

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW120418\
 Data File : VW007184.D
 Acq On : 04 Dec 2018 13:20
 Operator : SY/AP
 Sample : VSTDICC100
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

apatel
 12/5/2018 12:43:43 PM

Quant Time: Dec 05 01:04:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W120418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 05 00:43:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	112599	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	174986	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	159591	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	81437	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	109592	104.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	209.08%	
35) Dibromofluoromethane	7.88	113	106558	106.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	212.70%	
50) Toluene-d8	10.33	98	446814	101.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	202.46%	
62) 4-Bromofluorobenzene	12.62	95	162059	97.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	194.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	106450	86.410	ug/l	98
3) Chloromethane	2.22	50	135917	87.122	ug/l	99
4) Vinyl Chloride	2.36	62	89666	91.796	ug/l	98
5) Bromomethane	2.75	94	45536	93.031	ug/l	96
6) Chloroethane	2.91	64	51357	93.706	ug/l	95
7) Trichlorofluoromethane	3.26	101	187998	98.718	ug/l	99
8) Diethyl Ether	3.69	74	54588	102.834	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	111642	97.045	ug/l	98
10) Methyl Iodide	4.27	142	105748	107.906	ug/l	99
11) Tert butyl alcohol	5.17	59	46120	376.934	ug/l	98
12) 1,1-Dichloroethene	4.04	96	105577	97.929	ug/l	99
13) Acrolein	3.90	56	37208	506.529	ug/l	99
14) Allyl chloride	4.67	41	171044	98.978	ug/l	99
15) Acrylonitrile	5.37	53	116448	524.741	ug/l	98
16) Acetone	4.12	43	129544	521.979	ug/l	99
17) Carbon Disulfide	4.39	76	357320	100.548	ug/l	100
18) Methyl Acetate	4.68	43	58148	102.646	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	258839	101.973	ug/l	99
20) Methylene Chloride	4.92	84	117754	79.788	ug/l	99
21) trans-1,2-Dichloroethene	5.43	96	120912	100.442	ug/l	98
22) Diisopropyl ether	6.32	45	300879	96.988	ug/l	95
23) Vinyl Acetate	6.26	43	841540	497.155	ug/l	97
24) 1,1-Dichloroethane	6.22	63	198738	99.952	ug/l	100
25) 2-Butanone	7.18	43	145971	507.391	ug/l	98
26) 2,2-Dichloropropane	7.17	77	183969	96.281	ug/l	100
27) cis-1,2-Dichloroethene	7.18	96	128564	99.625	ug/l	99
28) Bromochloromethane	7.52	49	69483	96.914	ug/l	99
29) Tetrahydrofuran	7.53	42	93428	525.527	ug/l	99
30) Chloroform	7.68	83	208226	100.766	ug/l	98
31) Cyclohexane	7.96	56	185459	89.147	ug/l	99
32) 1,1,1-Trichloroethane	7.88	97	189537	97.465	ug/l	99
36) 1,1-Dichloropropene	8.09	75	164236	96.459	ug/l	99
37) Ethyl Acetate	7.26	43	62466	101.424	ug/l	98
38) Carbon Tetrachloride	8.07	117	168745	97.100	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	218271	95.763	ug/l	96
40) Benzene	8.33	78	464174	99.419	ug/l	100
41) Methacrylonitrile	7.49	41	35719	96.825	ug/l	91
42) 1,2-Dichloroethane	8.40	62	131139	100.501	ug/l	99
43) Isopropyl Acetate	8.43	43	124950	104.458	ug/l	99
44) Trichloroethene	9.09	130	129067	98.346	ug/l	98
45) 1,2-Dichloropropane	9.37	63	106471	97.996	ug/l	92
46) Dibromomethane	9.46	93	57364	101.607	ug/l	99
47) Bromodichloromethane	9.65	83	147690	99.451	ug/l	99
48) Methyl methacrylate	9.44	41	63549	102.362	ug/l	97
49) 1,4-Dioxane	9.45	88	19498	1977.003	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	307353	521.396	ug/l	100
52) Toluene	10.39	92	313371	96.489	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	153398	102.741	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	176576	100.915	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	81563	101.566	ug/l	97
56) Ethyl methacrylate	10.65	69	107902	103.006	ug/l	99
57) 1,3-Dichloropropane	10.93	76	135191	99.714	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.93	63	214300	509.322	ug/l	99
59) 2-Hexanone	10.97	43	229345	536.700	ug/l	98
60) Dibromochloromethane	11.13	129	103012	104.370	ug/l	94
61) 1,2-Dibromoethane	11.24	107	78160	101.475	ug/l	98
64) Tetrachloroethene	10.87	164	110341	94.632	ug/l	95
65) Chlorobenzene	11.66	112	342486	96.089	ug/l	91
66) 1,1,1,2-Tetrachloroethane	11.73	131	109602	99.568	ug/l	98
67) Ethyl Benzene	11.74	91	622279	95.791	ug/l	98
68) m/p-Xylenes	11.84	106	481852	189.073	ug/l	97
69) o-Xylene	12.17	106	227711	95.635	ug/l	99
70) Styrene	12.18	104	375792	96.414	ug/l	99
71) Bromoform	12.35	173	57629	104.582	ug/l #	99
73) Isopropylbenzene	12.47	105	636273	96.062	ug/l	100
74) N-amyl acetate	12.27	43	114549	97.543	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.72	83	85205	99.051	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	67662m	61.817	ug/l	
77) Bromobenzene	12.75	156	136298	95.332	ug/l	99
78) n-propylbenzene	12.81	91	727457	92.187	ug/l	99
79) 2-Chlorotoluene	12.90	91	416456	93.457	ug/l	97
80) 1,3,5-Trimethylbenzene	12.95	105	534966	94.412	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	29809	101.890	ug/l	98
82) 4-Chlorotoluene	12.99	91	446095	94.101	ug/l	97
83) tert-Butylbenzene	13.21	119	472723	95.466	ug/l	96
84) 1,2,4-Trimethylbenzene	13.26	105	536774	92.803	ug/l	97
85) sec-Butylbenzene	13.39	105	671505	94.991	ug/l	99
86) p-Isopropyltoluene	13.51	119	606293	96.345	ug/l	97
87) 1,3-Dichlorobenzene	13.51	146	280298	95.502	ug/l	96
88) 1,4-Dichlorobenzene	13.58	146	277703	93.671	ug/l	97
89) n-Butylbenzene	13.83	91	553836	94.181	ug/l	99
90) Hexachloroethane	14.10	117	93526	97.528	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	243612	95.879	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	16970	101.837	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	171792	97.563	ug/l	99
94) Hexachlorobutadiene	15.24	225	89602	94.364	ug/l	99
95) Naphthalene	15.38	128	321384	101.841	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	146773	98.853	ug/l	100

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

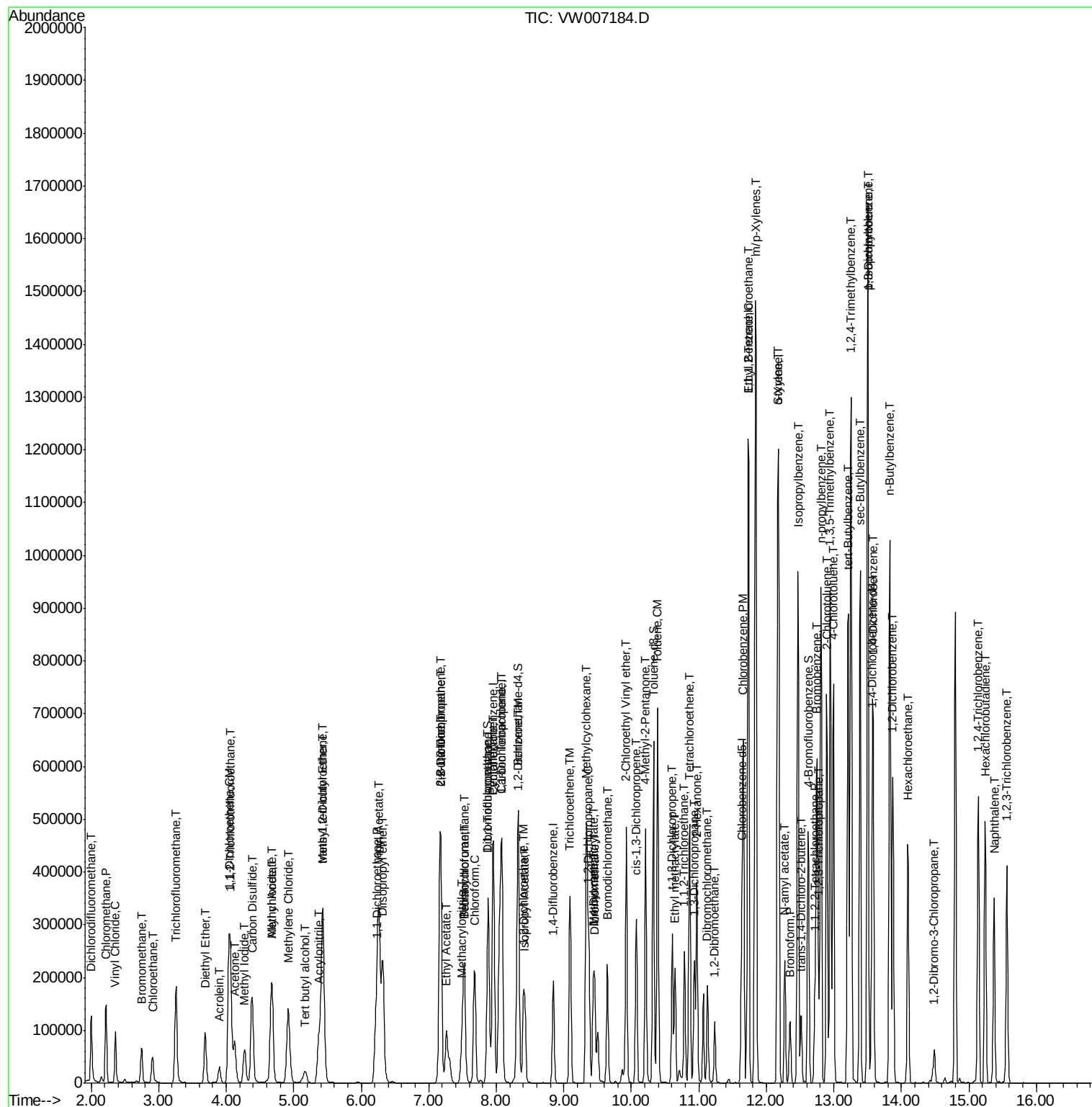
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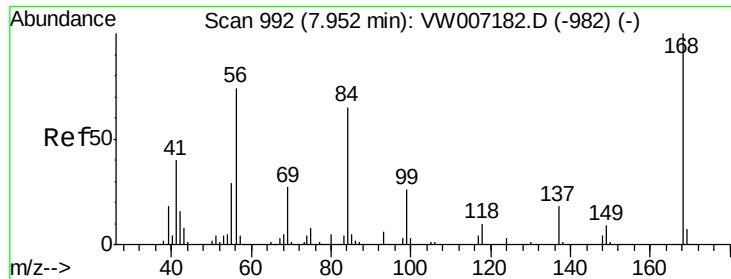
Instrument :
MSVOA_W
ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW007184.D

Acq: 04 Dec 2018 13:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tgt Ion: 168 Resp: 112599

Ion Ratio Lower Upper

168 100

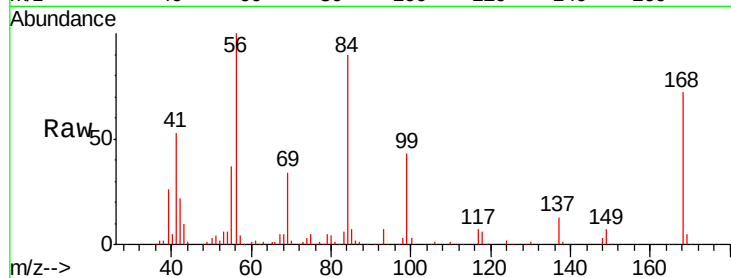
99 59.7 47.8 71.8

Manual Integrations

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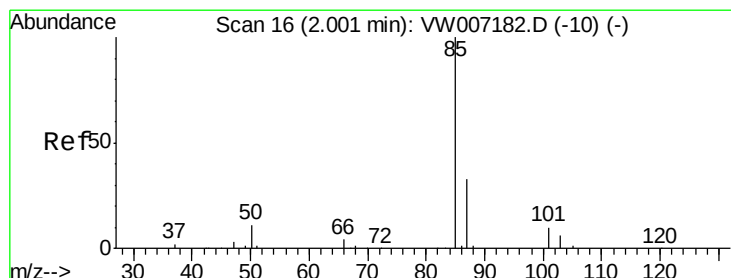
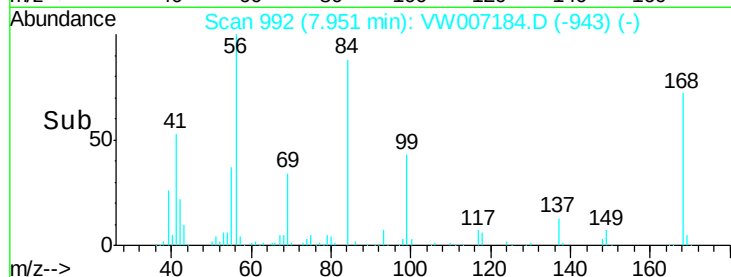
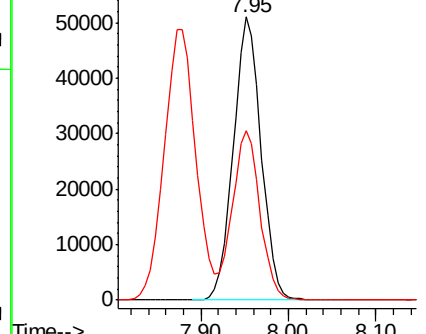
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 86.410 ug/l

RT: 2.00 min Scan# 16

Delta R.T. -0.00 min

Lab File: VW007184.D

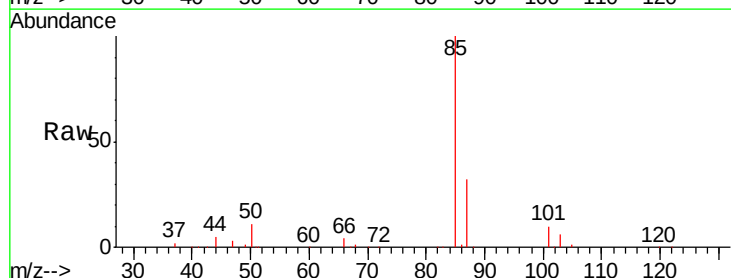
Acq: 04 Dec 2018 13:20

Tgt Ion: 85 Resp: 106450

Ion Ratio Lower Upper

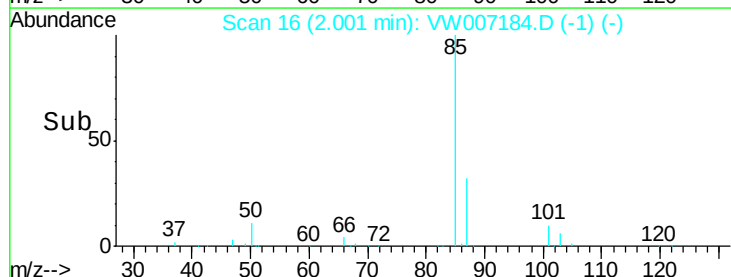
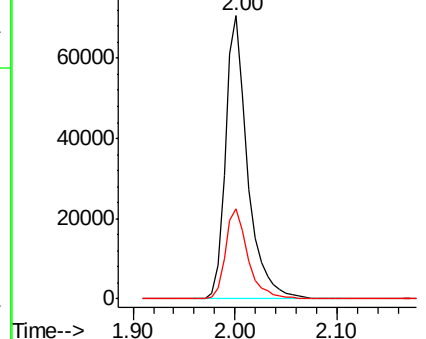
85 100

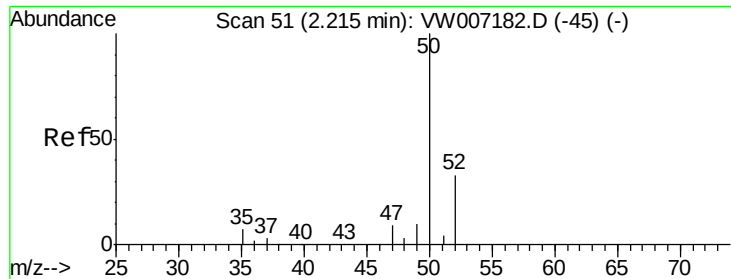
87 32.0 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 87.122 ug/l

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW007184.D

Acq: 04 Dec 2018 13:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tgt Ion: 50 Resp: 135917

Ion Ratio Lower Upper

50 100

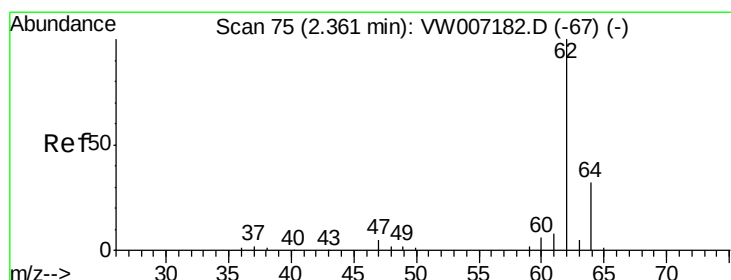
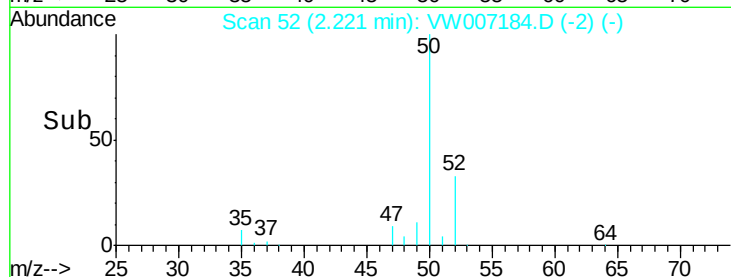
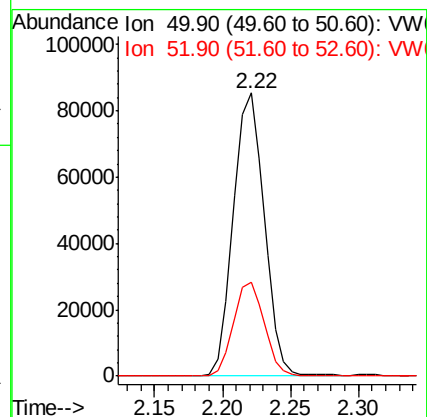
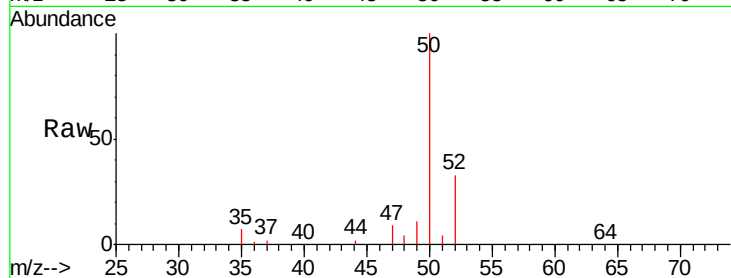
52 33.2 26.2 39.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 91.796 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW007184.D

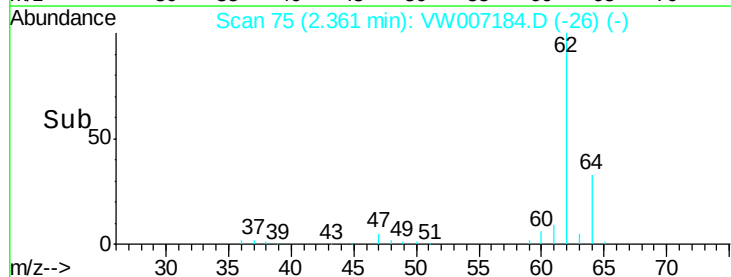
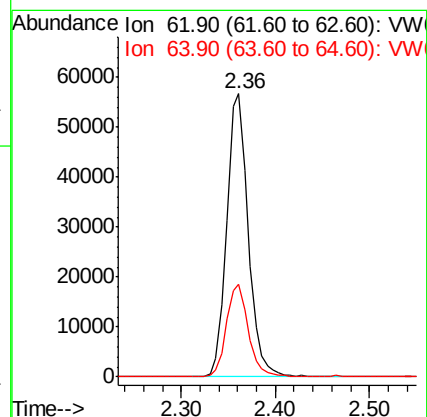
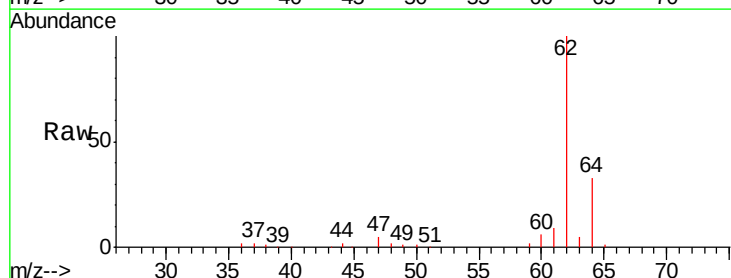
Acq: 04 Dec 2018 13:20

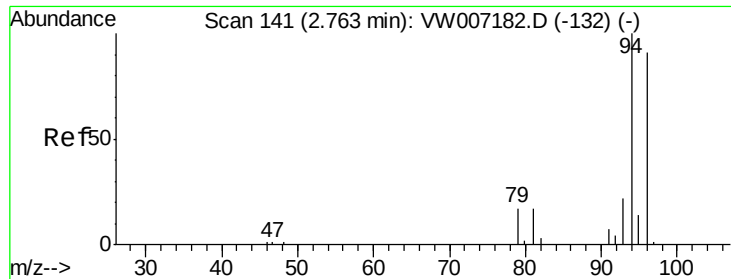
Tgt Ion: 62 Resp: 89666

Ion Ratio Lower Upper

62 100

64 32.5 25.3 37.9





#5

Bromomethane

Concen: 93.031 ug/l

RT: 2.75 min Scan# 138

Delta R.T. -0.02 min

Lab File: VW007184.D

Acq: 04 Dec 2018 13:20

Instrument :

MSVOA_W

ClientSampled :

VSTDIC100

Tgt Ion: 94 Resp: 45536

Ion Ratio Lower Upper

94 100

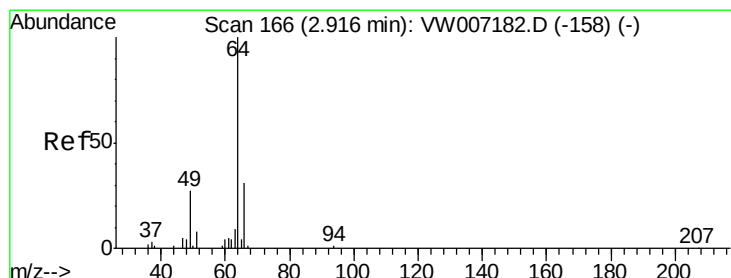
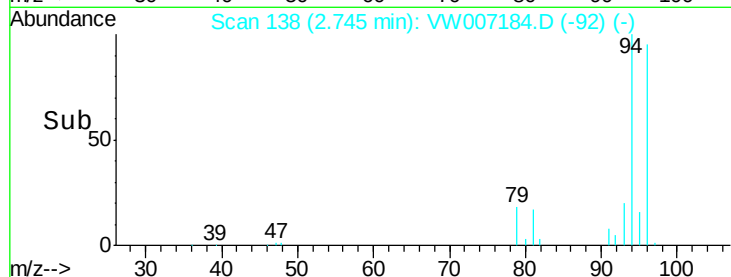
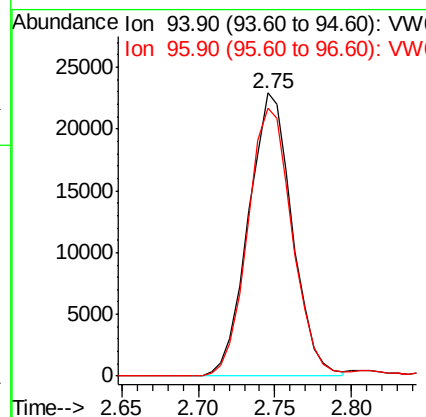
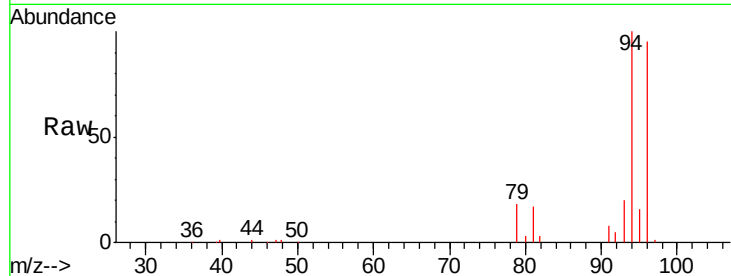
96 94.8 72.8 109.2

Manual Integrations

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#6

Chloroethane

Concen: 93.706 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW007184.D

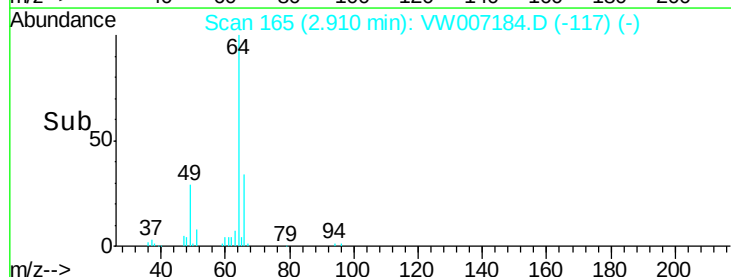
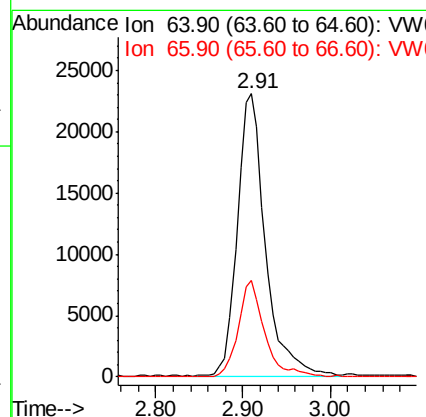
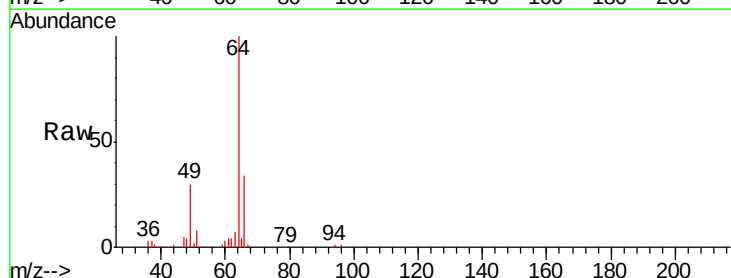
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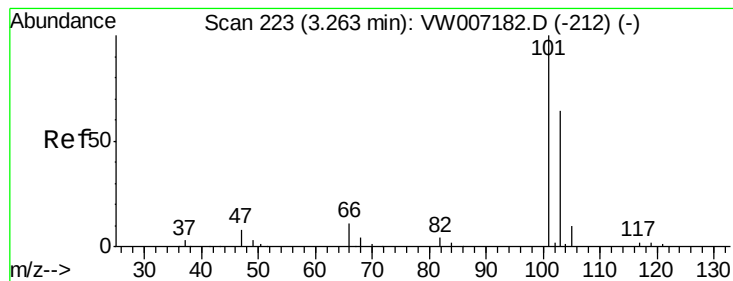
Tgt Ion: 64 Resp: 51357

Ion Ratio Lower Upper

64 100

66 34.3 25.0 37.6





#7

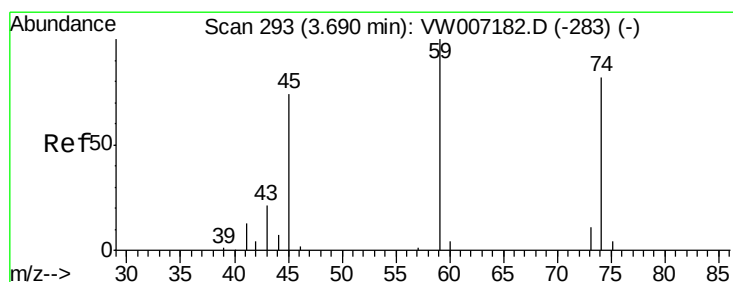
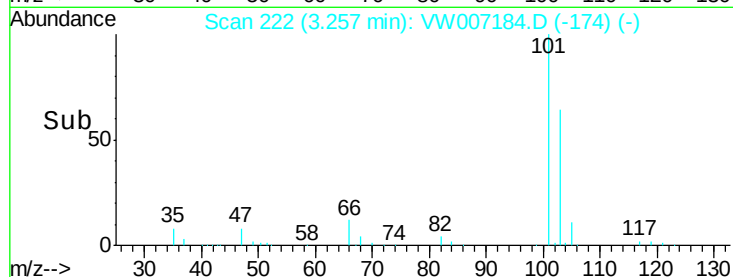
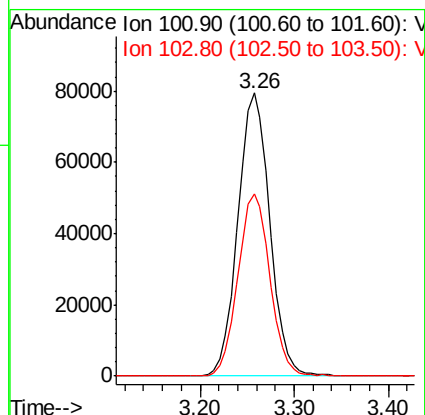
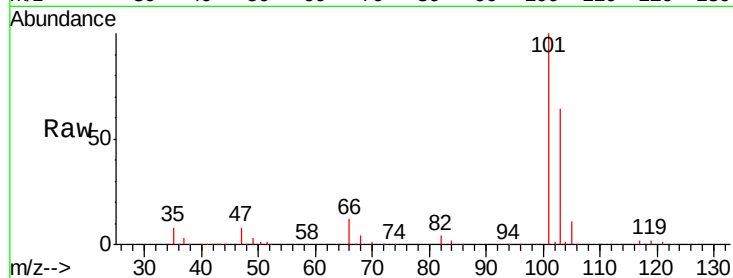
Trichlorofluoromethane
Concen: 98.718 ug/l
RT: 3.26 min Scan# 222
Delta R.T. -0.01 min
Lab File: VW007184.D
Acq: 04 Dec 2018 13:20

Instrument :
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ClientSampleId :
VSTDIC100

Tgt Ion: 101 Resp: 187998
Ion Ratio Lower Upper
101 100
103 64.5 50.9 76.3

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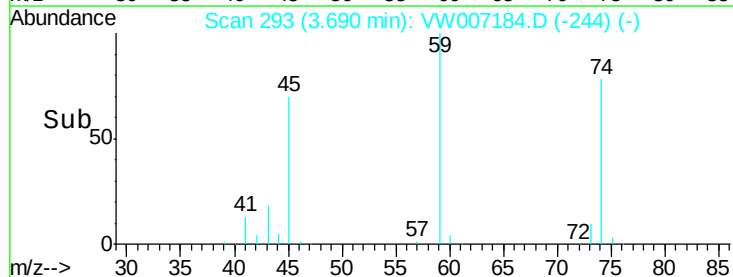
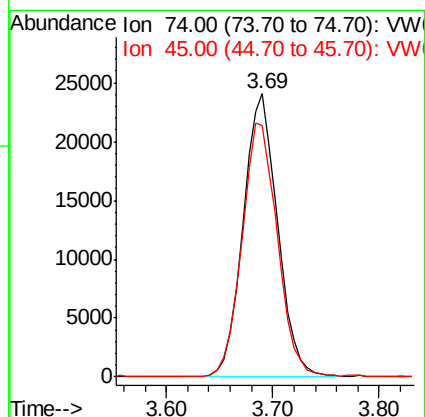
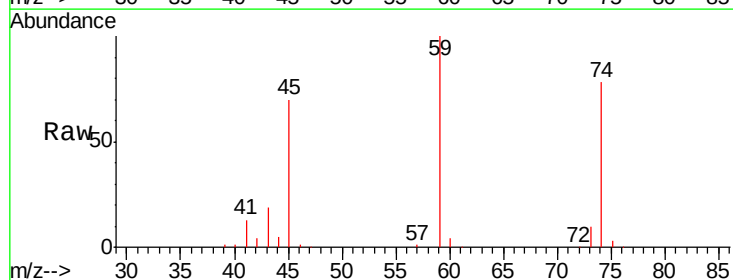
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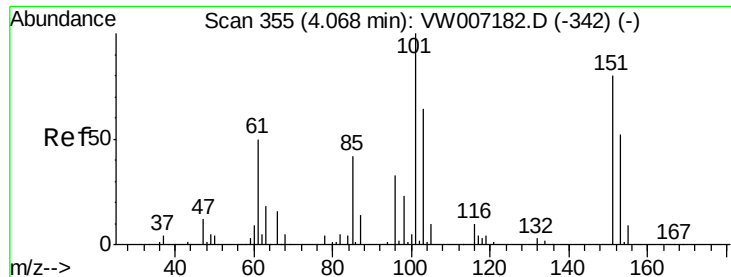


#8

Diethyl Ether
Concen: 102.834 ug/l
RT: 3.69 min Scan# 293
Delta R.T. -0.00 min
Lab File: VW007184.D
Acq: 04 Dec 2018 13:20

Tgt Ion: 74 Resp: 54588
Ion Ratio Lower Upper
74 100
45 92.6 47.2 141.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 97.045 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW007184.D

Acq: 04 Dec 2018 13:20

Instrument :

MSVOA_W

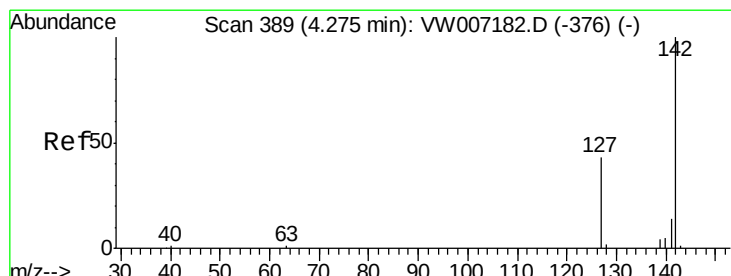
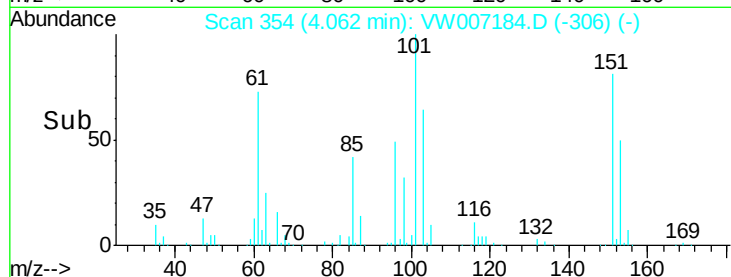
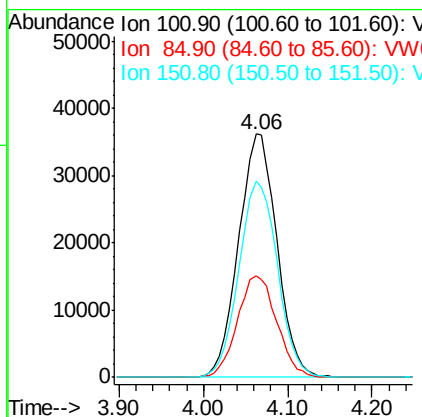
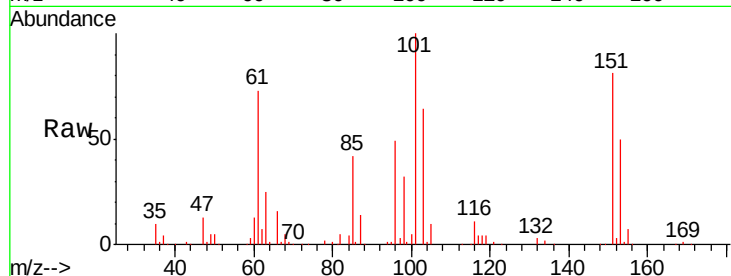
ClientSampleId :

VSTDIC100

Tgt Ion:	101	Resp:	111642
Ion Ratio	Lower	Upper	
101	100		
85	42.5	33.4	50.2
151	81.7	63.9	95.9

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#10

Methyl Iodide

Concen: 107.906 ug/l

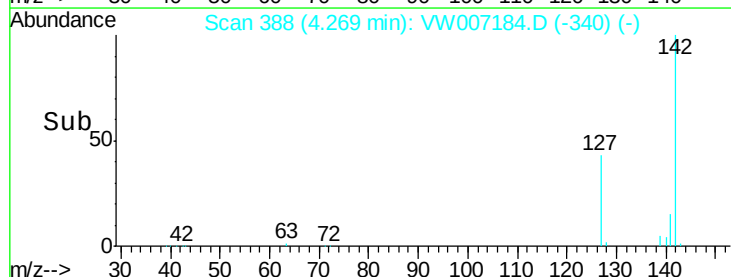
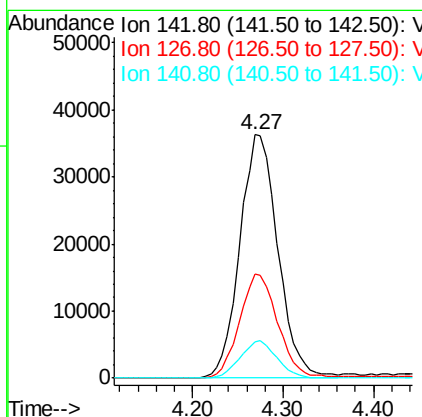
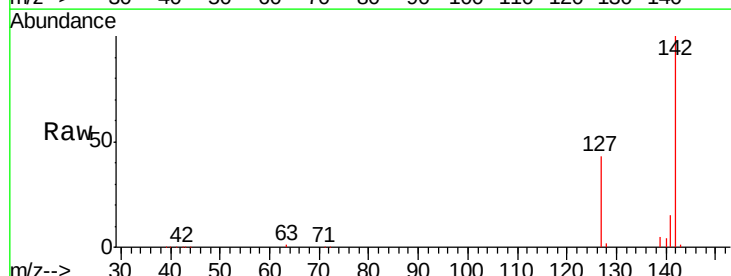
RT: 4.27 min Scan# 388

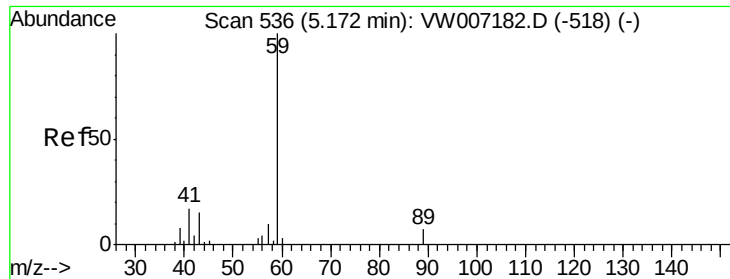
Delta R.T. -0.01 min

Lab File: VW007184.D

Acq: 04 Dec 2018 13:20

Tgt Ion:	142	Resp:	105748
Ion Ratio	Lower	Upper	
142	100		
127	42.8	34.9	52.3
141	14.8	11.7	17.5





#11

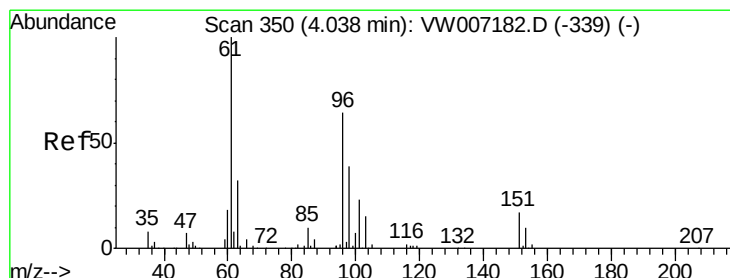
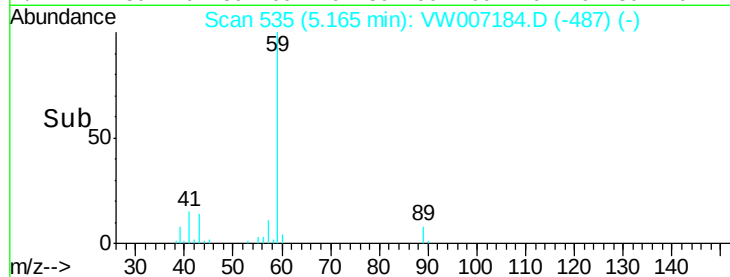
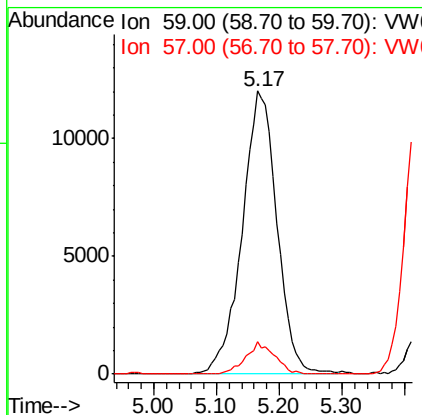
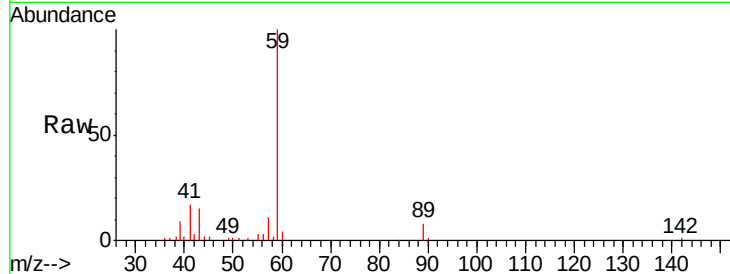
Tert butyl alcohol
 Concen: 376.934 ug/l
 RT: 5.17 min Scan# 535
 Delta R.T. -0.01 min
 Lab File: VW007184.D
 Acq: 04 Dec 2018 13:20

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC100

Tgt Ion	Ratio	Lower	Upper
59	100		
57	9.5	7.1	10.7

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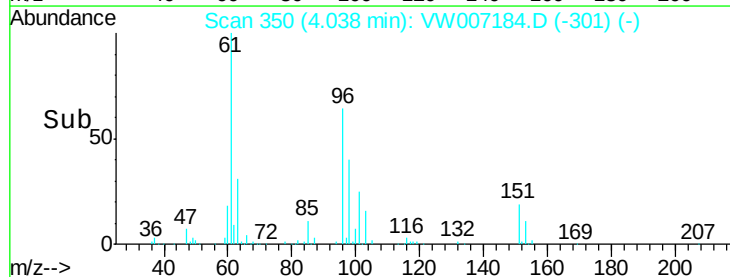
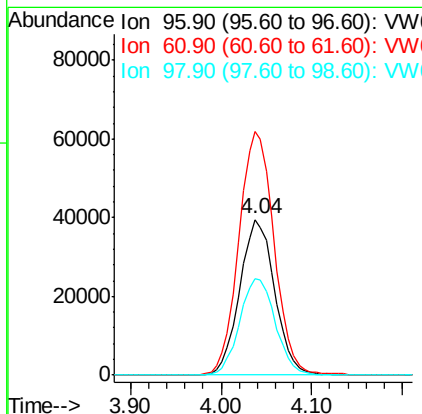
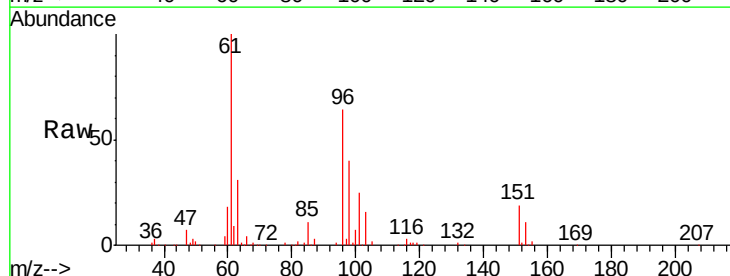
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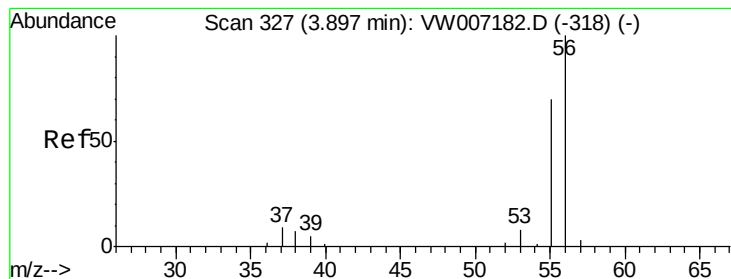


#12

1,1-Dichloroethene
 Concen: 97.929 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.00 min
 Lab File: VW007184.D
 Acq: 04 Dec 2018 13:20

Tgt Ion	Ratio	Lower	Upper
96	100		
61	156.4	124.1	186.1
98	62.1	48.6	72.8





#13

Acrolein

Concen: 506.529 ug/l

RT: 3.90 min Scan# 327

Delta R.T. -0.00 min

Lab File: VW007184.D

Acq: 04 Dec 2018 13:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tgt Ion: 56 Resp: 37208

Ion Ratio Lower Upper

56 100

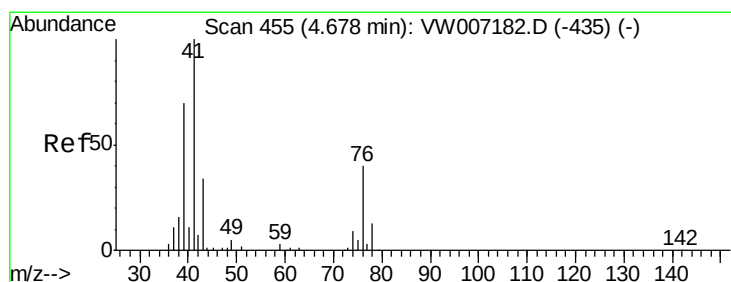
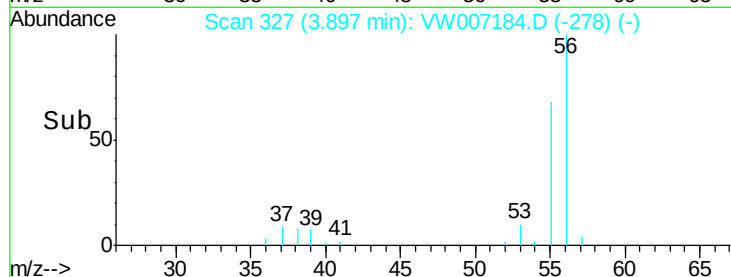
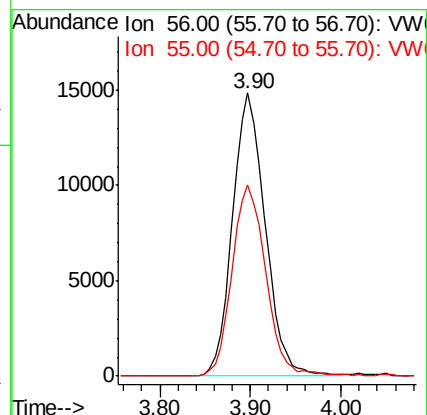
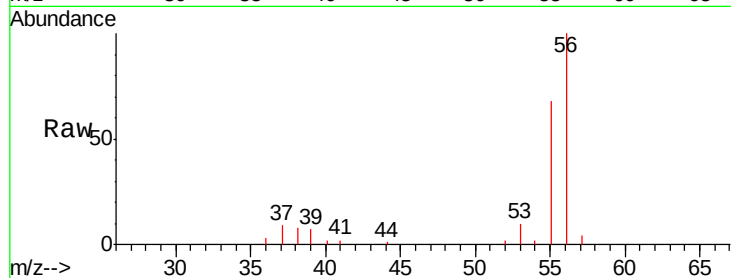
55 69.9 56.9 85.3

Manual Integrations

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#14

Allyl chloride

Concen: 98.978 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.01 min

Lab File: VW007184.D

Acq: 04 Dec 2018 13:20

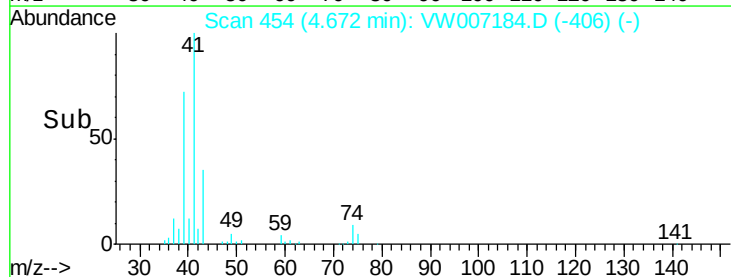
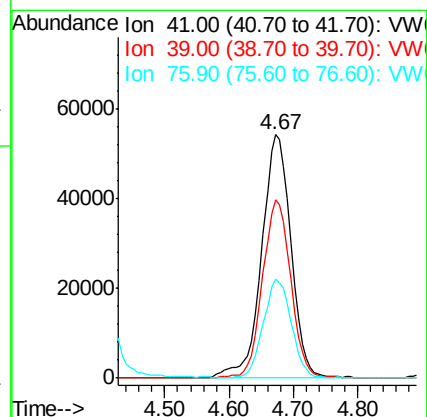
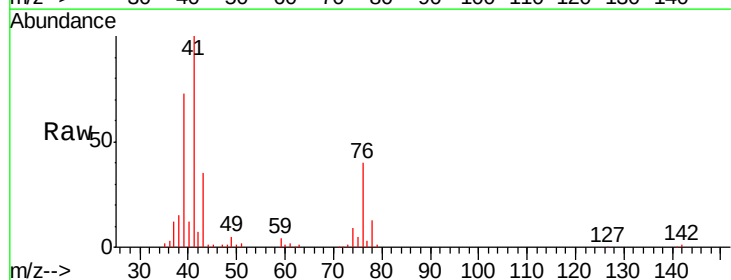
Tgt Ion: 41 Resp: 171044

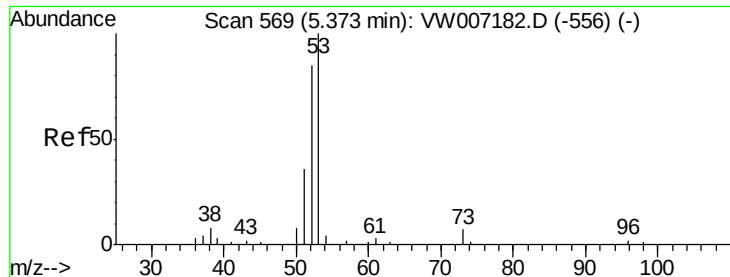
Ion Ratio Lower Upper

41 100

39 70.6 55.9 83.9

76 39.0 30.8 46.2





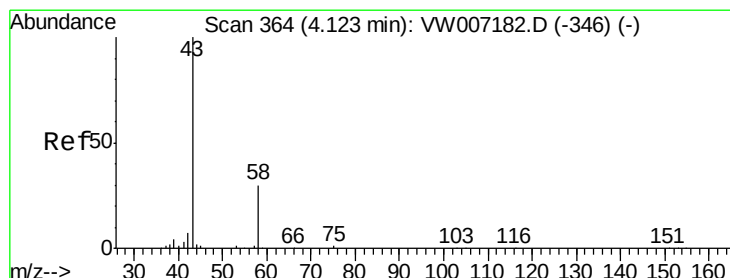
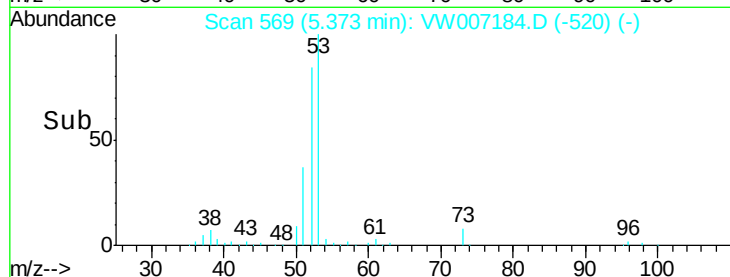
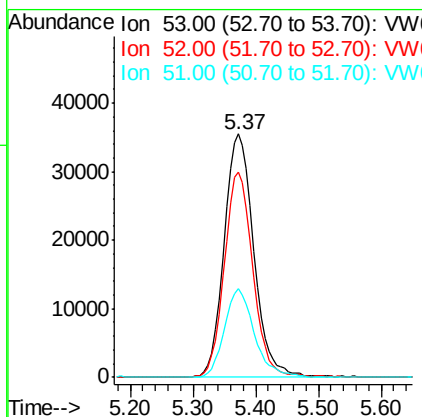
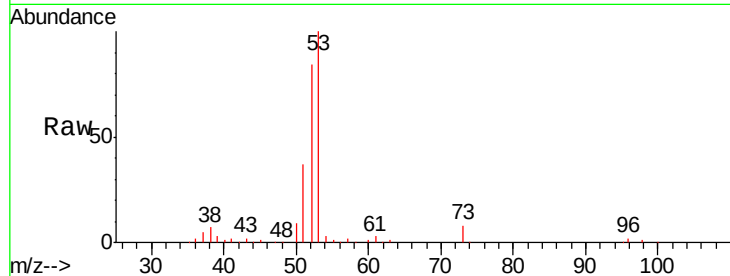
#15
 Acrylonitrile
 Concen: 524.741 ug/l
 RT: 5.37 min Scan# 569
 Delta R.T. -0.00 min
 Lab File: VW007184.D
 Acq: 04 Dec 2018 13:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tgt Ion	Ratio	Lower	Upper
53	100		
52	81.0	66.1	99.1
51	36.7	30.3	45.5

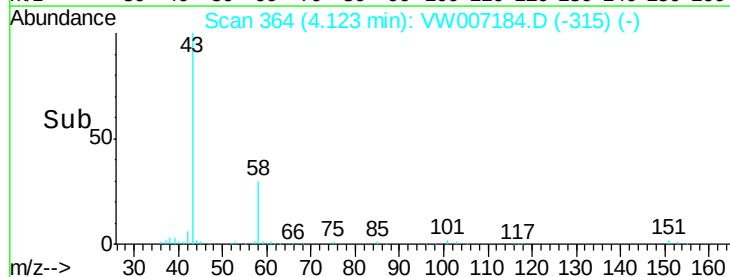
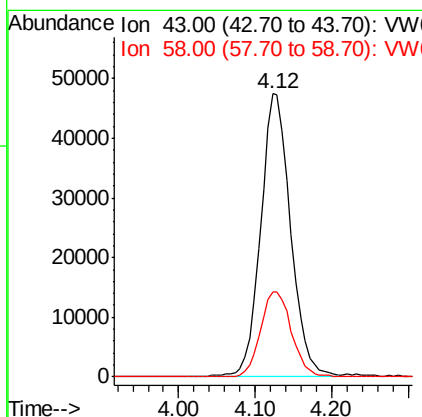
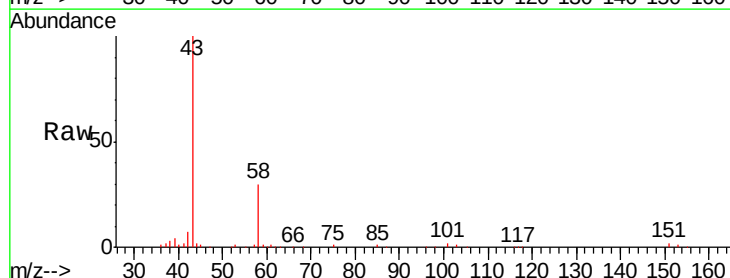
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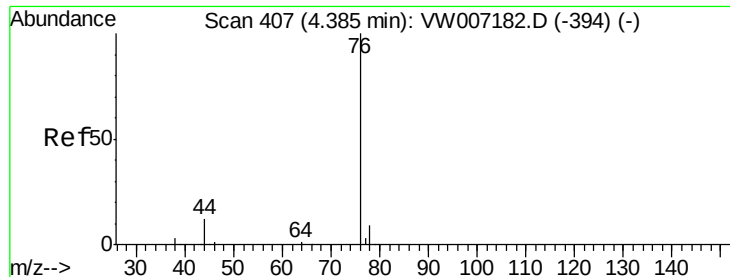
apatel
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#16
 Acetone
 Concen: 521.979 ug/l
 RT: 4.12 min Scan# 364
 Delta R.T. -0.00 min
 Lab File: VW007184.D
 Acq: 04 Dec 2018 13:20

Tgt Ion	Ratio	Lower	Upper
43	100		
58	30.2	23.8	35.8





#17

Carbon Disulfide

Concen: 100.548 ug/l

RT: 4.39 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW007184.D

Acq: 04 Dec 2018 13:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC100

Tgt Ion: 76 Resp: 357320

Ion Ratio Lower Upper

76 100

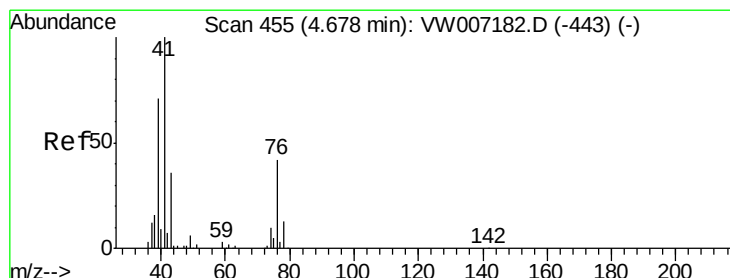
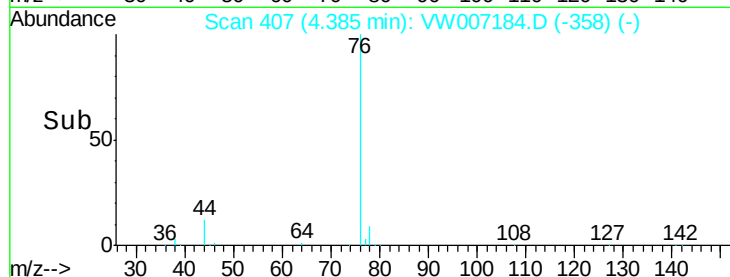
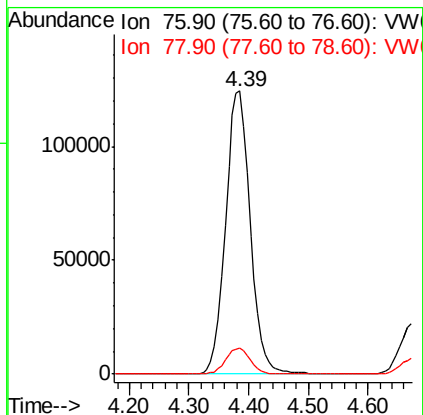
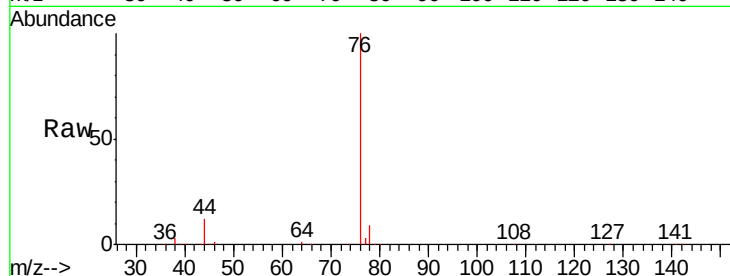
78 9.1 7.2 10.8

Manual Integrations

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#18

Methyl Acetate

Concen: 102.646 ug/l

RT: 4.68 min Scan# 455

Delta R.T. -0.00 min

Lab File: VW007184.D

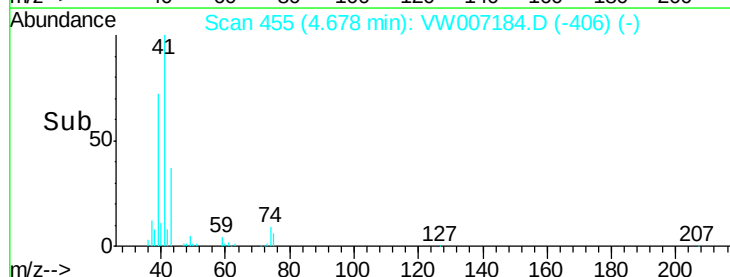
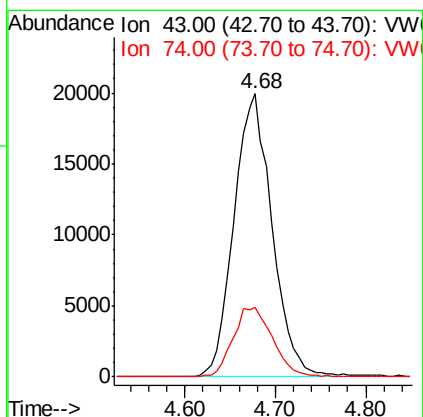
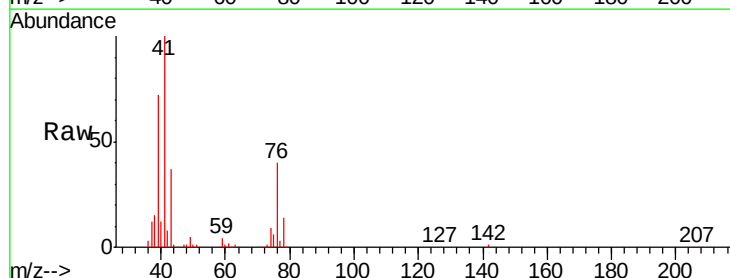
Acq: 04 Dec 2018 13:20

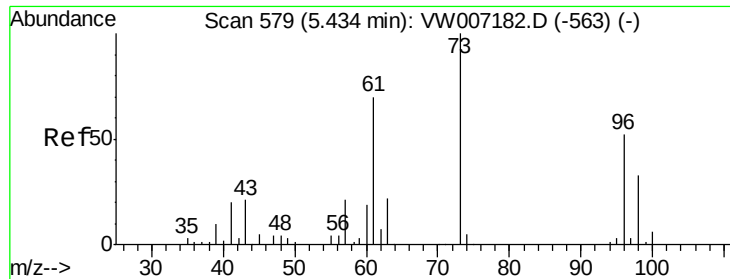
Tgt Ion: 43 Resp: 58148

Ion Ratio Lower Upper

43 100

74 25.6 20.1 30.1





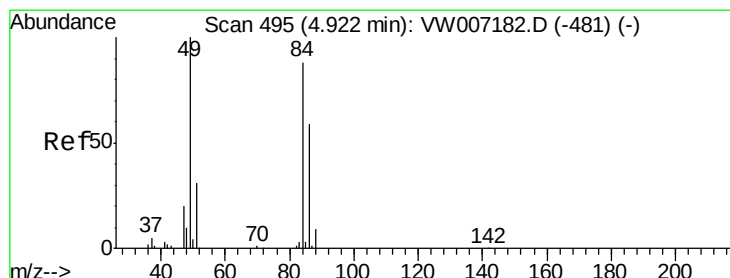
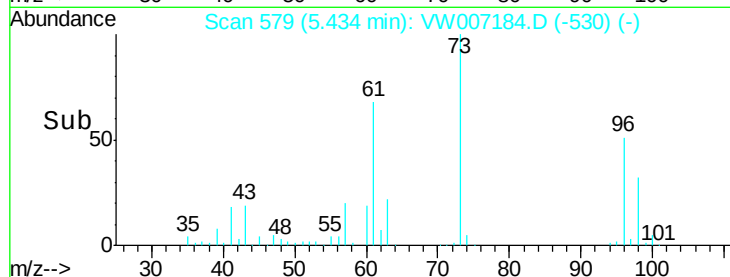
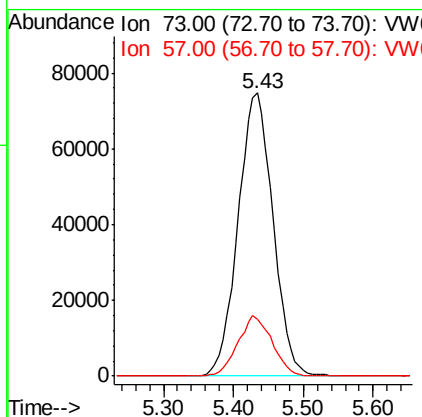
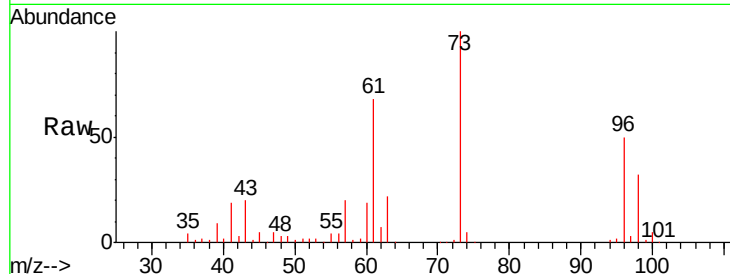
#19
Methyl tert-butyl Ether
Concen: 101.973 ug/l
RT: 5.43 min Scan# 579
Delta R.T. -0.00 min
Lab File: VW007184.D
Acq: 04 Dec 2018 13:20

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tgt Ion: 73 Resp: 258839
Ion Ratio Lower Upper
73 100
57 20.1 16.6 25.0

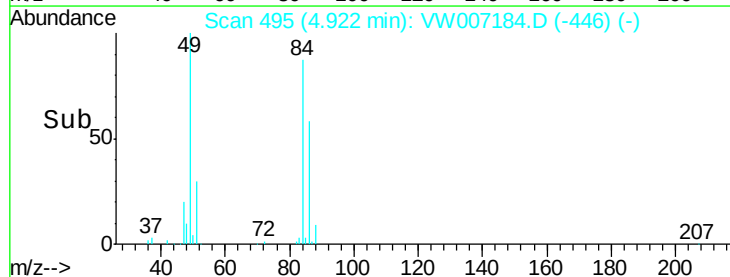
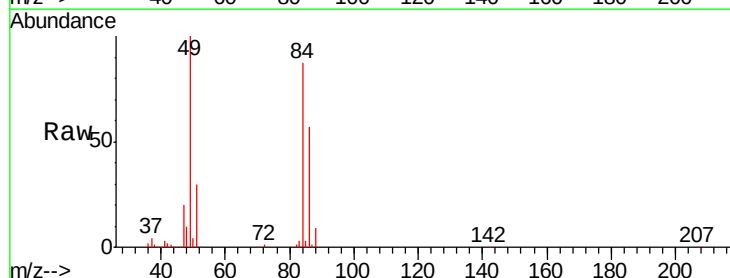
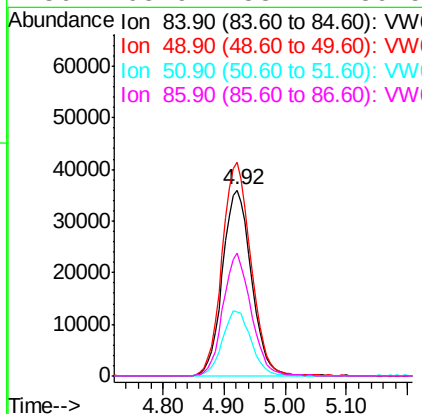
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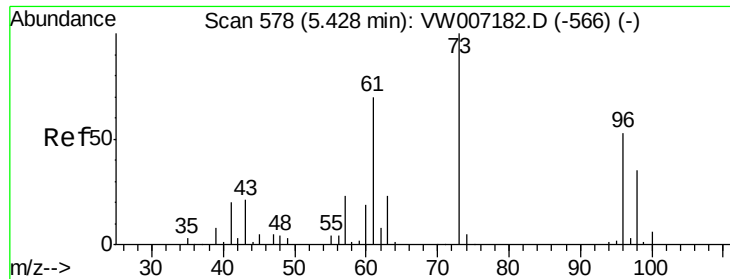
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#20
Methylene Chloride
Concen: 79.788 ug/l
RT: 4.92 min Scan# 495
Delta R.T. -0.00 min
Lab File: VW007184.D
Acq: 04 Dec 2018 13:20

Tgt Ion: 84 Resp: 117754
Ion Ratio Lower Upper
84 100
49 114.6 90.6 135.8
51 34.5 27.6 41.4
86 65.9 53.7 80.5





#21

trans-1,2-Dichloroethene

Concen: 100.442 ug/l

RT: 5.43 min Scan# 578

Delta R.T. -0.00 min

Lab File: VW007184.D

Acq: 04 Dec 2018 13:20

Instrument :

MSVOA_W

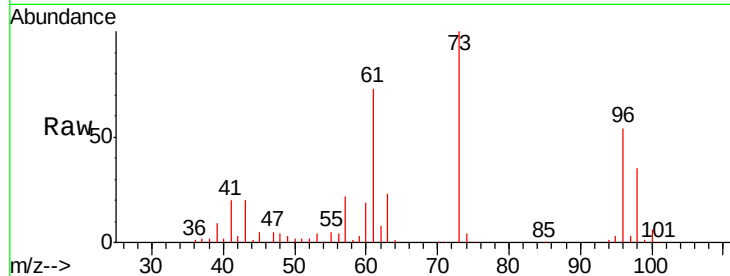
ClientSampled :

VSTDIC100

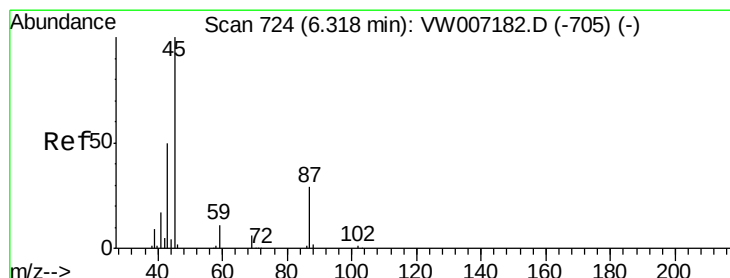
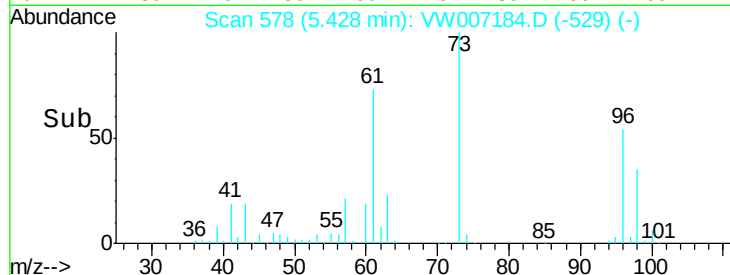
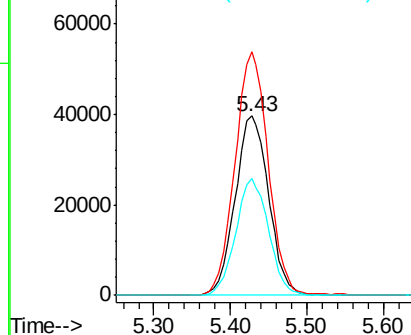
Tgt Ion:	96	Resp:	120912
Ion	Ratio	Lower	Upper
96	100		
61	135.7	105.5	158.3
98	65.2	52.6	79.0

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Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 96.988 ug/l

RT: 6.32 min Scan# 725

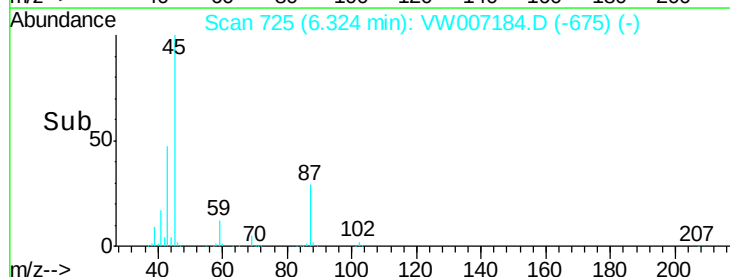
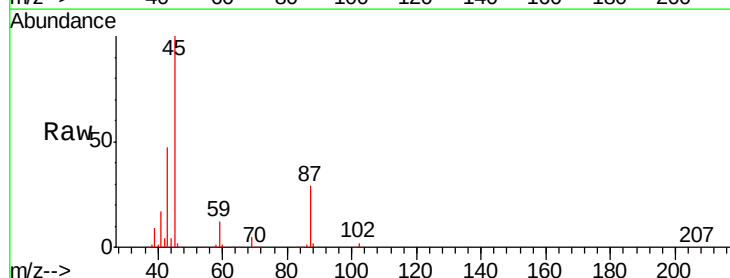
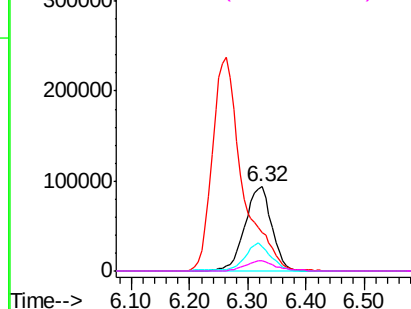
Delta R.T. 0.01 min

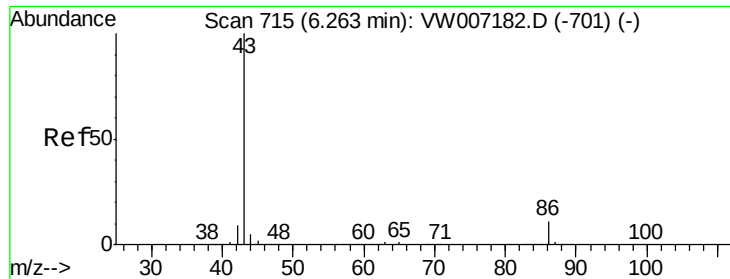
Lab File: VW007184.D

Acq: 04 Dec 2018 13:20

Tgt Ion:	45	Resp:	300879
Ion	Ratio	Lower	Upper
45	100		
43	45.9	40.8	61.2
87	29.2	24.0	36.0
59	11.8	9.1	13.7

Abundance Ion 45.00 (44.70 to 45.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 87.00 (86.70 to 87.70): VW
Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 497.155 ug/l

RT: 6.26 min Scan# 715

Delta R.T. -0.00 min

Lab File: VW007184.D

Acq: 04 Dec 2018 13:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tgt Ion: 43 Resp: 841540

Ion Ratio Lower Upper

43 100

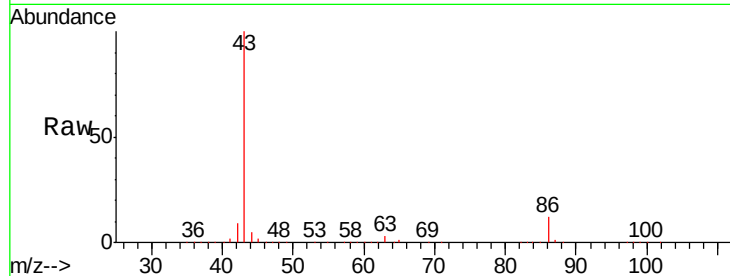
86 12.3 9.0 13.6

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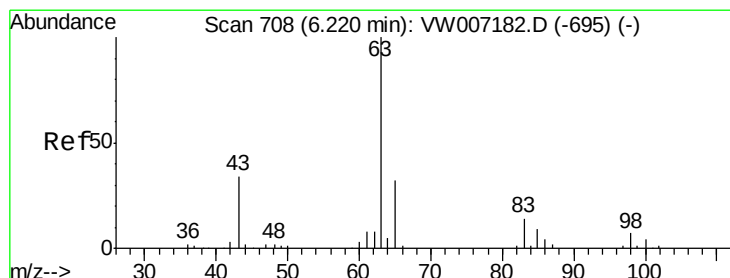
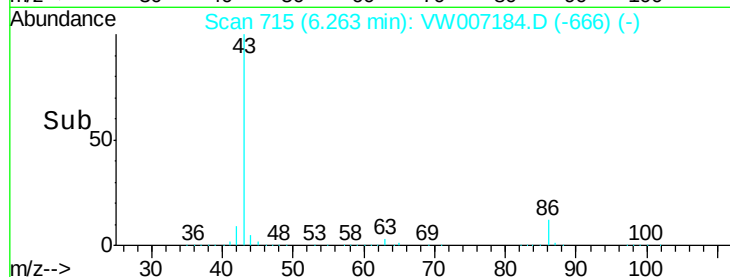
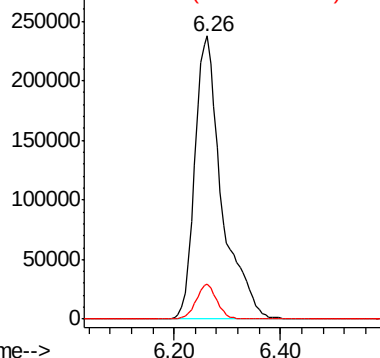
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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 99.952 ug/l

RT: 6.22 min Scan# 708

Delta R.T. -0.00 min

Lab File: VW007184.D

Acq: 04 Dec 2018 13:20

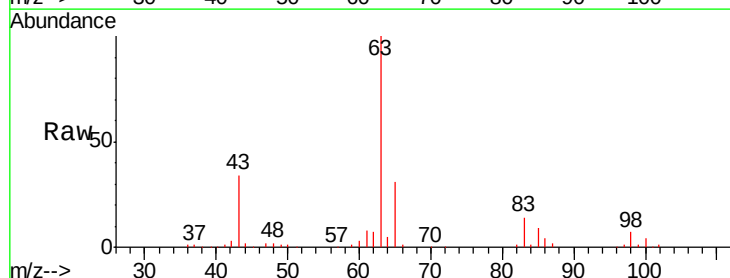
Tgt Ion: 63 Resp: 198738

Ion Ratio Lower Upper

63 100

98 7.1 3.5 10.5

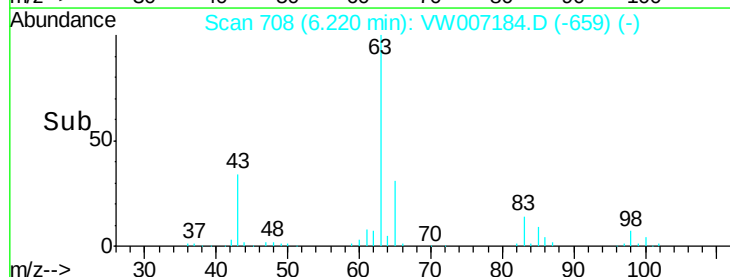
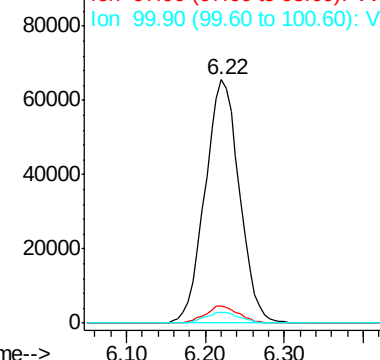
100 4.3 2.1 6.2

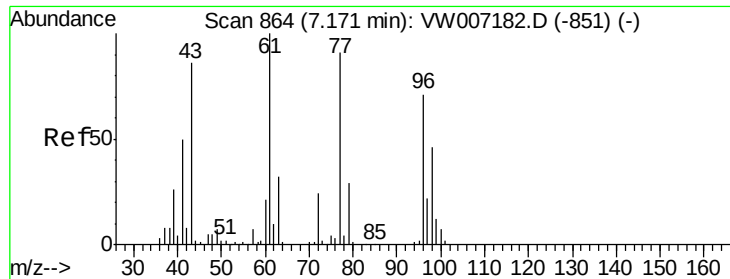


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 507.391 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW007184.D

Acq: 04 Dec 2018 13:20

Instrument :

MSVOA_W

ClientSampled :

VSTDIC100

Tgt Ion: 43 Resp: 145971

Ion Ratio Lower Upper

43 100

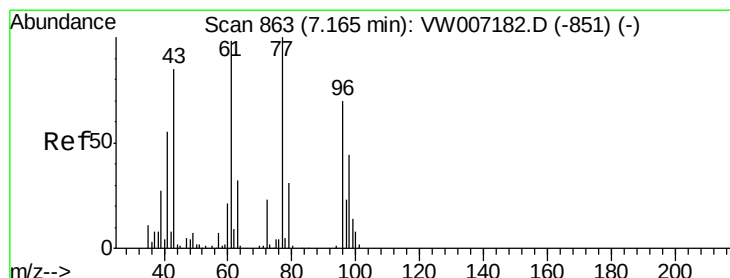
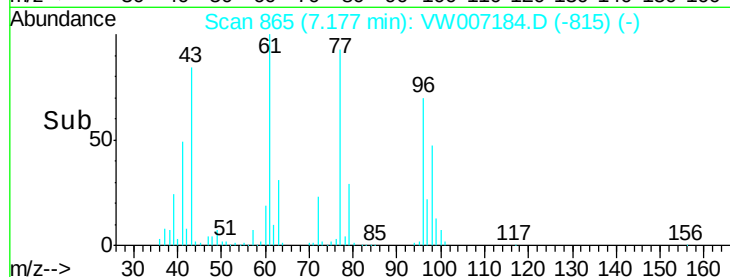
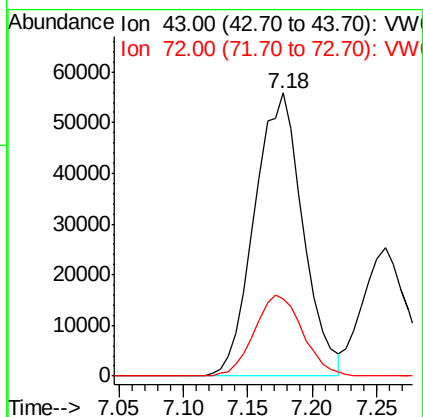
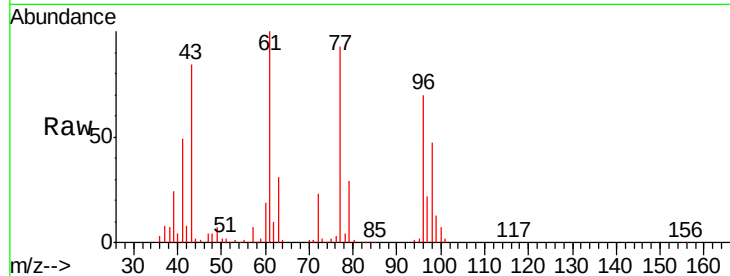
72 27.4 22.8 34.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 96.281 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW007184.D

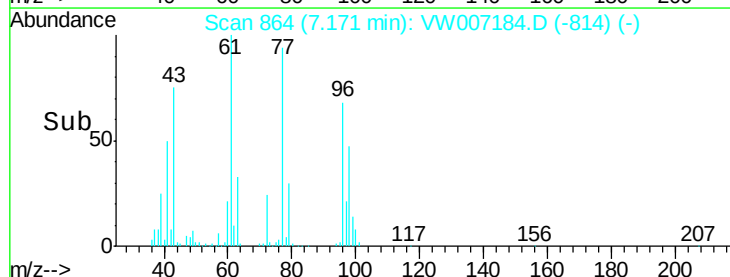
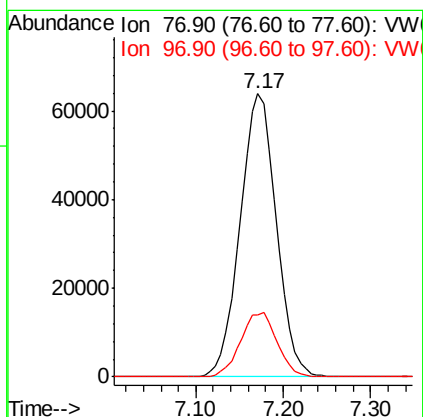
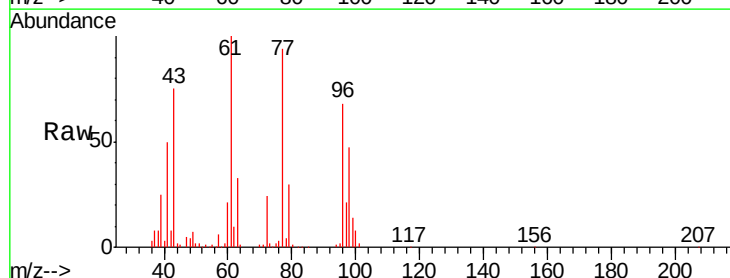
Acq: 04 Dec 2018 13:20

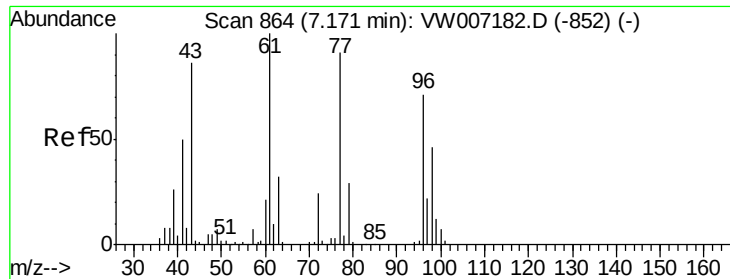
Tgt Ion: 77 Resp: 183969

Ion Ratio Lower Upper

77 100

97 23.1 11.5 34.4





#27

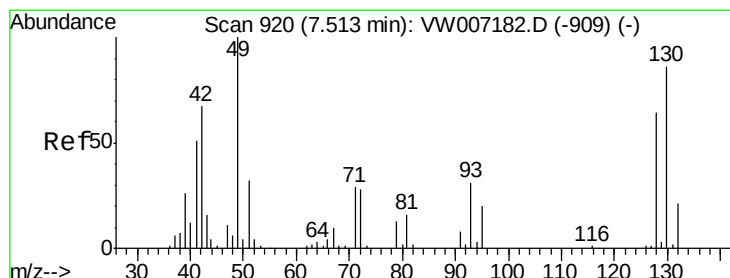
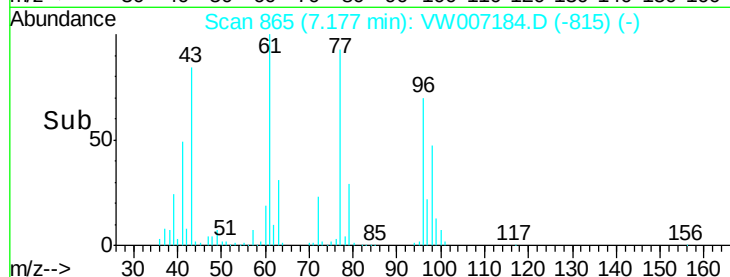
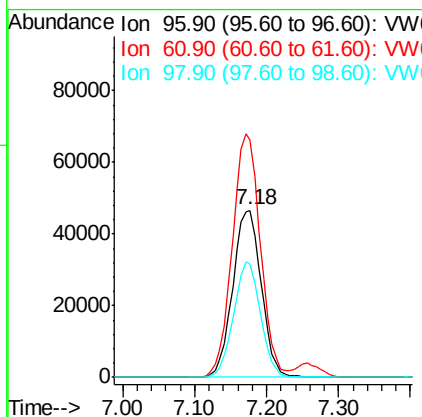
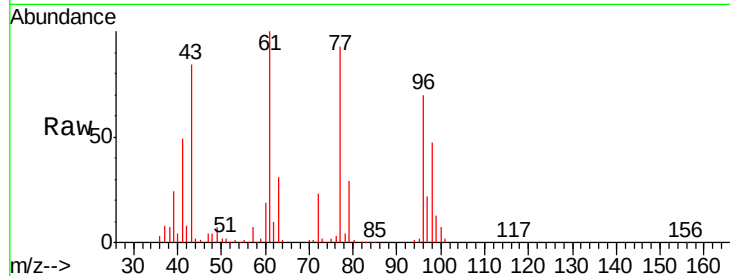
cis-1,2-Dichloroethene
 Concen: 99.625 ug/l
 RT: 7.18 min Scan# 865
 Delta R.T. 0.01 min
 Lab File: VW007184.D
 Acq: 04 Dec 2018 13:20

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC100

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	128564		
61	142.9	0.0	282.4	
98	65.3	0.0	129.8	

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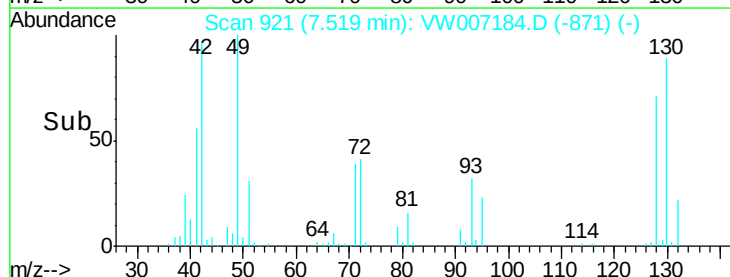
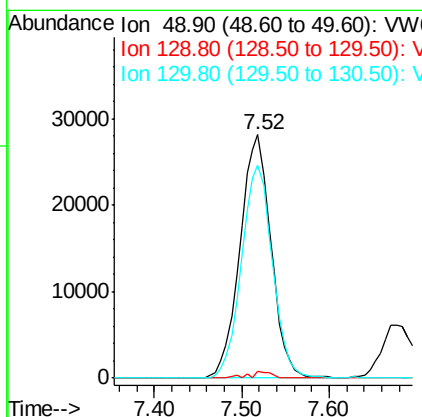
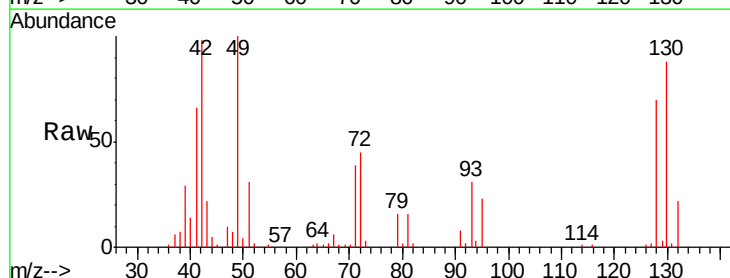
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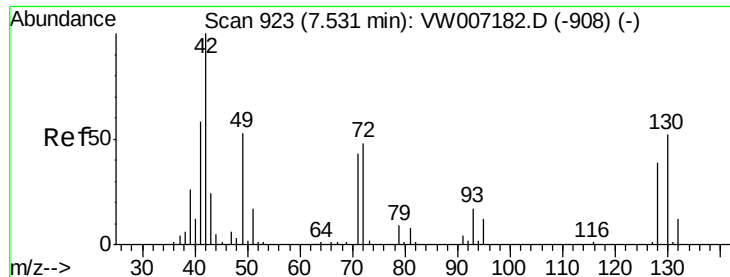


#28

Bromochloromethane
 Concen: 96.914 ug/l
 RT: 7.52 min Scan# 921
 Delta R.T. 0.01 min
 Lab File: VW007184.D
 Acq: 04 Dec 2018 13:20

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	69483		
129	1.5	0.0	3.8	
130	87.3	70.3	105.5	





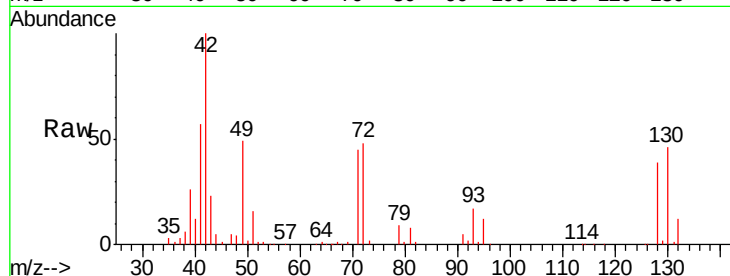
#29
Tetrahydrofuran
Concen: 525.527 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW007184.D
Acq: 04 Dec 2018 13:20

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

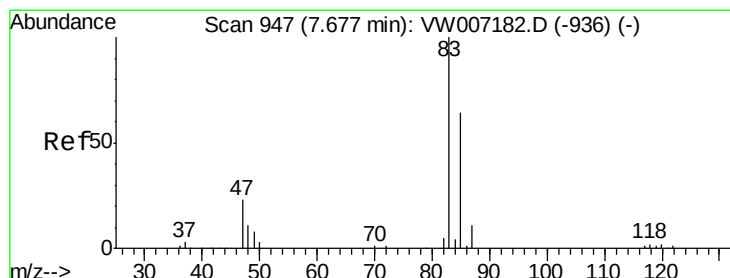
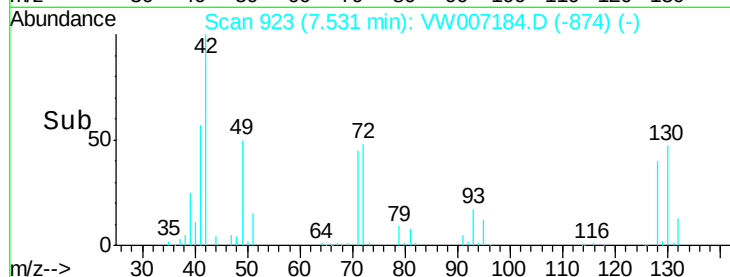
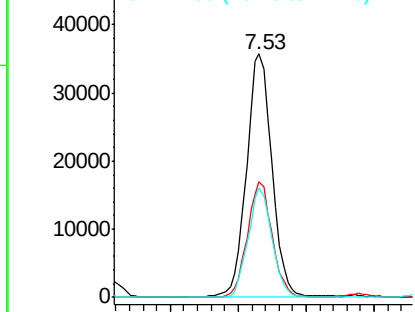
Tgt Ion	Ratio	Lower	Upper
42	100		
72	45.9	36.6	55.0
71	42.6	34.8	52.2

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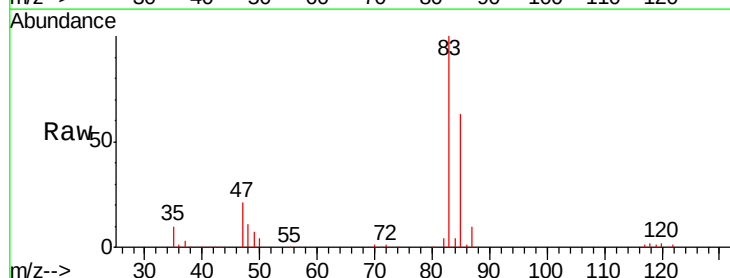


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

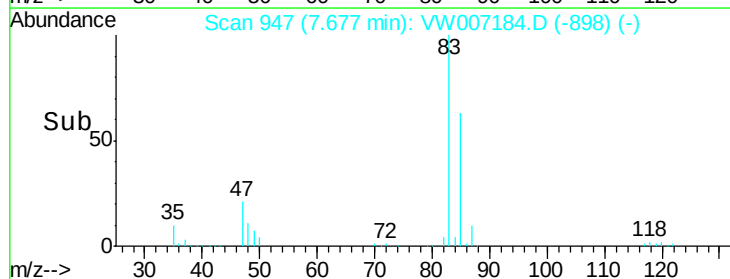
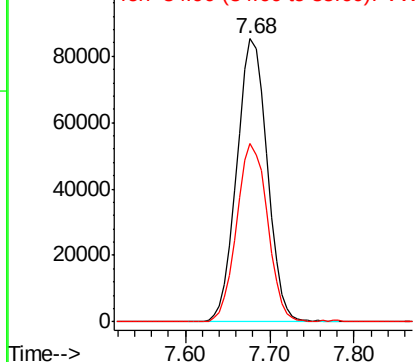


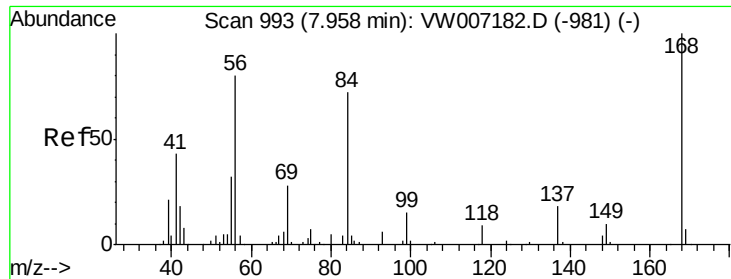
#30
Chloroform
Concen: 100.766 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW007184.D
Acq: 04 Dec 2018 13:20

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.1	51.5	77.3



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW





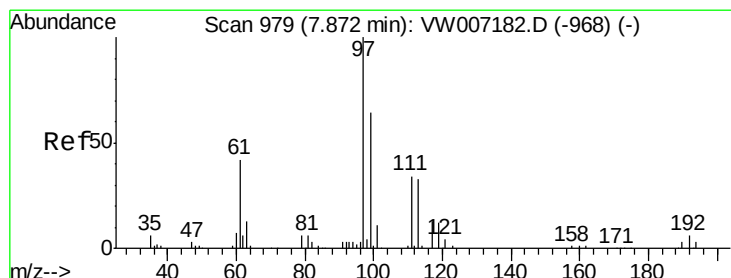
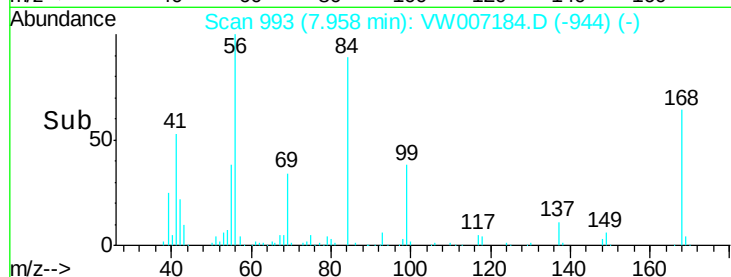
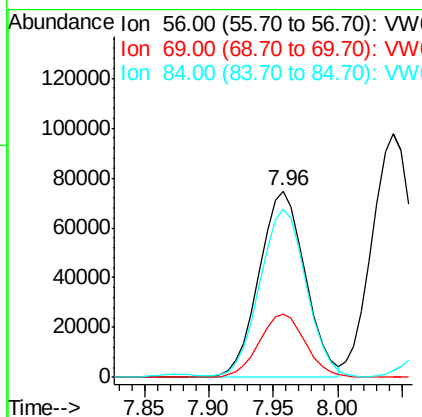
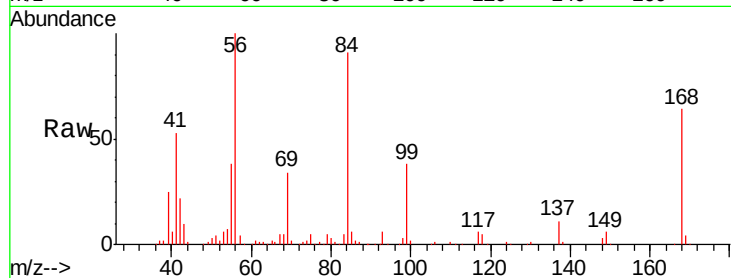
#31
Cyclohexane
Concen: 89.147 ug/l
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW007184.D
Acq: 04 Dec 2018 13:20

Instrument :
MSVOA_W
ClientSampled :
VSTDIC100

Tgt Ion: 56 Resp: 185459
Ion Ratio Lower Upper
56 100
69 34.0 28.2 42.2
84 89.3 72.1 108.1

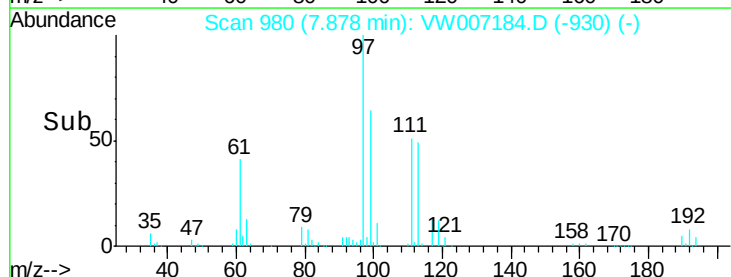
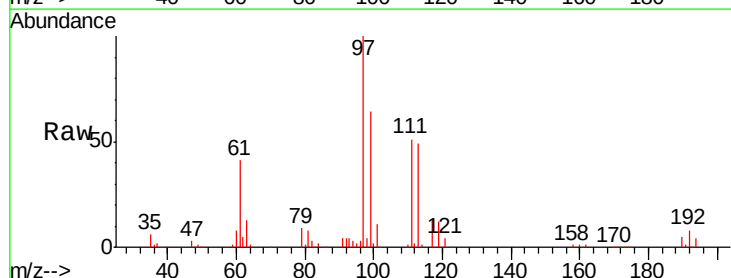
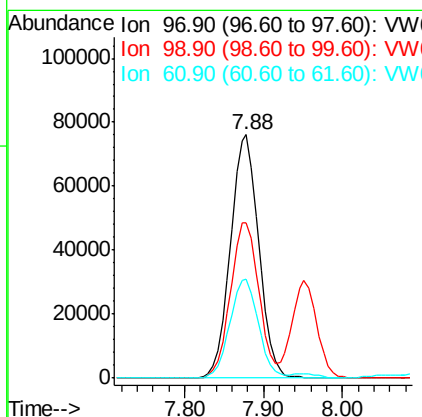
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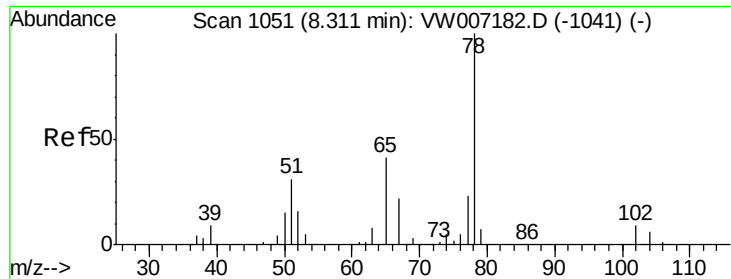
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#32
1,1,1-Trichloroethane
Concen: 97.465 ug/l
RT: 7.88 min Scan# 980
Delta R.T. 0.01 min
Lab File: VW007184.D
Acq: 04 Dec 2018 13:20

Tgt Ion: 97 Resp: 189537
Ion Ratio Lower Upper
97 100
99 64.4 51.3 76.9
61 41.0 33.2 49.8





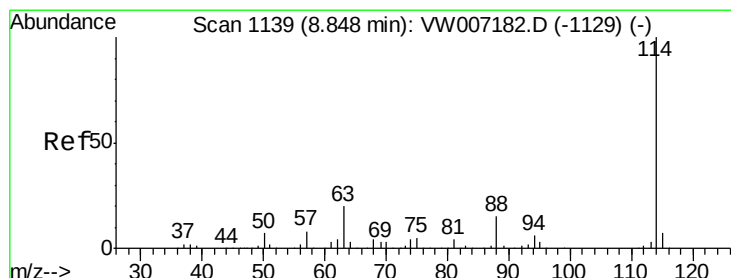
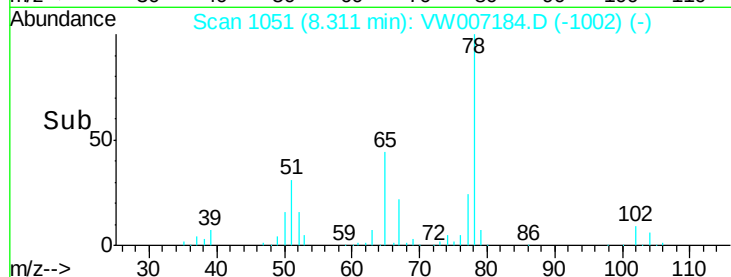
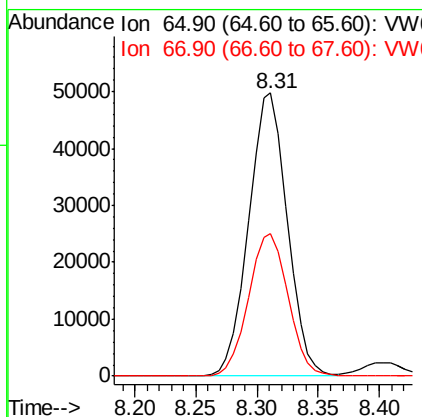
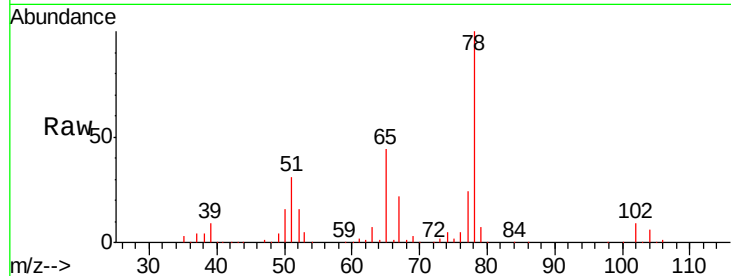
#33
 1,2-Dichloroethane-d4
 Concen: 104.538 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VW007184.D
 Acq: 04 Dec 2018 13:20

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC100

Tgt Ion: 65 Resp: 109592
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 106.4

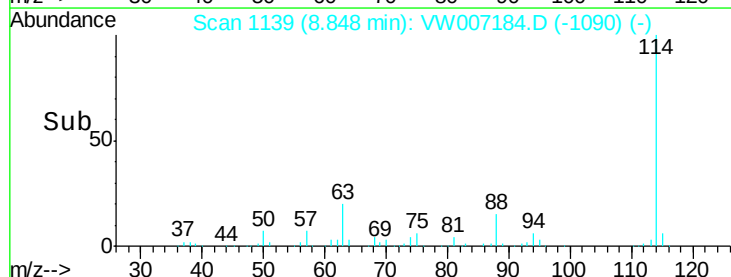
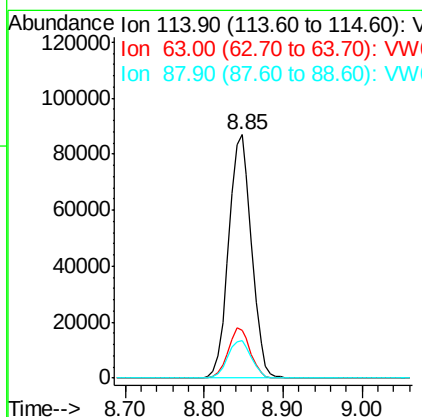
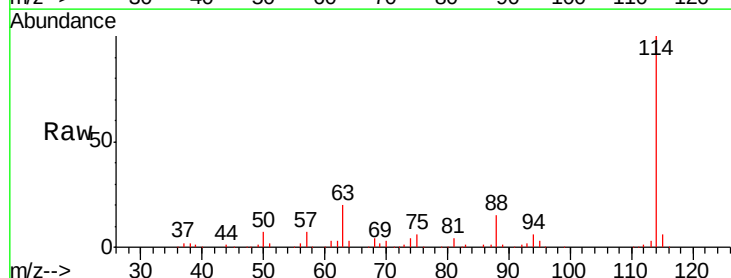
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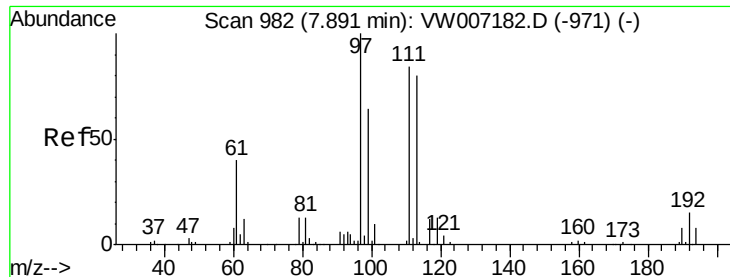
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW007184.D
 Acq: 04 Dec 2018 13:20

Tgt Ion: 114 Resp: 174986
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 40.2
 88 15.3 0.0 30.0





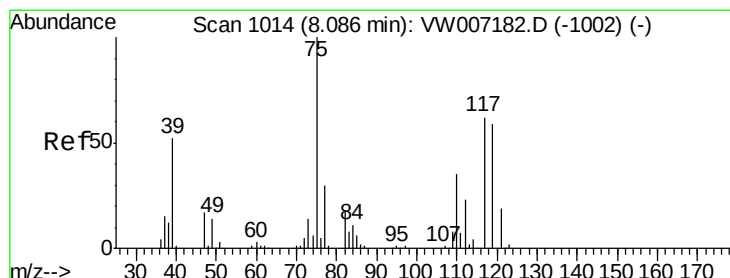
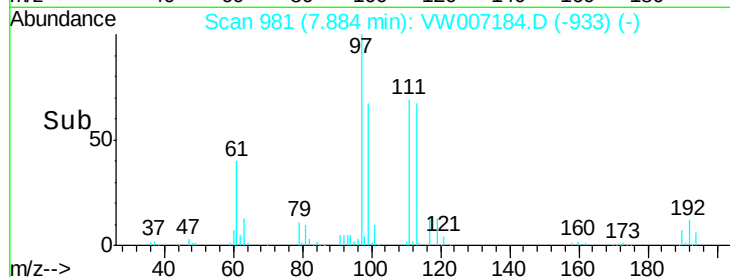
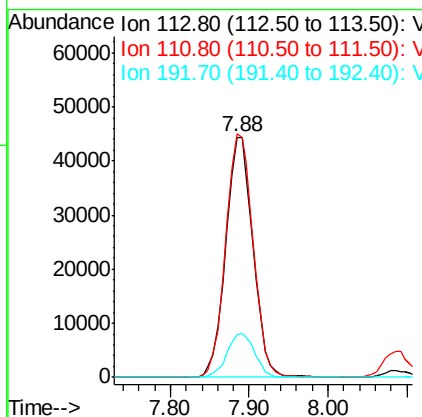
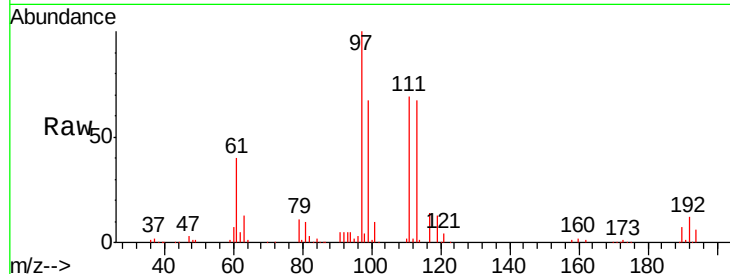
#35
 Dibromofluoromethane
 Concen: 106.349 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.01 min
 Lab File: VW007184.D
 Acq: 04 Dec 2018 13:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	106558		
111	102.3	82.2	123.4	
192	18.5	14.4	21.6	

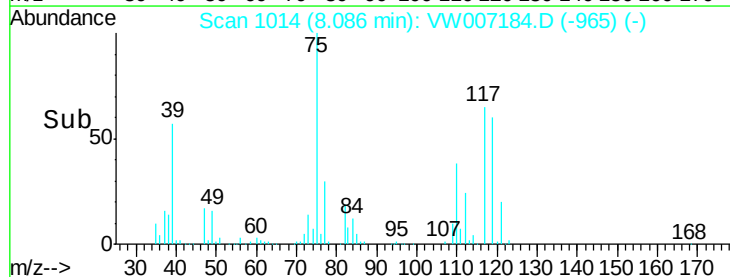
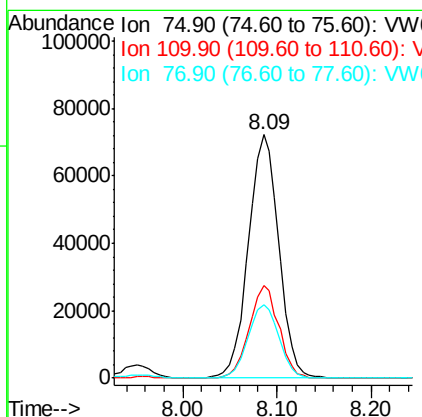
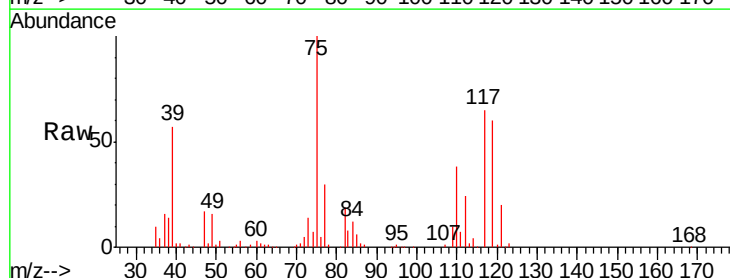
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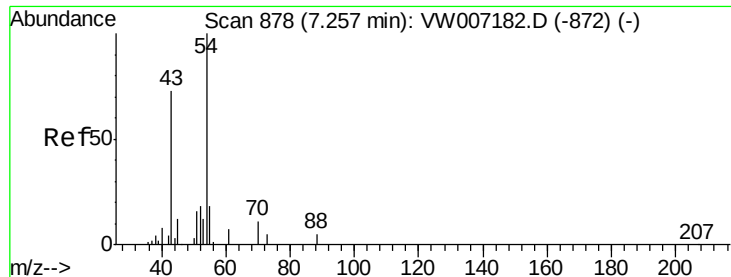
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#36
 1,1-Dichloropropene
 Concen: 96.459 ug/l
 RT: 8.09 min Scan# 1014
 Delta R.T. -0.00 min
 Lab File: VW007184.D
 Acq: 04 Dec 2018 13:20

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	164236		
110	37.0	18.3	54.9	
77	30.9	24.9	37.3	





#37

Ethyl Acetate

Concen: 101.424 ug/l

RT: 7.26 min Scan# 878

Delta R.T. -0.00 min

Lab File: VW007184.D

Acq: 04 Dec 2018 13:20

Instrument :

MSVOA_W

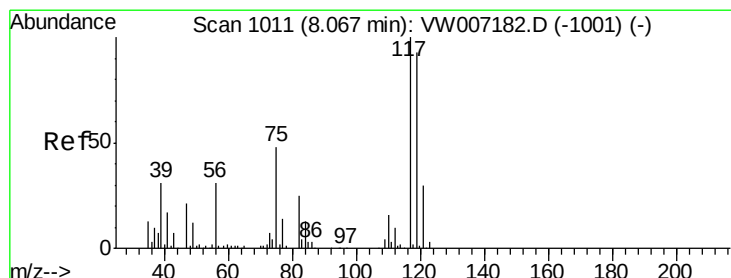
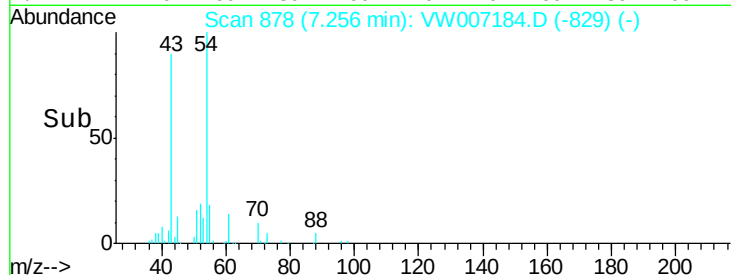
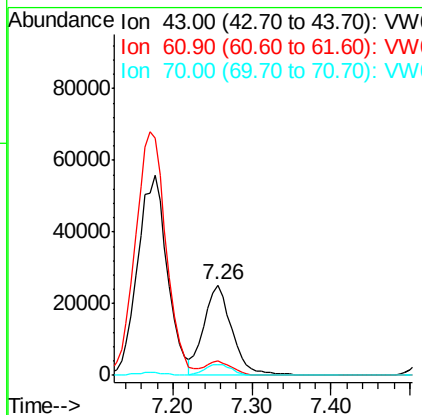
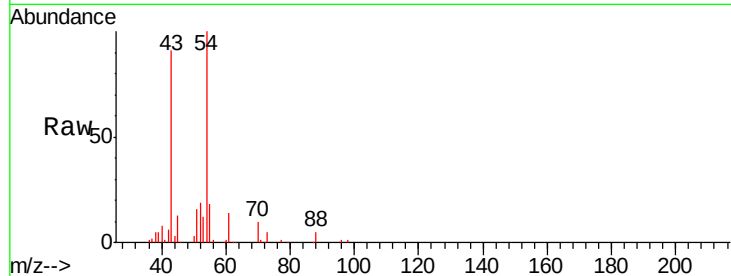
ClientSampleId :

VSTDIC100

Tgt Ion:	43	Resp:	62466
Ion	Ratio	Lower	Upper
43	100		
61	14.2	12.1	18.1
70	12.0	9.1	13.7

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#38

Carbon Tetrachloride

Concen: 97.100 ug/l

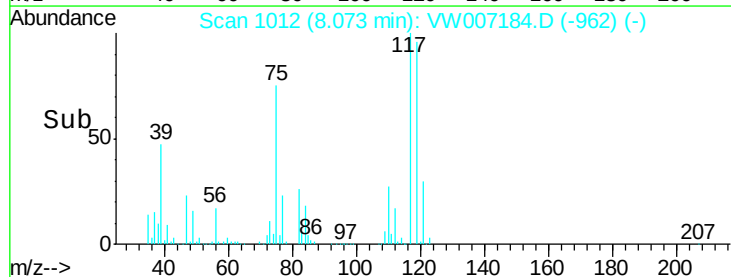
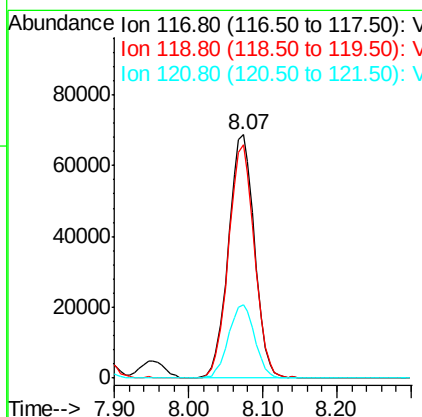
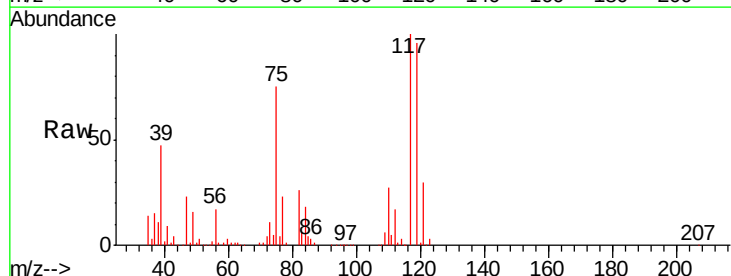
RT: 8.07 min Scan# 1012

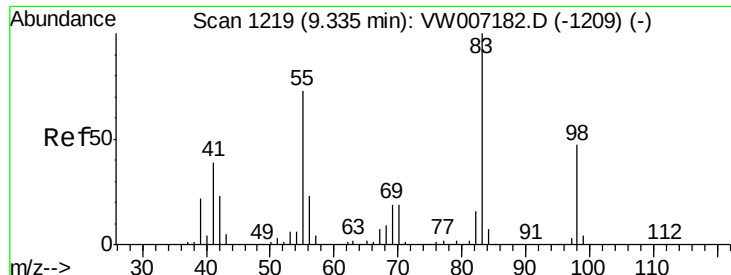
Delta R.T. 0.01 min

Lab File: VW007184.D

Acq: 04 Dec 2018 13:20

Tgt Ion:	117	Resp:	168745
Ion	Ratio	Lower	Upper
117	100		
119	96.1	74.1	111.1
121	29.9	23.9	35.9





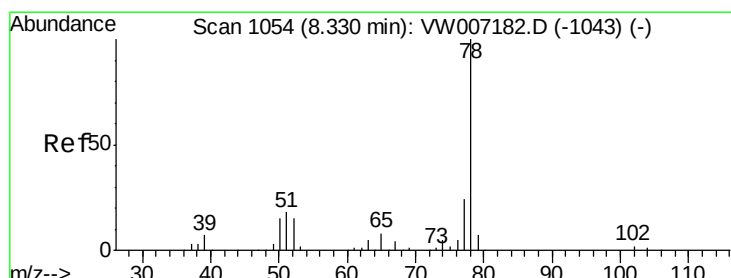
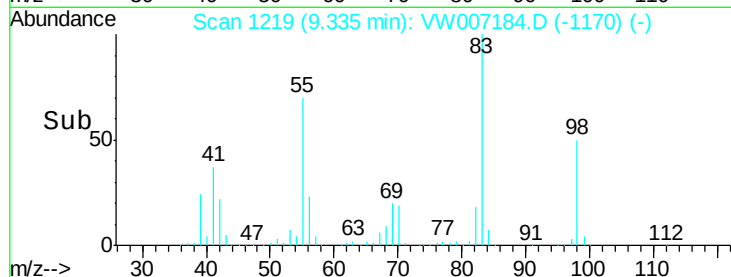
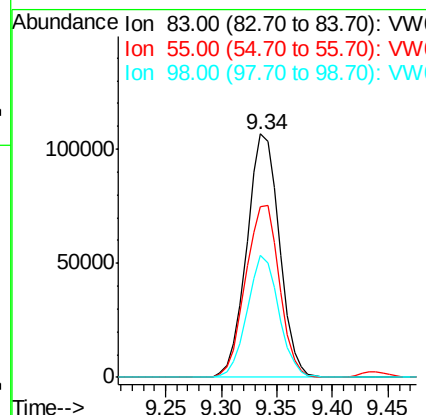
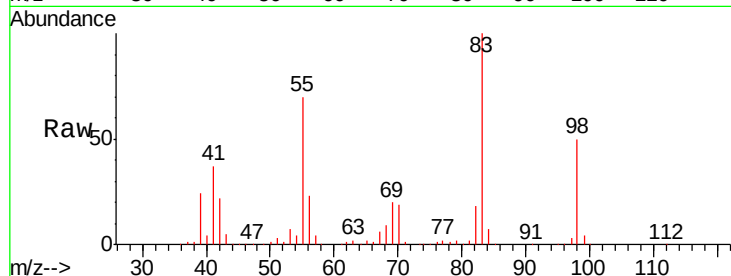
#39
Methylcyclohexane
Concen: 95.763 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW007184.D
Acq: 04 Dec 2018 13:20

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion	Ratio	Lower	Upper
83	100		
55	70.3	58.1	87.1
98	50.2	37.3	55.9

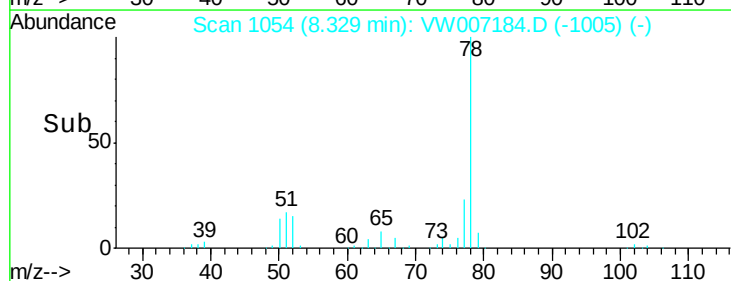
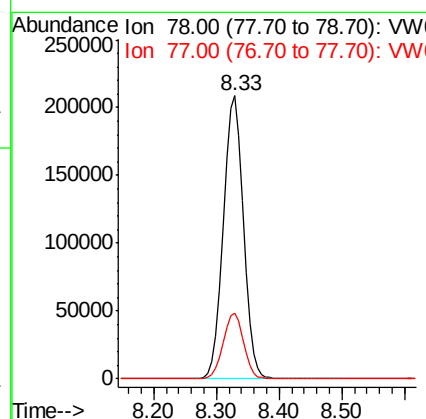
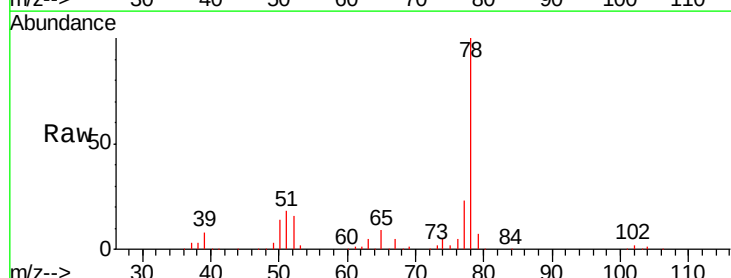
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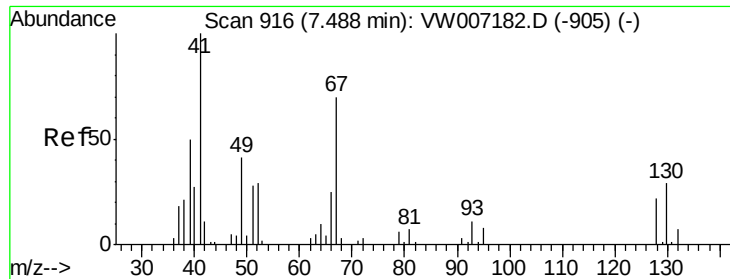
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#40
Benzene
Concen: 99.419 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. -0.00 min
Lab File: VW007184.D
Acq: 04 Dec 2018 13:20

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.9	28.3





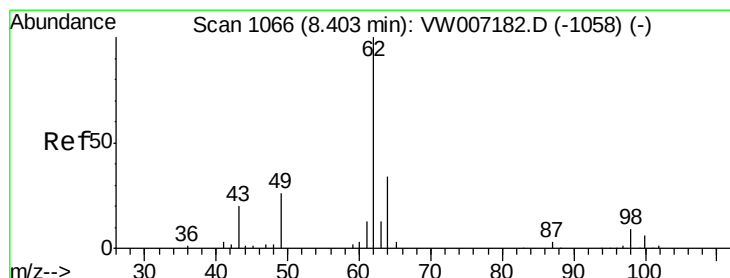
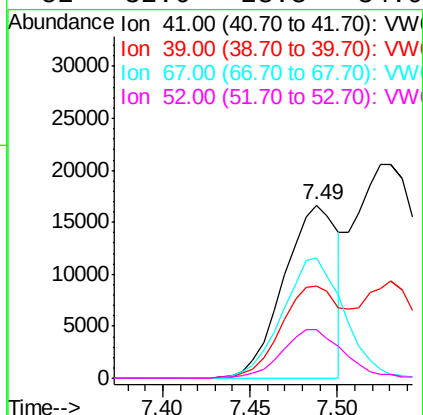
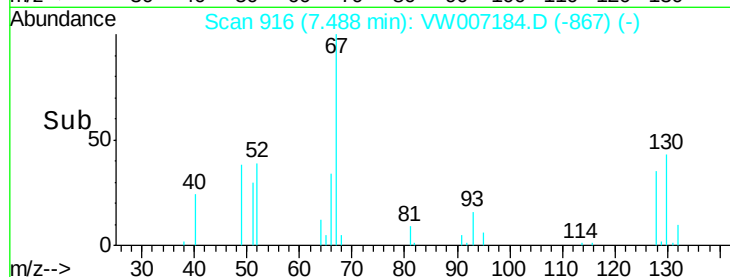
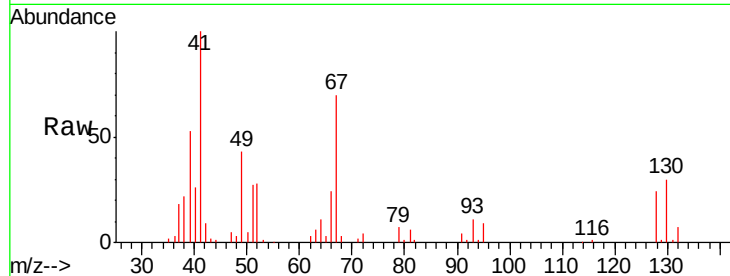
#41
Methacrylonitrile
Concen: 96.825 ug/l
RT: 7.49 min Scan# 916
Delta R.T. -0.00 min
Lab File: VW007184.D
Acq: 04 Dec 2018 13:20

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tgt Ion:	41	Resp:	35719
Ion	Ratio	Lower	Upper
41	100		
39	61.3	43.4	65.0
67	80.0	57.4	86.0
52	32.6	23.3	34.9

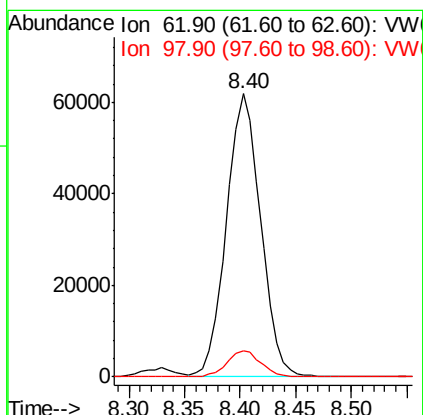
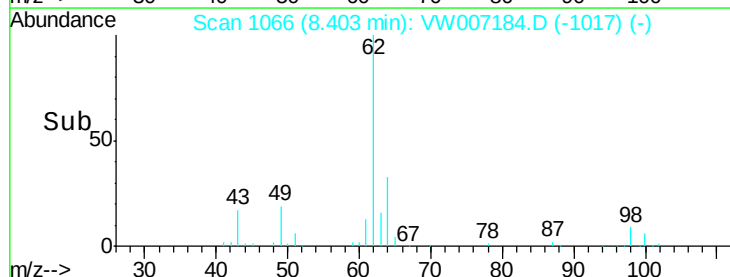
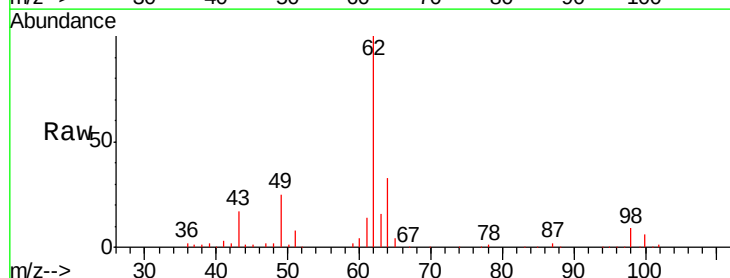
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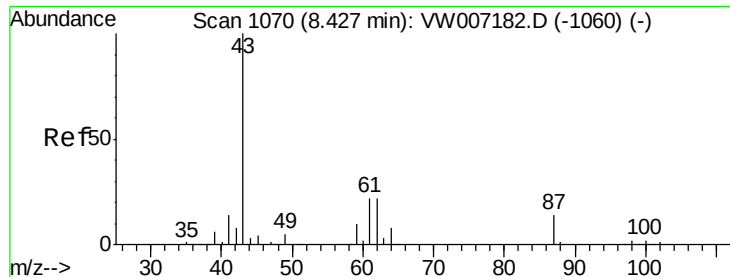
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#42
1,2-Dichloroethane
Concen: 100.501 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW007184.D
Acq: 04 Dec 2018 13:20

Tgt Ion:	62	Resp:	131139
Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	17.8





#43

Isopropyl Acetate

Concen: 104.458 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW007184.D

Acq: 04 Dec 2018 13:20

Instrument :

MSVOA_W

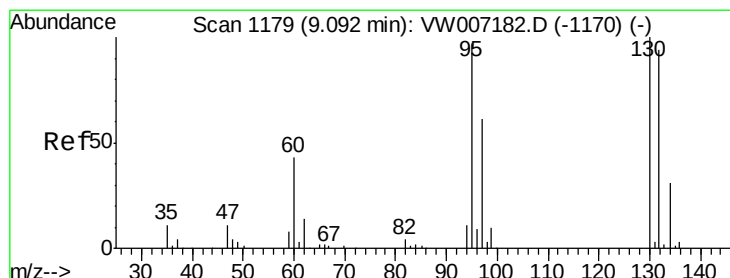
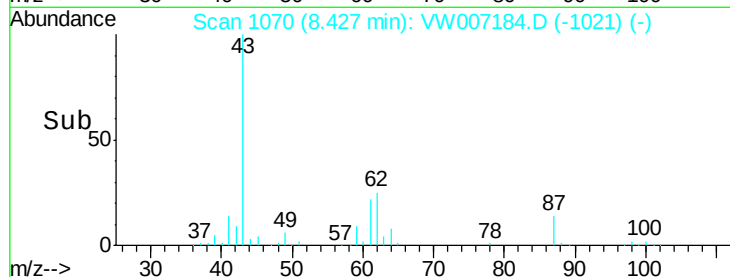
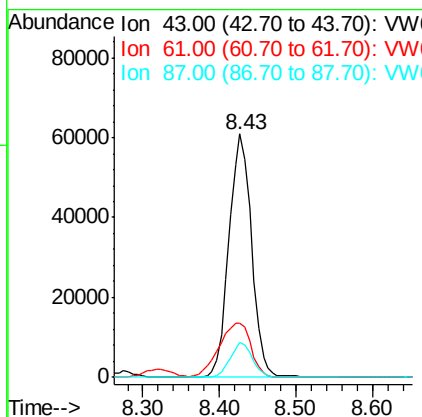
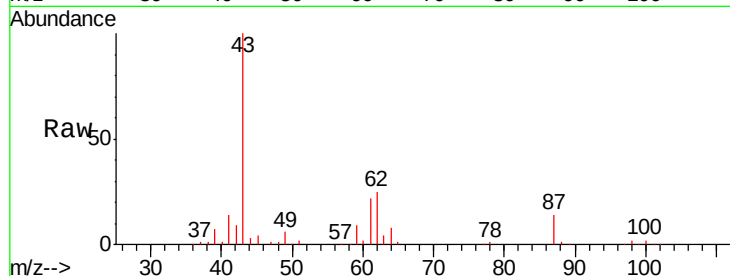
ClientSampleId :

VSTDIC100

Tgt Ion:	43	Resp:	124950
Ion	Ratio	Lower	Upper
43	100		
61	31.2	25.4	38.0
87	14.0	11.4	17.0

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#44

Trichloroethene

Concen: 98.346 ug/l

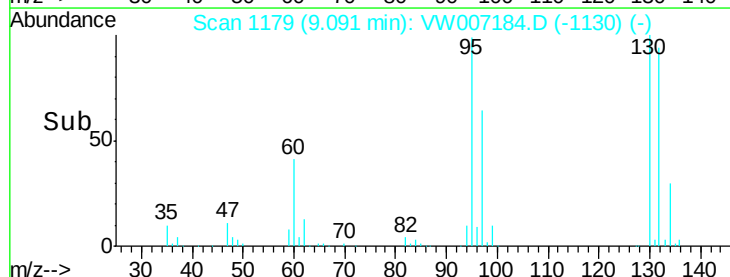
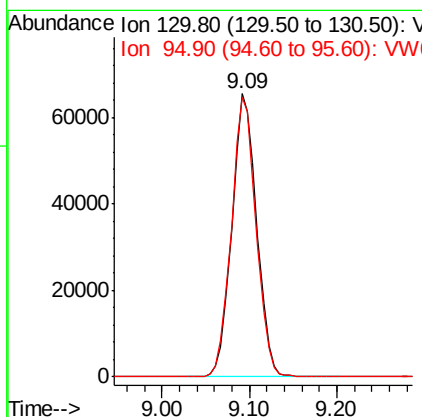
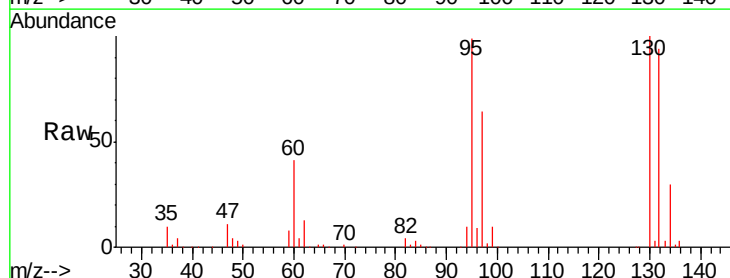
RT: 9.09 min Scan# 1179

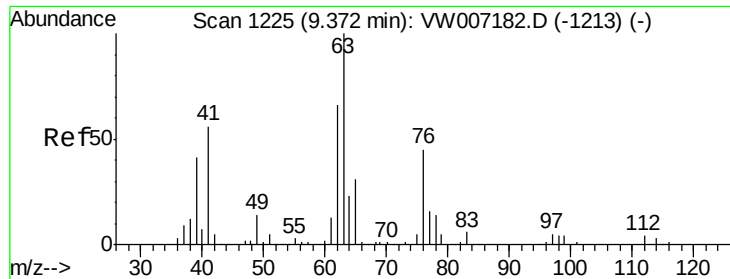
Delta R.T. -0.00 min

Lab File: VW007184.D

Acq: 04 Dec 2018 13:20

Tgt Ion:	130	Resp:	129067
Ion	Ratio	Lower	Upper
130	100		
95	98.7	0.0	194.0





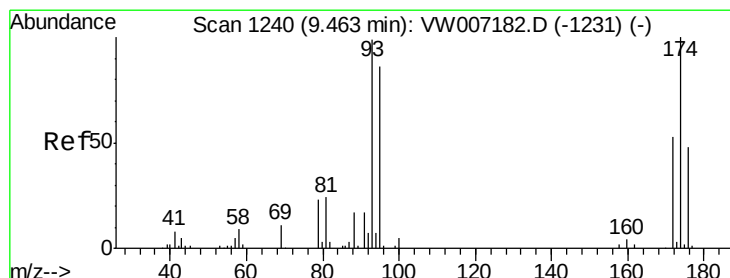
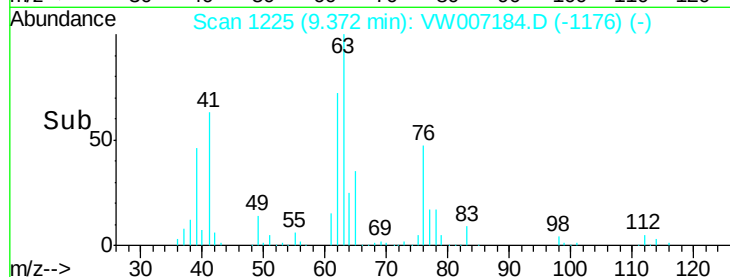
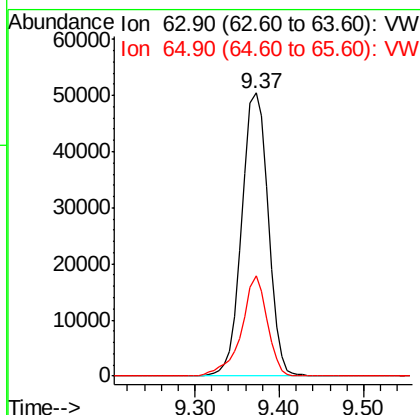
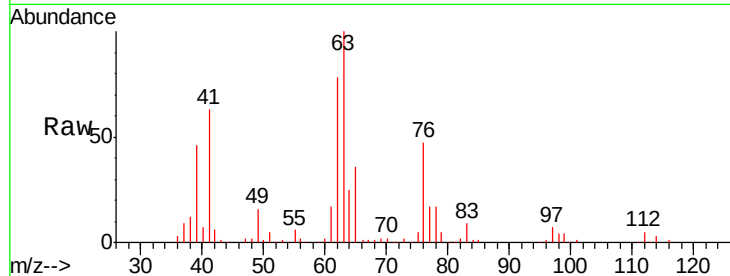
#45
 1,2-Dichloropropane
 Concen: 97.996 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW007184.D
 Acq: 04 Dec 2018 13:20

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC100

Tgt Ion: 63 Resp: 106471
 Ion Ratio Lower Upper
 63 100
 65 35.5 25.0 37.4

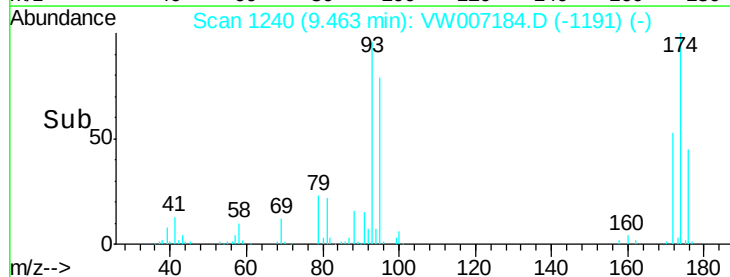
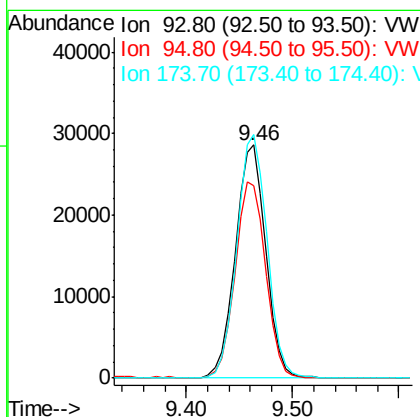
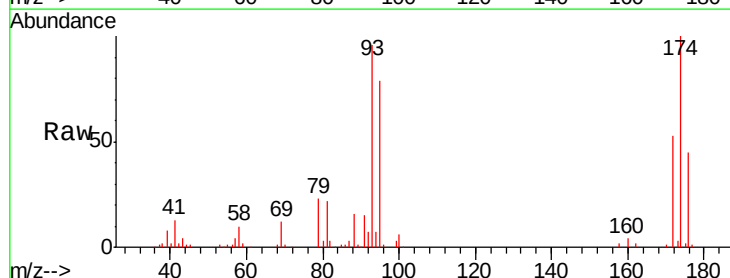
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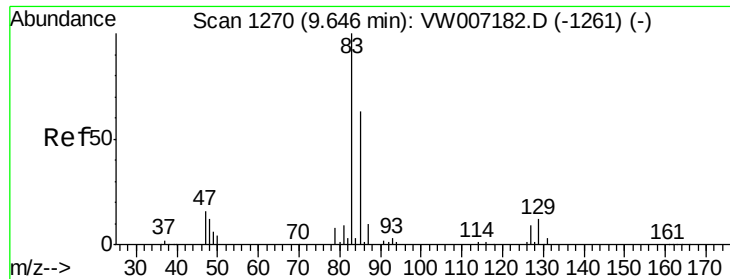
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#46
 Dibromomethane
 Concen: 101.607 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. -0.00 min
 Lab File: VW007184.D
 Acq: 04 Dec 2018 13:20

Tgt Ion: 93 Resp: 57364
 Ion Ratio Lower Upper
 93 100
 95 84.6 68.7 103.1
 174 103.6 82.9 124.3





#47

Bromodichloromethane

Concen: 99.451 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW007184.D

Acq: 04 Dec 2018 13:20

Instrument :

MSVOA_W

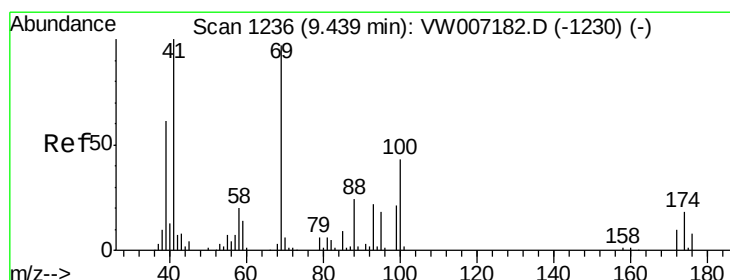
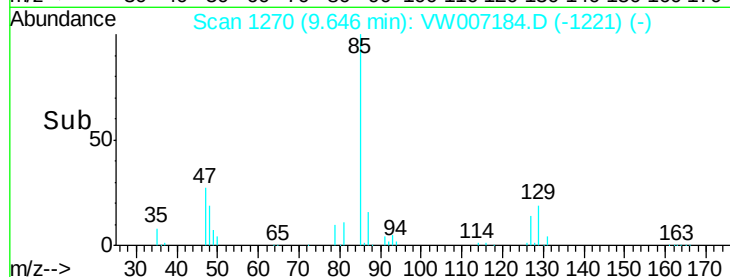
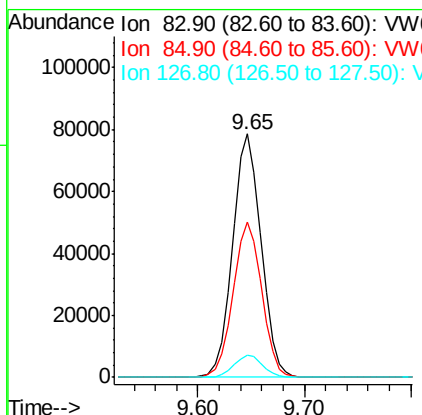
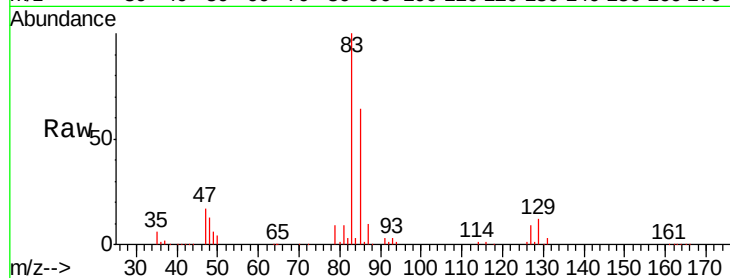
ClientSampled :

VSTDIC100

Tgt Ion:	83	Resp:	147690
Ion Ratio	Lower	Upper	
83	100		
85	64.0	50.6	76.0
127	9.2	7.3	10.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 102.362 ug/l

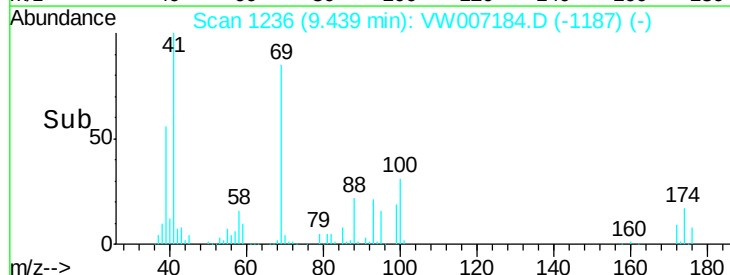
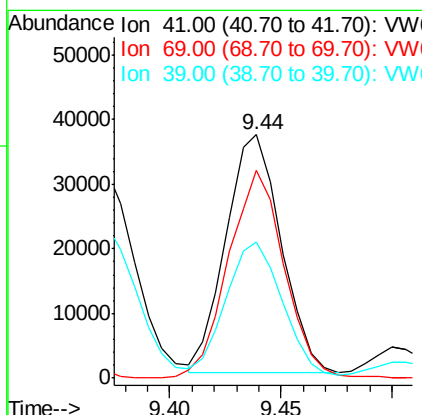
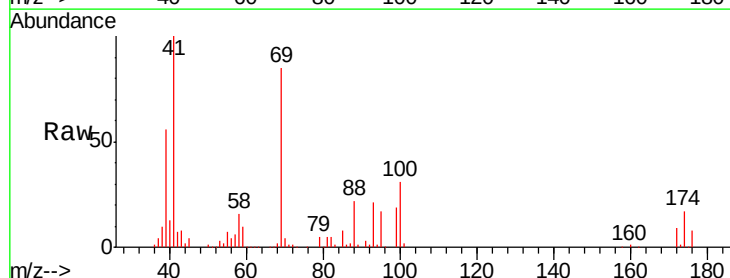
RT: 9.44 min Scan# 1236

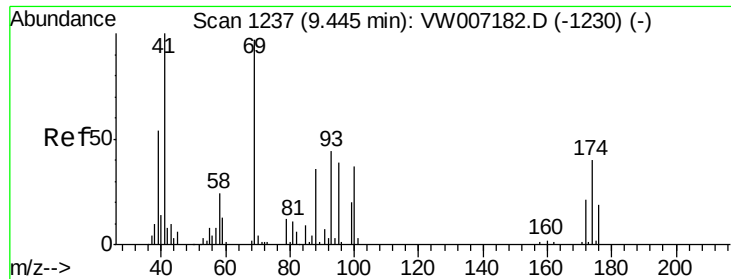
Delta R.T. -0.00 min

Lab File: VW007184.D

Acq: 04 Dec 2018 13:20

Tgt Ion:	41	Resp:	63549
Ion Ratio	Lower	Upper	
41	100		
69	88.5	69.6	104.4
39	56.5	42.4	63.6





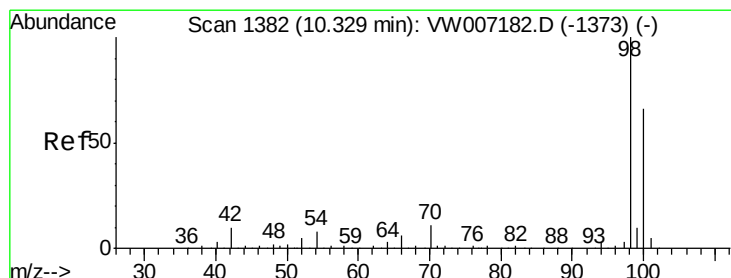
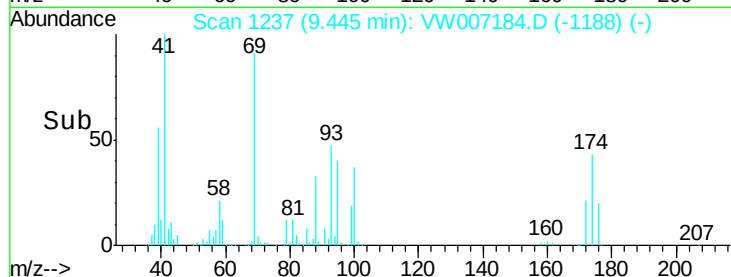
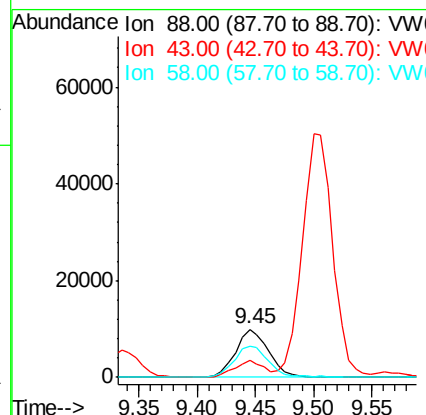
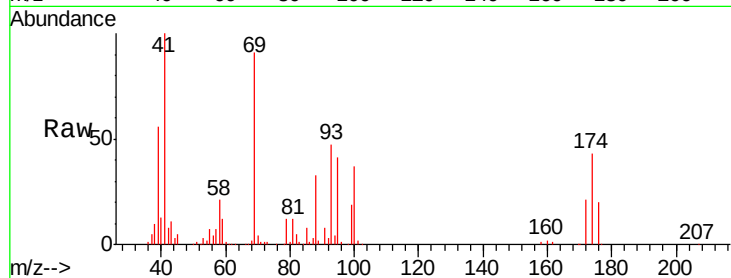
#49
1,4-Dioxane
Concen: 1977.003 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VW007184.D
Acq: 04 Dec 2018 13:20

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	19498		
43	31.5	25.8	38.8	
58	69.1	58.9	88.3	

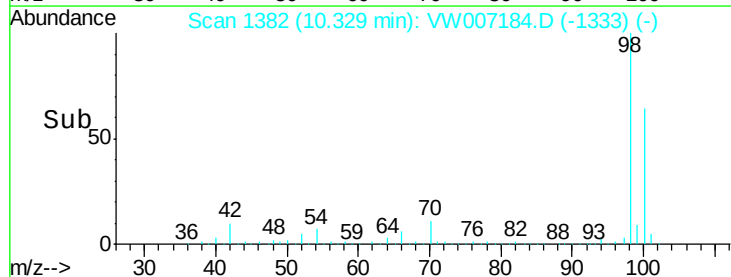
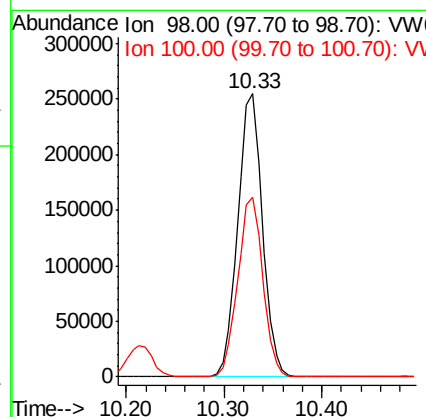
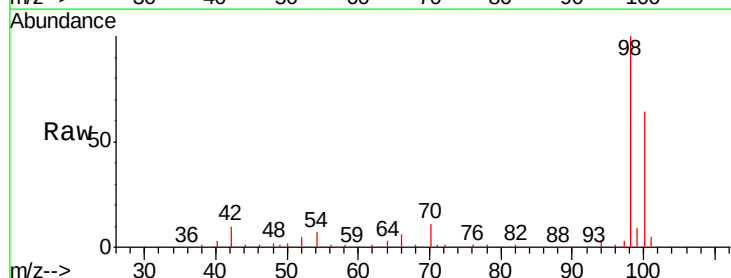
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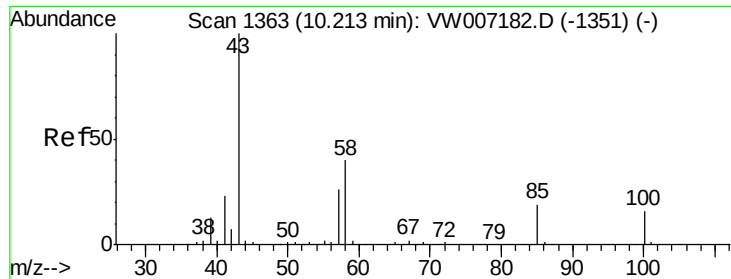
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#50
Toluene-d8
Concen: 101.235 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VW007184.D
Acq: 04 Dec 2018 13:20

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	446814		
100	64.3	52.7	79.1	





#51

4-Methyl-2-Pentanone

Concen: 521.396 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW007184.D

Acq: 04 Dec 2018 13:20

Instrument :

MSVOA_W

ClientSampled :

VSTDICC100

Tgt Ion: 43 Resp: 307353

Ion Ratio Lower Upper

43 100

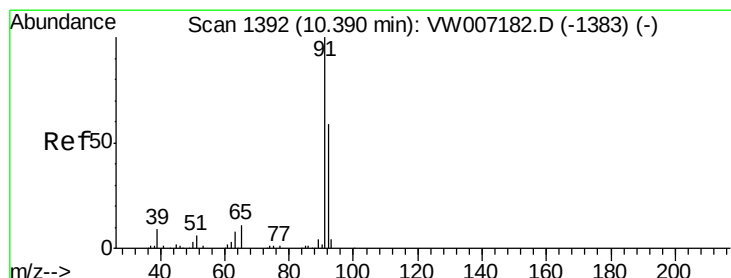
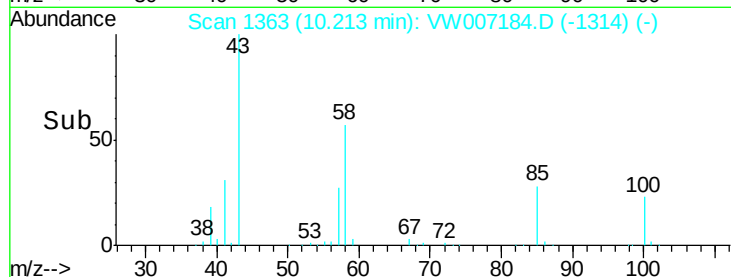
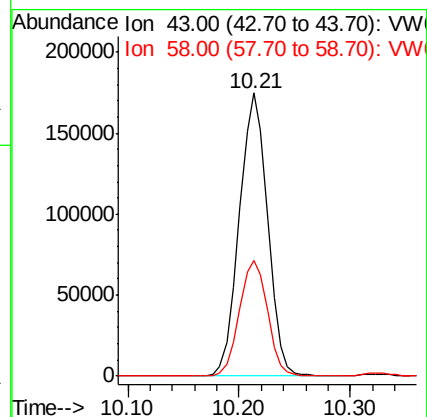
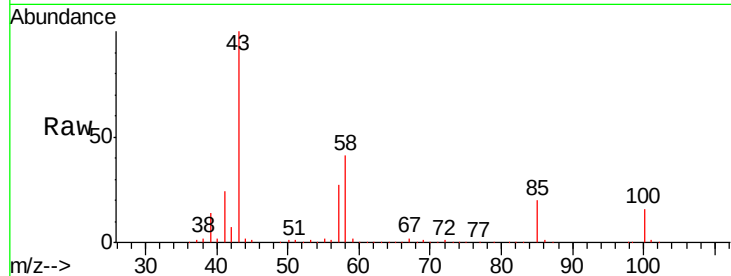
58 40.5 32.3 48.5

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#52

Toluene

Concen: 96.489 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW007184.D

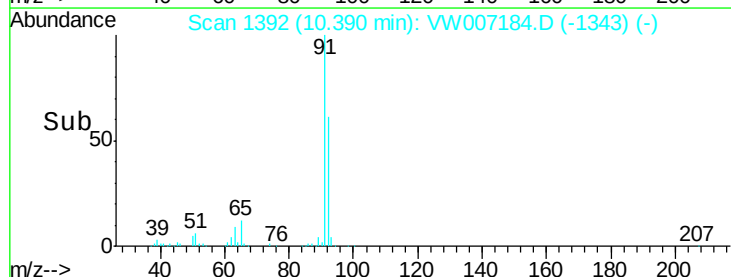
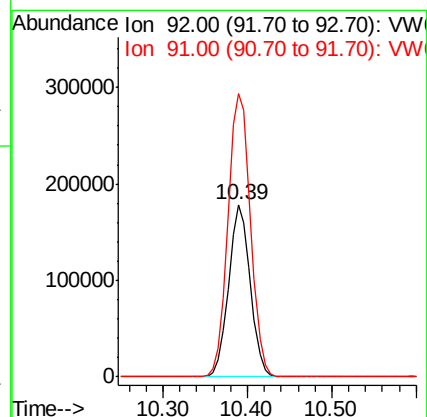
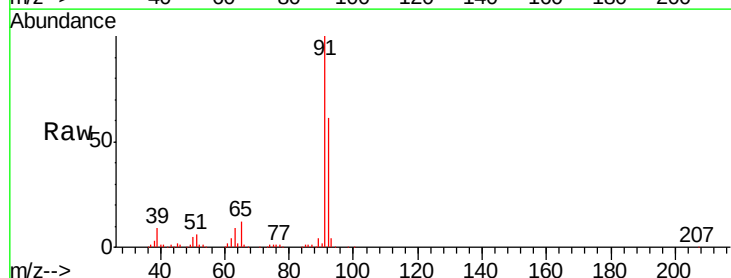
Acq: 04 Dec 2018 13:20

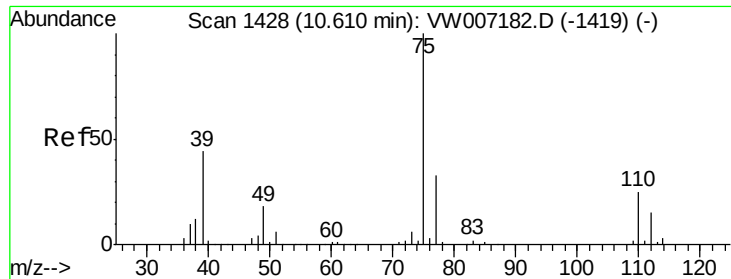
Tgt Ion: 92 Resp: 313371

Ion Ratio Lower Upper

92 100

91 171.7 136.0 204.0





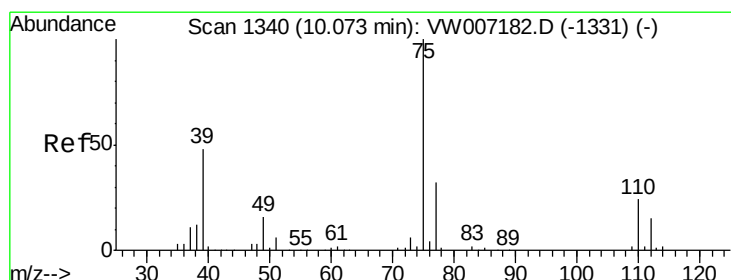
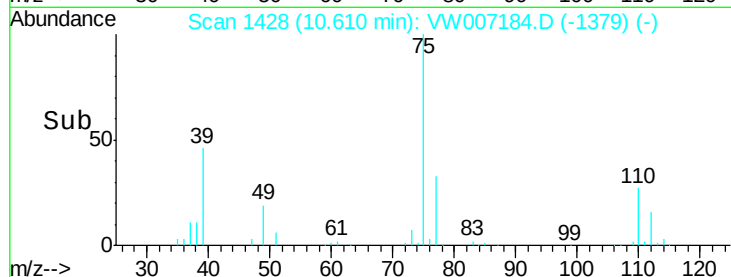
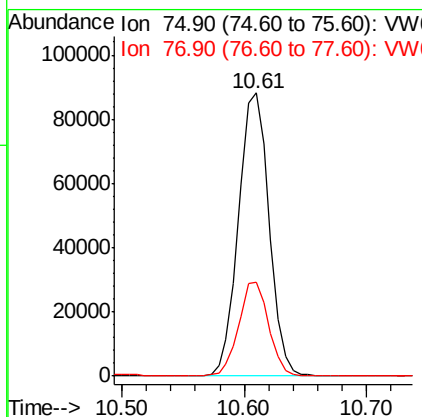
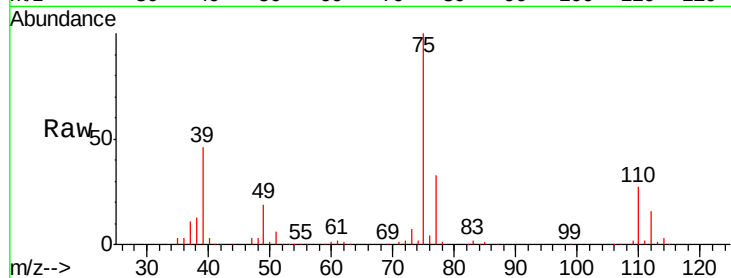
#53
 t-1,3-Dichloropropene
 Concen: 102.741 ug/l
 RT: 10.61 min Scan# 1428
 Delta R.T. -0.00 min
 Lab File: VW007184.D
 Acq: 04 Dec 2018 13:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tgt Ion: 75 Resp: 153398
 Ion Ratio Lower Upper
 75 100
 77 33.2 26.2 39.2

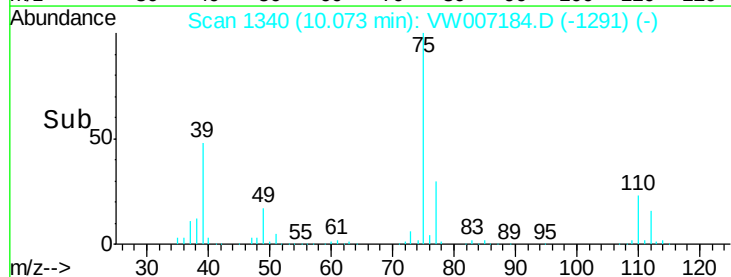
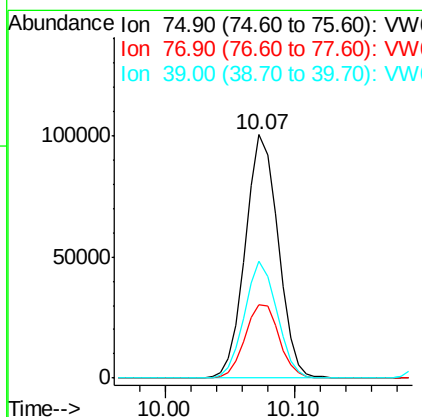
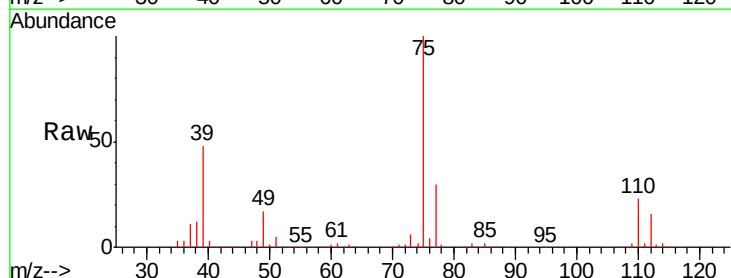
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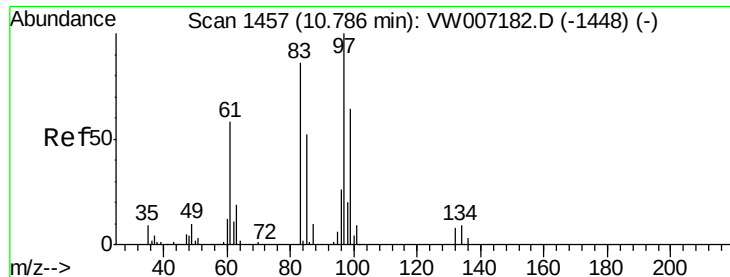
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#54
 cis-1,3-Dichloropropene
 Concen: 100.915 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW007184.D
 Acq: 04 Dec 2018 13:20

Tgt Ion: 75 Resp: 176576
 Ion Ratio Lower Upper
 75 100
 77 30.0 26.0 39.0
 39 47.8 38.0 57.0





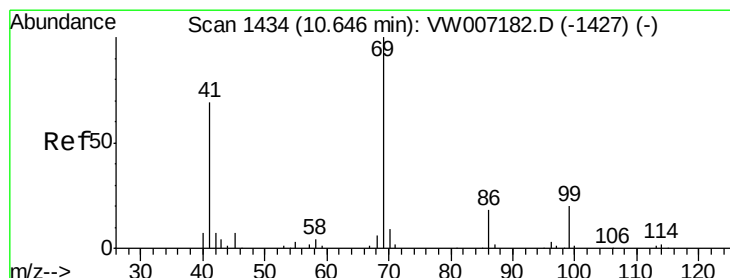
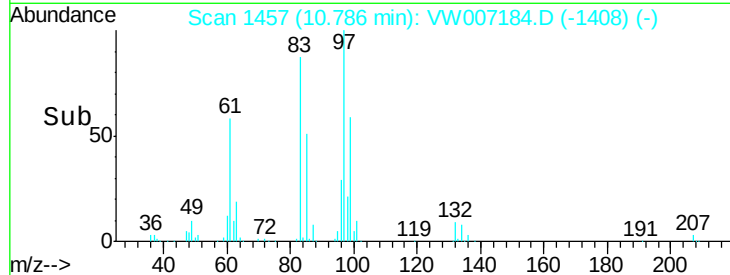
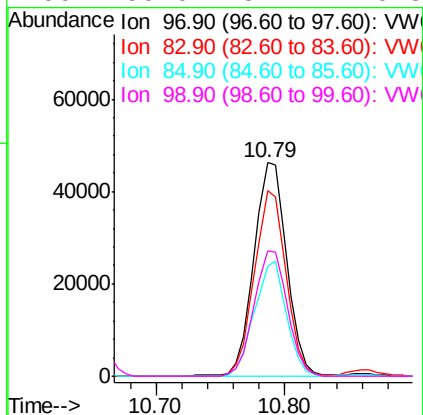
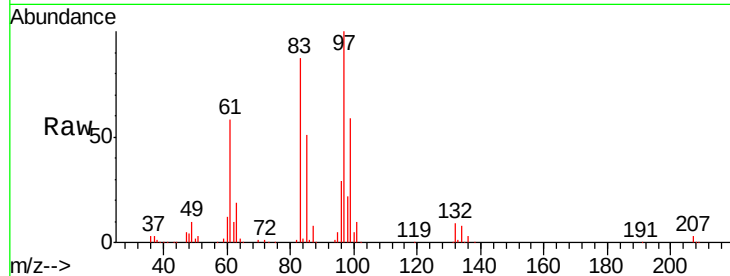
#55
 1,1,2-Trichloroethane
 Concen: 101.566 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW007184.D
 Acq: 04 Dec 2018 13:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	81563		
83	86.7	68.6	102.8	
85	51.3	41.4	62.2	
99	59.0	51.2	76.8	

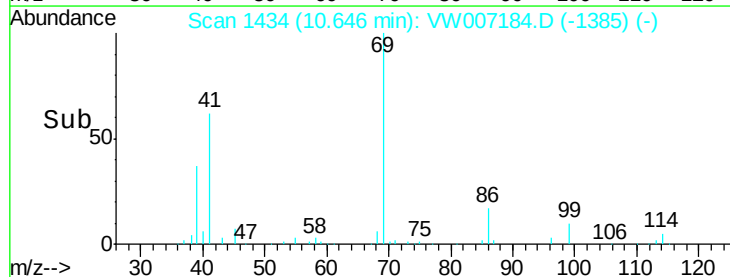
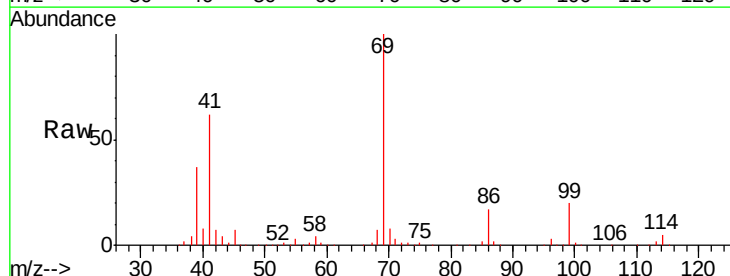
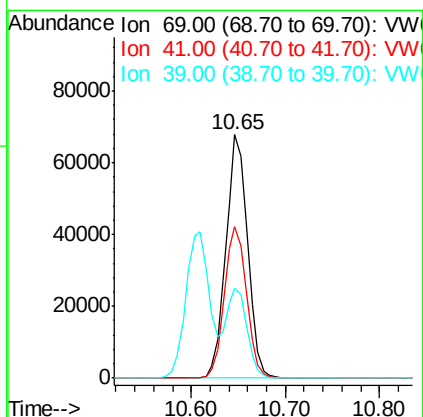
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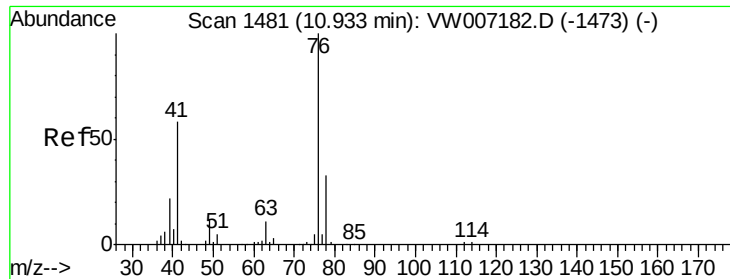
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#56
 Ethyl methacrylate
 Concen: 103.006 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW007184.D
 Acq: 04 Dec 2018 13:20

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	107902		
41	63.1	51.8	77.6	
39	36.0	28.7	43.1	





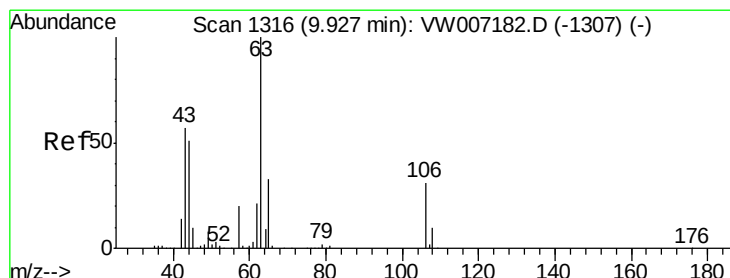
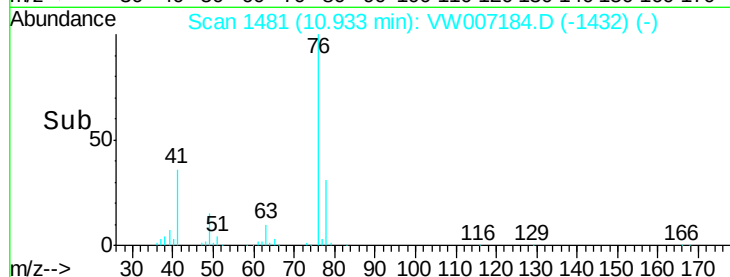
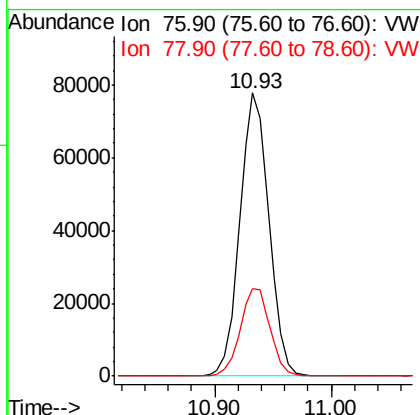
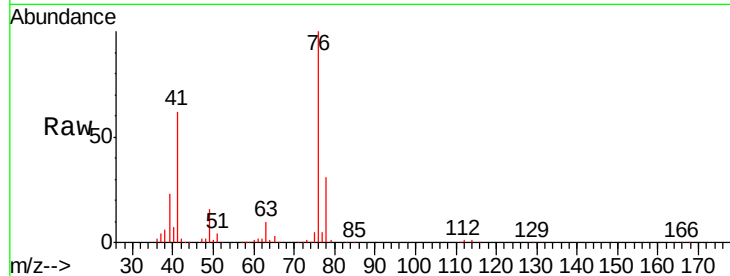
#57
 1,3-Dichloropropane
 Concen: 99.714 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW007184.D
 Acq: 04 Dec 2018 13:20

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC100

Tgt Ion: 76 Resp: 135191
 Ion Ratio Lower Upper
 76 100
 78 31.8 26.6 40.0

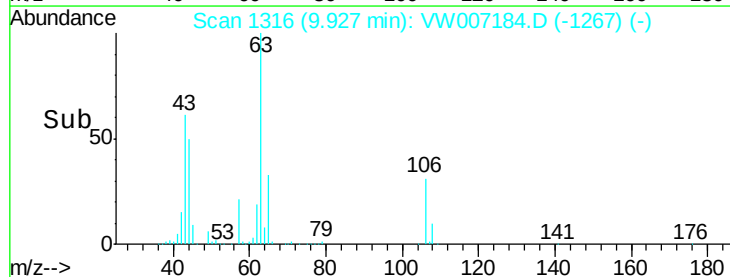
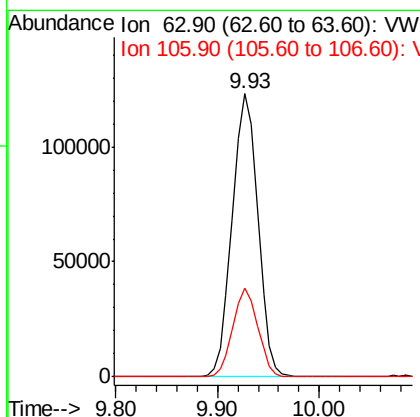
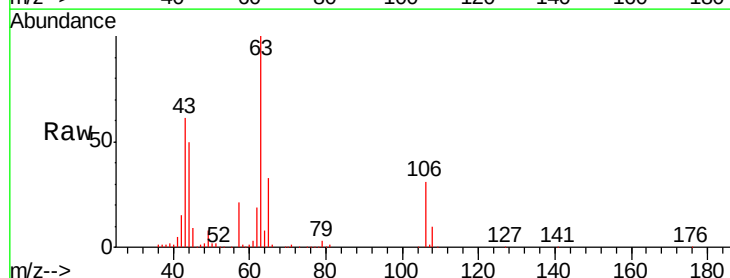
Manual Integrations
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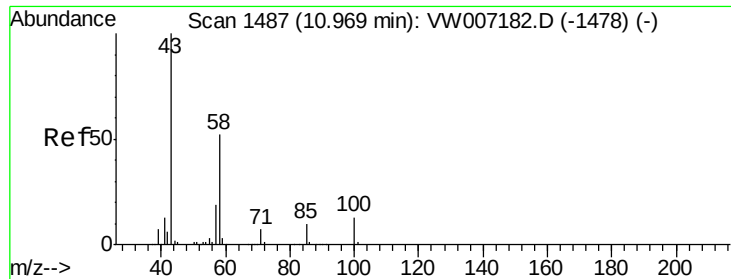
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#58
 2-Chloroethyl Vinyl ether
 Concen: 509.322 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW007184.D
 Acq: 04 Dec 2018 13:20

Tgt Ion: 63 Resp: 214300
 Ion Ratio Lower Upper
 63 100
 106 30.5 24.1 36.1





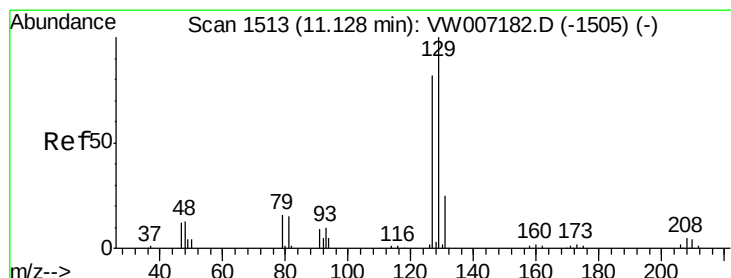
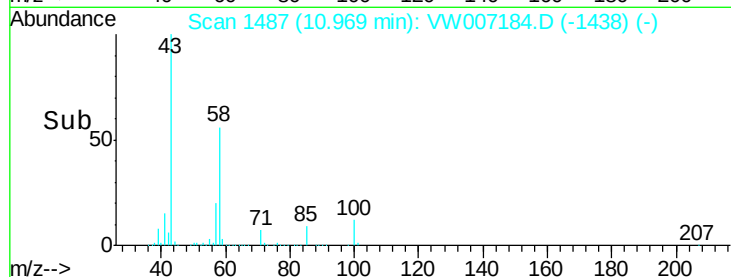
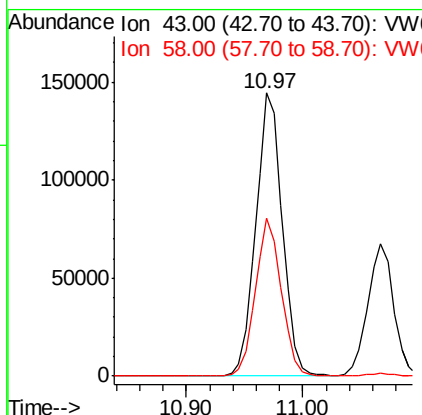
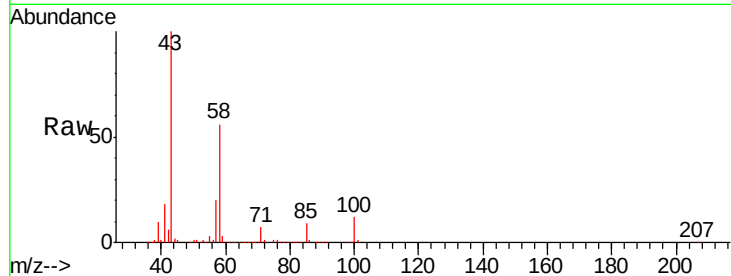
#59
2-Hexanone
Concen: 536.700 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW007184.D
Acq: 04 Dec 2018 13:20

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tgt Ion: 43 Resp: 229345
Ion Ratio Lower Upper
43 100
58 54.5 28.1 84.4

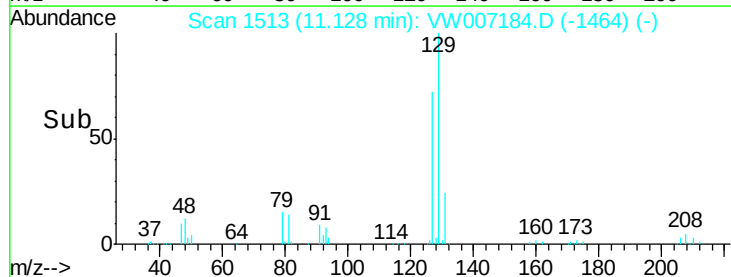
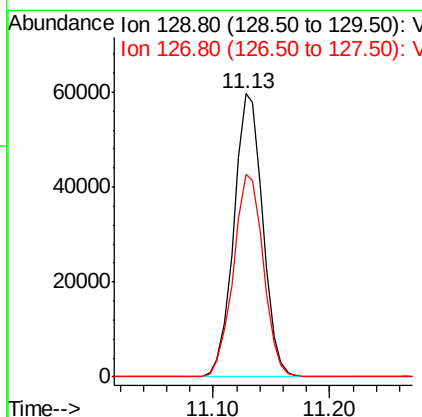
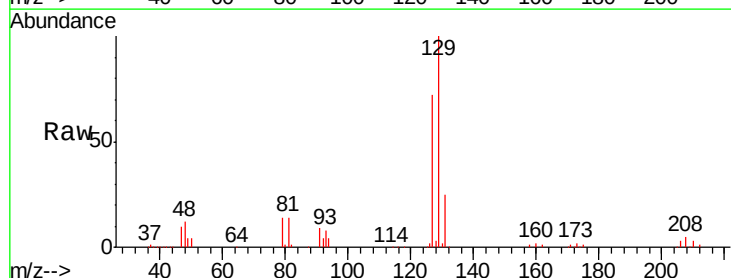
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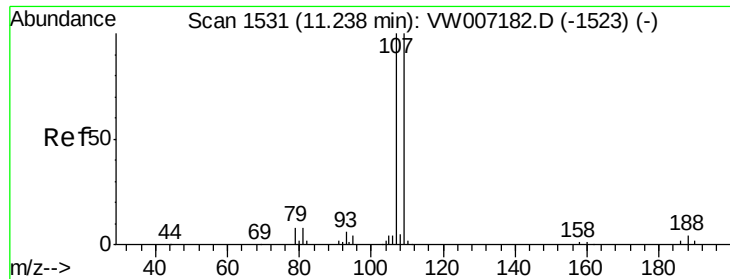
apatel
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#60
Dibromochloromethane
Concen: 104.370 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW007184.D
Acq: 04 Dec 2018 13:20

Tgt Ion: 129 Resp: 103012
Ion Ratio Lower Upper
129 100
127 74.5 39.8 119.4





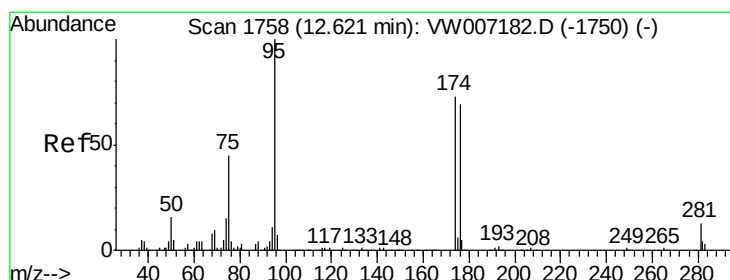
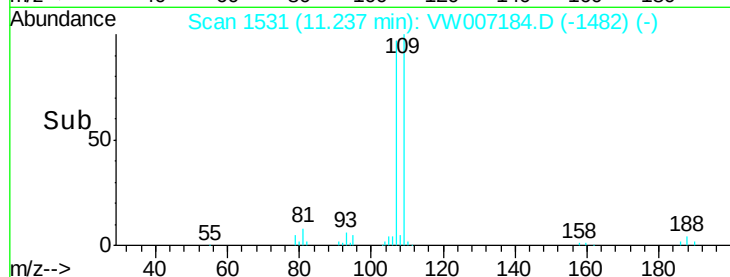
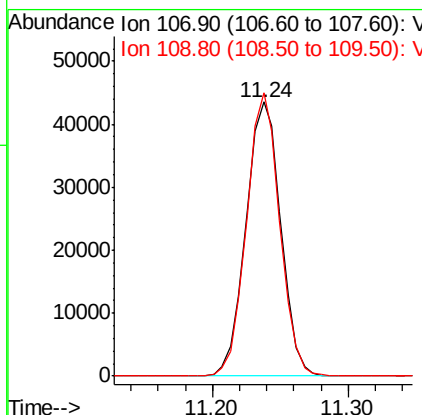
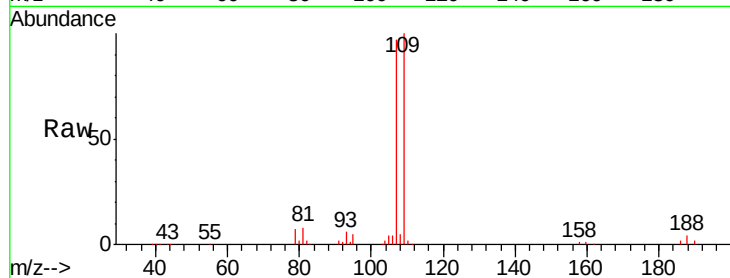
#61
1,2-Dibromoethane
Concen: 101.475 ug/l
RT: 11.24 min Scan# 1531
Delta R.T. -0.00 min
Lab File: VW007184.D
Acq: 04 Dec 2018 13:20

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	78160		
109	98.4	77.3	115.9	

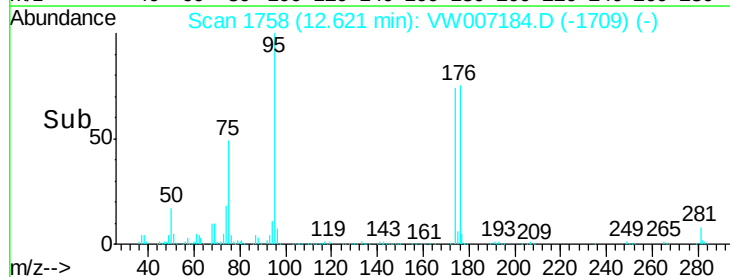
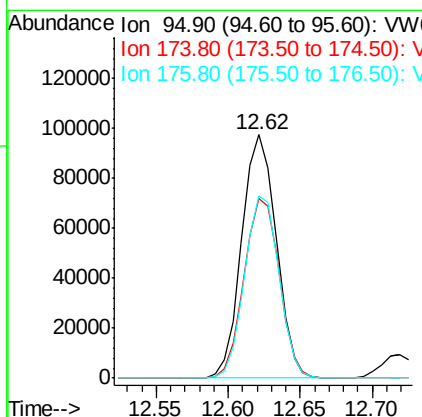
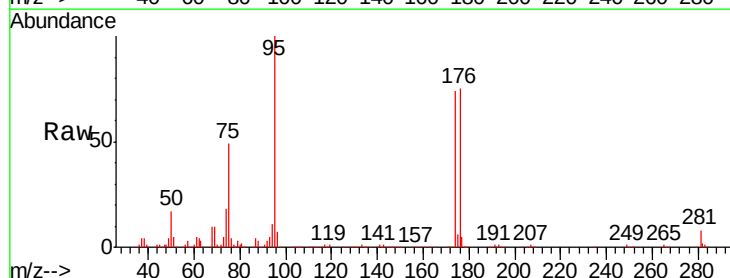
Manual Integrations
APPROVED

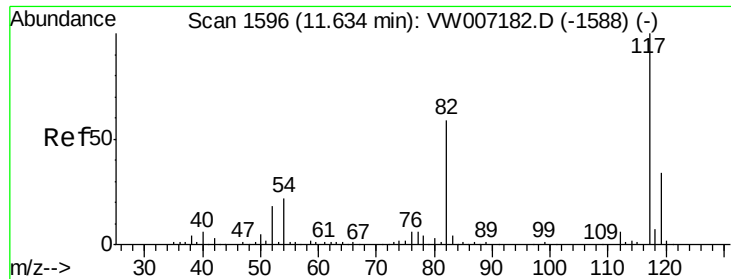
apatel
12/5/2018 12:43:43 PM



#62
4-Bromofluorobenzene
Concen: 97.280 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW007184.D
Acq: 04 Dec 2018 13:20

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	162059		
174	75.3	0.0	148.0	
176	74.3	0.0	139.4	





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW007184.D

Acq: 04 Dec 2018 13:20

Instrument :

MSVOA_W

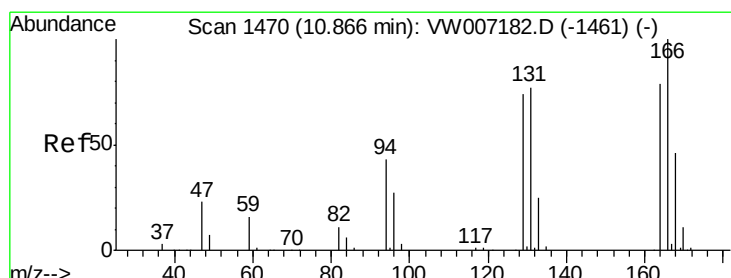
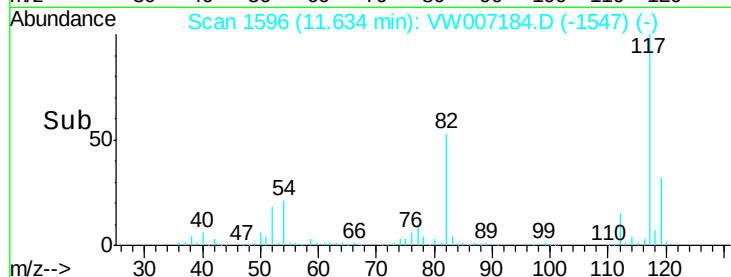
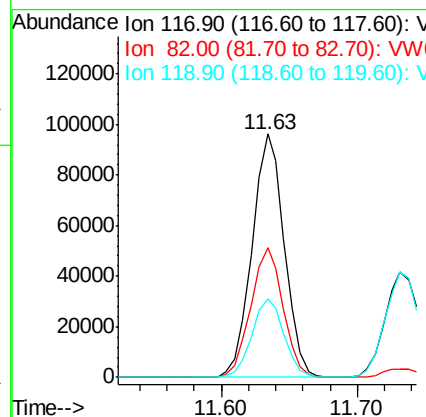
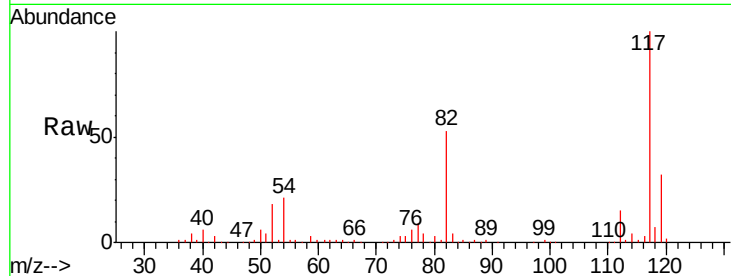
ClientSampleId :

VSTDIC100

Tgt Ion:	117	Resp:	159591
Ion Ratio	Lower	Upper	
117	100		
82	53.0	47.4	71.2
119	32.0	26.8	40.2

Manual Integrations
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#64

Tetrachloroethene

Concen: 94.632 ug/l

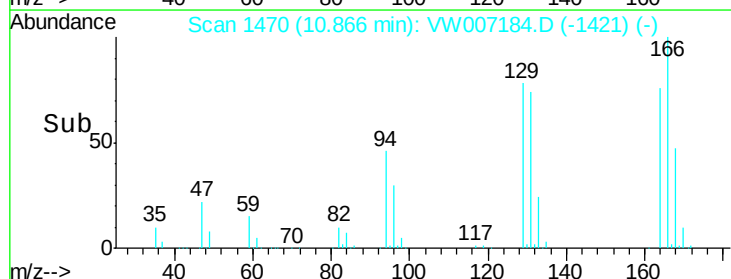
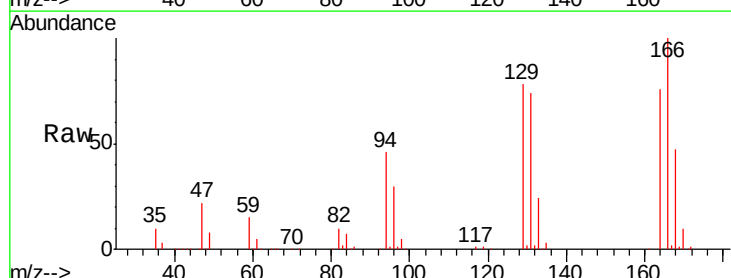
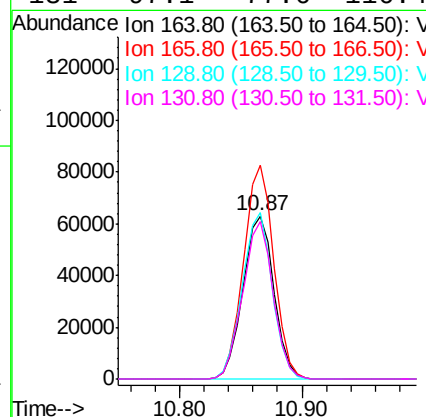
RT: 10.87 min Scan# 1470

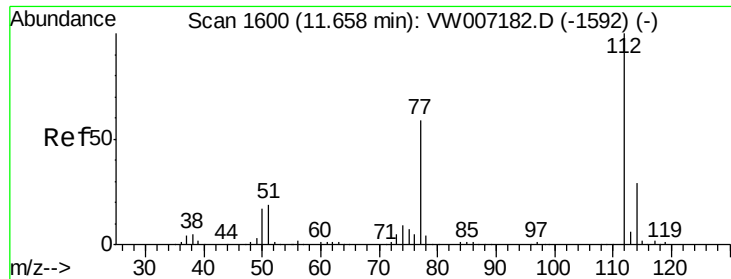
Delta R.T. -0.00 min

Lab File: VW007184.D

Acq: 04 Dec 2018 13:20

Tgt Ion:	164	Resp:	110341
Ion Ratio	Lower	Upper	
164	100		
166	131.2	101.0	151.4
129	102.6	74.6	111.8
131	97.1	77.6	116.4





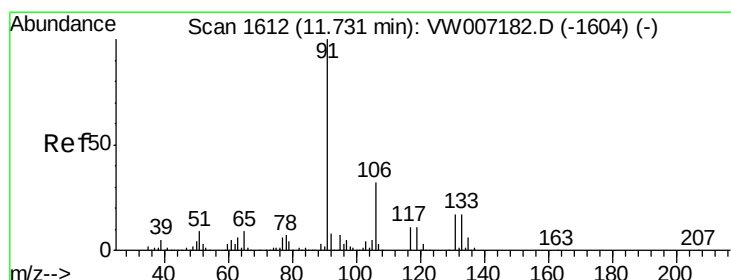
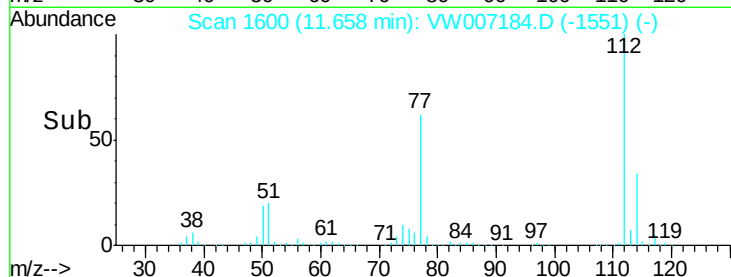
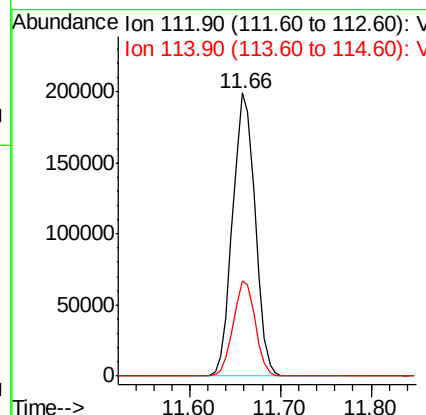
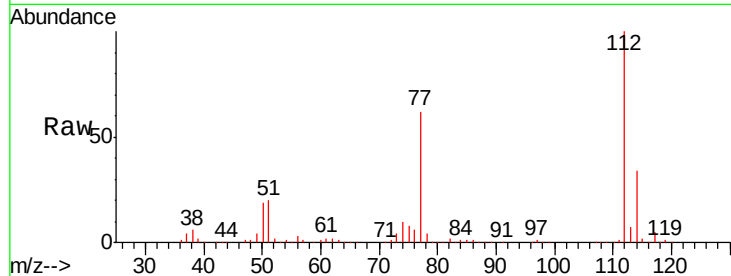
#65
Chlorobenzene
Concen: 96.089 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW007184.D
Acq: 04 Dec 2018 13:20

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tgt Ion:112 Resp: 342486
Ion Ratio Lower Upper
112 100
114 33.7 23.0 34.4

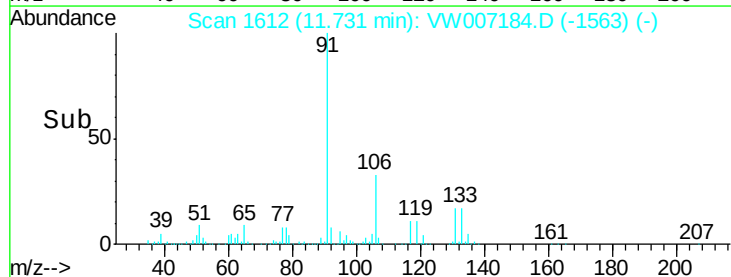
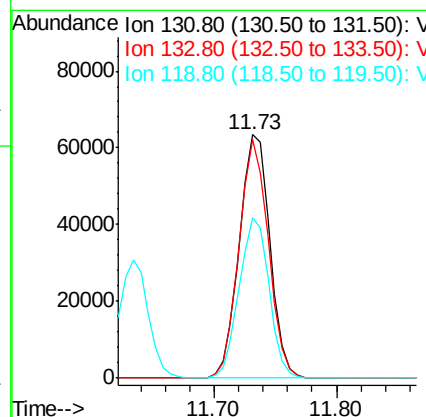
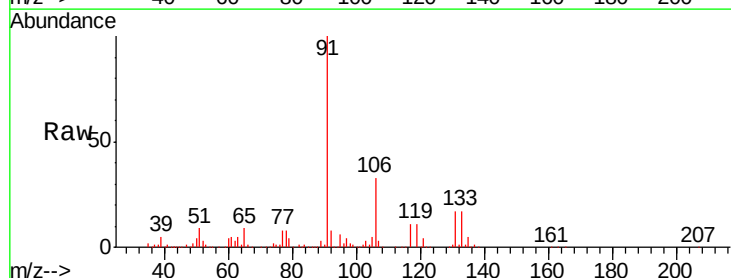
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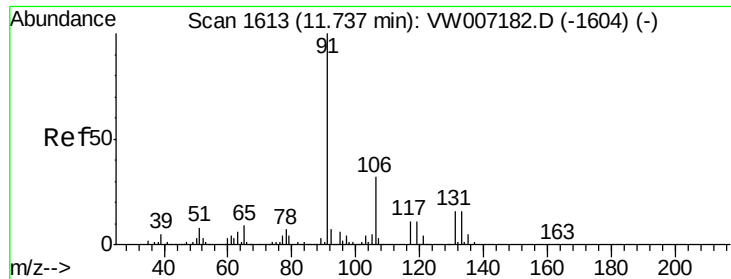
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#66
1,1,1,2-Tetrachloroethane
Concen: 99.568 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007184.D
Acq: 04 Dec 2018 13:20

Tgt Ion:131 Resp: 109602
Ion Ratio Lower Upper
131 100
133 94.3 48.0 144.2
119 64.6 32.8 98.4





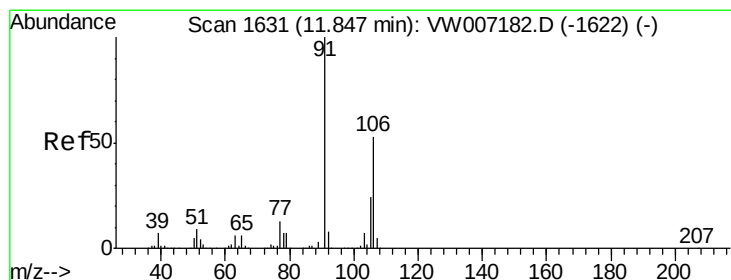
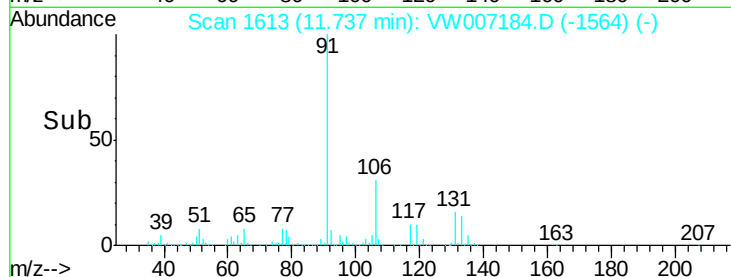
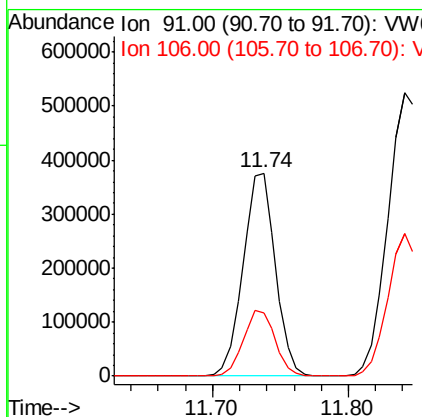
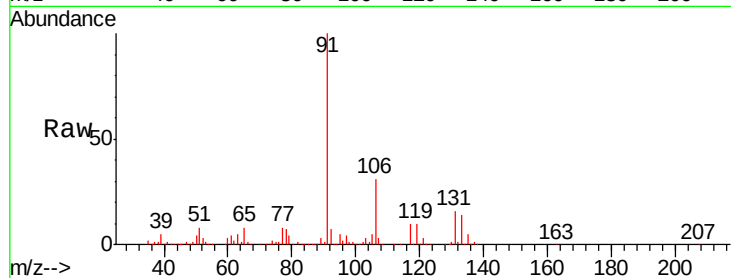
#67
Ethyl Benzene
Concen: 95.791 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. -0.00 min
Lab File: VW007184.D
Acq: 04 Dec 2018 13:20

Instrument :
MSVOA_W
ClientSampled :
VSTDIC100

Tgt Ion: 91 Resp: 622279
Ion Ratio Lower Upper
91 100
106 31.4 26.0 39.0

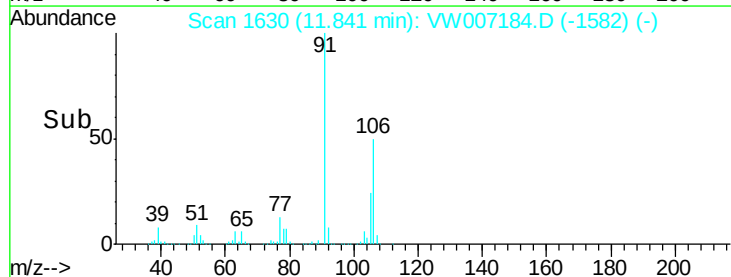
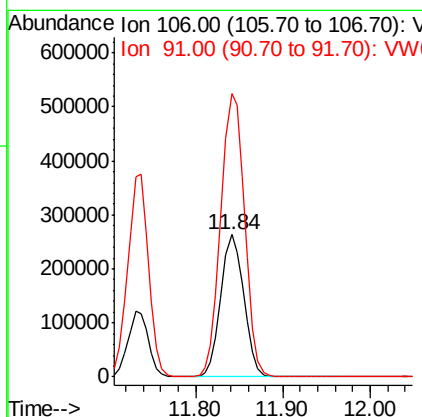
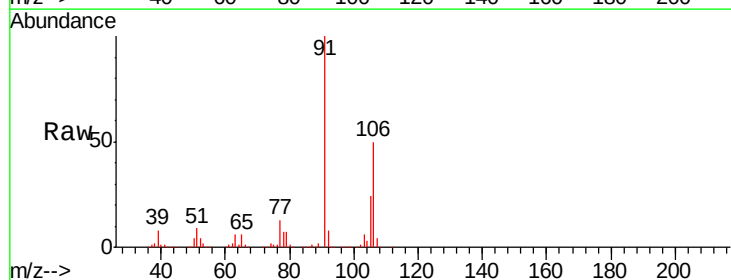
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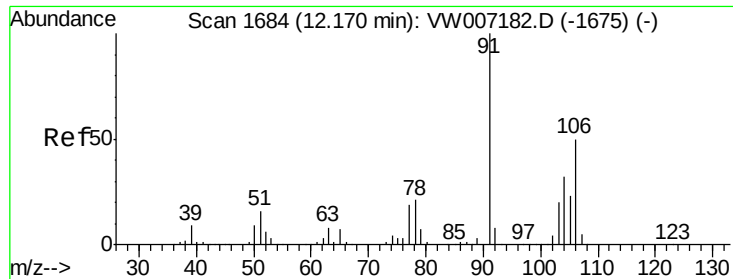
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#68
m/p-Xylenes
Concen: 189.073 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.01 min
Lab File: VW007184.D
Acq: 04 Dec 2018 13:20

Tgt Ion: 106 Resp: 481852
Ion Ratio Lower Upper
106 100
91 205.6 160.2 240.4





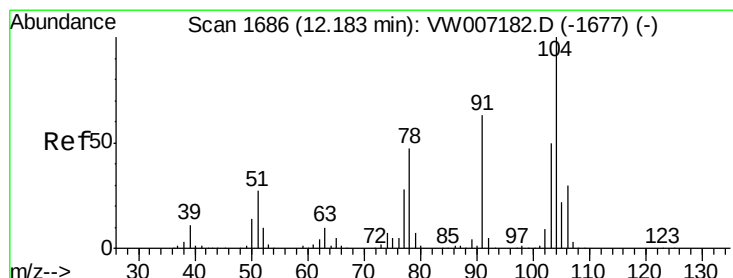
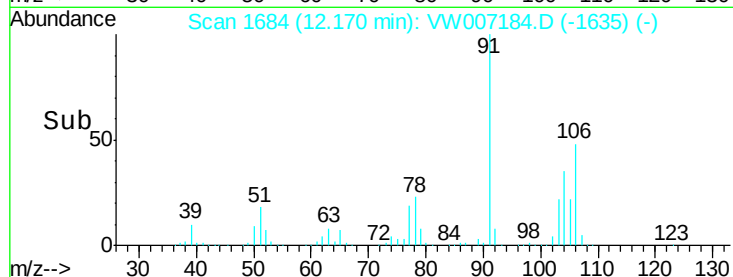
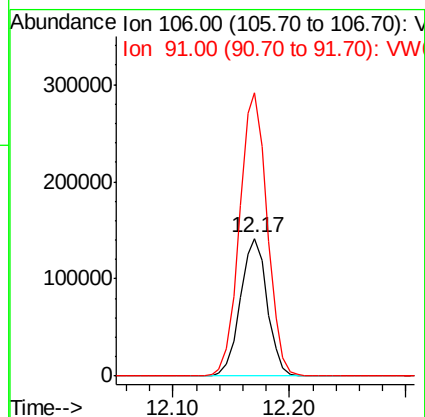
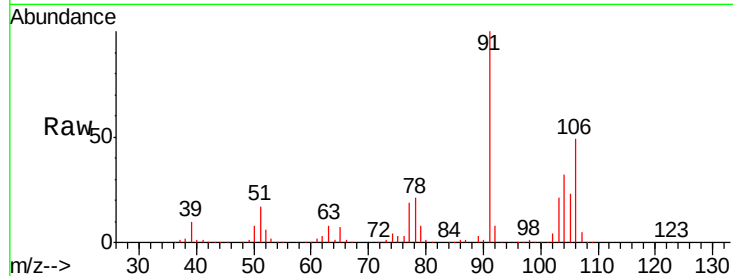
#69
o-Xylene
Concen: 95.635 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW007184.D
Acq: 04 Dec 2018 13:20

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tgt Ion:106 Resp: 227711
Ion Ratio Lower Upper
106 100
91 212.0 104.9 314.7

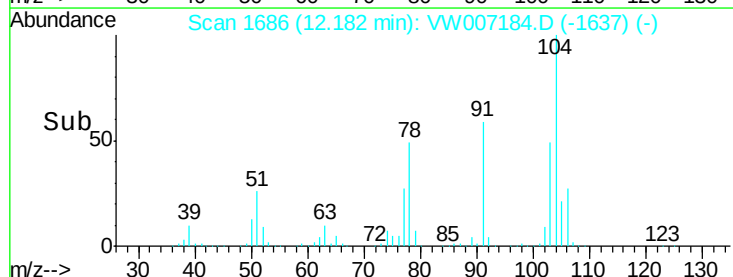
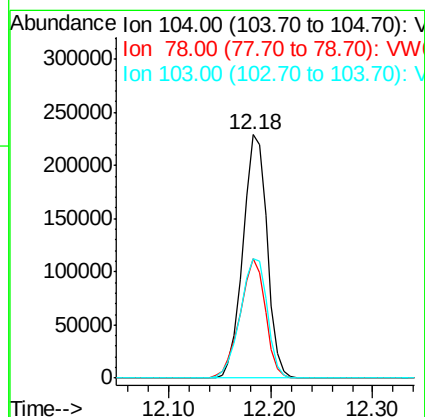
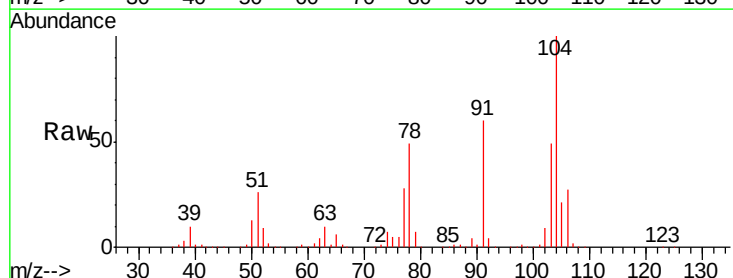
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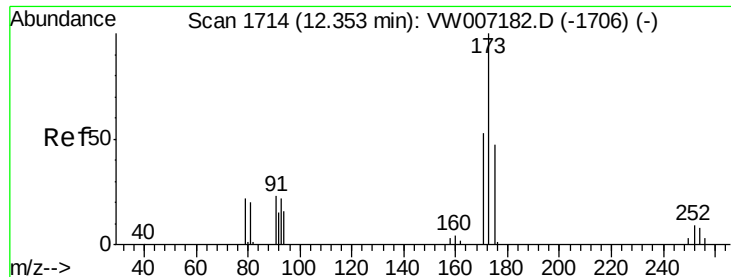
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#70
Styrene
Concen: 96.414 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW007184.D
Acq: 04 Dec 2018 13:20

Tgt Ion:104 Resp: 375792
Ion Ratio Lower Upper
104 100
78 51.4 40.6 60.8
103 54.5 43.0 64.4





#71

Bromoform

Concen: 104.582 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW007184.D

Acq: 04 Dec 2018 13:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tgt Ion:173 Resp: 57629

Ion Ratio Lower Upper

173 100

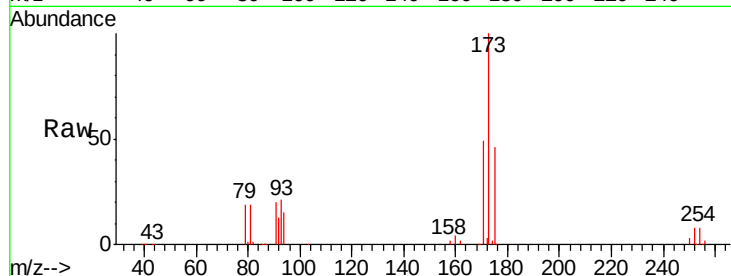
175 47.3 24.0 72.0

254 0.1 0.0 0.0#

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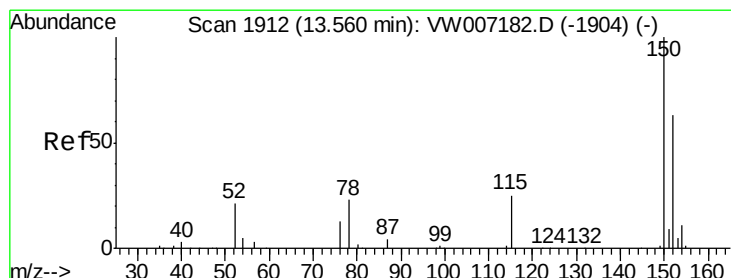
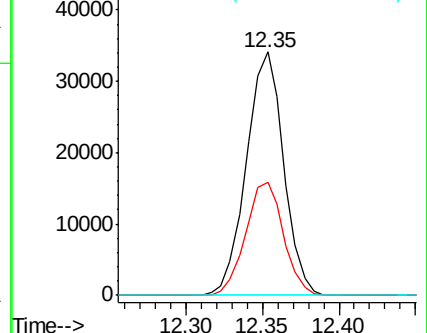
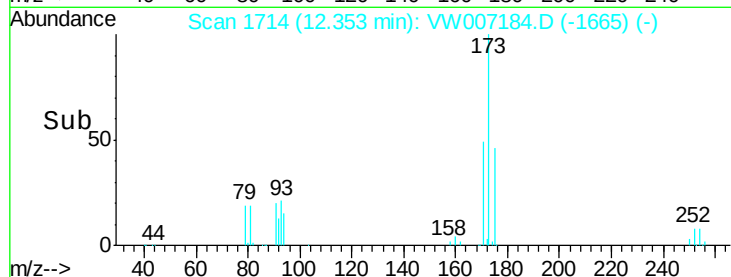
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. 0.01 min

Lab File: VW007184.D

Acq: 04 Dec 2018 13:20

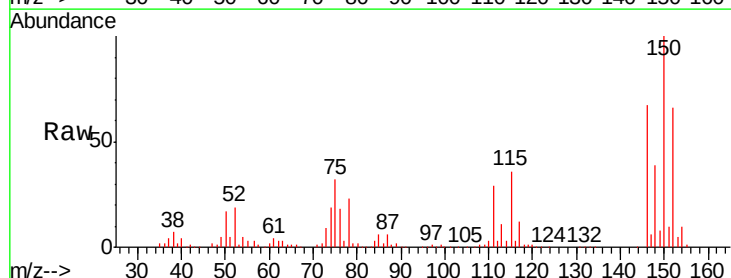
Tgt Ion:152 Resp: 81437

Ion Ratio Lower Upper

152 100

115 61.2 31.3 93.8

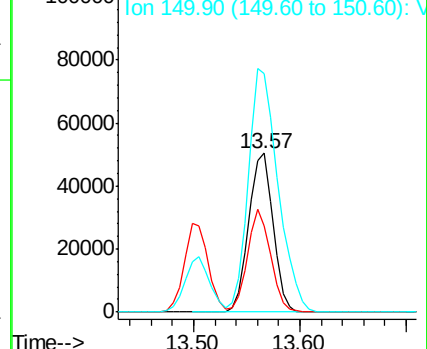
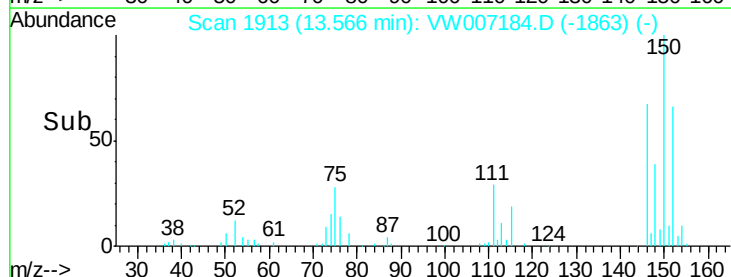
150 186.0 0.0 358.0

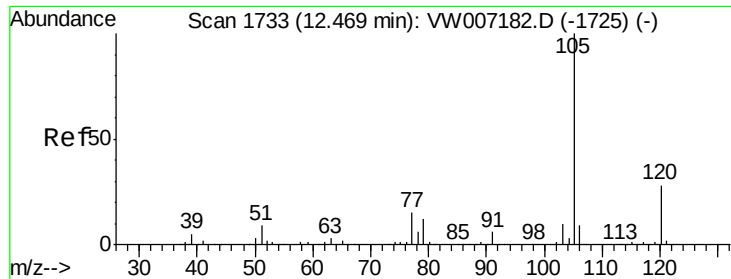


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 96.062 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW007184.D

Acq: 04 Dec 2018 13:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tgt Ion: 105 Resp: 636273

Ion Ratio Lower Upper

105 100

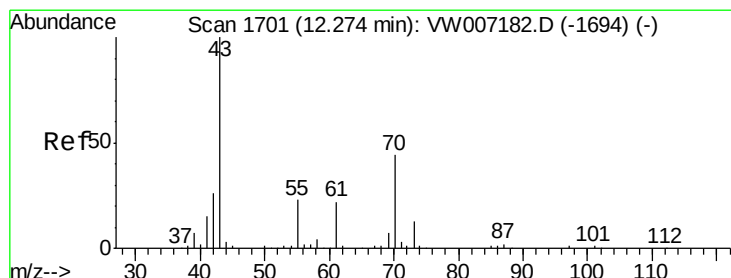
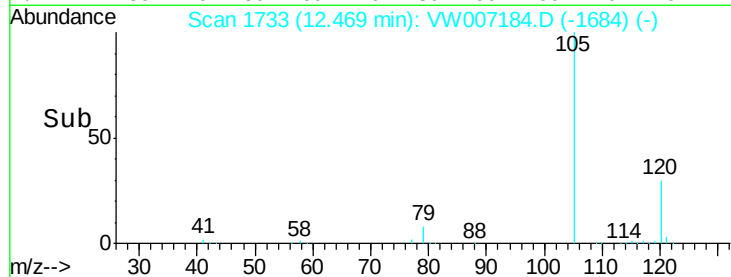
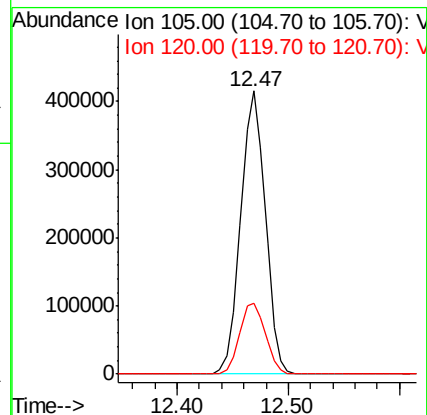
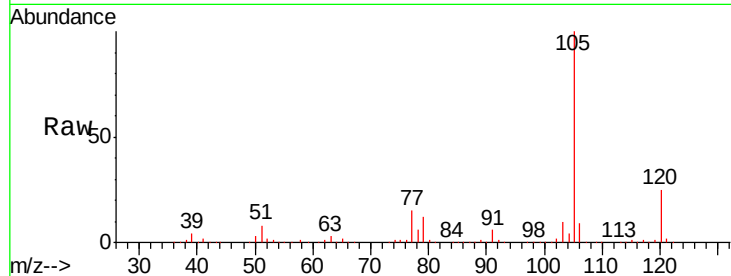
120 26.3 13.2 39.6

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#74

N-ethyl acetate

Concen: 97.543 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW007184.D

Acq: 04 Dec 2018 13:20

Tgt Ion: 43 Resp: 114549

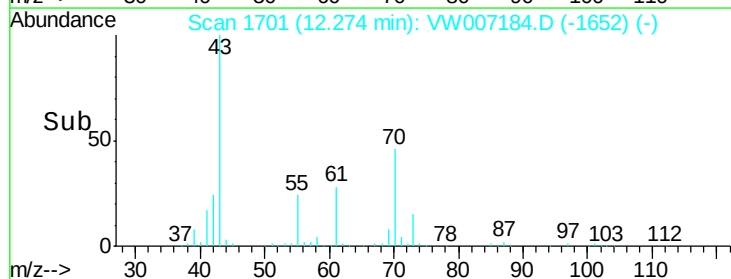
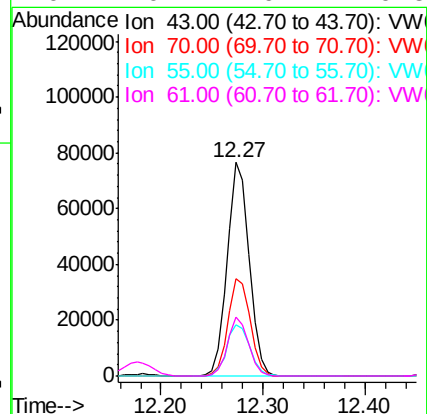
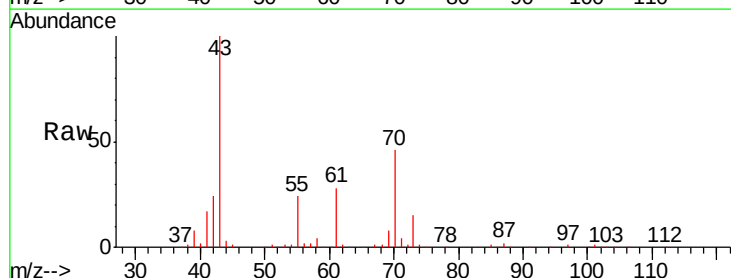
Ion Ratio Lower Upper

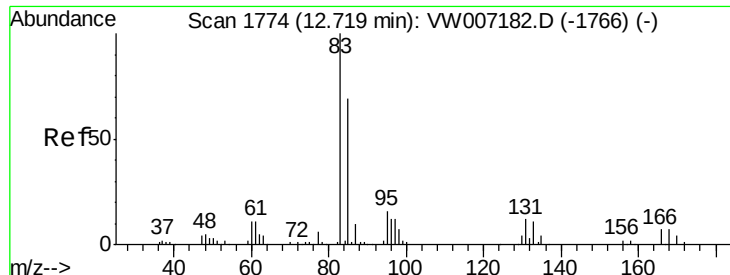
43 100

70 46.1 34.0 51.0

55 25.1 19.0 28.6

61 26.4 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 99.051 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW007184.D

Acq: 04 Dec 2018 13:20

Instrument :

MSVOA_W

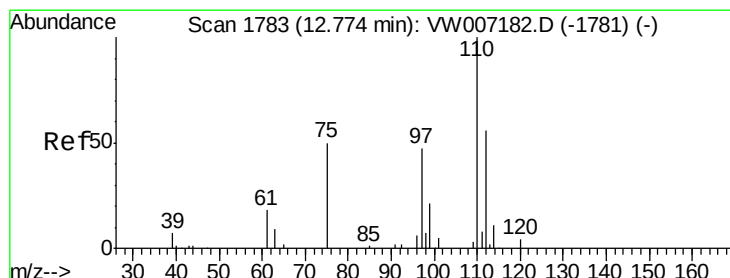
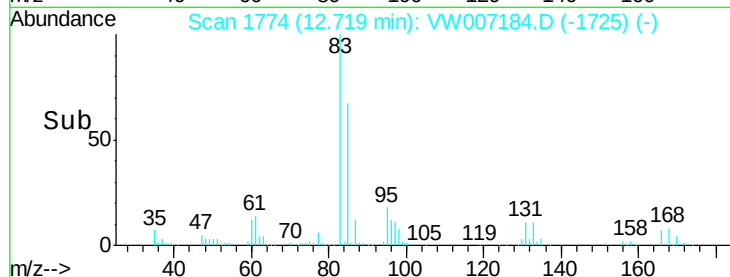
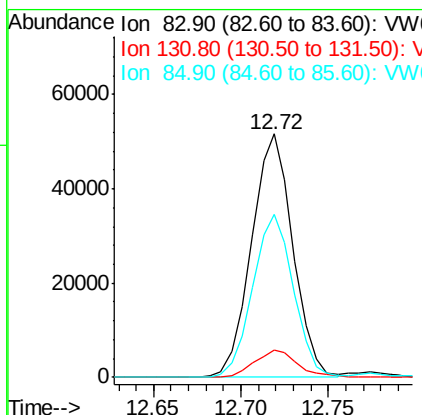
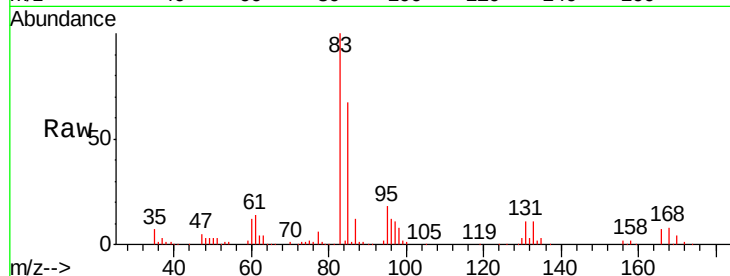
ClientSampleId :

VSTDIC100

Tgt Ion:	83	Resp:	85205
Ion Ratio	Lower	Upper	
83	100		
131	11.8	6.0	18.1
85	66.0	33.0	99.0

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#76

1,2,3-Trichloropropane

Concen: 61.817 ug/l m

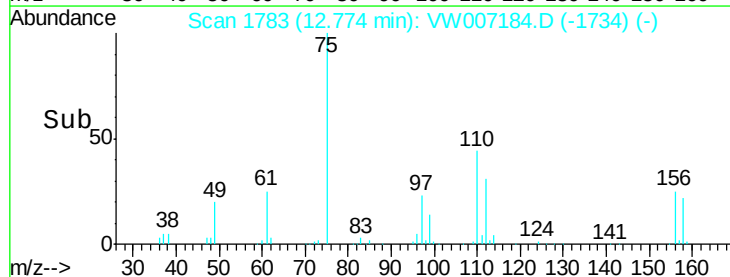
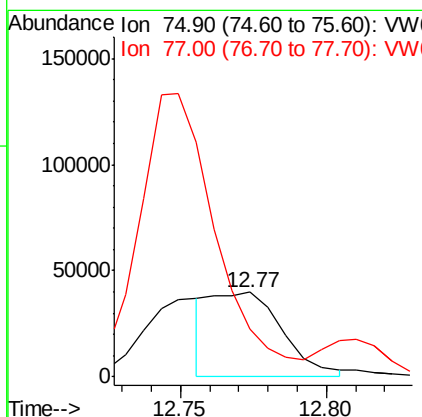
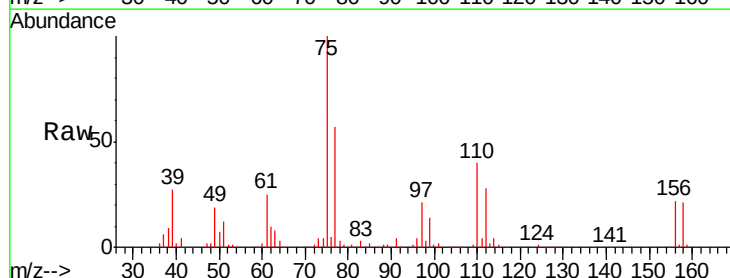
RT: 12.77 min Scan# 1783

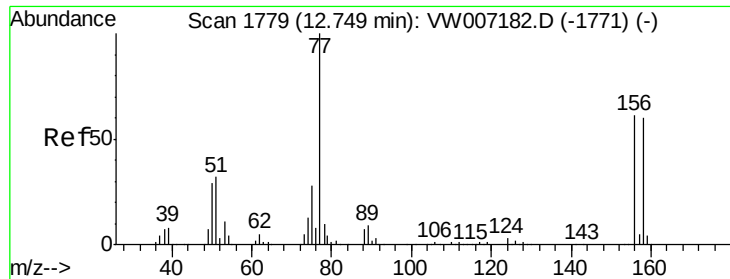
Delta R.T. -0.00 min

Lab File: VW007184.D

Acq: 04 Dec 2018 13:20

Tgt Ion:	75	Resp:	67662
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 95.332 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW007184.D

Acq: 04 Dec 2018 13:20

Instrument :

MSVOA_W

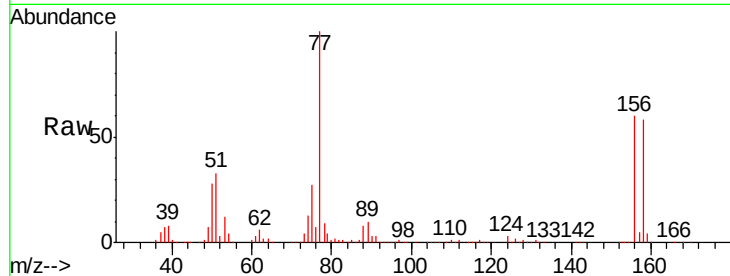
ClientSampleId :

VSTDIC100

Tgt Ion:	156	Resp:	136298
Ion Ratio	Lower	Upper	
156	100		
77	182.8	92.0	276.1
158	96.6	49.0	147.0

Manual Integrations
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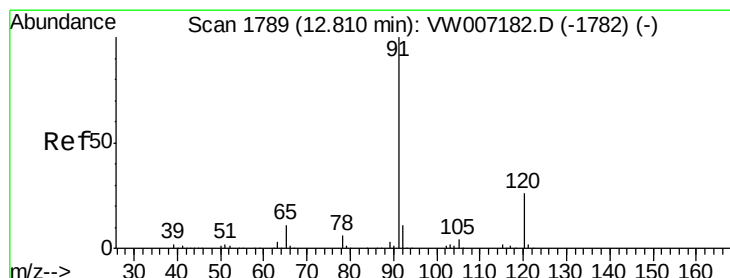
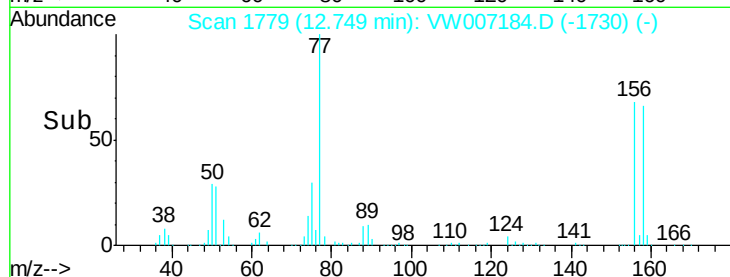
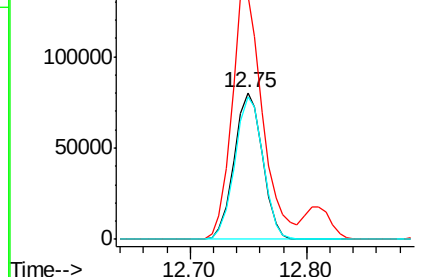
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 92.187 ug/l

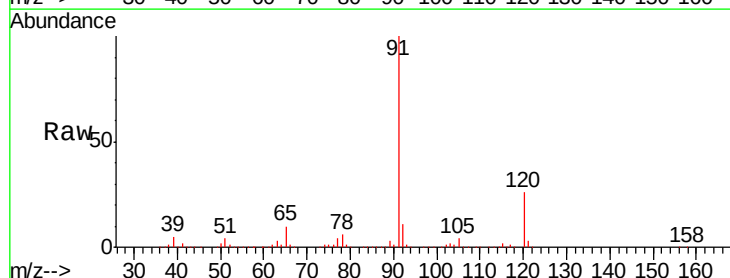
RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW007184.D

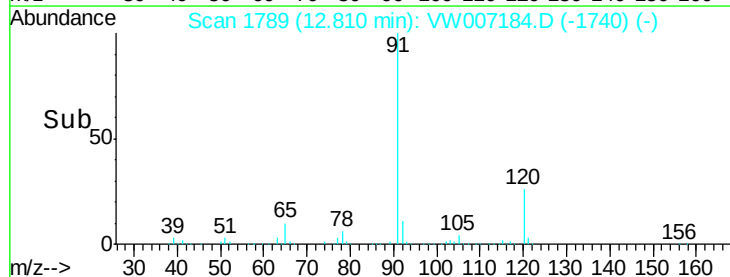
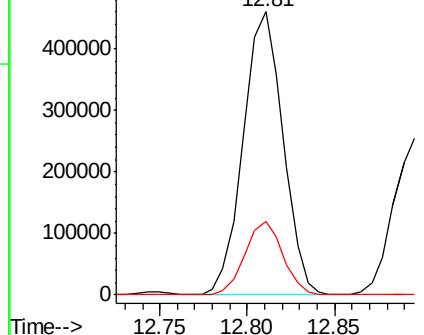
Acq: 04 Dec 2018 13:20

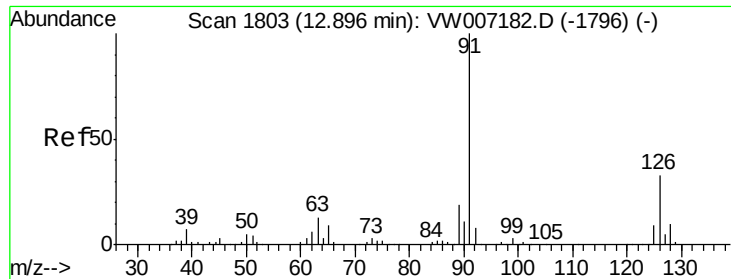
Tgt Ion:	91	Resp:	727457
Ion Ratio	Lower	Upper	
91	100		
120	24.7	12.5	37.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 93.457 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW007184.D

Acq: 04 Dec 2018 13:20

Instrument :

MSVOA_W

ClientSampled :

VSTDIC100

Tgt Ion: 91 Resp: 416456

Ion Ratio Lower Upper

91 100

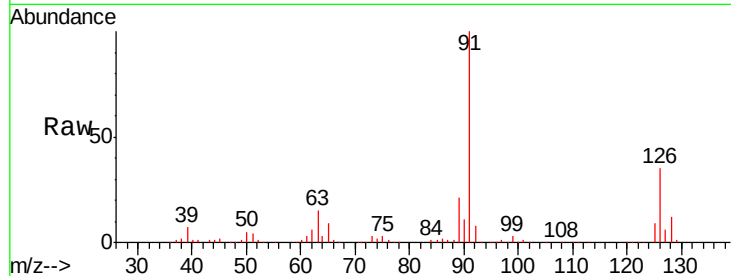
126 35.0 16.7 50.1

Manual Integrations

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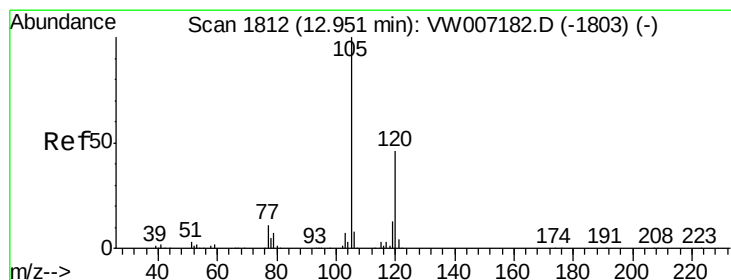
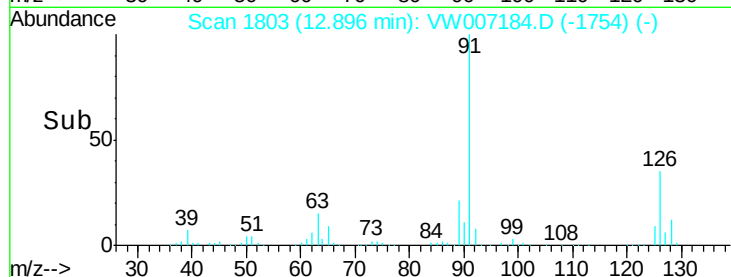
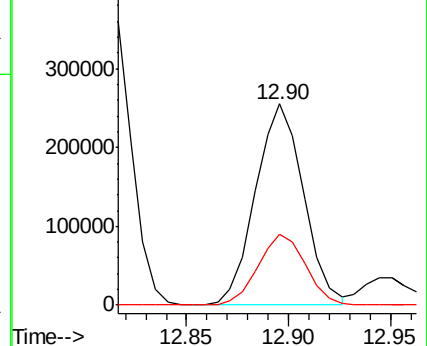
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 94.412 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. -0.00 min

Lab File: VW007184.D

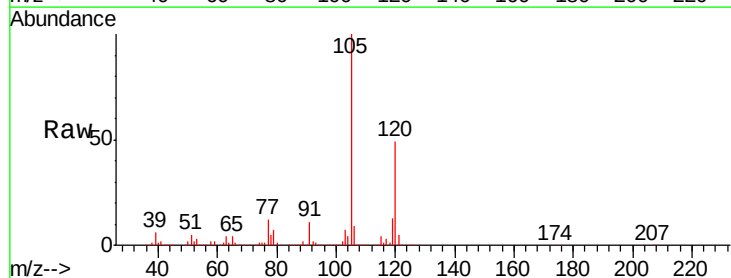
Acq: 04 Dec 2018 13:20

Tgt Ion: 105 Resp: 534966

Ion Ratio Lower Upper

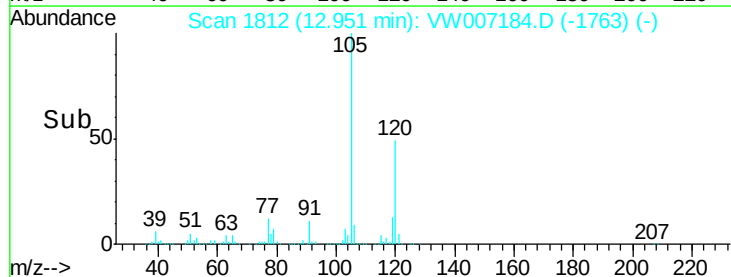
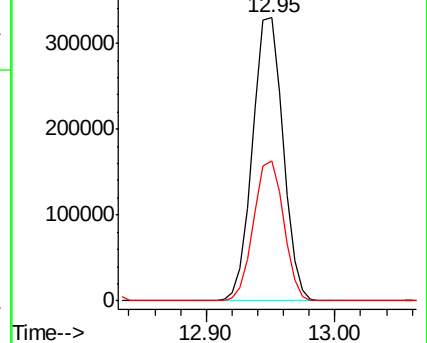
105 100

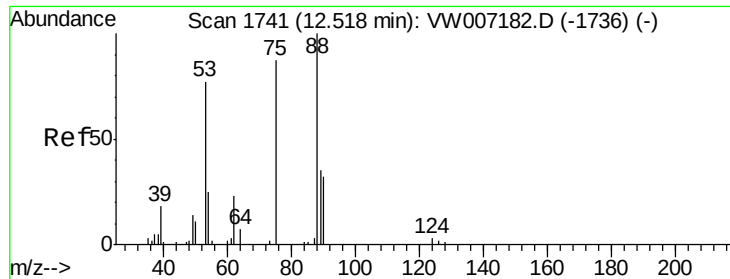
120 49.3 23.8 71.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





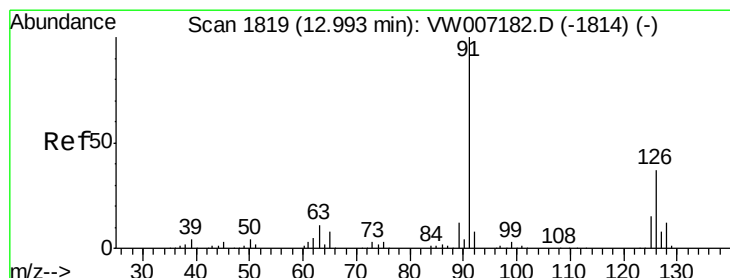
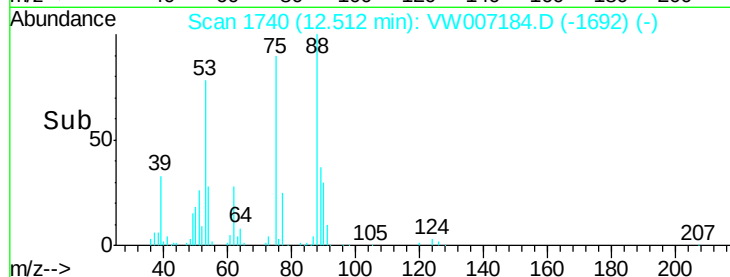
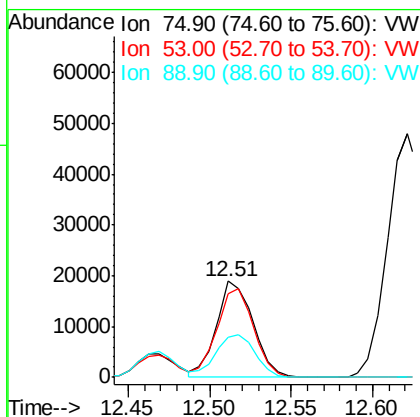
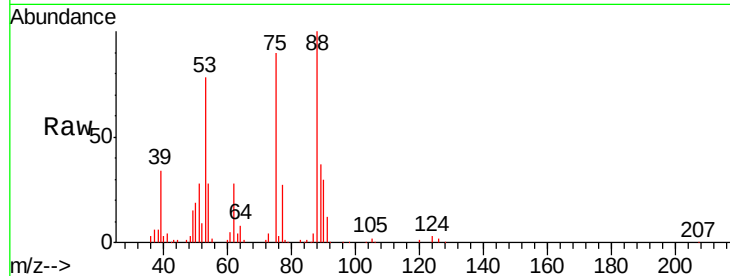
#81
trans-1,4-Dichloro-2-butene
Concen: 101.890 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.01 min
Lab File: VW007184.D
Acq: 04 Dec 2018 13:20

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tgt Ion	Ratio	Lower	Upper
75	100		
53	93.0	72.8	109.2
89	47.5	36.4	54.6

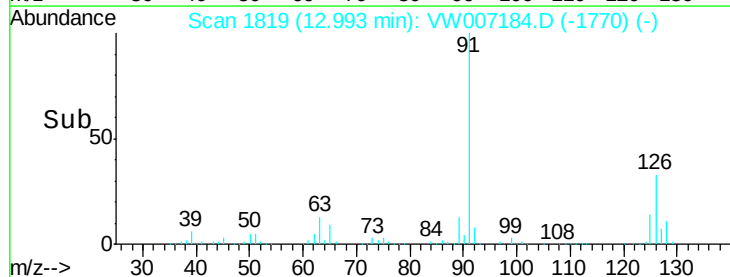
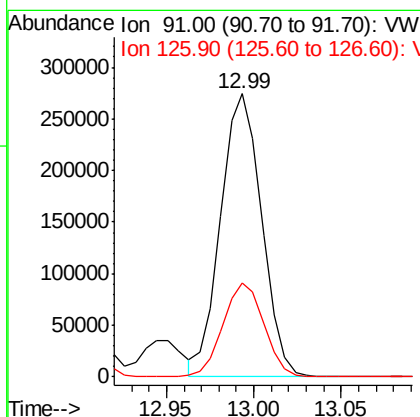
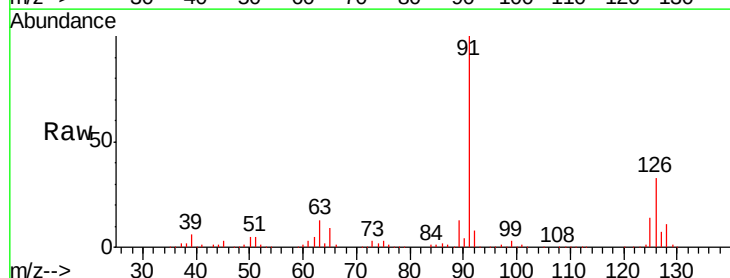
Manual Integrations
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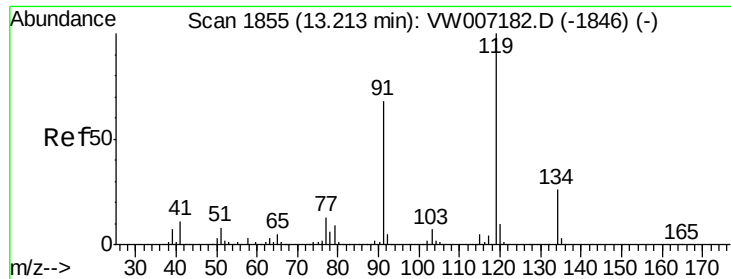
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#82
4-Chlorotoluene
Concen: 94.101 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW007184.D
Acq: 04 Dec 2018 13:20

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.2	17.4	52.3





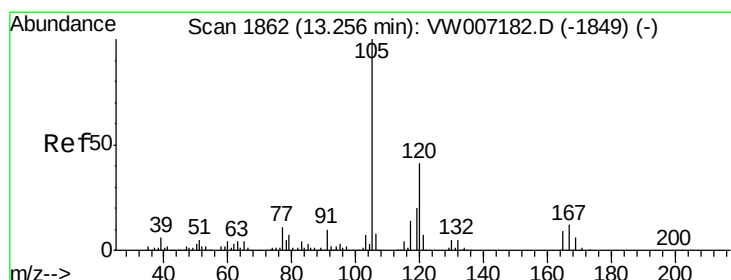
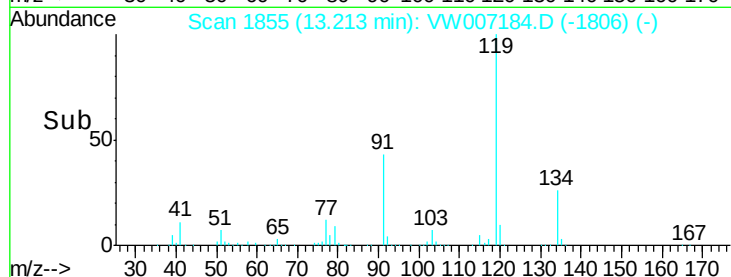
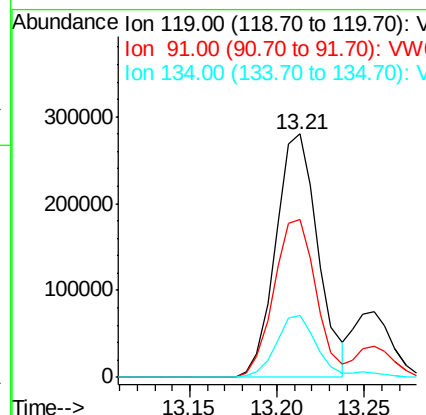
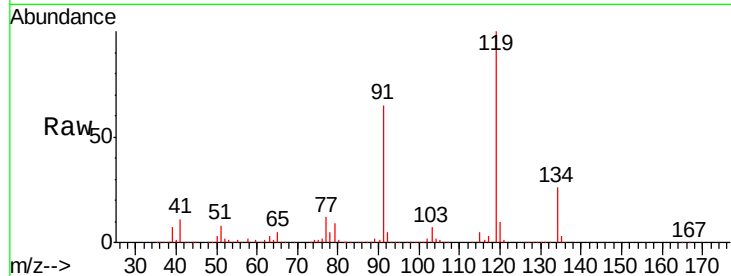
#83
 tert-Butylbenzene
 Concen: 95.466 ug/l
 RT: 13.21 min Scan# 1855
 Delta R.T. -0.00 min
 Lab File: VW007184.D
 Acq: 04 Dec 2018 13:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tgt Ion	Ratio	Lower	Upper
119	100		
91	64.7	34.0	101.8
134	24.4	13.2	39.5

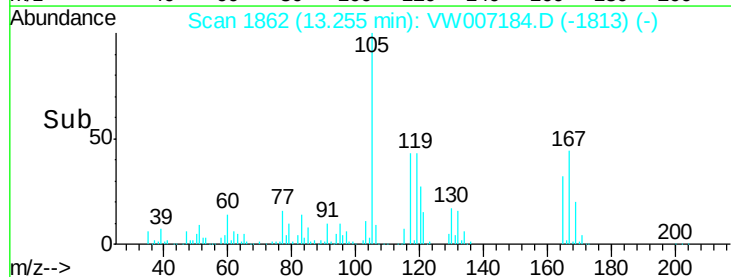
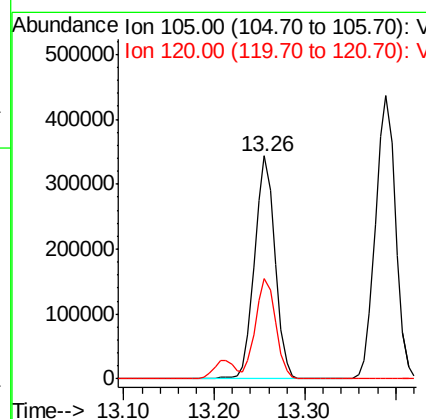
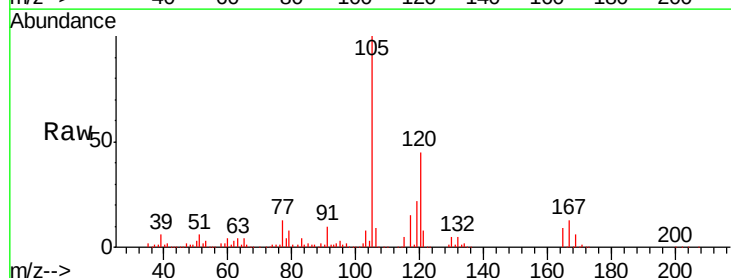
Manual Integrations
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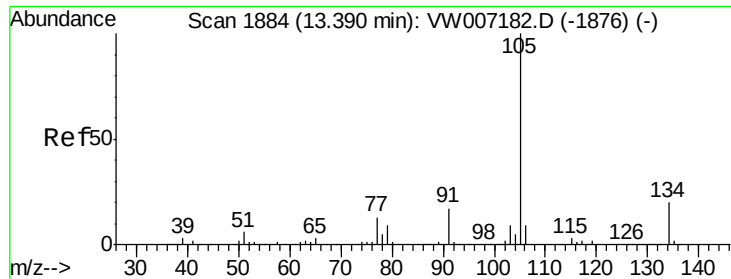
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#84
 1,2,4-Trimethylbenzene
 Concen: 92.803 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW007184.D
 Acq: 04 Dec 2018 13:20

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.2	21.1	63.3





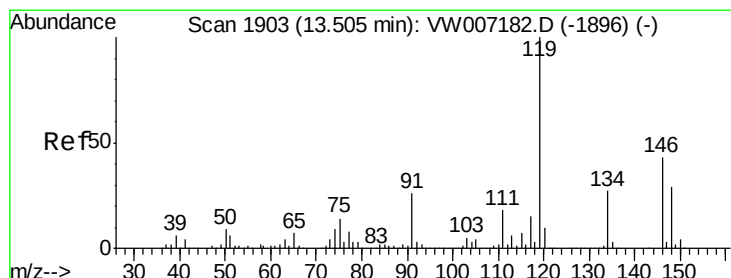
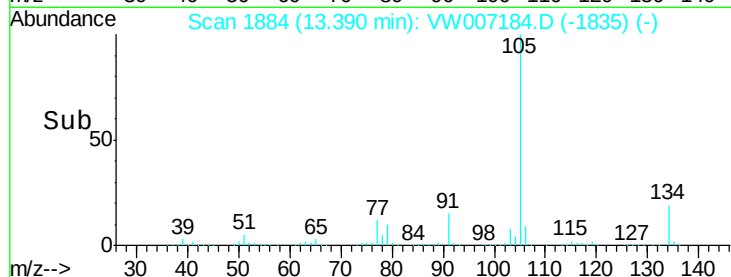
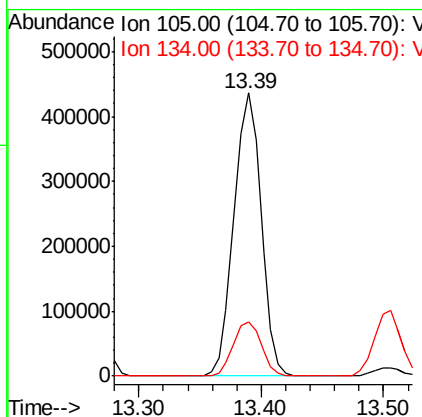
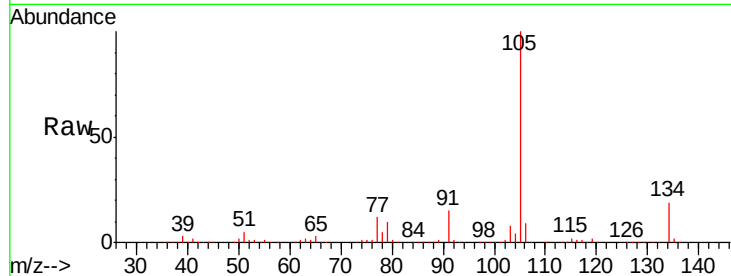
#85
 sec-Butylbenzene
 Concen: 94.991 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW007184.D
 Acq: 04 Dec 2018 13:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tgt Ion:105 Resp: 671505
 Ion Ratio Lower Upper
 105 100
 134 19.9 10.3 30.8

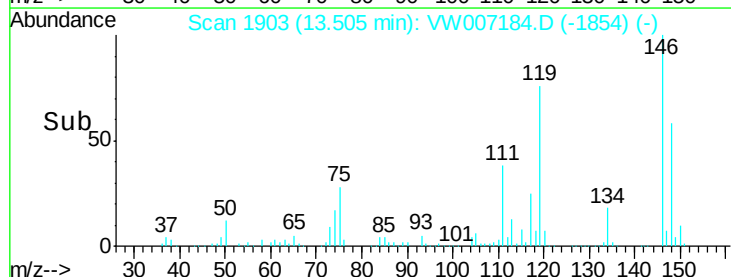
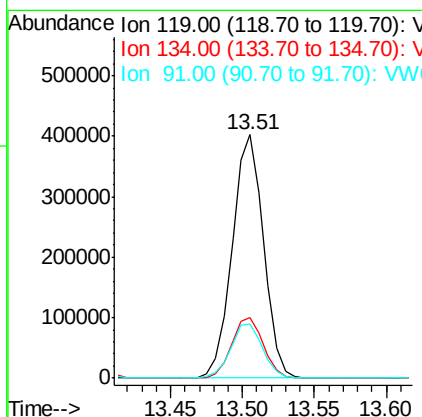
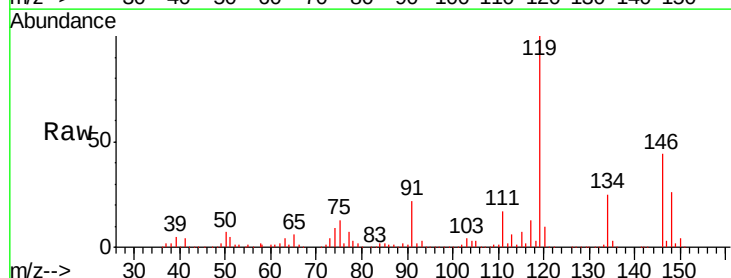
Manual Integrations
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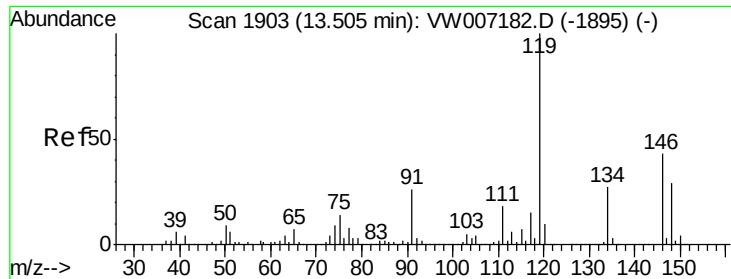
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#86
 p-Isopropyltoluene
 Concen: 96.345 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW007184.D
 Acq: 04 Dec 2018 13:20

Tgt Ion:119 Resp: 606293
 Ion Ratio Lower Upper
 119 100
 134 25.5 13.2 39.6
 91 23.0 12.4 37.2





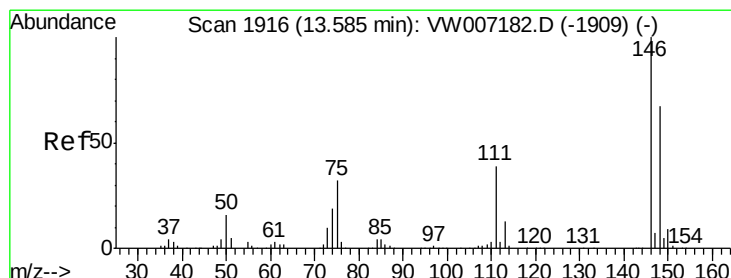
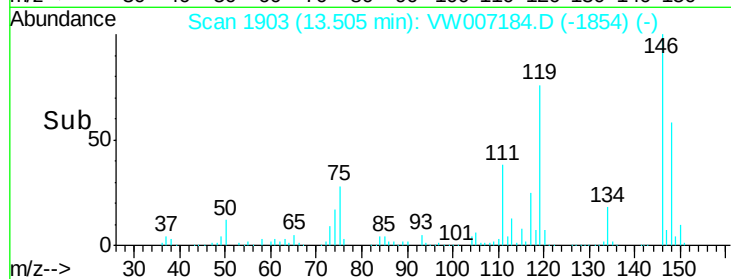
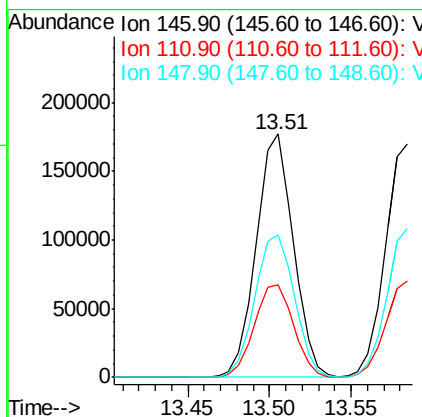
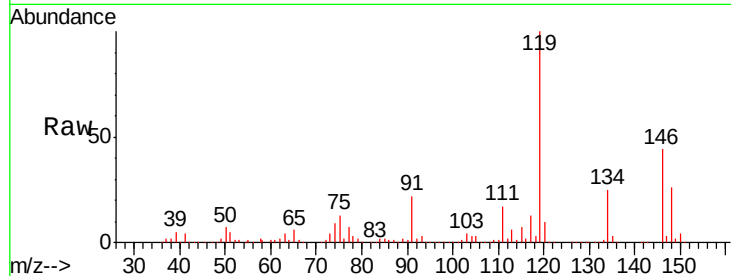
#87
 1,3-Dichlorobenzene
 Concen: 95.502 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW007184.D
 Acq: 04 Dec 2018 13:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	280298		
111	40.4	21.1	63.4	
148	62.1	32.8	98.4	

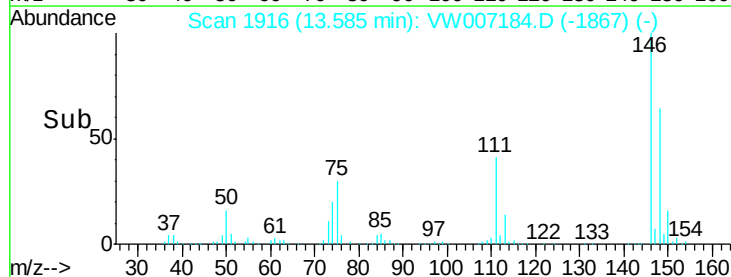
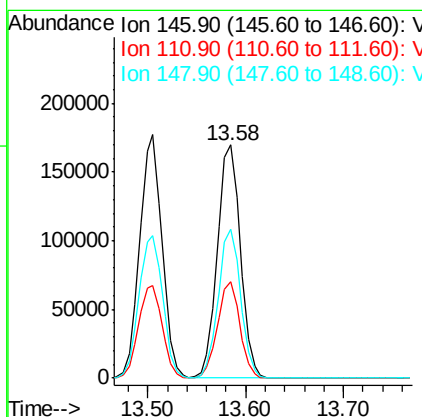
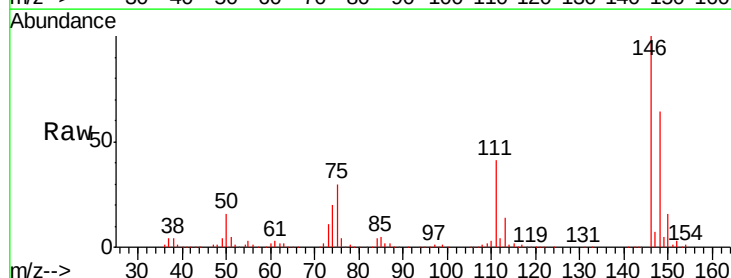
Manual Integrations
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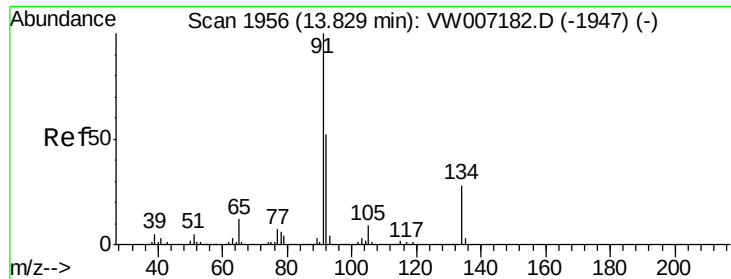
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#88
 1,4-Dichlorobenzene
 Concen: 93.671 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW007184.D
 Acq: 04 Dec 2018 13:20

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	277703		
111	40.2	19.6	58.8	
148	62.6	32.6	98.0	





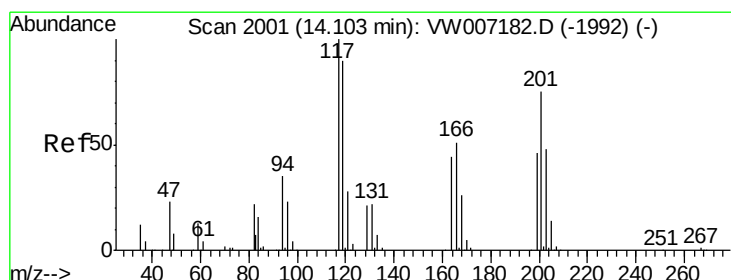
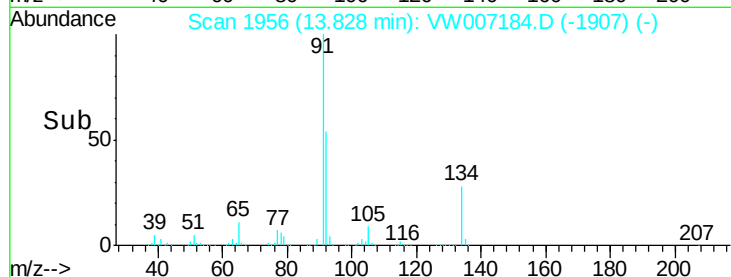
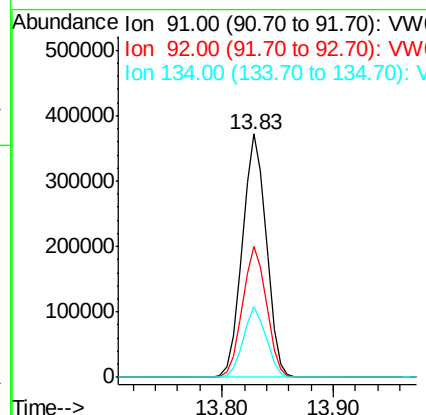
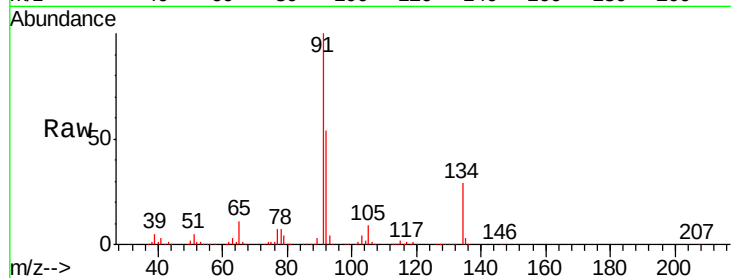
#89
n-Butylbenzene
Concen: 94.181 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW007184.D
Acq: 04 Dec 2018 13:20

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.8	26.5	79.5
134	27.8	14.1	42.2

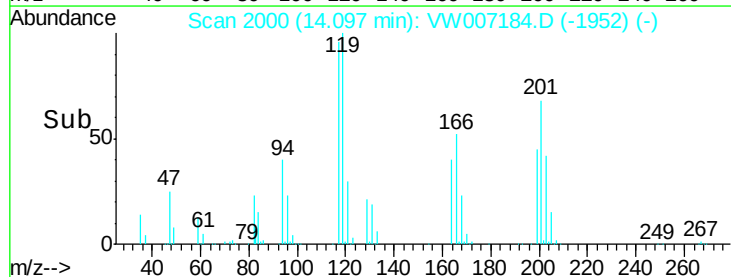
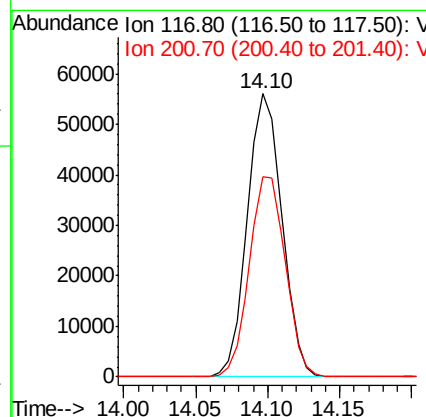
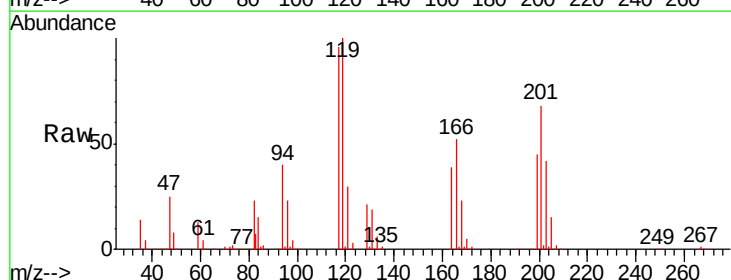
Manual Integrations
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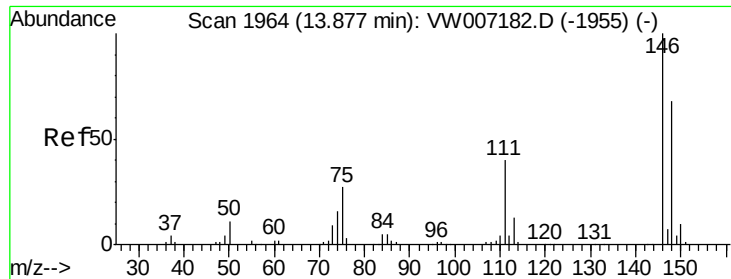
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#90
Hexachloroethane
Concen: 97.528 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.01 min
Lab File: VW007184.D
Acq: 04 Dec 2018 13:20

Tgt Ion	Ratio	Lower	Upper
117	100		
201	73.1	36.0	108.1





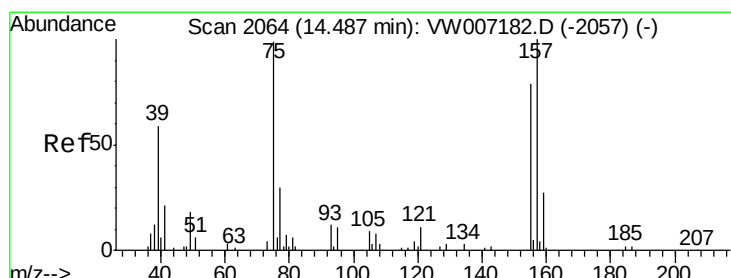
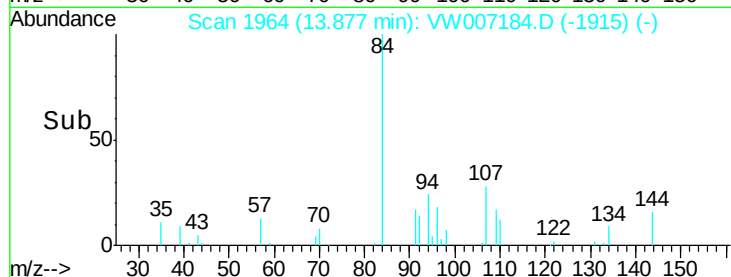
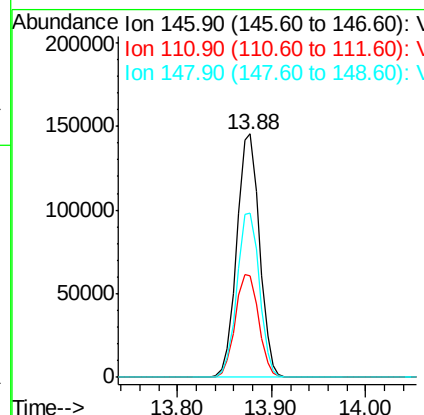
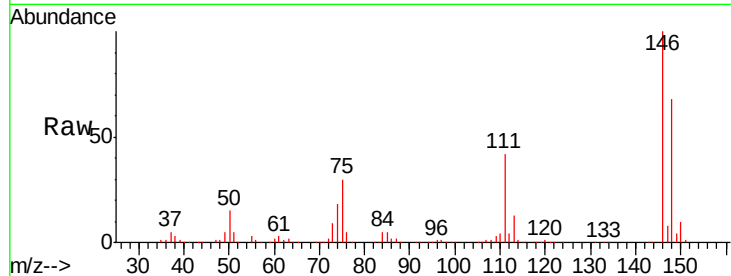
#91
 1,2-Dichlorobenzene
 Concen: 95.879 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. -0.00 min
 Lab File: VW007184.D
 Acq: 04 Dec 2018 13:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	243612		
111	43.6	21.6	65.0	
148	67.1	32.7	98.1	

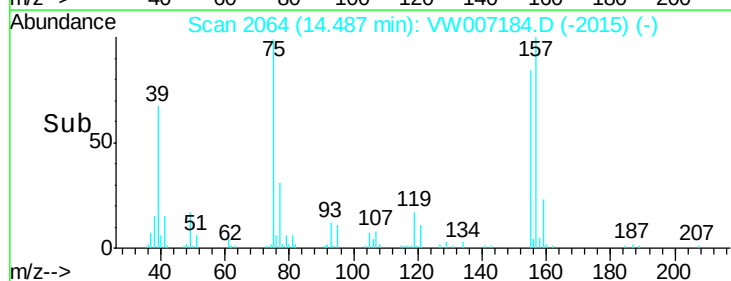
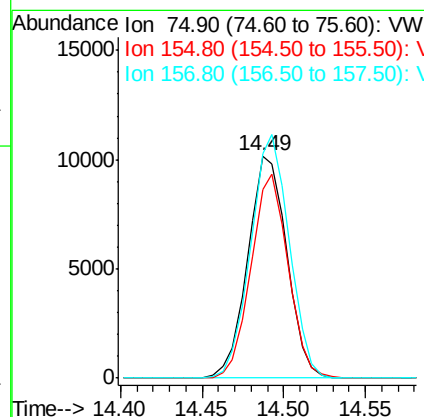
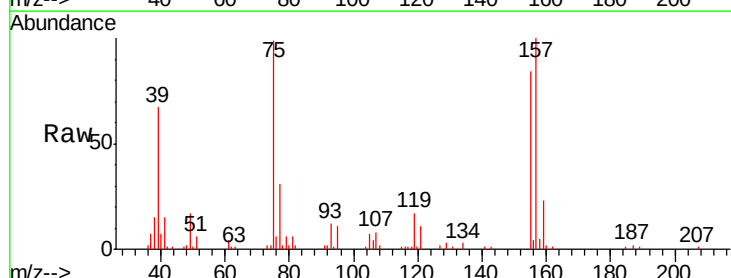
Manual Integrations
 APPROVED

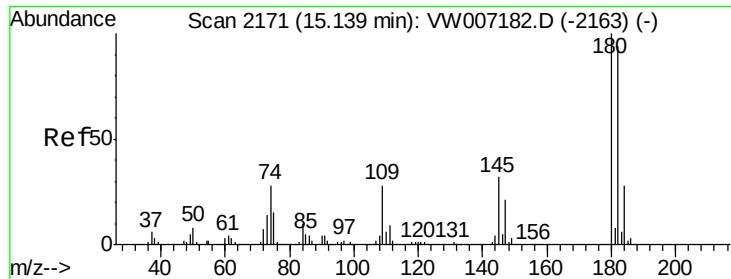
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 101.837 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW007184.D
 Acq: 04 Dec 2018 13:20

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	16970		
155	87.2	42.4	127.2	
157	108.0	55.3	165.9	





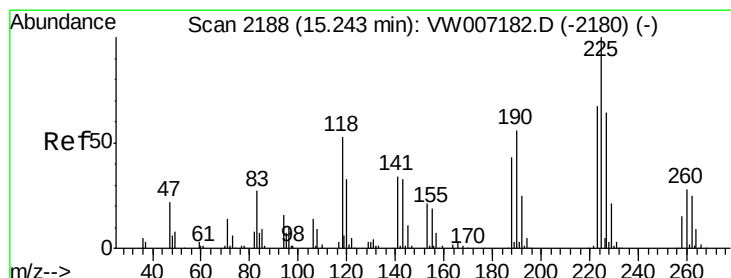
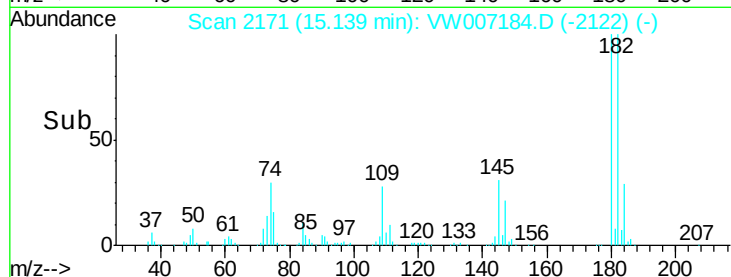
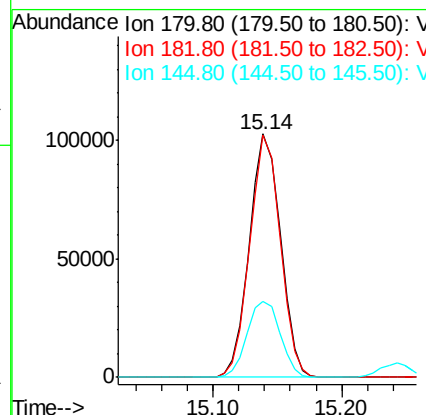
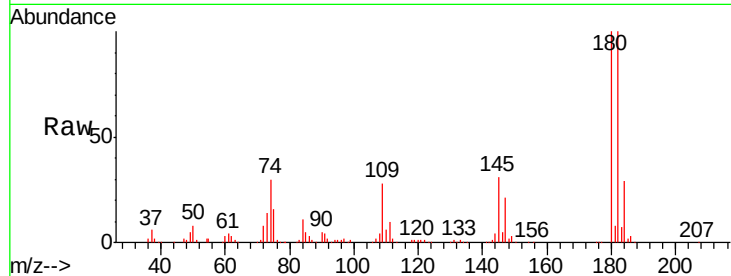
#93
1,2,4-Trichlorobenzene
Concen: 97.563 ug/l
RT: 15.14 min Scan# 2171
Delta R.T. -0.00 min
Lab File: VW007184.D
Acq: 04 Dec 2018 13:20

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	171792		
182	97.2	47.9	143.8	
145	33.2	16.6	49.7	

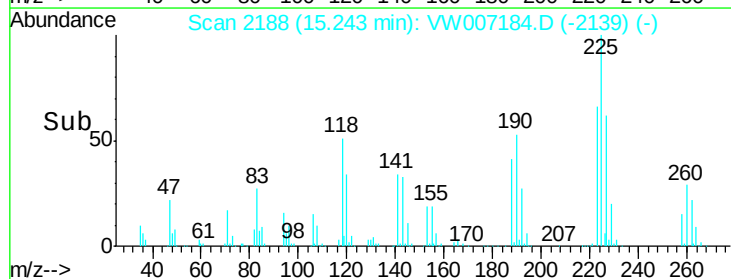
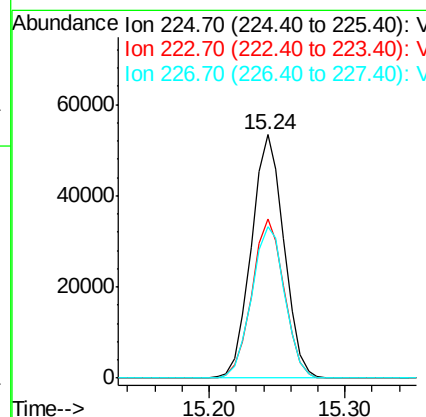
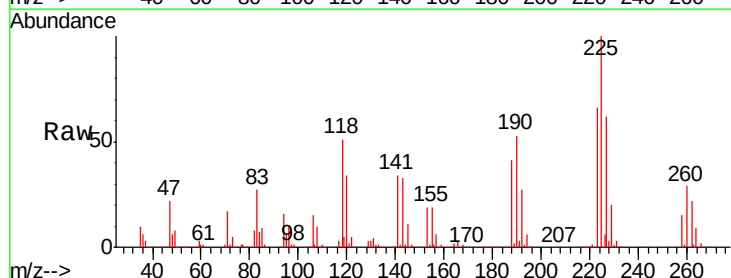
Manual Integrations
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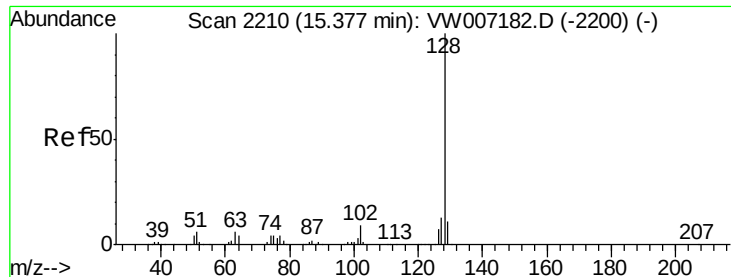
apatel
12/5/2018 12:43:43 PM



#94
Hexachlorobutadiene
Concen: 94.364 ug/l
RT: 15.24 min Scan# 2188
Delta R.T. -0.00 min
Lab File: VW007184.D
Acq: 04 Dec 2018 13:20

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	89602		
223	64.9	32.3	96.8	
227	63.4	32.1	96.3	





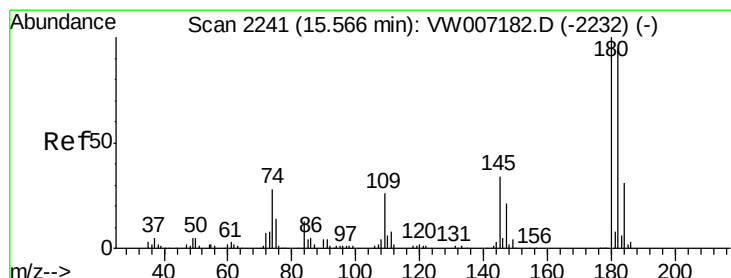
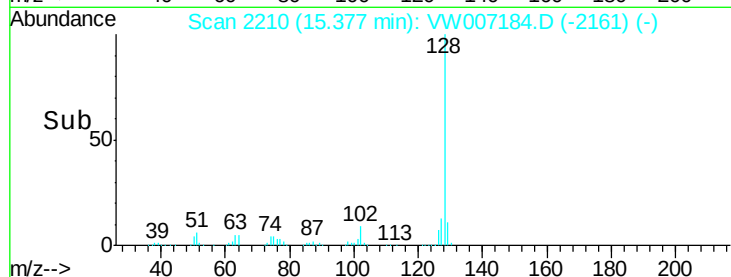
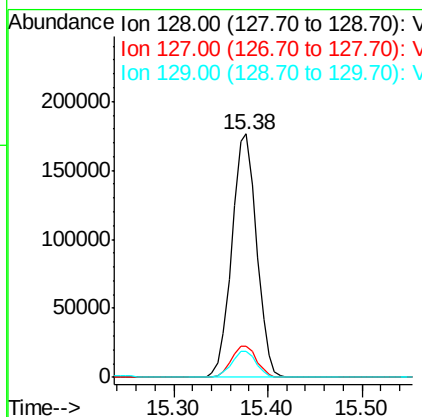
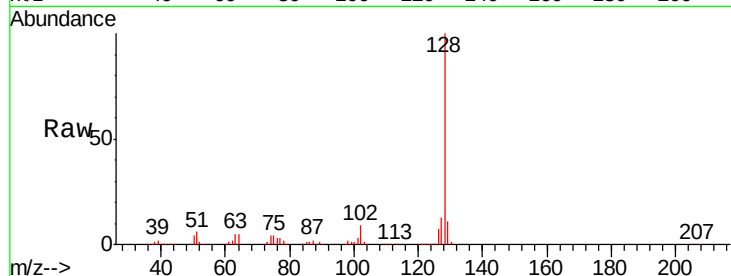
#95
Naphthalene
Concen: 101.841 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW007184.D
Acq: 04 Dec 2018 13:20

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	321384		
127	13.2	10.3	15.5	
129	10.7	8.6	13.0	

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 98.853 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VW007184.D
Acq: 04 Dec 2018 13:20

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	146773		
182	94.8	47.4	142.2	
145	34.5	17.6	52.8	

