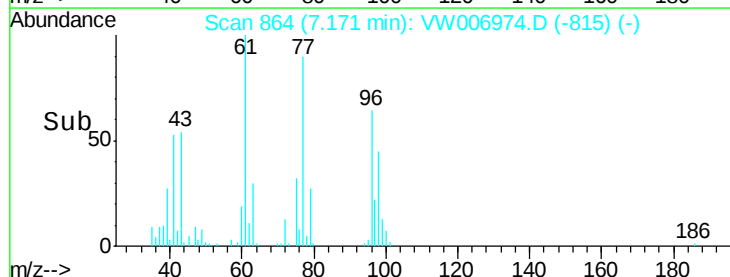
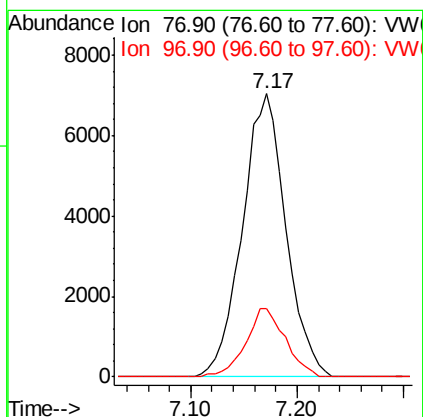
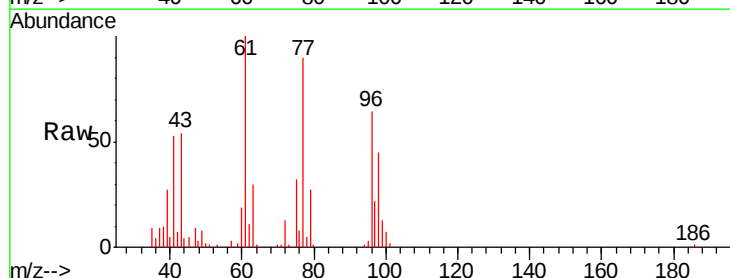
Acq: 20 Nov 2018 14:14

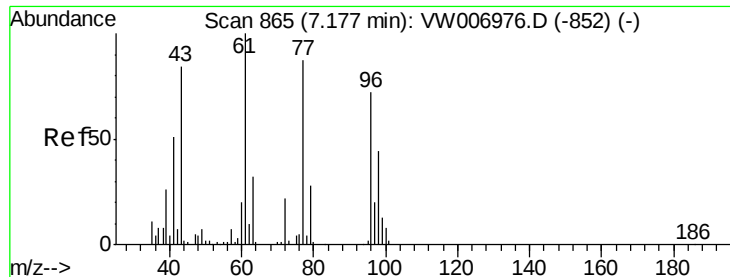
Tgt Ion: 77 Resp: 20124

Ion Ratio Lower Upper

77 100

97 22.0 11.4 34.1





#27

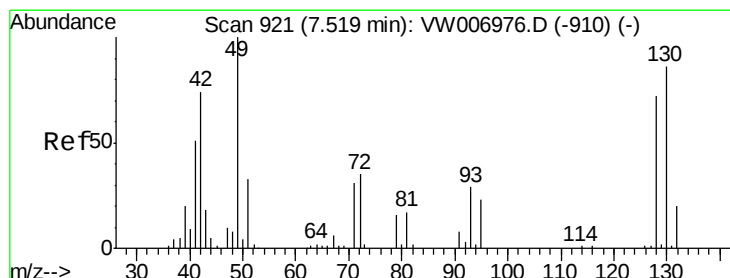
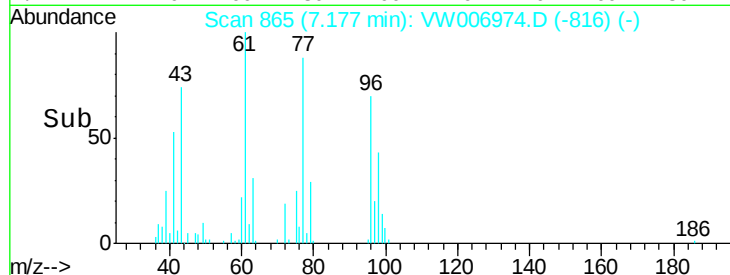
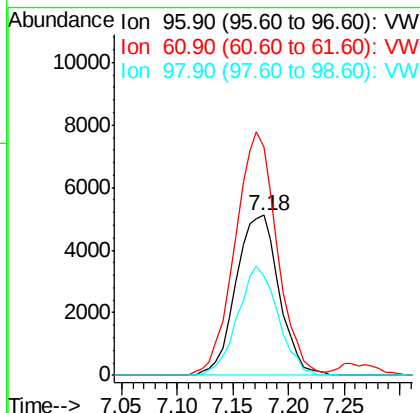
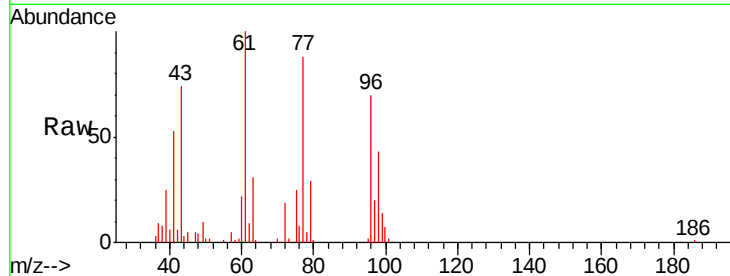
cis-1,2-Dichloroethene
Concen: 9.80 ug/l
RT: 7.18 min Scan# 865
Delta R.T. 0.00 min
Lab File: VW006974.D
Acq: 20 Nov 2018 14:14

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tgt Ion	Ratio	Lower	Upper
96	100		
61	147.9	0.0	292.6
98	64.0	0.0	129.8

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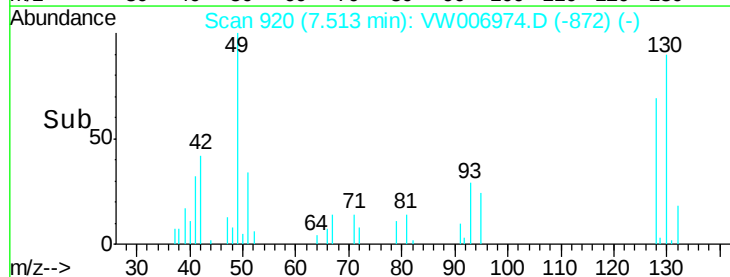
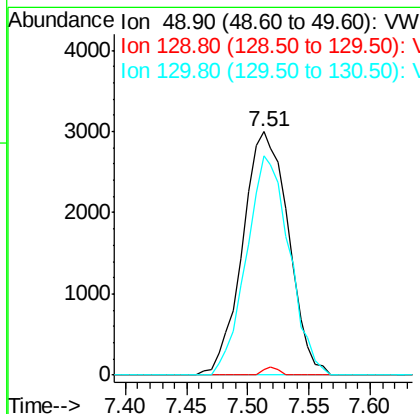
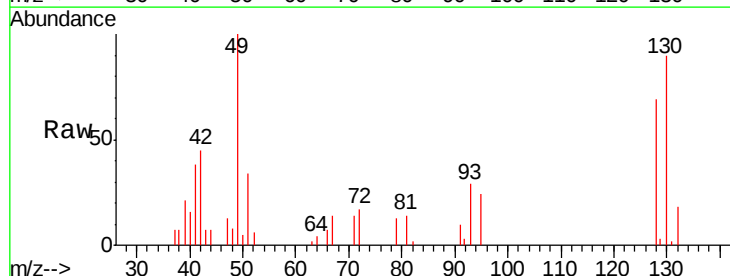
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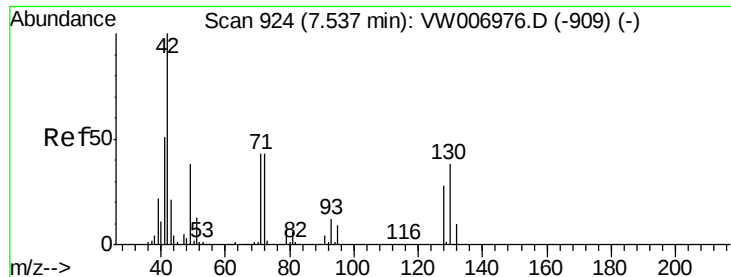


#28

Bromochloromethane
Concen: 9.40 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.01 min
Lab File: VW006974.D
Acq: 20 Nov 2018 14:14

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	2.0
130	84.4	69.0	103.4





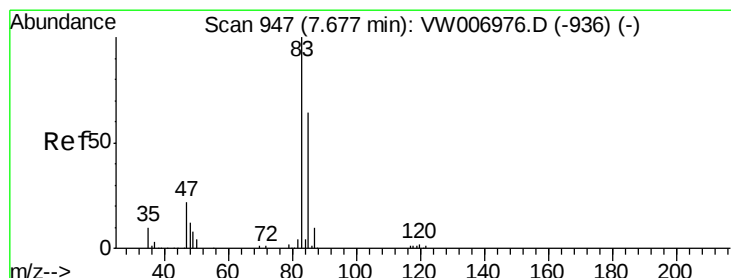
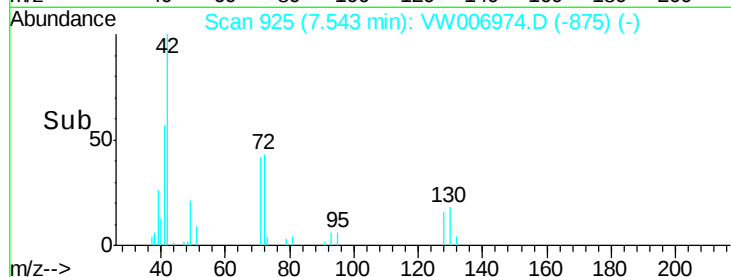
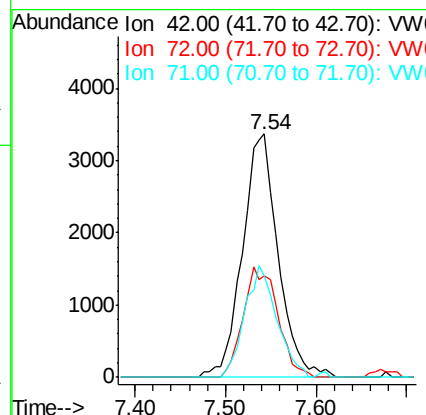
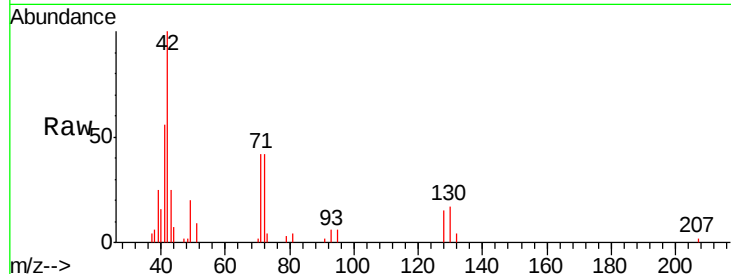
#29
Tetrahydrofuran
Concen: 46.62 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.01 min
Lab File: VW006974.D
Acq: 20 Nov 2018 14:14

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tgt Ion: 42 Resp: 9187
Ion Ratio Lower Upper
42 100
72 43.7 36.2 54.4
71 41.3 33.8 50.8

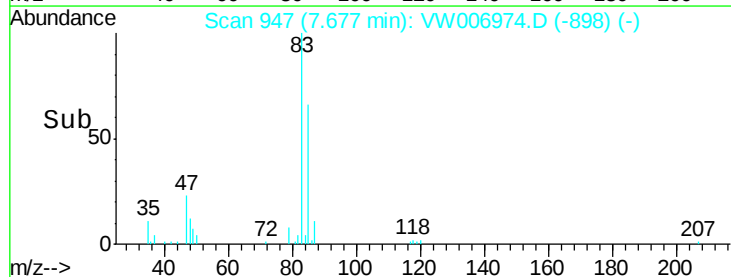
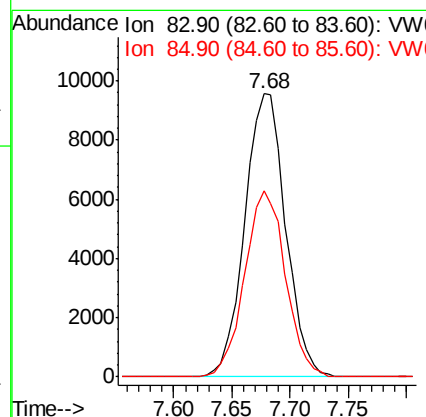
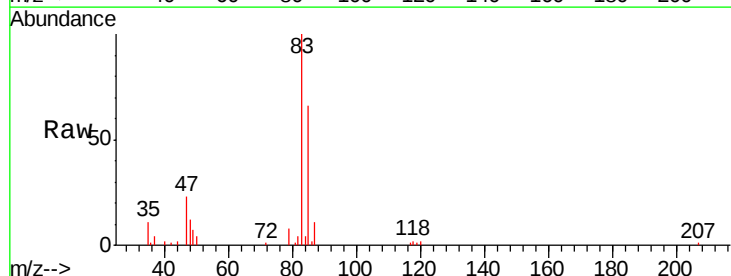
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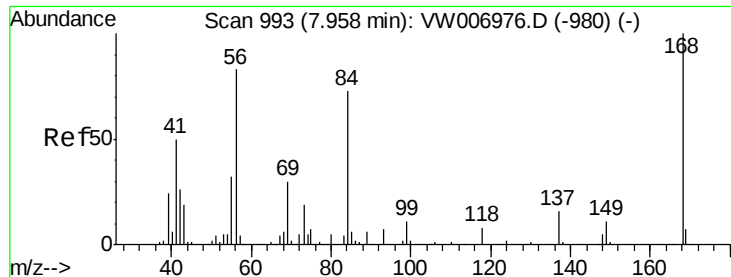
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#30
Chloroform
Concen: 9.86 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW006974.D
Acq: 20 Nov 2018 14:14

Tgt Ion: 83 Resp: 23275
Ion Ratio Lower Upper
83 100
85 65.8 50.9 76.3





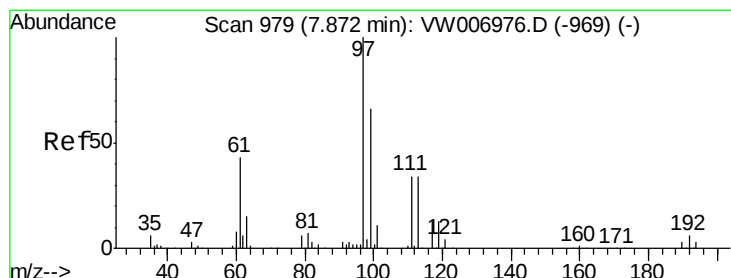
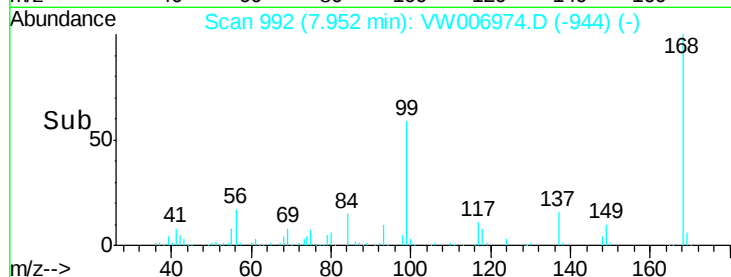
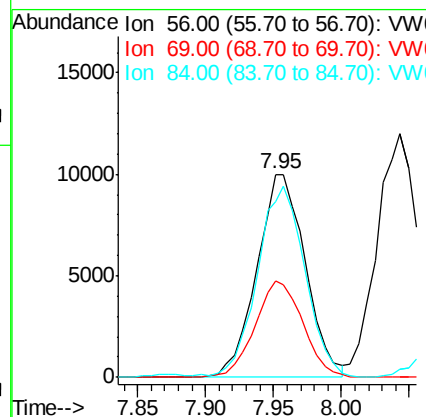
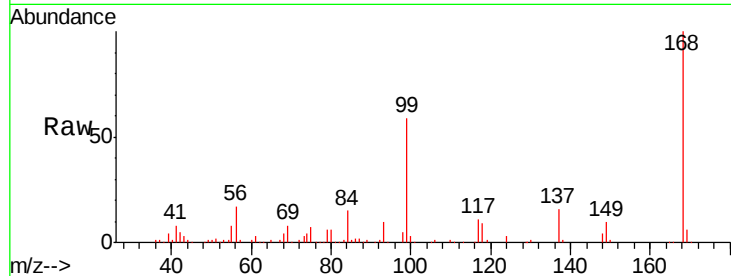
#31
Cyclohexane
Concen: 10.57 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW006974.D
Acq: 20 Nov 2018 14:14

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tgt Ion	Ratio	Lower	Upper
56	100		
69	47.9	29.1	43.7#
84	85.4	70.6	105.8

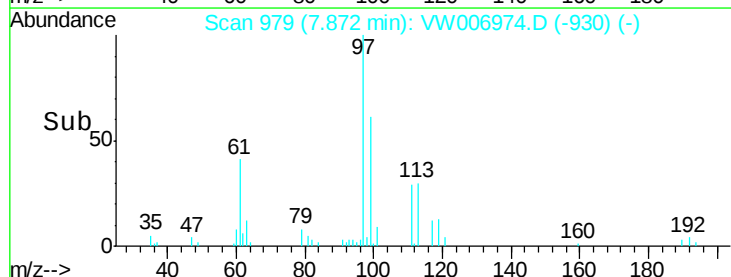
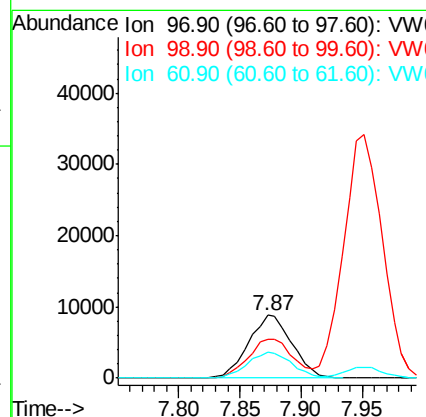
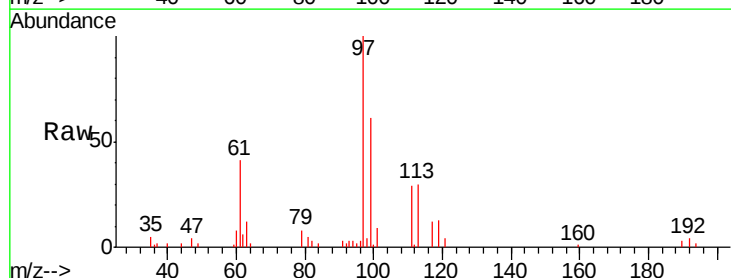
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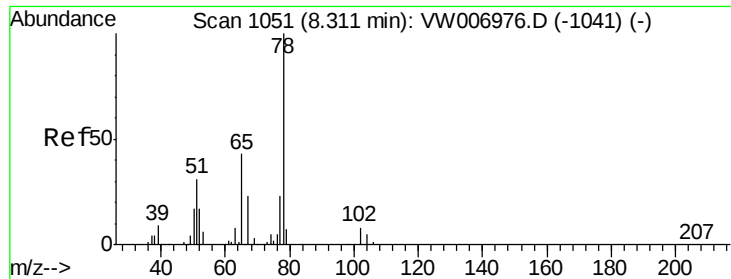
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#32
1,1,1-Trichloroethane
Concen: 10.17 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW006974.D
Acq: 20 Nov 2018 14:14

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.9	77.9
61	42.4	33.4	50.2





#33

1,2-Dichloroethane-d4

Concen: 9.21 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VW006974.D

Acq: 20 Nov 2018 14:14

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tgt Ion: 65 Resp: 11265

Ion Ratio Lower Upper

65 100

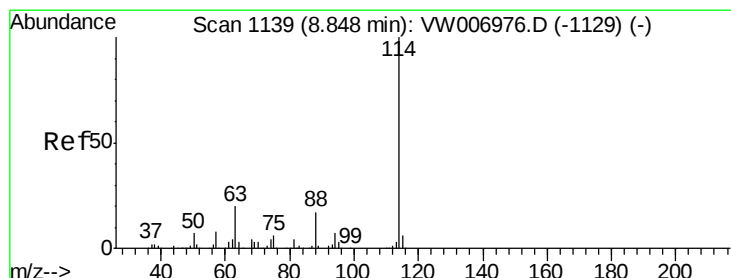
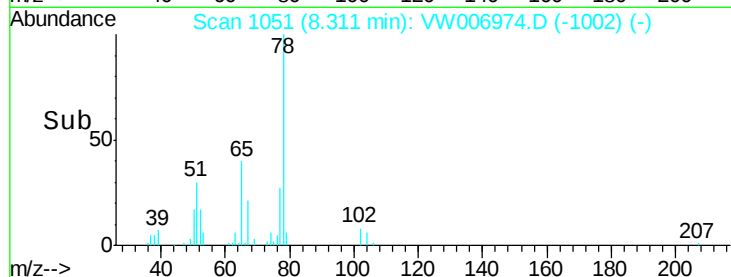
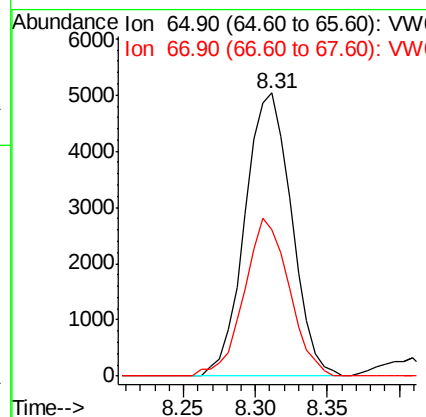
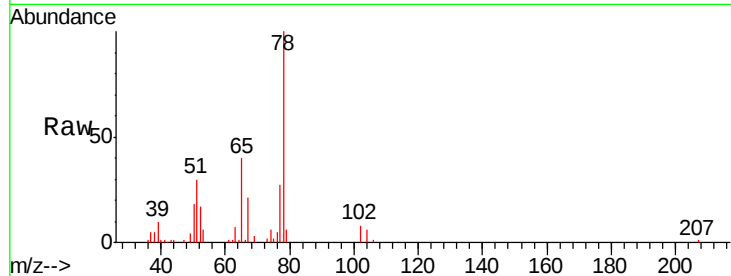
67 53.9 0.0 106.2

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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: VW006974.D

Acq: 20 Nov 2018 14:14

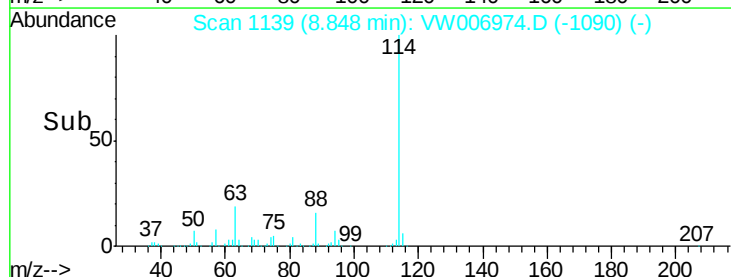
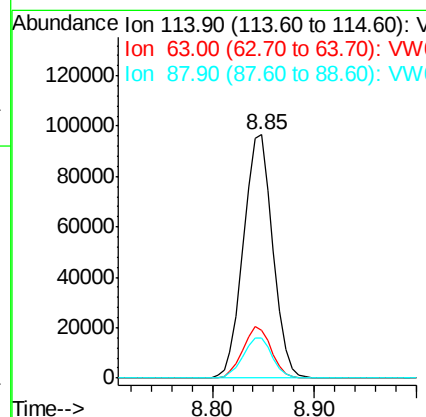
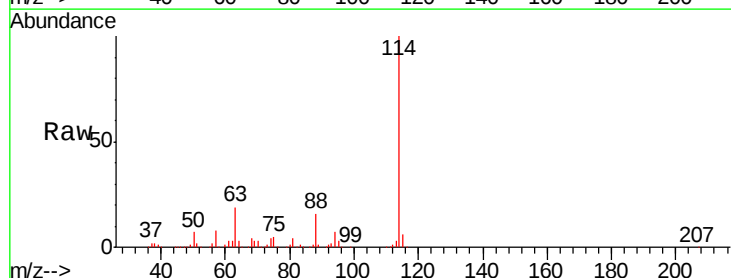
Tgt Ion: 114 Resp: 192760

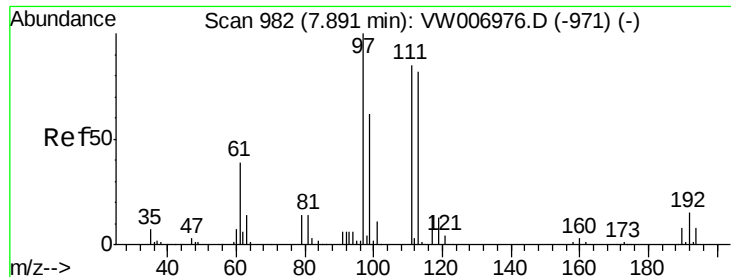
Ion Ratio Lower Upper

114 100

63 19.4 0.0 39.4

88 16.4 0.0 34.2





#35

Dibromofluoromethane

Concen: 9.08 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.01 min

Lab File: VW006974.D

Acq: 20 Nov 2018 14:14

Instrument :

MSVOA_W

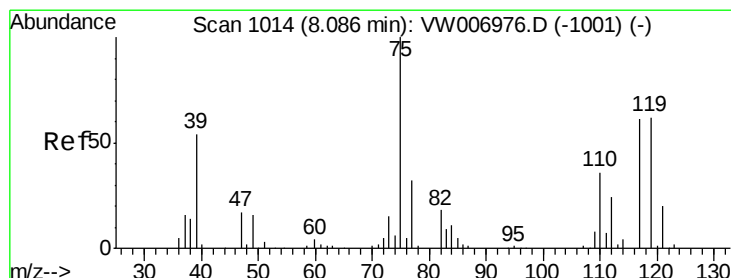
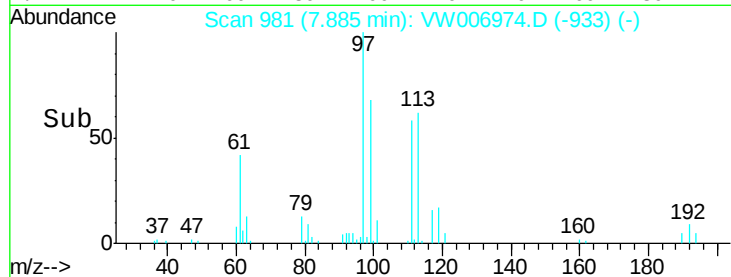
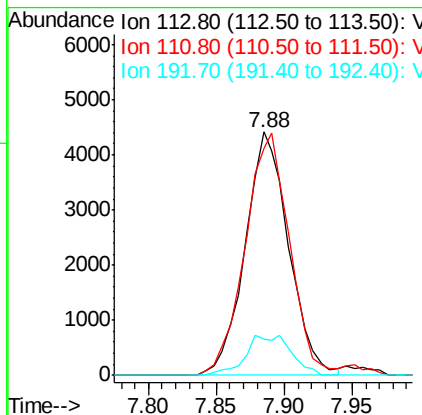
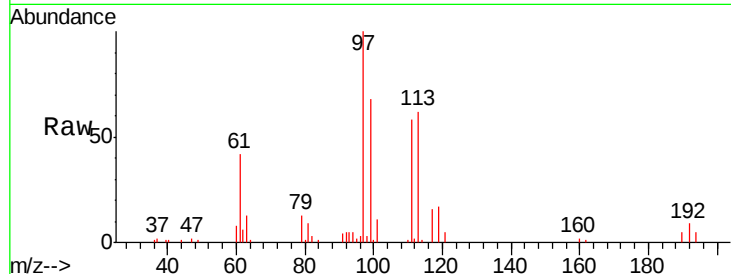
ClientSampleId :

VSTDIC010

Tgt Ion:	113	Resp:	9886
Ion	Ratio	Lower	Upper
113	100		
111	101.0	81.0	121.6
192	17.2	15.0	22.6

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#36

1,1-Dichloropropene

Concen: 10.01 ug/l

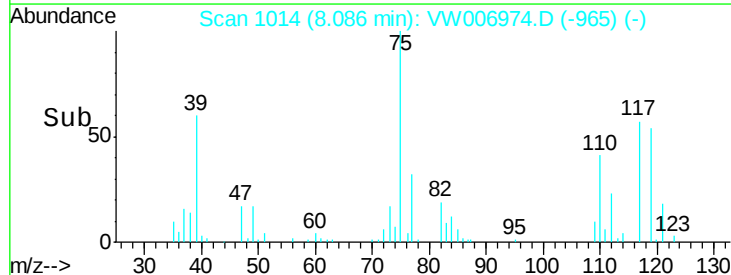
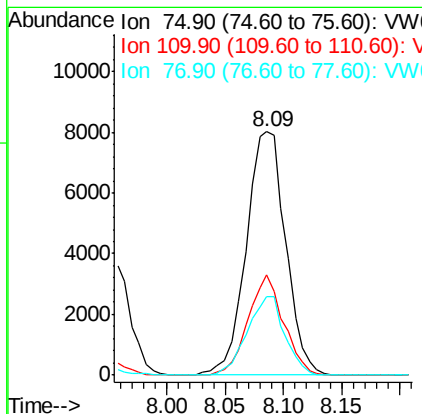
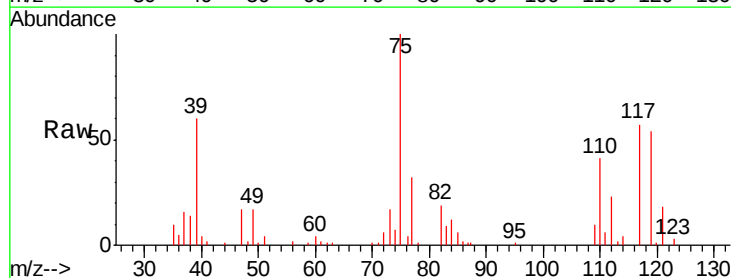
RT: 8.09 min Scan# 1014

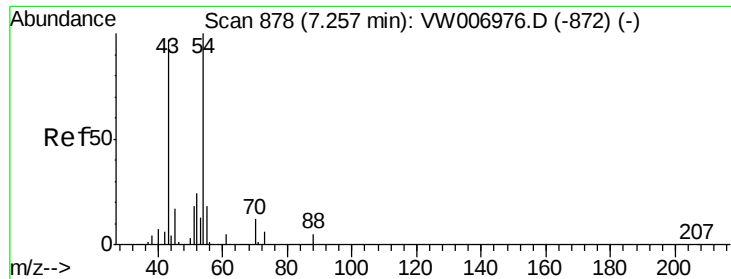
Delta R.T. 0.00 min

Lab File: VW006974.D

Acq: 20 Nov 2018 14:14

Tgt Ion:	75	Resp:	18850
Ion	Ratio	Lower	Upper
75	100		
110	37.0	18.0	54.0
77	30.6	24.9	37.3





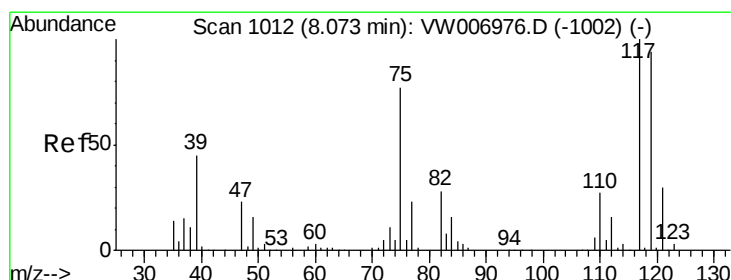
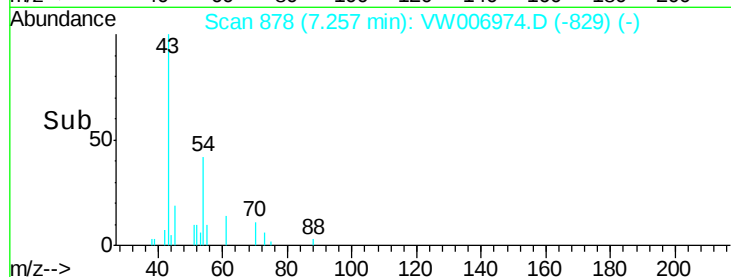
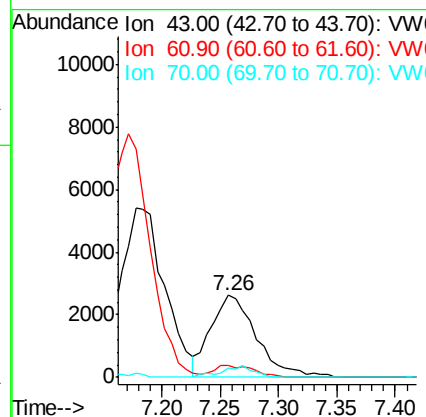
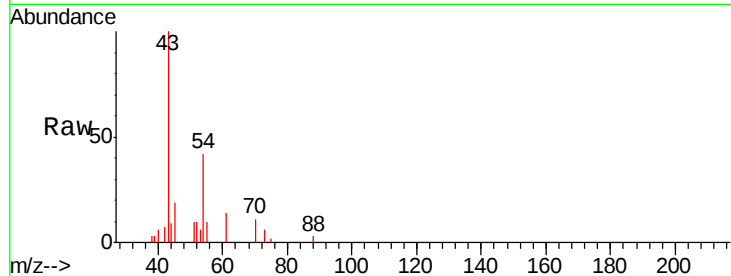
#37
Ethyl Acetate
Concen: 10.44 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.00 min
Lab File: VW006974.D
Acq: 20 Nov 2018 14:14

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tgt Ion	Ratio	Lower	Upper
43	100		
61	12.8	10.4	15.6
70	9.7	8.8	13.2

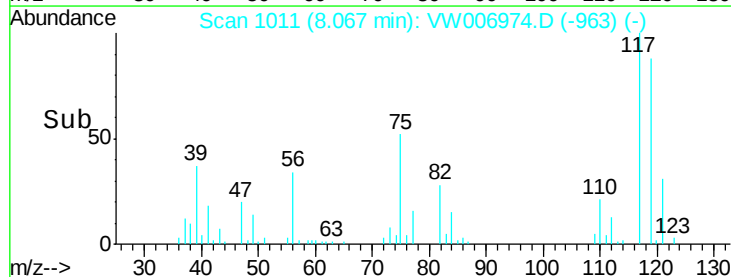
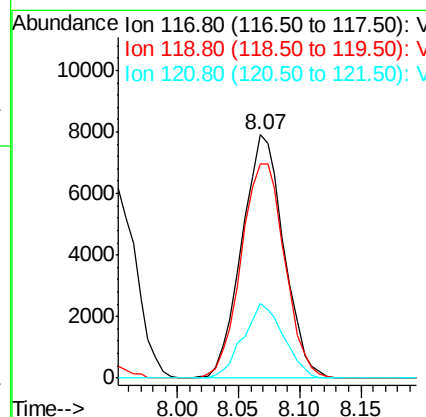
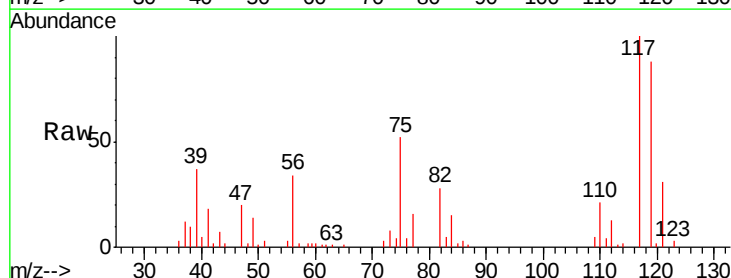
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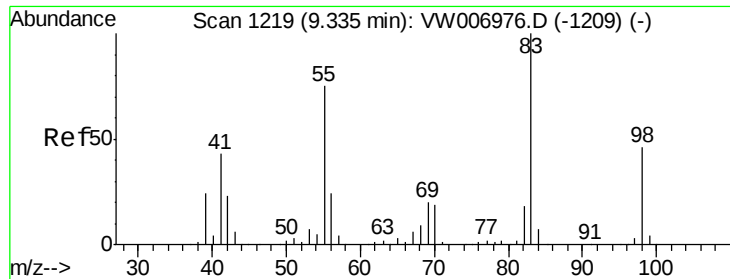
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#38
Carbon Tetrachloride
Concen: 10.46 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VW006974.D
Acq: 20 Nov 2018 14:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	88.2	74.9	112.3
121	30.6	23.6	35.4





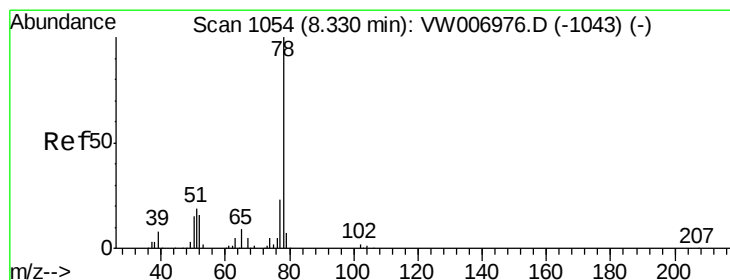
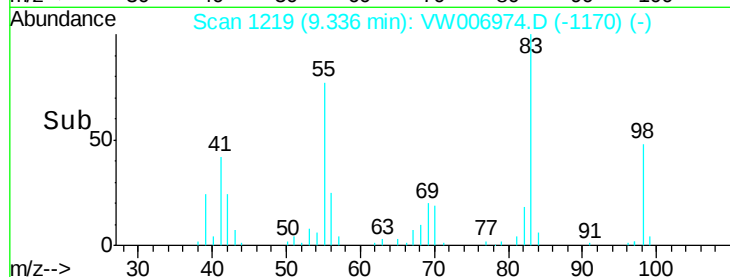
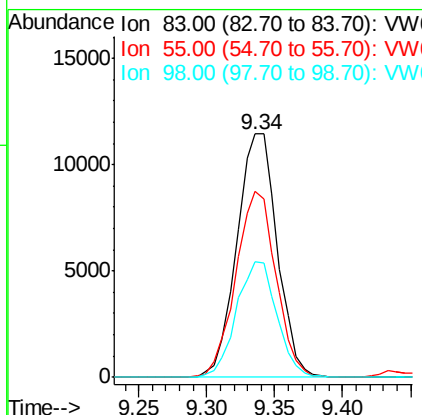
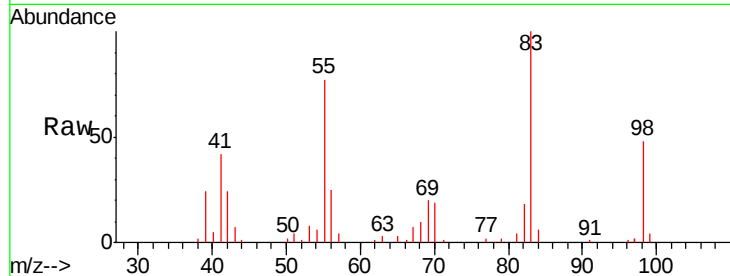
#39
Methylcyclohexane
Concen: 10.10 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW006974.D
Acq: 20 Nov 2018 14:14

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tgt Ion	Ratio	Lower	Upper
83	100		
55	76.6	59.6	89.4
98	47.5	37.1	55.7

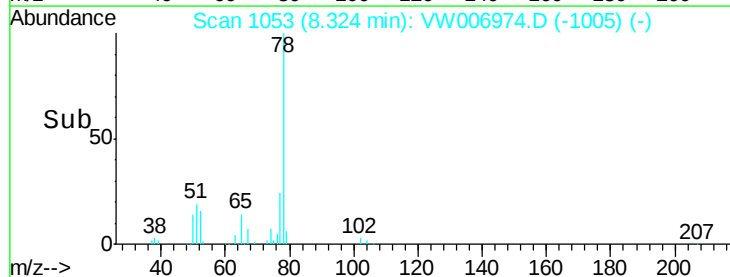
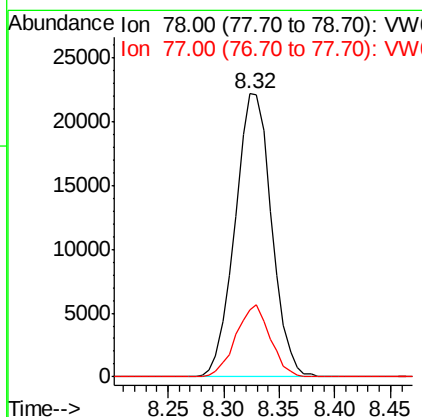
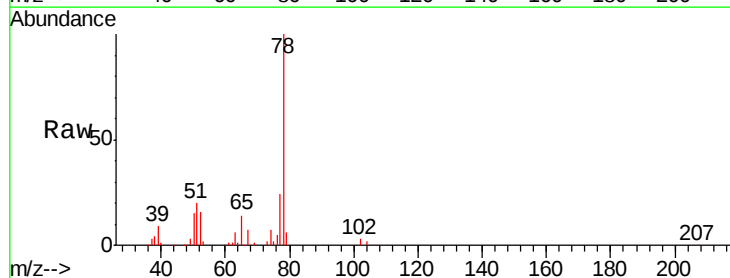
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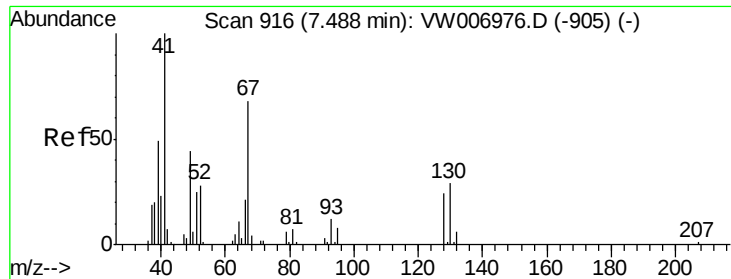
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#40
Benzene
Concen: 9.91 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VW006974.D
Acq: 20 Nov 2018 14:14

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.6	28.0





#41

Methacrylonitrile

Concen: 9.69 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.01 min

Lab File: VW006974.D

Acq: 20 Nov 2018 14:14

Instrument :

MSVOA_W

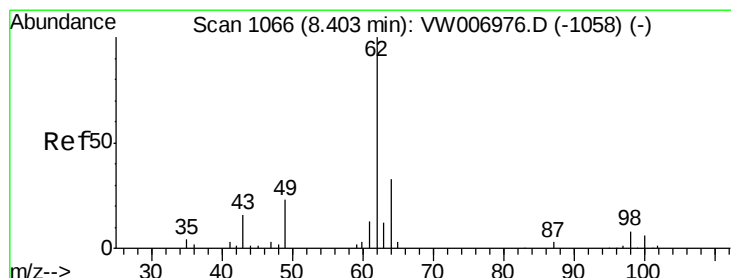
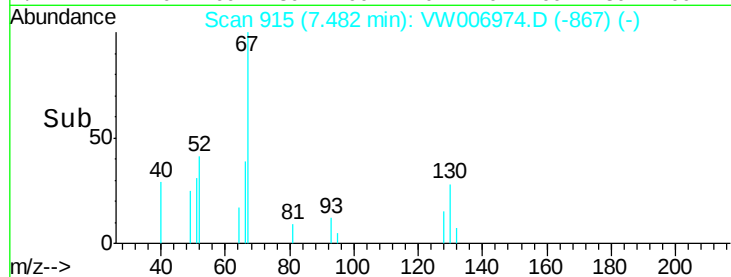
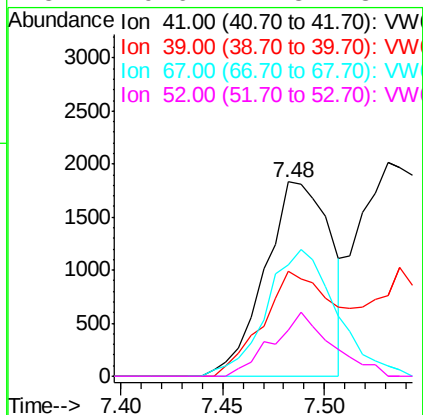
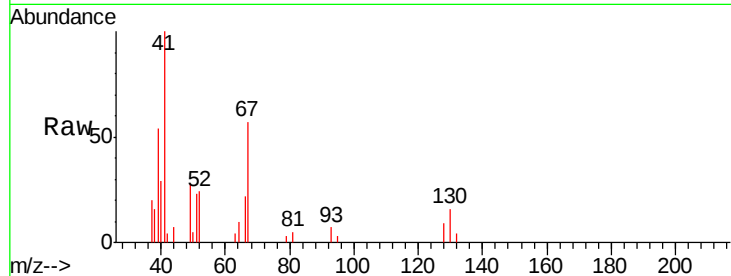
ClientSampleId :

VSTDIC010

Tgt Ion:	41	Resp:	4106
Ion	Ratio	Lower	Upper
41	100		
39	60.1	48.6	73.0
67	69.7	59.8	89.8
52	29.6	24.8	37.2

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 10.15 ug/l

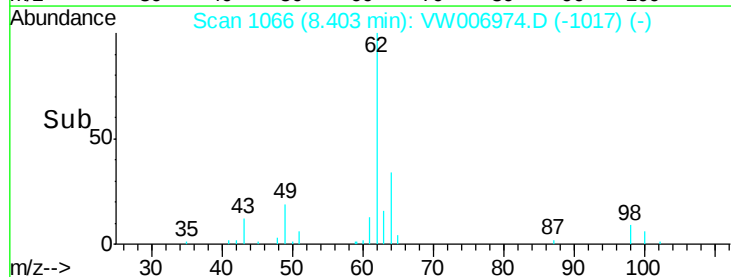
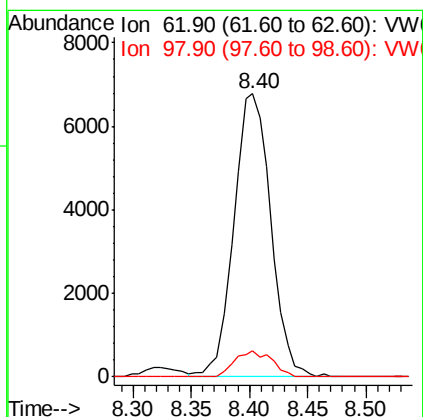
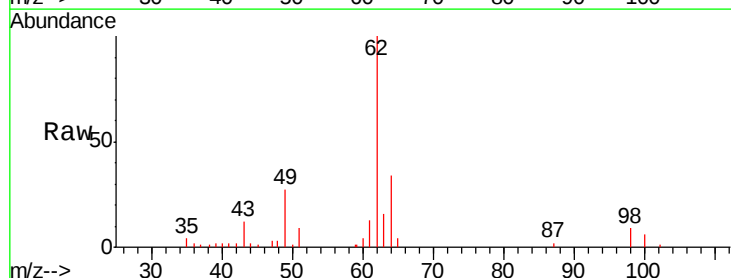
RT: 8.40 min Scan# 1066

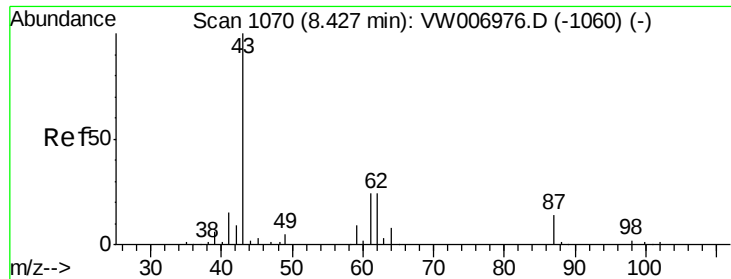
Delta R.T. 0.00 min

Lab File: VW006974.D

Acq: 20 Nov 2018 14:14

Tgt Ion:	62	Resp:	14982
Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	18.6





#43

Isopropyl Acetate

Concen: 9.29 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW006974.D

Acq: 20 Nov 2018 14:14

Instrument :

MSVOA_W

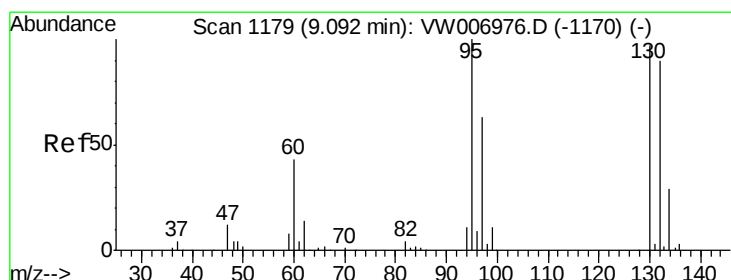
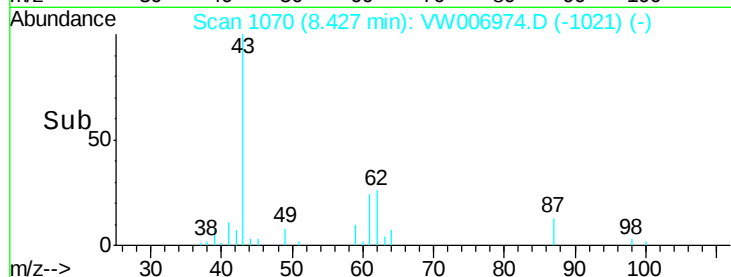
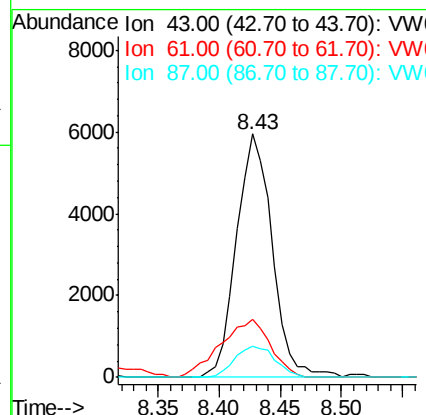
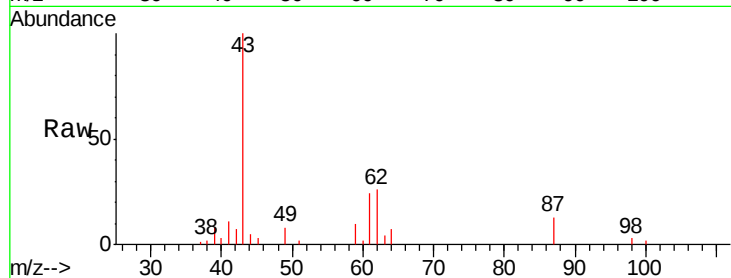
ClientSampleId :

VSTDIC010

Tgt Ion:	43	Resp:	12082
Ion	Ratio	Lower	Upper
43	100		
61	32.9	26.1	39.1
87	14.2	11.2	16.8

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#44

Trichloroethene

Concen: 10.03 ug/l

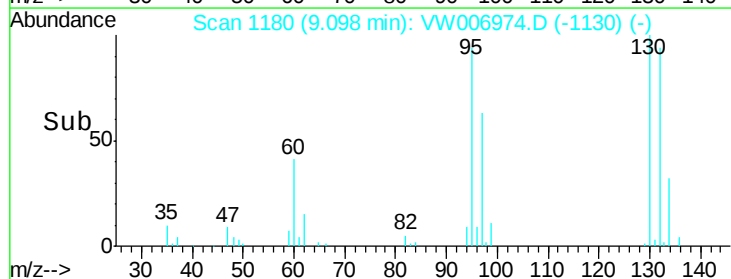
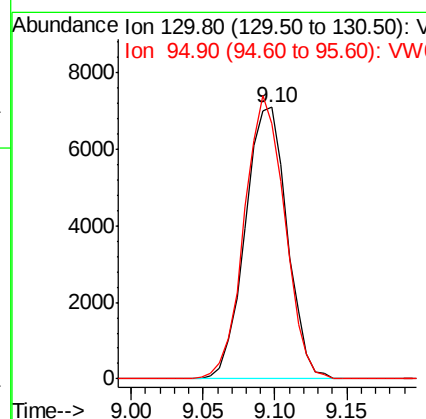
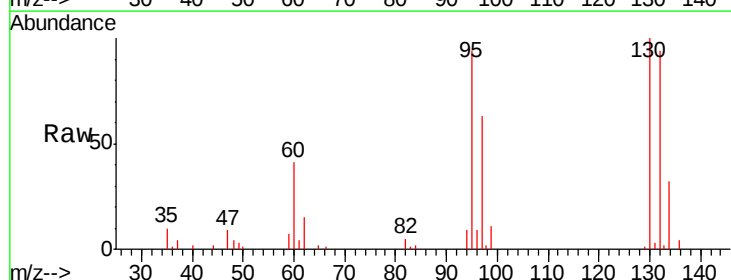
RT: 9.10 min Scan# 1180

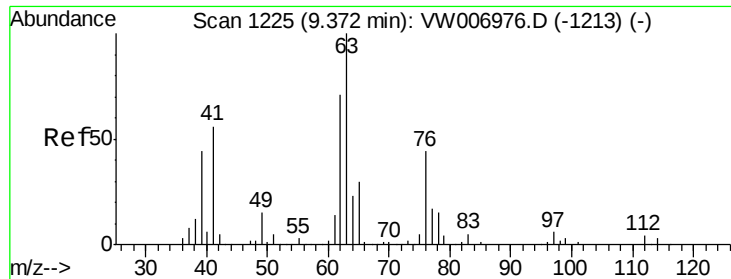
Delta R.T. 0.01 min

Lab File: VW006974.D

Acq: 20 Nov 2018 14:14

Tgt Ion:	130	Resp:	14292
Ion	Ratio	Lower	Upper
130	100		
95	94.2	0.0	206.4





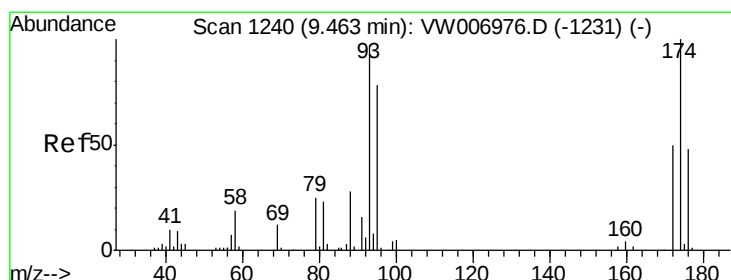
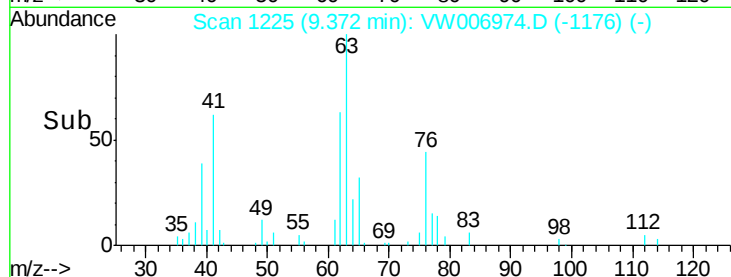
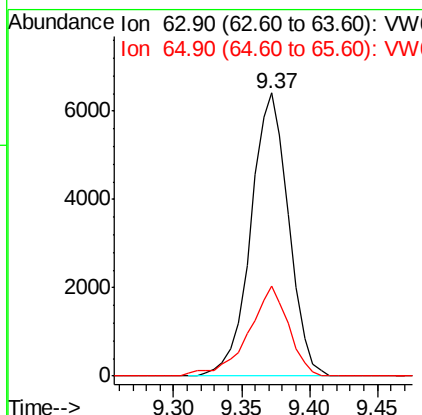
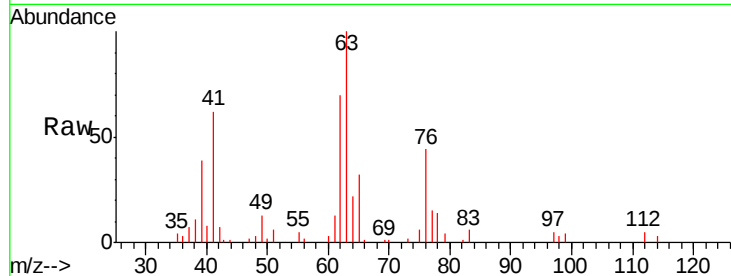
#45
 1,2-Dichloropropane
 Concen: 9.95 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW006974.D
 Acq: 20 Nov 2018 14:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tgt Ion: 63 Resp: 12477
 Ion Ratio Lower Upper
 63 100
 65 31.8 24.4 36.6

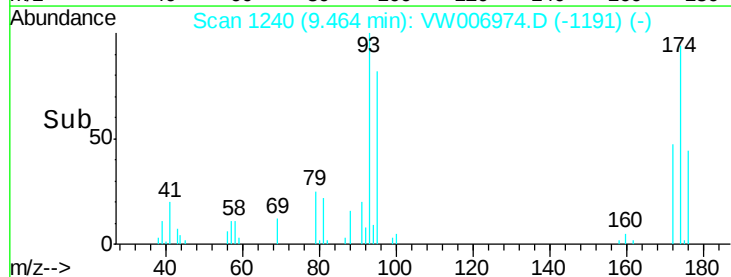
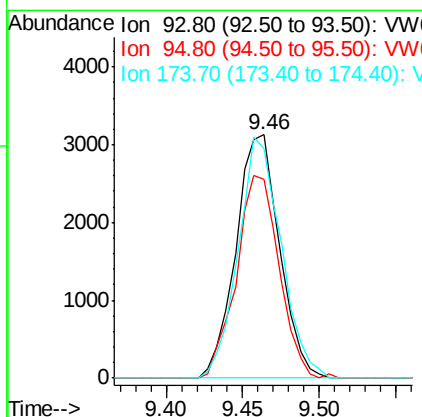
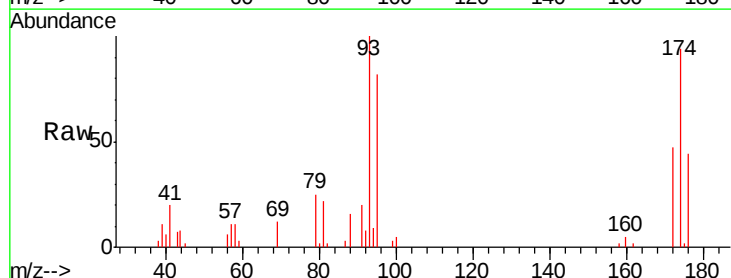
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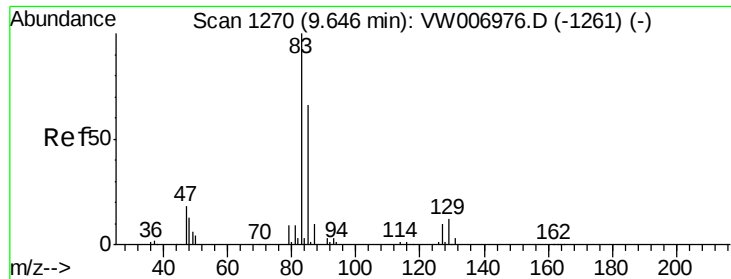
MMDadoda
 11/21/2018 11:32:32 AM



#46
 Dibromomethane
 Concen: 9.88 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VW006974.D
 Acq: 20 Nov 2018 14:14

Tgt Ion: 93 Resp: 6203
 Ion Ratio Lower Upper
 93 100
 95 81.4 66.1 99.1
 174 96.9 79.7 119.5





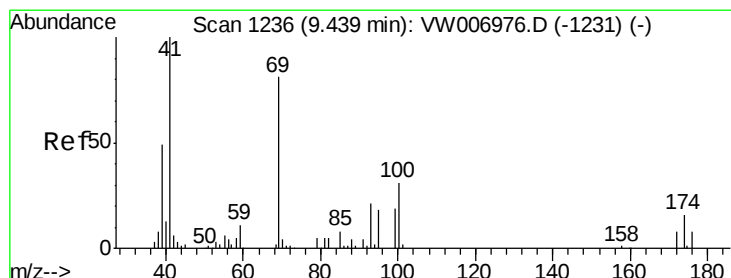
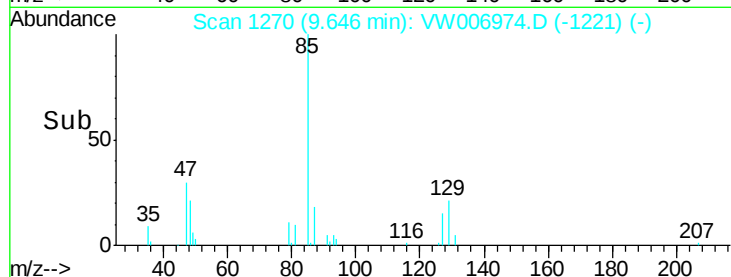
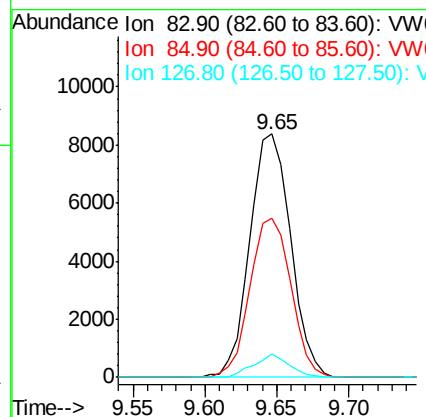
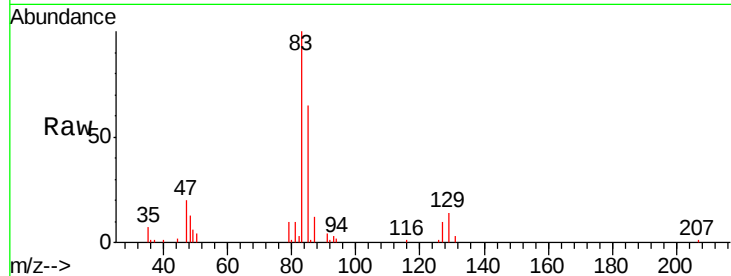
#47
Bromodichloromethane
Concen: 9.94 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VW006974.D
Acq: 20 Nov 2018 14:14

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	52.9	79.3
127	9.5	7.8	11.6

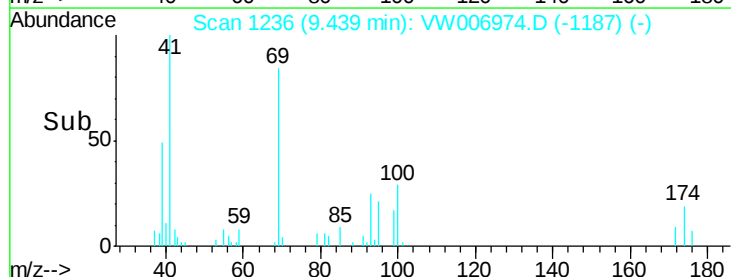
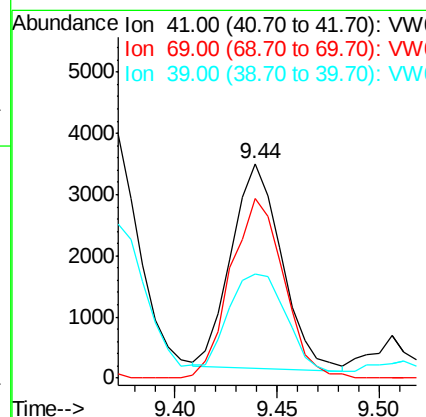
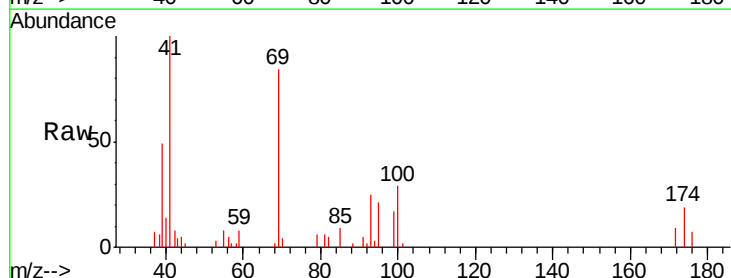
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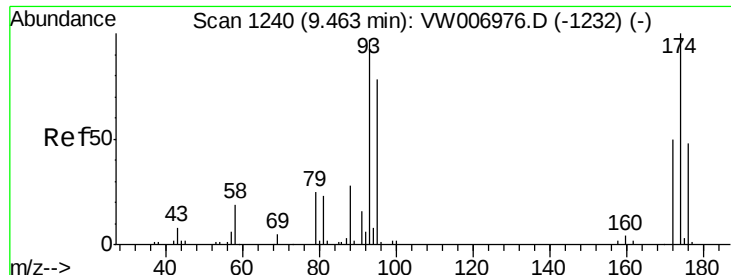
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#48
Methyl methacrylate
Concen: 9.13 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VW006974.D
Acq: 20 Nov 2018 14:14

Tgt Ion	Ratio	Lower	Upper
41	100		
69	92.6	71.4	107.0
39	54.9	44.8	67.2





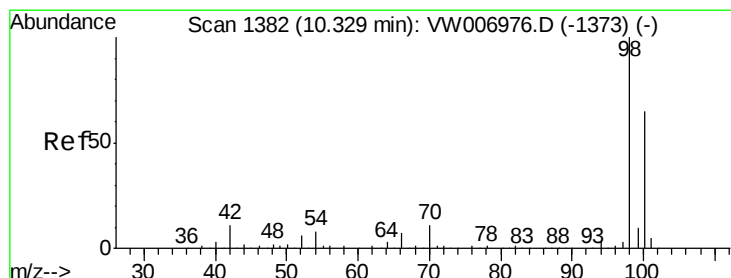
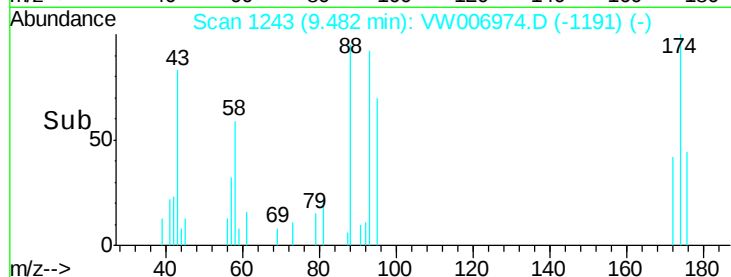
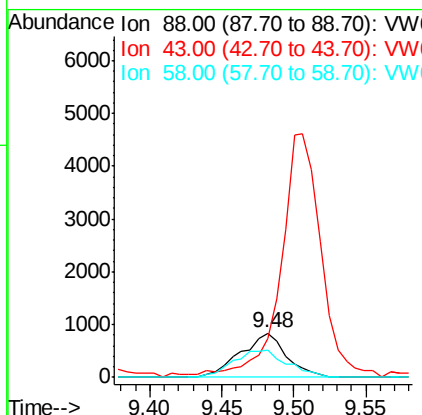
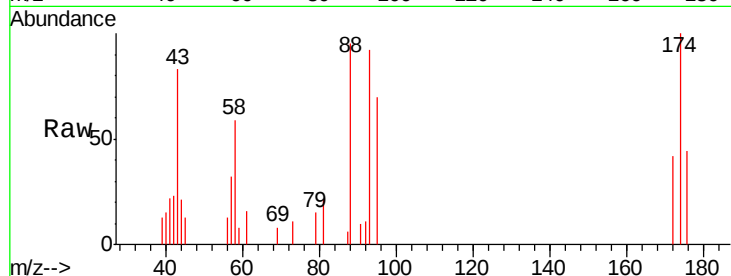
#49
1,4-Dioxane
Concen: 199.26 ug/l
RT: 9.48 min Scan# 1243
Delta R.T. 0.02 min
Lab File: VW006974.D
Acq: 20 Nov 2018 14:14

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tgt Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	71.9	59.0	88.6

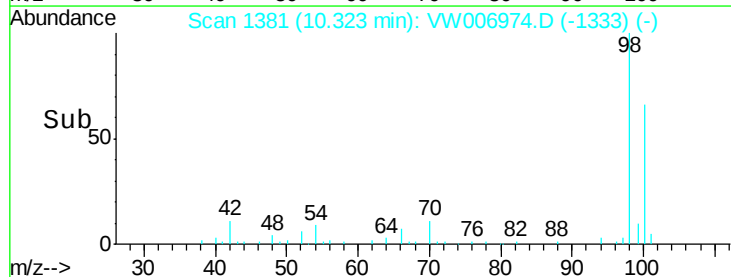
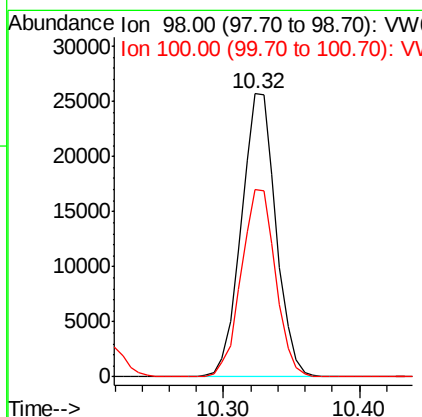
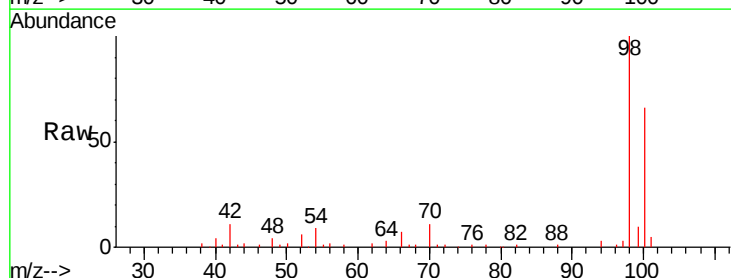
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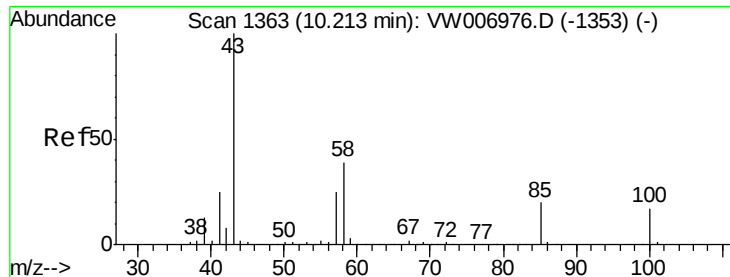
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#50
Toluene-d8
Concen: 9.49 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.01 min
Lab File: VW006974.D
Acq: 20 Nov 2018 14:14

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.9	52.2	78.2





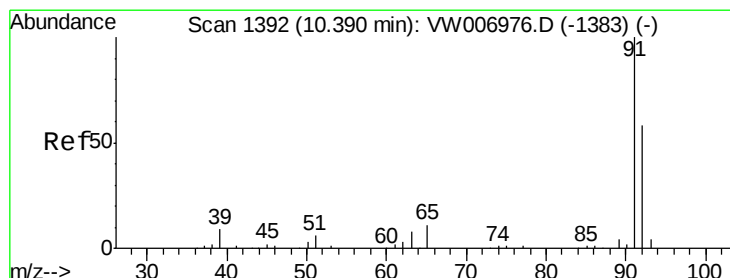
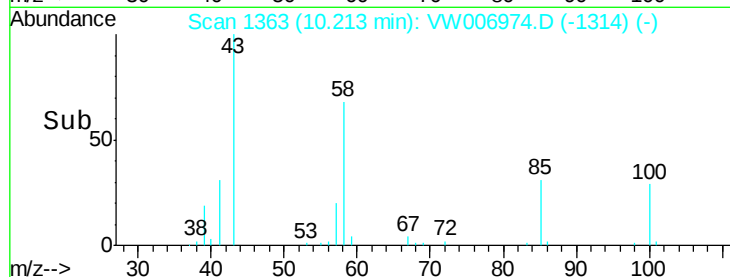
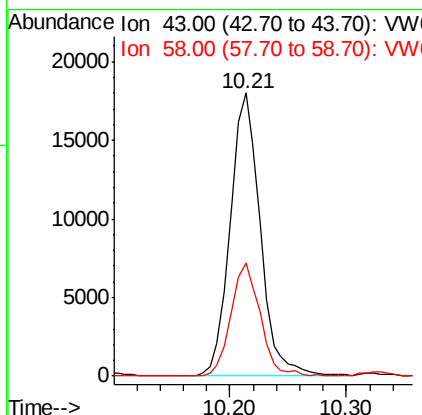
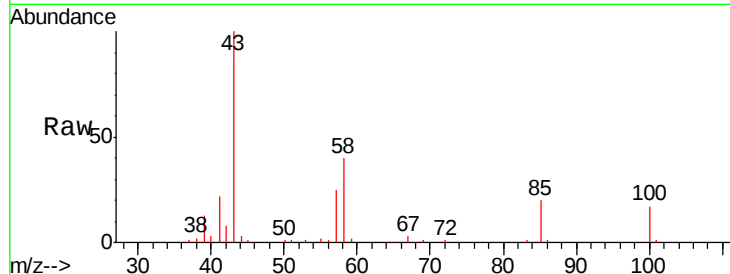
#51
4-Methyl-2-Pentanone
Concen: 49.38 ug/l
RT: 10.21 min Scan# 1363
Delta R.T. 0.00 min
Lab File: VW006974.D
Acq: 20 Nov 2018 14:14

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tgt Ion: 43 Resp: 32459
Ion Ratio Lower Upper
43 100
58 38.8 31.8 47.6

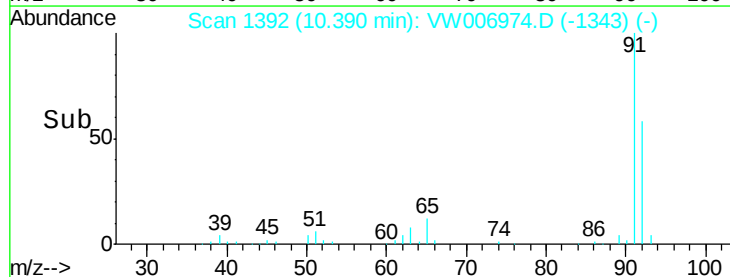
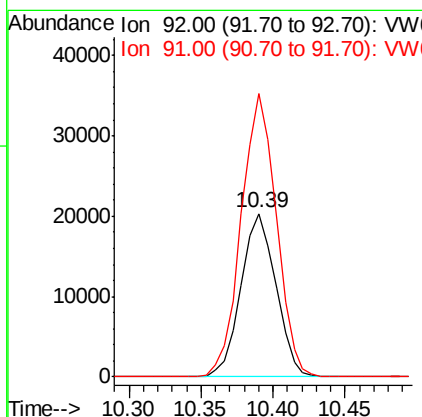
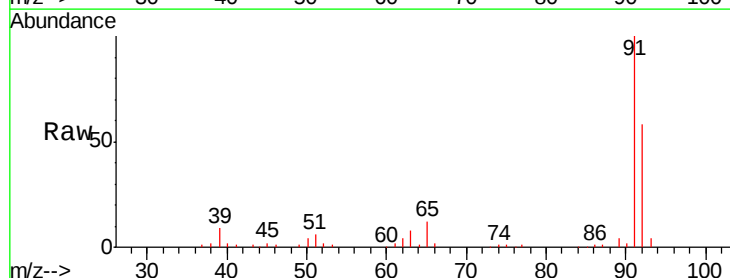
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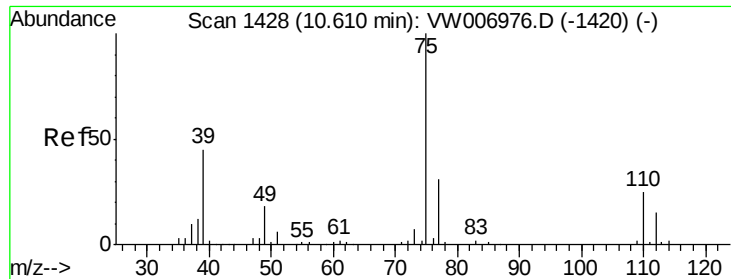
MMDadoda
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#52
Toluene
Concen: 9.88 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. 0.00 min
Lab File: VW006974.D
Acq: 20 Nov 2018 14:14

Tgt Ion: 92 Resp: 34173
Ion Ratio Lower Upper
92 100
91 174.1 137.3 205.9





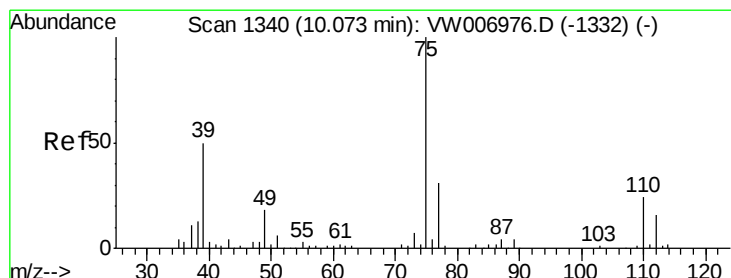
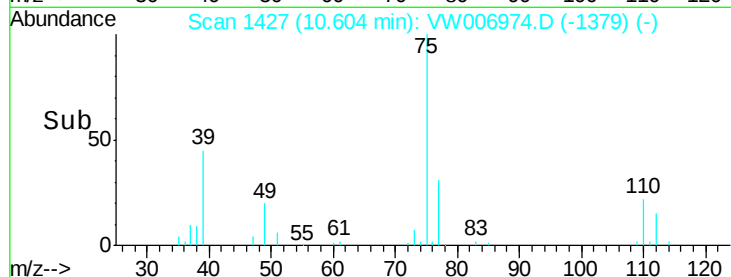
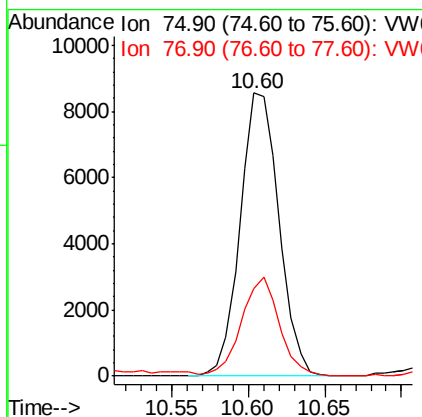
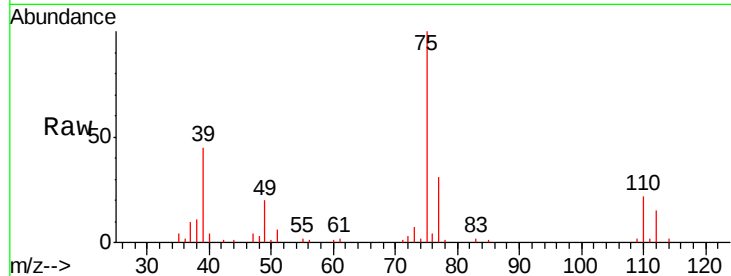
#53
 t-1,3-Dichloropropene
 Concen: 9.41 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.01 min
 Lab File: VW006974.D
 Acq: 20 Nov 2018 14:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tgt Ion: 75 Resp: 15071
 Ion Ratio Lower Upper
 75 100
 77 30.7 24.7 37.1

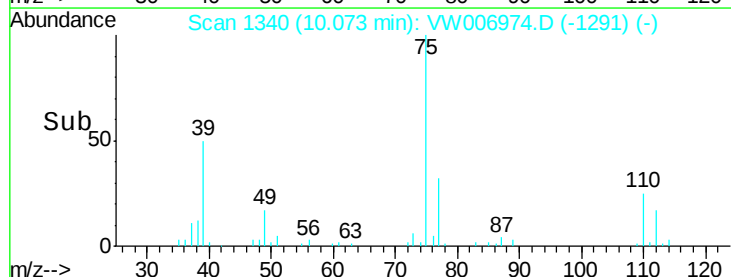
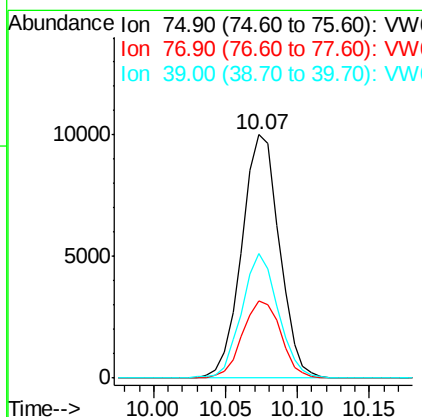
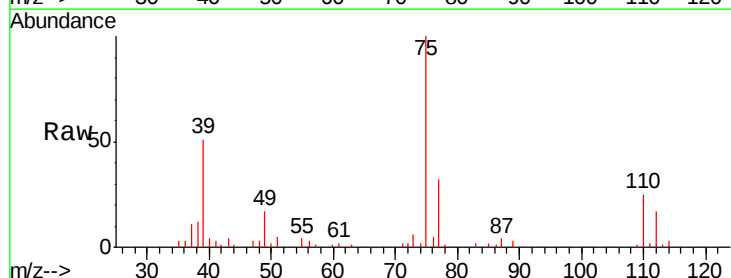
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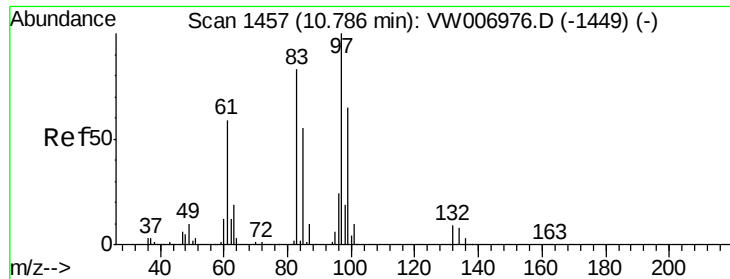
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#54
 cis-1,3-Dichloropropene
 Concen: 9.37 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW006974.D
 Acq: 20 Nov 2018 14:14

Tgt Ion: 75 Resp: 18138
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.0 37.6
 39 51.1 39.9 59.9





#55

1,1,2-Trichloroethane

Concen: 9.68 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW006974.D

Acq: 20 Nov 2018 14:14

Instrument :

MSVOA_W

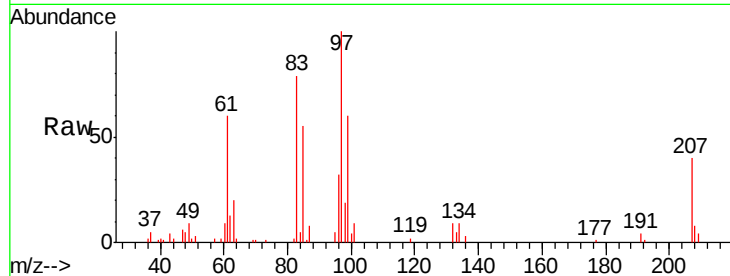
ClientSampleId :

VSTDIC010

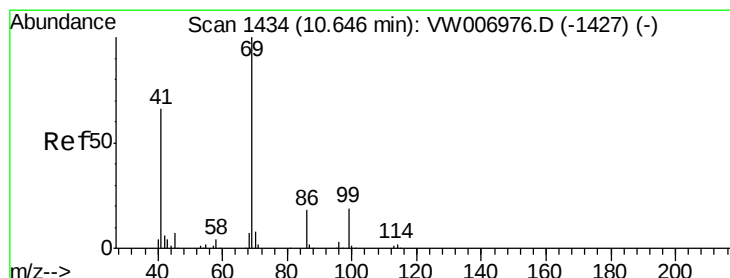
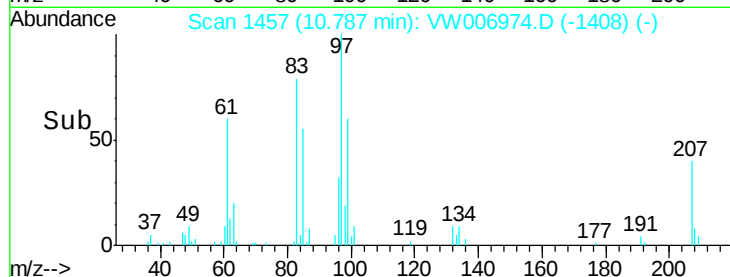
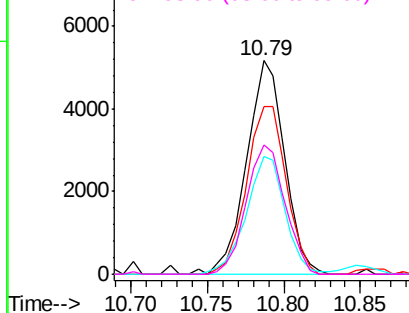
Tgt Ion:	97	Resp:	8941
Ion	Ratio	Lower	Upper
97	100		
83	78.8	66.4	99.6
85	55.1	44.1	66.1
99	60.5	51.7	77.5

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Abundance Ion 96.90 (96.60 to 97.60): VW
Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW
Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 9.29 ug/l

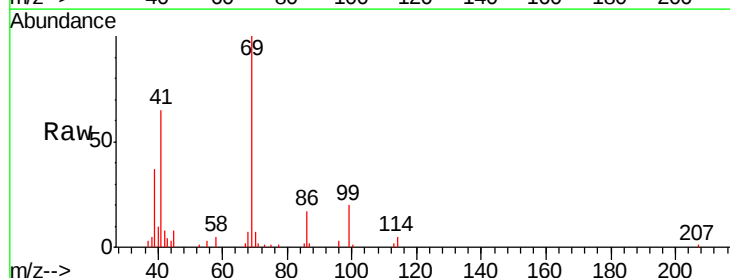
RT: 10.65 min Scan# 1434

Delta R.T. 0.00 min

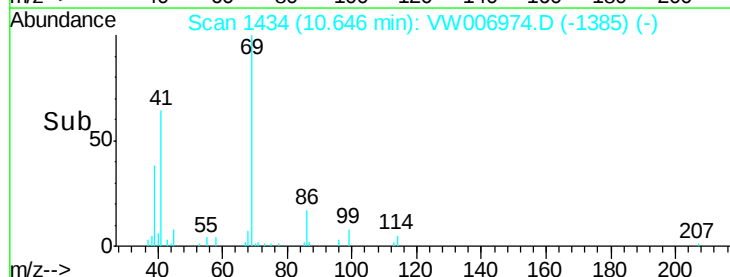
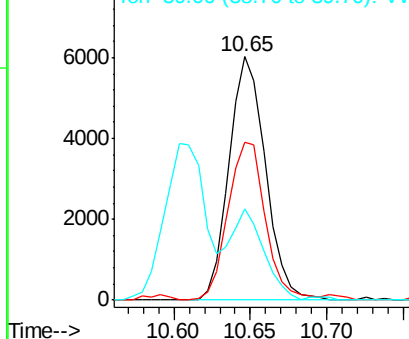
Lab File: VW006974.D

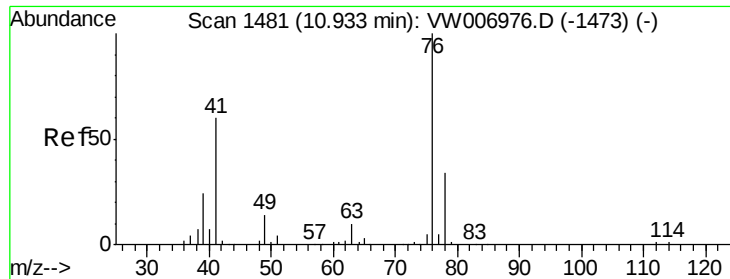
Acq: 20 Nov 2018 14:14

Tgt Ion:	69	Resp:	9962
Ion	Ratio	Lower	Upper
69	100		
41	66.8	53.4	80.0
39	35.4	28.2	42.4



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





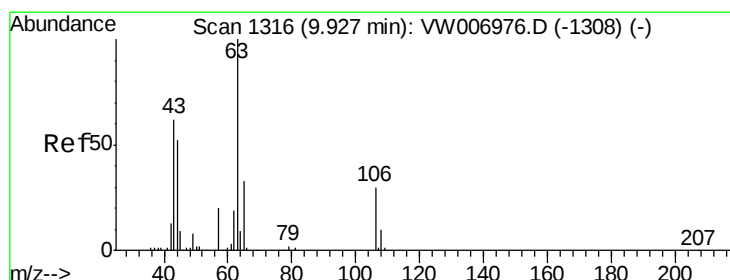
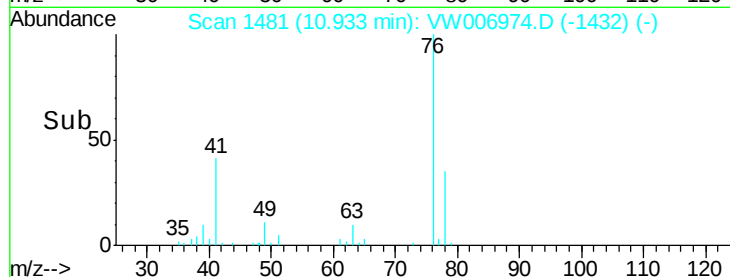
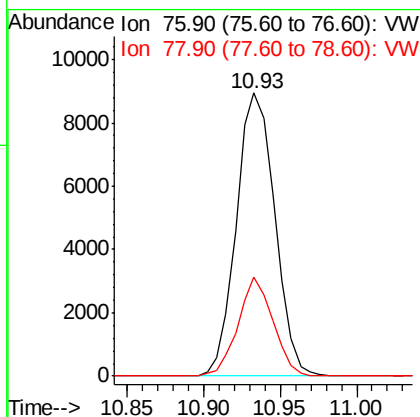
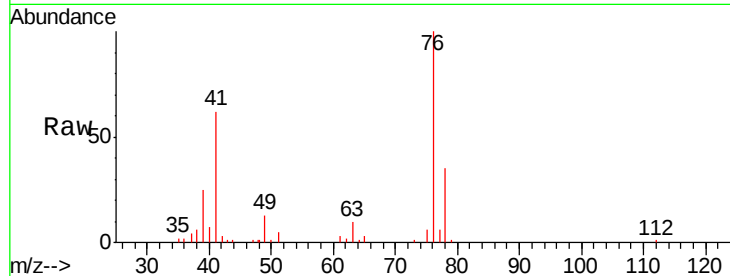
#57
 1,3-Dichloropropane
 Concen: 10.11 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW006974.D
 Acq: 20 Nov 2018 14:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tgt Ion: 76 Resp: 15648
 Ion Ratio Lower Upper
 76 100
 78 31.6 25.8 38.6

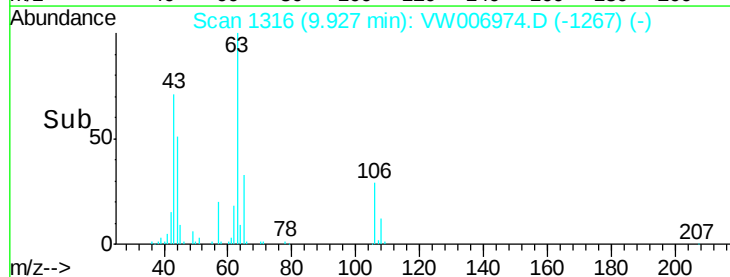
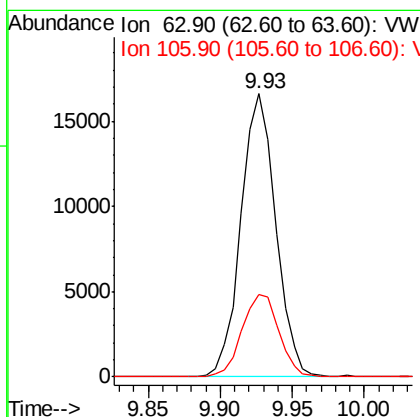
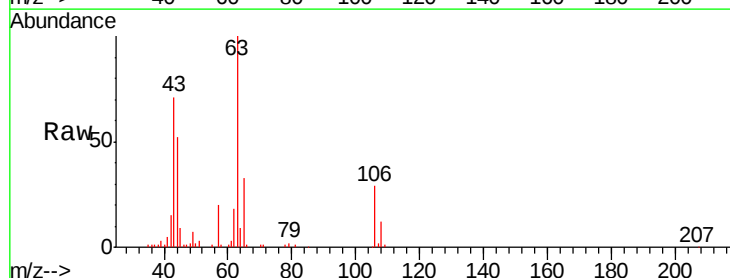
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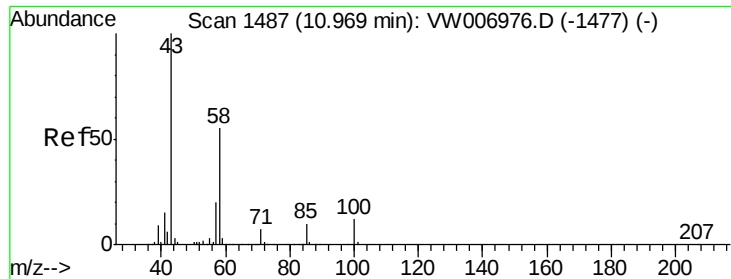
MMDadoda
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#58
 2-Chloroethyl Vinyl ether
 Concen: 49.66 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW006974.D
 Acq: 20 Nov 2018 14:14

Tgt Ion: 63 Resp: 27819
 Ion Ratio Lower Upper
 63 100
 106 30.6 23.5 35.3





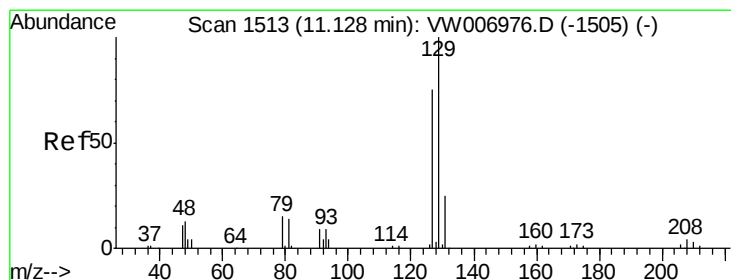
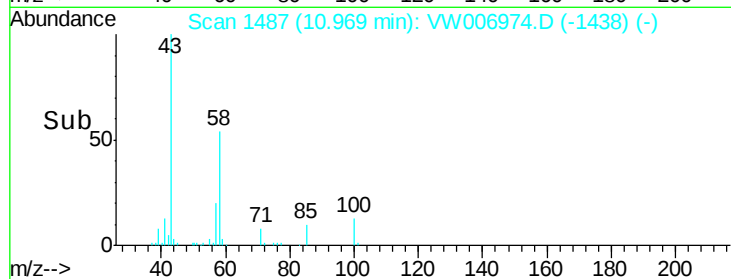
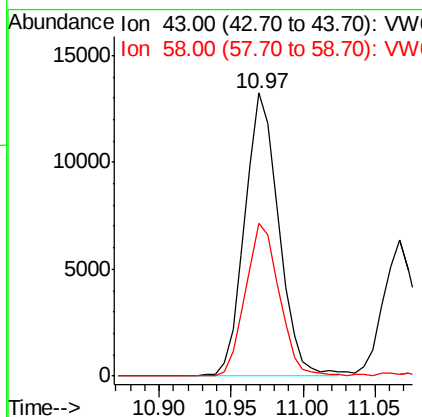
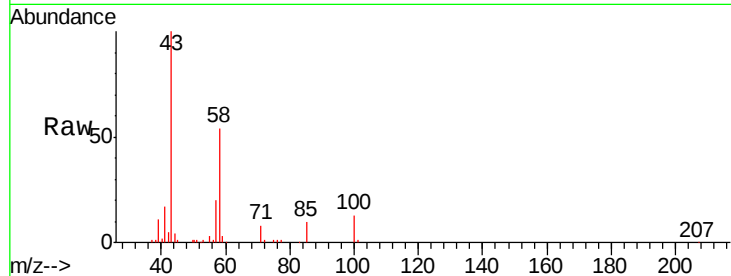
#59
2-Hexanone
Concen: 48.18 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW006974.D
Acq: 20 Nov 2018 14:14

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tgt Ion: 43 Resp: 21689
Ion Ratio Lower Upper
43 100
58 53.4 27.3 81.8

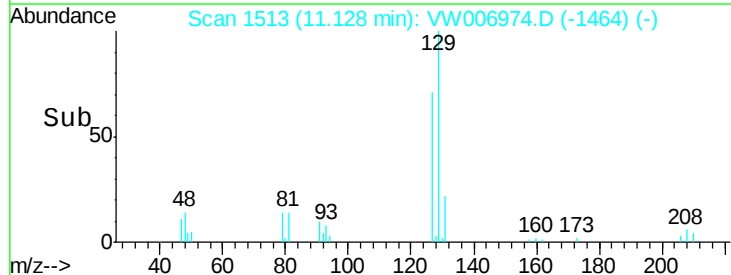
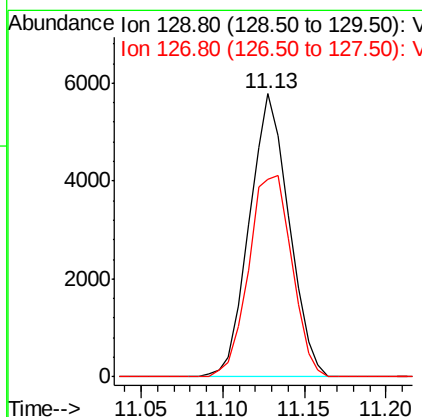
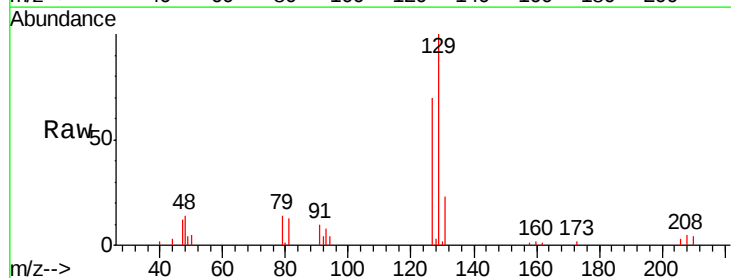
Manual Integrations
APPROVED

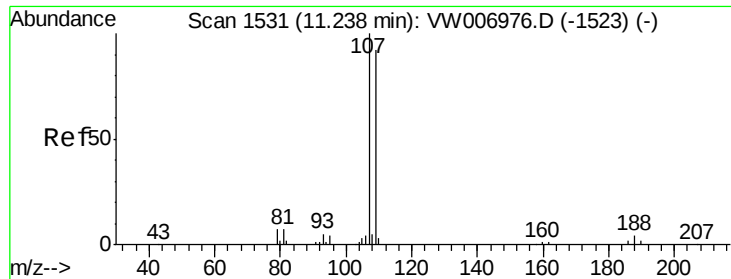
MMDadoda
11/21/2018 11:32:32 AM



#60
Dibromochloromethane
Concen: 9.25 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW006974.D
Acq: 20 Nov 2018 14:14

Tgt Ion: 129 Resp: 9735
Ion Ratio Lower Upper
129 100
127 77.4 38.3 114.8





#61

1,2-Dibromoethane

Concen: 9.64 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW006974.D

Acq: 20 Nov 2018 14:14

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tgt Ion: 107 Resp: 8148

Ion Ratio Lower Upper

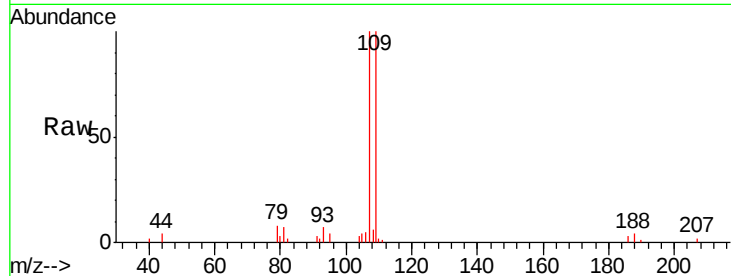
107 100

109 94.8 75.1 112.7

Manual Integrations
APPROVED

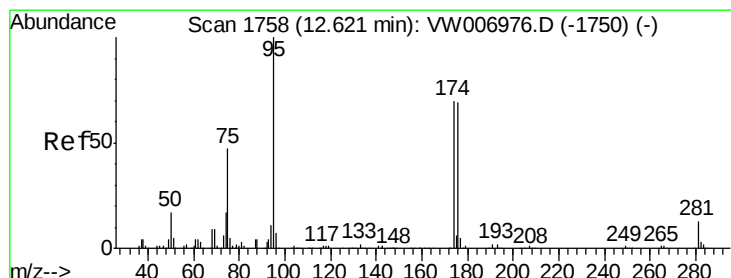
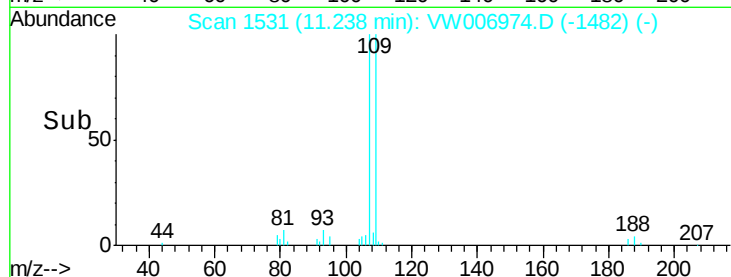
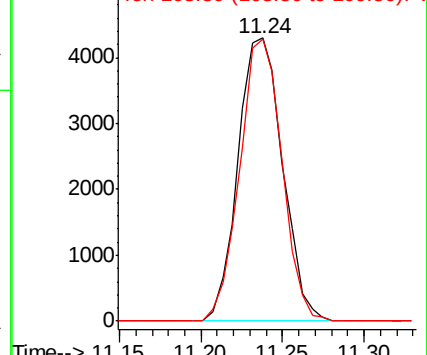
MMDadoda

11/21/2018 11:32:32 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 9.81 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW006974.D

Acq: 20 Nov 2018 14:14

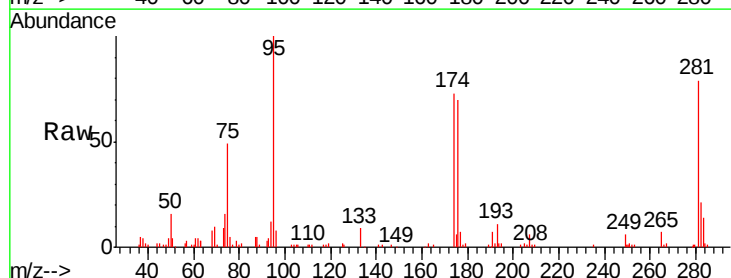
Tgt Ion: 95 Resp: 18561

Ion Ratio Lower Upper

95 100

174 72.8 0.0 143.6

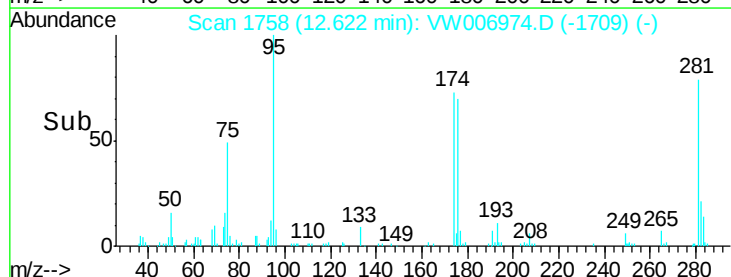
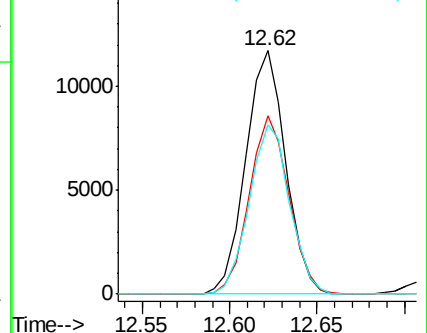
176 70.4 0.0 140.4

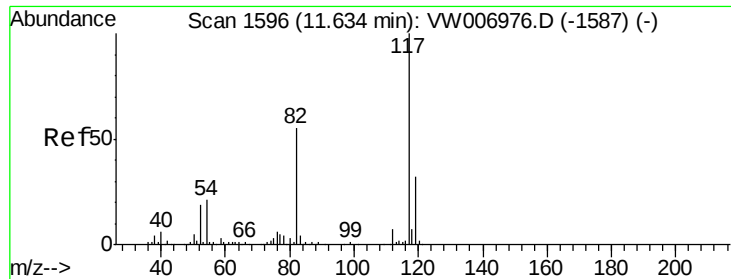


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





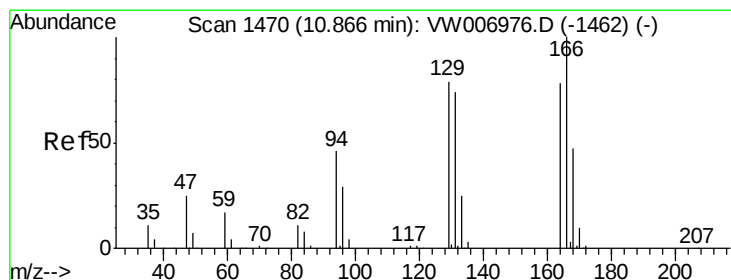
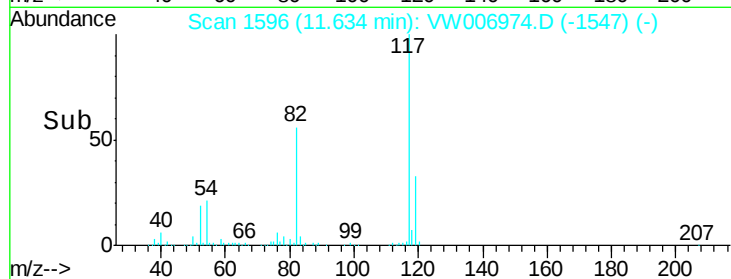
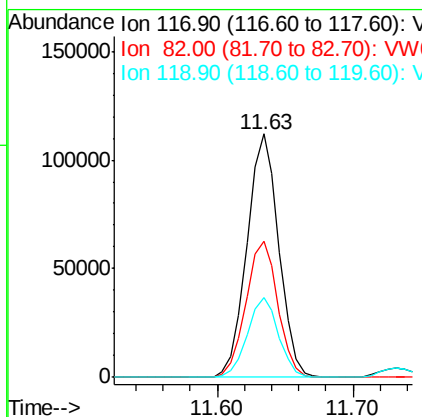
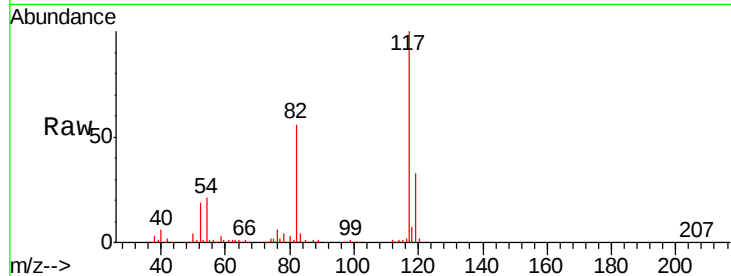
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006974.D
Acq: 20 Nov 2018 14:14

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tgt Ion	Ratio	Resp Lower	Resp Upper
117	100		
82	55.6	44.2	66.2
119	32.8	25.9	38.9

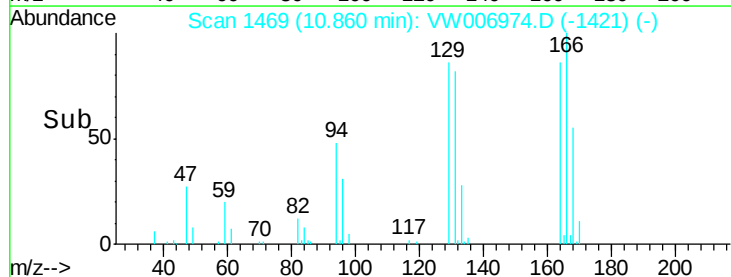
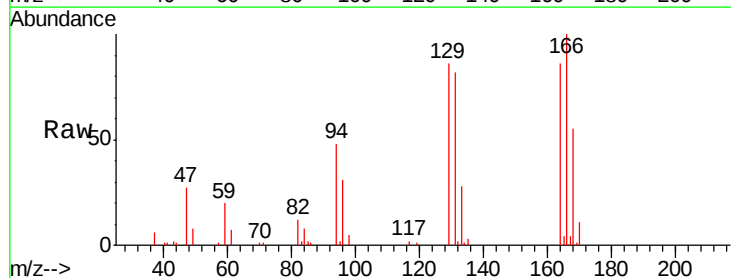
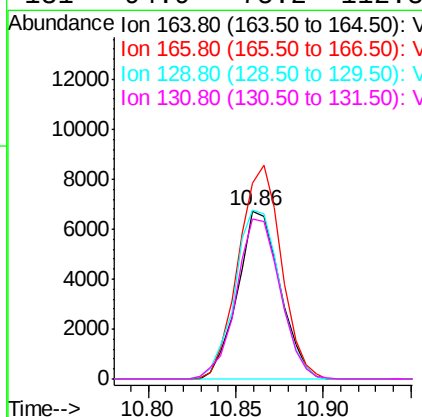
Manual Integrations
APPROVED

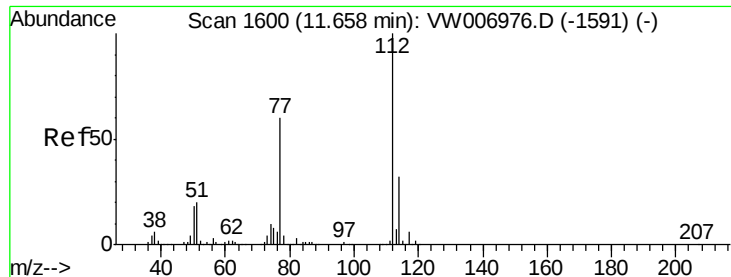
MMDadoda
11/21/2018 11:32:32 AM



#64
Tetrachloroethene
Concen: 9.66 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VW006974.D
Acq: 20 Nov 2018 14:14

Tgt Ion	Ratio	Resp Lower	Resp Upper
164	100		
166	116.2	102.1	153.1
129	100.4	80.4	120.6
131	94.9	75.2	112.8





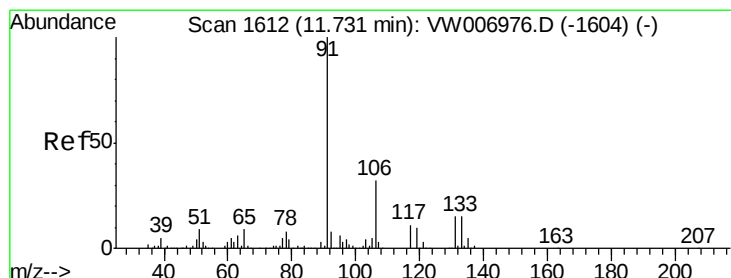
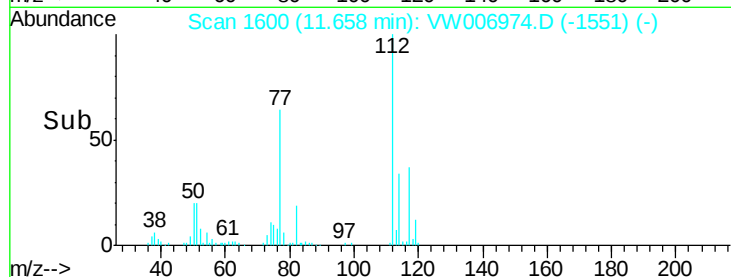
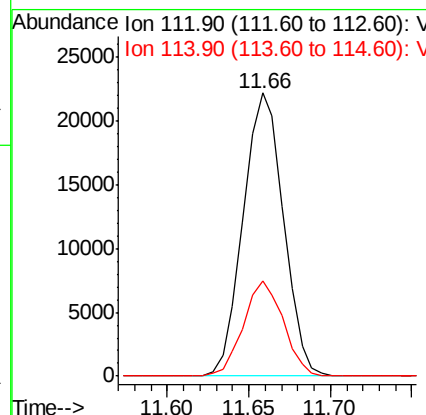
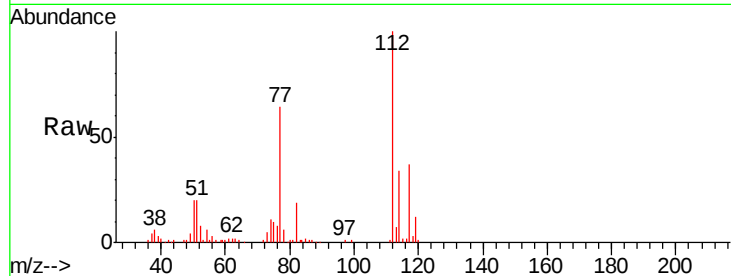
#65
Chlorobenzene
Concen: 10.00 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW006974.D
Acq: 20 Nov 2018 14:14

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tgt Ion:112 Resp: 38235
Ion Ratio Lower Upper
112 100
114 33.8 25.8 38.8

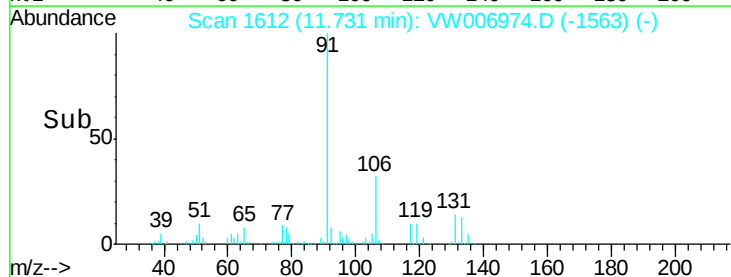
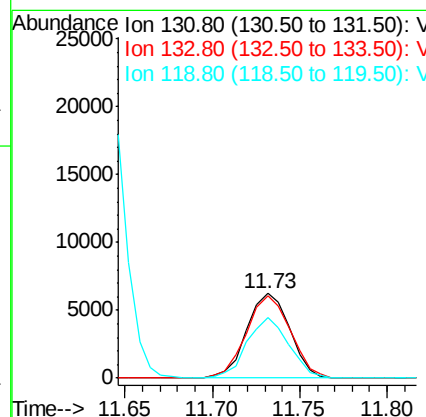
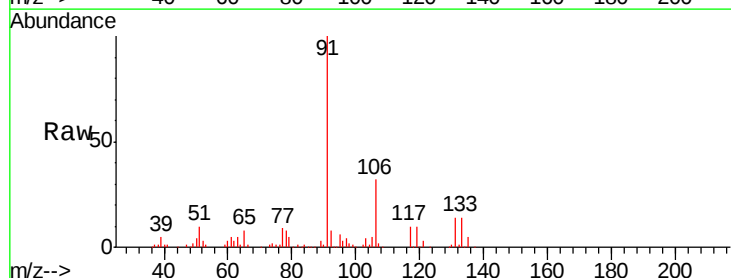
Manual Integrations
APPROVED

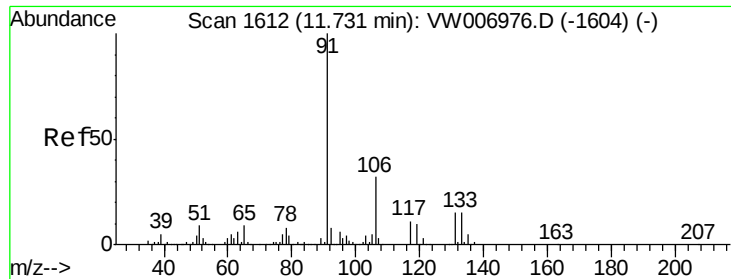
MMDadoda
11/21/2018 11:32:32 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 9.27 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW006974.D
Acq: 20 Nov 2018 14:14

Tgt Ion:131 Resp: 10725
Ion Ratio Lower Upper
131 100
133 99.9 47.7 143.1
119 69.2 31.8 95.3





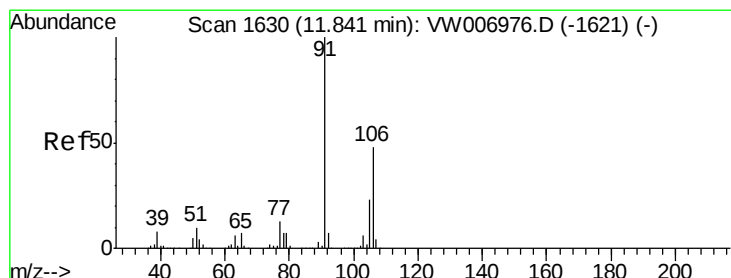
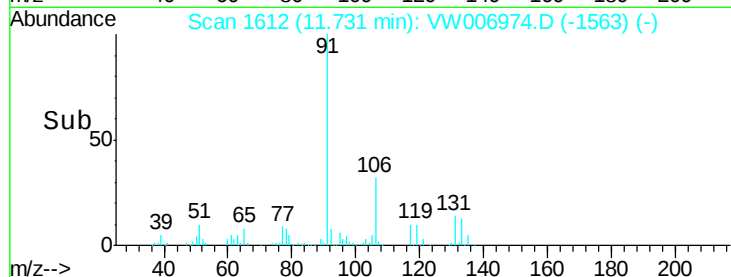
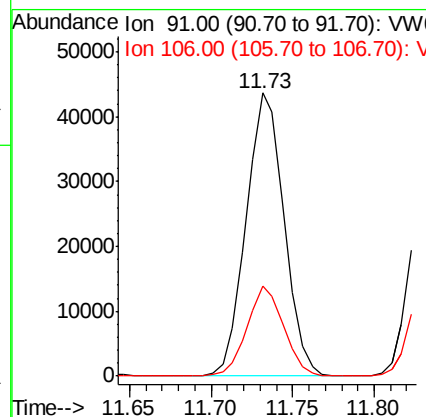
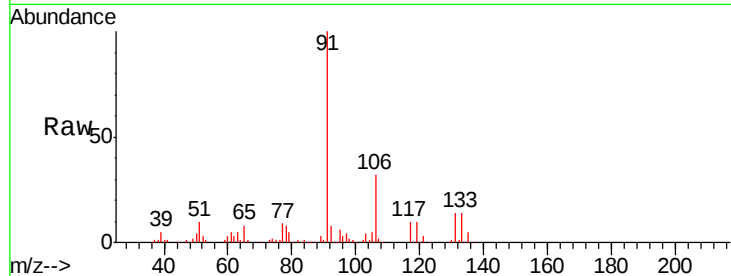
#67
Ethyl Benzene
Concen: 10.05 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW006974.D
Acq: 20 Nov 2018 14:14

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tgt Ion: 91 Resp: 70620
Ion Ratio Lower Upper
91 100
106 31.8 25.4 38.2

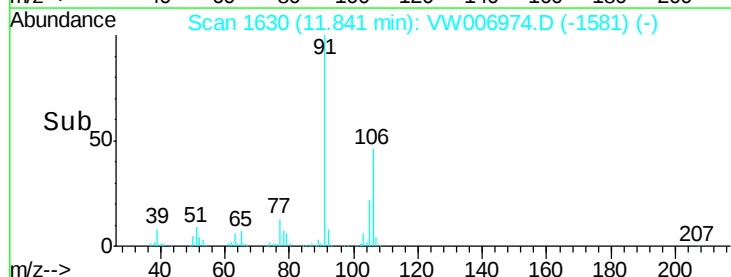
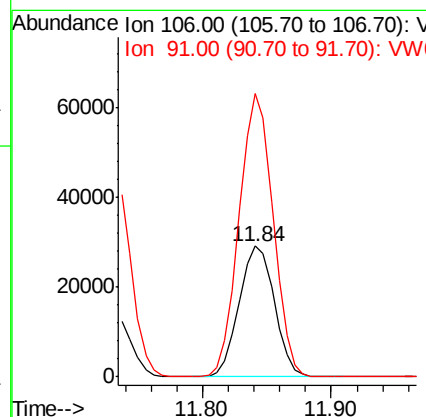
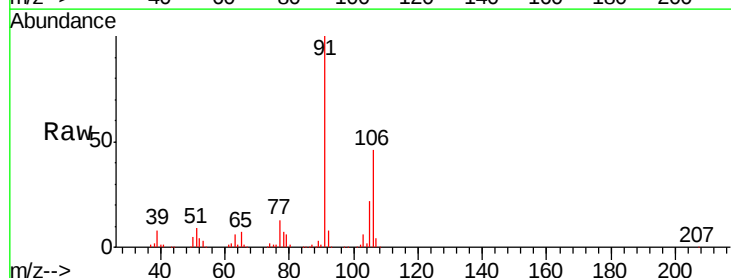
Manual Integrations
APPROVED

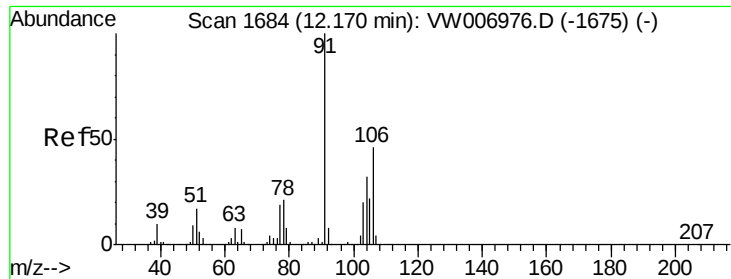
MMDadoda
11/21/2018 11:32:32 AM



#68
m/p-Xylenes
Concen: 20.09 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW006974.D
Acq: 20 Nov 2018 14:14

Tgt Ion: 106 Resp: 55350
Ion Ratio Lower Upper
106 100
91 208.6 164.8 247.2





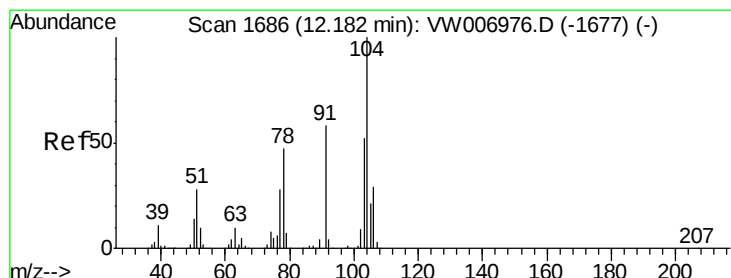
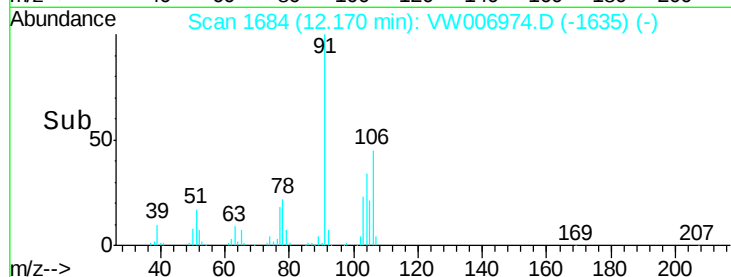
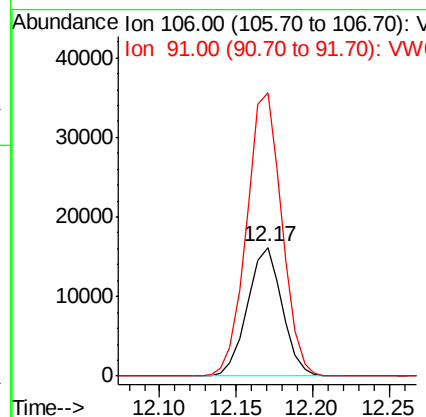
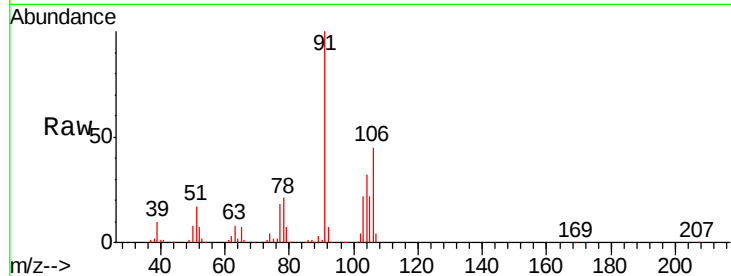
#69
o-Xylene
Concen: 9.83 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW006974.D
Acq: 20 Nov 2018 14:14

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tgt Ion:106 Resp: 25548
Ion Ratio Lower Upper
106 100
91 222.9 107.9 323.8

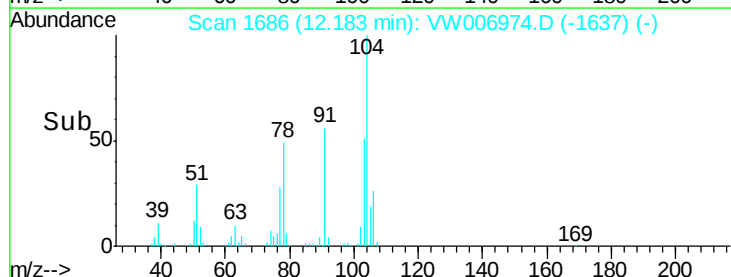
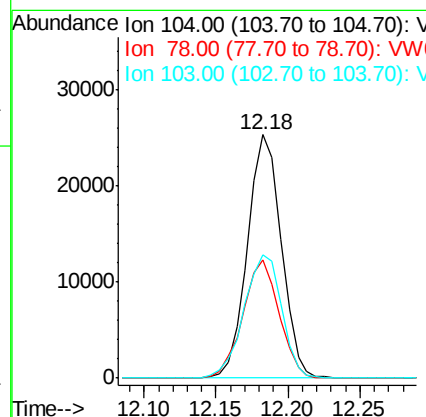
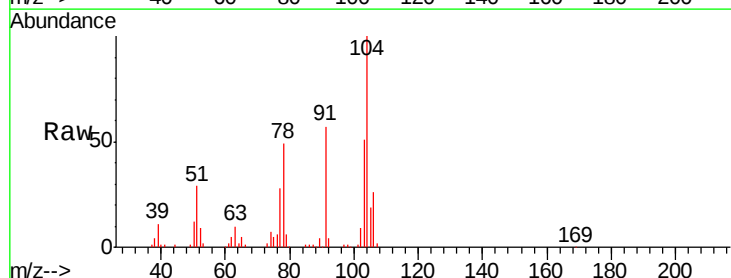
Manual Integrations
APPROVED

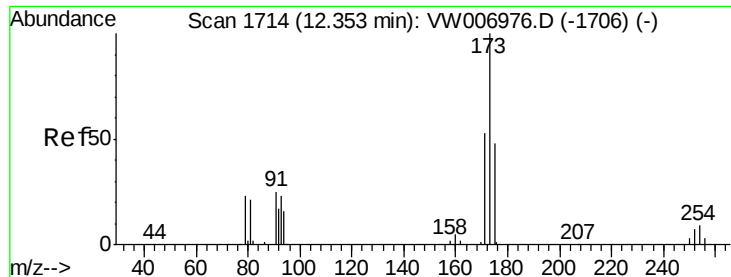
MMDadoda
11/21/2018 11:32:32 AM



#70
Styrene
Concen: 9.94 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW006974.D
Acq: 20 Nov 2018 14:14

Tgt Ion:104 Resp: 41108
Ion Ratio Lower Upper
104 100
78 52.0 41.8 62.8
103 56.6 44.4 66.6





#71

Bromoform

Concen: 9.06 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW006974.D

Acq: 20 Nov 2018 14:14

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tgt Ion:173 Resp: 4936

Ion Ratio Lower Upper

173 100

175 49.6 24.0 72.0

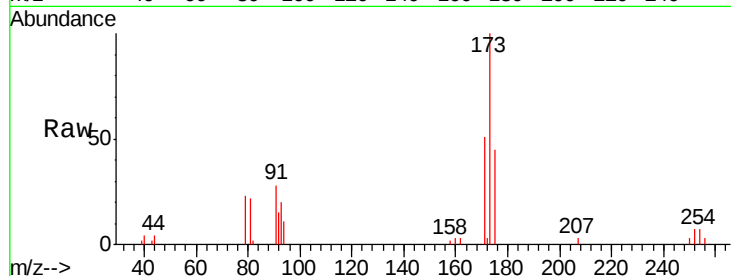
254 0.0 0.0 0.0

Manual Integrations

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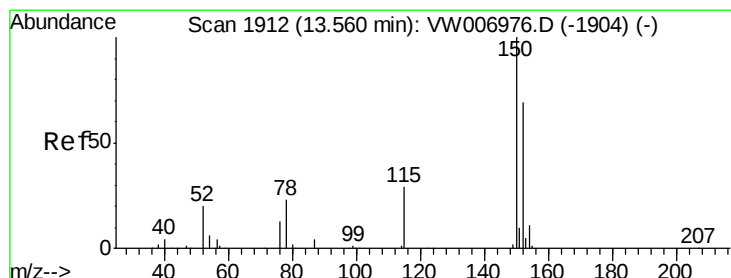
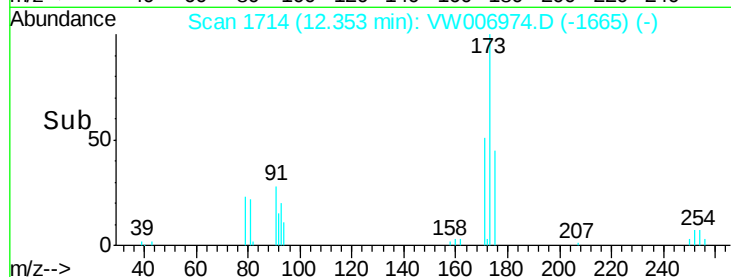
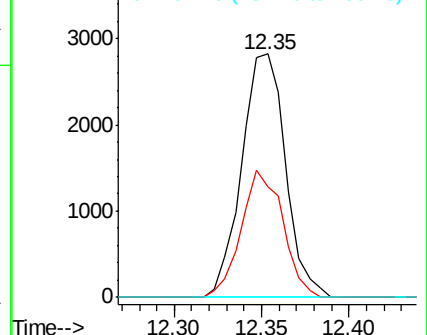
11/21/2018 11:32:32 AM



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: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW006974.D

Acq: 20 Nov 2018 14:14

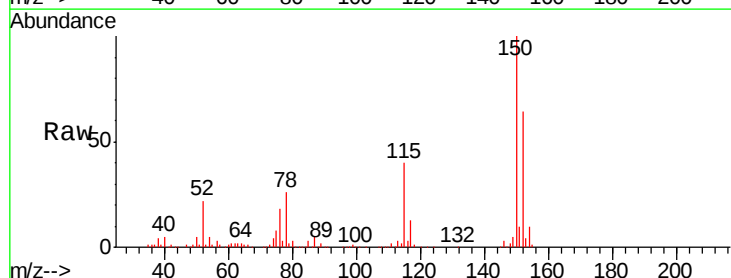
Tgt Ion:152 Resp: 93365

Ion Ratio Lower Upper

152 100

115 61.7 31.4 94.2

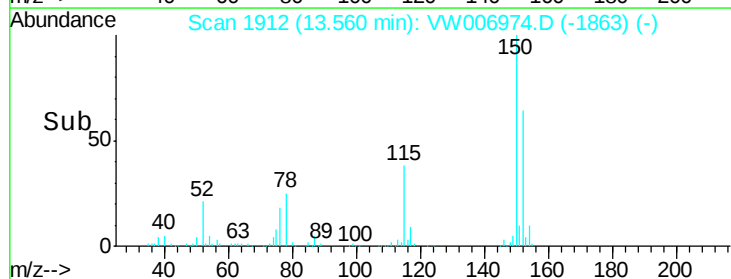
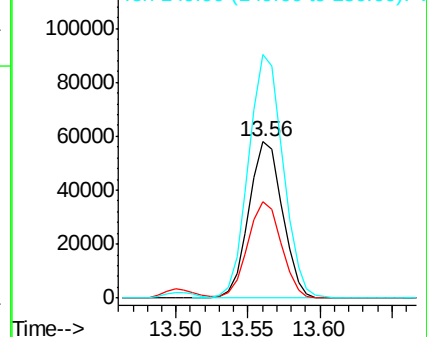
150 159.9 0.0 353.4

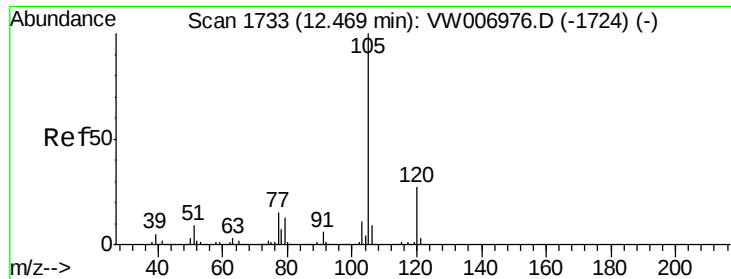


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 9.88 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW006974.D

Acq: 20 Nov 2018 14:14

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tgt Ion: 105 Resp: 71657

Ion Ratio Lower Upper

105 100

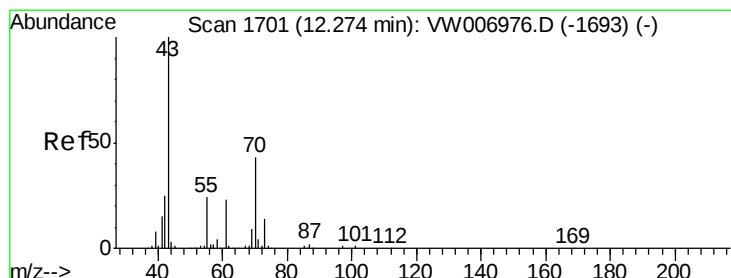
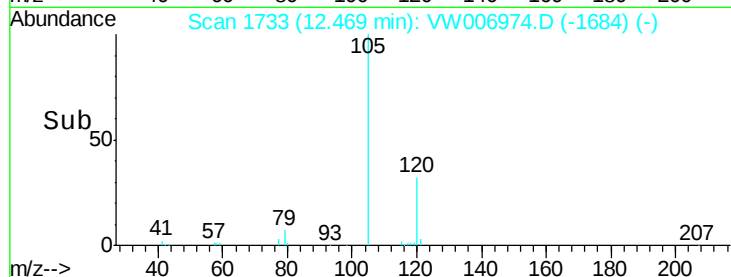
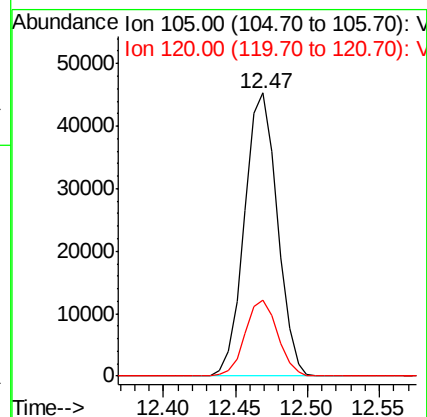
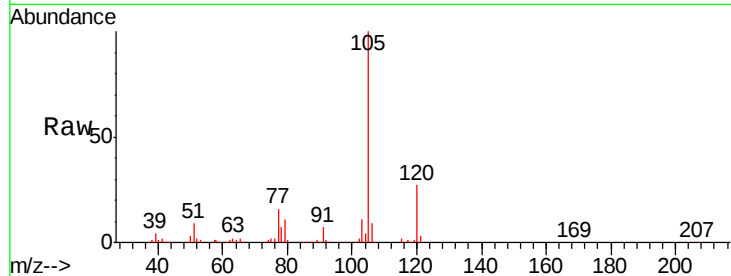
120 26.4 13.3 39.8

Manual Integrations

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11/21/2018 11:32:32 AM



#74

N-ethyl acetate

Concen: 9.11 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW006974.D

Acq: 20 Nov 2018 14:14

Tgt Ion: 43 Resp: 11079

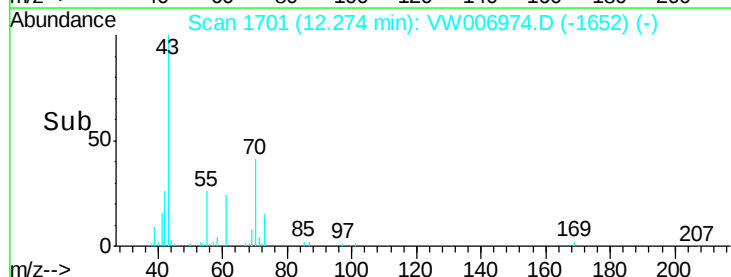
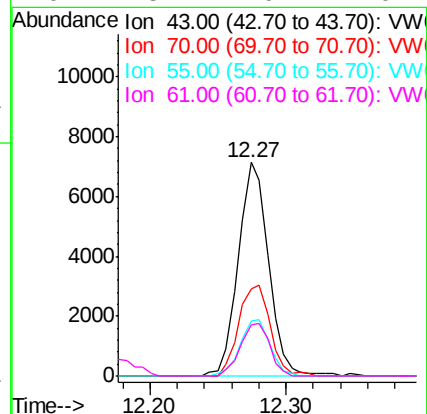
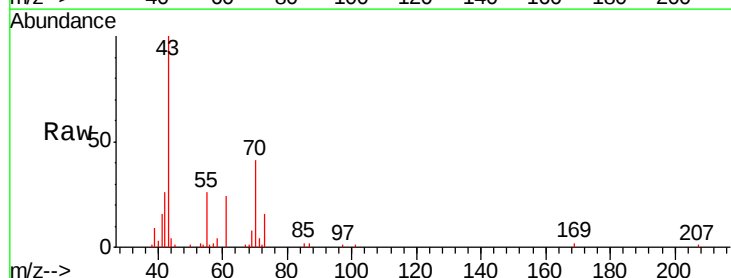
Ion Ratio Lower Upper

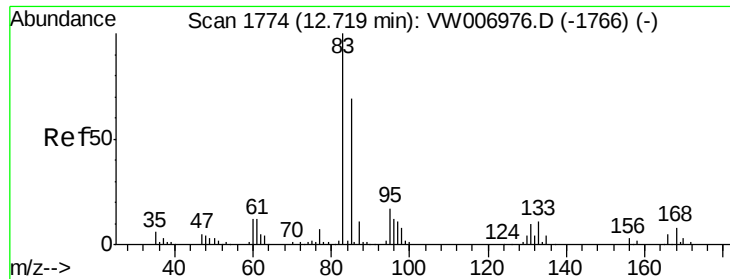
43 100

70 44.2 34.0 51.0

55 26.1 19.4 29.0

61 23.7 19.4 29.2





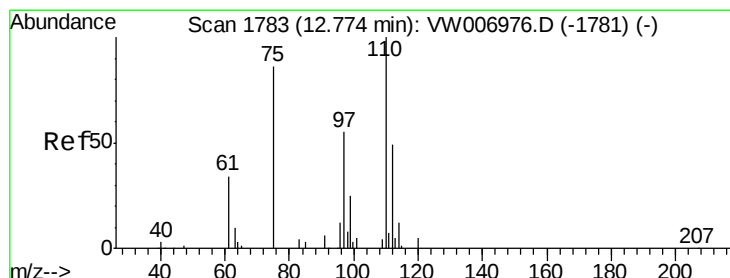
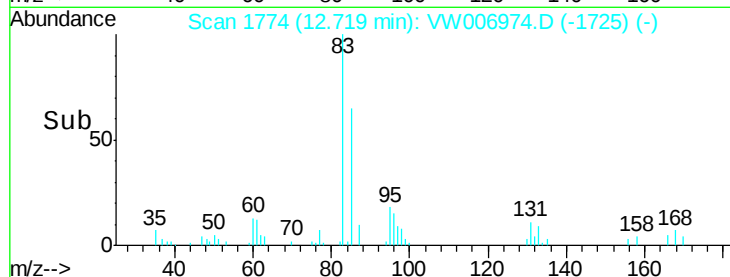
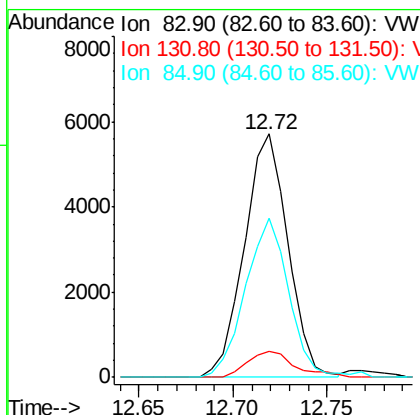
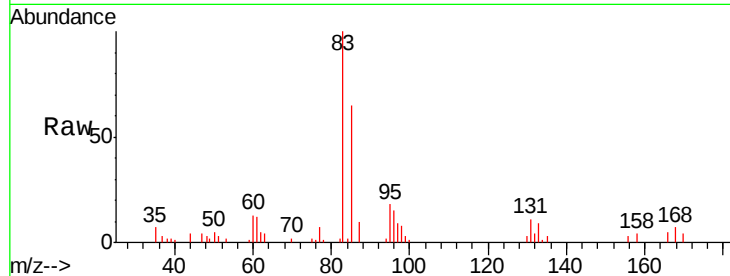
#75
 1,1,2,2-Tetrachloroethane
 Concen: 9.45 ug/l
 RT: 12.72 min Scan# 1774
 Delta R.T. 0.00 min
 Lab File: VW006974.D
 Acq: 20 Nov 2018 14:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tgt Ion	Ratio	Lower	Upper
83	100		
131	11.7	5.7	17.1
85	65.7	33.1	99.2

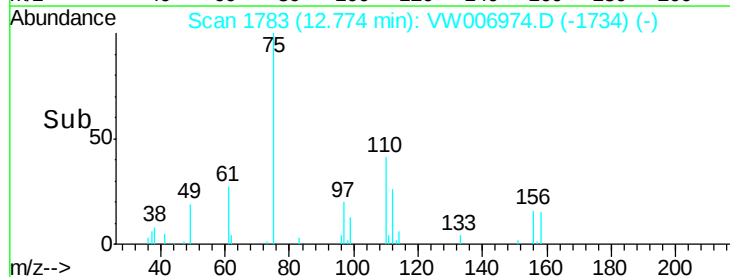
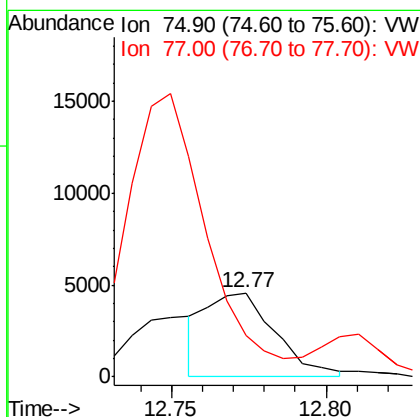
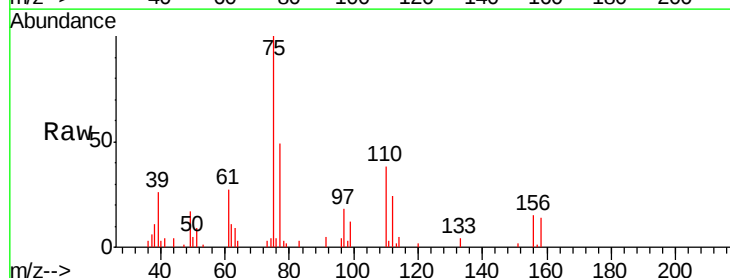
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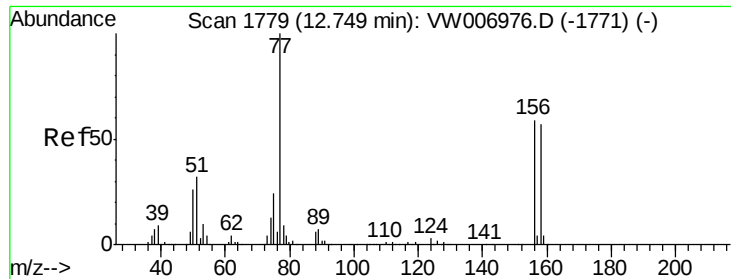
MMDadoda
 11/21/2018 11:32:32 AM



#76
 1,2,3-Trichloropropane
 Concen: 5.88 ug/l m
 RT: 12.77 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VW006974.D
 Acq: 20 Nov 2018 14:14

Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 9.89 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW006974.D

Acq: 20 Nov 2018 14:14

Instrument :

MSVOA_W

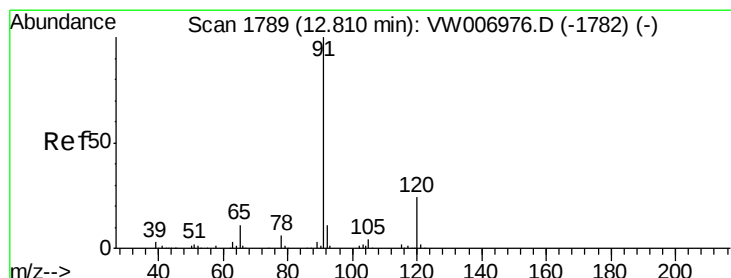
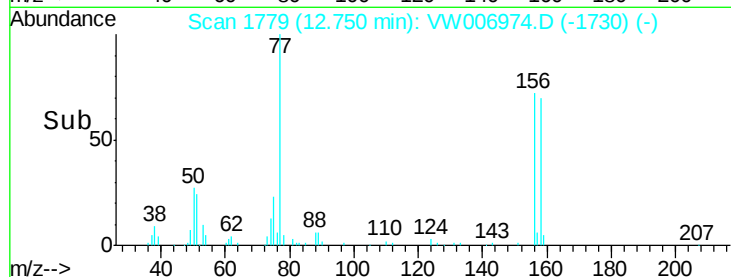
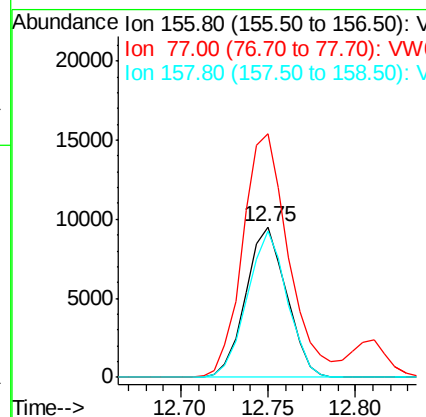
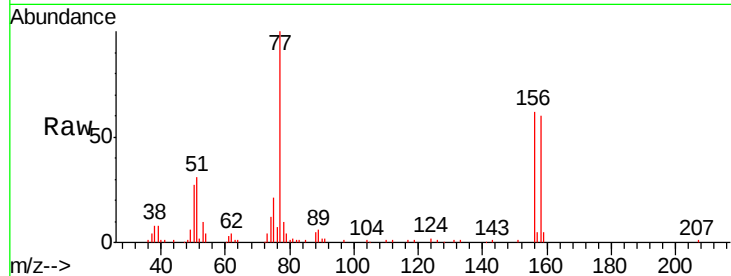
ClientSampleId :

VSTDIC010

Tgt Ion	Ratio	Lower	Upper
156	100		
77	181.2	94.6	283.8
158	95.2	48.9	146.7

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#78

n-propylbenzene

Concen: 9.94 ug/l

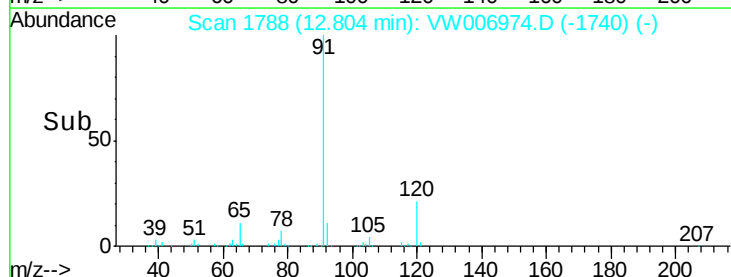
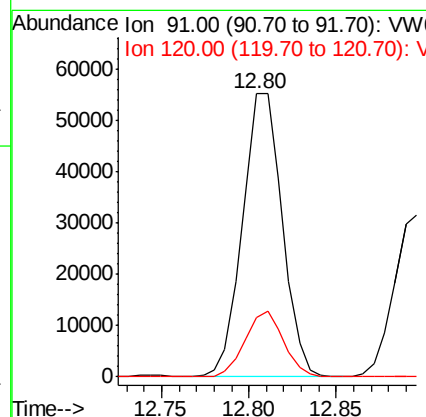
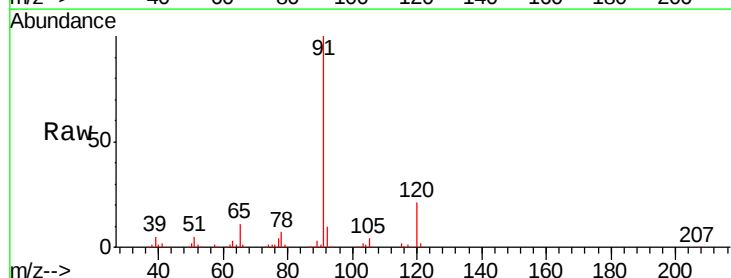
RT: 12.80 min Scan# 1788

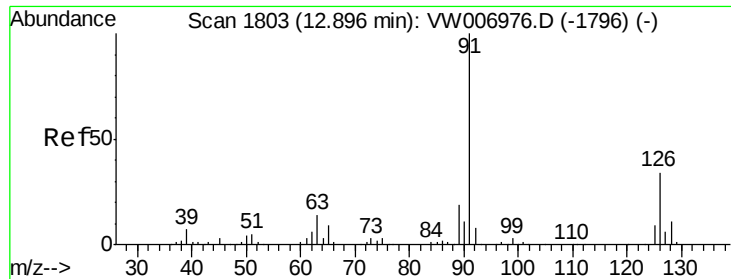
Delta R.T. -0.01 min

Lab File: VW006974.D

Acq: 20 Nov 2018 14:14

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.7	35.1





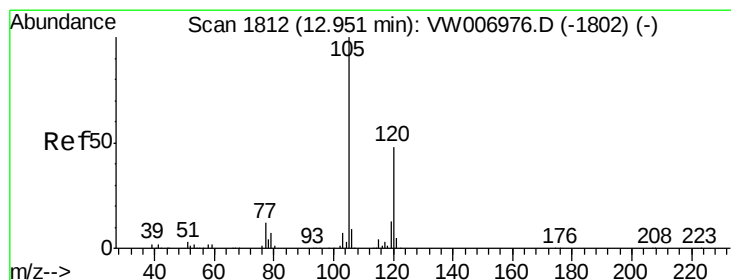
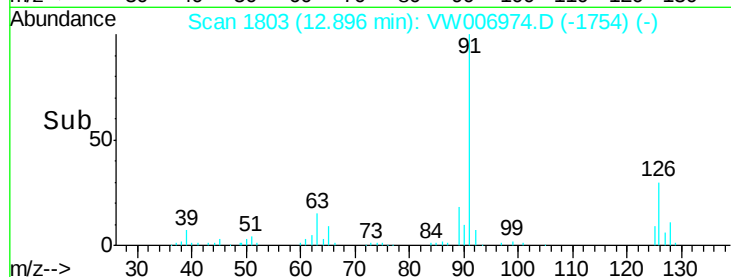
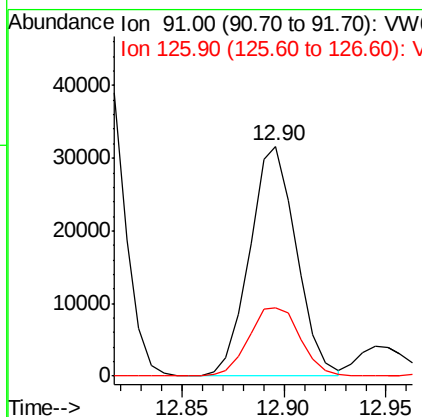
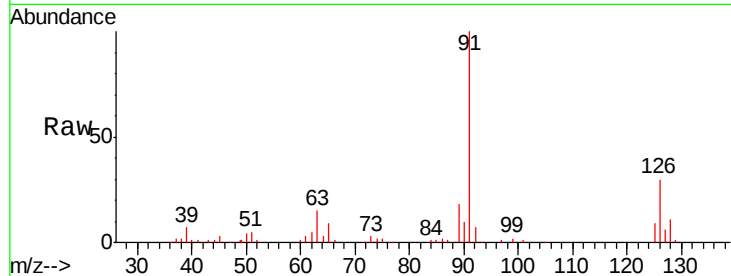
#79
2-Chlorotoluene
Concen: 9.91 ug/l
RT: 12.90 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VW006974.D
Acq: 20 Nov 2018 14:14

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tgt Ion: 91 Resp: 50213
Ion Ratio Lower Upper
91 100
126 33.0 16.7 50.0

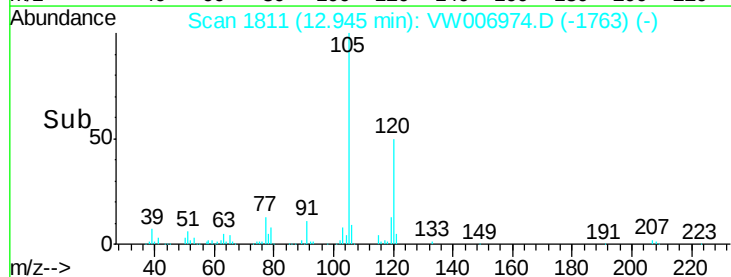
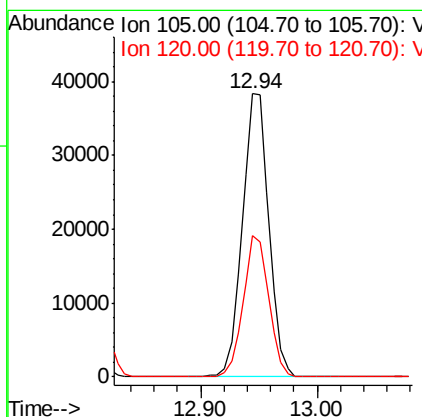
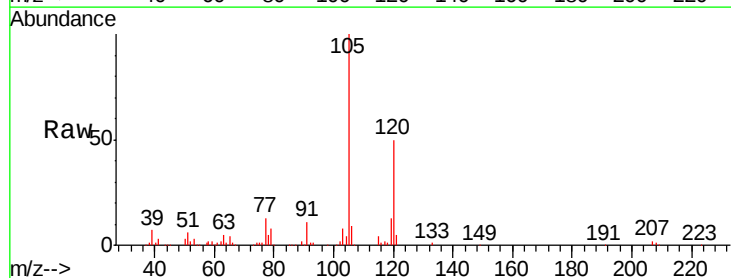
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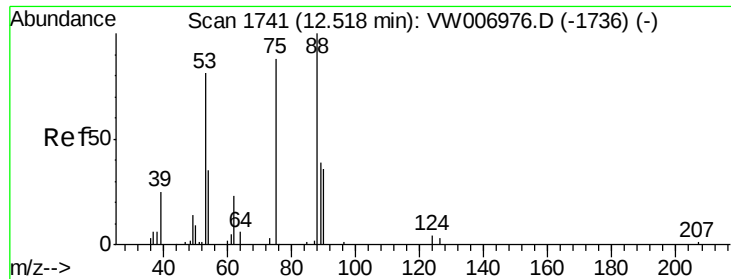
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#80
1,3,5-Trimethylbenzene
Concen: 9.69 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. -0.01 min
Lab File: VW006974.D
Acq: 20 Nov 2018 14:14

Tgt Ion: 105 Resp: 60813
Ion Ratio Lower Upper
105 100
120 48.5 23.8 71.2





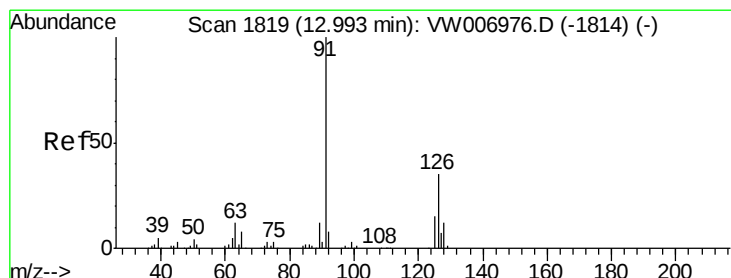
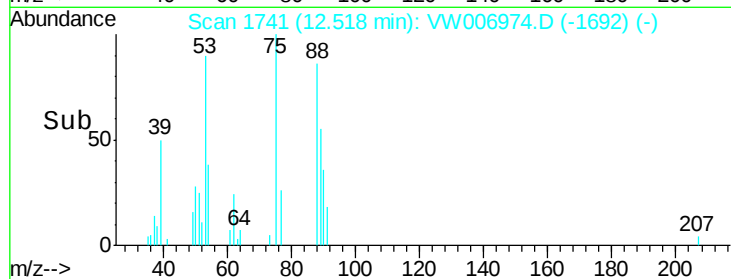
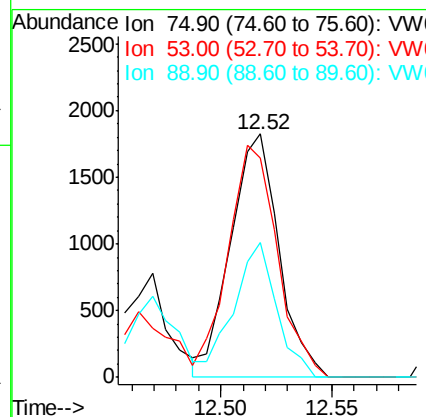
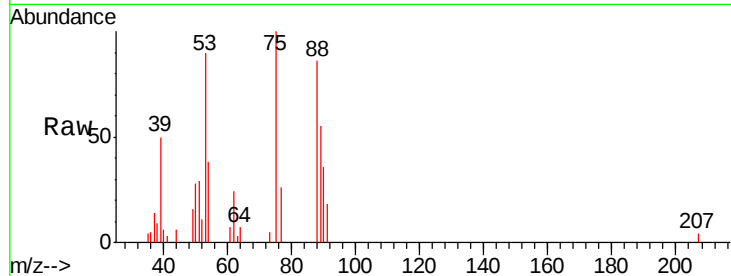
#81
trans-1,4-Dichloro-2-butene
Concen: 9.40 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VW006974.D
Acq: 20 Nov 2018 14:14

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tgt Ion	Ratio	Lower	Upper
75	100		
53	97.7	77.6	116.4
89	48.4	39.3	58.9

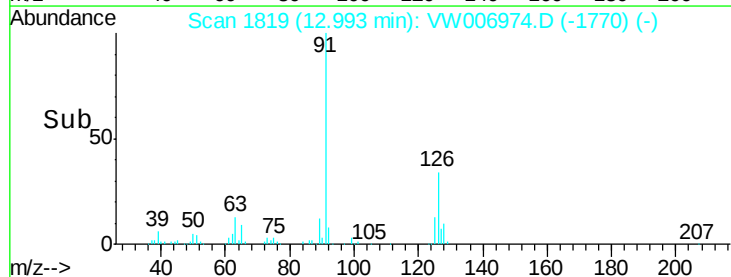
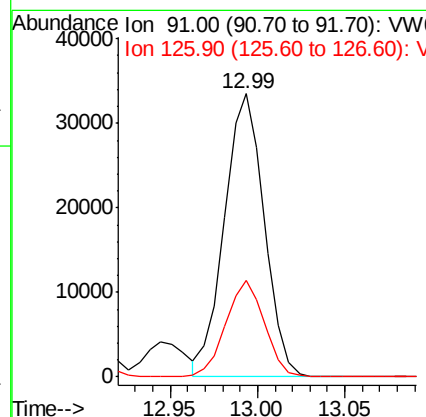
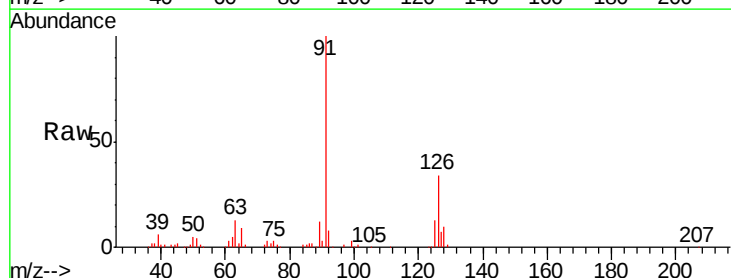
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#82
4-Chlorotoluene
Concen: 9.95 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW006974.D
Acq: 20 Nov 2018 14:14

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.0	16.6	49.7





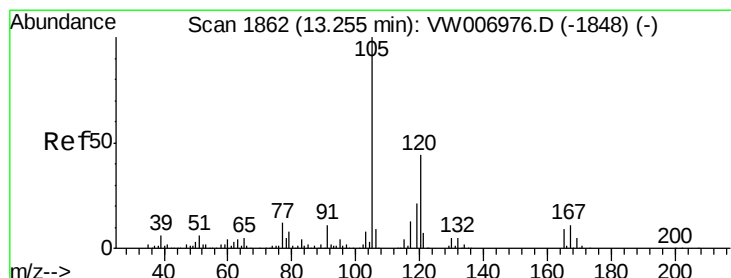
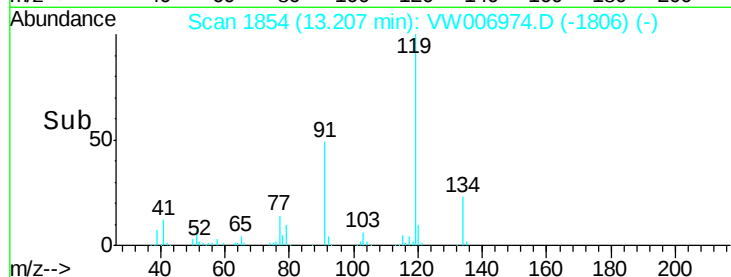
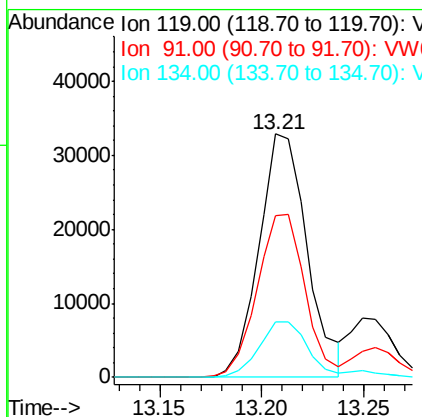
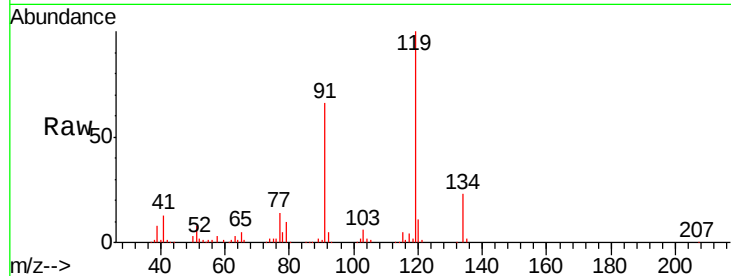
#83
tert-Butylbenzene
Concen: 9.97 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.01 min
Lab File: VW006974.D
Acq: 20 Nov 2018 14:14

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tgt Ion	Ratio	Lower	Upper
119	100		
91	66.5	33.5	100.5
134	24.6	12.6	37.8

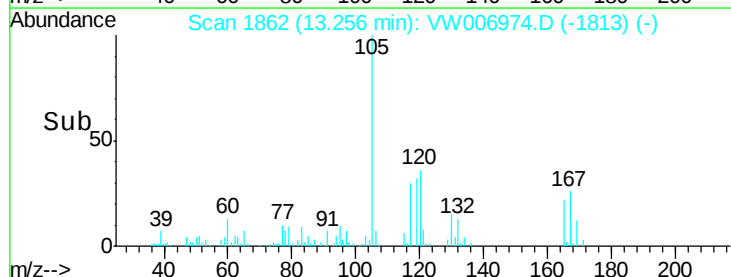
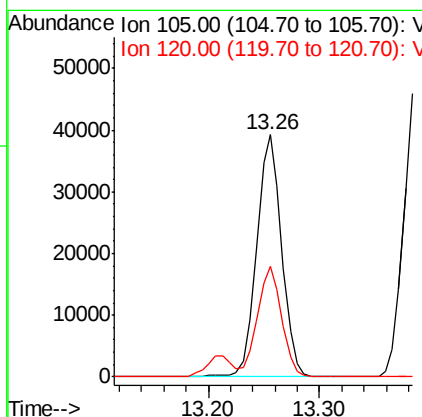
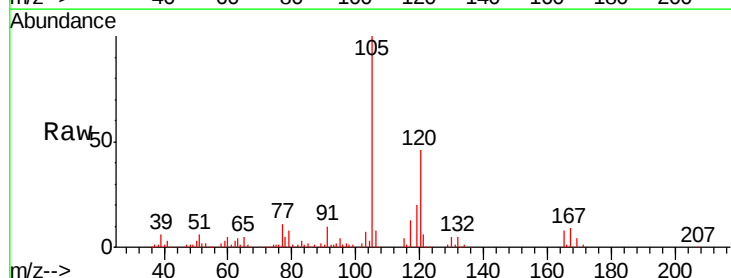
Manual Integrations
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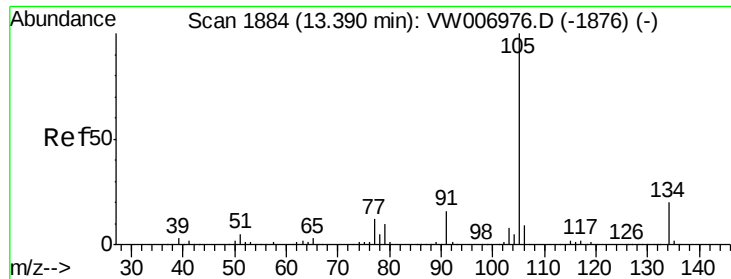
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#84
1,2,4-Trimethylbenzene
Concen: 9.75 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW006974.D
Acq: 20 Nov 2018 14:14

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.9	21.8	65.3





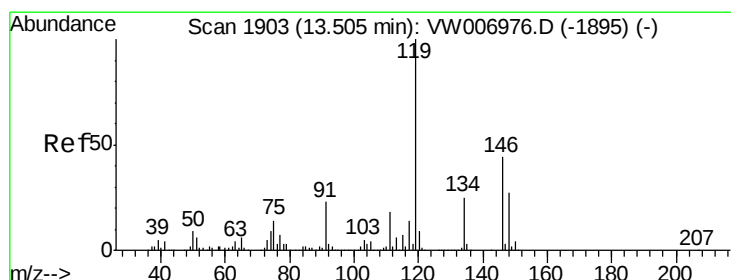
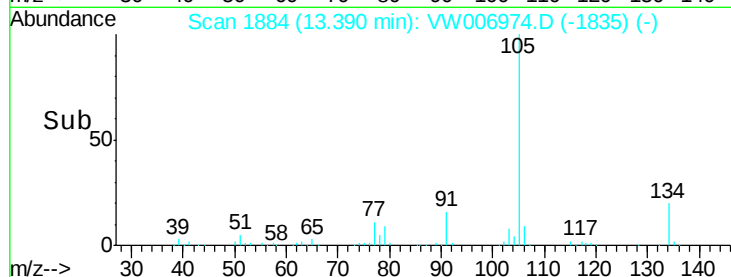
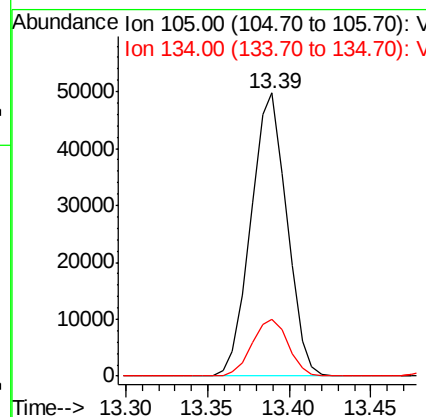
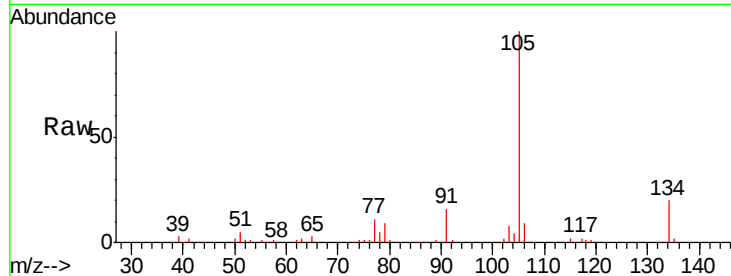
#85
 sec-Butylbenzene
 Concen: 9.97 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. 0.00 min
 Lab File: VW006974.D
 Acq: 20 Nov 2018 14:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tgt Ion:105 Resp: 76536
 Ion Ratio Lower Upper
 105 100
 134 20.3 9.8 29.3

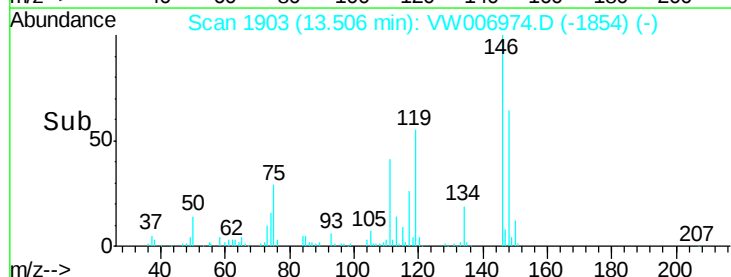
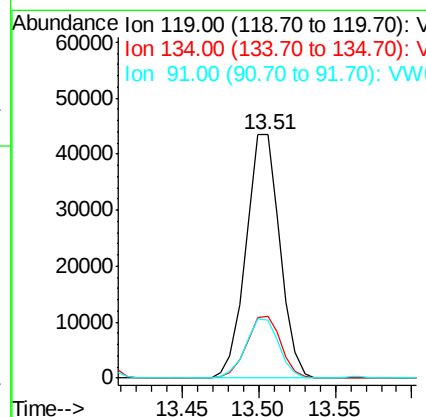
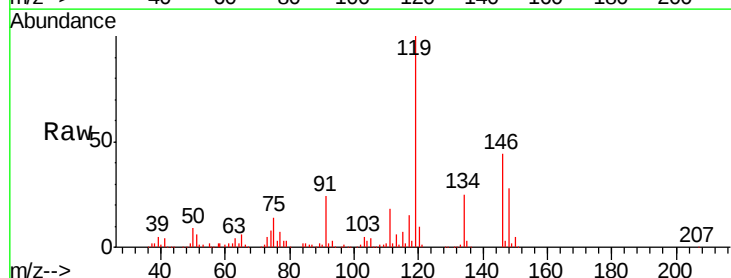
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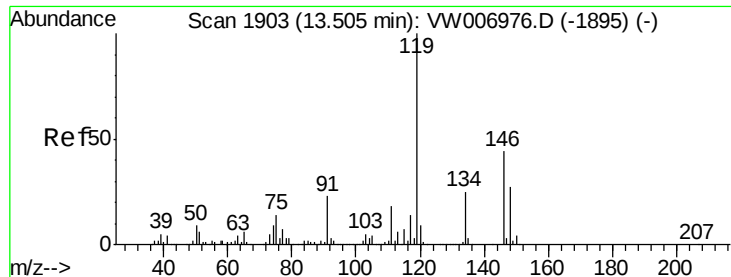
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#86
 p-Isopropyltoluene
 Concen: 9.83 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW006974.D
 Acq: 20 Nov 2018 14:14

Tgt Ion:119 Resp: 66540
 Ion Ratio Lower Upper
 119 100
 134 25.6 12.8 38.3
 91 24.3 12.2 36.6





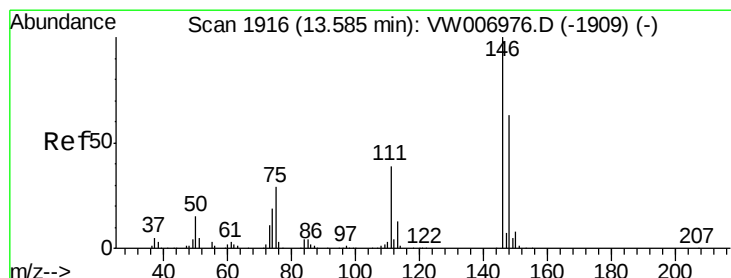
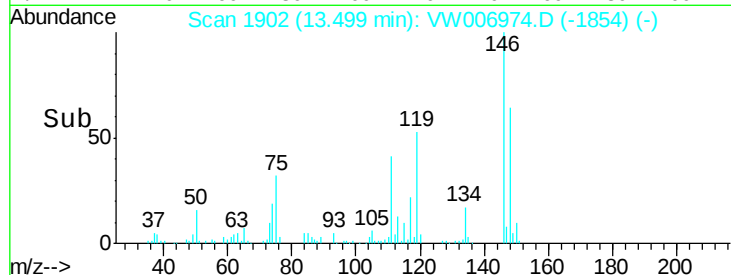
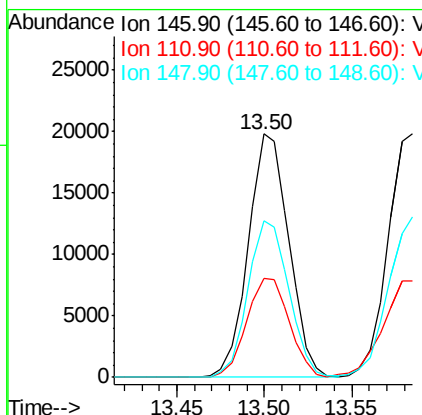
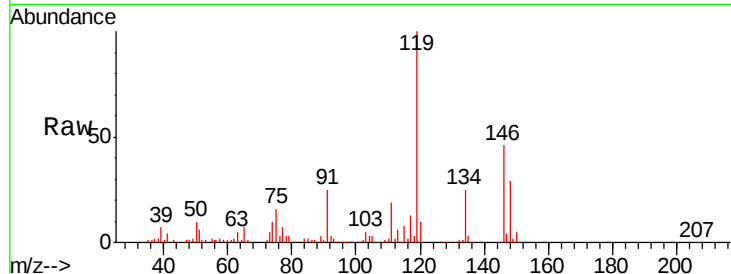
#87
 1,3-Dichlorobenzene
 Concen: 10.04 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.01 min
 Lab File: VW006974.D
 Acq: 20 Nov 2018 14:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.7	21.1	63.3
148	64.9	31.6	94.8

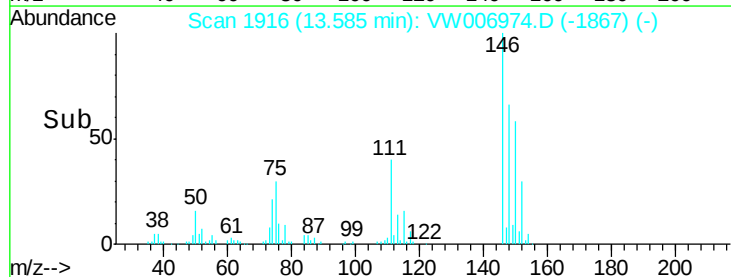
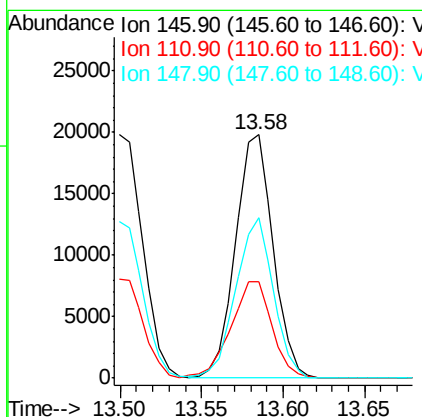
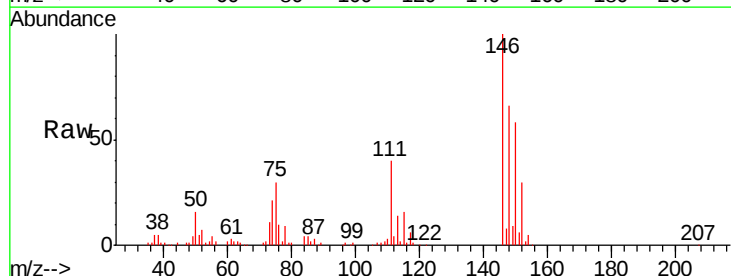
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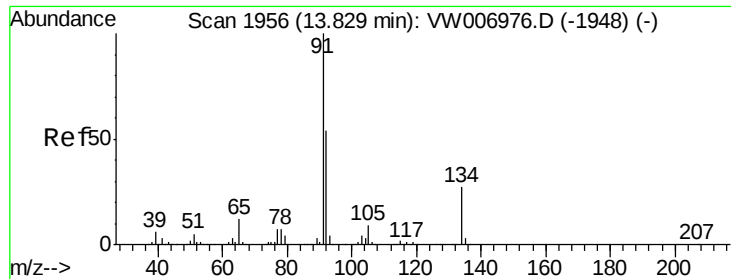
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#88
 1,4-Dichlorobenzene
 Concen: 10.04 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW006974.D
 Acq: 20 Nov 2018 14:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.5	20.6	61.8
148	65.8	32.3	96.8





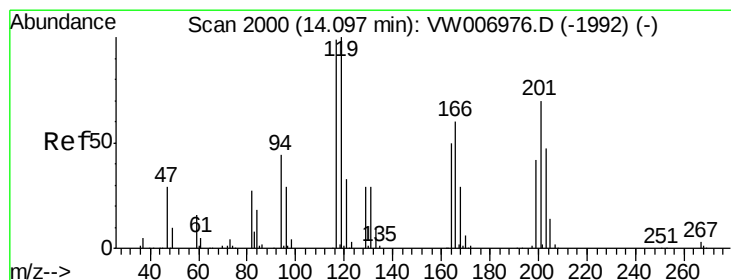
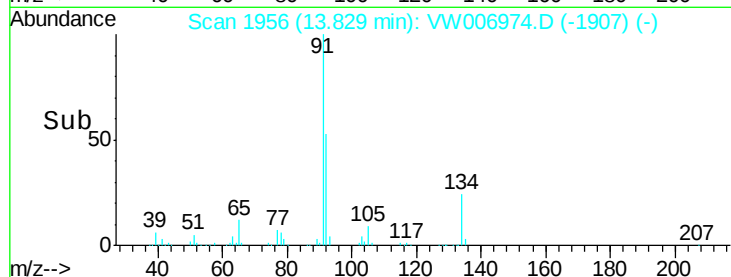
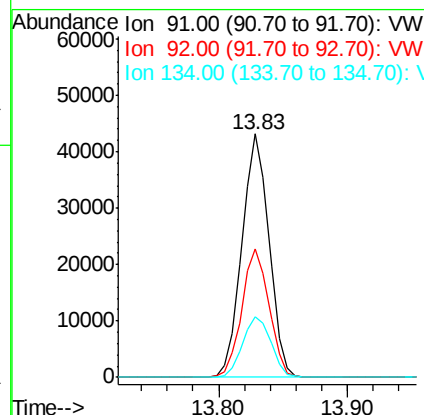
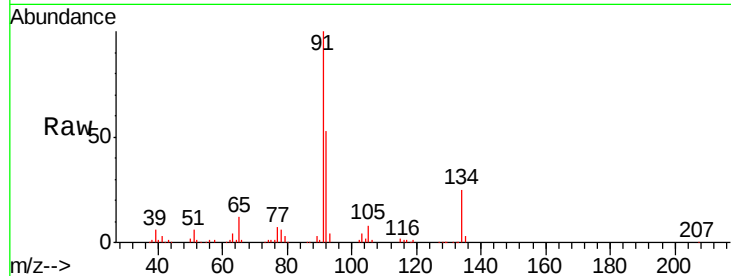
#89
n-Butylbenzene
Concen: 9.87 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW006974.D
Acq: 20 Nov 2018 14:14

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.8	80.4
134	25.9	13.3	39.8

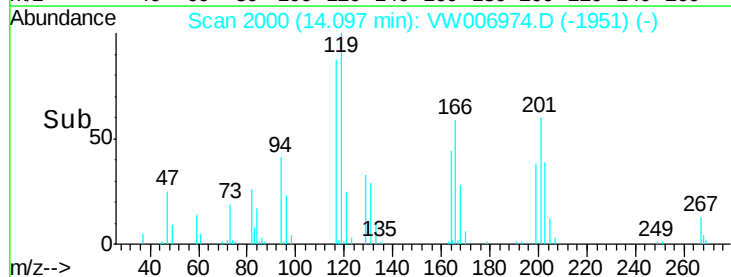
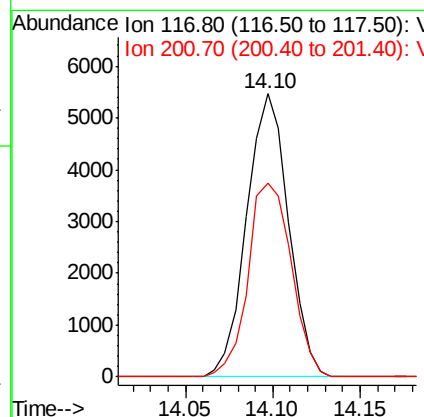
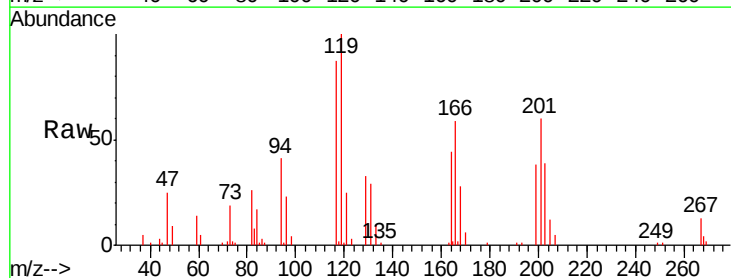
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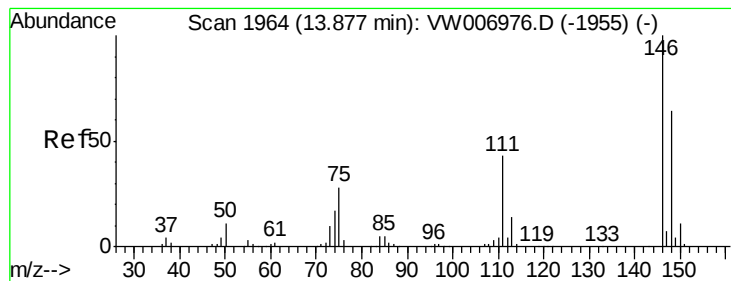
MMDadoda
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#90
Hexachloroethane
Concen: 9.20 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW006974.D
Acq: 20 Nov 2018 14:14

Tgt Ion	Ratio	Lower	Upper
117	100		
201	70.9	35.9	107.5





#91

1,2-Dichlorobenzene

Concen: 9.88 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.01 min

Lab File: VW006974.D

Acq: 20 Nov 2018 14:14

Instrument :

MSVOA_W

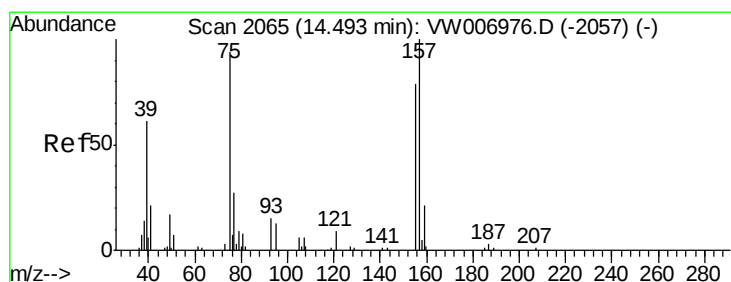
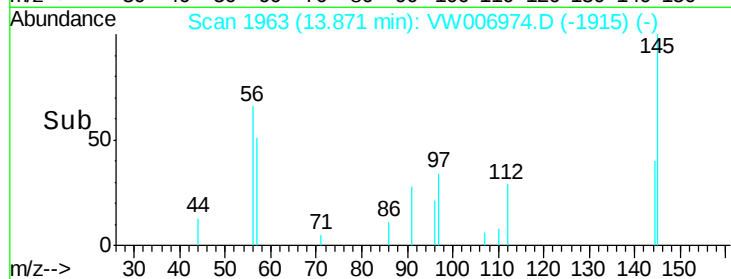
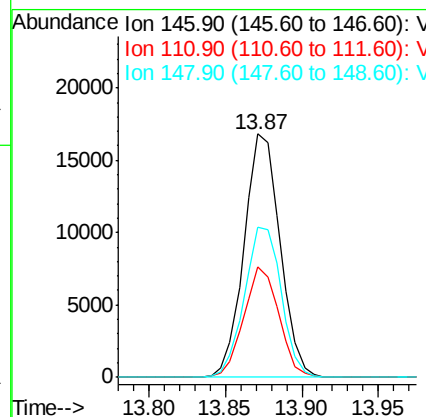
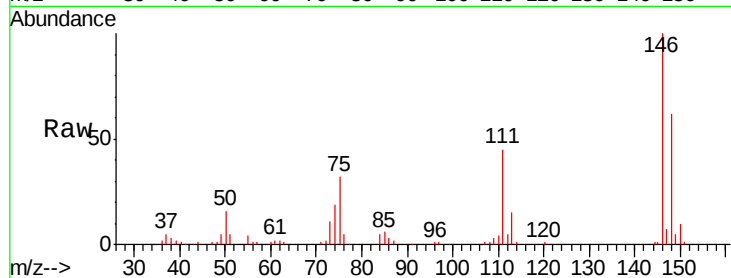
ClientSampleId :

VSTDIC010

Tgt Ion:	146	Resp:	27531
Ion Ratio	Lower	Upper	
146	100		
111	44.3	21.9	65.7
148	62.9	32.2	96.6

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#92

1,2-Dibromo-3-Chloropropane

Concen: 10.00 ug/l

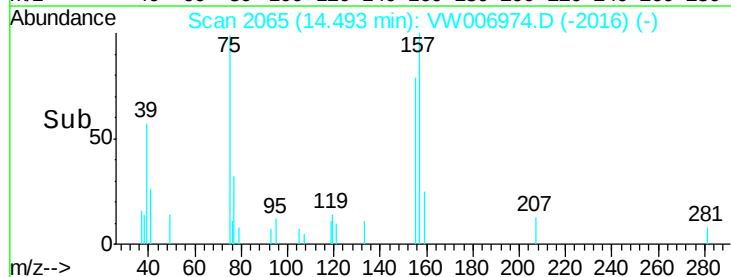
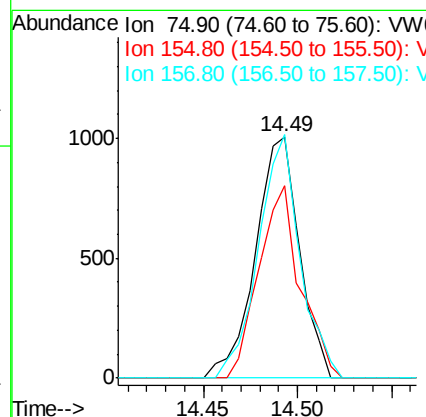
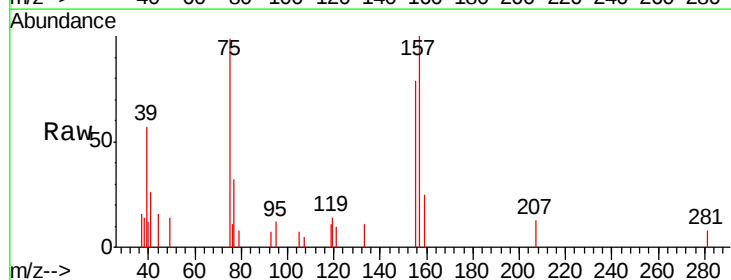
RT: 14.49 min Scan# 2065

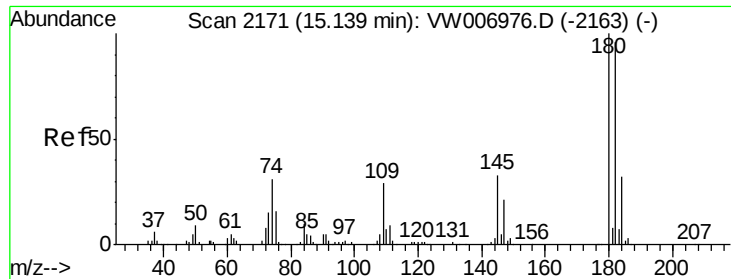
Delta R.T. 0.00 min

Lab File: VW006974.D

Acq: 20 Nov 2018 14:14

Tgt Ion:	75	Resp:	1631
Ion Ratio	Lower	Upper	
75	100		
155	75.7	42.6	127.8
157	95.3	55.0	165.0





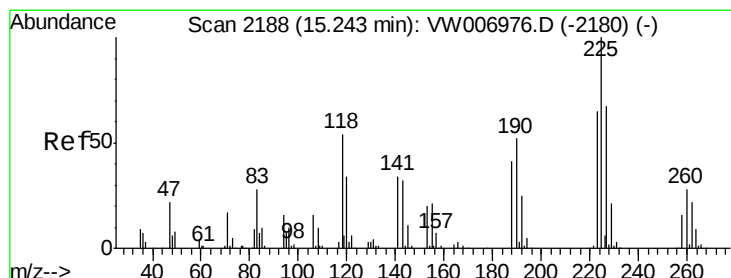
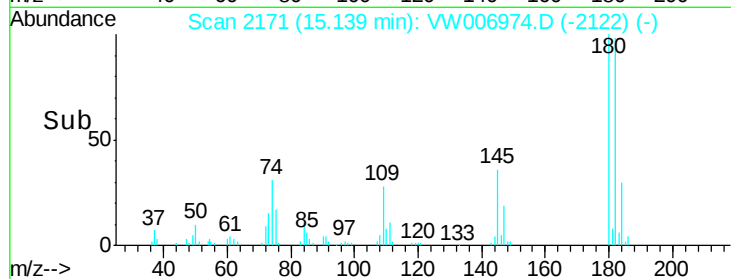
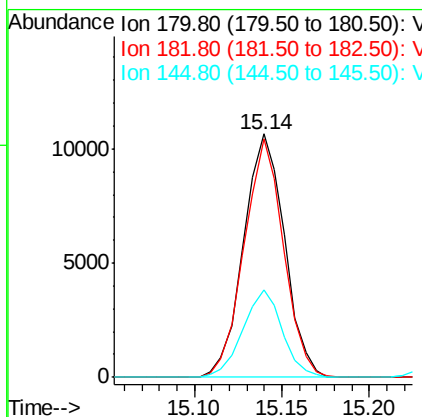
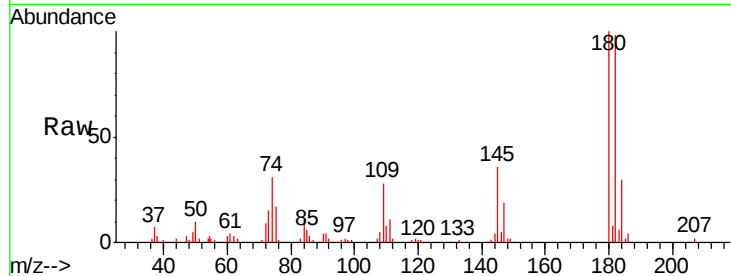
#93
1,2,4-Trichlorobenzene
Concen: 9.49 ug/l
RT: 15.14 min Scan# 2171
Delta R.T. 0.00 min
Lab File: VW006974.D
Acq: 20 Nov 2018 14:14

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.1	47.1	141.3
145	34.6	16.5	49.5

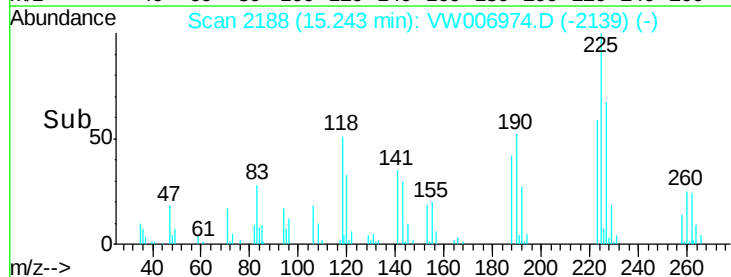
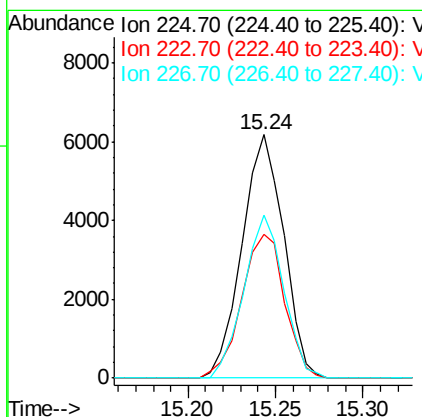
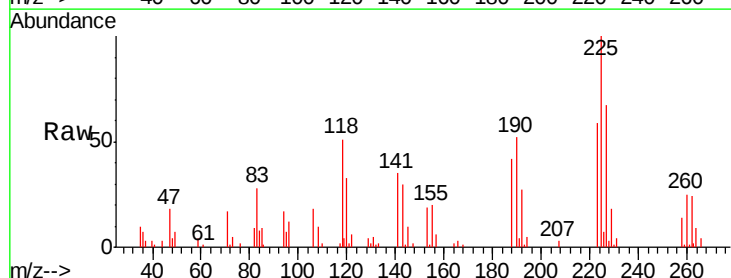
Manual Integrations
APPROVED

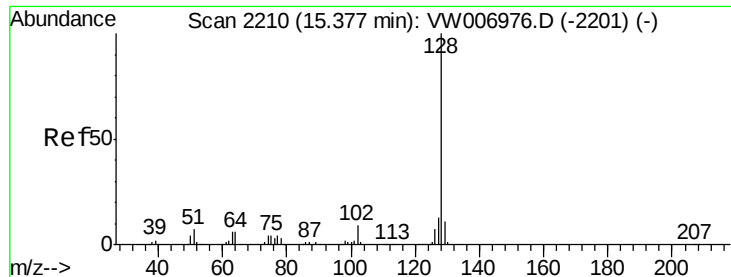
MMDadoda
11/21/2018 11:32:32 AM



#94
Hexachlorobutadiene
Concen: 10.23 ug/l
RT: 15.24 min Scan# 2188
Delta R.T. 0.00 min
Lab File: VW006974.D
Acq: 20 Nov 2018 14:14

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.0	32.4	97.0
227	64.0	31.9	95.5





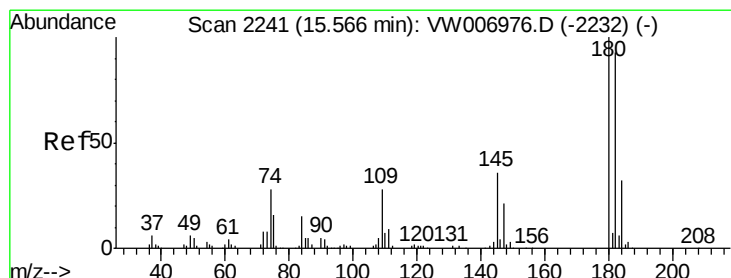
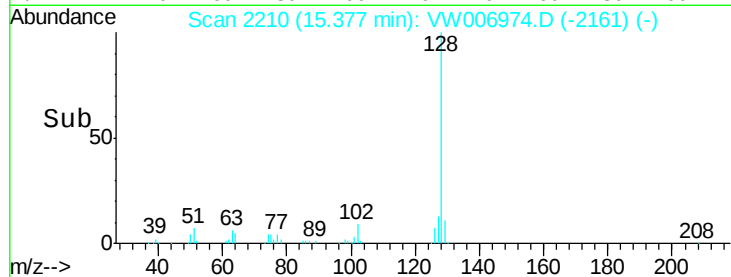
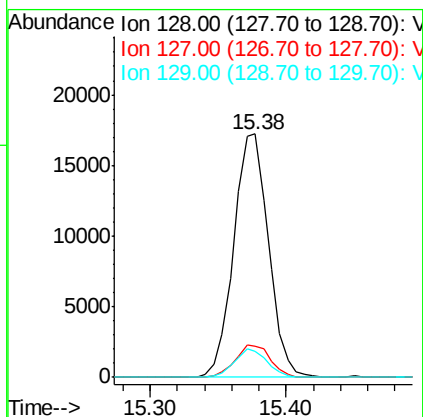
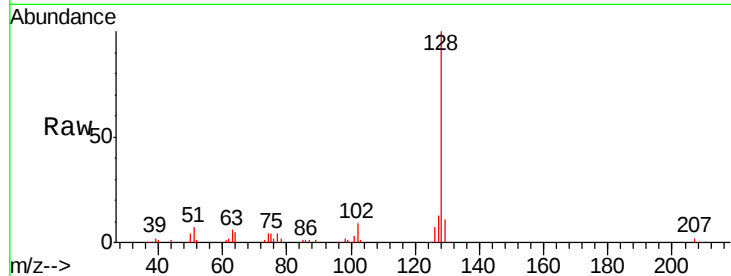
#95
Naphthalene
Concen: 9.20 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW006974.D
Acq: 20 Nov 2018 14:14

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.5	15.7
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
11/21/2018 11:32:32 AM



#96
1,2,3-Trichlorobenzene
Concen: 9.24 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.01 min
Lab File: VW006974.D
Acq: 20 Nov 2018 14:14

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.4	47.0	141.2
145	36.8	18.0	54.0

