

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW121918\
 Data File : VW007626.D
 Acq On : 17 Dec 2018 12:57
 Operator : SY/AP
 Sample : VW1219SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1219SBS01

Manual Integrations
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sam
 12/27/2018 8:23:25 AM

Quant Time: Dec 18 07:24:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 11 02:58:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	76455	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	121840	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	109549	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	55160	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	37719	44.47	ug/l	0.00
Spiked Amount			Recovery	=	88.94%	
35) Dibromofluoromethane	7.88	113	35367	47.95	ug/l	0.00
Spiked Amount			Recovery	=	95.90%	
50) Toluene-d8	10.32	98	131692	47.62	ug/l	0.00
Spiked Amount			Recovery	=	95.24%	
62) 4-Bromofluorobenzene	12.62	95	51839	50.98	ug/l	0.00
Spiked Amount			Recovery	=	101.96%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	12308	23.037	ug/l	97
3) Chloromethane	2.21	50	8921	19.937	ug/l	98
4) Vinyl Chloride	2.37	62	11798	22.468	ug/l	99
5) Bromomethane	2.78	94	7673	21.748	ug/l	99
6) Chloroethane	2.93	64	5979	20.685	ug/l	91
7) Trichlorofluoromethane	3.26	101	11387	24.120	ug/l	100
8) Diethyl Ether	3.68	74	7005	18.958	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	17249	22.143	ug/l	98
10) Methyl Iodide	4.27	142	26068	20.206	ug/l	97
11) Tert butyl alcohol	5.17	59	5094	87.445	ug/l	99
12) 1,1-Dichloroethene	4.04	96	16735	22.313	ug/l	90
13) Acrolein	3.89	56	3763	97.623	ug/l	93
14) Allyl chloride	4.67	41	22456	20.313	ug/l	96
15) Acrylonitrile	5.37	53	14715	94.470	ug/l	98
16) Acetone	4.12	43	16523	111.524	ug/l	92
17) Carbon Disulfide	4.37	76	48423	21.294	ug/l	99
18) Methyl Acetate	4.67	43	7492	18.632	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	23111	20.426	ug/l	98
20) Methylene Chloride	4.92	84	18374	20.356	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	16812	20.038	ug/l	92
22) Diisopropyl ether	6.31	45	41836	19.688	ug/l	96
23) Vinyl Acetate	6.26	43	115990	97.588	ug/l	95
24) 1,1-Dichloroethane	6.21	63	28647	19.947	ug/l	99
25) 2-Butanone	7.17	43	18478	95.534	ug/l	99
26) 2,2-Dichloropropane	7.17	77	21741	22.873	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	18798	20.462	ug/l	98
28) Bromochloromethane	7.51	49	10320	19.104	ug/l	99
29) Tetrahydrofuran	7.53	42	11182	91.321	ug/l	97
30) Chloroform	7.68	83	31838	20.371	ug/l	98
31) Cyclohexane	7.95	56	26948	20.451	ug/l	# 91
32) 1,1,1-Trichloroethane	7.87	97	29687	21.660	ug/l	97
36) 1,1-Dichloropropene	8.08	75	24473	22.019	ug/l	100
37) Ethyl Acetate	7.26	43	8107	19.611	ug/l	98
38) Carbon Tetrachloride	8.07	117	28004	23.156	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.34	83	30639	22.765	ug/l	91
40) Benzene	8.32	78	66087	21.425	ug/l	99
41) Methacrylonitrile	7.48	41	5206	22.115	ug/l #	91
42) 1,2-Dichloroethane	8.40	62	20729	21.394	ug/l	100
43) Isopropyl Acetate	8.43	43	16044	19.648	ug/l	97
44) Trichloroethene	9.09	130	19048	21.626	ug/l	97
45) 1,2-Dichloropropane	9.37	63	14558	20.395	ug/l	97
46) Dibromomethane	9.46	93	8297	20.469	ug/l	100
47) Bromodichloromethane	9.65	83	22693	21.343	ug/l	93
48) Methyl methacrylate	9.44	41	7953	18.964	ug/l	98
49) 1,4-Dioxane	9.45	88	2674	406.561	ug/l	99
51) 4-Methyl-2-Pentanone	10.21	43	36321	94.136	ug/l	100
52) Toluene	10.39	92	43274	21.679	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	22534	21.830	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	24644	20.652	ug/l	94
55) 1,1,2-Trichloroethane	10.79	97	12298	22.292	ug/l	94
56) Ethyl methacrylate	10.65	69	13520	20.389	ug/l	98
57) 1,3-Dichloropropane	10.93	76	19767	21.830	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	30271	98.993	ug/l	98
59) 2-Hexanone	10.97	43	28068	109.098	ug/l	100
60) Dibromochloromethane	11.13	129	15530	22.306	ug/l	97
61) 1,2-Dibromoethane	11.24	107	11481	21.059	ug/l	96
64) Tetrachloroethene	10.87	164	15876	20.152	ug/l	93
65) Chlorobenzene	11.66	112	49562	21.706	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.73	131	17978	22.355	ug/l	98
67) Ethyl Benzene	11.73	91	87506	22.290	ug/l	96
68) m/p-Xylenes	11.84	106	66563	43.615	ug/l	98
69) o-Xylene	12.17	106	31085	21.809	ug/l	94
70) Styrene	12.18	104	52830	22.948	ug/l	97
71) Bromoform	12.35	173	8872	21.554	ug/l #	99
73) Isopropylbenzene	12.47	105	91856	21.733	ug/l	99
74) N-amyl acetate	12.27	43	15049	19.591	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	12976	20.728	ug/l	96
76) 1,2,3-Trichloropropane	12.77	75	10235m	22.504	ug/l	
77) Bromobenzene	12.75	156	19856	21.194	ug/l	94
78) n-propylbenzene	12.81	91	107345	22.568	ug/l	100
79) 2-Chlorotoluene	12.90	91	61535	21.380	ug/l	96
80) 1,3,5-Trimethylbenzene	12.95	105	80026	22.534	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	4228	20.535	ug/l	97
82) 4-Chlorotoluene	12.99	91	65518	21.596	ug/l	97
83) tert-Butylbenzene	13.21	119	68969	22.040	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	79718	21.813	ug/l	97
85) sec-Butylbenzene	13.39	105	97944	22.928	ug/l	95
86) p-Isopropyltoluene	13.51	119	87158	22.711	ug/l	98
87) 1,3-Dichlorobenzene	13.51	146	40339	21.596	ug/l	97
88) 1,4-Dichlorobenzene	13.58	146	40284	21.452	ug/l	99
89) n-Butylbenzene	13.83	91	82167	23.096	ug/l	99
90) Hexachloroethane	14.10	117	15538	22.755	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	36038	21.541	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2510	19.980	ug/l	96

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ClientSampleId :
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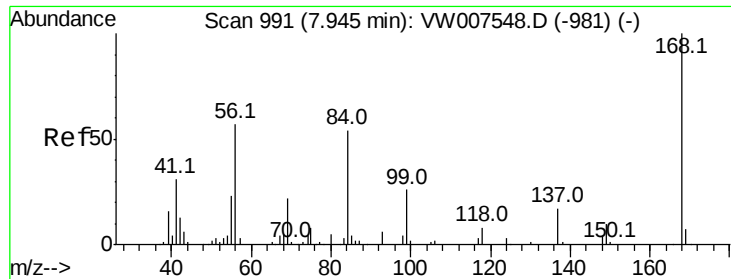
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	25372	22.037	ug/l	94
94) Hexachlorobutadiene	15.24	225	13764	22.531	ug/l	99
95) Naphthalene	15.38	128	45536	20.674	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	21260	21.257	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW007626.D

Acq: 17 Dec 2018 12:57

Instrument :

MSVOA_W

ClientSampleId :

VW1219SBS01

Tot Ion:168 Resp: 76455

Ion Ratio Lower Upper

168 100

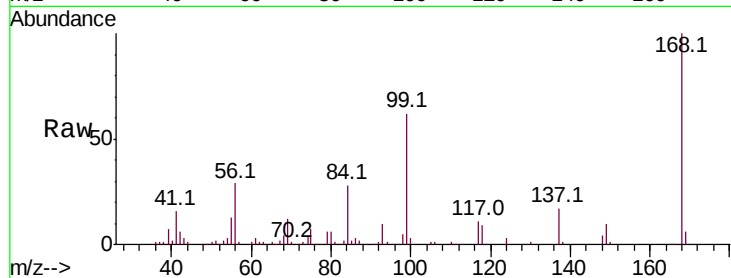
99 61.8 48.3 72.5

Manual Integrations

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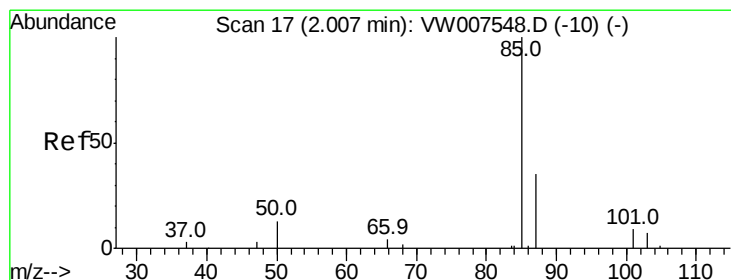
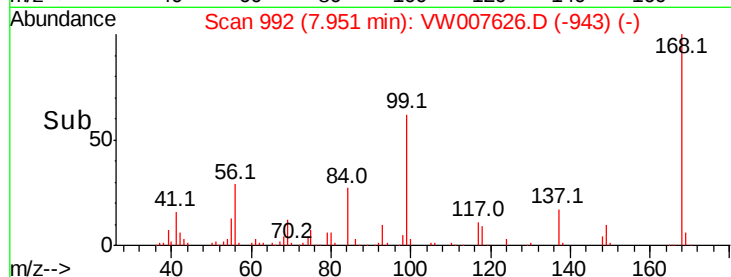
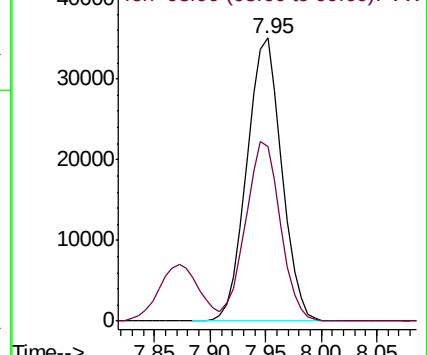
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 23.037 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW007626.D

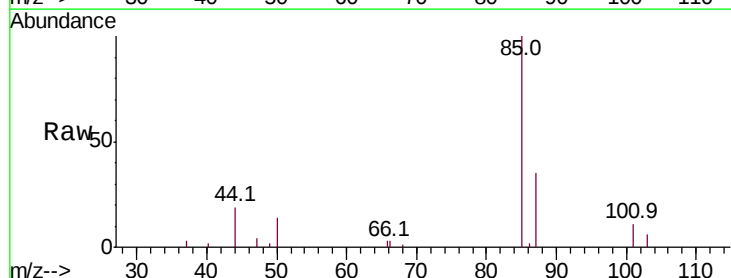
Acq: 17 Dec 2018 12:57

Tgt Ion: 85 Resp: 12308

Ion Ratio Lower Upper

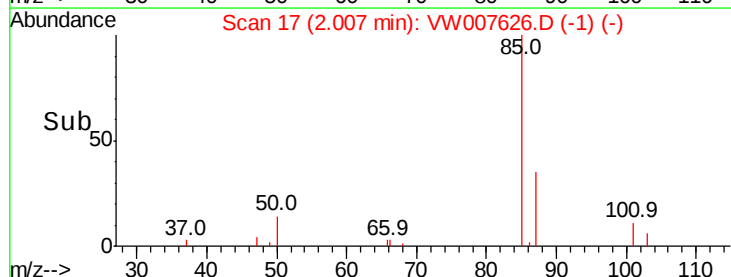
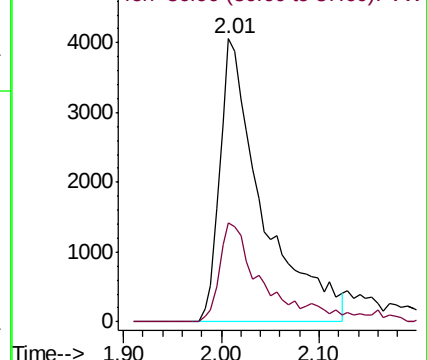
85 100

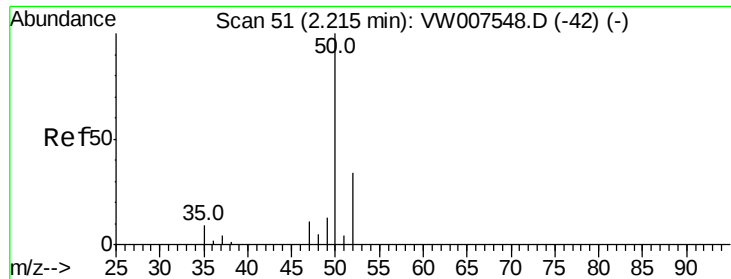
87 35.1 16.6 49.7



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 19.937 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW007626.D

Acq: 17 Dec 2018 12:57

Instrument :

MSVOA_W

ClientSampleId :

VW1219SBS01

Tot Ion: 50 Resp: 8921

Ion Ratio Lower Upper

50 100

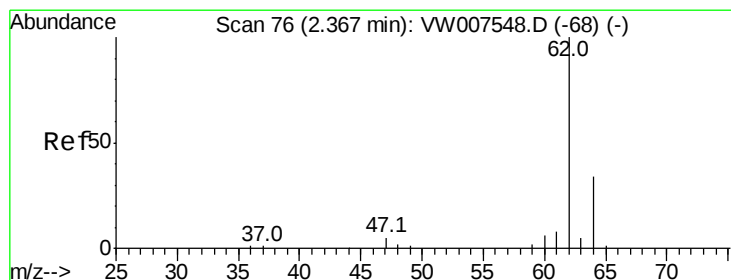
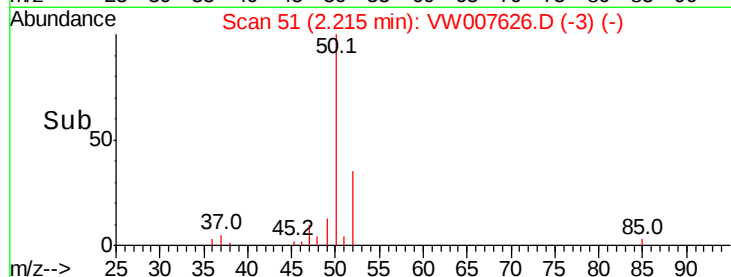
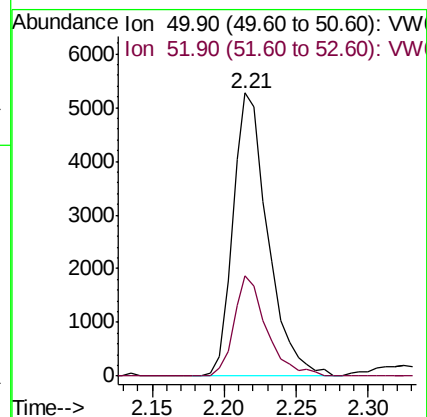
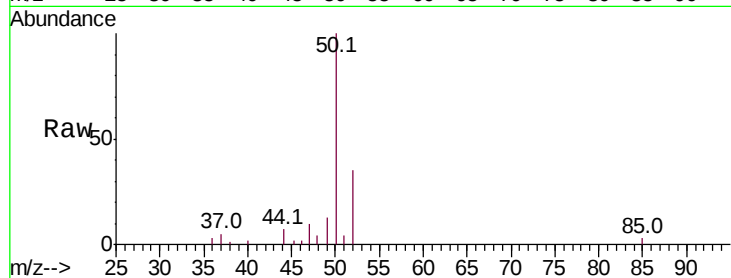
52 35.3 27.4 41.0

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#4

Vinyl Chloride

Concen: 22.468 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW007626.D

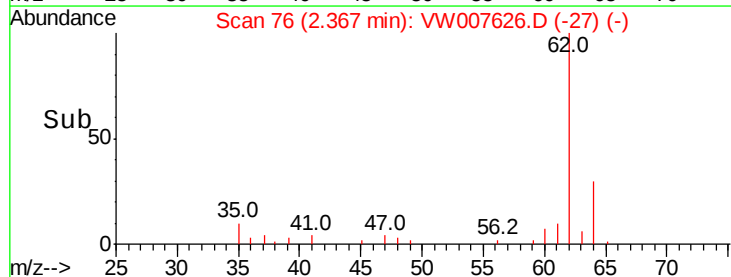
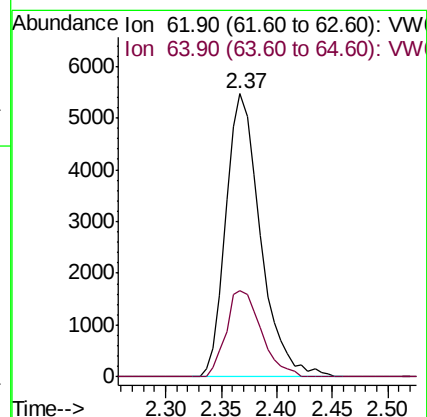
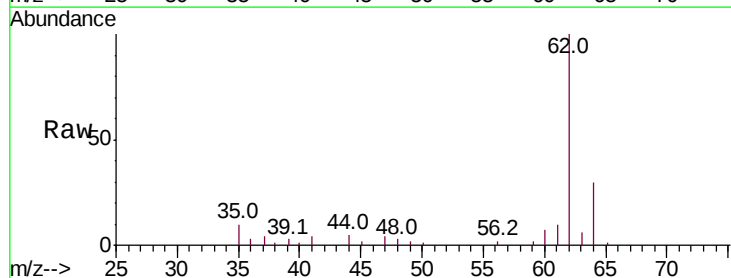
Acq: 17 Dec 2018 12:57

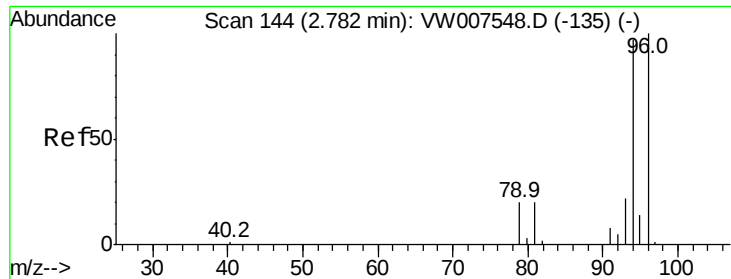
Tgt Ion: 62 Resp: 11798

Ion Ratio Lower Upper

62 100

64 30.5 24.6 37.0





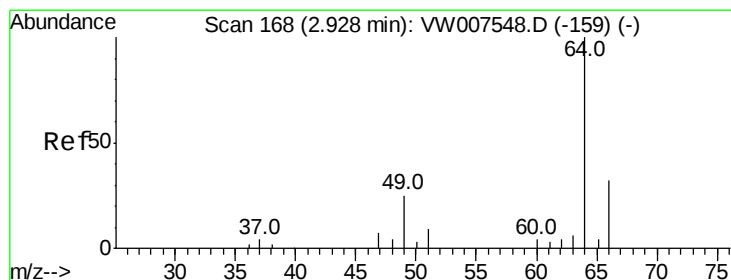
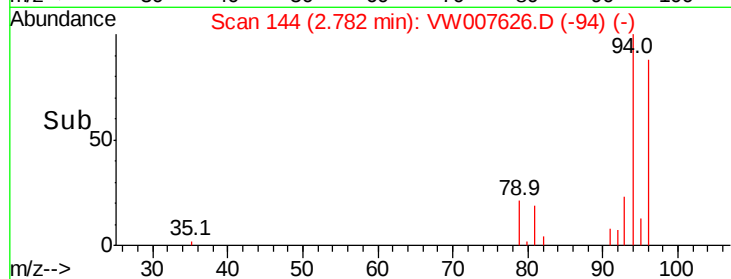
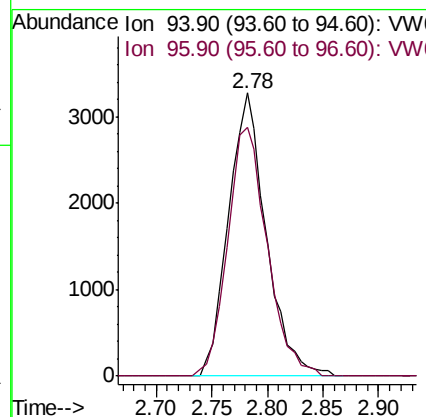
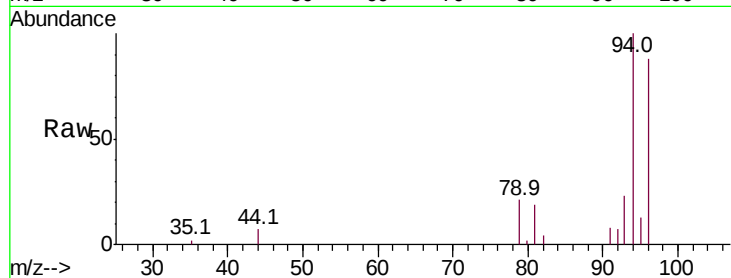
#5
Bromomethane
Concen: 21.748 ug/l
RT: 2.78 min Scan# 144
Delta R.T. 0.01 min
Lab File: VW007626.D
Acq: 17 Dec 2018 12:57

Instrument :
MSVOA_W
ClientSampled :
VW1219SBS01

Tot Ion: 94 Resp: 7673
Ion Ratio Lower Upper
94 100
96 87.8 71.0 106.4

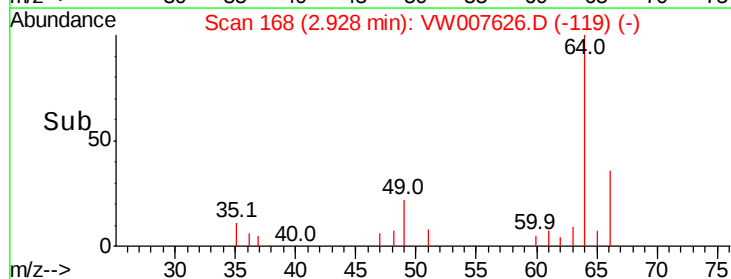
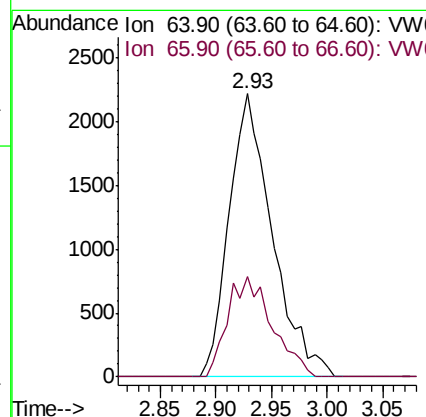
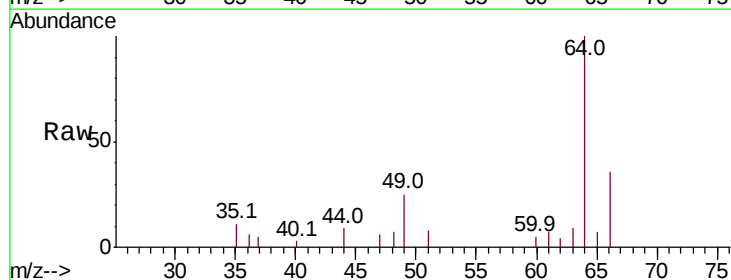
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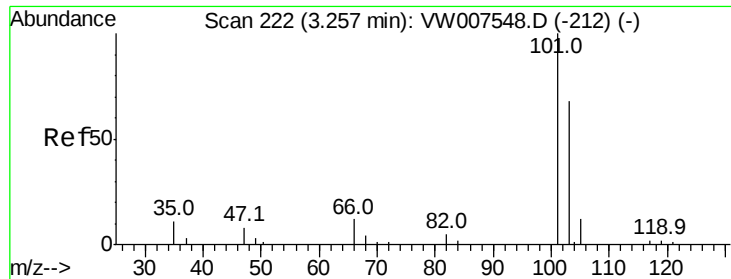
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#6
Chloroethane
Concen: 20.685 ug/l
RT: 2.93 min Scan# 168
Delta R.T. -0.00 min
Lab File: VW007626.D
Acq: 17 Dec 2018 12:57

Tgt Ion: 64 Resp: 5979
Ion Ratio Lower Upper
64 100
66 35.7 24.6 37.0





#7

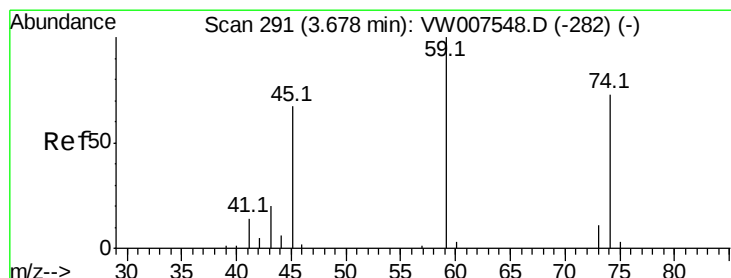
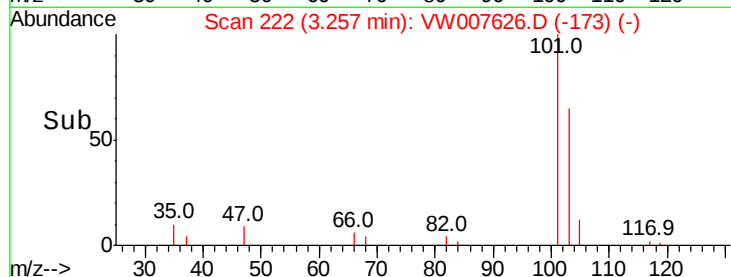
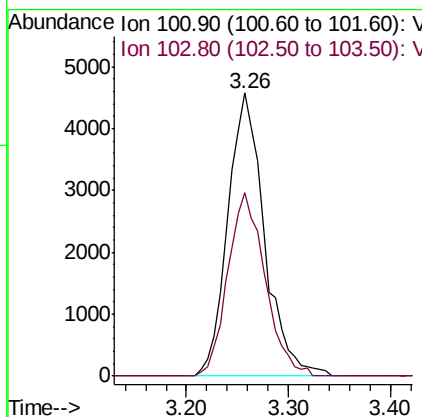
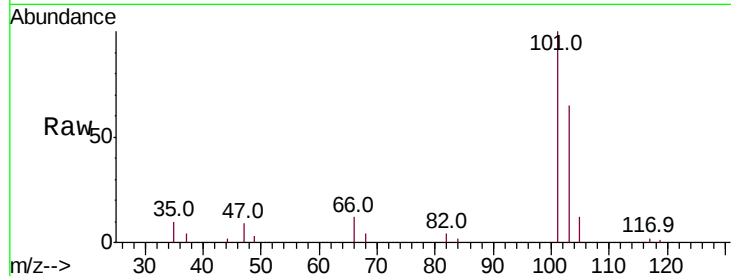
Trichlorofluoromethane
 Concen: 24.120 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VW007626.D
 Acq: 17 Dec 2018 12:57

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1219SBS01

Tot Ion:101 Resp: 11387
 Ion Ratio Lower Upper
 101 100
 103 64.8 51.7 77.5

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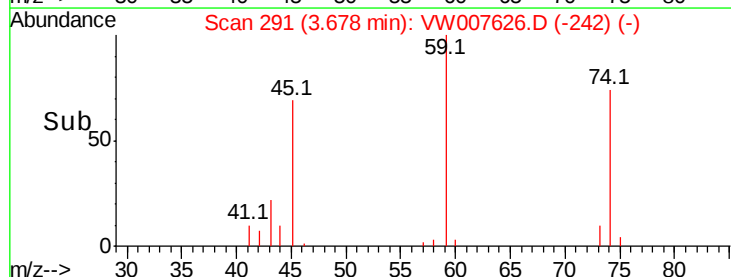
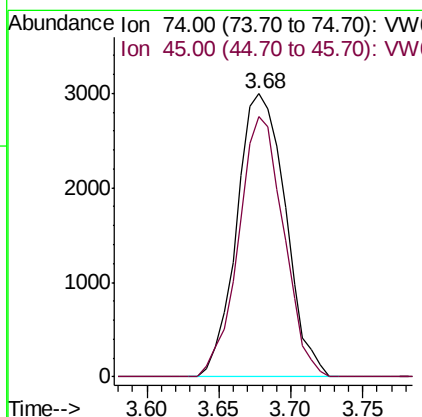
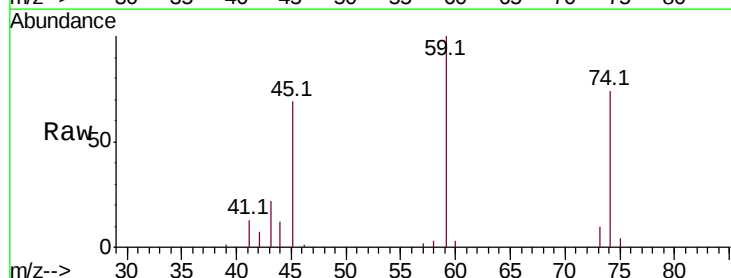
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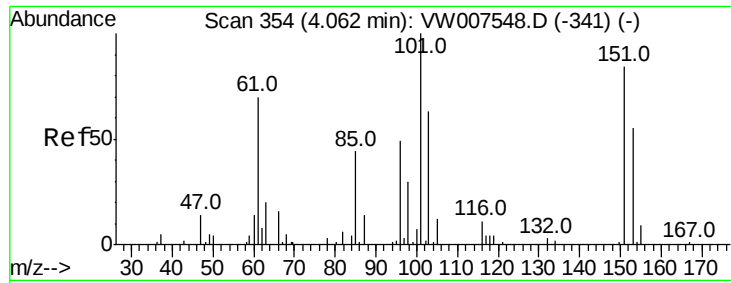


#8

Diethyl Ether
 Concen: 18.958 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW007626.D
 Acq: 17 Dec 2018 12:57

Tgt Ion: 74 Resp: 7005
 Ion Ratio Lower Upper
 74 100
 45 85.2 43.0 129.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.143 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.01 min

Lab File: VW007626.D

Acq: 17 Dec 2018 12:57

Instrument :

MSVOA_W

ClientSampleId :

VW1219SBS01

Tot Ion:101 Resp: 17249

Ion Ratio Lower Upper

101 100

85 44.6 33.9 50.9

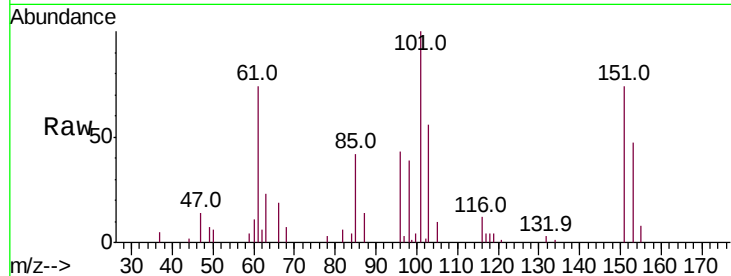
151 78.7 63.7 95.5

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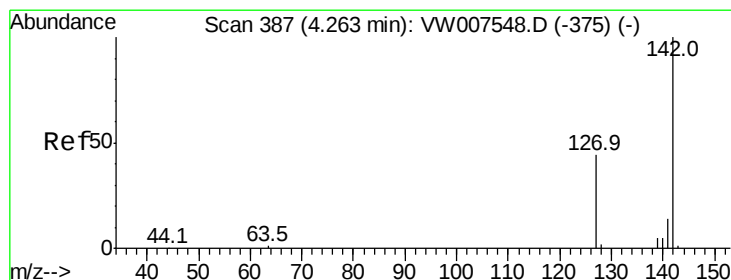
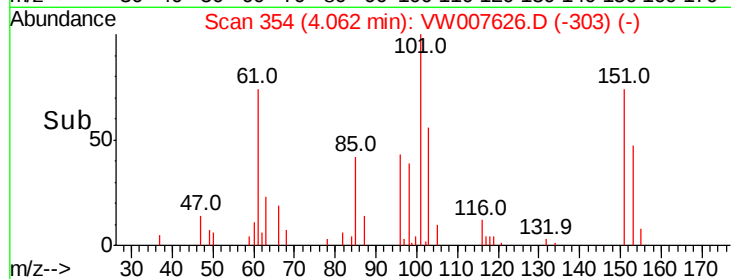
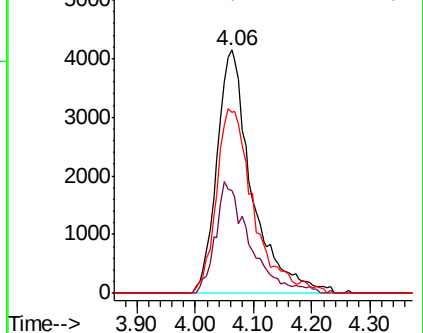
12/27/2018 8:23:25 AM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.206 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.01 min

Lab File: VW007626.D

Acq: 17 Dec 2018 12:57

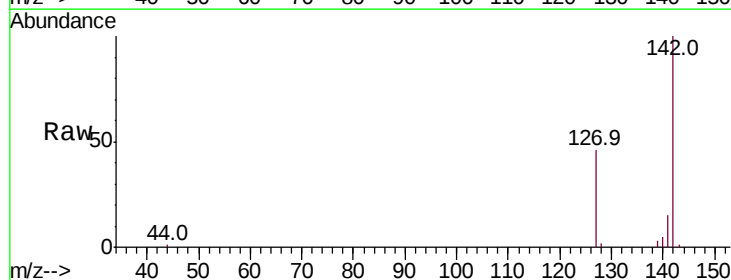
Tgt Ion:142 Resp: 26068

Ion Ratio Lower Upper

142 100

127 46.6 35.8 53.6

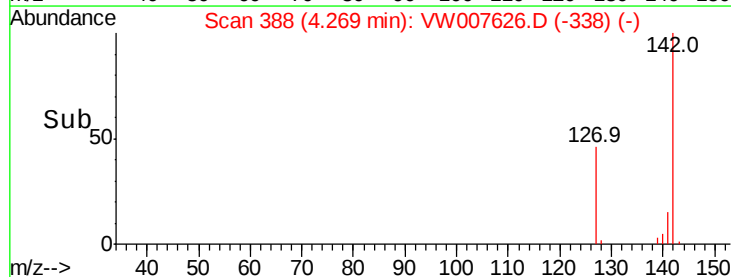
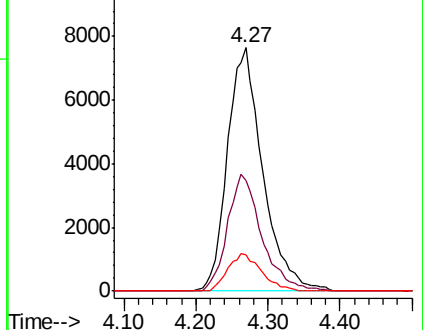
141 14.6 11.1 16.7

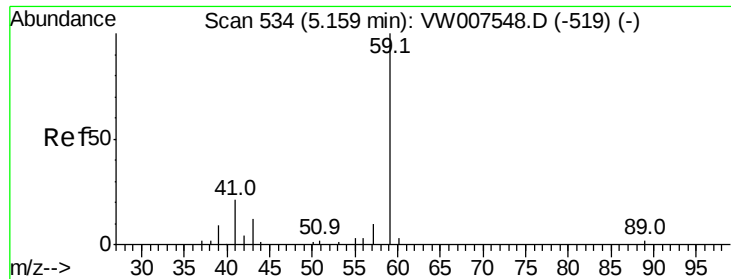


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

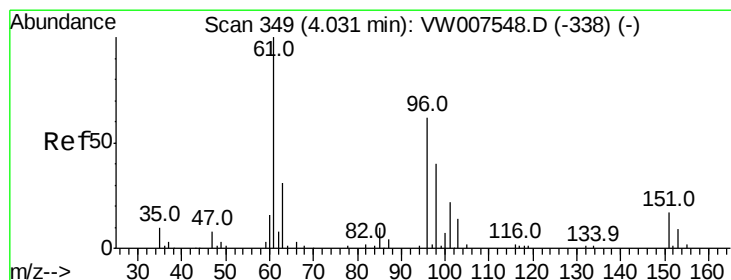
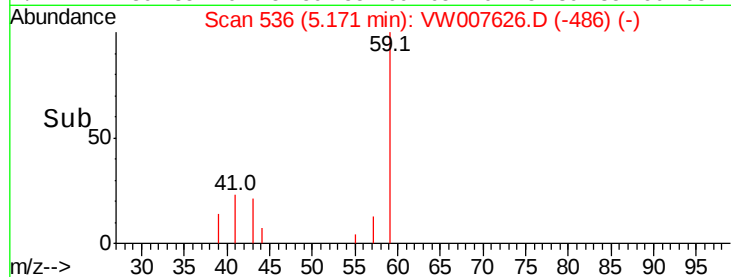
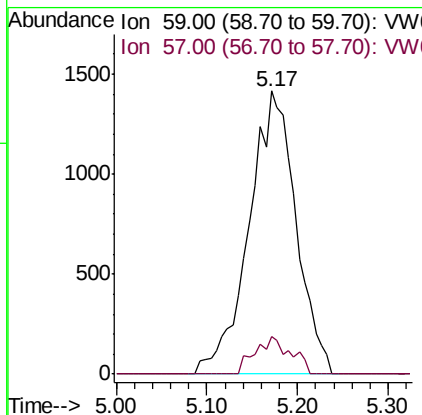
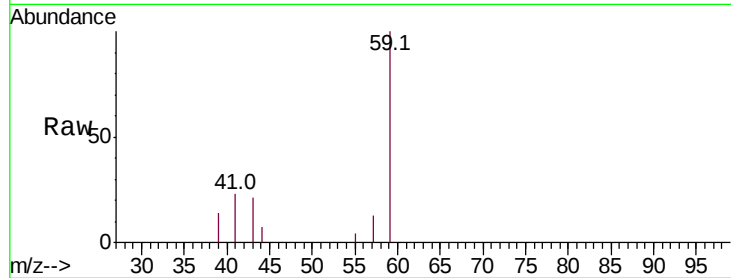
Tert butyl alcohol
Concen: 87.445 ug/l
RT: 5.17 min Scan# 536
Delta R.T. 0.01 min
Lab File: VW007626.D
Acq: 17 Dec 2018 12:57

Instrument :
MSVOA_W
ClientSampleId :
VW1219SBS01

Tot Ion	59	Resp	5094
Ion Ratio	100	Lower	Upper
57	10.0	7.6	11.4

Manual Integrations
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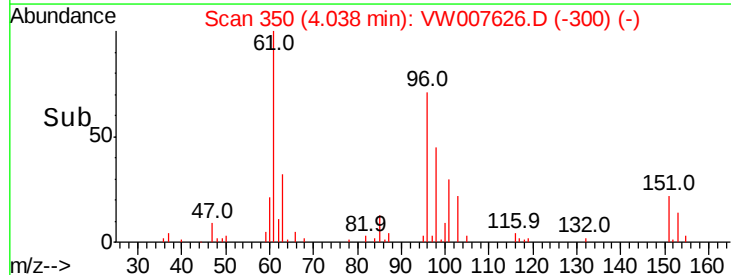
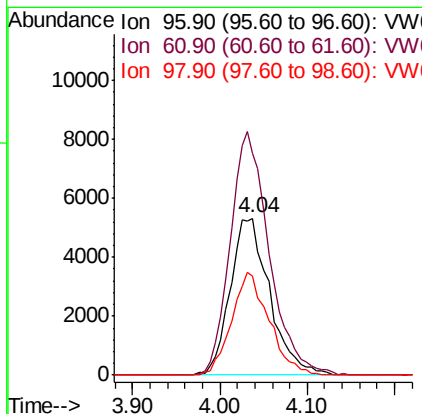
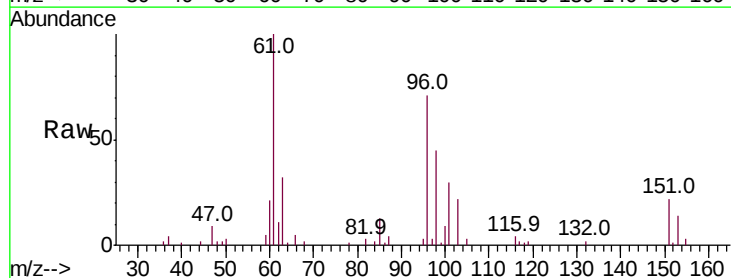
sam
12/27/2018 8:23:25 AM

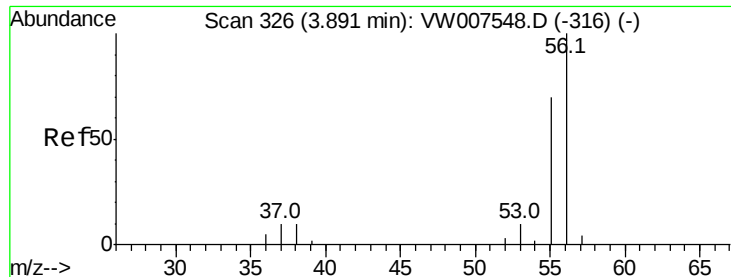


#12

1,1-Dichloroethene
Concen: 22.313 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.01 min
Lab File: VW007626.D
Acq: 17 Dec 2018 12:57

Tgt Ion	96	Resp	16735
Ion Ratio	100	Lower	Upper
61	141.4	126.2	189.2
98	63.3	48.3	72.5





#13

Acrolein

Concen: 97.623 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW007626.D

Acq: 17 Dec 2018 12:57

Instrument :

MSVOA_W

ClientSampleId :

VW1219SBS01

Tot Ion: 56 Resp: 3763

Ion Ratio Lower Upper

56 100

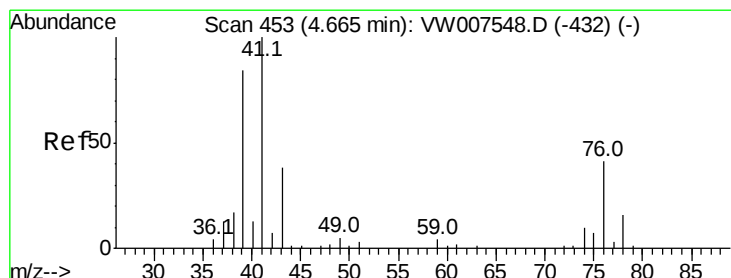
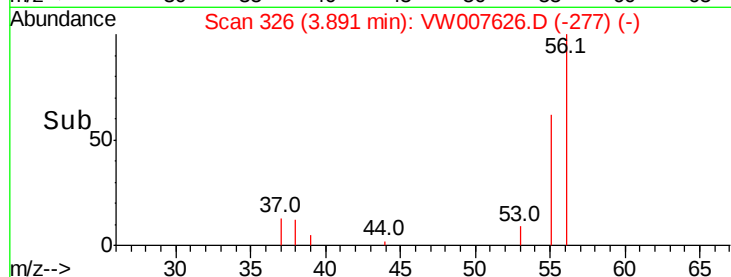
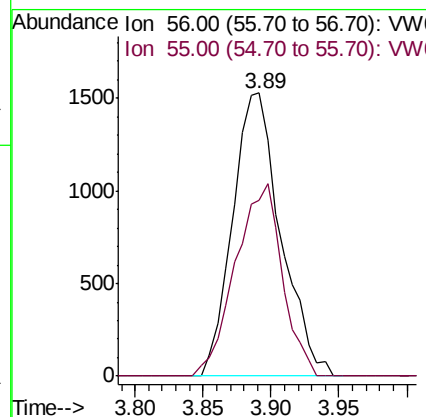
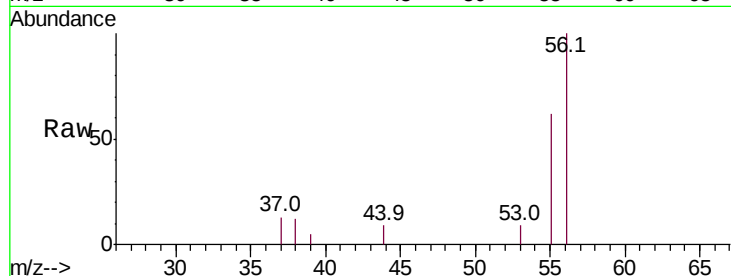
55 65.7 57.4 86.2

Manual Integrations

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sam

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#14

Allyl chloride

Concen: 20.313 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.01 min

Lab File: VW007626.D

Acq: 17 Dec 2018 12:57

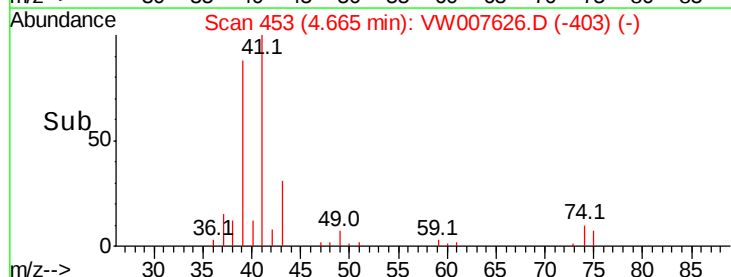
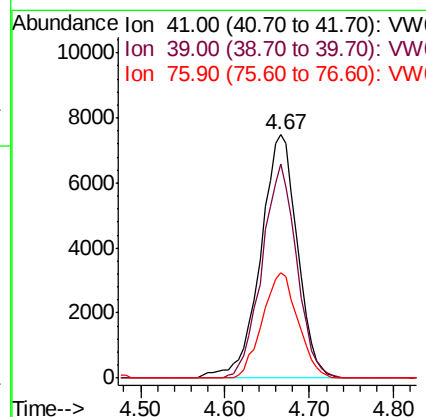
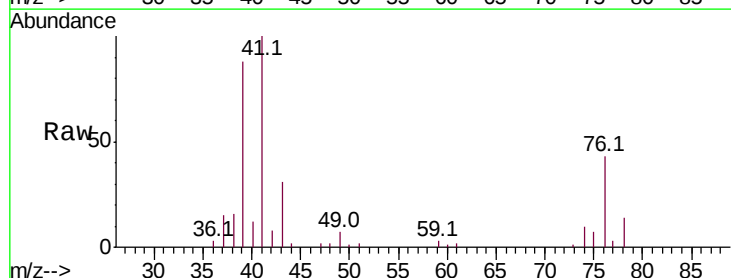
Tgt Ion: 41 Resp: 22456

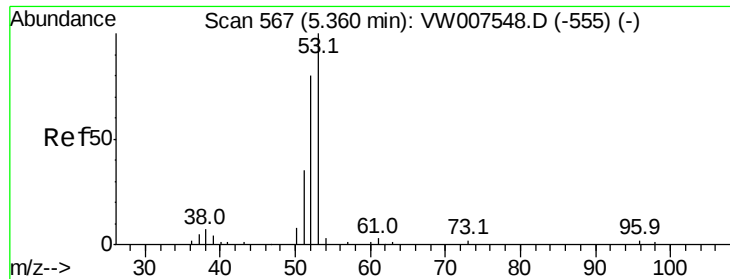
Ion Ratio Lower Upper

41 100

39 82.9 63.4 95.2

76 41.7 32.1 48.1





#15

Acrylonitrile

Concen: 94.470 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW007626.D

Acq: 17 Dec 2018 12:57

Instrument :

MSVOA_W

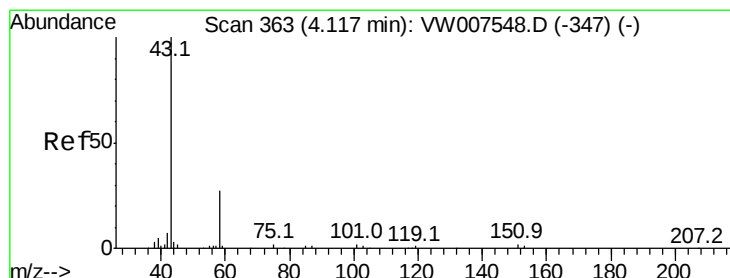
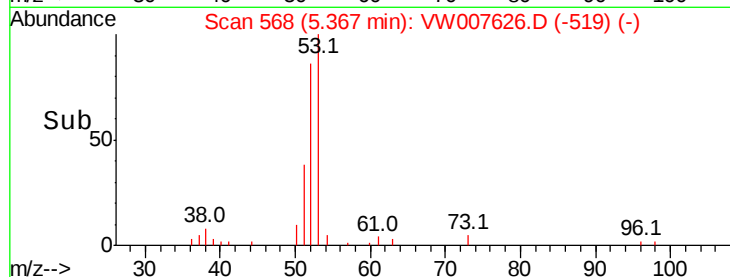
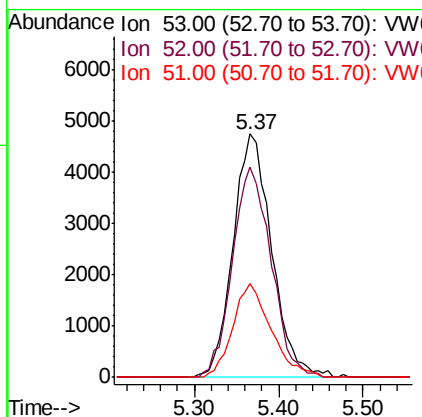
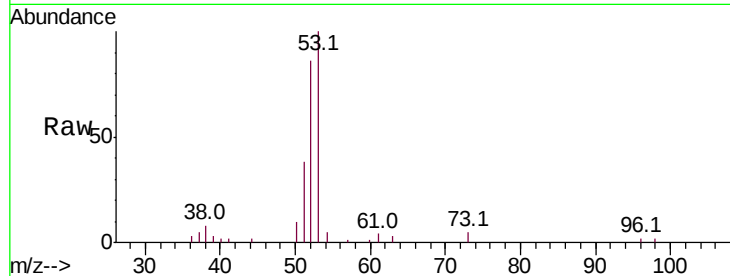
ClientSampleId :

VW1219SBS01

Tot Ion:	53	Resp:	14715
Ion	Ratio	Lower	Upper
53	100		
52	86.5	67.4	101.2
51	38.1	30.2	45.2

Manual Integrations
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#16

Acetone

Concen: 111.524 ug/l

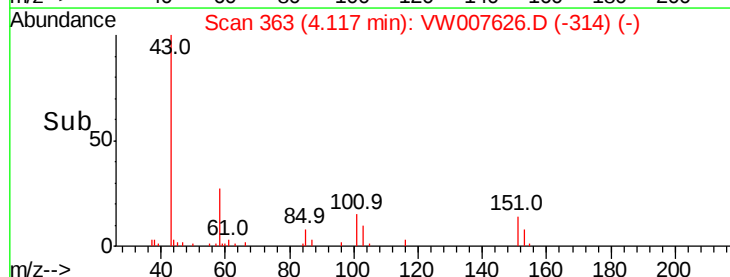
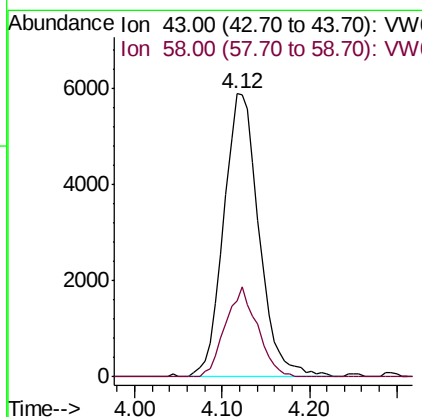
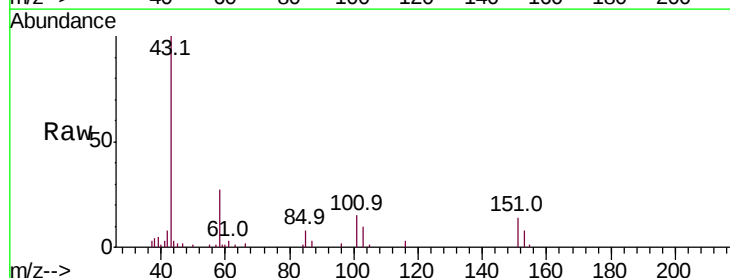
RT: 4.12 min Scan# 363

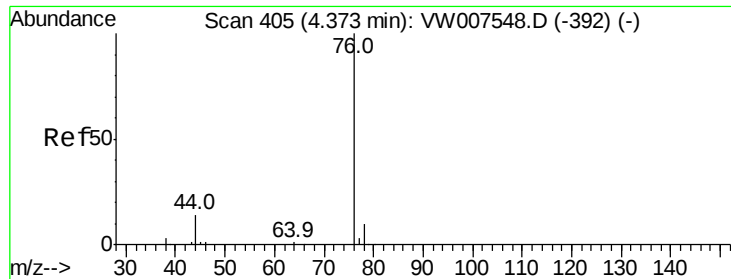
Delta R.T. -0.00 min

Lab File: VW007626.D

Acq: 17 Dec 2018 12:57

Tgt Ion:	43	Resp:	16523
Ion	Ratio	Lower	Upper
43	100		
58	26.9	24.9	37.3





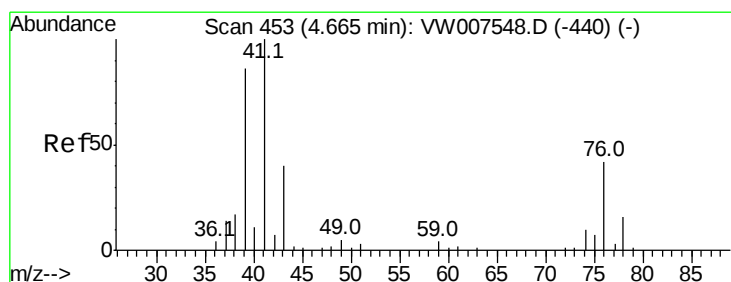
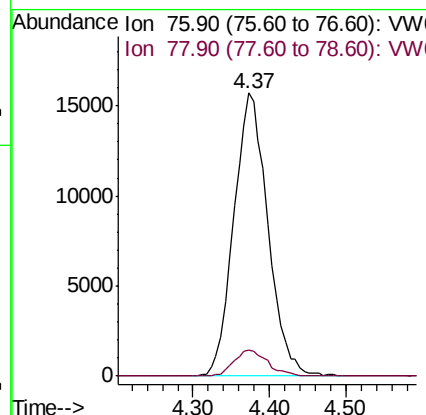
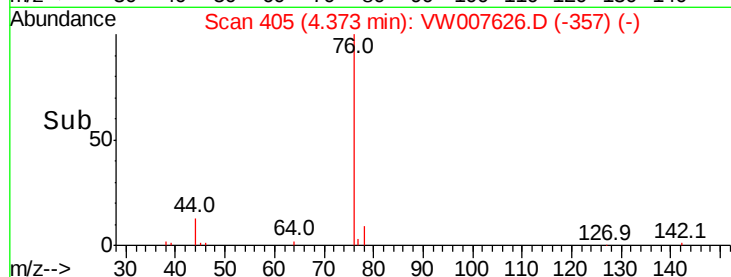
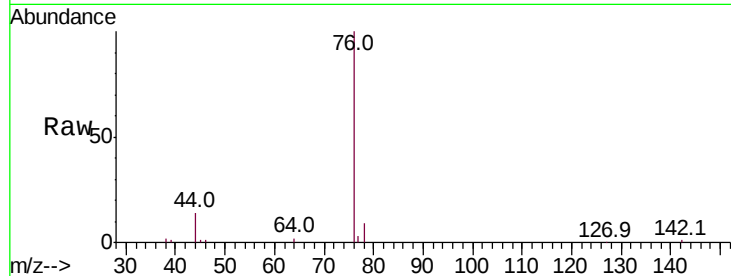
#17
Carbon Disulfide
Concen: 21.294 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW007626.D
Acq: 17 Dec 2018 12:57

Instrument :
MSVOA_W
ClientSampleId :
VW1219SBSD01

Tot Ion: 76 Resp: 48423
Ion Ratio Lower Upper
76 100
78 9.2 7.1 10.7

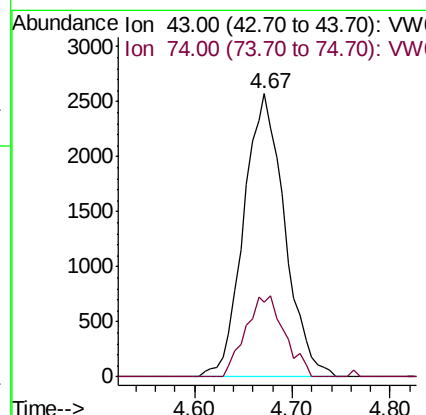
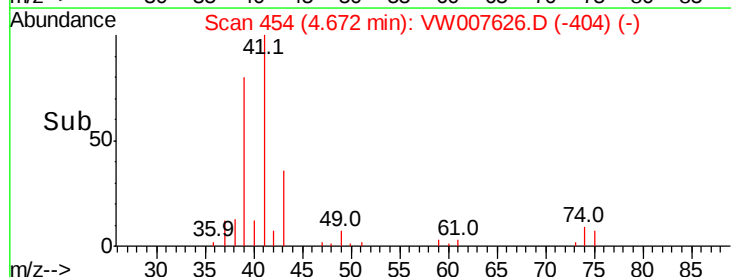
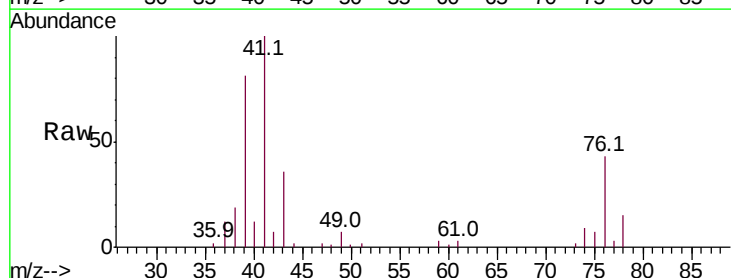
Manual Integrations
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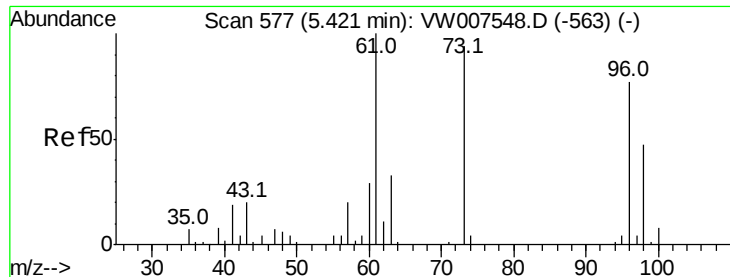
sam
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#18
Methyl Acetate
Concen: 18.632 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW007626.D
Acq: 17 Dec 2018 12:57

Tgt Ion: 43 Resp: 7492
Ion Ratio Lower Upper
43 100
74 27.2 21.1 31.7





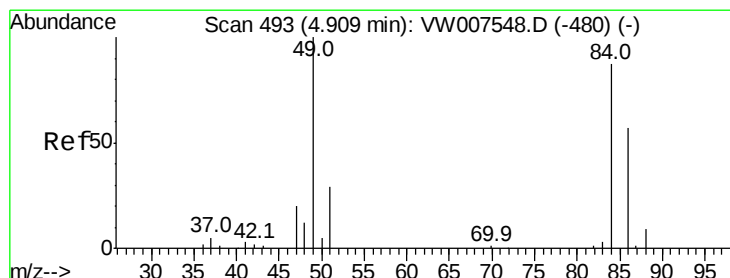
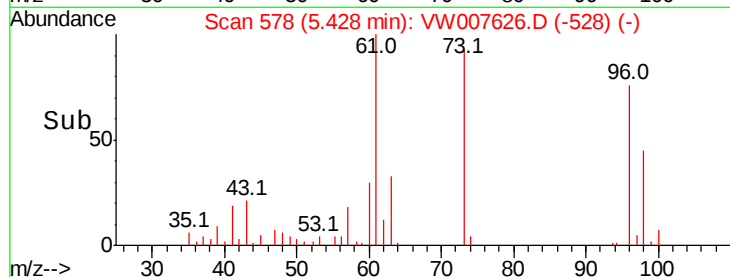
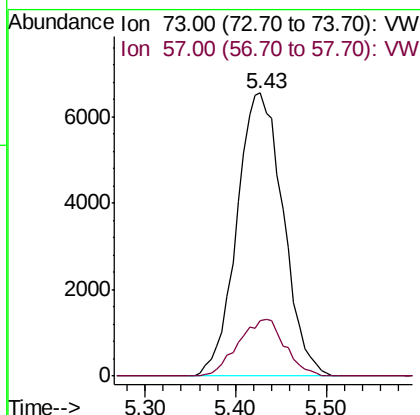
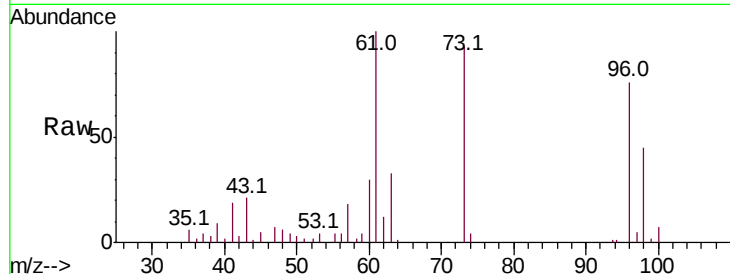
#19
Methvl tert-butvl Ether
Concen: 20.426 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW007626.D
Acq: 17 Dec 2018 12:57

Instrument :
MSVOA_W
ClientSampleId :
VW1219SBSD01

Tot Ion: 73 Resp: 23111
Ion Ratio Lower Upper
73 100
57 19.5 16.4 24.6

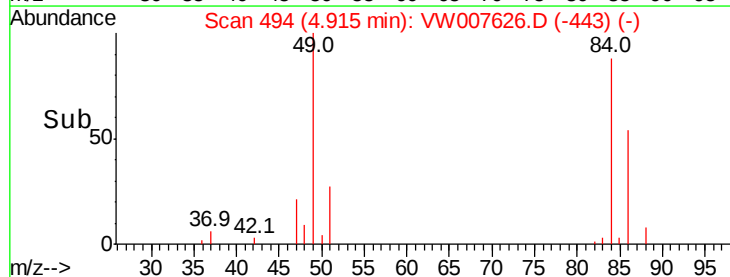
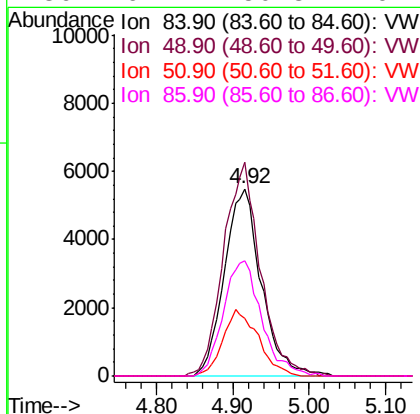
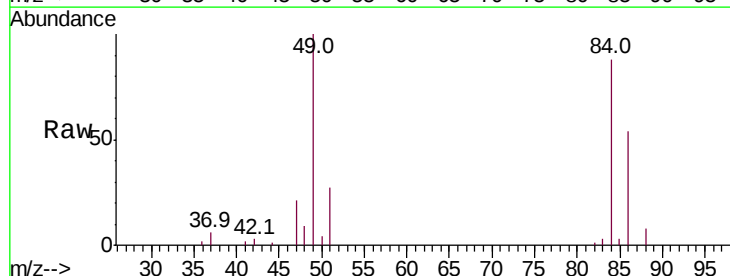
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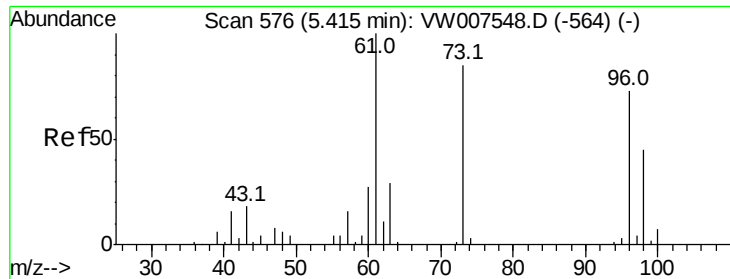
sam
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#20
Methylene Chloride
Concen: 20.356 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW007626.D
Acq: 17 Dec 2018 12:57

Tgt Ion: 84 Resp: 18374
Ion Ratio Lower Upper
84 100
49 114.1 87.1 130.7
51 30.9 28.2 42.2
86 61.7 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 20.038 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.01 min

Lab File: VW007626.D

Acq: 17 Dec 2018 12:57

Instrument :

MSVOA_W

ClientSampleId :

VW1219SBS01

Tot Ion: 96 Resp: 16812

Ion Ratio Lower Upper

96 100

61 139.7 105.0 157.6

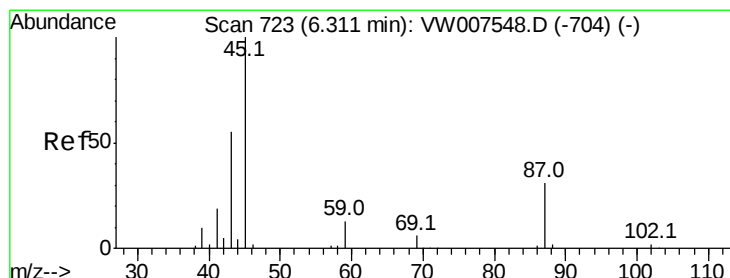
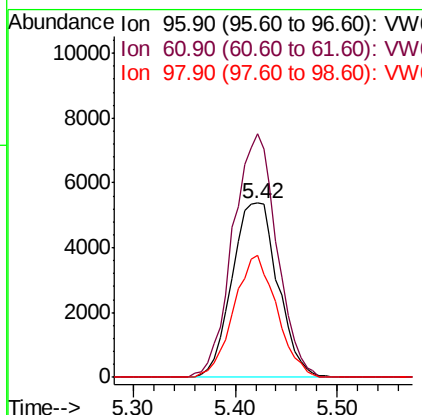
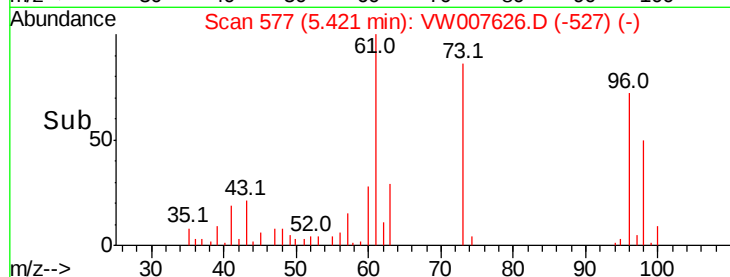
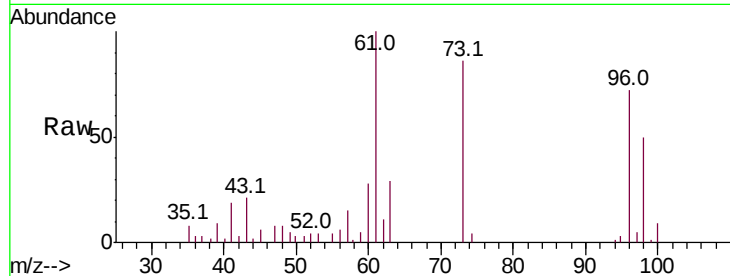
98 70.4 49.7 74.5

Manual Integrations

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#22

Diisopropyl ether

Concen: 19.688 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW007626.D

Acq: 17 Dec 2018 12:57

Tgt Ion: 45 Resp: 41836

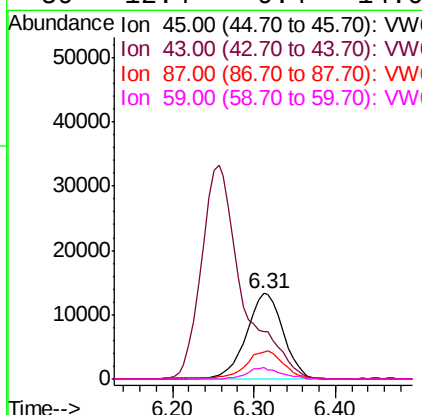
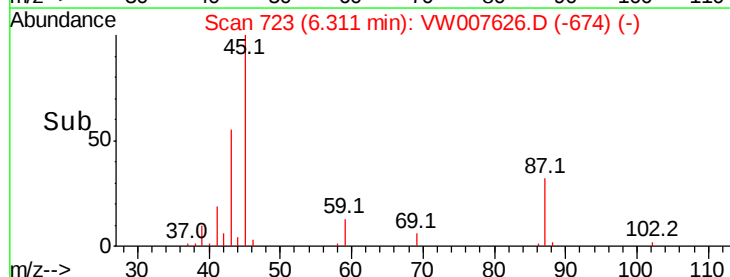
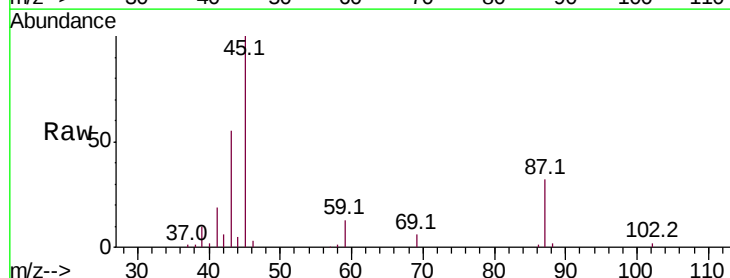
Ion Ratio Lower Upper

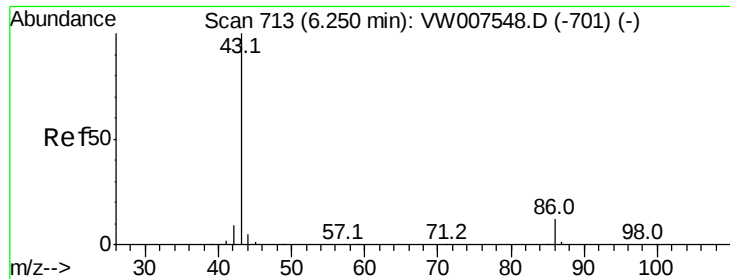
45 100

43 54.9 41.6 62.4

87 32.2 24.3 36.5

59 12.4 9.4 14.0





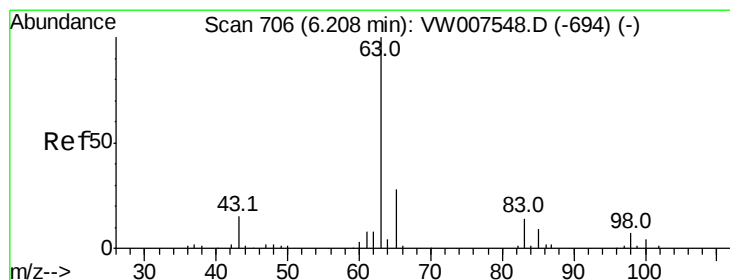
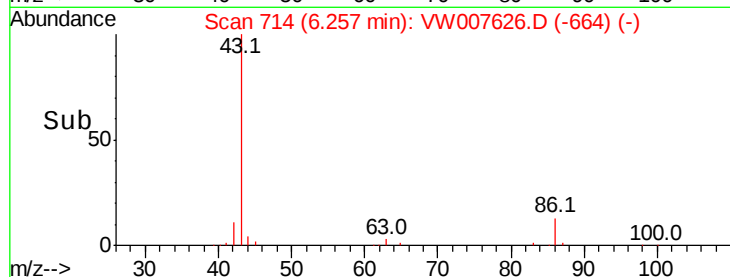
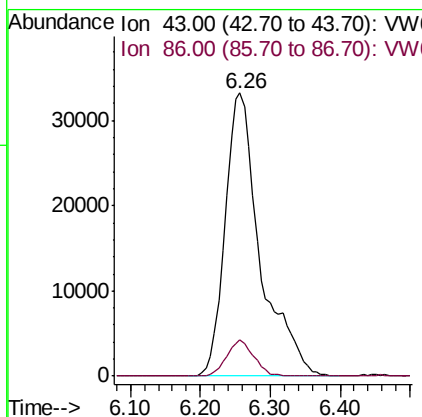
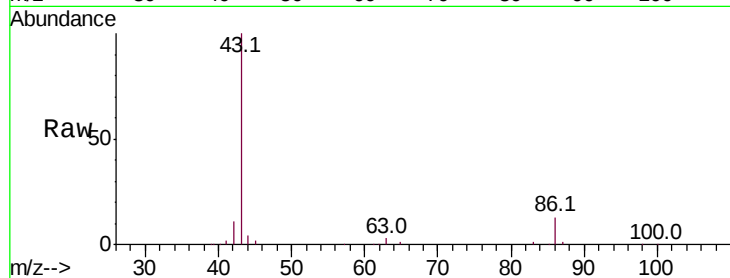
#23
 Vinyl Acetate
 Concen: 97.588 ug/l
 RT: 6.26 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VW007626.D
 Acq: 17 Dec 2018 12:57

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1219SBSD01

Tot Ion: 43 Resp: 115990
 Ion Ratio Lower Upper
 43 100
 86 12.7 8.6 12.8

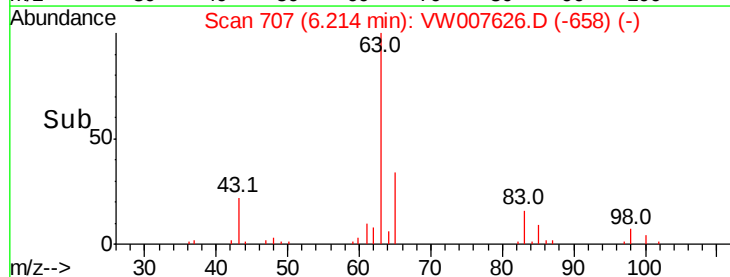
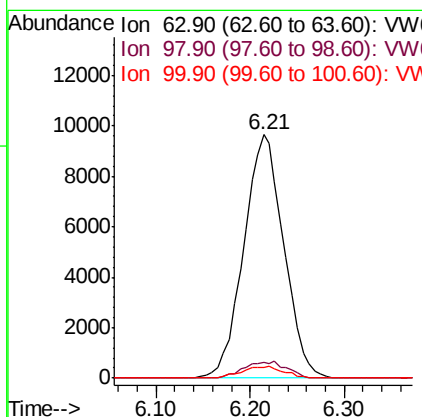
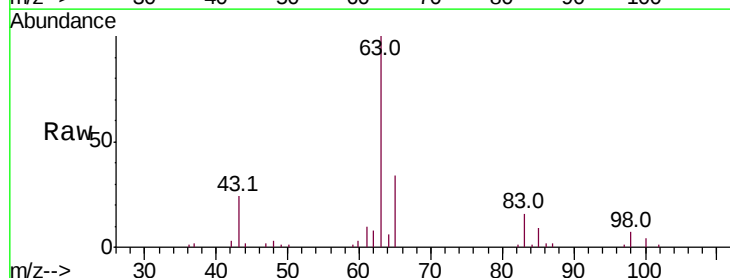
Manual Integrations
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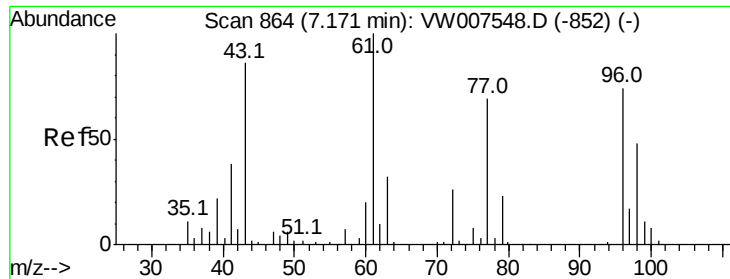
sam
 12/27/2018 8:23:25 AM



#24
 1,1-Dichloroethane
 Concen: 19.947 ug/l
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW007626.D
 Acq: 17 Dec 2018 12:57

Tgt Ion: 63 Resp: 28647
 Ion Ratio Lower Upper
 63 100
 98 6.6 3.5 10.4
 100 4.3 2.5 7.5





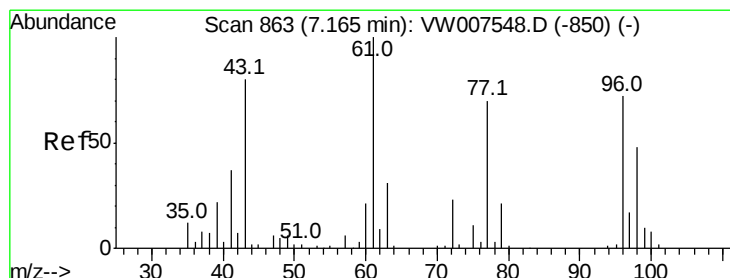
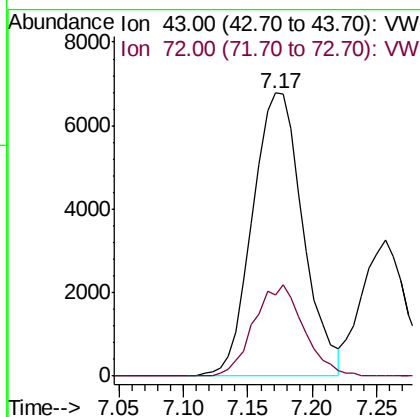
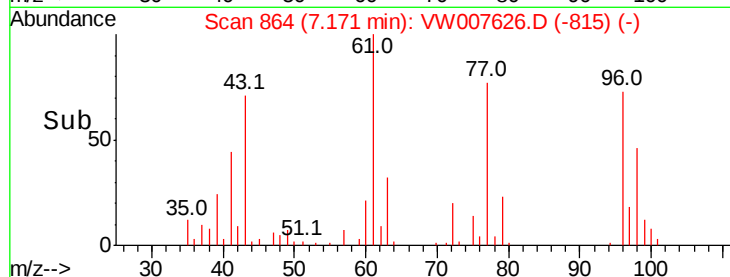
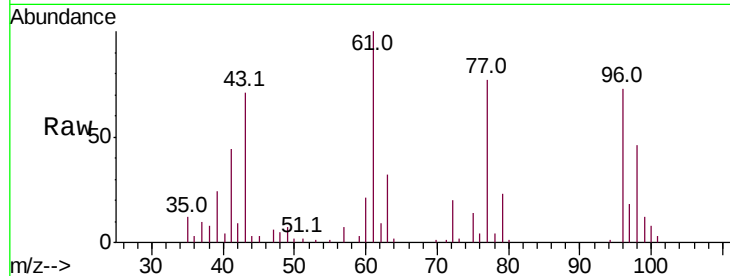
#25
2-Butanone
Concen: 95.534 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW007626.D
Acq: 17 Dec 2018 12:57

Instrument :
MSVOA_W
ClientSampleId :
VW1219SBS01

Tot Ion: 43 Resp: 18478
Ion Ratio Lower Upper
43 100
72 28.7 23.4 35.2

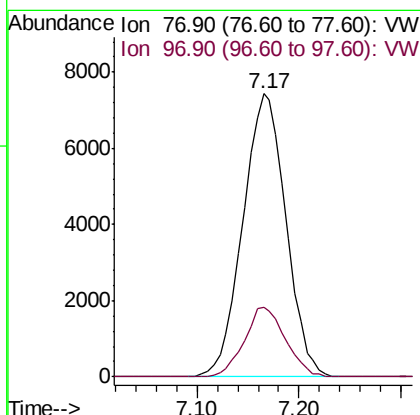
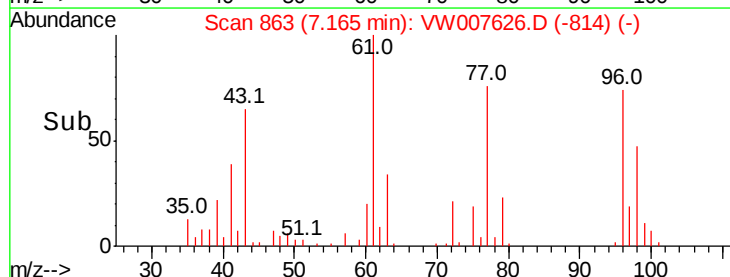
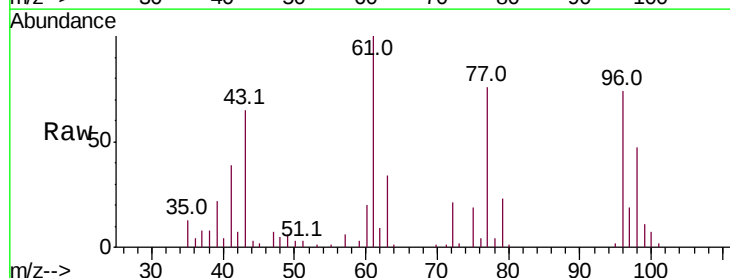
Manual Integrations
APPROVED

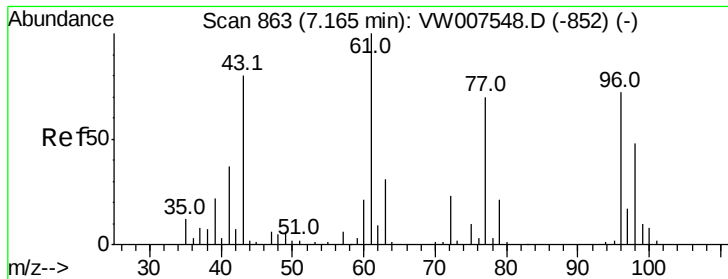
sam
12/27/2018 8:23:25 AM



#26
2,2-Dichloropropane
Concen: 22.873 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW007626.D
Acq: 17 Dec 2018 12:57

Tgt Ion: 77 Resp: 21741
Ion Ratio Lower Upper
77 100
97 23.6 11.6 34.8





#27

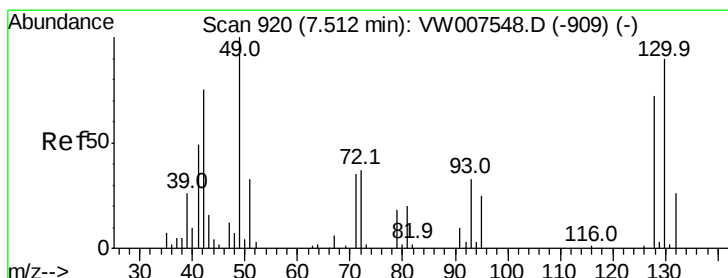
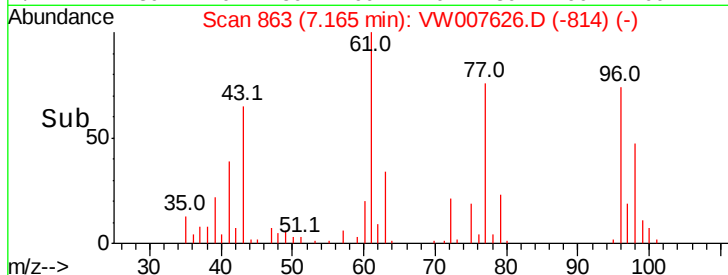
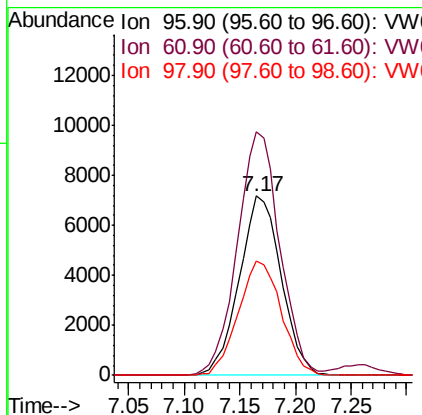
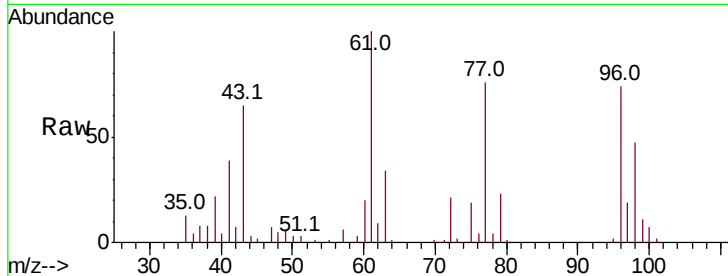
cis-1,2-Dichloroethene
Concen: 20.462 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW007626.D
Acq: 17 Dec 2018 12:57

Instrument :
MSVOA_W
ClientSampleId :
VW1219SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.2	0.0	268.4
98	65.3	0.0	127.8

Manual Integrations
APPROVED

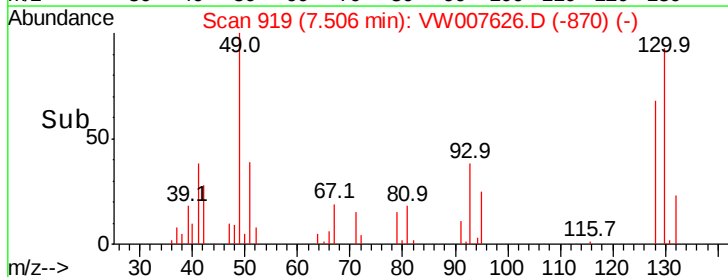
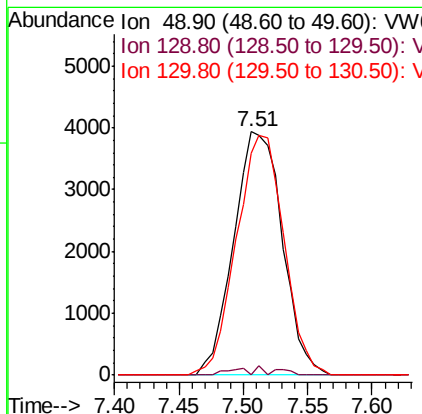
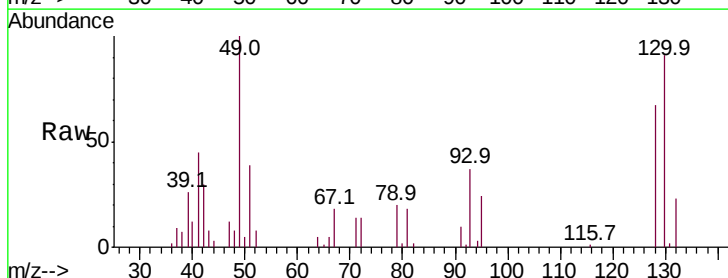
sam
12/27/2018 8:23:25 AM

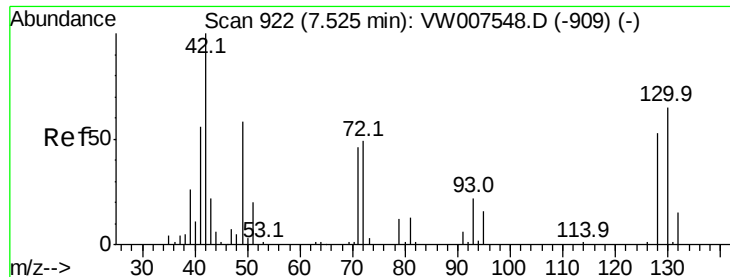


#28

Bromochloromethane
Concen: 19.104 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW007626.D
Acq: 17 Dec 2018 12:57

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.5	0.0	2.6
130	96.1	75.9	113.9





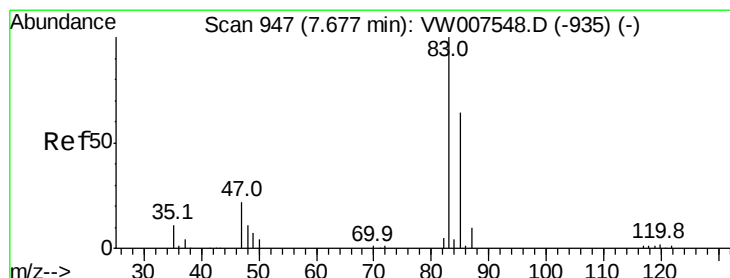
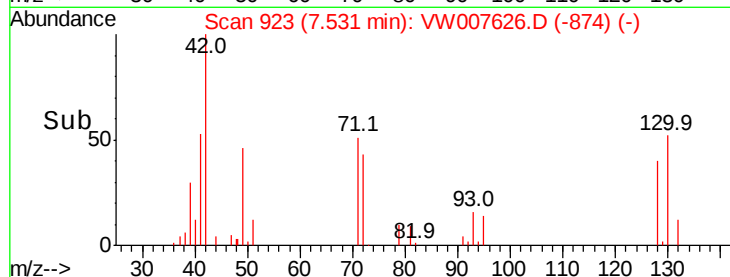
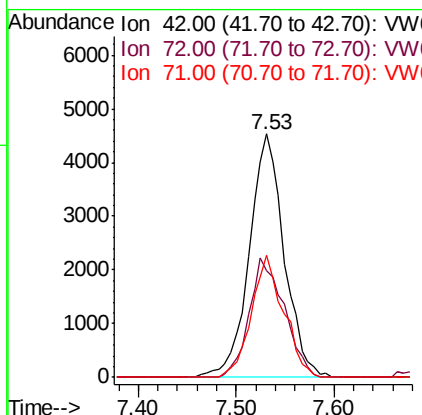
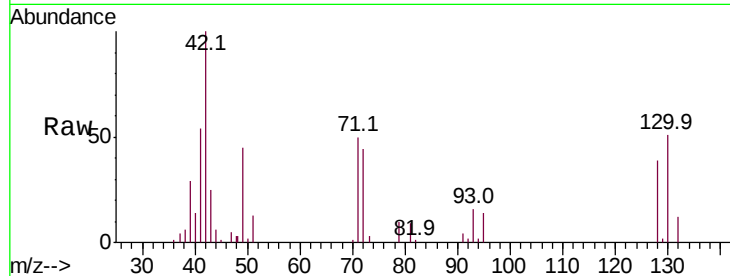
#29
Tetrahydrofuran
Concen: 91.321 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW007626.D
Acq: 17 Dec 2018 12:57

Instrument :
MSVOA_W
ClientSampleId :
VW1219SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.3	38.2	57.4
71	46.4	35.5	53.3

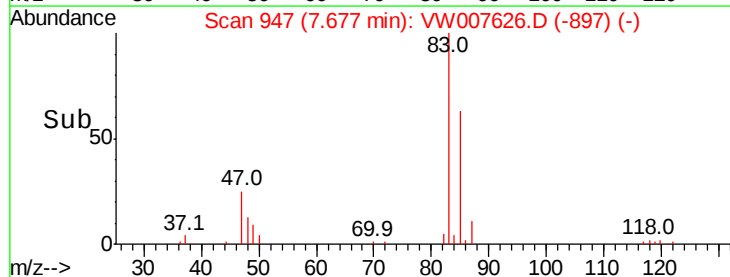
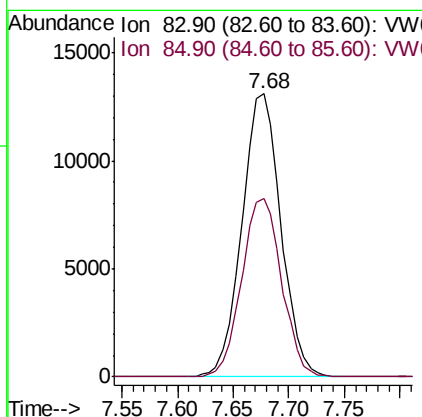
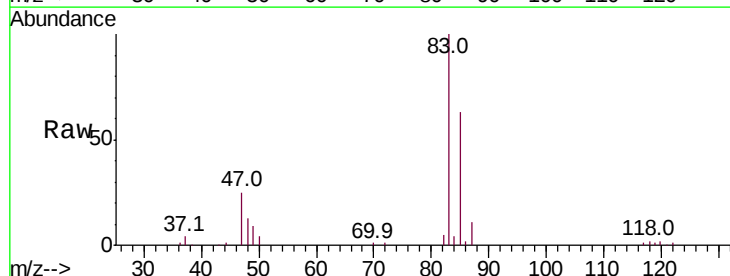
Manual Integrations
APPROVED

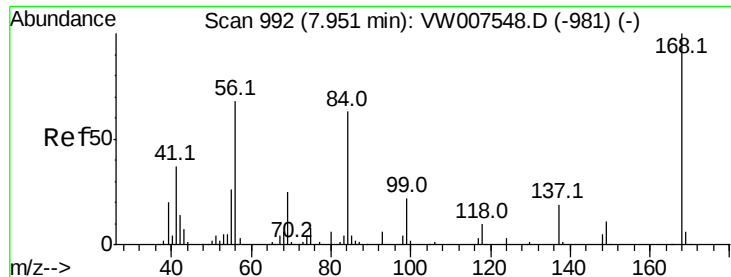
sam
12/27/2018 8:23:25 AM



#30
Chloroform
Concen: 20.371 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.01 min
Lab File: VW007626.D
Acq: 17 Dec 2018 12:57

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.8	51.8	77.8





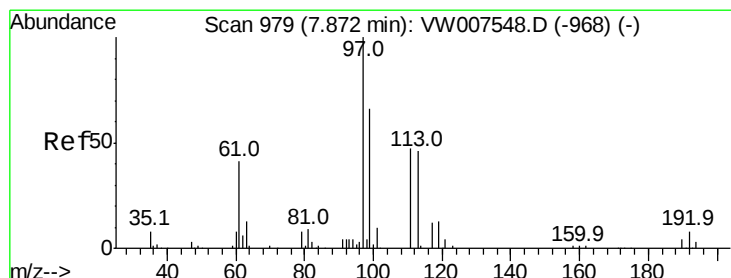
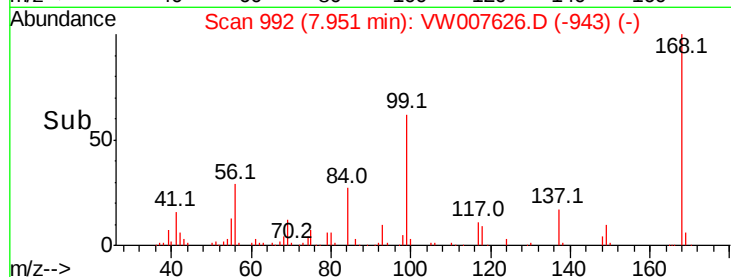
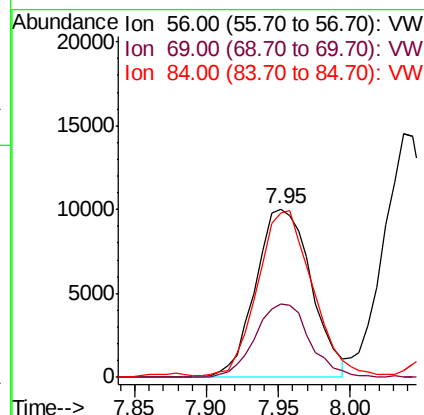
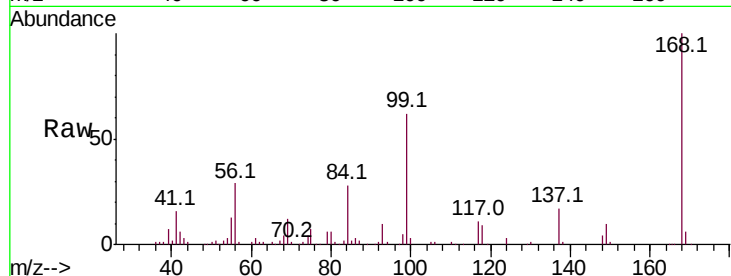
#31
Cyclohexane
Concen: 20.451 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW007626.D
Acq: 17 Dec 2018 12:57

Instrument :
MSVOA_W
ClientSampleId :
VW1219SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	43.6	28.9	43.3#
84	96.8	71.8	107.6

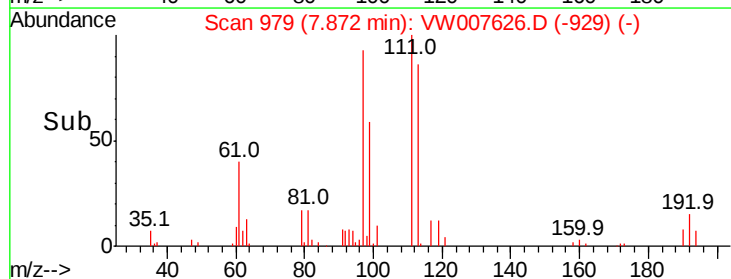
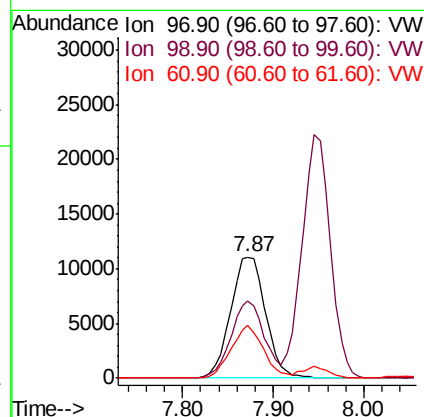
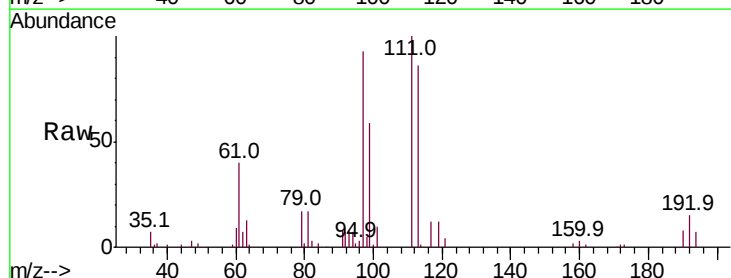
Manual Integrations
APPROVED

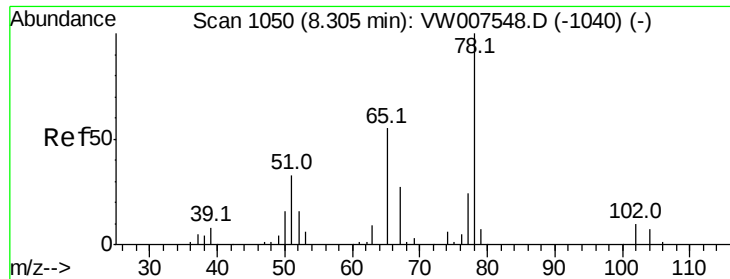
sam
12/27/2018 8:23:25 AM



#32
1,1,1-Trichloroethane
Concen: 21.660 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.01 min
Lab File: VW007626.D
Acq: 17 Dec 2018 12:57

Tgt Ion	Ratio	Lower	Upper
97	100		
99	61.2	51.1	76.7
61	40.6	33.2	49.8





#33

1,2-Dichloroethane-d4

Concen: 44.469 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW007626.D

Acq: 17 Dec 2018 12:57

Instrument :

MSVOA_W

ClientSampleId :

VW1219SBSD01

Tot Ion: 65 Resp: 37719

Ion Ratio Lower Upper

65 100

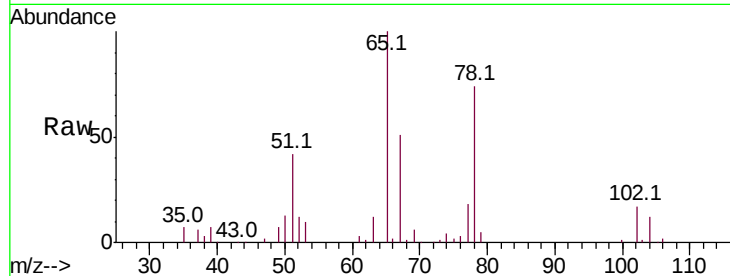
67 51.1 0.0 101.6

Manual Integrations

APPROVED

sam

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Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

20000

15000

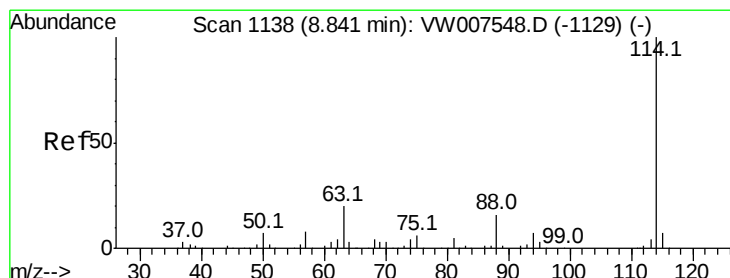
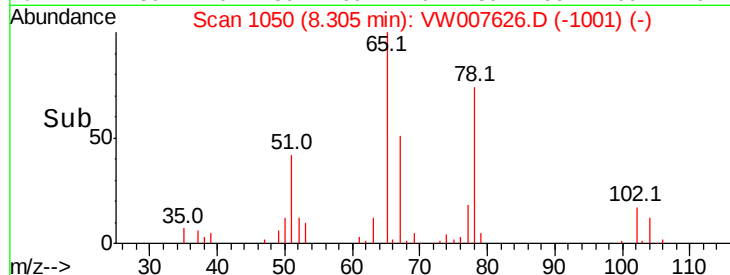
10000

5000

0

8.20 8.25 8.30 8.35 8.40

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW007626.D

Acq: 17 Dec 2018 12:57

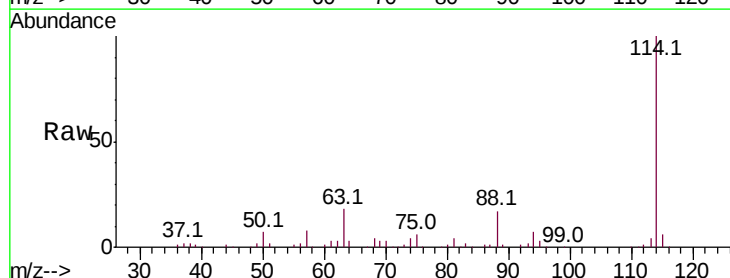
Tgt Ion: 114 Resp: 121840

Ion Ratio Lower Upper

114 100

63 18.5 0.0 39.6

88 16.6 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

80000

60000

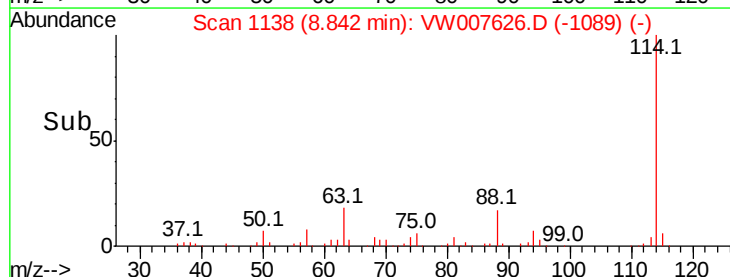
40000

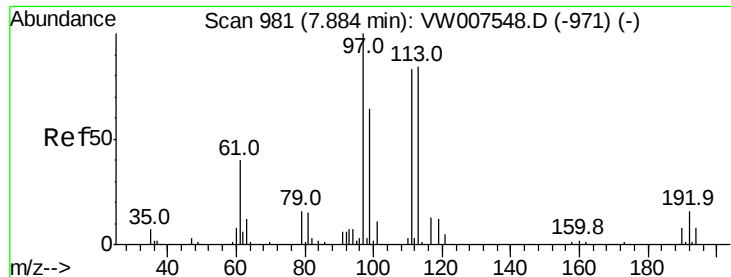
20000

0

8.75 8.80 8.85 8.90 8.95

Time-->





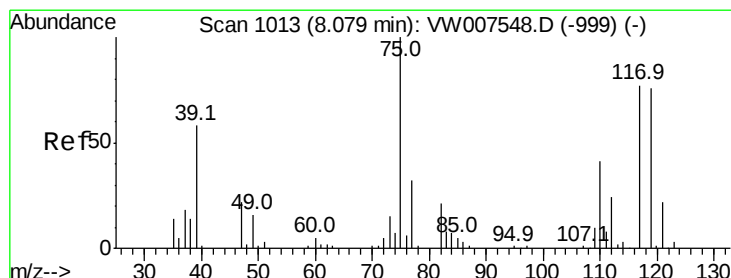
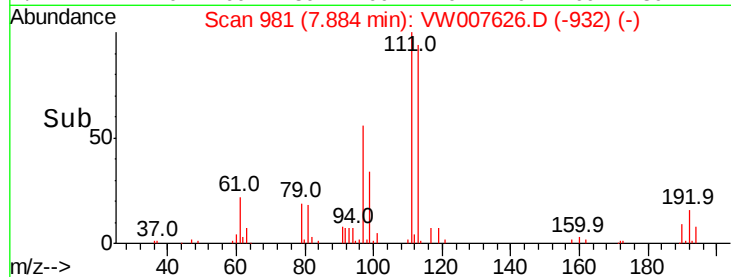
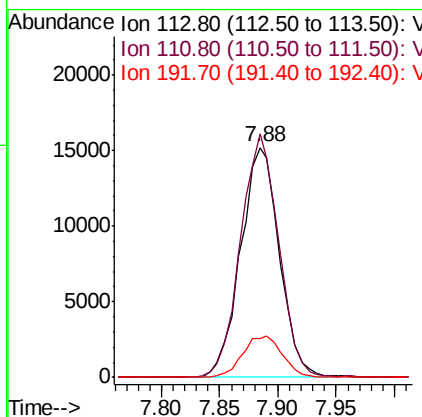
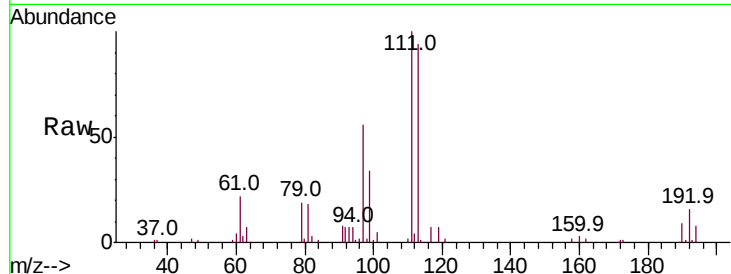
#35
 Dibromofluoromethane
 Concen: 47.952 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW007626.D
 Acq: 17 Dec 2018 12:57

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1219SBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.9	81.1	121.7
192	18.4	14.6	21.8

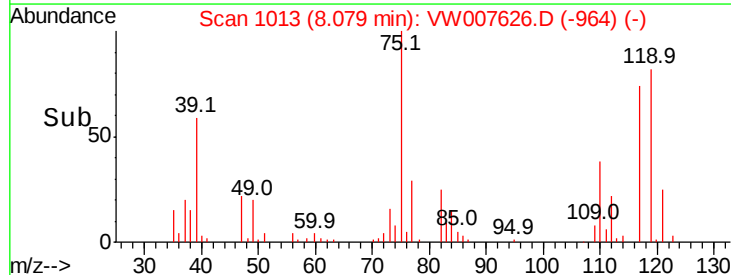
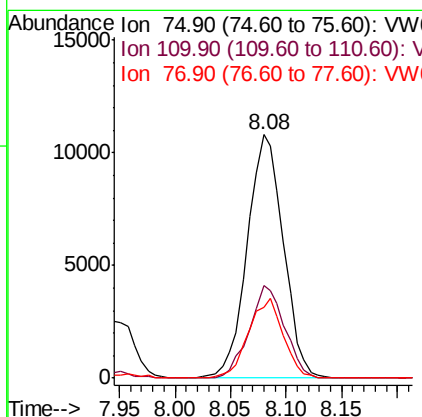
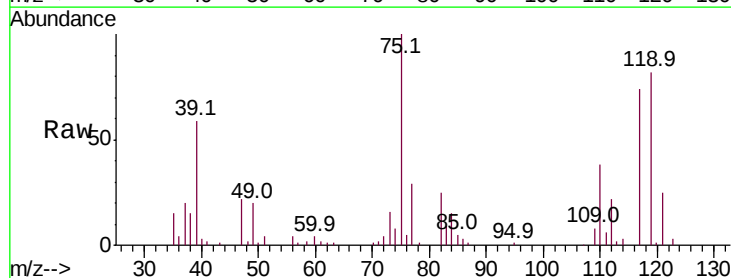
Manual Integrations
 APPROVED

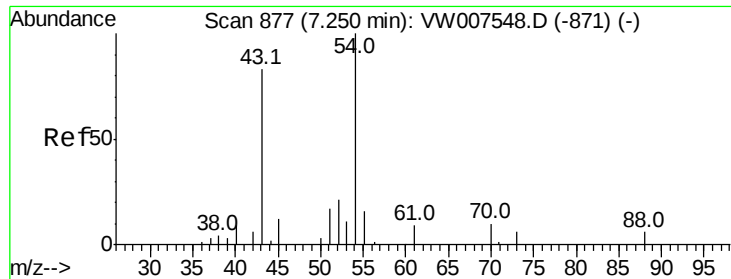
sam
 12/27/2018 8:23:25 AM



#36
 1,1-Dichloropropene
 Concen: 22.019 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW007626.D
 Acq: 17 Dec 2018 12:57

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.0	18.5	55.5
77	31.6	25.6	38.4





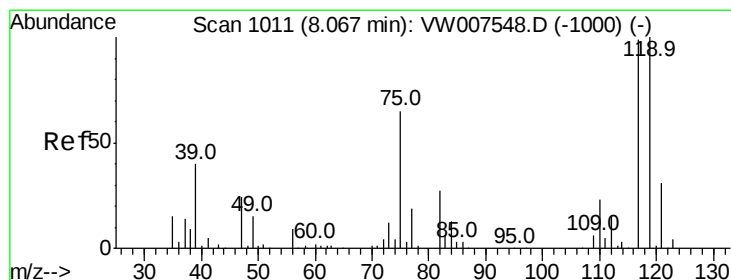
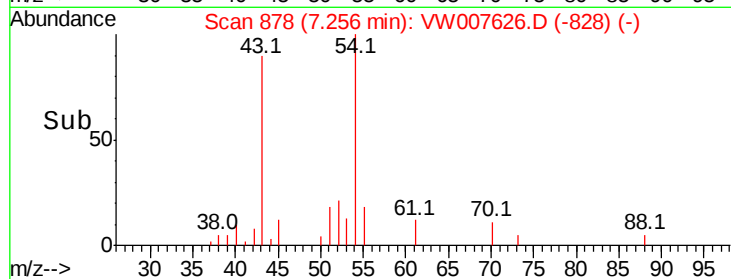
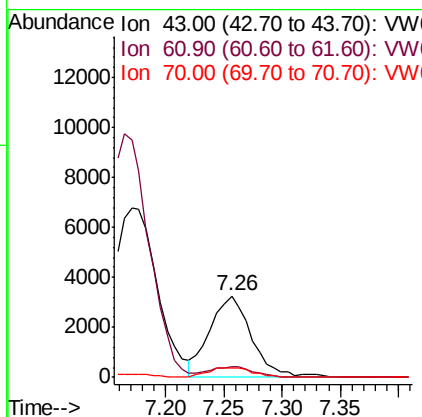
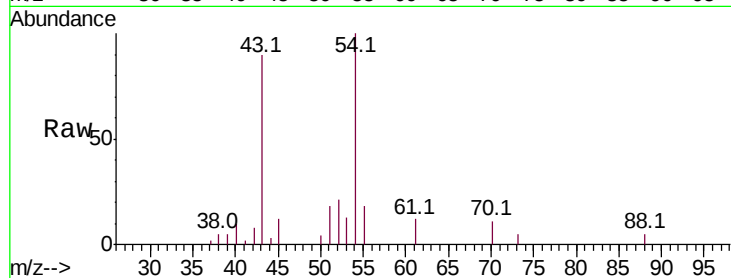
#37
Ethyl Acetate
Concen: 19.611 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW007626.D
Acq: 17 Dec 2018 12:57

Instrument :
MSVOA_W
ClientSampleId :
VW1219SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	12.1	18.1
70	12.6	10.0	15.0

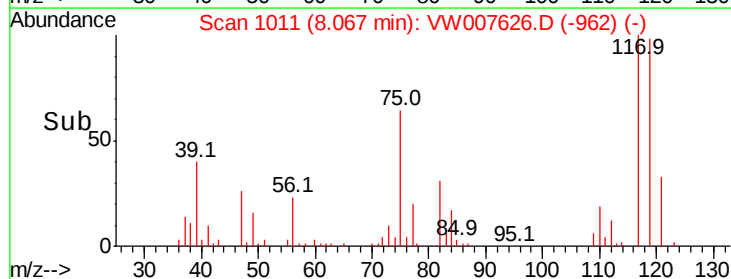
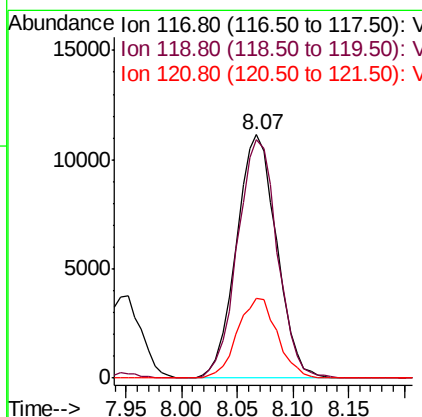
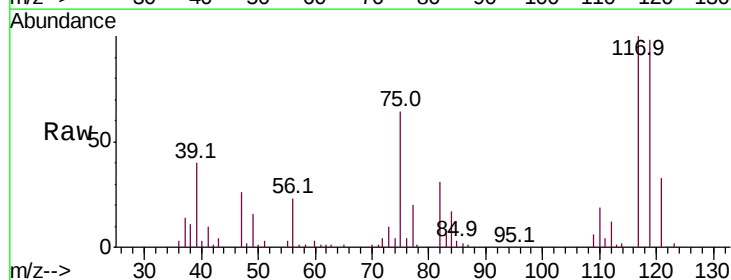
Manual Integrations
APPROVED

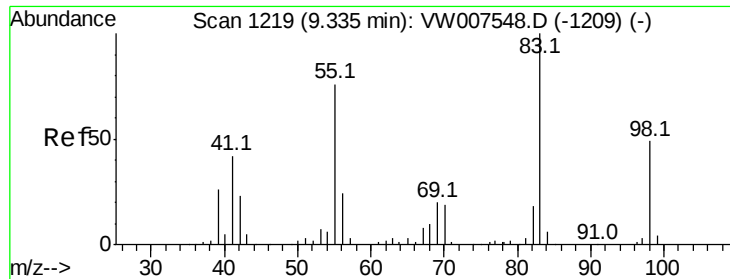
sam
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#38
Carbon Tetrachloride
Concen: 23.156 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW007626.D
Acq: 17 Dec 2018 12:57

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.9	74.3	111.5
121	32.5	24.3	36.5





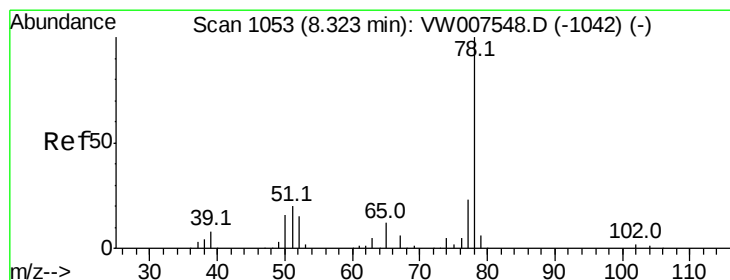
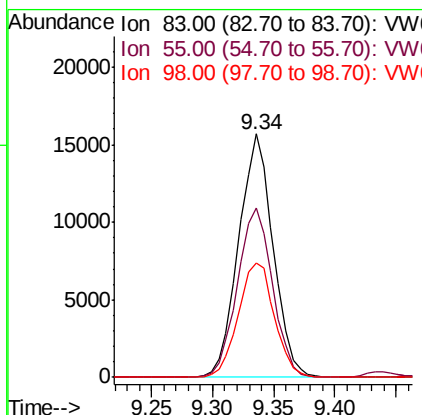
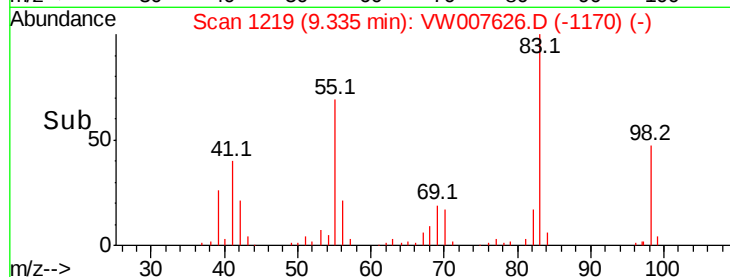
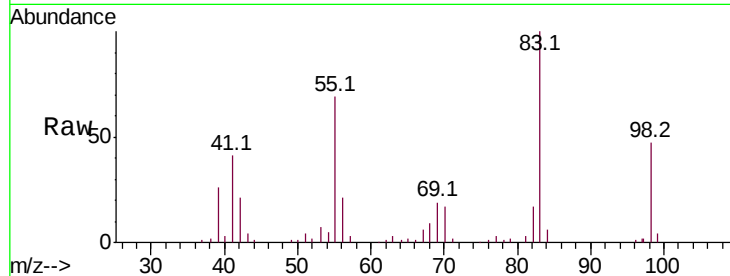
#39
Methvlcvclohexane
Concen: 22.765 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW007626.D
Acq: 17 Dec 2018 12:57

Instrument :
MSVOA_W
ClientSampleId :
VW1219SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	69.5	62.8	94.2
98	47.1	42.2	63.2

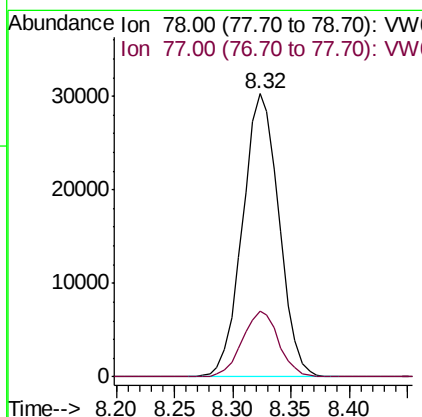
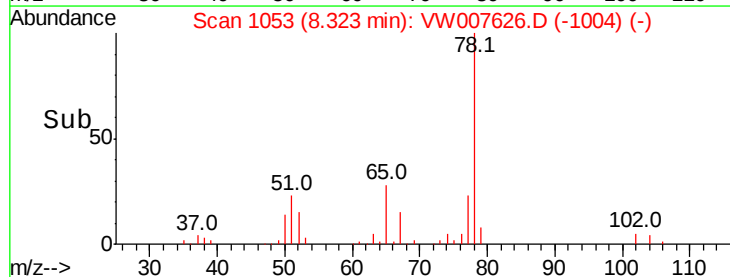
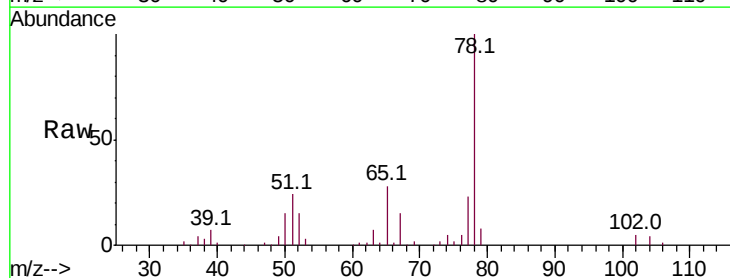
Manual Integrations
APPROVED

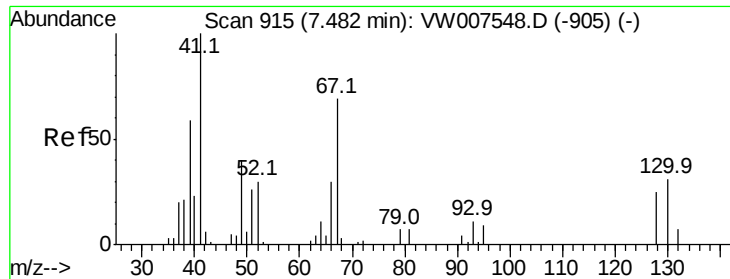
sam
12/27/2018 8:23:25 AM



#40
Benzene
Concen: 21.425 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW007626.D
Acq: 17 Dec 2018 12:57

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.8	28.2





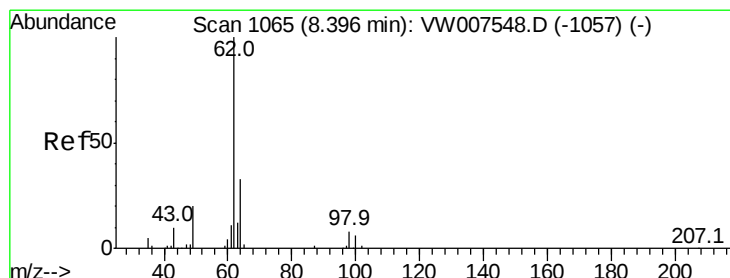
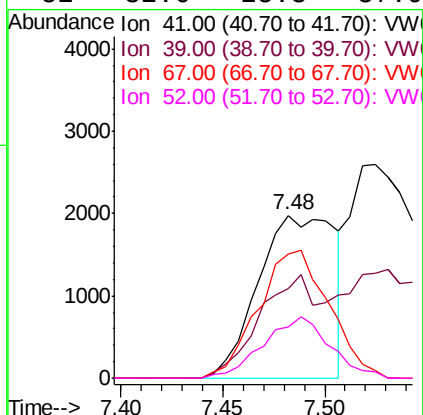
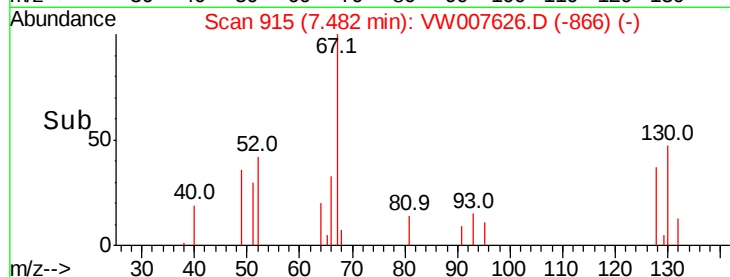
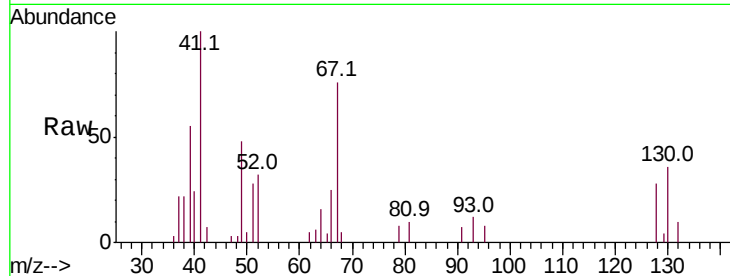
#41
Methacrylonitrile
Concen: 22.115 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW007626.D
Acq: 17 Dec 2018 12:57

Instrument :
MSVOA_W
ClientSampleId :
VW1219SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	50.4	52.2	78.2#
67	72.1	60.5	90.7
52	32.6	25.3	37.9

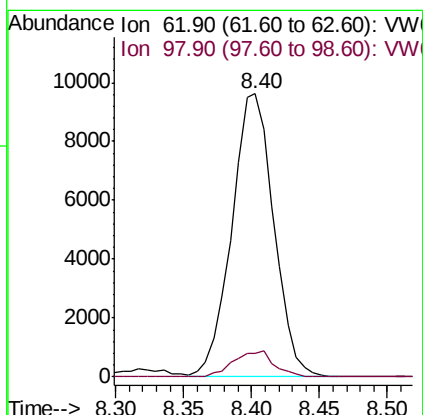
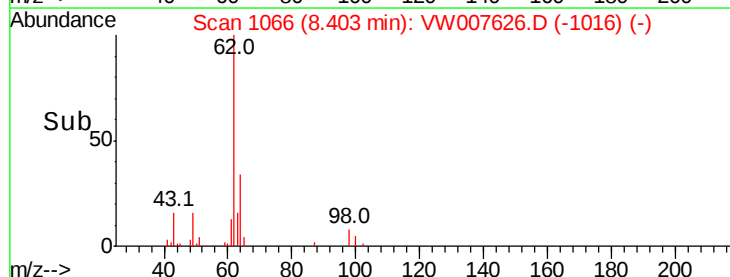
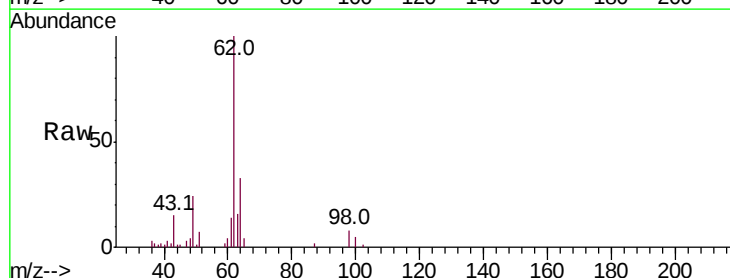
Manual Integrations
APPROVED

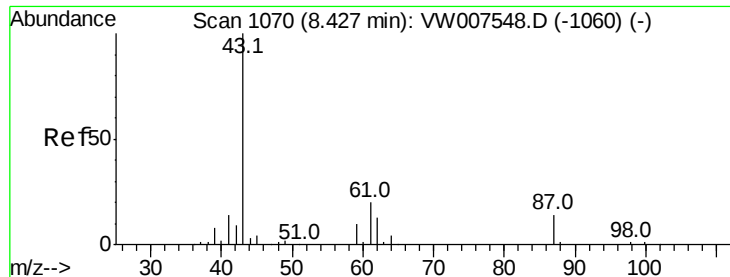
sam
12/27/2018 8:23:25 AM



#42
1,2-Dichloroethane
Concen: 21.394 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW007626.D
Acq: 17 Dec 2018 12:57

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	17.6





#43

Isopropyl Acetate

Concen: 19.648 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW007626.D

Acq: 17 Dec 2018 12:57

Instrument :

MSVOA_W

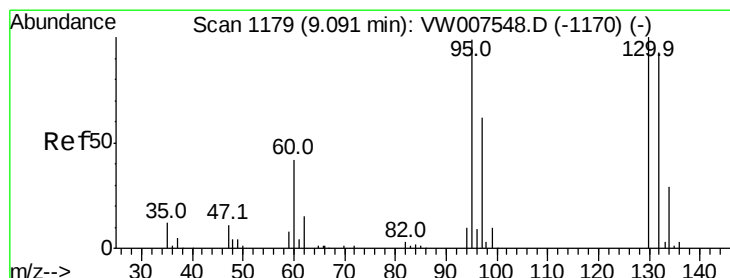
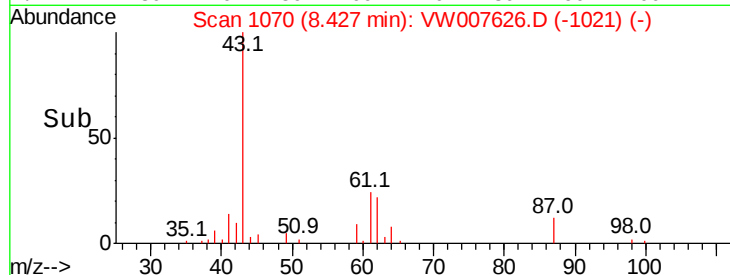
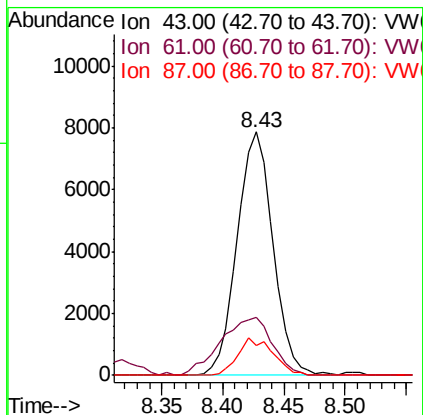
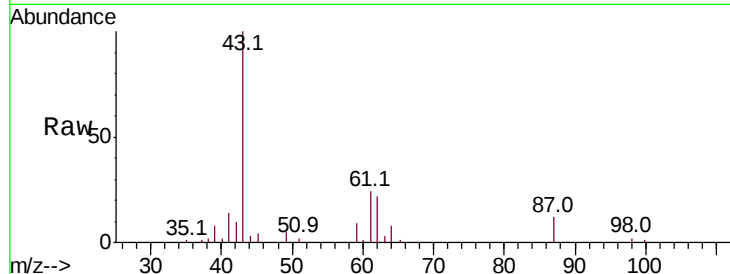
ClientSampleId :

VW1219SBS01

Tot Ion:	43	Resp:	16044
Ion	Ratio	Lower	Upper
43	100		
61	34.2	25.3	37.9
87	15.1	11.8	17.8

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#44

Trichloroethene

Concen: 21.626 ug/l

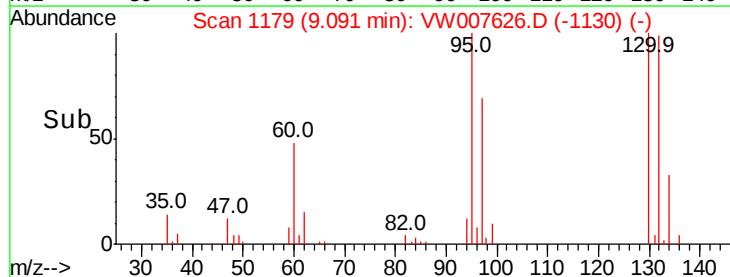
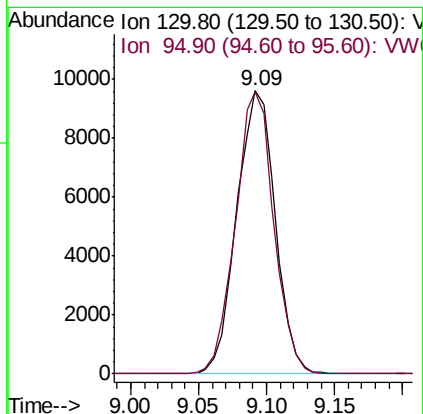
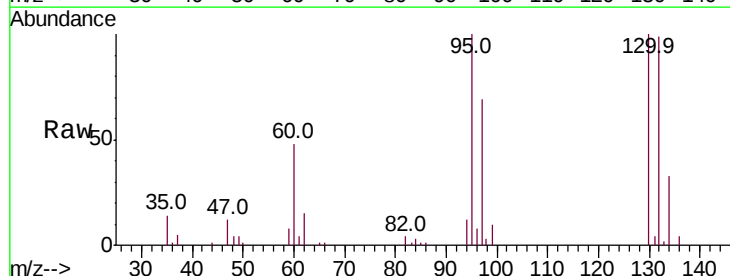
RT: 9.09 min Scan# 1179

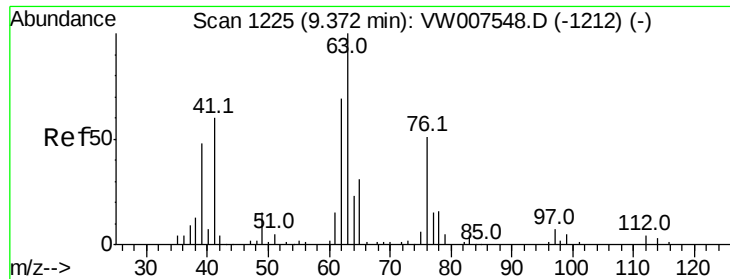
Delta R.T. -0.00 min

Lab File: VW007626.D

Acq: 17 Dec 2018 12:57

Tgt Ion:	130	Resp:	19048
Ion	Ratio	Lower	Upper
130	100		
95	99.6	0.0	193.2





#45

1,2-Dichloropropane

Concen: 20.395 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW007626.D

Acq: 17 Dec 2018 12:57

Instrument :

MSVOA_W

ClientSampleId :

VW1219SBS01

Tot Ion: 63 Resp: 14558

Ion Ratio Lower Upper

63 100

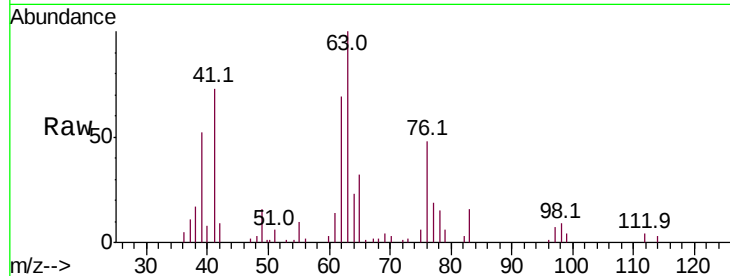
65 32.0 24.4 36.6

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Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW

9.37

8000

6000

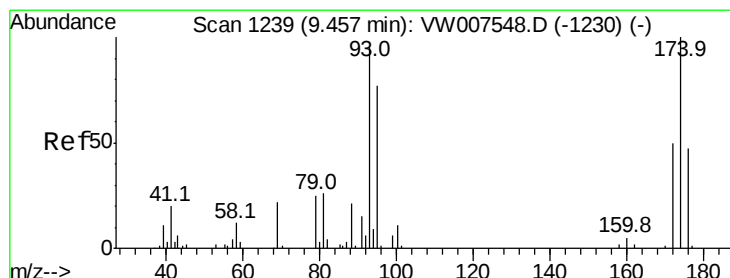
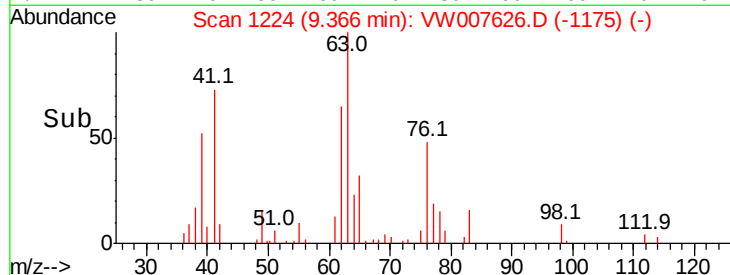
4000

2000

0

Time-->

9.25 9.30 9.35 9.40 9.45



#46

Dibromomethane

Concen: 20.469 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW007626.D

Acq: 17 Dec 2018 12:57

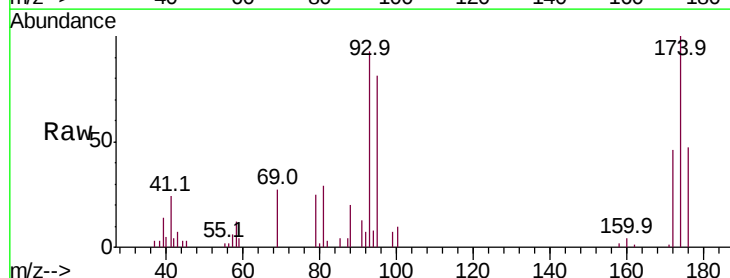
Tgt Ion: 93 Resp: 8297

Ion Ratio Lower Upper

93 100

95 84.8 68.0 102.0

174 103.7 83.2 124.8



Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V

9.46

6000

5000

4000

3000

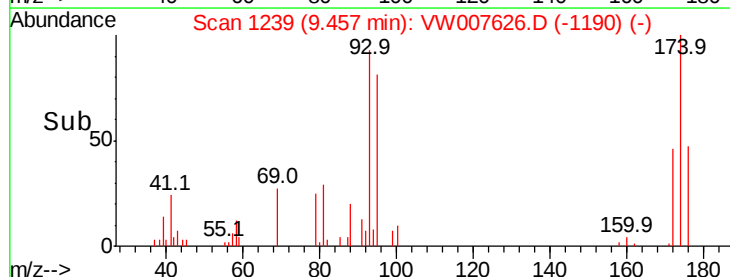
2000

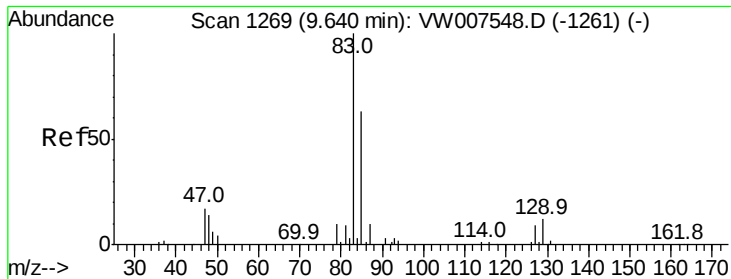
1000

0

Time-->

9.40 9.45 9.50





#47

Bromodichloromethane

Concen: 21.343 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VW007626.D

Acq: 17 Dec 2018 12:57

Instrument :

MSVOA_W

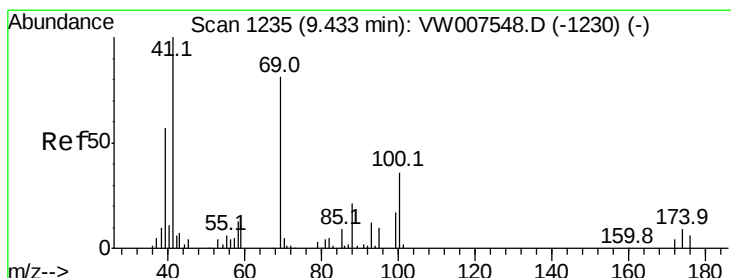
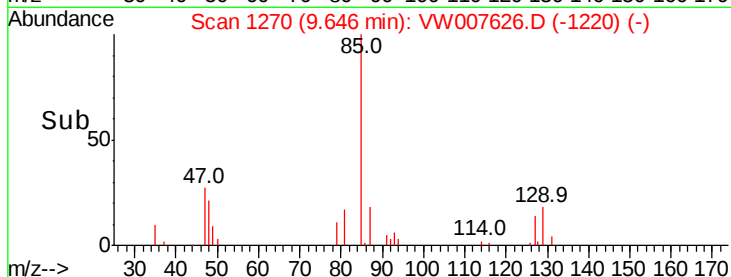
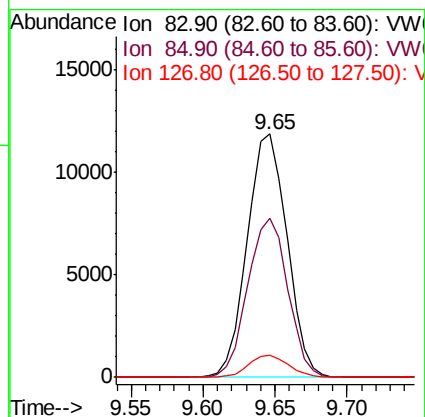
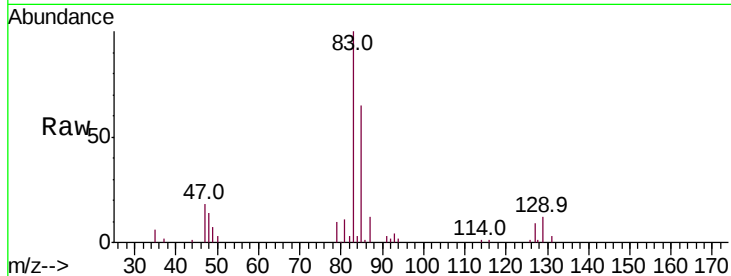
ClientSampleId :

VW1219SBS01

Tot Ion:	83	Resp:	22693
Ion Ratio	Lower	Upper	
83	100		
85	65.5	47.6	71.4
127	9.0	6.7	10.1

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#48

Methyl methacrylate

Concen: 18.964 ug/l

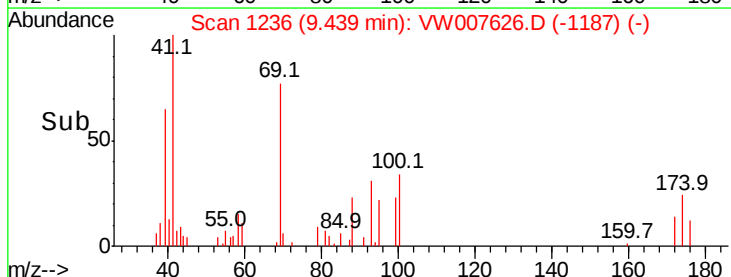
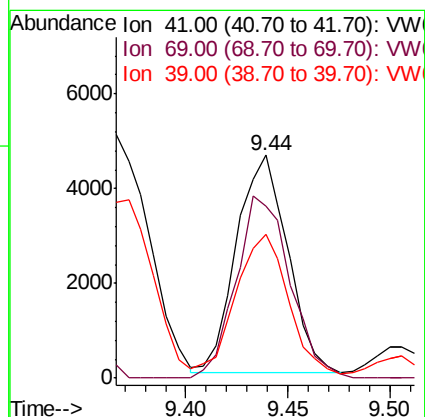
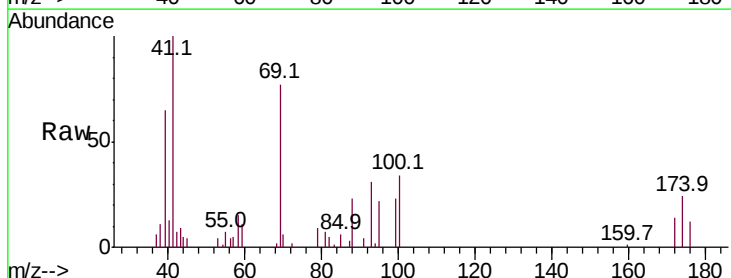
RT: 9.44 min Scan# 1236

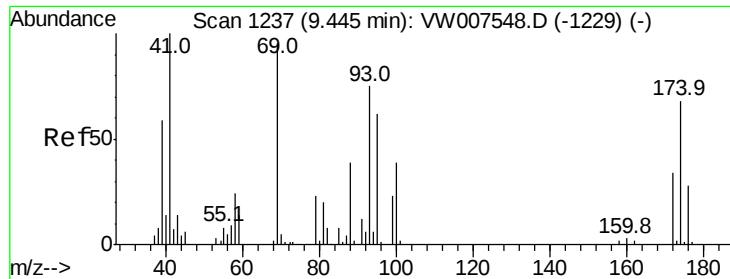
Delta R.T. -0.00 min

Lab File: VW007626.D

Acq: 17 Dec 2018 12:57

Tgt Ion:	41	Resp:	7953
Ion Ratio	Lower	Upper	
41	100		
69	88.8	69.8	104.8
39	65.2	50.9	76.3





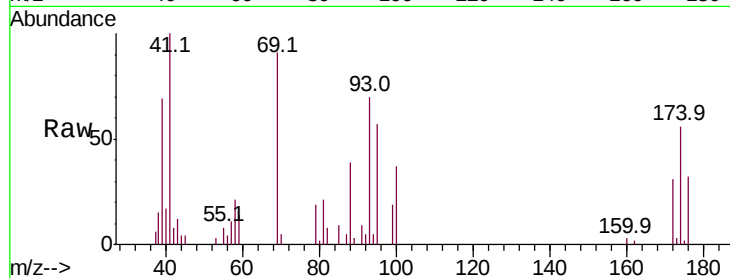
#49
1,4-Dioxane
Concen: 406.561 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.01 min
Lab File: VW007626.D
Acq: 17 Dec 2018 12:57

Instrument :
MSVOA_W
ClientSampleId :
VW1219SBS01

Tot Ion	88	Resp	2674
Ion	Ratio	Lower	Upper
88	100		
43	32.1	25.0	37.4
58	63.4	51.4	77.2

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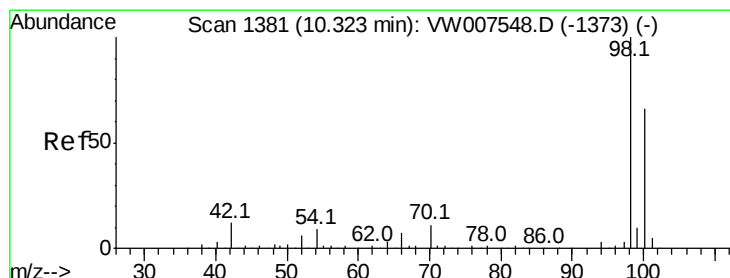
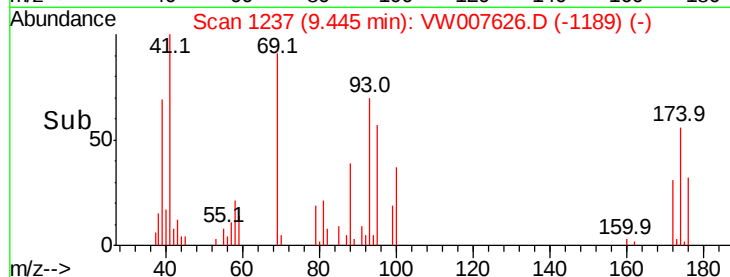
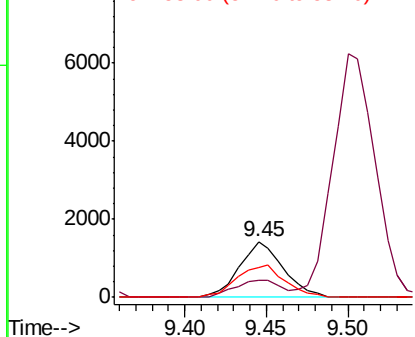


Abundance

Ion 88.00 (87.70 to 88.70): VW

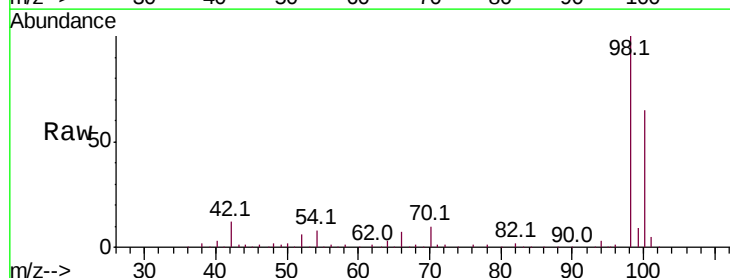
Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50
Toluene-d8
Concen: 47.621 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW007626.D
Acq: 17 Dec 2018 12:57

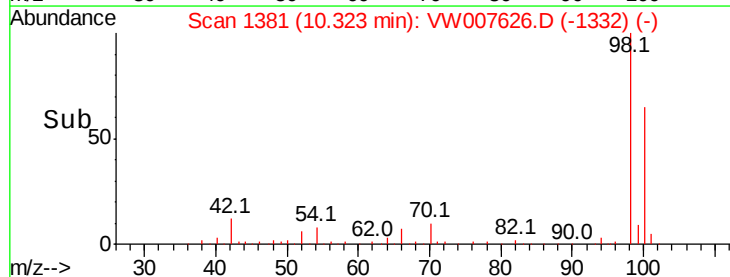
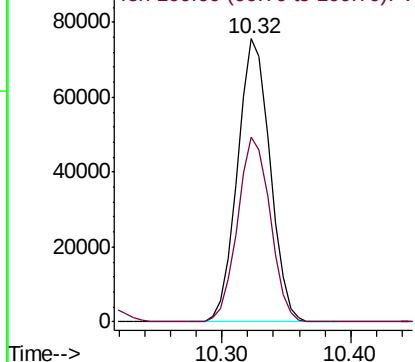
Tgt Ion	98	Resp	131692
Ion	Ratio	Lower	Upper
98	100		
100	65.6	51.8	77.8

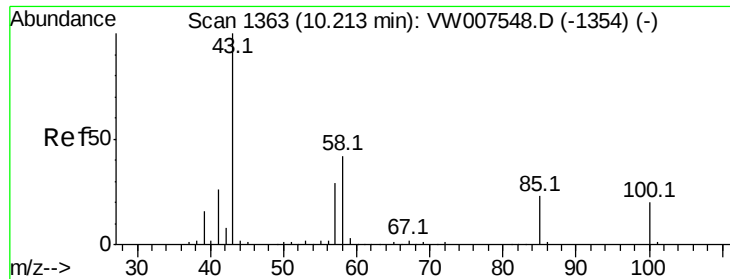


Abundance

Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 94.136 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW007626.D

Acq: 17 Dec 2018 12:57

Instrument :

MSVOA_W

ClientSampleId :

VW1219SBS01

Tot Ion: 43 Resp: 36321

Ion Ratio Lower Upper

43 100

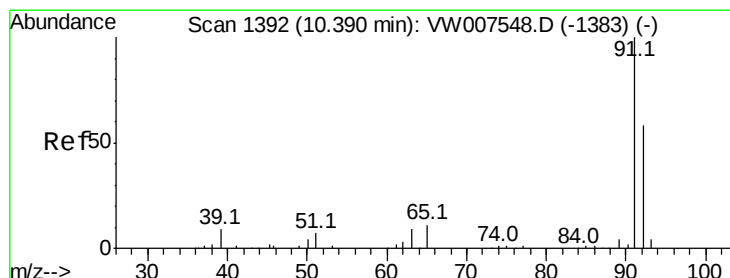
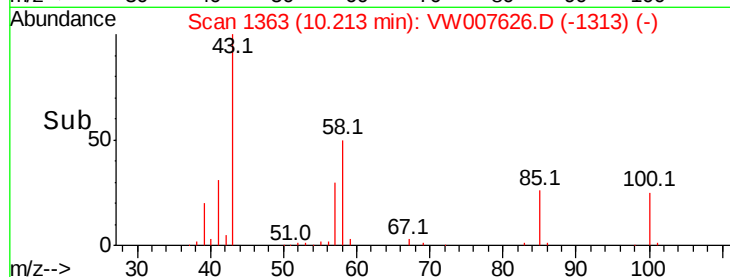
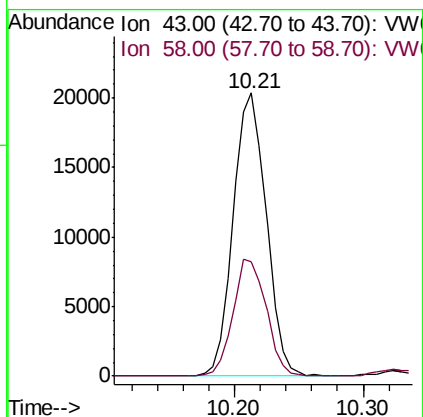
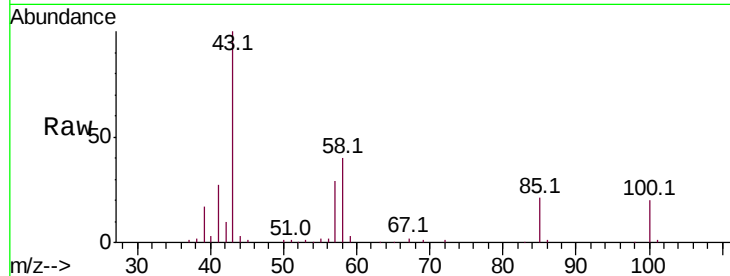
58 41.2 33.1 49.7

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#52

Toluene

Concen: 21.679 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW007626.D

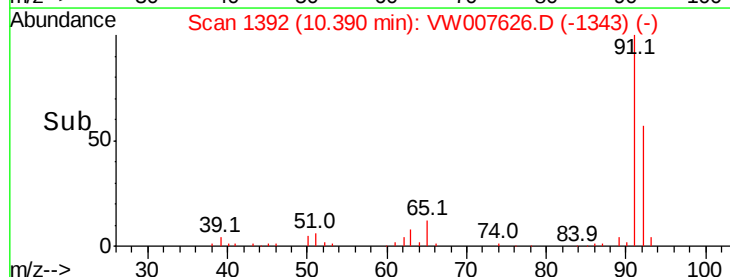
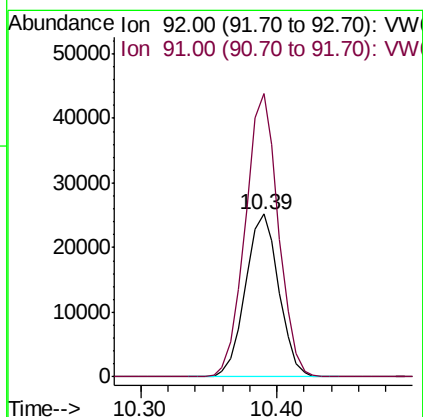
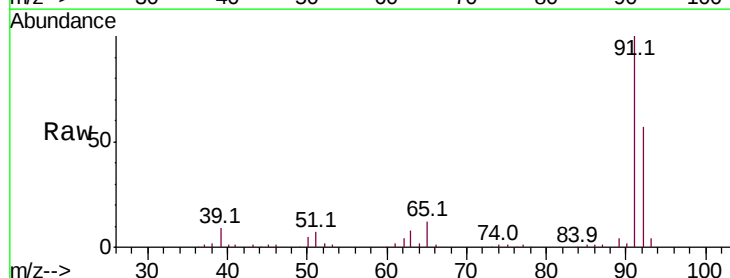
Acq: 17 Dec 2018 12:57

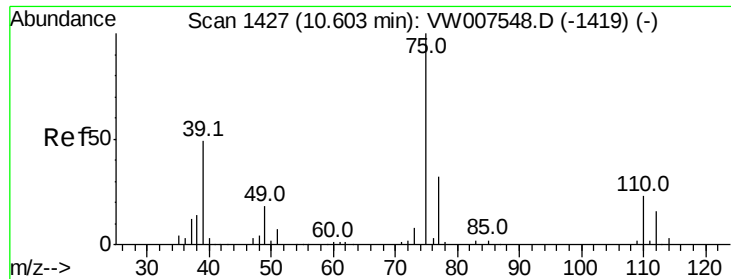
Tgt Ion: 92 Resp: 43274

Ion Ratio Lower Upper

92 100

91 172.2 136.2 204.2





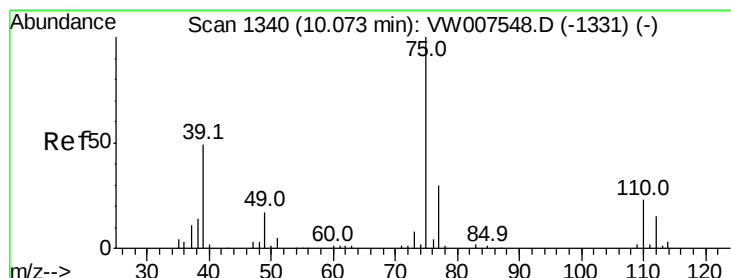
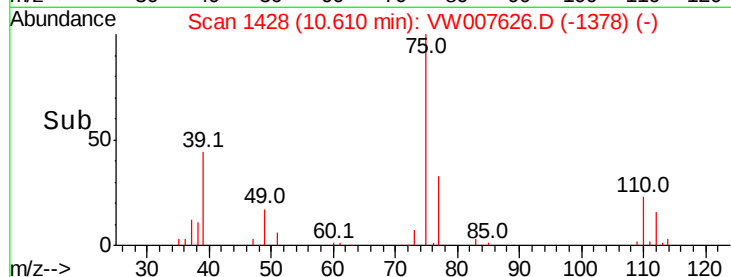
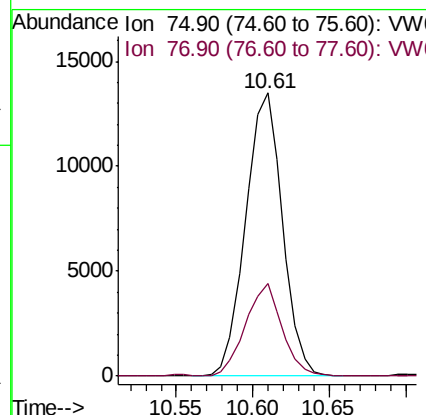
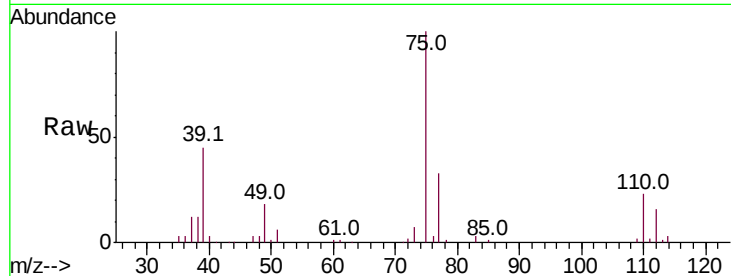
#53
 t-1,3-Dichloropropene
 Concen: 21.830 ug/l
 RT: 10.61 min Scan# 1428
 Delta R.T. 0.01 min
 Lab File: VW007626.D
 Acq: 17 Dec 2018 12:57

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1219SBS01

Tot Ion: 75 Resp: 22534
 Ion Ratio Lower Upper
 75 100
 77 32.6 26.2 39.4

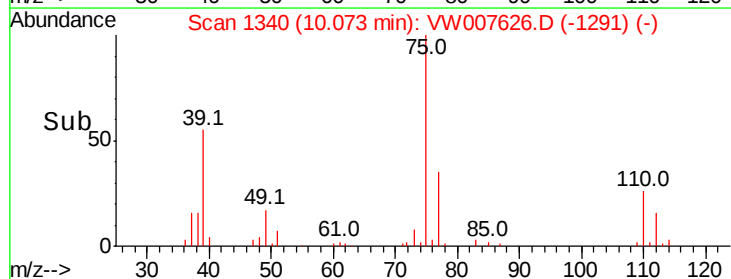
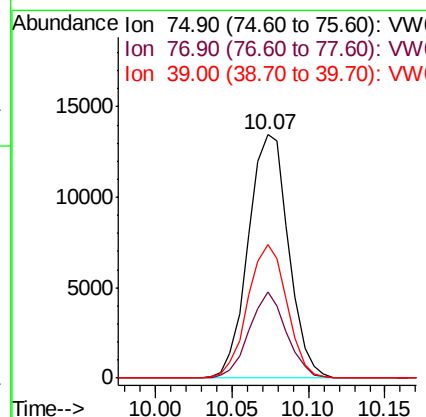
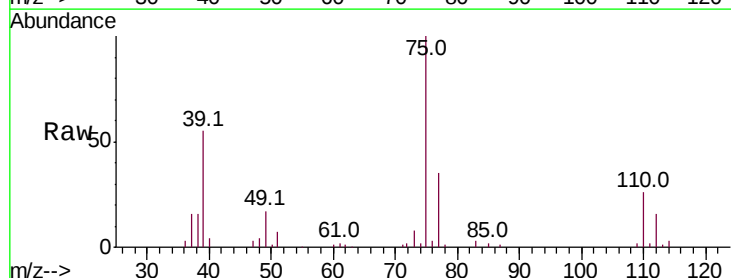
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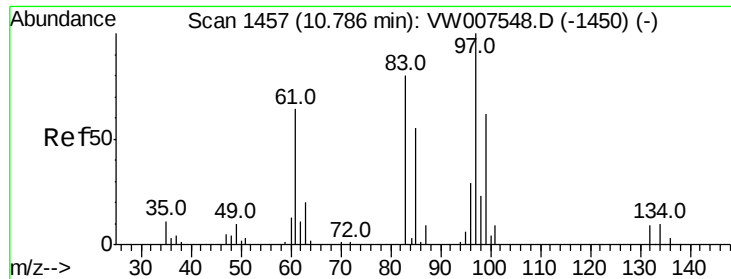
sam
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#54
 cis-1,3-Dichloropropene
 Concen: 20.652 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW007626.D
 Acq: 17 Dec 2018 12:57

Tgt Ion: 75 Resp: 24644
 Ion Ratio Lower Upper
 75 100
 77 35.4 24.8 37.2
 39 54.9 40.9 61.3





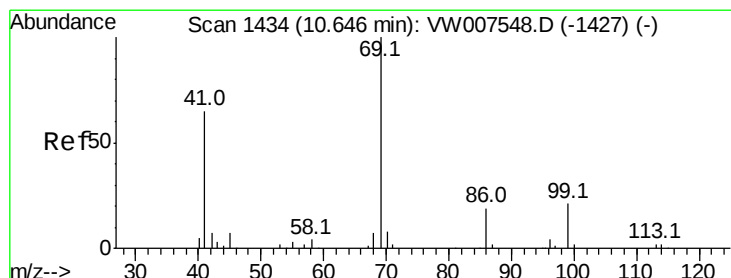
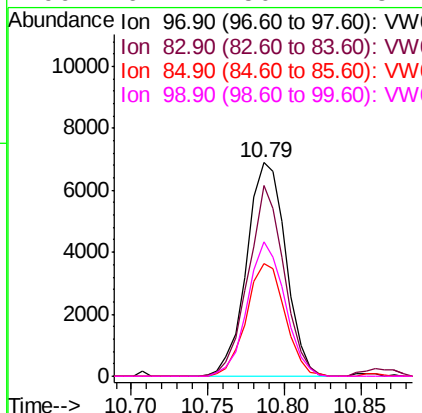
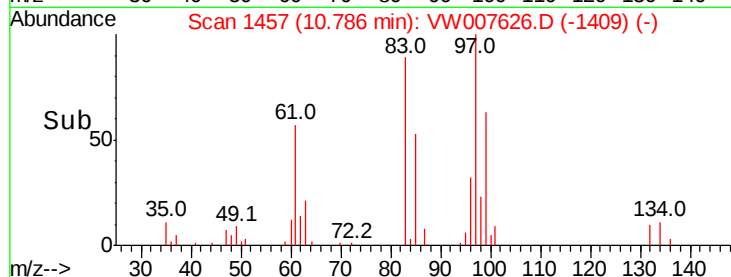
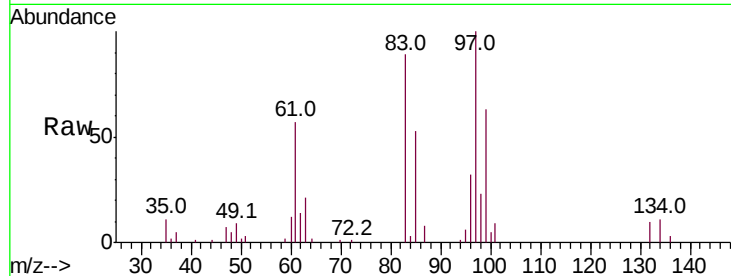
#55
 1,1,2-Trichloroethane
 Concen: 22.292 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.01 min
 Lab File: VW007626.D
 Acq: 17 Dec 2018 12:57

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1219SBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	89.3	62.1	93.1
85	52.9	44.2	66.4
99	62.7	50.2	75.4

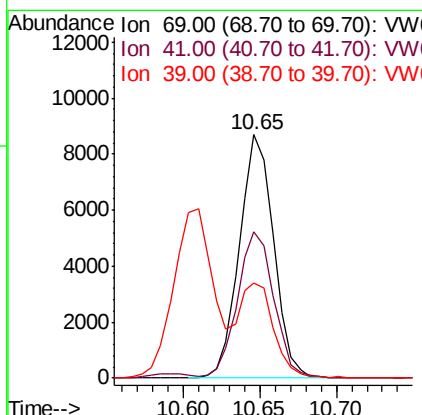
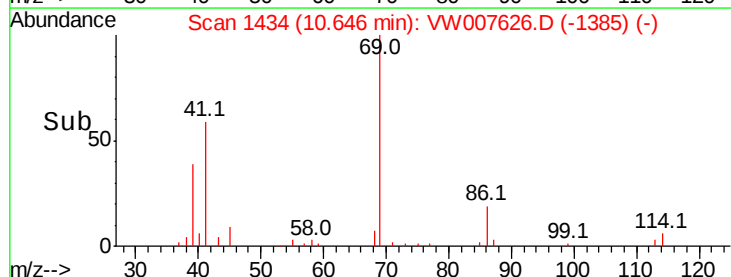
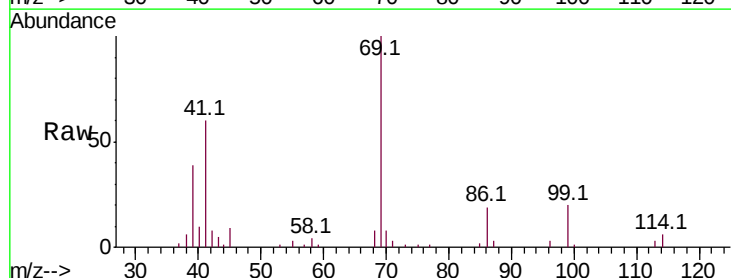
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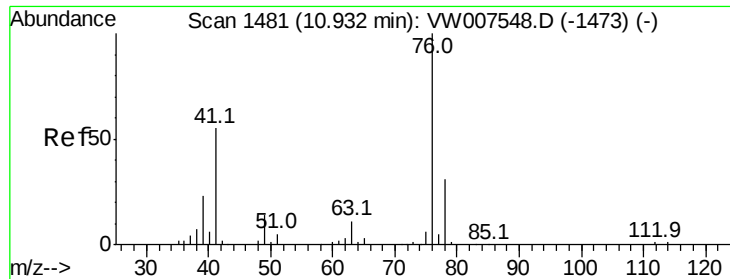
sam
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#56
 Ethyl methacrylate
 Concen: 20.389 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW007626.D
 Acq: 17 Dec 2018 12:57

Tgt Ion	Ratio	Lower	Upper
69	100		
41	63.7	51.0	76.6
39	40.8	30.8	46.2





#57

1,3-Dichloropropane

Concen: 21.830 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW007626.D

Acq: 17 Dec 2018 12:57

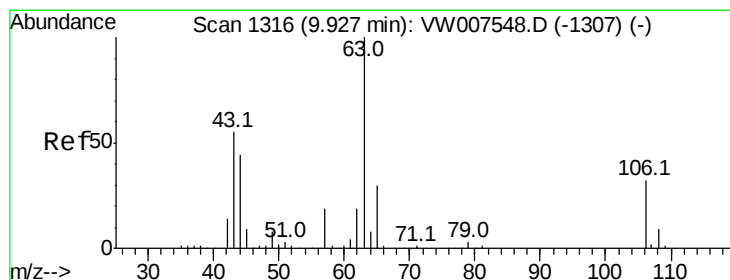
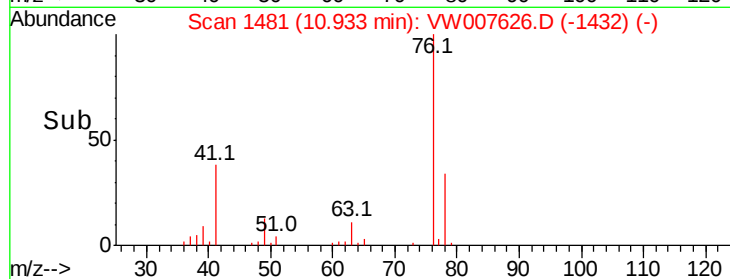
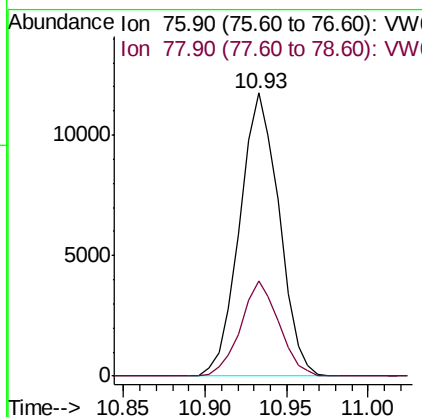
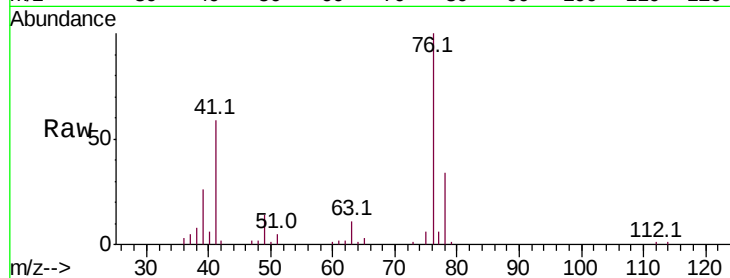
Instrument :
MSVOA_W
ClientSampleId :
VW1219SBSD01

Tot Ion: 76 Resp: 19767

Ion	Ratio	Lower	Upper
76	100		
78	32.7	26.2	39.4

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#58

2-Chloroethyl Vinyl ether

Concen: 98.993 ug/l

RT: 9.93 min Scan# 1316

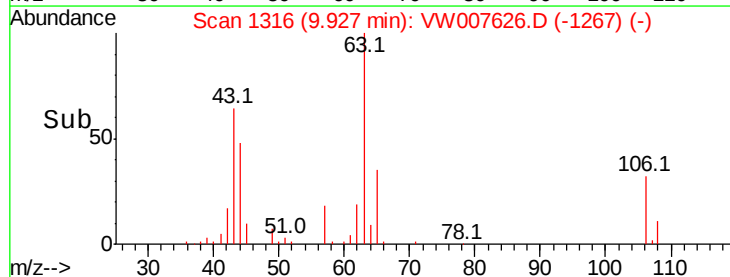
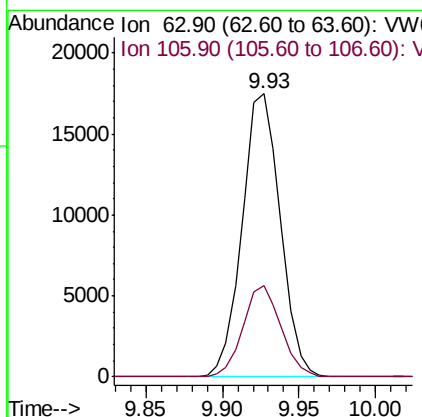
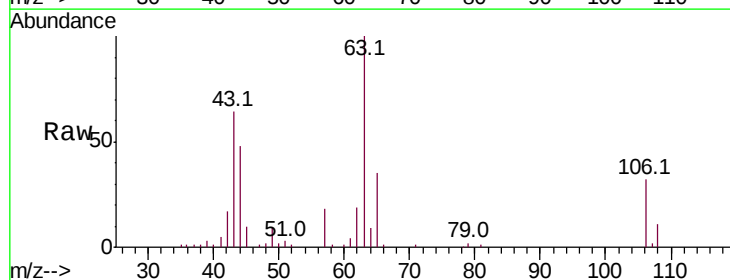
Delta R.T. -0.00 min

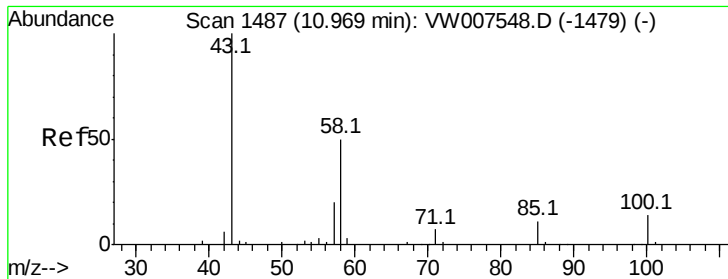
Lab File: VW007626.D

Acq: 17 Dec 2018 12:57

Tgt Ion: 63 Resp: 30271

Ion	Ratio	Lower	Upper
63	100		
106	32.3	25.0	37.6





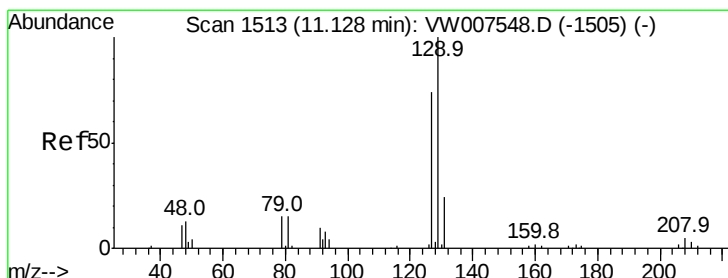
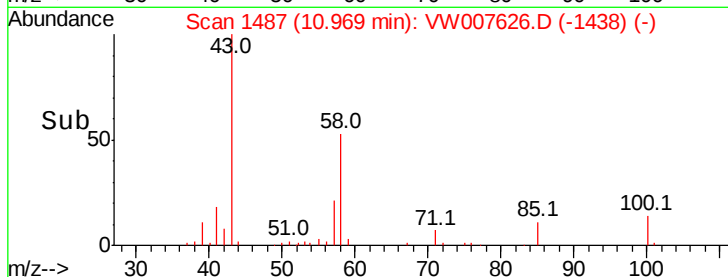
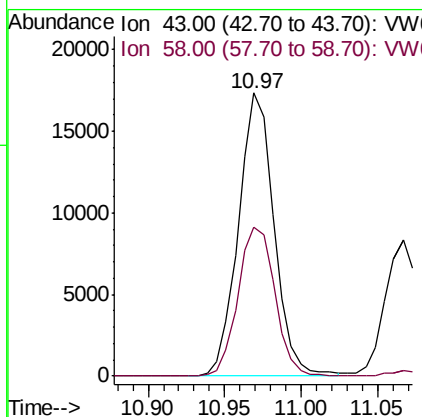
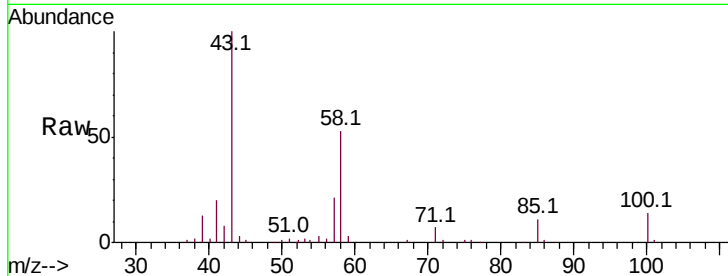
#59
2-Hexanone
Concen: 109.098 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW007626.D
Acq: 17 Dec 2018 12:57

Instrument :
MSVOA_W
ClientSampleId :
VW1219SBS01

Tot Ion: 43 Resp: 28068
Ion Ratio Lower Upper
43 100
58 54.4 27.1 81.3

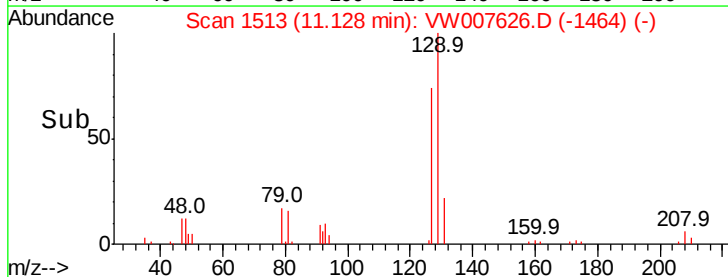
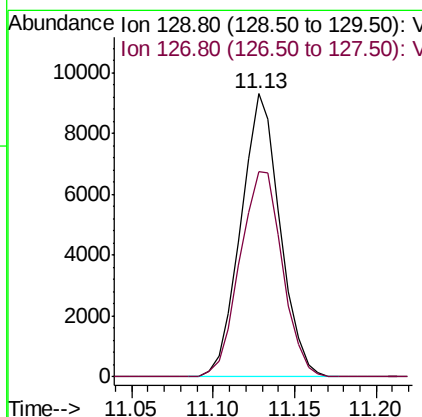
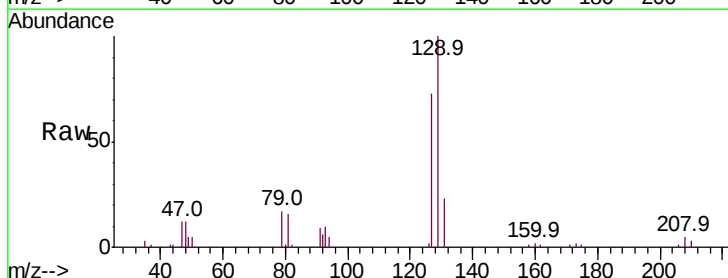
Manual Integrations
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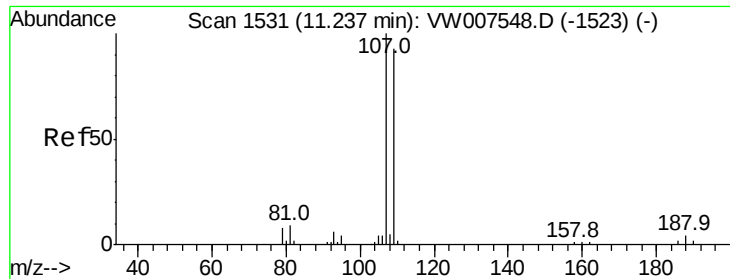
sam
12/27/2018 8:23:25 AM



#60
Dibromochloromethane
Concen: 22.306 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW007626.D
Acq: 17 Dec 2018 12:57

Tgt Ion: 129 Resp: 15530
Ion Ratio Lower Upper
129 100
127 78.6 38.1 114.3





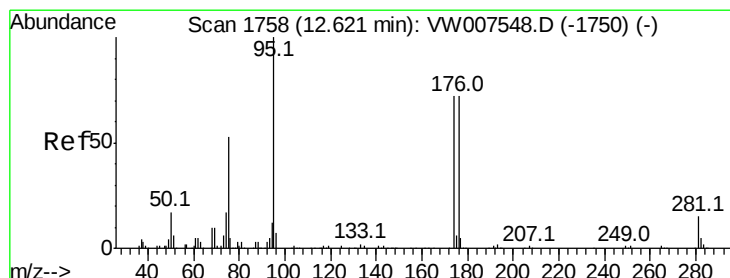
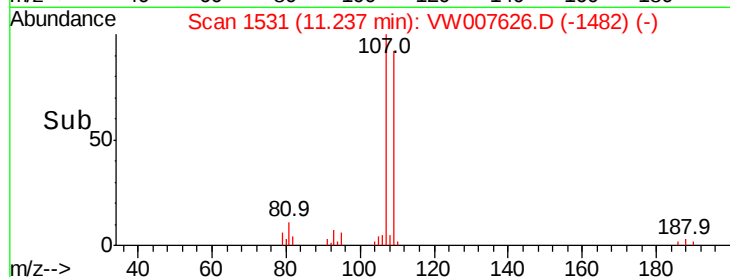
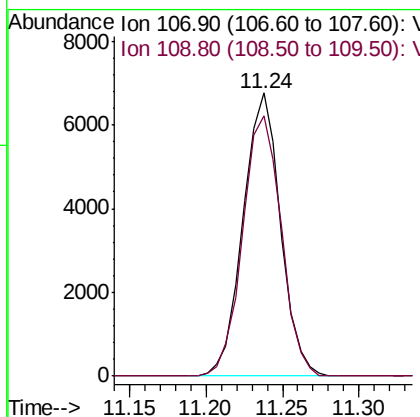
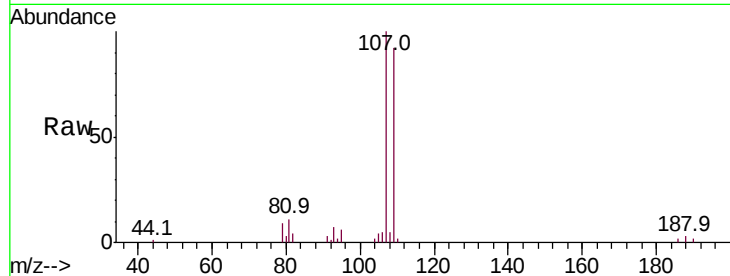
#61
 1,2-Dibromoethane
 Concen: 21.059 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW007626.D
 Acq: 17 Dec 2018 12:57

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1219SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.8	79.1	118.7

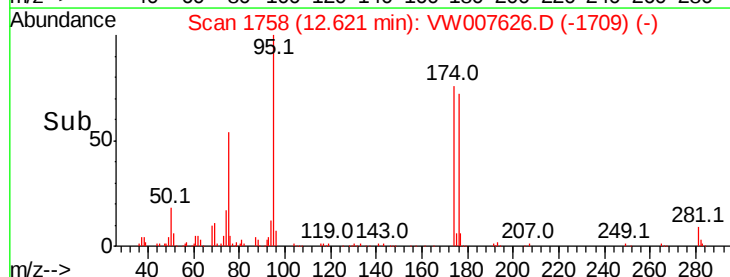
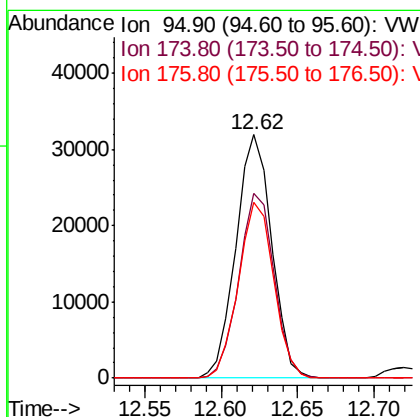
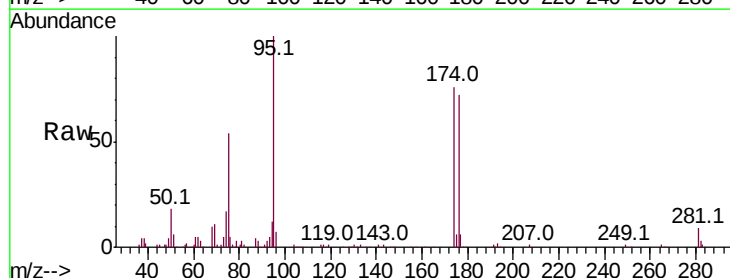
Manual Integrations
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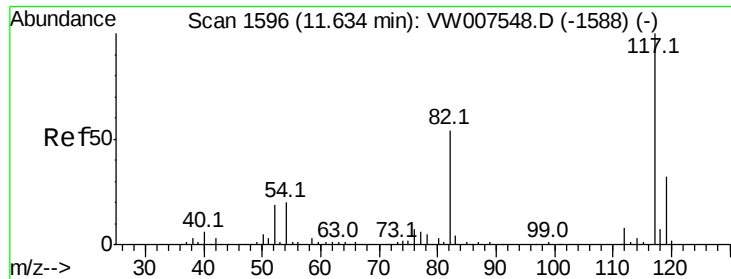
sam
 12/27/2018 8:23:25 AM



#62
 4-Bromofluorobenzene
 Concen: 50.984 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW007626.D
 Acq: 17 Dec 2018 12:57

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.0	0.0	147.2
176	71.7	0.0	138.8





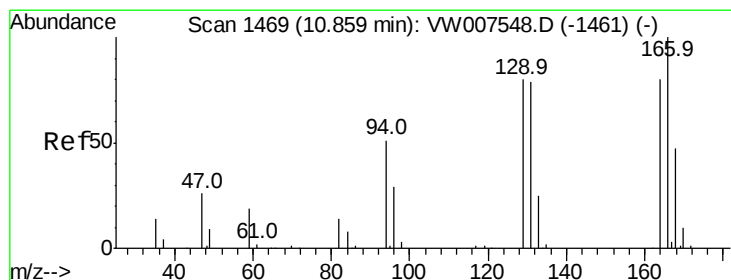
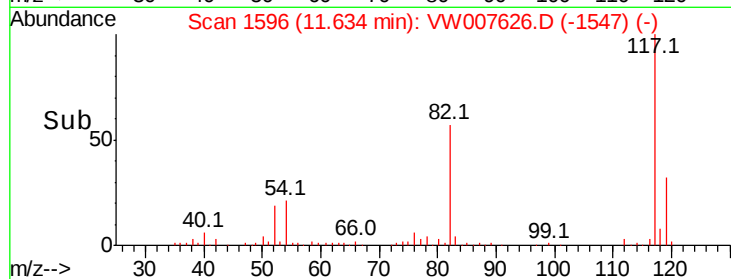
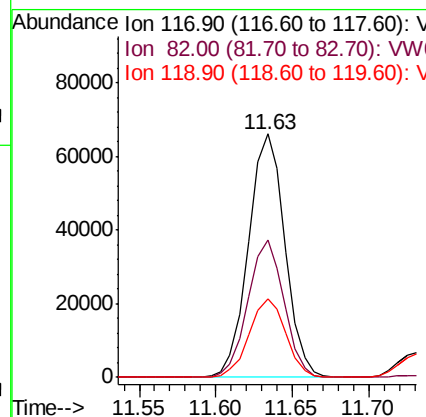
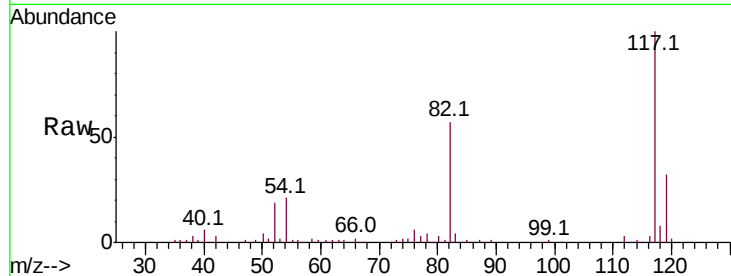
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007626.D
Acq: 17 Dec 2018 12:57

Instrument :
MSVOA_W
ClientSampleId :
VW1219SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.5	42.3	63.5
119	32.3	23.0	34.6

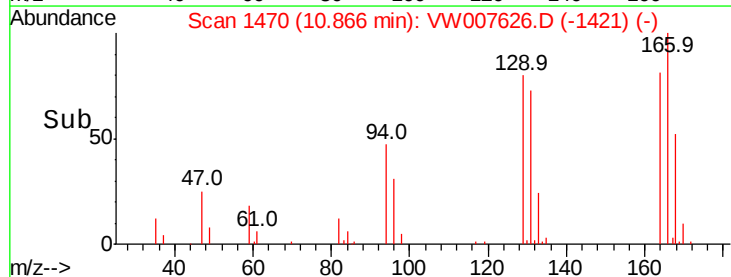
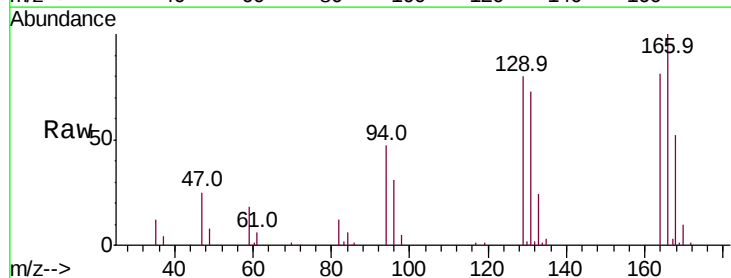
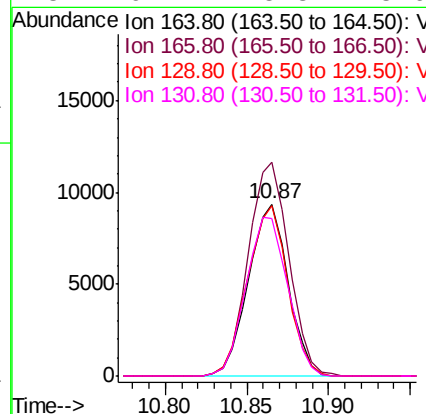
Manual Integrations
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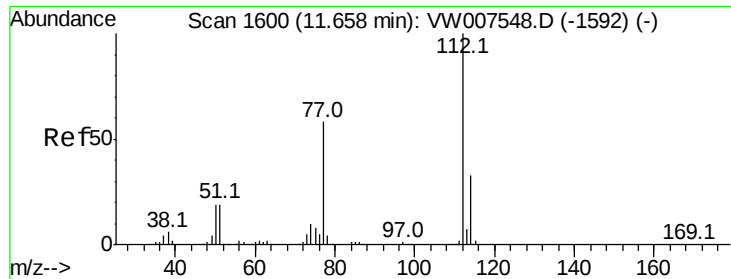
sam
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#64
Tetrachloroethene
Concen: 20.152 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW007626.D
Acq: 17 Dec 2018 12:57

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.1	107.9	161.9
129	98.7	73.4	110.2
131	91.1	75.8	113.6





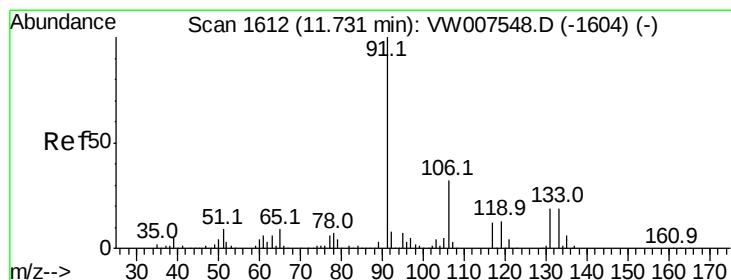
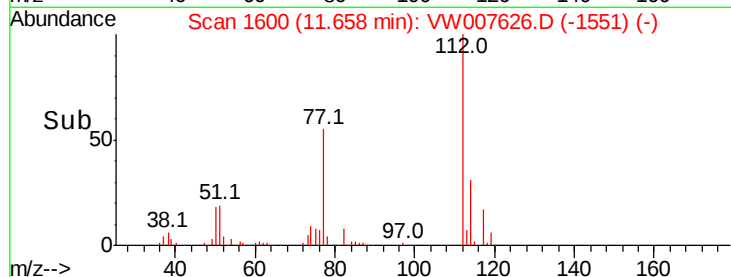
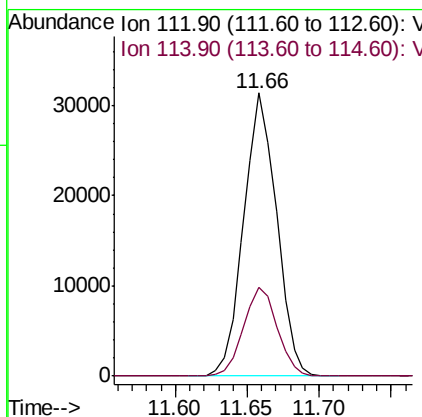
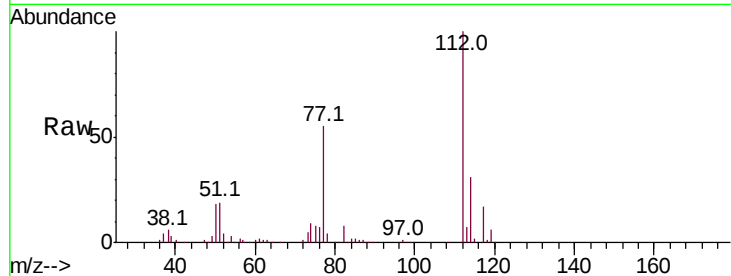
#65
Chlorobenzene
Concen: 21.706 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW007626.D
Acq: 17 Dec 2018 12:57

Instrument :
MSVOA_W
ClientSampleId :
VW1219SBS01

Tot Ion:112 Resp: 49562
Ion Ratio Lower Upper
112 100
114 31.3 27.8 41.8

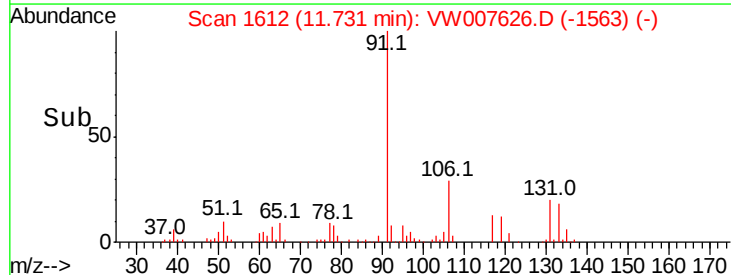
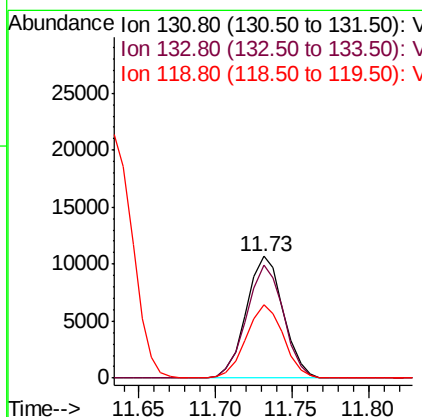
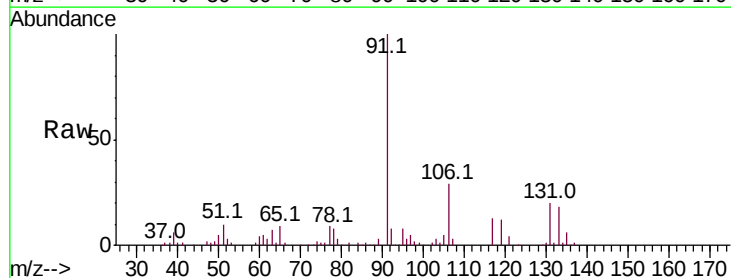
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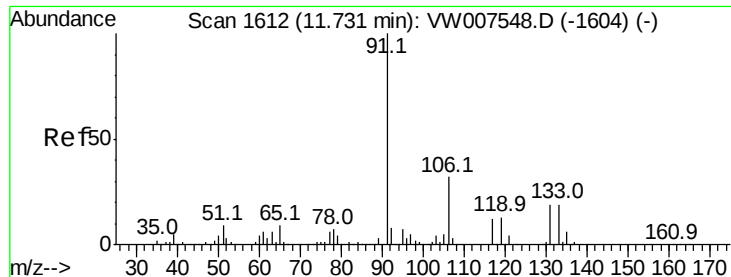
sam
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#66
1,1,1,2-Tetrachloroethane
Concen: 22.355 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007626.D
Acq: 17 Dec 2018 12:57

Tgt Ion:131 Resp: 17978
Ion Ratio Lower Upper
131 100
133 92.6 47.1 141.4
119 60.6 31.3 93.9





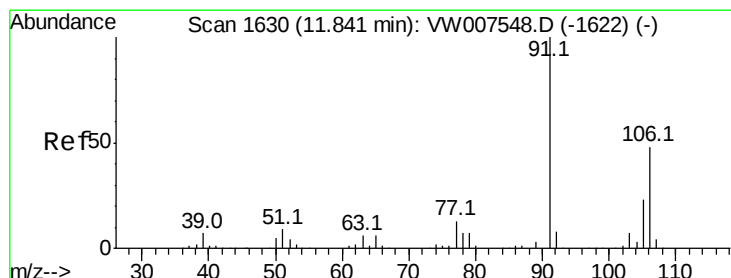
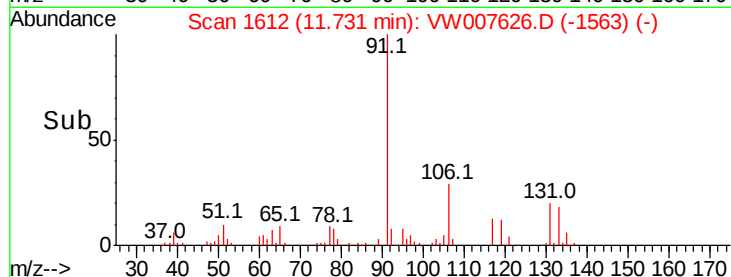
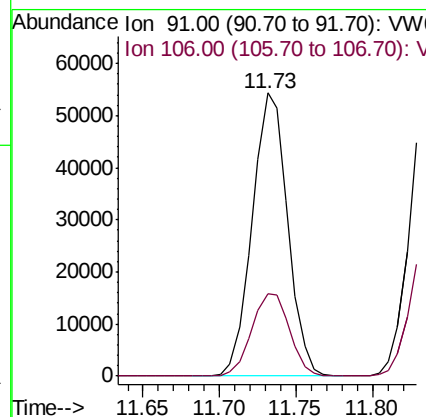
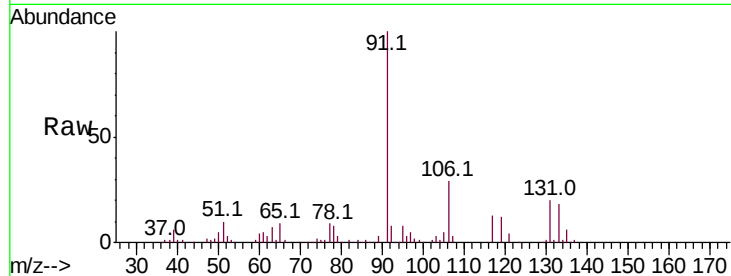
#67
Ethyl Benzene
Concen: 22.290 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007626.D
Acq: 17 Dec 2018 12:57

Instrument :
MSVOA_W
ClientSampleId :
VW1219SBS01

Tot Ion: 91 Resp: 87506
Ion Ratio Lower Upper
91 100
106 29.2 21.8 32.8

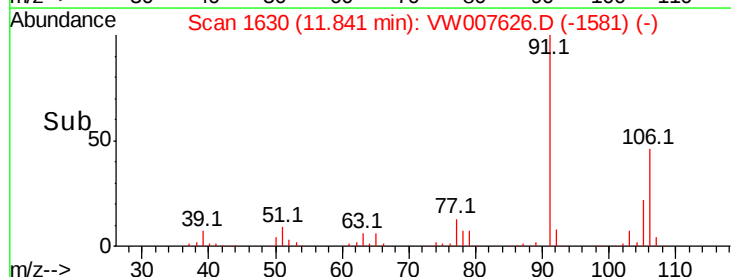
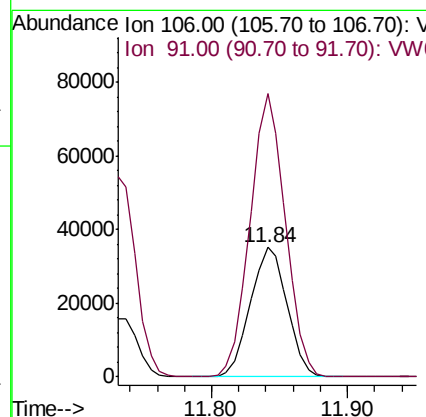
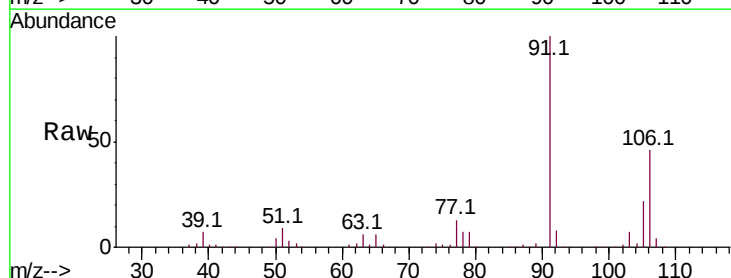
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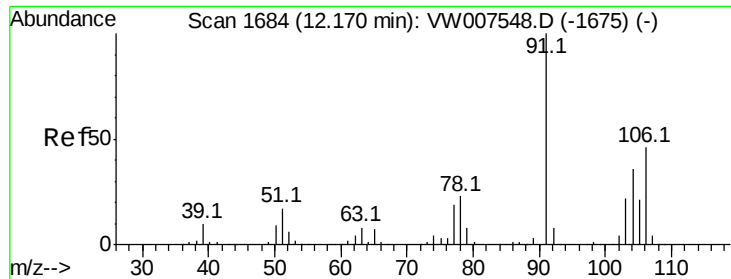
sam
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#68
m/p-Xylenes
Concen: 43.615 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW007626.D
Acq: 17 Dec 2018 12:57

Tgt Ion:106 Resp: 66563
Ion Ratio Lower Upper
106 100
91 209.7 165.3 247.9





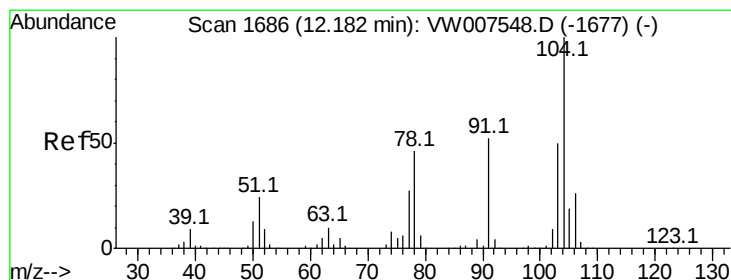
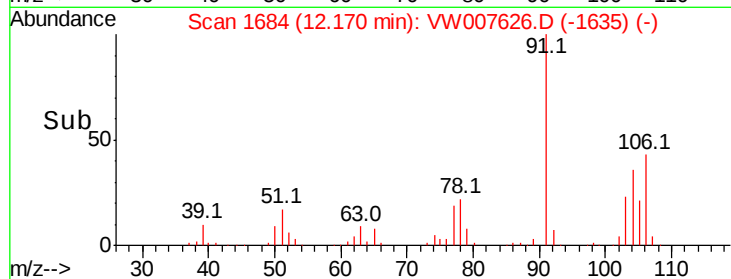
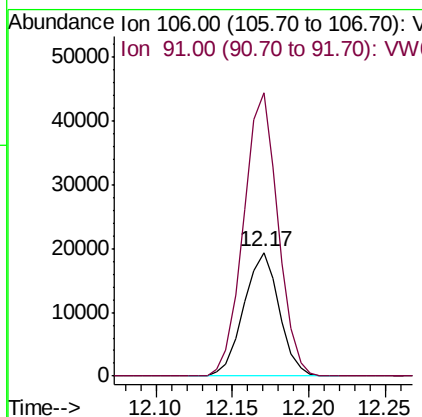
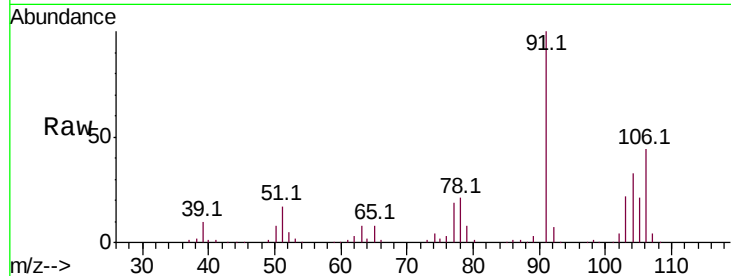
#69
o-Xylene
Concen: 21.809 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW007626.D
Acq: 17 Dec 2018 12:57

Instrument :
MSVOA_W
ClientSampleId :
VW1219SBS01

Tot Ion:106 Resp: 31085
Ion Ratio Lower Upper
106 100
91 223.2 106.6 319.8

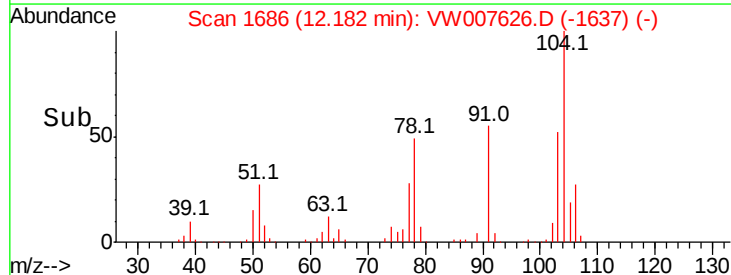
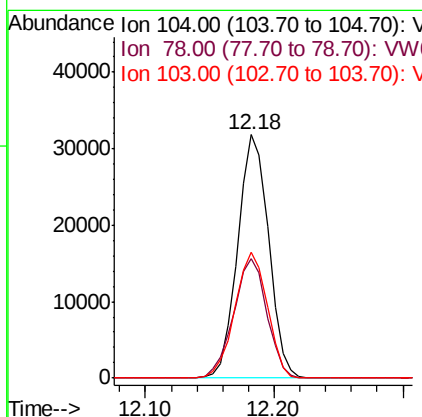
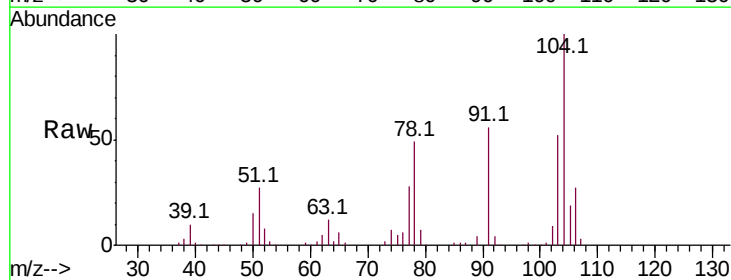
Manual Integrations
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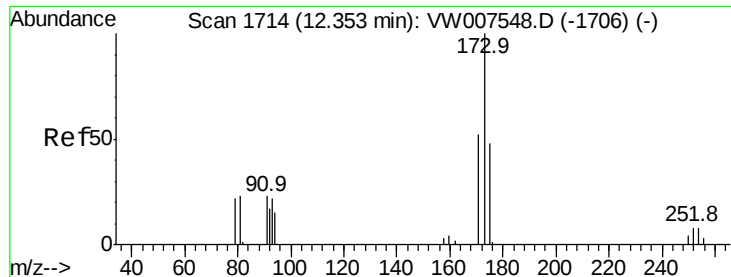
sam
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#70
Styrene
Concen: 22.948 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW007626.D
Acq: 17 Dec 2018 12:57

Tgt Ion:104 Resp: 52830
Ion Ratio Lower Upper
104 100
78 53.1 41.8 62.8
103 54.8 46.6 69.8





#71

Bromoform

Concen: 21.554 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW007626.D

Acq: 17 Dec 2018 12:57

Instrument :

MSVOA_W

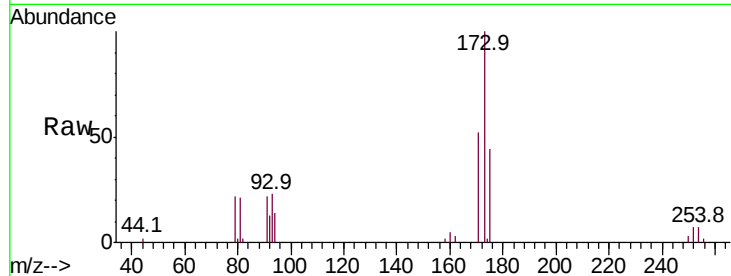
ClientSampleId :

VW1219SBS01

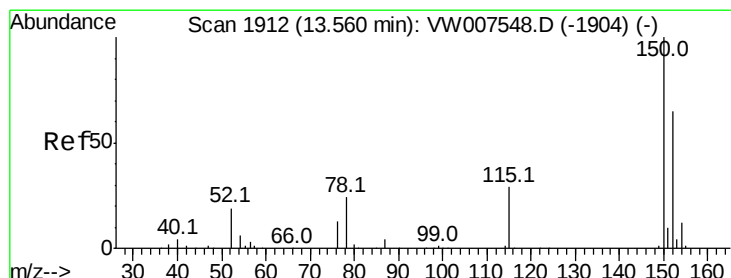
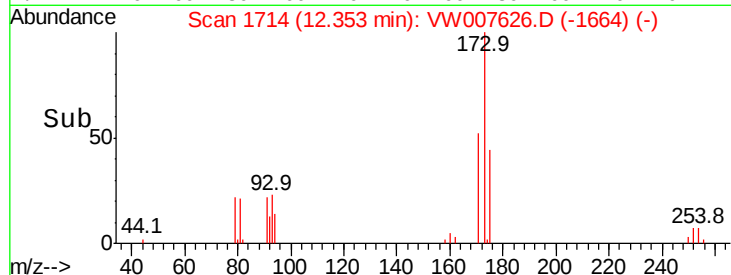
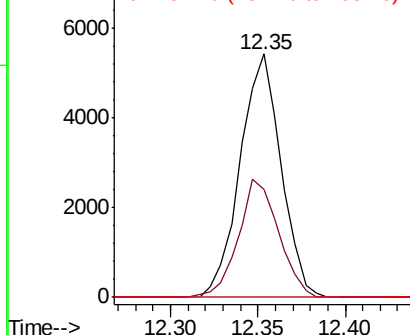
Tot Ion:	173	Resp:	8872
Ion Ratio	Lower	Upper	
173	100		
175	47.8	23.6	70.8
254	0.0	0.0	0.0

Manual Integrations
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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

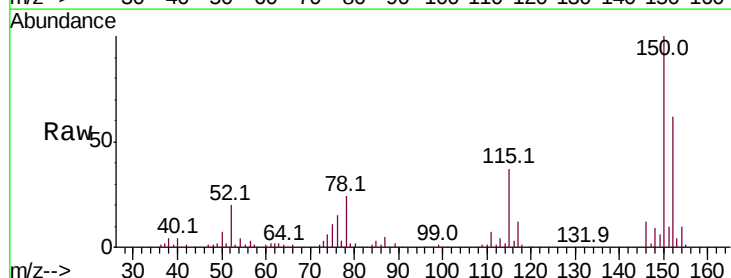
RT: 13.57 min Scan# 1913

Delta R.T. 0.01 min

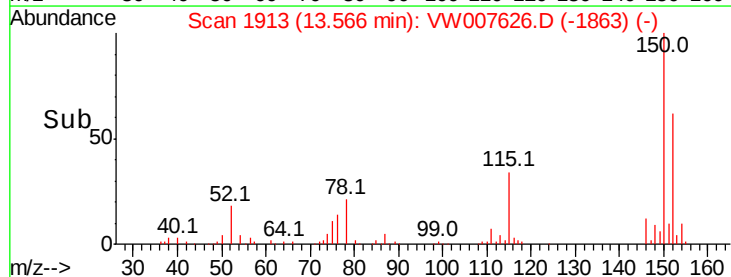
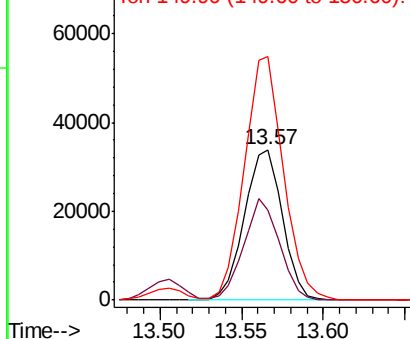
Lab File: VW007626.D

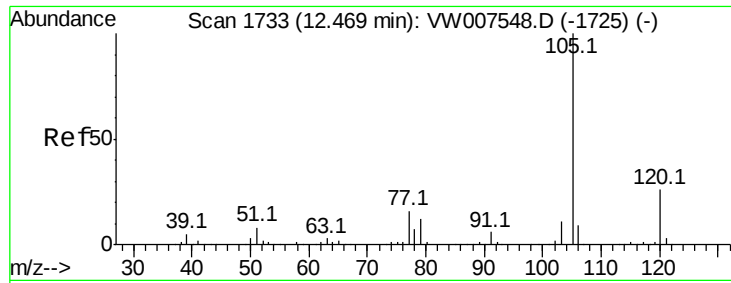
Acq: 17 Dec 2018 12:57

Tgt Ion:	152	Resp:	55160
Ion Ratio	Lower	Upper	
152	100		
115	63.5	31.4	94.2
150	165.7	0.0	358.4



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





#73

Isopropylbenzene

Concen: 21.733 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW007626.D

Acq: 17 Dec 2018 12:57

Instrument :

MSVOA_W

ClientSampleId :

VW1219SBS01

Tot Ion:105 Resp: 91856

Ion Ratio Lower Upper

105 100

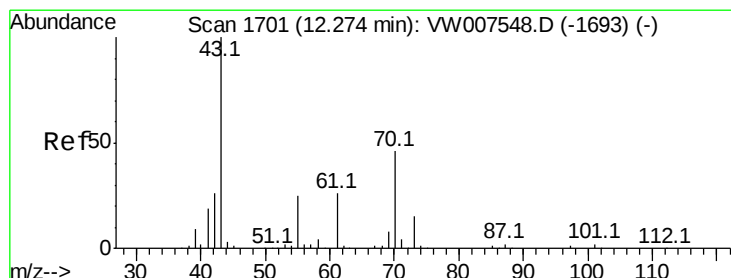
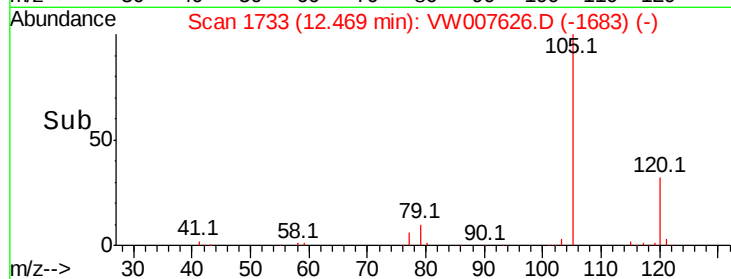
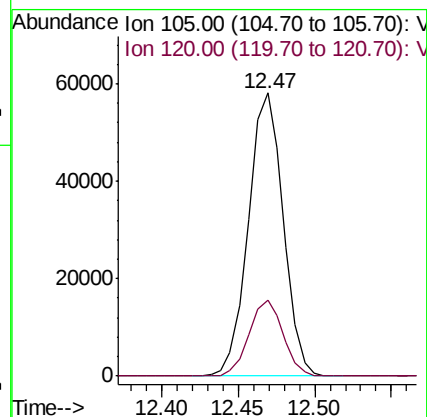
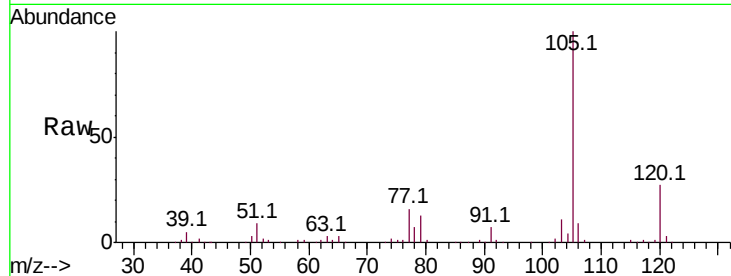
120 26.3 12.8 38.4

Manual Integrations

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#74

N-ethyl acetate

Concen: 19.591 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW007626.D

Acq: 17 Dec 2018 12:57

Tgt Ion: 43 Resp: 15049

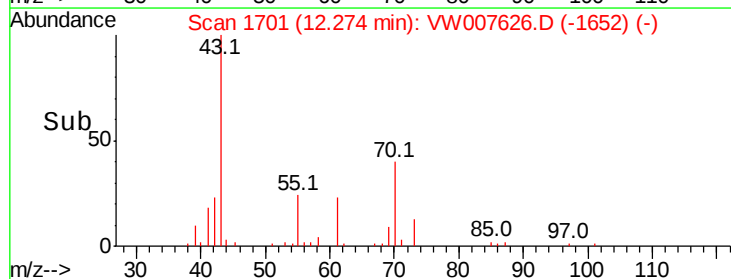
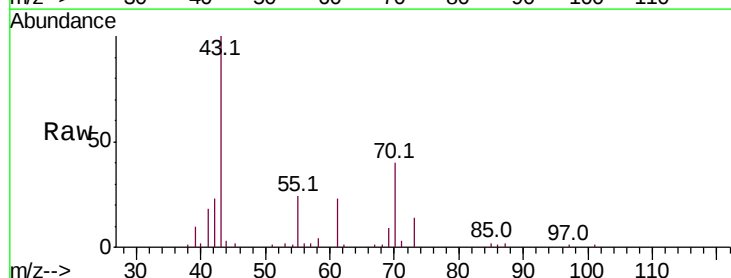
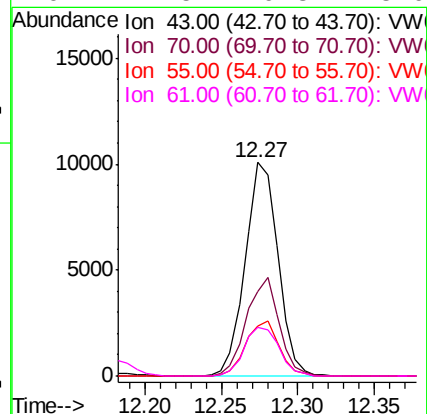
Ion Ratio Lower Upper

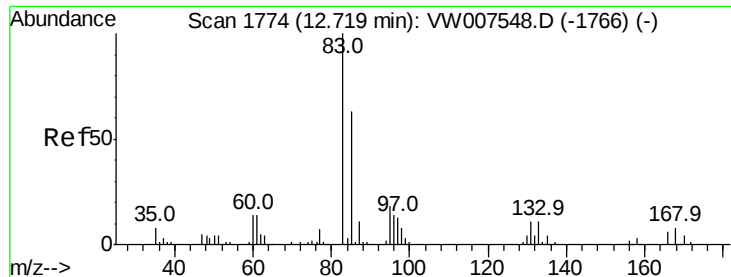
43 100

70 45.7 36.5 54.7

55 26.1 20.1 30.1

61 24.5 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 20.728 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW007626.D

Acq: 17 Dec 2018 12:57

Instrument :

MSVOA_W

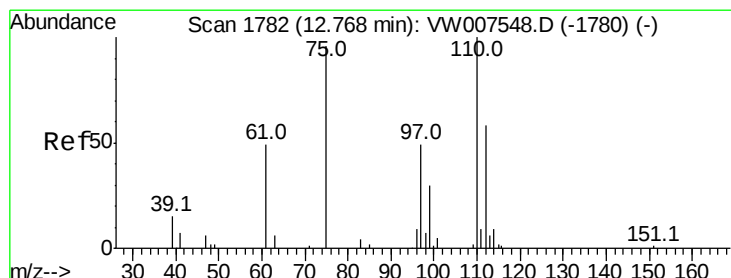
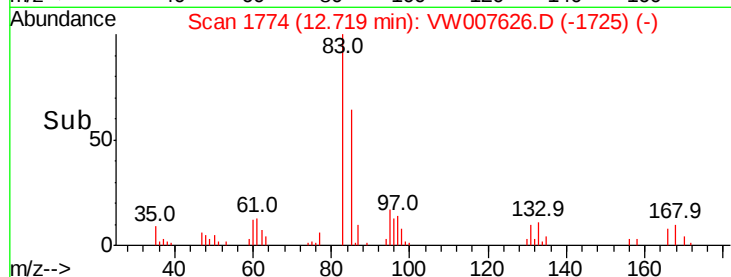
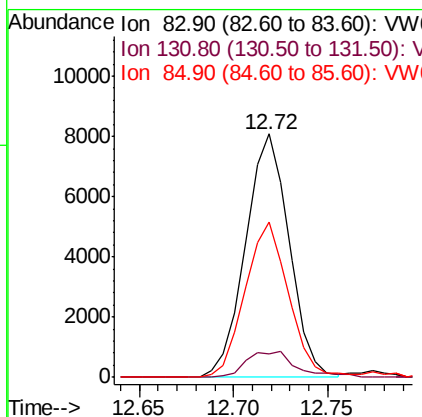
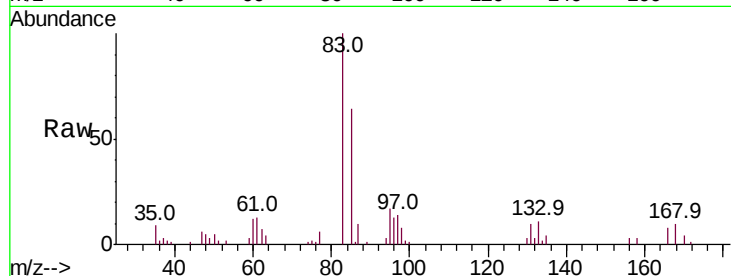
ClientSampleId :

VW1219SBS01

Tot Ion:	83	Resp:	12976
Ion Ratio	Lower	Upper	
83	100		
131	12.1	5.9	17.8
85	63.9	30.0	90.0

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#76

1,2,3-Trichloropropane

Concen: 22.504 ug/l m

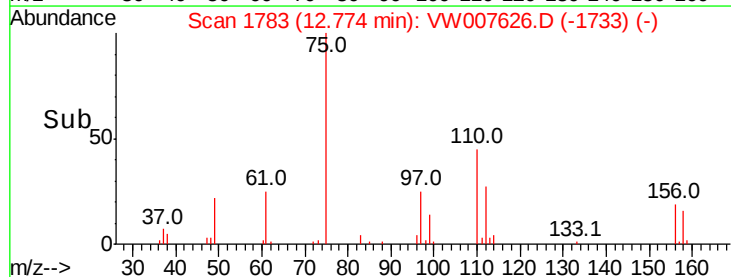
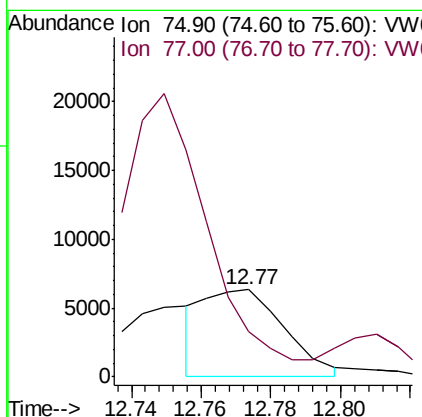
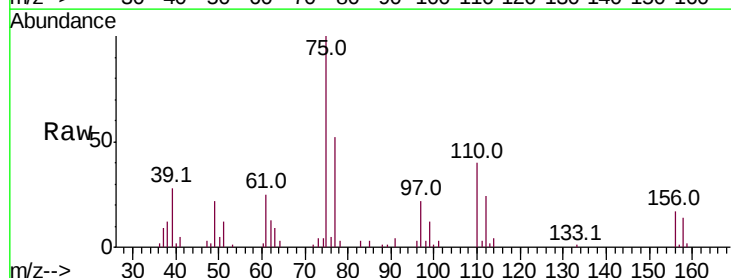
RT: 12.77 min Scan# 1783

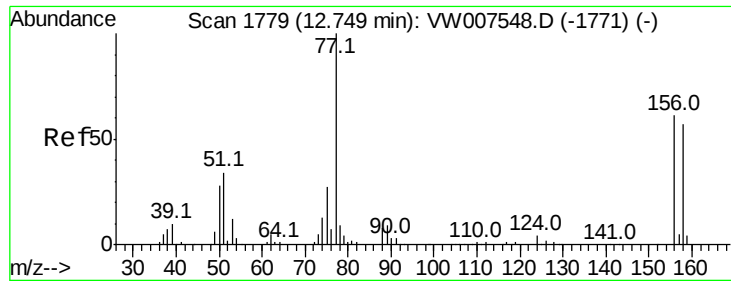
Delta R.T. 0.01 min

Lab File: VW007626.D

Acq: 17 Dec 2018 12:57

Tgt Ion:	75	Resp:	10235
Ion Ratio	Lower	Upper	
75	100		
77	0.0	166.9	500.8#





#77

Bromobenzene

Concen: 21.194 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW007626.D

Acq: 17 Dec 2018 12:57

Instrument :

MSVOA_W

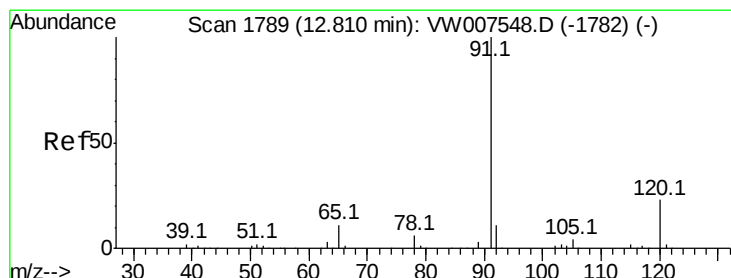
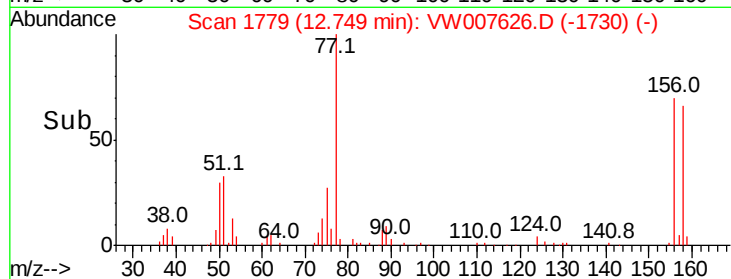
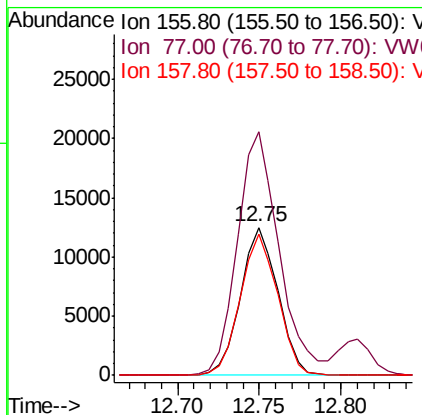
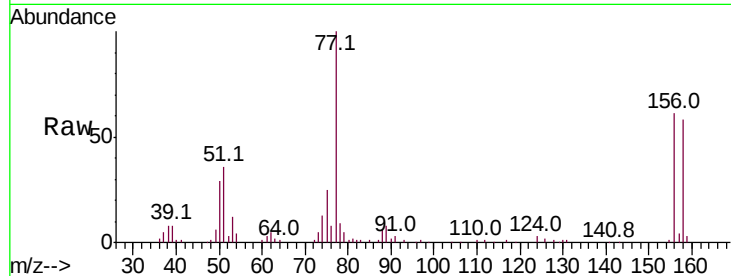
ClientSampleId :

VW1219SBS01

Tot Ion:	156	Resp:	19856
Ion Ratio	Lower	Upper	
156	100		
77	185.8	88.1	264.4
158	95.9	45.6	136.7

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#78

n-propylbenzene

Concen: 22.568 ug/l

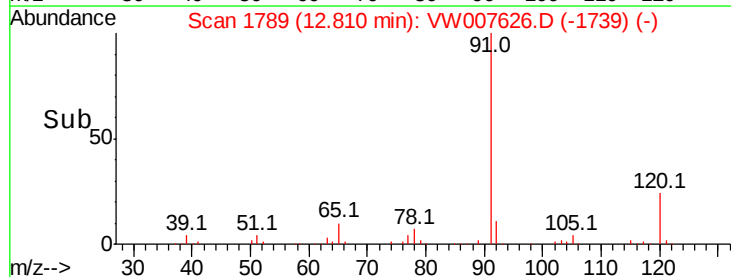
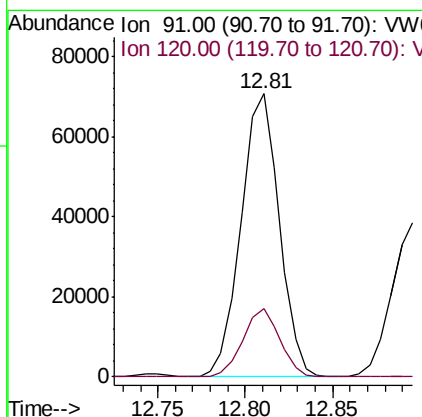
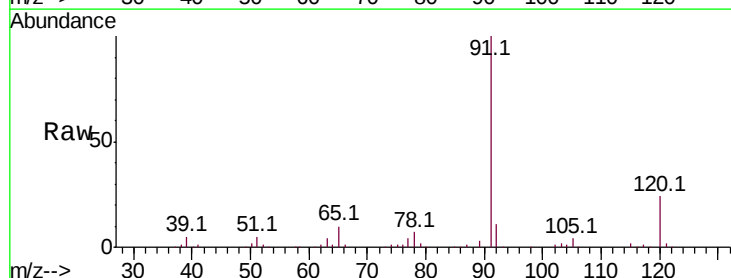
RT: 12.81 min Scan# 1789

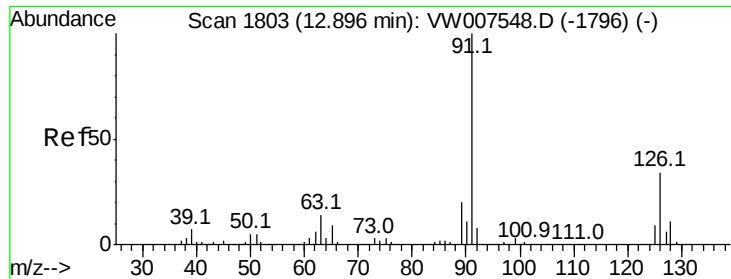
Delta R.T. 0.01 min

Lab File: VW007626.D

Acq: 17 Dec 2018 12:57

Tgt Ion:	91	Resp:	107345
Ion Ratio	Lower	Upper	
91	100		
120	23.6	11.9	35.5





#79

2-Chlorotoluene

Concen: 21.380 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW007626.D

Acq: 17 Dec 2018 12:57

Instrument :

MSVOA_W

ClientSampleId :

VW1219SBS01

Tot Ion: 91 Resp: 61535

Ion Ratio Lower Upper

91 100

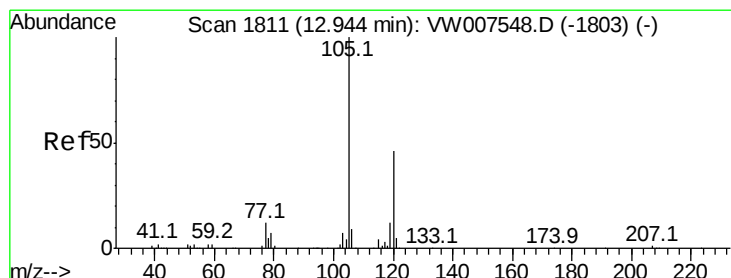
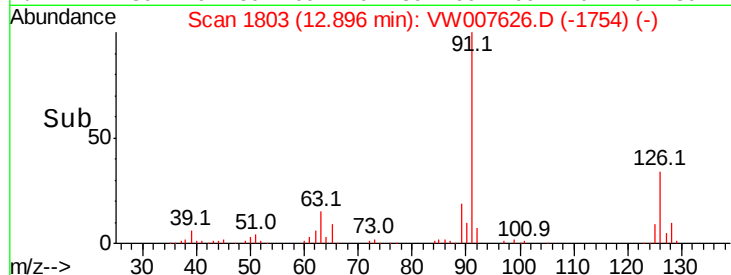
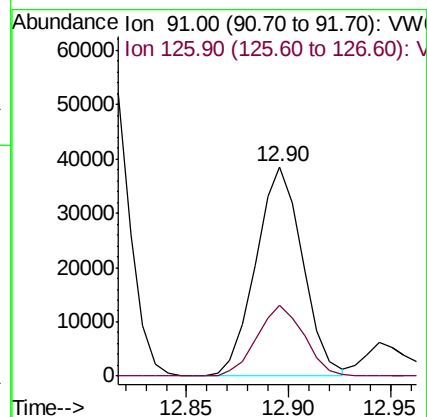
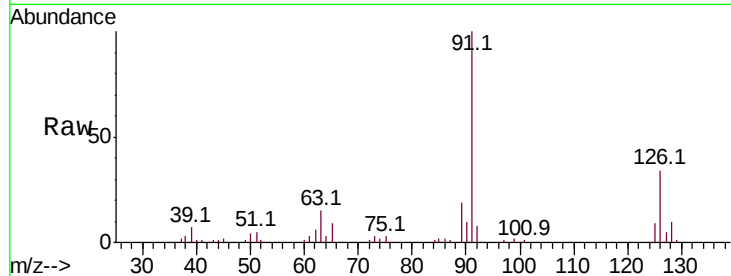
126 34.1 15.9 47.6

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#80

1,3,5-Trimethylbenzene

Concen: 22.534 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. 0.01 min

Lab File: VW007626.D

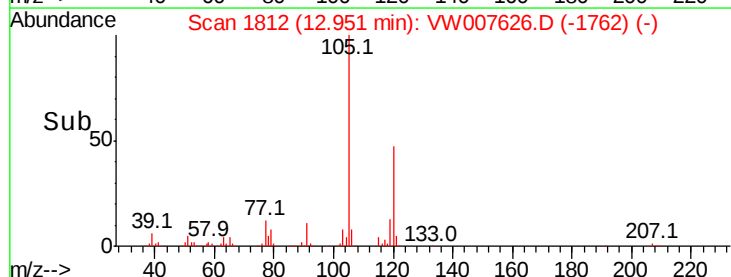
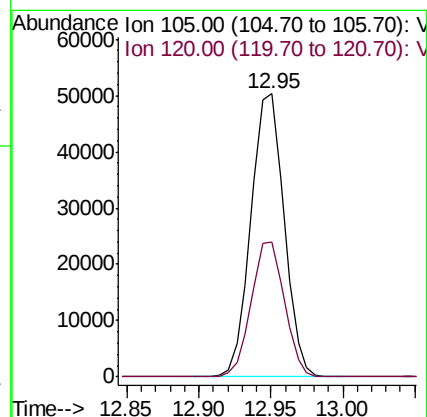
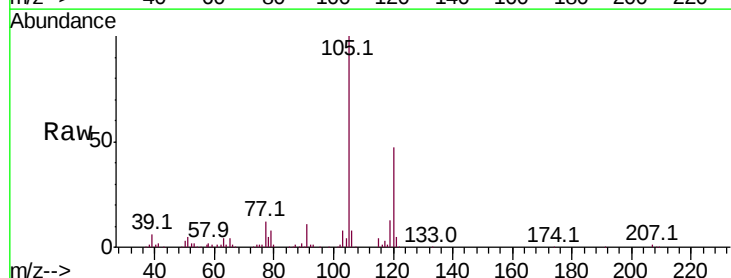
Acq: 17 Dec 2018 12:57

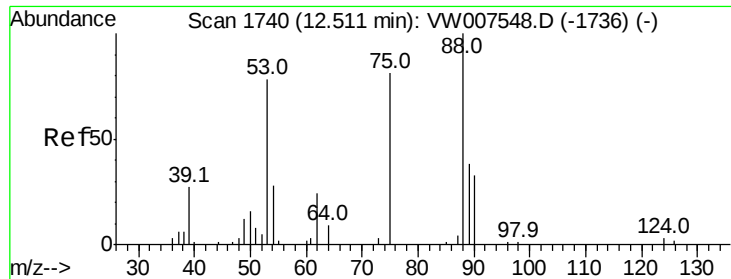
Tgt Ion:105 Resp: 80026

Ion Ratio Lower Upper

105 100

120 47.5 23.8 71.4





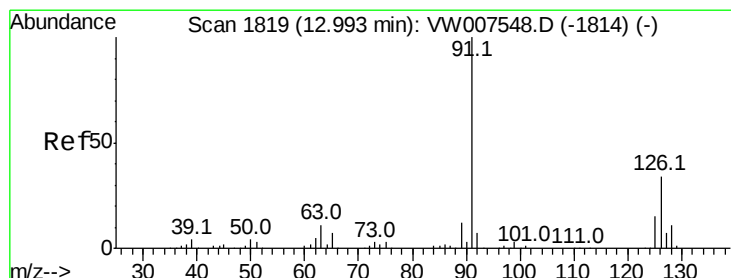
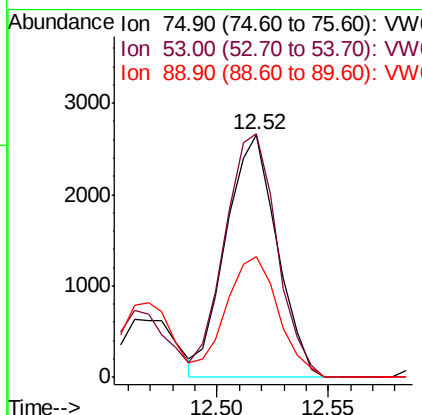
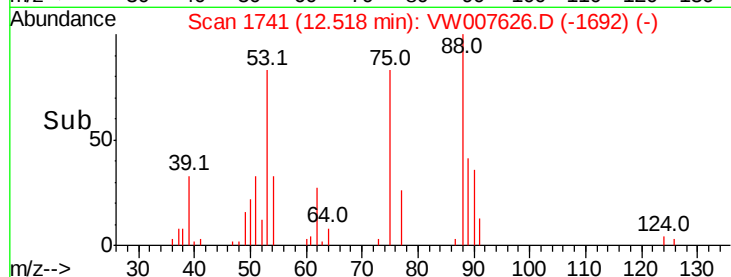
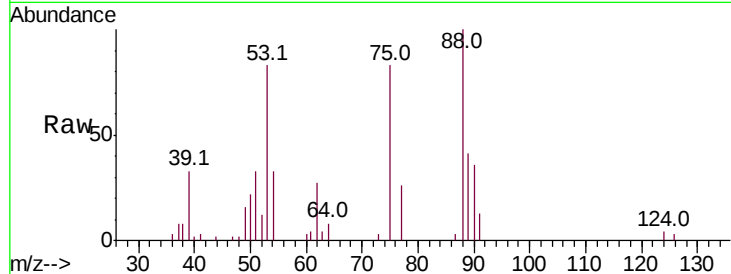
#81
trans-1,4-Dichloro-2-butene
Concen: 20.535 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VW007626.D
Acq: 17 Dec 2018 12:57

Instrument :
MSVOA_W
ClientSampleId :
VW1219SBSD01

Tot Ion:	75	Resp:	4228
Ion	Ratio	Lower	Upper
75	100		
53	103.1	84.9	127.3
89	51.8	40.3	60.5

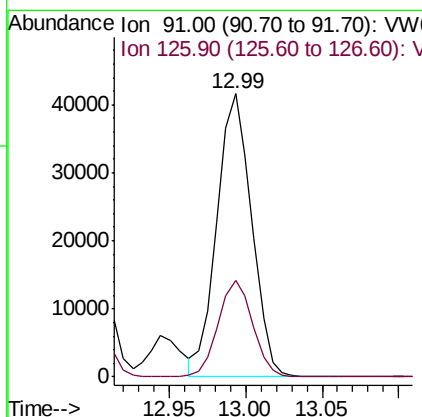
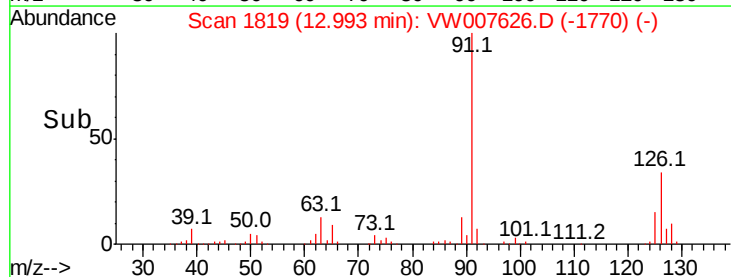
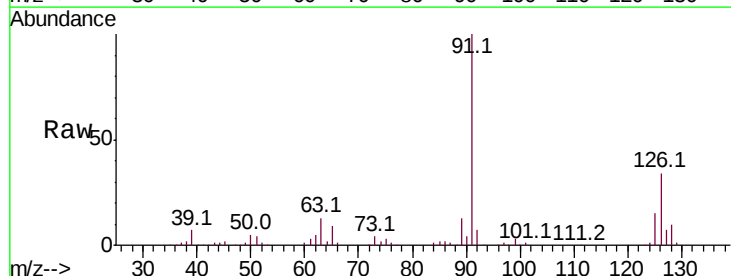
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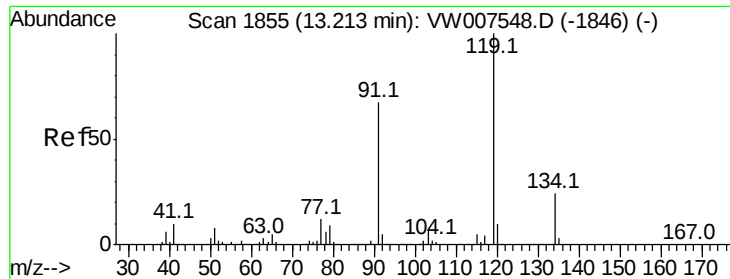
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#82
4-Chlorotoluene
Concen: 21.596 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW007626.D
Acq: 17 Dec 2018 12:57

Tgt Ion:	91	Resp:	65518
Ion	Ratio	Lower	Upper
91	100		
126	33.7	16.0	48.0





#83

tert-Butylbenzene

Concen: 22.040 ug/l

RT: 13.21 min Scan# 1855

Delta R.T. -0.00 min

Lab File: VW007626.D

Acq: 17 Dec 2018 12:57

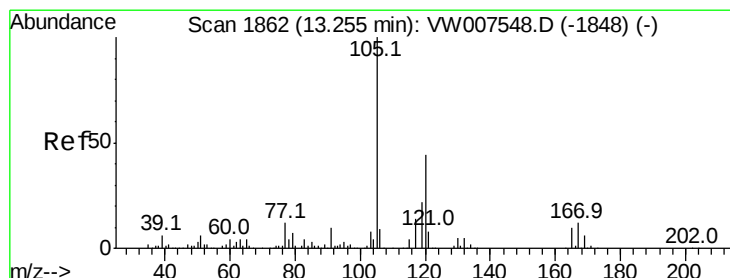
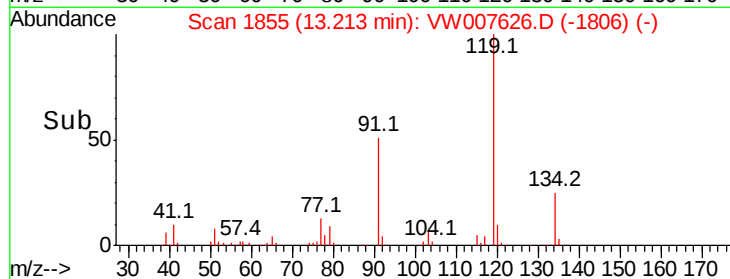
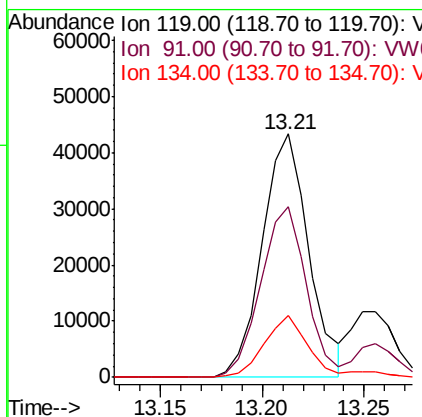
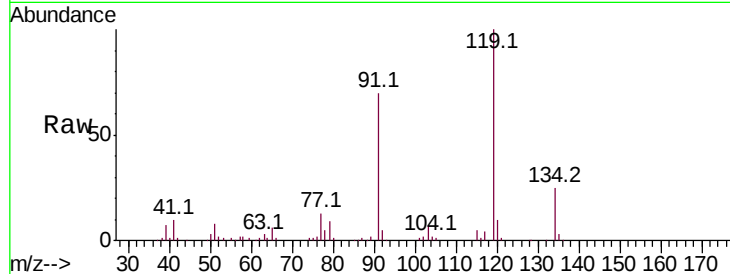
Instrument :
MSVOA_W

ClientSampleId :
VW1219SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	68969		
91	68.3		33.1	99.2
134	23.7		12.5	37.5

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#84

1,2,4-Trimethylbenzene

Concen: 21.813 ug/l

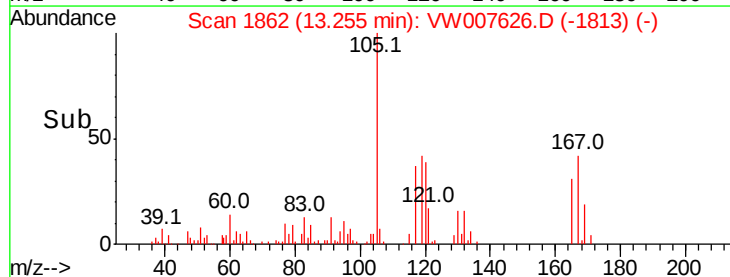
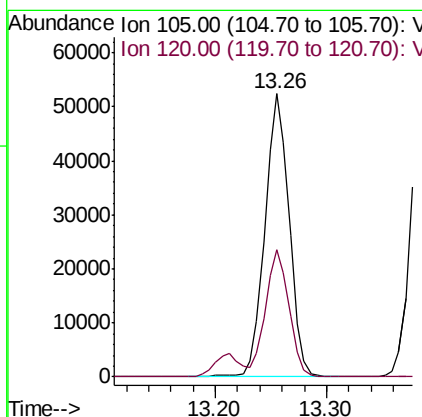
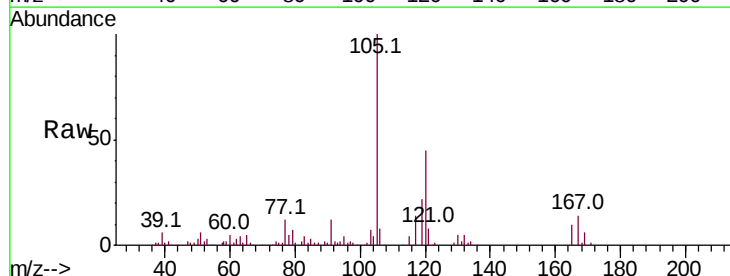
RT: 13.26 min Scan# 1862

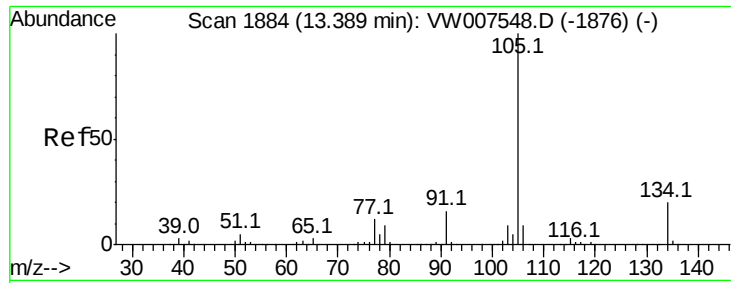
Delta R.T. -0.00 min

Lab File: VW007626.D

Acq: 17 Dec 2018 12:57

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	79718		
120	43.2		22.6	67.7





#85

sec-Butylbenzene

Concen: 22.928 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VW007626.D

Acq: 17 Dec 2018 12:57

Instrument :

MSVOA_W

ClientSampled :

VW1219SBS01

Tot Ion:105 Resp: 97944

Ion Ratio Lower Upper

105 100

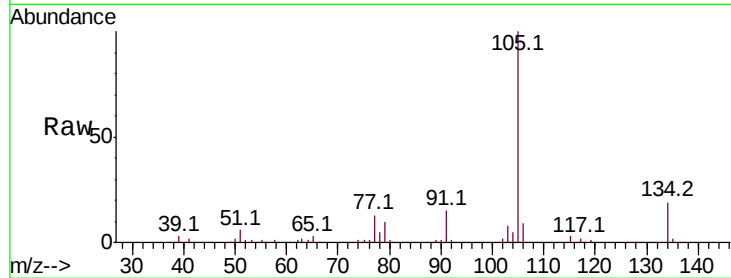
134 19.8 11.1 33.3

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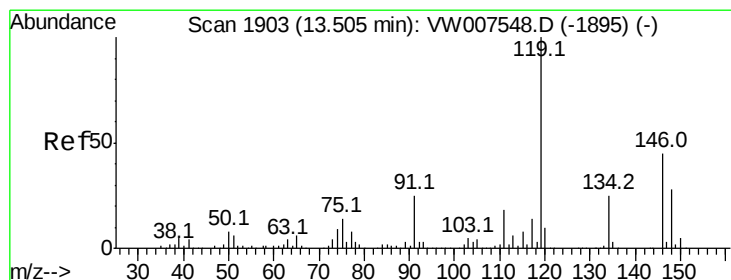
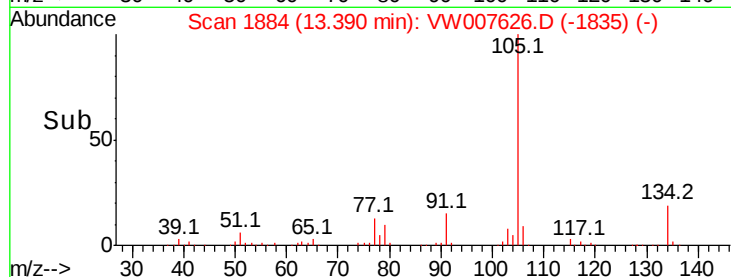
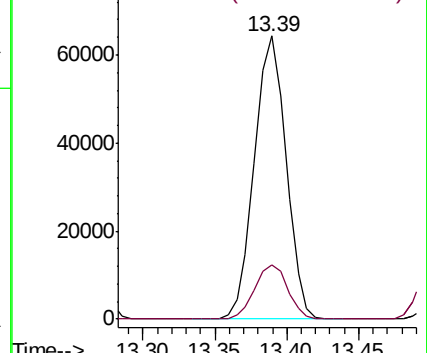
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 22.711 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. -0.00 min

Lab File: VW007626.D

Acq: 17 Dec 2018 12:57

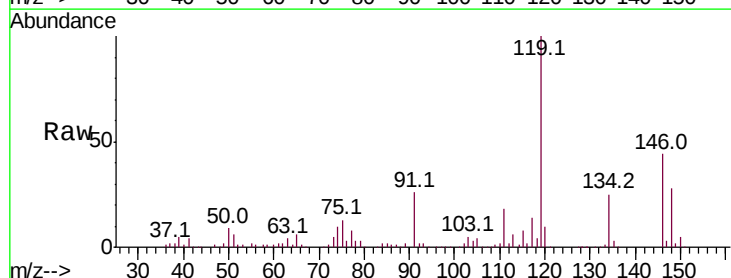
Tgt Ion:119 Resp: 87158

Ion Ratio Lower Upper

119 100

134 25.6 12.9 38.7

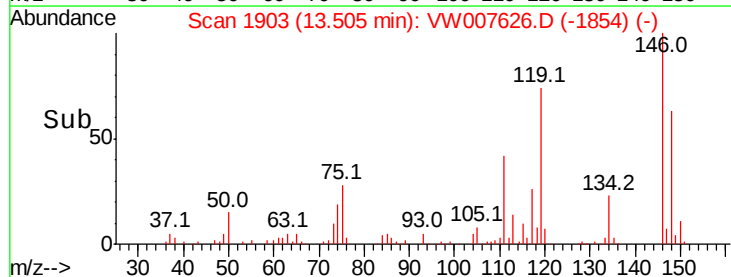
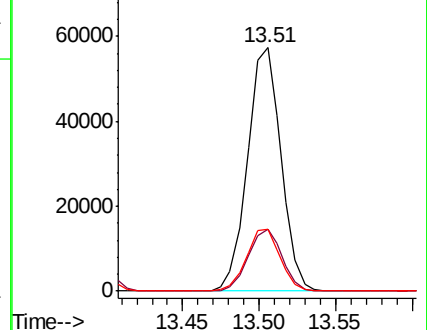
91 25.6 11.9 35.9

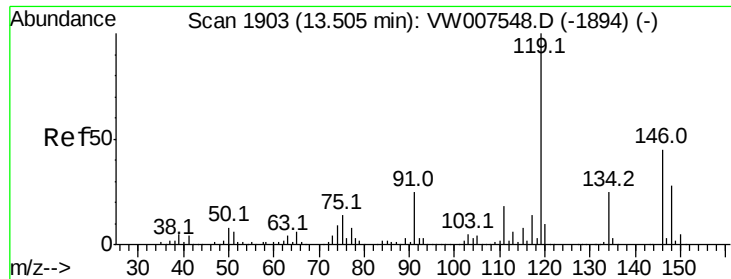


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





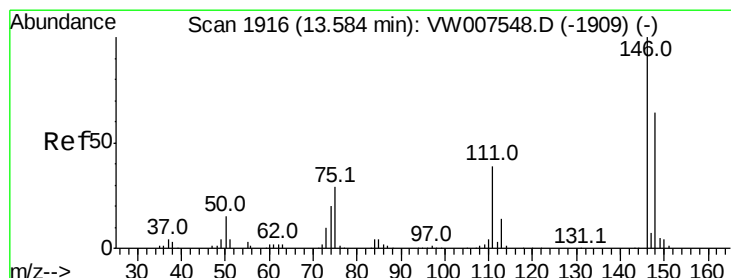
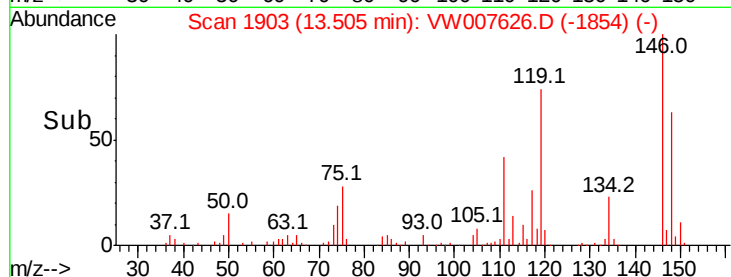
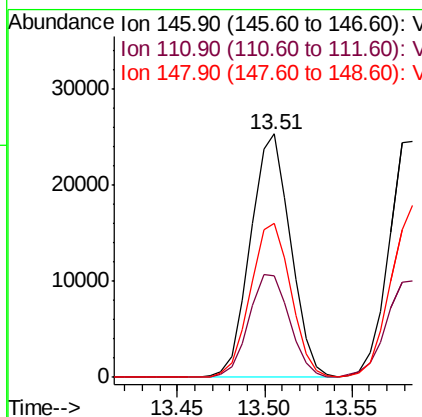
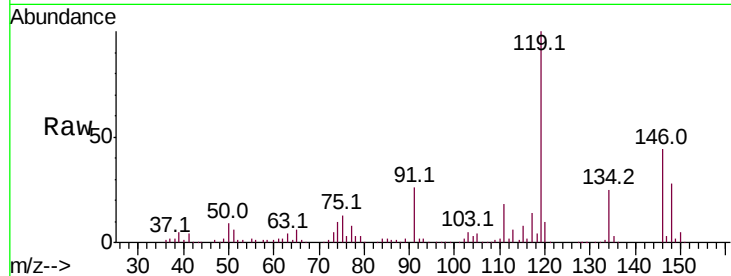
#87
 1,3-Dichlorobenzene
 Concen: 21.596 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW007626.D
 Acq: 17 Dec 2018 12:57

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1219SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.0	20.1	60.3
148	64.0	31.4	94.0

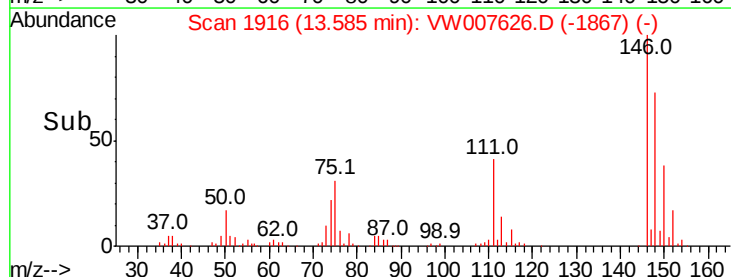
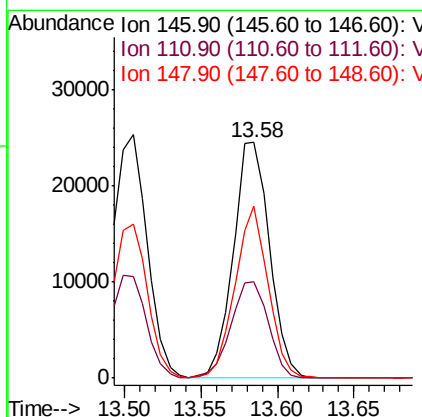
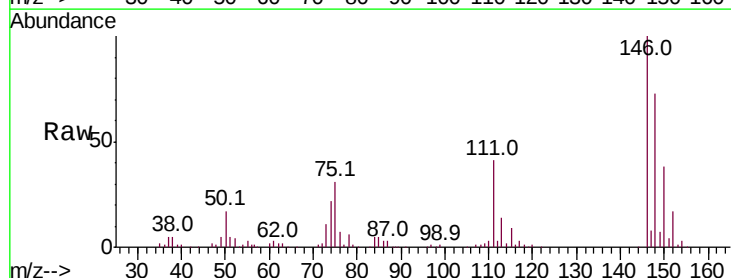
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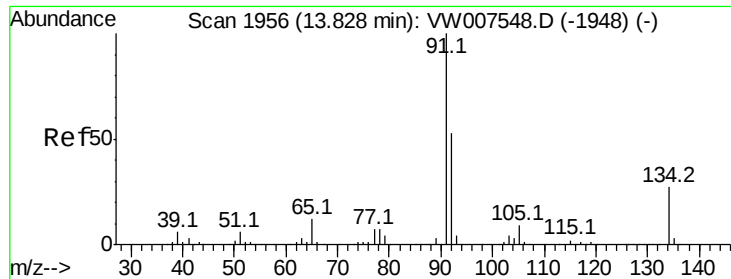
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#88
 1,4-Dichlorobenzene
 Concen: 21.452 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW007626.D
 Acq: 17 Dec 2018 12:57

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.3	20.3	61.0
148	66.7	33.5	100.5





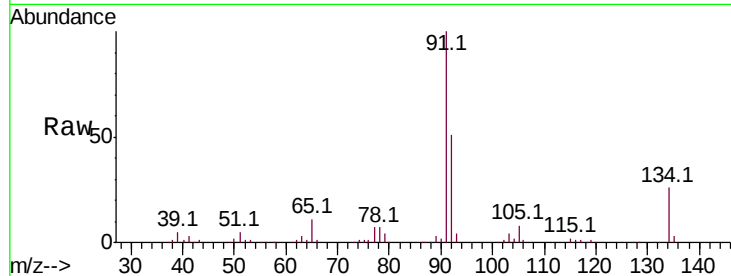
#89
n-Butylbenzene
Concen: 23.096 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW007626.D
Acq: 17 Dec 2018 12:57

Instrument :
MSVOA_W
ClientSampleId :
VW1219SBS01

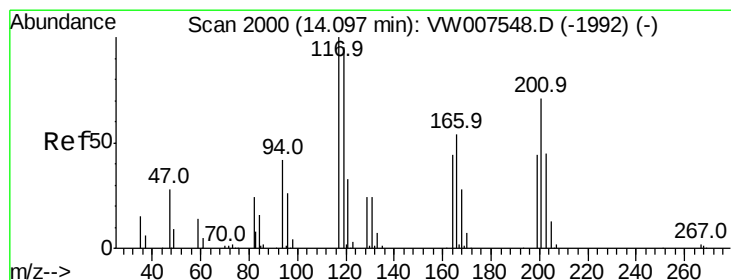
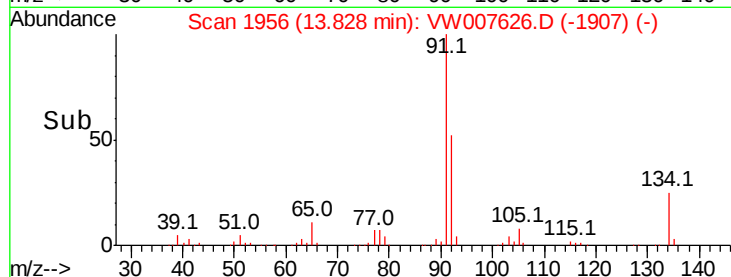
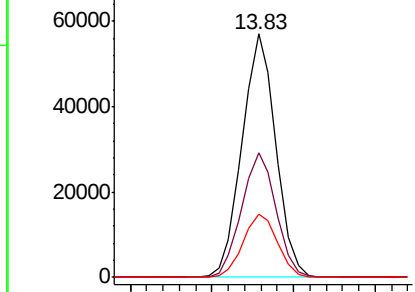
Tot Ion	Ratio	Lower	Upper
91	100		
92	52.4	25.7	77.1
134	26.4	13.4	40.2

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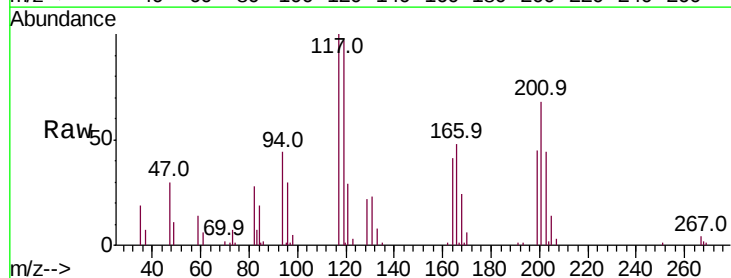


Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 92.00 (91.70 to 92.70): VW
Ion 134.00 (133.70 to 134.70): V

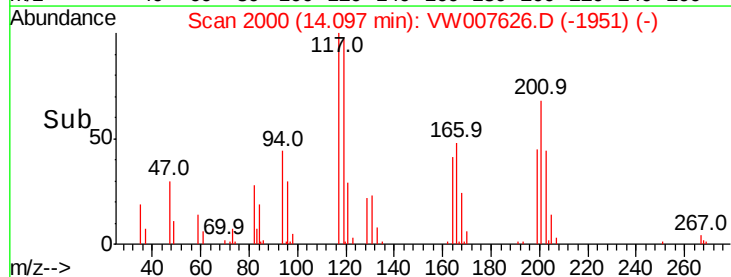
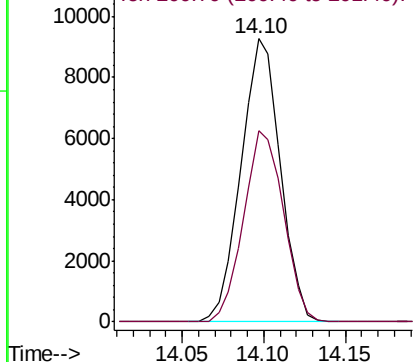


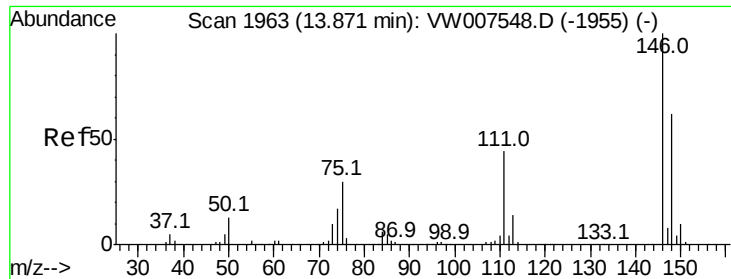
#90
Hexachloroethane
Concen: 22.755 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW007626.D
Acq: 17 Dec 2018 12:57

Tgt Ion	Ratio	Lower	Upper
117	100		
201	68.7	35.3	105.9



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V





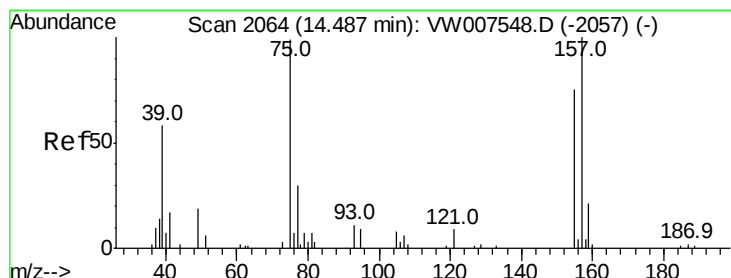
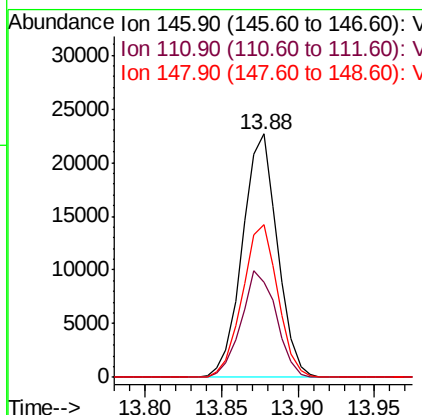
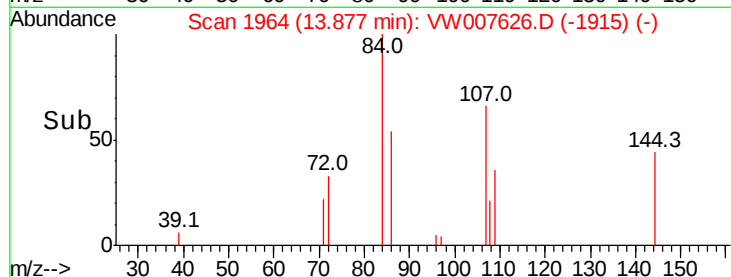
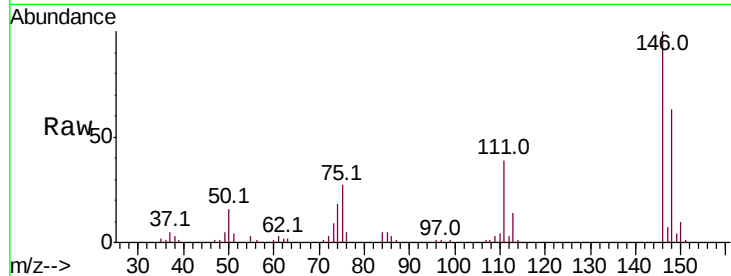
#91
 1,2-Dichlorobenzene
 Concen: 21.541 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. -0.00 min
 Lab File: VW007626.D
 Acq: 17 Dec 2018 12:57

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1219SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.6	22.4	67.2
148	63.1	32.4	97.2

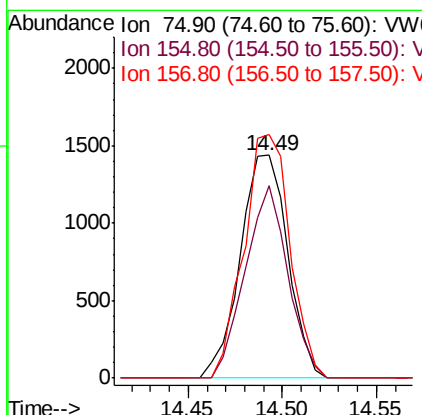
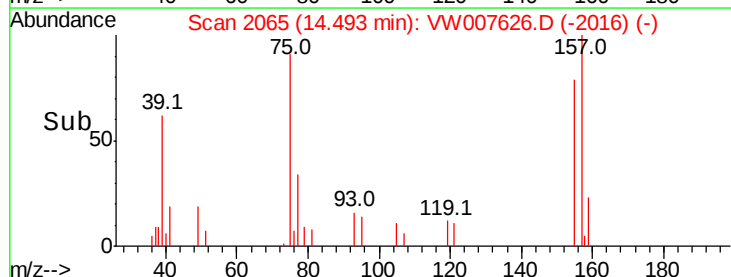
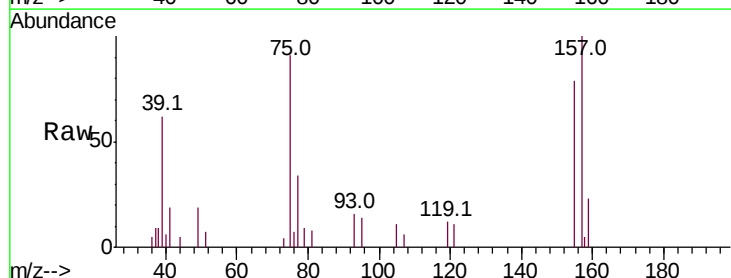
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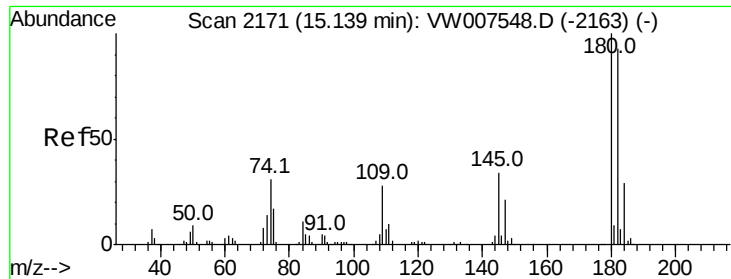
sam
 12/27/2018 8:23:25 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.980 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. -0.00 min
 Lab File: VW007626.D
 Acq: 17 Dec 2018 12:57

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.9	40.8	122.2
157	106.3	51.1	153.4





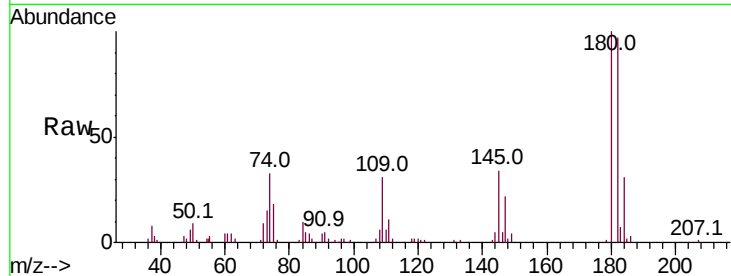
#93
 1,2,4-Trichlorobenzene
 Concen: 22.037 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW007626.D
 Acq: 17 Dec 2018 12:57

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1219SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.5	49.9	149.6
145	33.9	17.8	53.4

Manual Integrations
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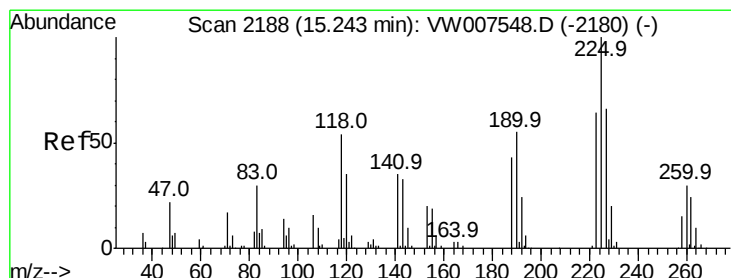
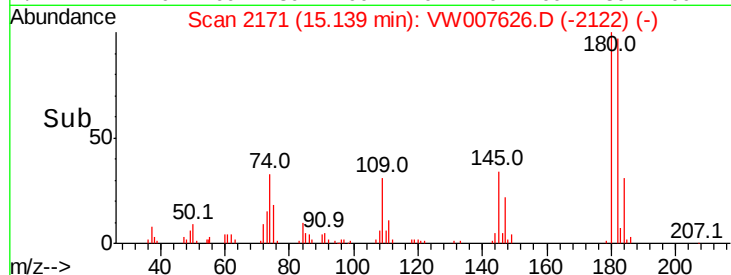
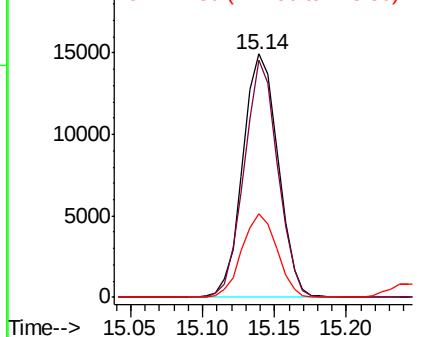


Abundance

Ion 179.80 (179.50 to 180.50): V

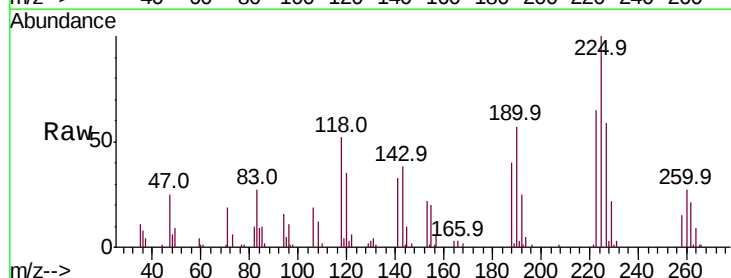
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 22.531 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW007626.D
 Acq: 17 Dec 2018 12:57

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.7	32.1	96.3
227	63.0	31.9	95.9

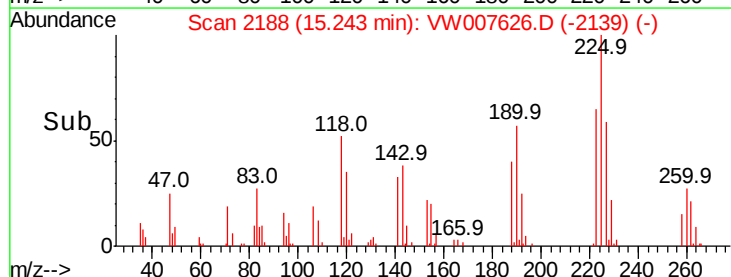
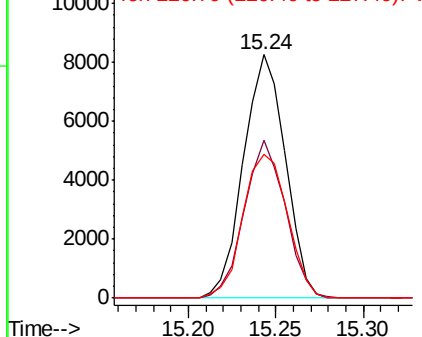


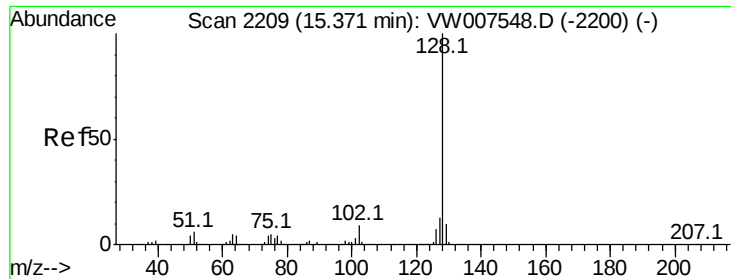
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





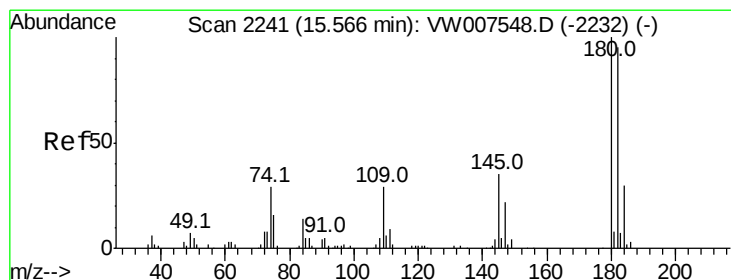
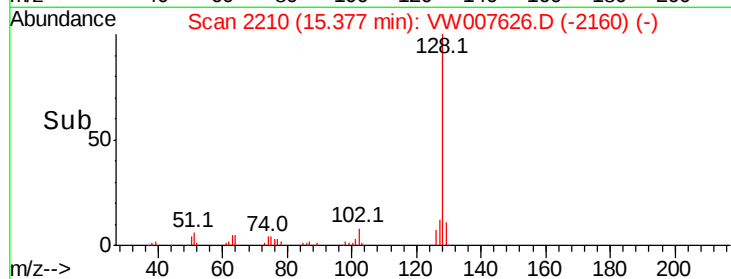
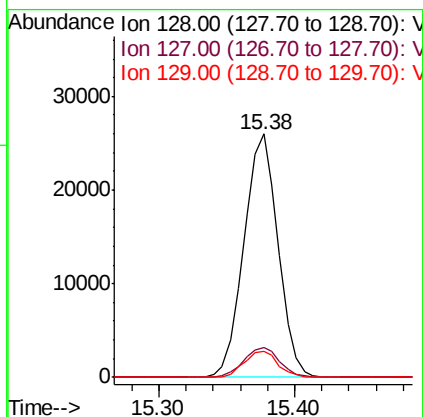
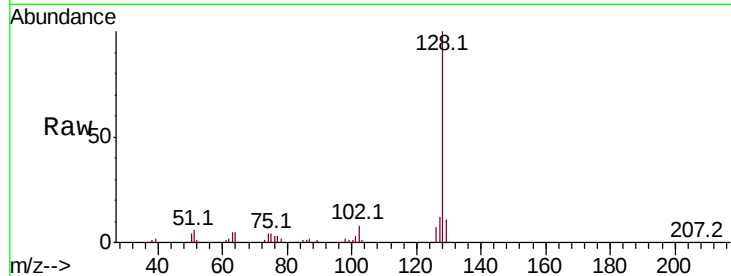
#95
Naphthalene
Concen: 20.674 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.01 min
Lab File: VW007626.D
Acq: 17 Dec 2018 12:57

Instrument :
MSVOA_W
ClientSampleId :
VW1219SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.4
129	10.7	8.3	12.5

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#96
1,2,3-Trichlorobenzene
Concen: 21.257 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.01 min
Lab File: VW007626.D
Acq: 17 Dec 2018 12:57

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.6	45.6	136.7
145	35.6	17.5	52.5

