

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW083119\
 Data File : VW012417.D
 Acq On : 31 Aug 2019 23:44
 Operator : SY/VA
 Sample : VW0831SBSD02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0831SBSD02

Manual Integrations
 APPROVED

MMDadoda
 9/3/2019 2:42:04 AM

Quant Time: Sep 01 05:01:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	187135	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	308018	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	273841	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	135205	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	128467	57.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.50%	
35) Dibromofluoromethane	7.88	113	96520	52.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.00%	
50) Toluene-d8	10.32	98	383555	51.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.90%	
62) 4-Bromofluorobenzene	12.62	95	138448	52.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	17851	15.492	ug/l	90
3) Chloromethane	2.21	50	32213	18.045	ug/l	97
4) Vinyl Chloride	2.35	62	36385	16.652	ug/l	96
5) Bromomethane	2.76	94	21305	19.253	ug/l	98
6) Chloroethane	2.92	64	22906	18.584	ug/l	98
7) Trichlorofluoromethane	3.25	101	19744	17.996	ug/l	91
8) Diethyl Ether	3.68	74	21304	20.457	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.07	101	34808	18.665	ug/l	99
10) Methyl Iodide	4.27	142	47718	18.911	ug/l	99
11) Tert butyl alcohol	5.16	59	17391	129.906	ug/l	100
12) 1,1-Dichloroethene	4.04	96	32683	17.412	ug/l	96
13) Acrolein	3.89	56	10222	81.115	ug/l	98
14) Allyl chloride	4.67	41	75544	18.825	ug/l	98
15) Acrylonitrile	5.36	53	59186	114.661	ug/l	98
16) Acetone	4.12	43	54245	95.393	ug/l	98
17) Carbon Disulfide	4.38	76	83173	14.662	ug/l	100
18) Methyl Acetate	4.67	43	38397	27.262	ug/l	96
19) Methyl tert-butyl Ether	5.43	73	69260	22.817	ug/l	97
20) Methylene Chloride	4.91	84	45356	21.099	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	37343	18.552	ug/l	96
22) Diisopropyl ether	6.31	45	159998	21.510	ug/l	99
23) Vinyl Acetate	6.25	43	463993	101.362	ug/l	100
24) 1,1-Dichloroethane	6.21	63	81197	20.049	ug/l	99
25) 2-Butanone	7.16	43	82799	107.152	ug/l	99
26) 2,2-Dichloropropane	7.16	77	44243	19.300	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	42786	19.895	ug/l	98
28) Bromochloromethane	7.51	49	39665	22.471	ug/l	99
29) Tetrahydrofuran	7.52	42	54204	116.919	ug/l	100
30) Chloroform	7.67	83	77473	20.909	ug/l	100
31) Cyclohexane	7.95	56	66404	16.572	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	60426	20.615	ug/l	98
36) 1,1-Dichloropropene	8.08	75	57179	17.964	ug/l	99
37) Ethyl Acetate	7.25	43	38134	21.863	ug/l	99
38) Carbon Tetrachloride	8.07	117	52447	19.037	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	57100	15.968	ug/l	98
40) Benzene	8.32	78	166957	19.209	ug/l	98
41) Methacrylonitrile	7.48	41	23048	22.483	ug/l	97
42) 1,2-Dichloroethane	8.40	62	58397	21.438	ug/l	100
43) Isopropyl Acetate	8.42	43	69611	21.545	ug/l	98
44) Trichloroethene	9.09	130	40445	19.142	ug/l	99
45) 1,2-Dichloropropane	9.37	63	47531	20.320	ug/l	99
46) Dibromomethane	9.46	93	22120	21.254	ug/l	96
47) Bromodichloromethane	9.64	83	56740	20.485	ug/l	98
48) Methyl methacrylate	9.43	41	33066	21.503	ug/l	96
49) 1,4-Dioxane	9.44	88	7458	468.096	ug/l	94
51) 4-Methyl-2-Pentanone	10.21	43	186162	113.284	ug/l	98
52) Toluene	10.39	92	99879	19.129	ug/l	97
53) t-1,3-Dichloropropene	10.60	75	55560	19.692	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	64731	19.001	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	31056	21.090	ug/l	99
56) Ethyl methacrylate	10.65	69	45170	21.077	ug/l	99
57) 1,3-Dichloropropane	10.93	76	58829	21.141	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	120977	109.989	ug/l	99
59) 2-Hexanone	10.97	43	125021	107.521	ug/l	99
60) Dibromochloromethane	11.13	129	34788	21.210	ug/l	99
61) 1,2-Dibromoethane	11.24	107	29104	21.215	ug/l	99
64) Tetrachloroethene	10.86	164	35004	19.716	ug/l	98
65) Chlorobenzene	11.66	112	105548	19.574	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	37730	20.057	ug/l	99
67) Ethyl Benzene	11.73	91	194746	18.749	ug/l	99
68) m/p-Xylenes	11.83	106	142039	37.963	ug/l	100
69) o-Xylene	12.16	106	65795	19.000	ug/l	98
70) Styrene	12.18	104	117890	19.668	ug/l	100
71) Bromoform	12.35	173	19687	21.006	ug/l #	98
73) Isopropylbenzene	12.46	105	186692	18.428	ug/l	100
74) N-amyl acetate	12.27	43	61449	20.076	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	38178	20.555	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	25944m	19.702	ug/l	
77) Bromobenzene	12.74	156	43021	19.629	ug/l	99
78) n-propylbenzene	12.80	91	226455	18.310	ug/l	100
79) 2-Chlorotoluene	12.89	91	133074	18.951	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	161183	19.040	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	10957	18.244	ug/l	94
82) 4-Chlorotoluene	12.99	91	140244	19.075	ug/l	100
83) tert-Butylbenzene	13.21	119	136424	19.024	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	163903	19.274	ug/l	98
85) sec-Butylbenzene	13.38	105	189756	18.470	ug/l	100
86) p-Isopropyltoluene	13.49	119	171941	18.740	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	83004	19.362	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	82628	19.411	ug/l	99
89) n-Butylbenzene	13.82	91	164513	18.031	ug/l	100
90) Hexachloroethane	14.09	117	30662	19.048	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	73731	19.605	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.48	75	6879	21.969	ug/l	95

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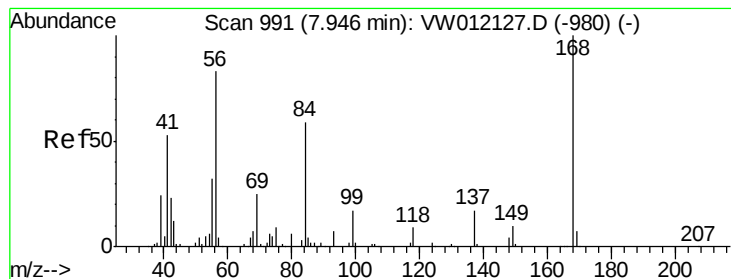
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	50247	19.334	ug/l	100
94) Hexachlorobutadiene	15.24	225	34209	19.934	ug/l	99
95) Naphthalene	15.36	128	87647	20.022	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	44327	19.549	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012417.D

Acq: 31 Aug 2019 23:44

Instrument :

MSVOA_W

ClientSampleId :

VW0831SBS02

Tot Ion:168 Resp: 187135

Ion Ratio Lower Upper

168 100

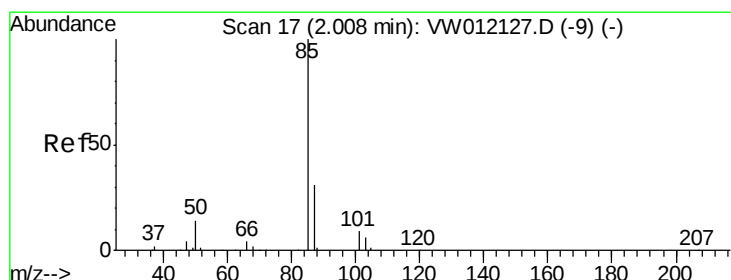
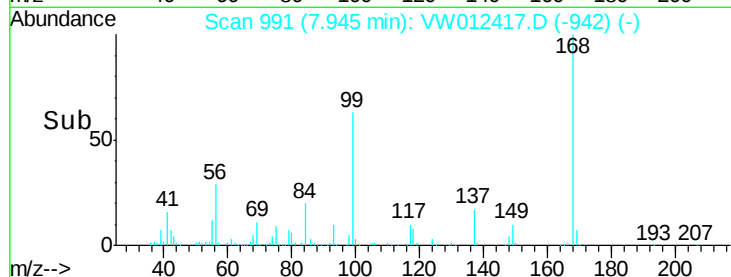
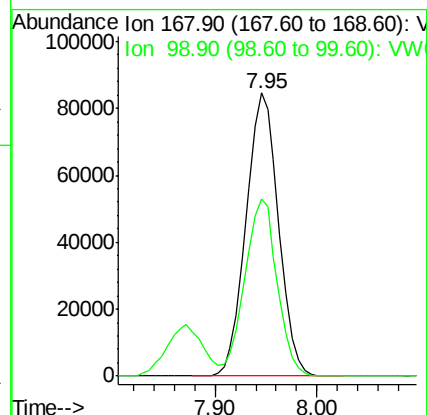
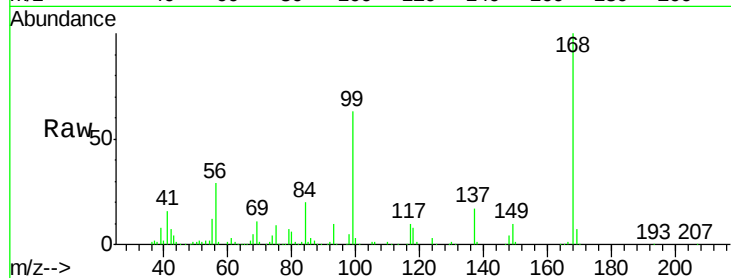
99 62.5 49.2 73.8

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 15.492 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW012417.D

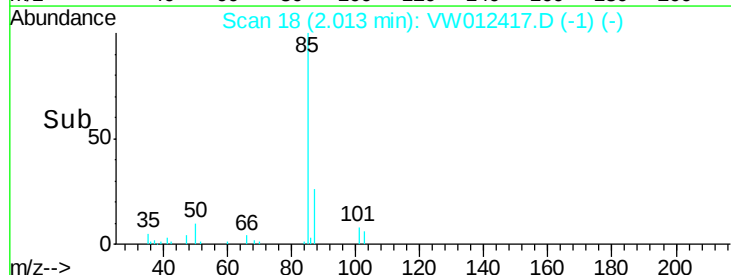
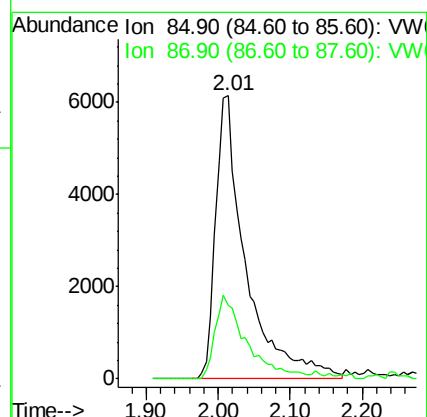
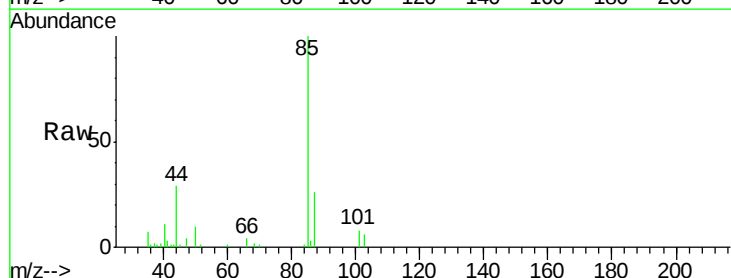
Acq: 31 Aug 2019 23:44

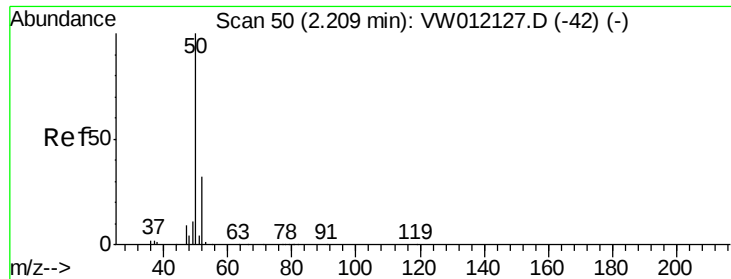
Tgt Ion: 85 Resp: 17851

Ion Ratio Lower Upper

85 100

87 25.9 15.6 46.8





#3

Chloromethane

Concen: 18.045 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW012417.D

Acq: 31 Aug 2019 23:44

Instrument :

MSVOA_W

ClientSampleId :

VW0831SBS02

Tot Ion: 50 Resp: 32213

Ion Ratio Lower Upper

50 100

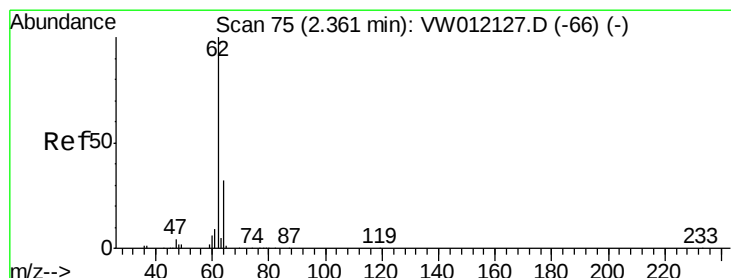
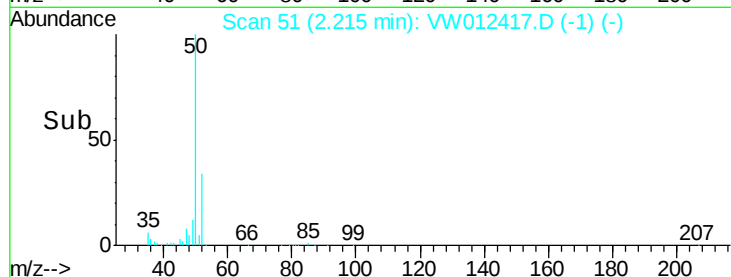
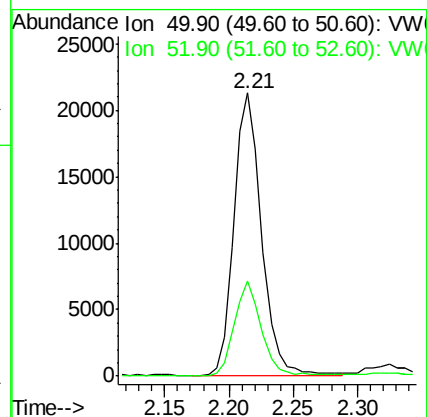
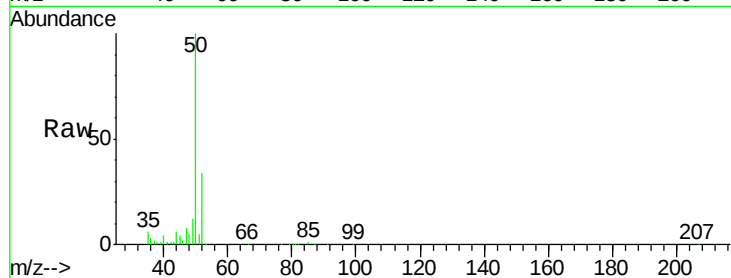
52 33.8 25.5 38.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 16.652 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW012417.D

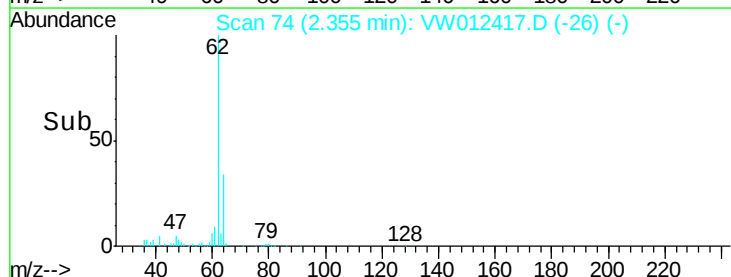
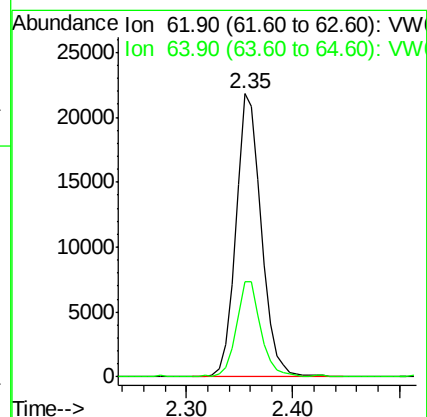
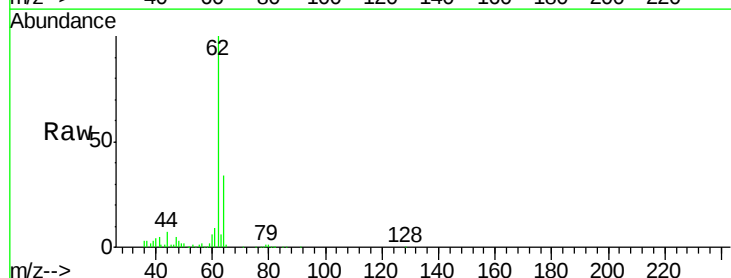
Acq: 31 Aug 2019 23:44

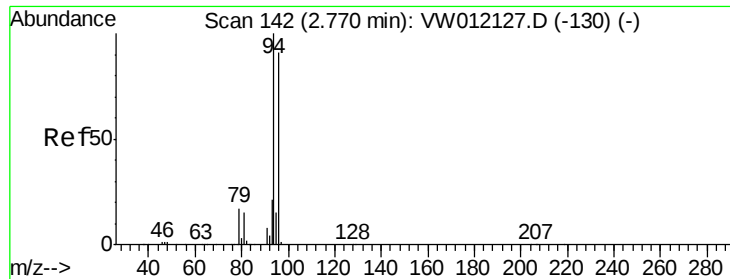
Tgt Ion: 62 Resp: 36385

Ion Ratio Lower Upper

62 100

64 33.6 25.3 37.9





#5

Bromomethane

Concen: 19.253 ug/l

RT: 2.76 min Scan# 140

Delta R.T. -0.01 min

Lab File: VW012417.D

Acq: 31 Aug 2019 23:44

Instrument :

MSVOA_W

ClientSampleId :

VW0831SBS02

Tot Ion: 94 Resp: 21305

Ion Ratio Lower Upper

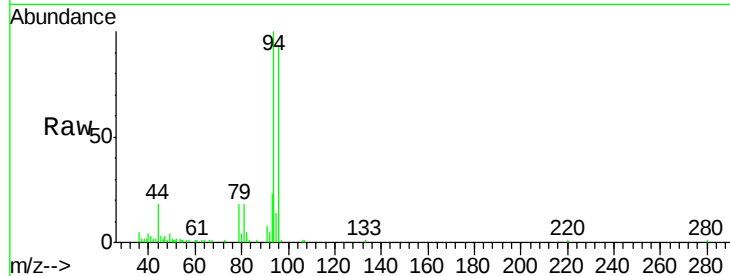
94 100

96 92.9 72.9 109.3

Manual Integrations
APPROVED

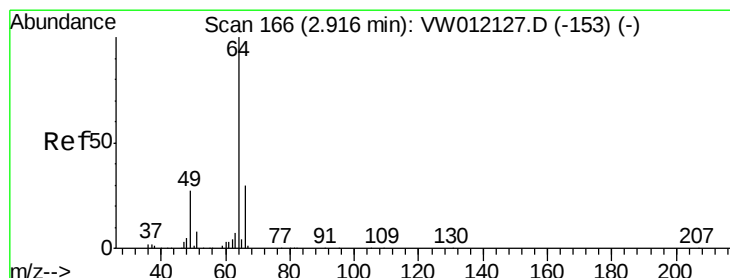
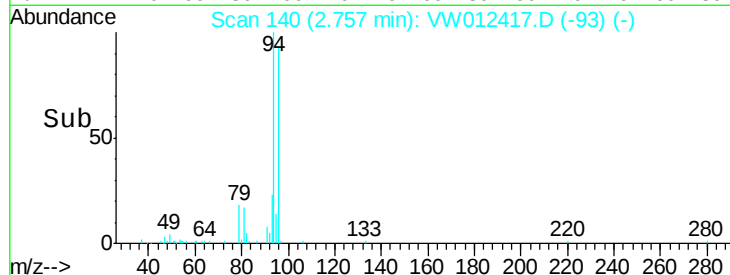
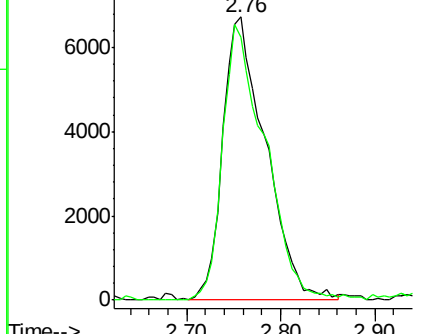
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Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 18.584 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.00 min

Lab File: VW012417.D

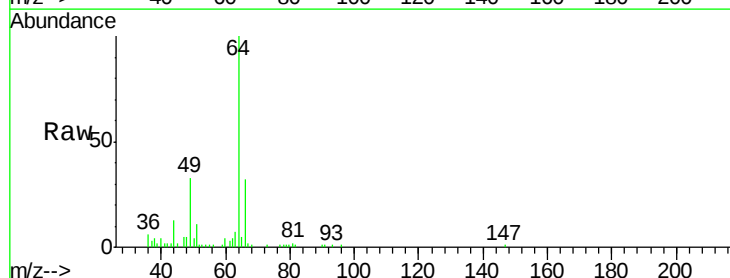
Acq: 31 Aug 2019 23:44

Tgt Ion: 64 Resp: 22906

Ion Ratio Lower Upper

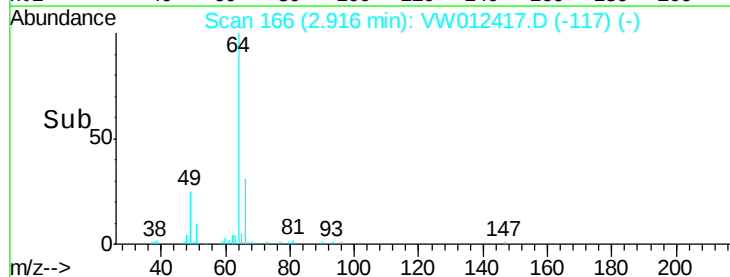
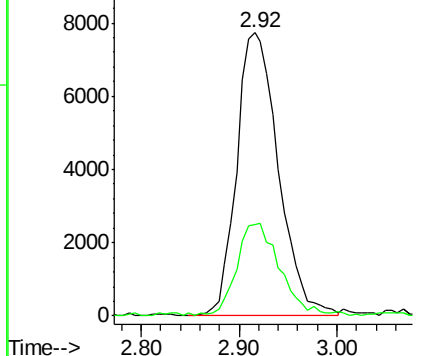
64 100

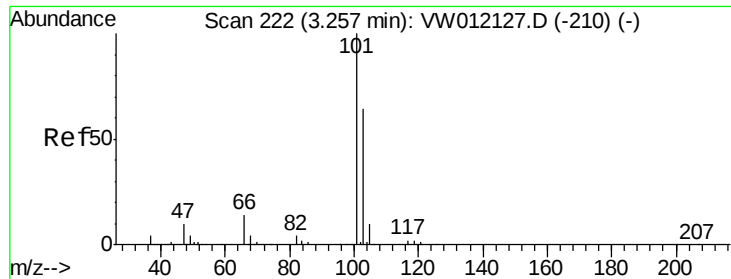
66 31.0 23.8 35.8



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW





#7

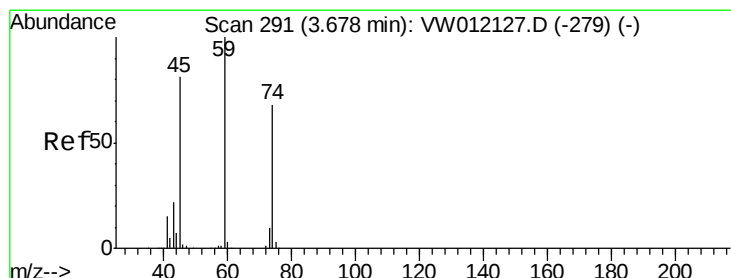
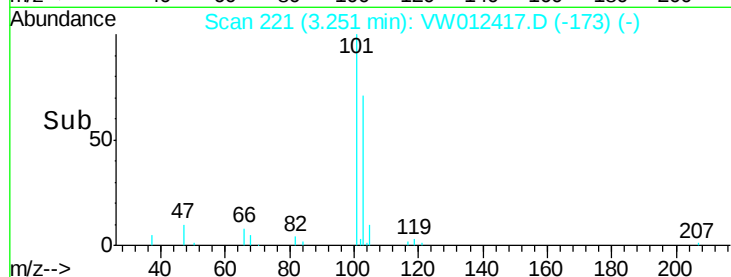
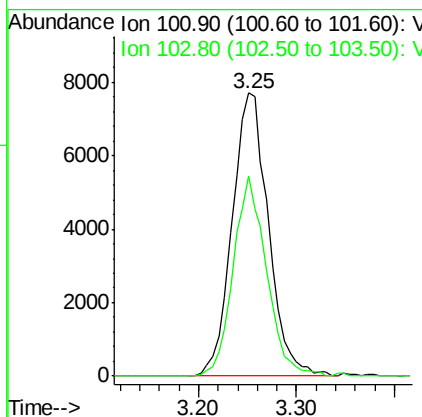
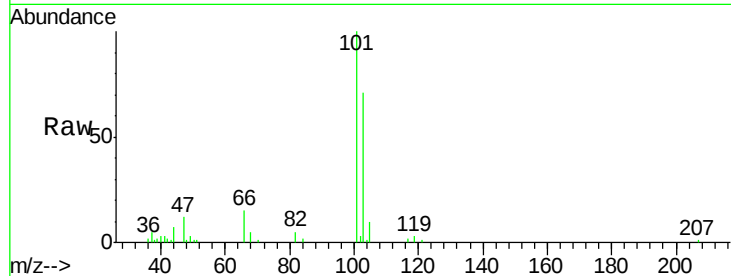
Trichlorofluoromethane
Concen: 17.996 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW012417.D
Acq: 31 Aug 2019 23:44

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Tot Ion	Ratio	Lower	Upper
101	100		
103	70.7	51.2	76.8

Manual Integrations
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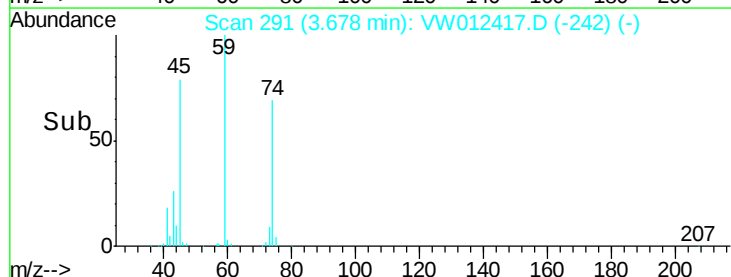
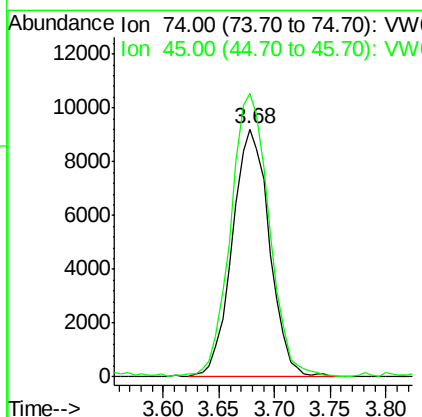
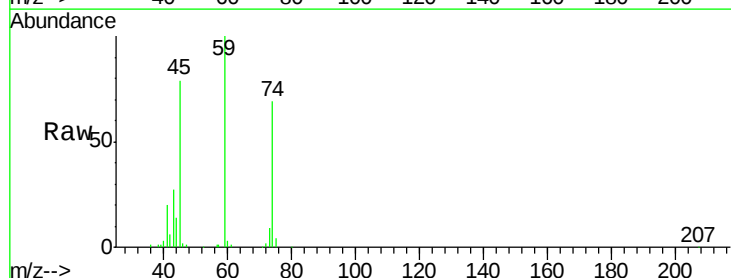
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9/3/2019 2:42:04 AM

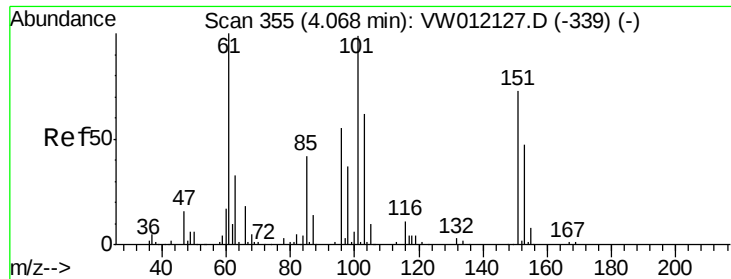


#8

Diethyl Ether
Concen: 20.457 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.00 min
Lab File: VW012417.D
Acq: 31 Aug 2019 23:44

Tgt Ion	Ratio	Lower	Upper
74	100		
45	119.3	59.2	177.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.665 ug/l

RT: 4.07 min Scan# 355

Delta R.T. -0.00 min

Lab File: VW012417.D

Acq: 31 Aug 2019 23:44

Instrument :

MSVOA_W

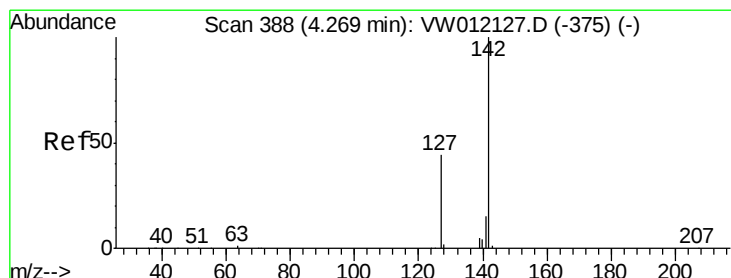
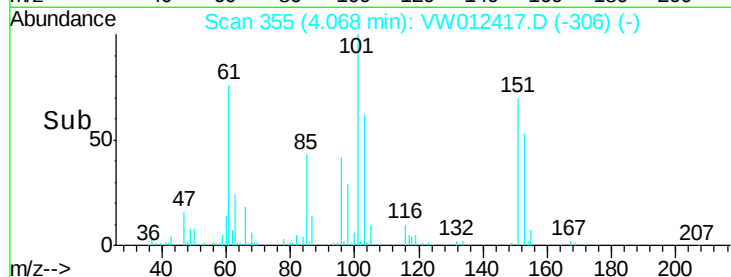
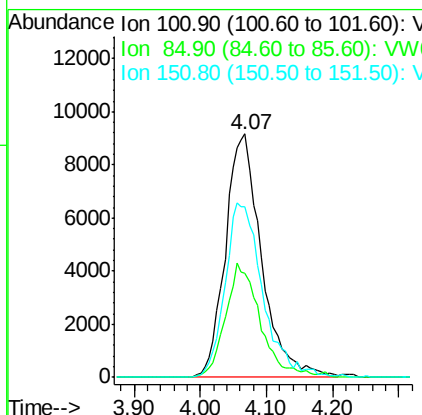
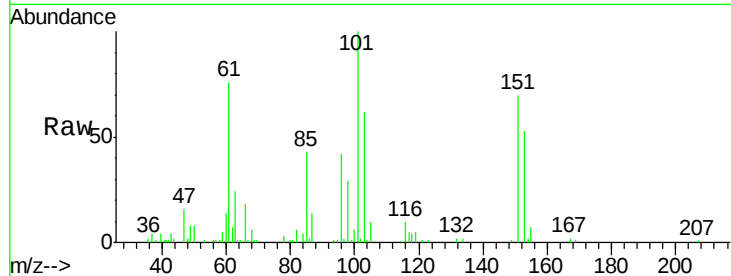
ClientSampleId :

VW0831SBS02

Tot Ion:	101	Resp:	34808
Ion Ratio	Lower	Upper	
101	100		
85	44.9	35.8	53.6
151	74.7	58.6	87.8

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#10

Methyl Iodide

Concen: 18.911 ug/l

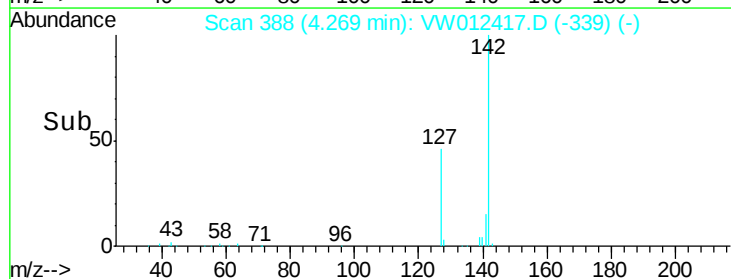
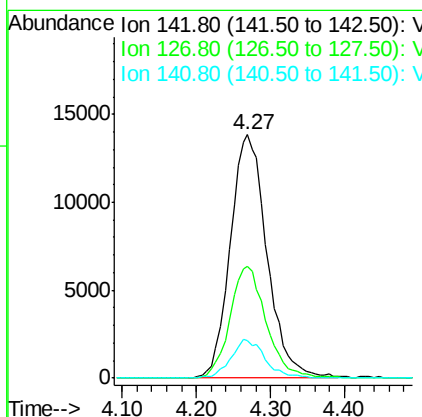
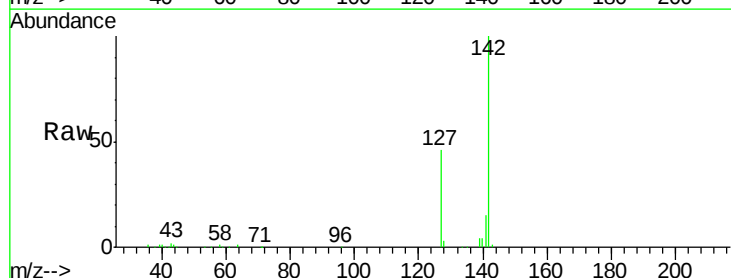
RT: 4.27 min Scan# 388

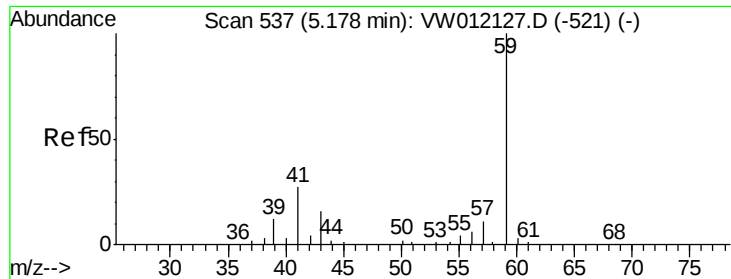
Delta R.T. -0.00 min

Lab File: VW012417.D

Acq: 31 Aug 2019 23:44

Tgt Ion:	142	Resp:	47718
Ion Ratio	Lower	Upper	
142	100		
127	45.5	35.5	53.3
141	14.7	11.8	17.8





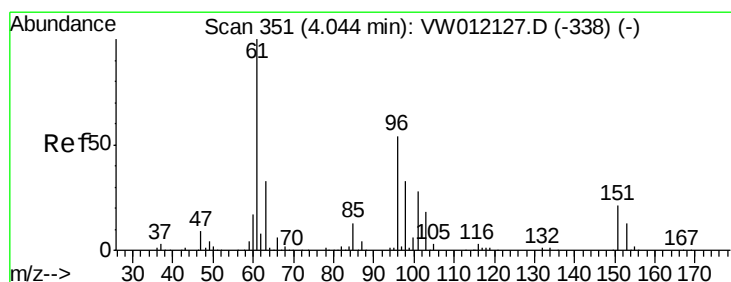
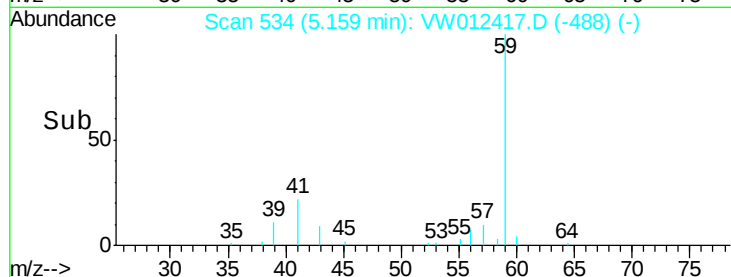
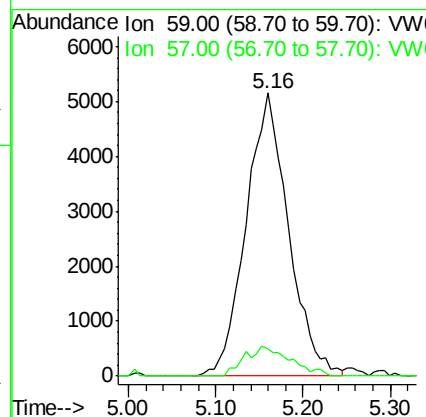
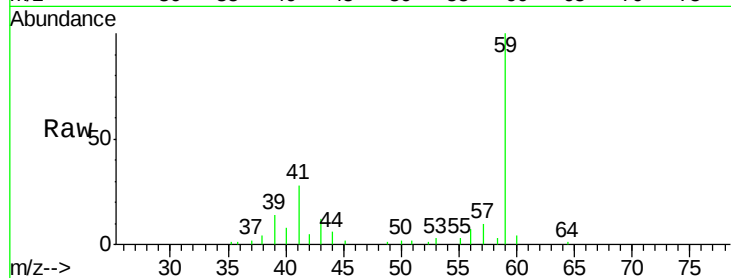
#11
Tert butyl alcohol
Concen: 129.906 ug/l
RT: 5.16 min Scan# 534
Delta R.T. -0.02 min
Lab File: VW012417.D
Acq: 31 Aug 2019 23:44

Instrument :
MSVOA_W
ClientSampleId :
VW0831SBS02

Tot Ion	Ratio	Resp	Lower	Upper
59	100	17391		
57	11.4	9.0	13.4	

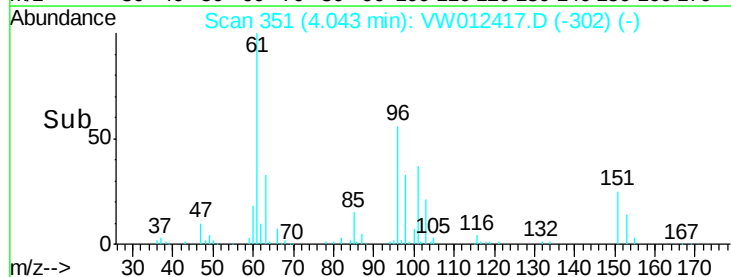
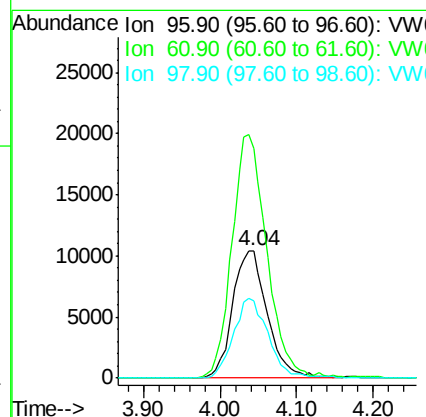
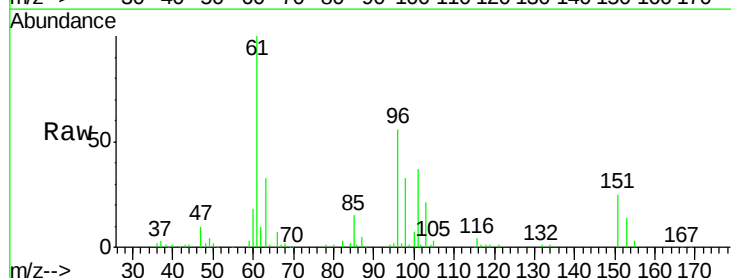
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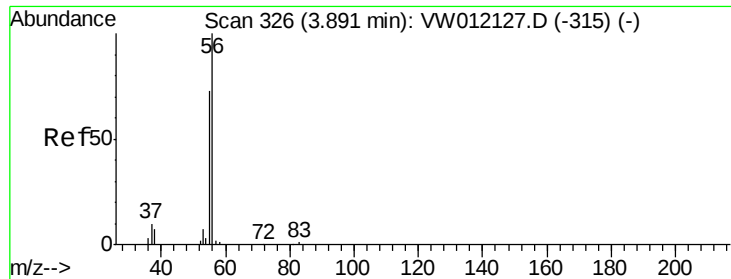
MMDadoda
9/3/2019 2:42:04 AM



#12
1,1-Dichloroethene
Concen: 17.412 ug/l
RT: 4.04 min Scan# 351
Delta R.T. -0.00 min
Lab File: VW012417.D
Acq: 31 Aug 2019 23:44

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	32683		
61	179.8	149.1	223.7	
98	60.2	49.4	74.2	





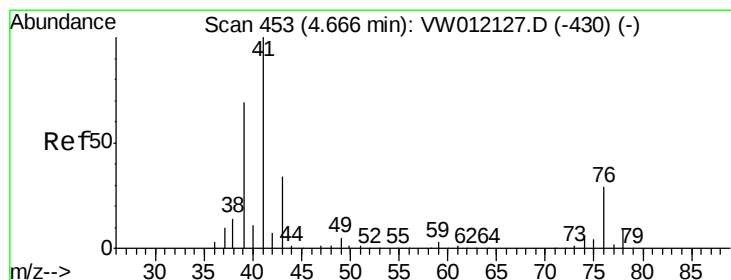
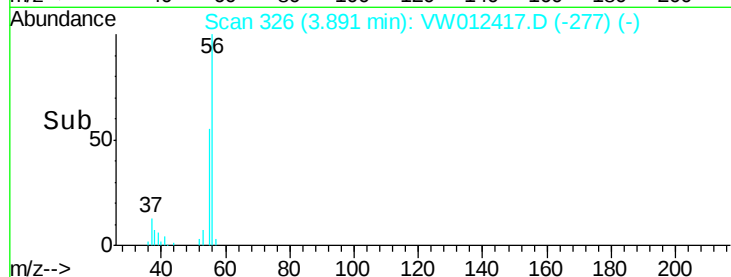
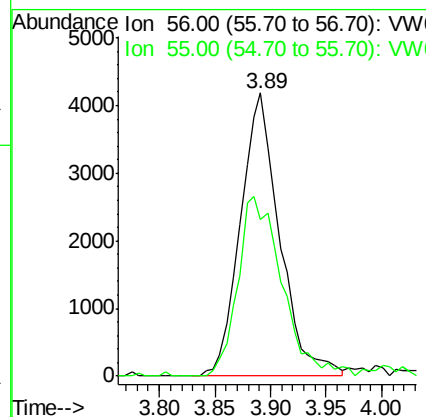
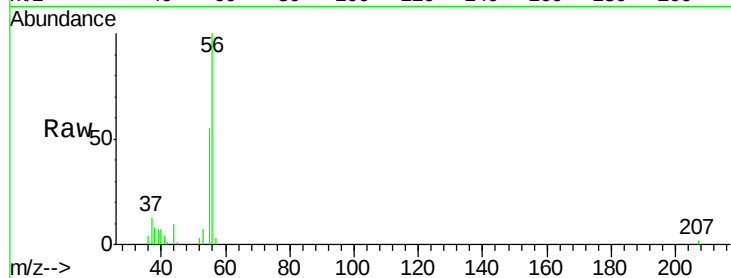
#13
Acrolein
Concen: 81.115 ug/l
RT: 3.89 min Scan# 326
Delta R.T. -0.00 min
Lab File: VW012417.D
Acq: 31 Aug 2019 23:44

Instrument :
MSVOA_W
ClientSampleId :
VW0831SBS02

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
55	71.6	55.8	83.8	

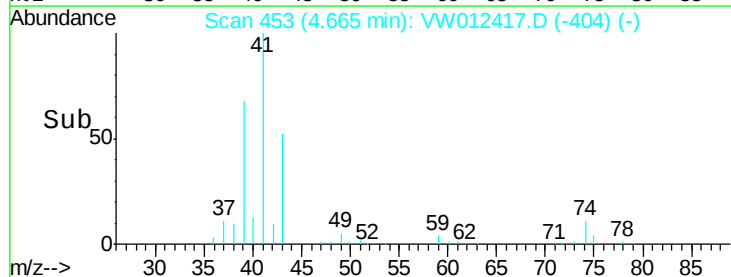
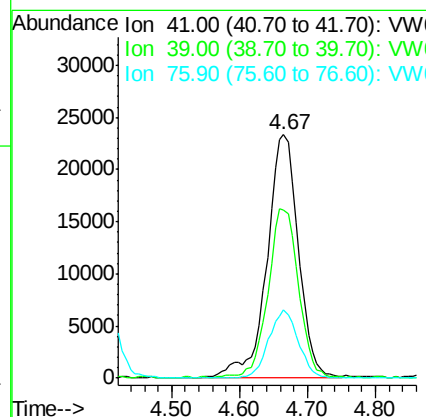
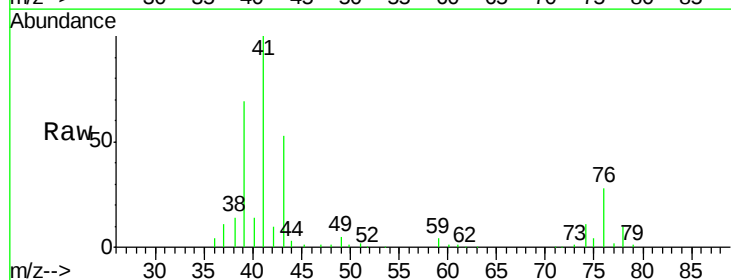
Manual Integrations
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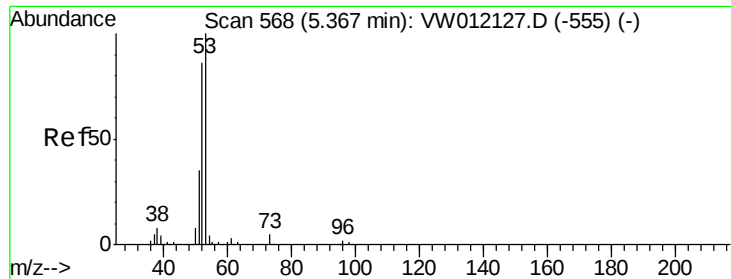
MMDadoda
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#14
Allyl chloride
Concen: 18.825 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW012417.D
Acq: 31 Aug 2019 23:44

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	67.7	53.4	80.2	
76	26.0	22.1	33.1	





#15

Acrylonitrile

Concen: 114.661 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW012417.D

Acq: 31 Aug 2019 23:44

Instrument :

MSVOA_W

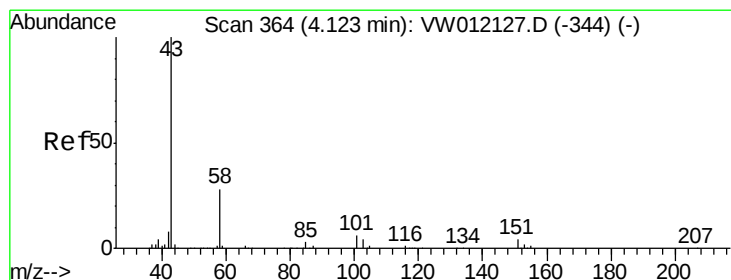
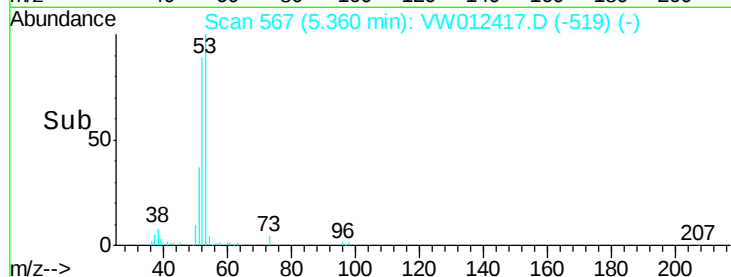
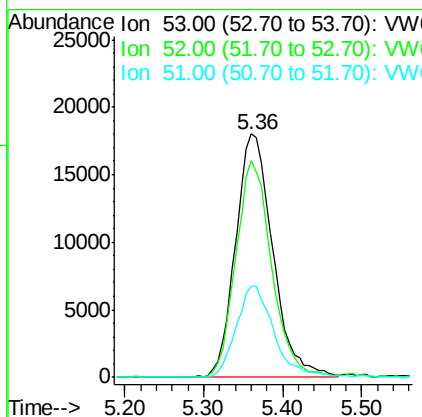
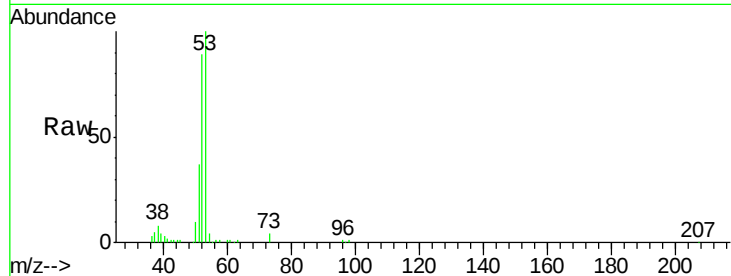
ClientSampleId :

VW0831SBS02

Tot Ion:	53	Resp:	59186
Ion	Ratio	Lower	Upper
53	100		
52	85.6	66.7	100.1
51	38.0	30.1	45.1

Manual Integrations
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#16

Acetone

Concen: 95.393 ug/l

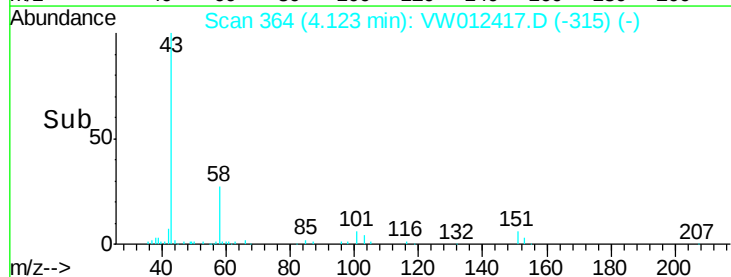
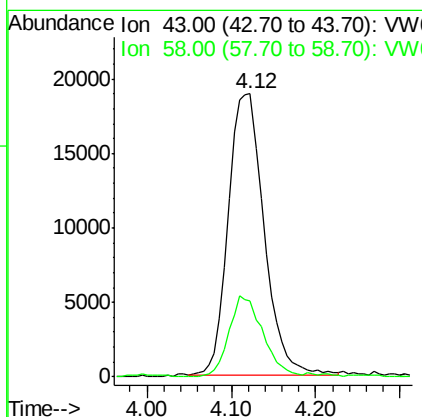
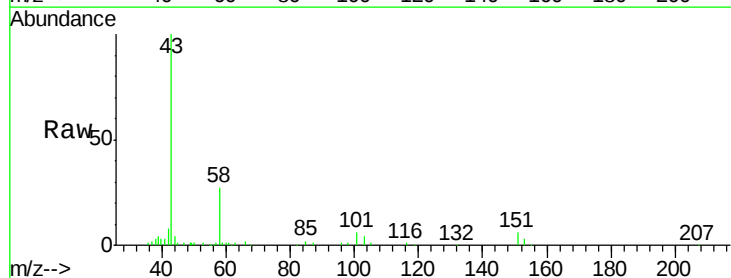
RT: 4.12 min Scan# 364

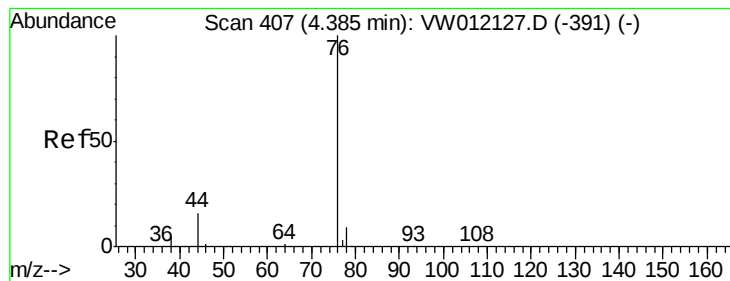
Delta R.T. -0.00 min

Lab File: VW012417.D

Acq: 31 Aug 2019 23:44

Tgt Ion:	43	Resp:	54245
Ion	Ratio	Lower	Upper
43	100		
58	26.9	22.4	33.6





#17

Carbon Disulfide

Concen: 14.662 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW012417.D

Acq: 31 Aug 2019 23:44

Tot Ion: 76 Resp: 83173

Ion Ratio Lower Upper

76 100

78 8.9 7.3 10.9

Instrument :

MSVOA_W

ClientSampleId :

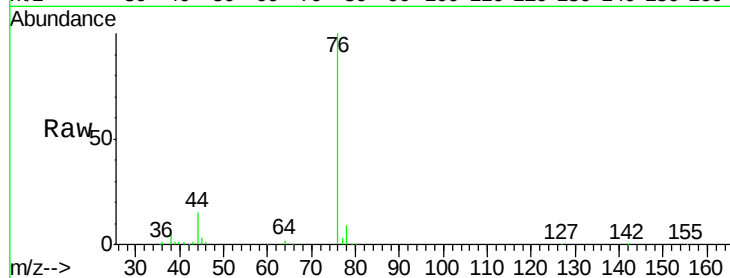
VW0831SBSD02

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Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.38

30000

25000

20000

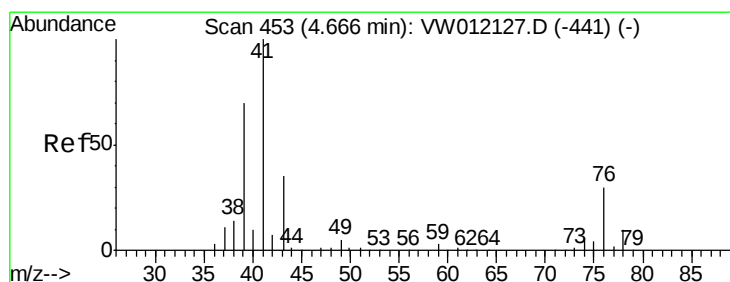
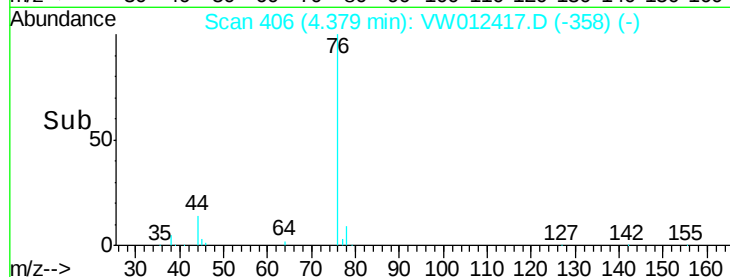
15000

10000

5000

0

Time--> 4.20 4.30 4.40 4.50



#18

Methyl Acetate

Concen: 27.262 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW012417.D

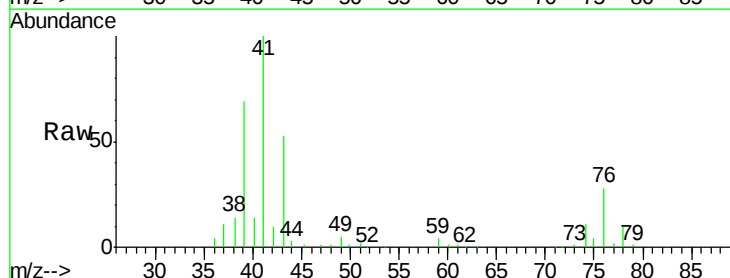
Acq: 31 Aug 2019 23:44

Tgt Ion: 43 Resp: 38397

Ion Ratio Lower Upper

43 100

74 17.9 15.7 23.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

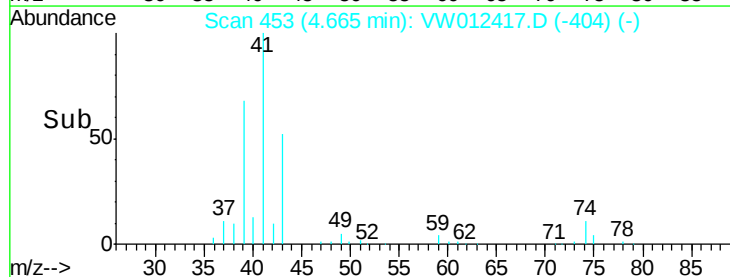
4.67

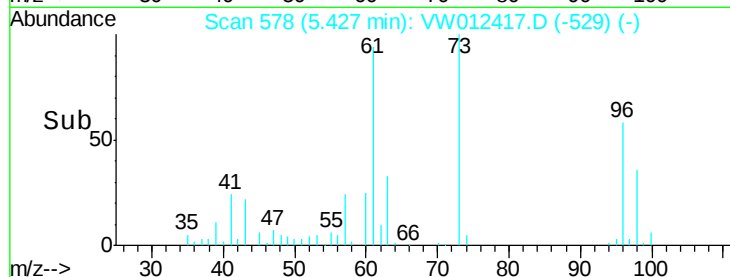
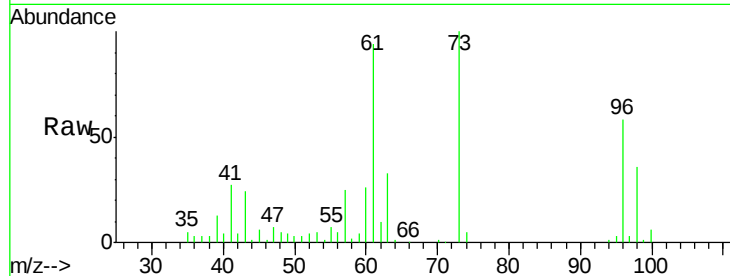
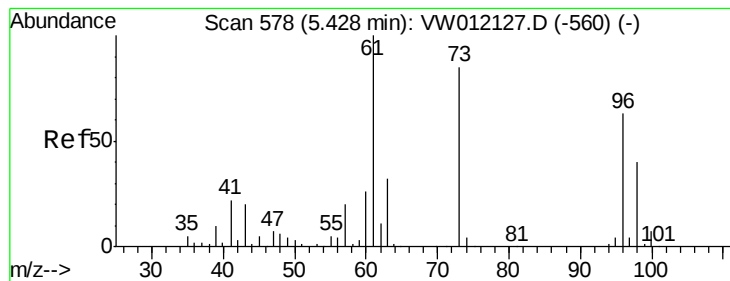
10000

5000

0

Time--> 4.50 4.60 4.70 4.80





#19

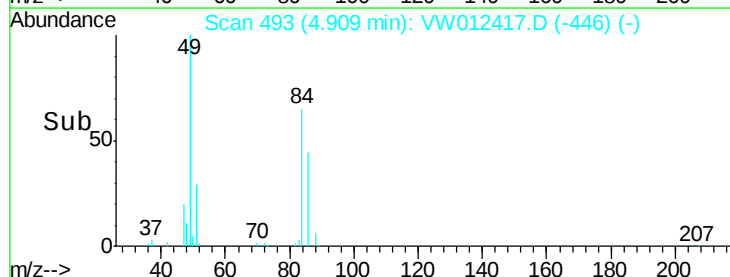
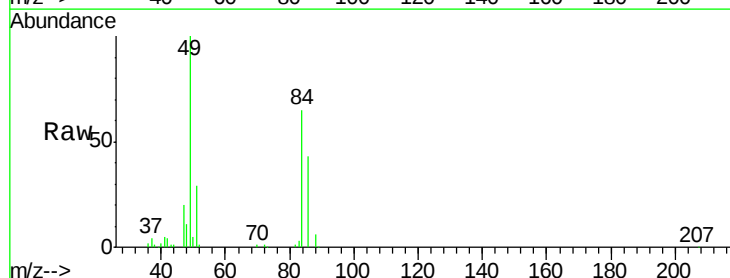
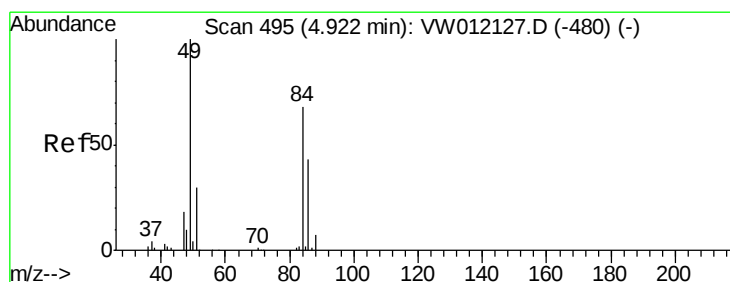
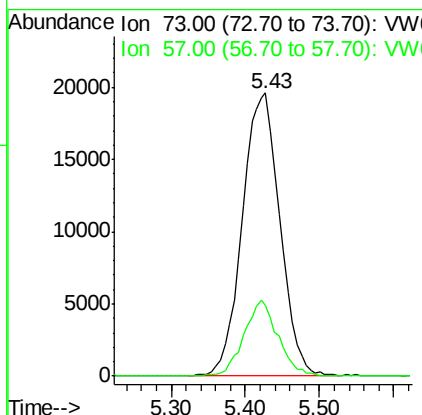
Methyl tert-butyl Ether
Concen: 22.817 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW012417.D
Acq: 31 Aug 2019 23:44

Tot Ion: 73 Resp: 69260
Ion Ratio Lower Upper
73 100
57 25.1 18.9 28.3

Instrument :
MSVOA_W
ClientSampleId :
VW0831SBS02

Manual Integrations
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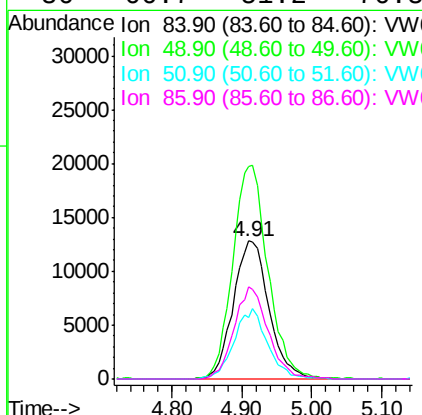
MMDadoda
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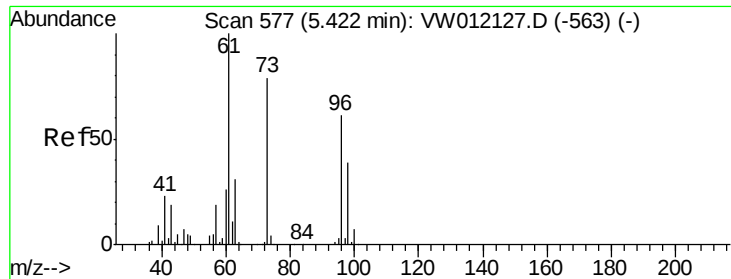


#20

Methylene Chloride
Concen: 21.099 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012417.D
Acq: 31 Aug 2019 23:44

Tgt Ion: 84 Resp: 45356
Ion Ratio Lower Upper
84 100
49 153.7 117.8 176.8
51 45.0 35.6 53.4
86 66.7 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 18.552 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW012417.D

Acq: 31 Aug 2019 23:44

Instrument :

MSVOA_W

ClientSampleId :

VW0831SBS02

Tot Ion: 96 Resp: 37343

Ion Ratio Lower Upper

96 100

61 171.3 131.4 197.0

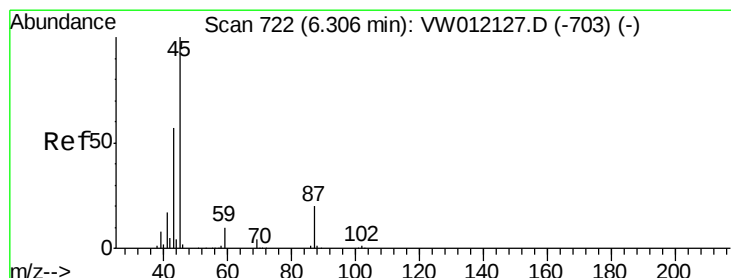
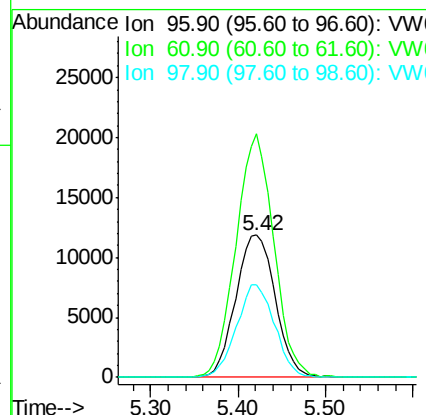
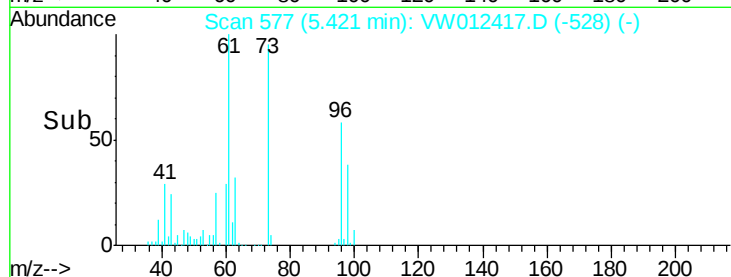
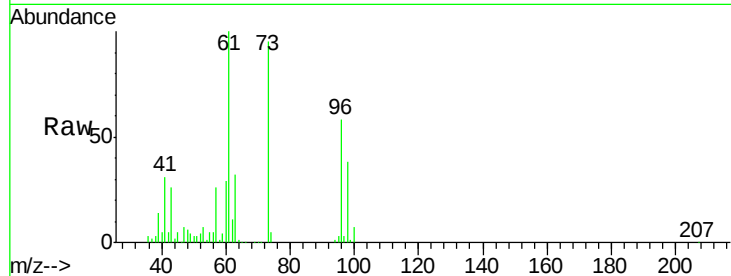
98 65.1 51.4 77.0

Manual Integrations

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#22

Diisopropyl ether

Concen: 21.510 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW012417.D

Acq: 31 Aug 2019 23:44

Tgt Ion: 45 Resp: 159998

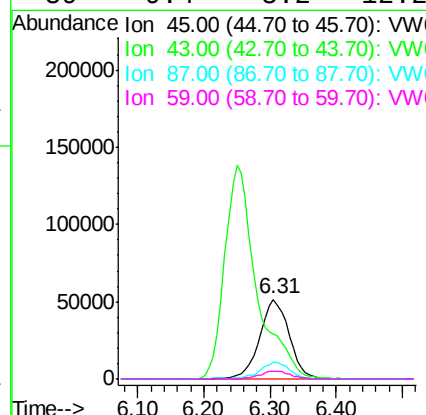
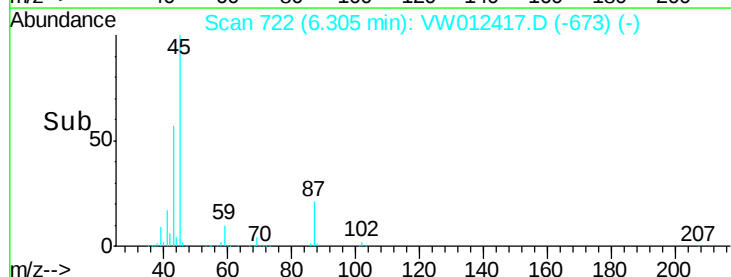
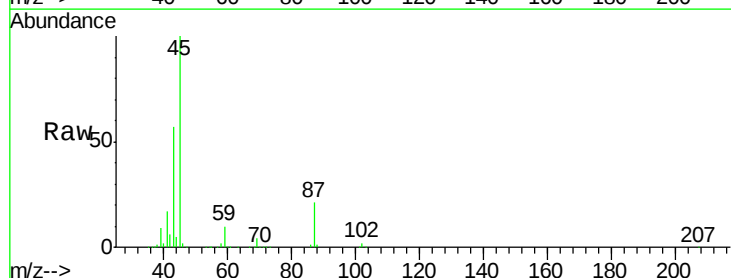
Ion Ratio Lower Upper

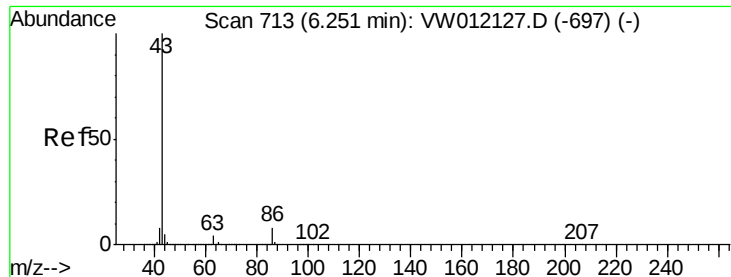
45 100

43 56.3 45.5 68.3

87 21.0 16.1 24.1

59 9.4 8.2 12.2





#23

Vinyl Acetate

Concen: 101.362 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW012417.D

Acq: 31 Aug 2019 23:44

Instrument :

MSVOA_W

ClientSampleId :

VW0831SBS02

Tot Ion: 43 Resp: 463993

Ion Ratio Lower Upper

43 100

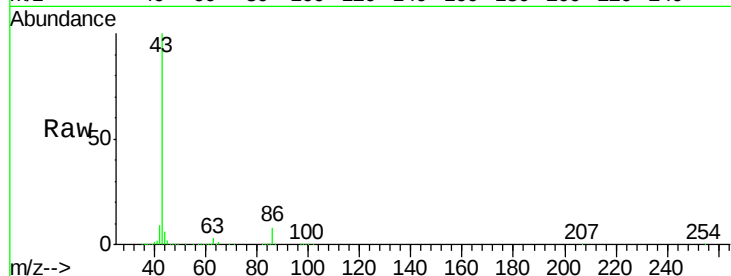
86 8.1 6.5 9.7

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.25

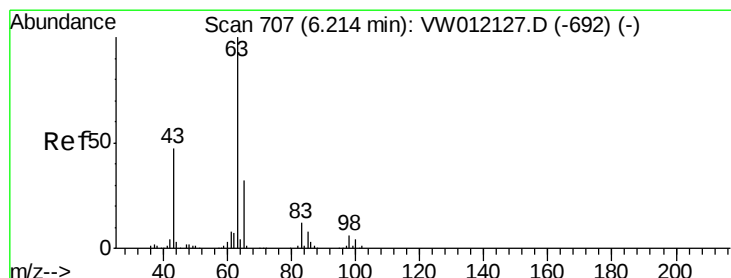
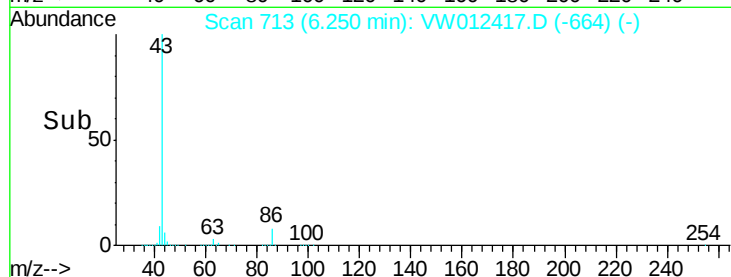
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.049 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW012417.D

Acq: 31 Aug 2019 23:44

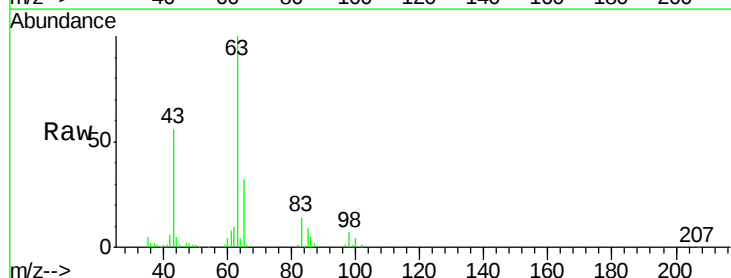
Tgt Ion: 63 Resp: 81197

Ion Ratio Lower Upper

63 100

98 6.6 3.0 9.2

100 3.7 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

6.21

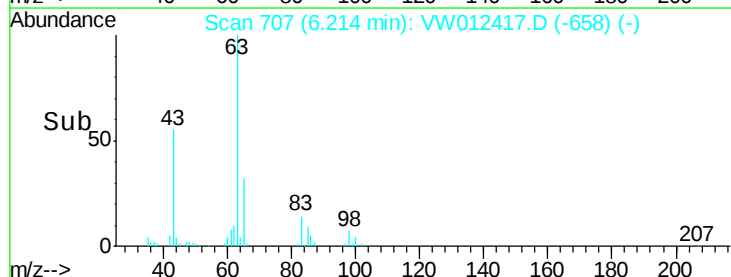
30000

20000

10000

0

Time-->





#25

2-Butanone

Concen: 107.152 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW012417.D

Acq: 31 Aug 2019 23:44

Instrument :

MSVOA_W

ClientSampleId :

VW0831SBS02

Tot Ion: 43 Resp: 82799

Ion Ratio Lower Upper

43 100

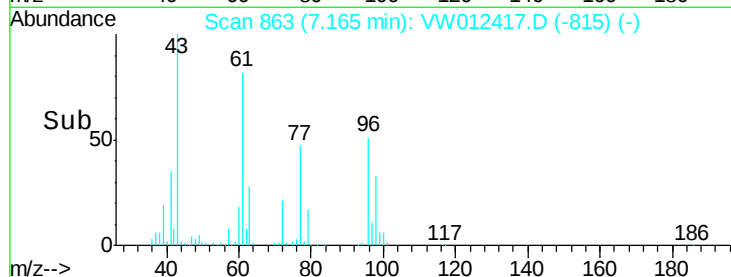
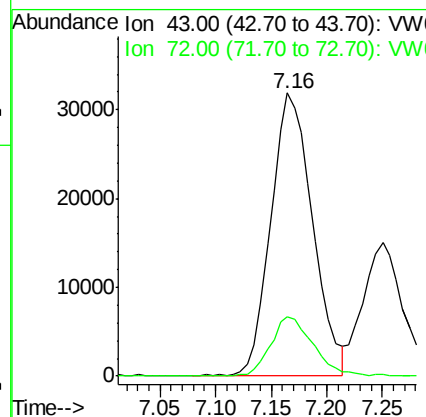
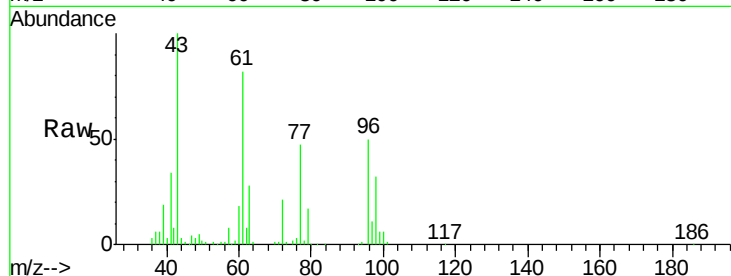
72 21.2 16.6 24.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 19.300 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW012417.D

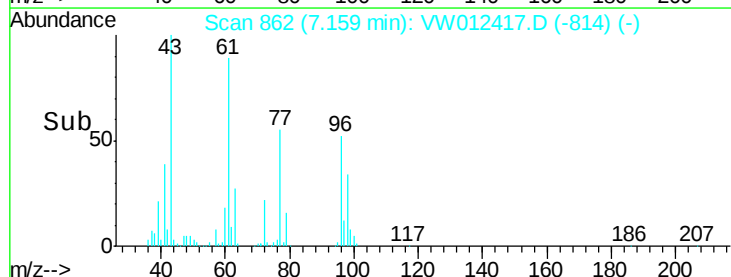
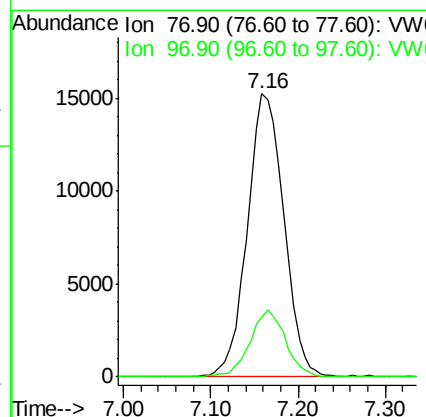
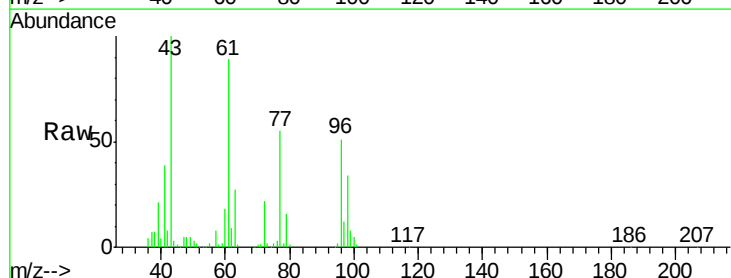
Acq: 31 Aug 2019 23:44

Tgt Ion: 77 Resp: 44243

Ion Ratio Lower Upper

77 100

97 22.8 11.1 33.1





#27

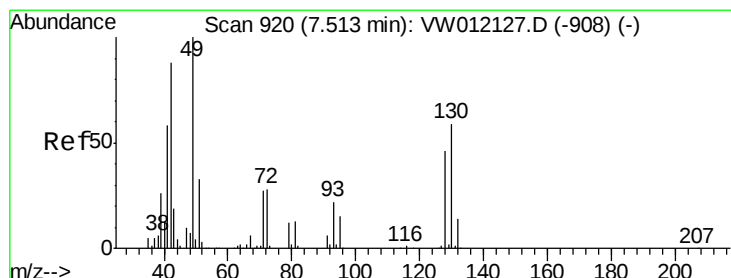
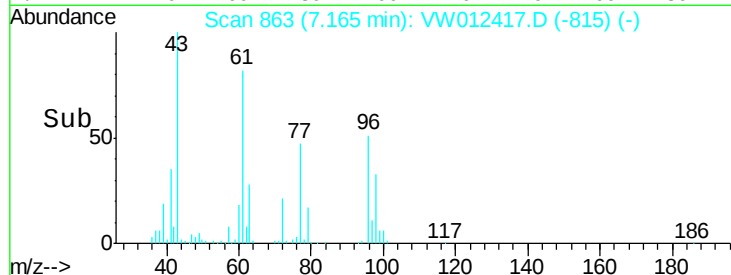
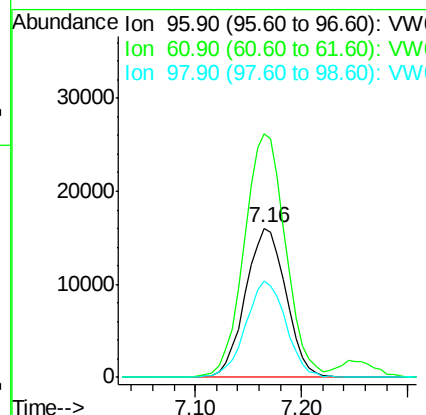
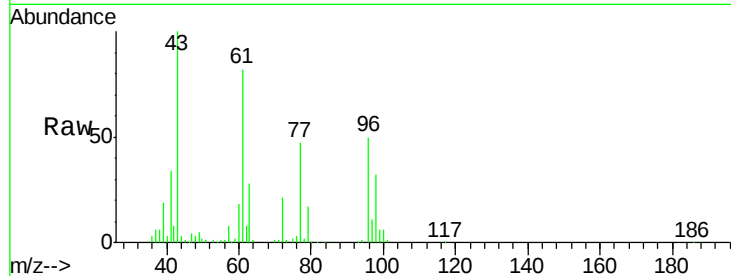
cis-1,2-Dichloroethene
Concen: 19.895 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW012417.D
Acq: 31 Aug 2019 23:44

Instrument :
MSVOA_W
ClientSampleId :
VW0831SBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	166.0	0.0	326.6
98	64.3	0.0	127.4

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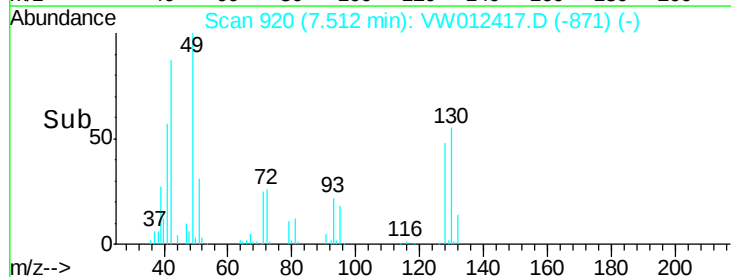
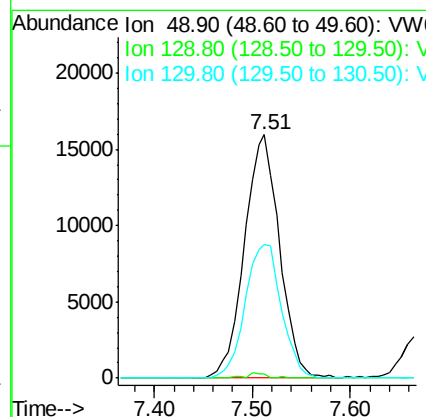
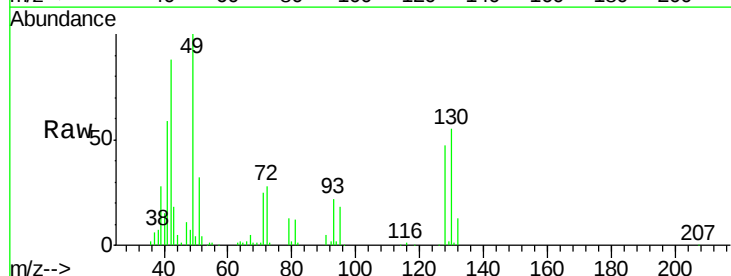
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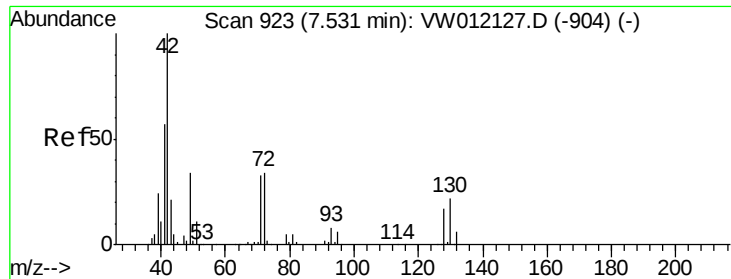


#28

Bromochloromethane
Concen: 22.471 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW012417.D
Acq: 31 Aug 2019 23:44

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	1.4
130	56.4	45.5	68.3





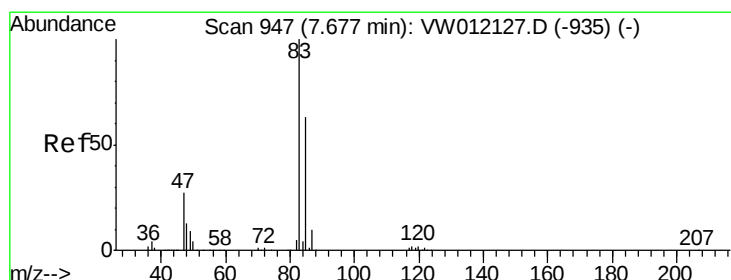
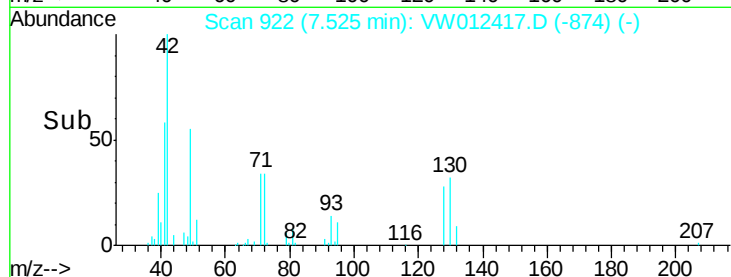
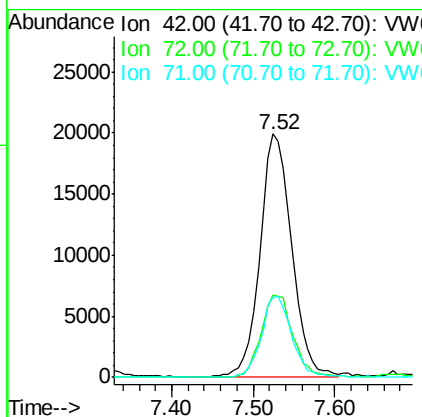
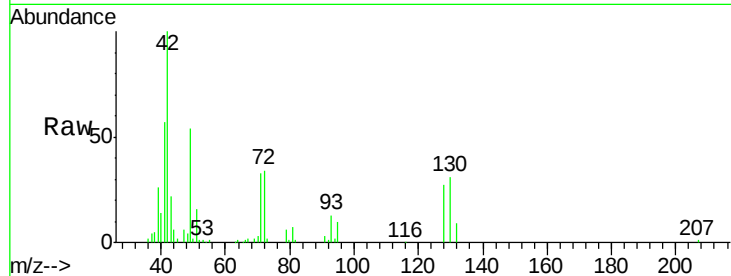
#29
Tetrahydrofuran
Concen: 116.919 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW012417.D
Acq: 31 Aug 2019 23:44

Instrument :
MSVOA_W
ClientSampleId :
VW0831SBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.0	27.3	40.9
71	31.4	25.5	38.3

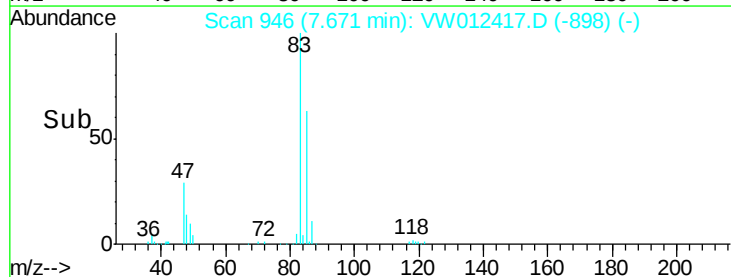
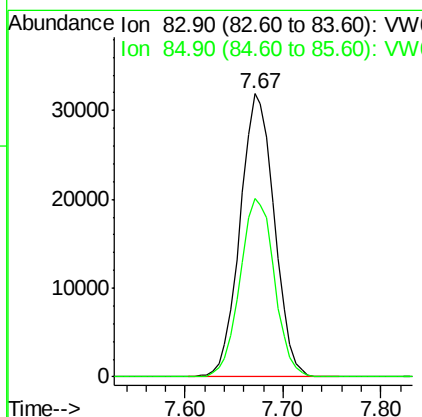
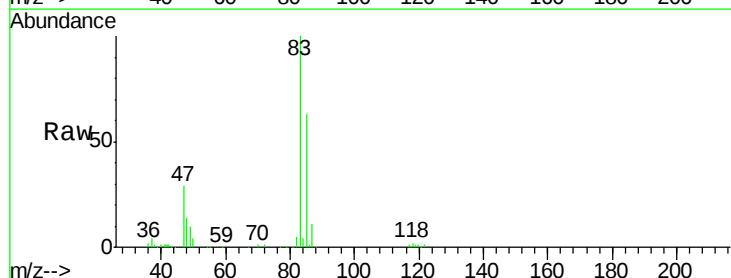
Manual Integrations
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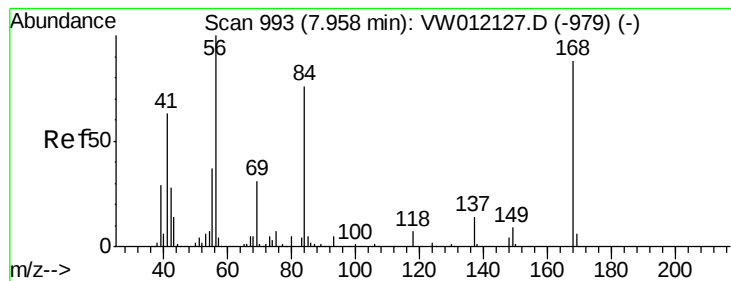
MMDadoda
9/3/2019 2:42:04 AM



#30
Chloroform
Concen: 20.909 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW012417.D
Acq: 31 Aug 2019 23:44

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.0	50.6	76.0





#31

Cyclohexane

Concen: 16.572 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW012417.D

Acq: 31 Aug 2019 23:44

Instrument :

MSVOA_W

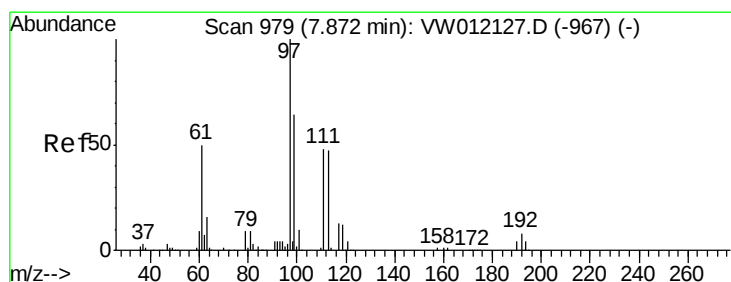
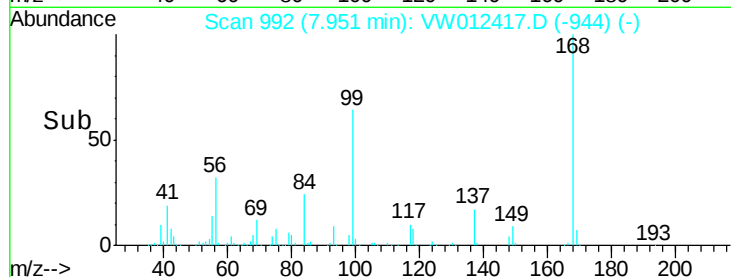
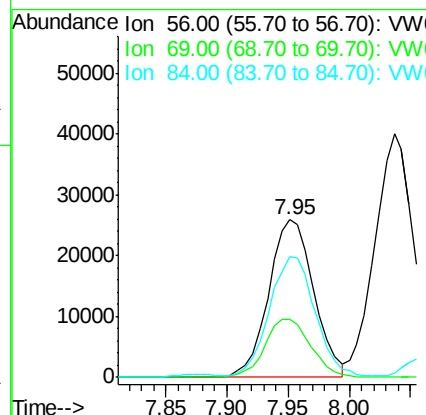
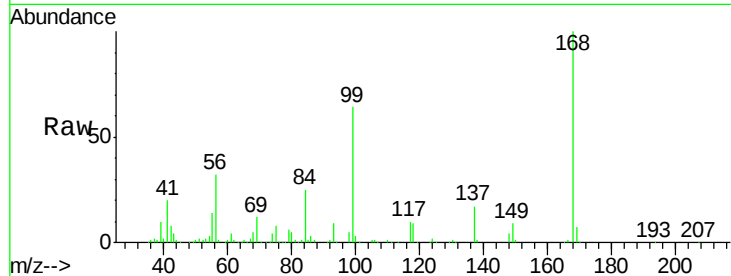
ClientSampleID :

VW0831SBS02

Tot Ion:	56	Resp:	66404
Ion Ratio	Lower	Upper	
56	100		
69	37.2	24.9	37.3
84	75.3	60.6	90.8

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#32

1,1,1-Trichloroethane

Concen: 20.615 ug/l

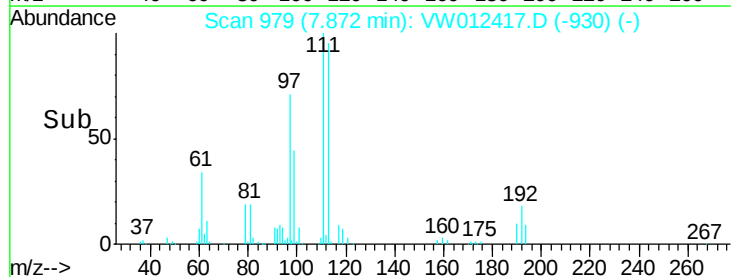
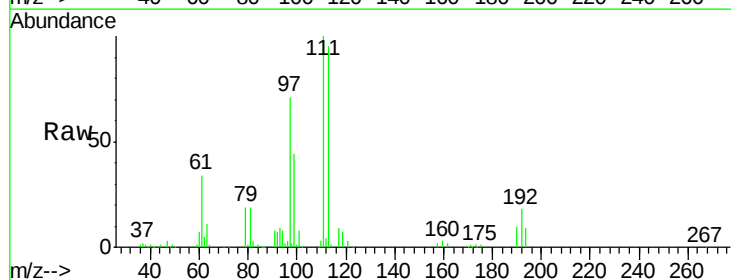
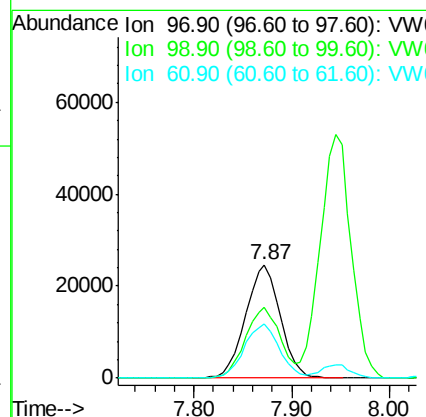
RT: 7.87 min Scan# 979

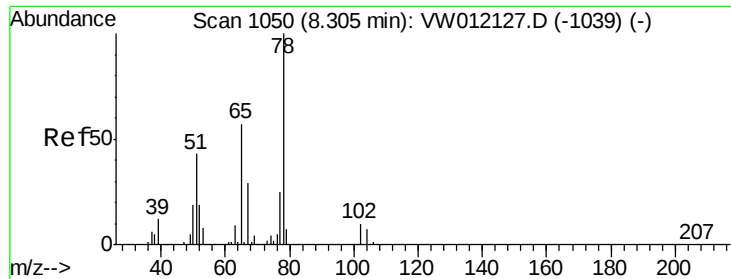
Delta R.T. -0.00 min

Lab File: VW012417.D

Acq: 31 Aug 2019 23:44

Tgt Ion:	97	Resp:	60426
Ion Ratio	Lower	Upper	
97	100		
99	62.7	51.4	77.0
61	48.6	39.5	59.3





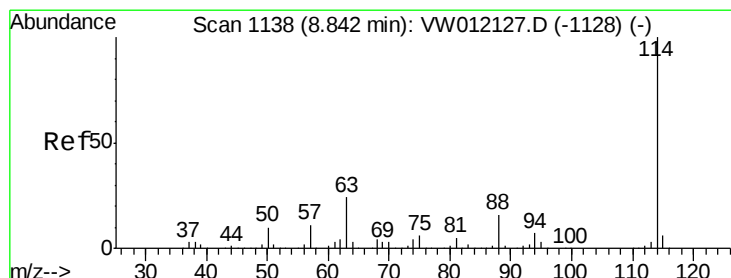
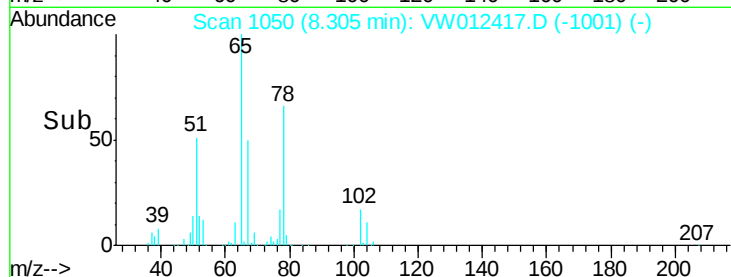
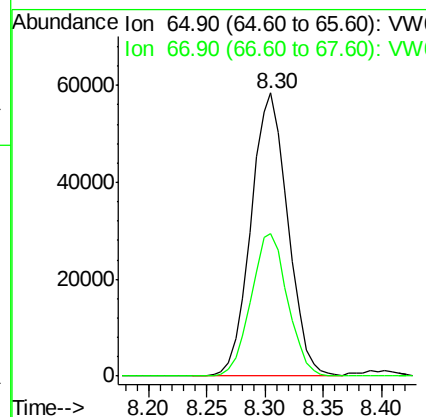
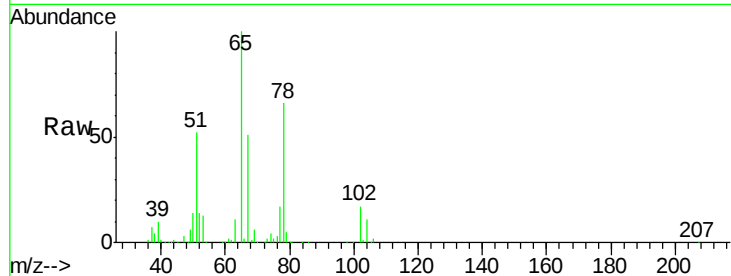
#33
 1,2-Dichloroethane-d4
 Concen: 57.749 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012417.D
 Acq: 31 Aug 2019 23:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0831SBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	128467		
67	50.3	0.0	102.6	

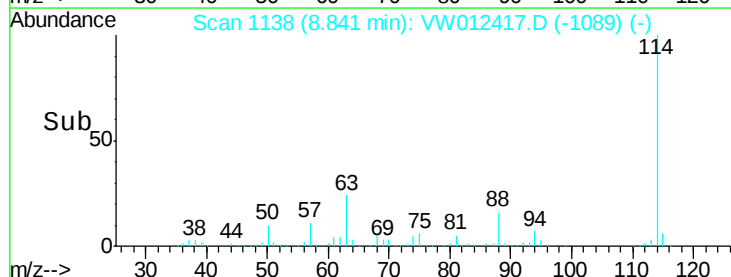
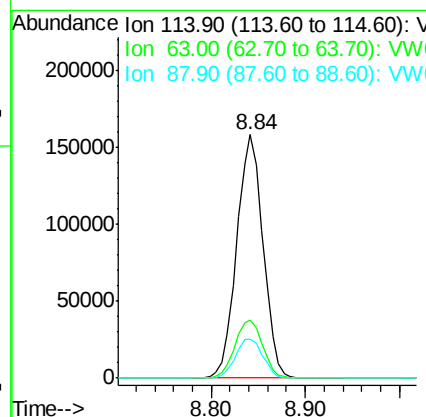
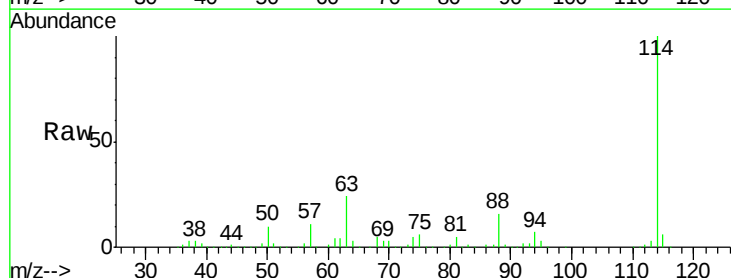
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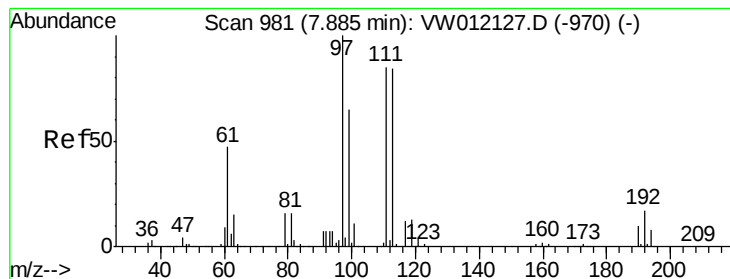
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 9/3/2019 2:42:04 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012417.D
 Acq: 31 Aug 2019 23:44

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	308018		
63	23.8	0.0	48.6	
88	16.0	0.0	32.2	





#35

Dibromofluoromethane

Concen: 52.497 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012417.D

Acq: 31 Aug 2019 23:44

Instrument :

MSVOA_W

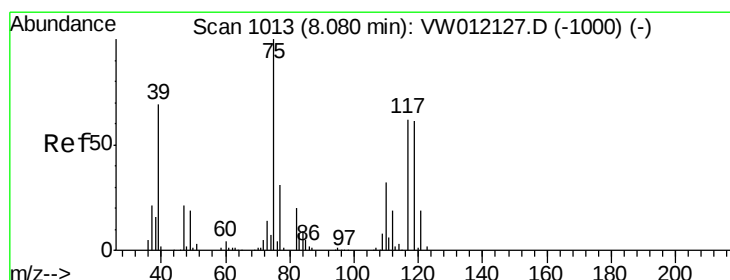
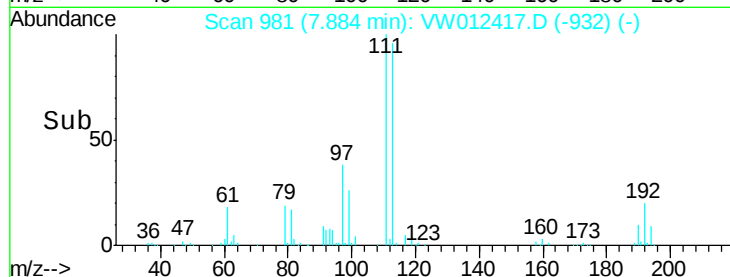
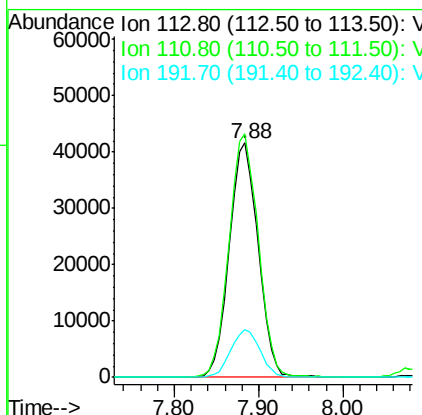
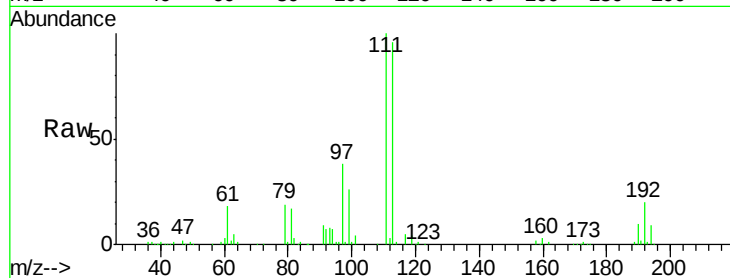
ClientSampleId :

VW0831SBS02

Tot Ion:	113	Resp:	96520
Ion Ratio	Lower	Upper	
113	100		
111	105.6	82.7	124.1
192	20.8	16.2	24.2

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#36

1,1-Dichloropropene

Concen: 17.964 ug/l

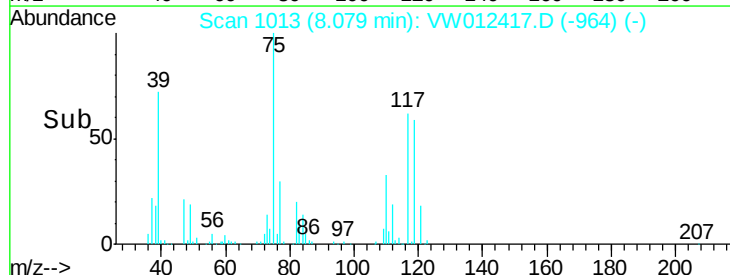
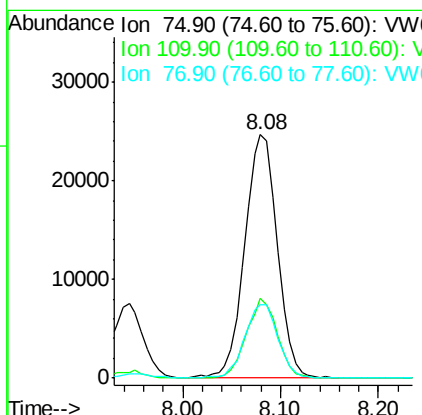
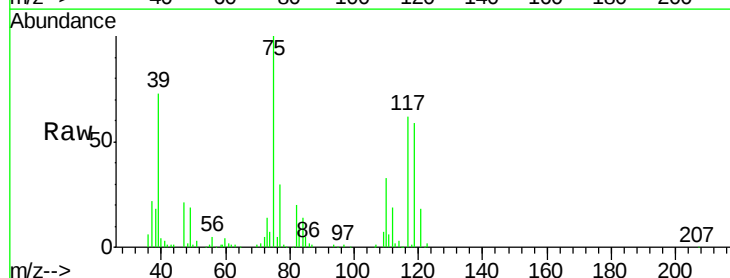
RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW012417.D

Acq: 31 Aug 2019 23:44

Tgt Ion:	75	Resp:	57179
Ion Ratio	Lower	Upper	
75	100		
110	31.0	15.6	46.8
77	31.1	24.6	36.8





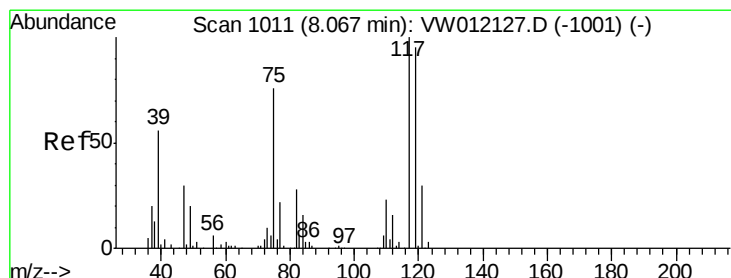
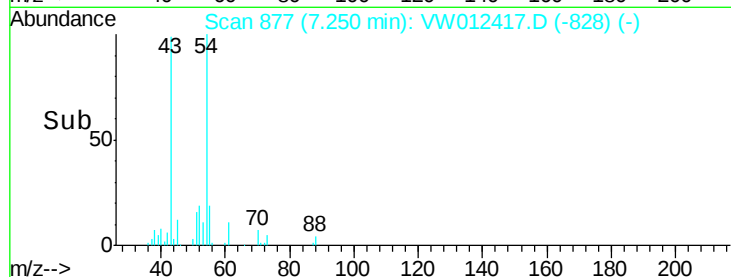
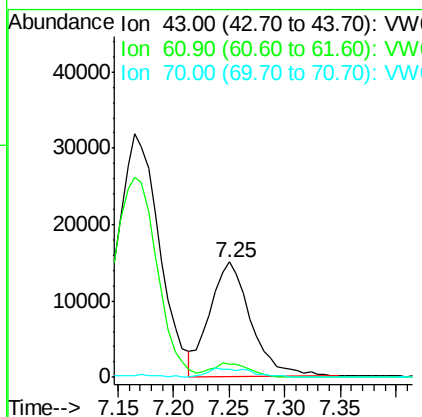
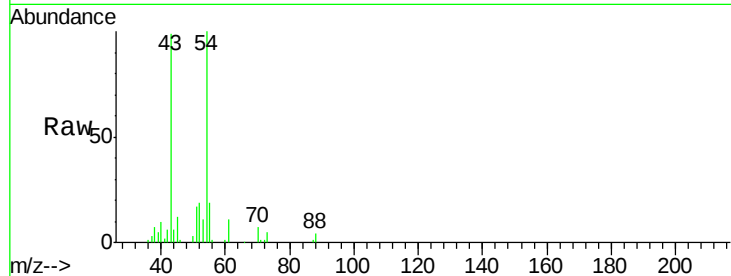
#37
Ethyl Acetate
Concen: 21.863 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW012417.D
Acq: 31 Aug 2019 23:44

Instrument :
MSVOA_W
ClientSampleId :
VW0831SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.7	9.2	13.8
70	8.4	6.9	10.3

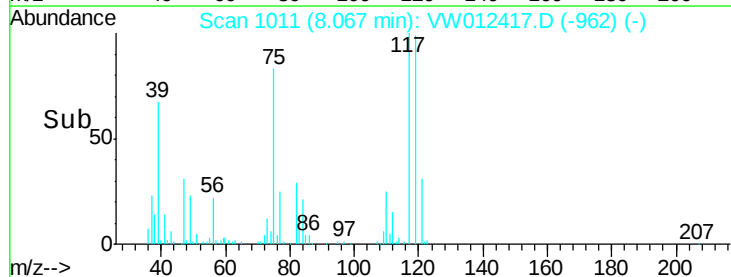
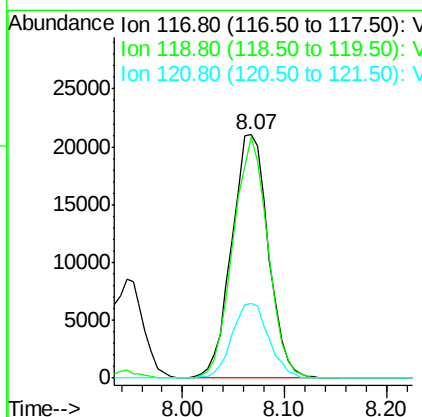
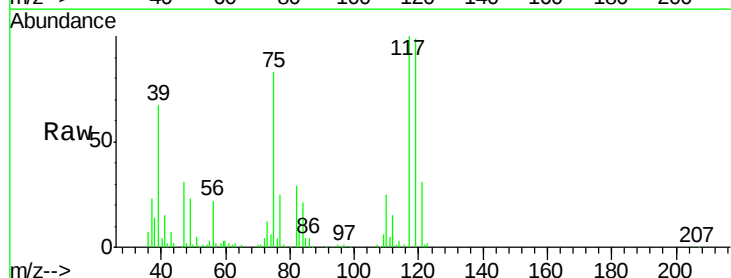
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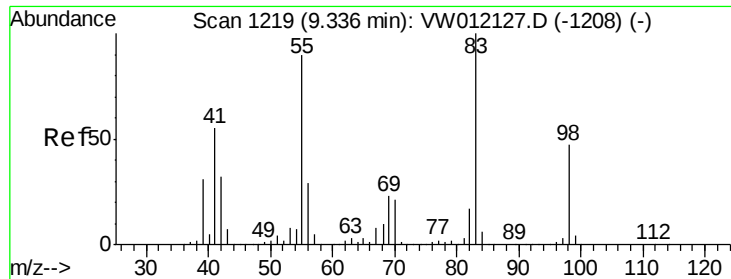
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#38
Carbon Tetrachloride
Concen: 19.037 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW012417.D
Acq: 31 Aug 2019 23:44

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.1	76.2	114.2
121	30.6	23.8	35.8





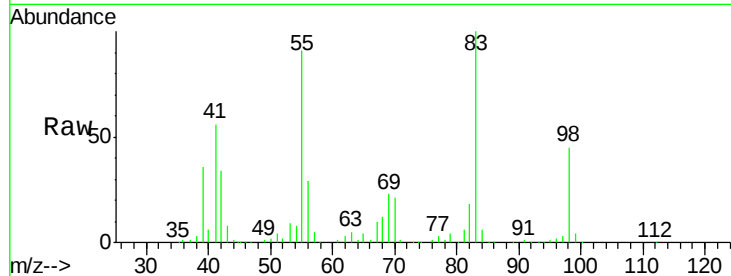
#39
Methvlcvclohexane
Concen: 15.968 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012417.D
Acq: 31 Aug 2019 23:44

Instrument :
MSVOA_W
ClientSampleId :
VW0831SBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	91.5	71.8	107.8
98	45.5	37.8	56.8

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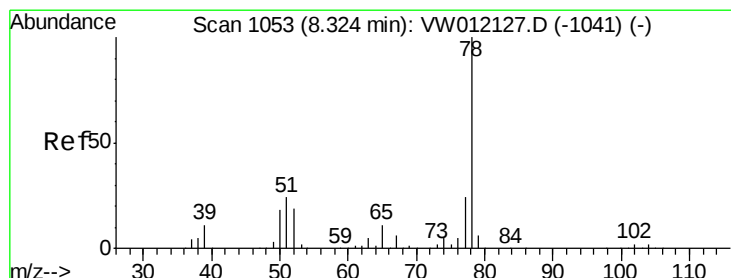
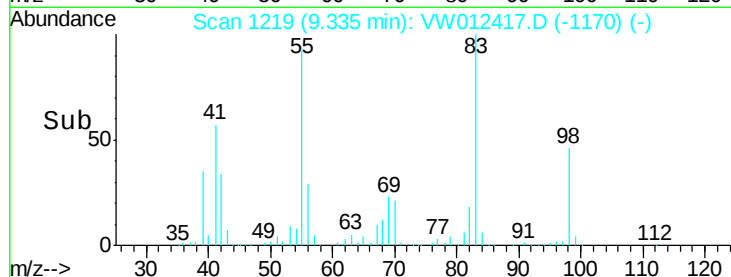
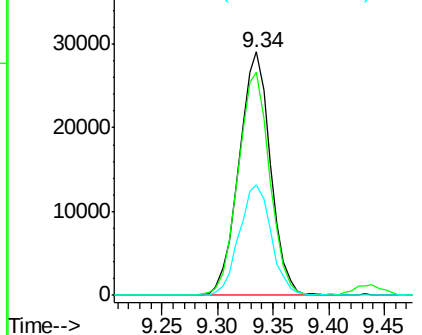


Abundance

Ion 83.00 (82.70 to 83.70): VW

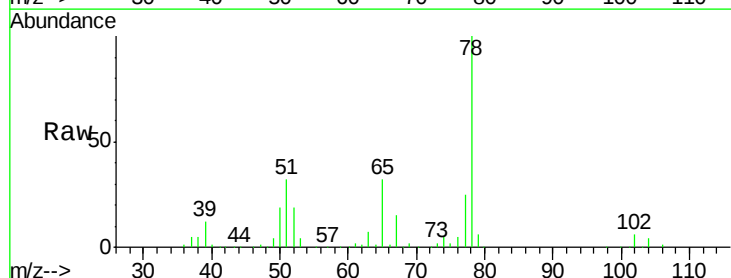
Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW



#40
Benzene
Concen: 19.209 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW012417.D
Acq: 31 Aug 2019 23:44

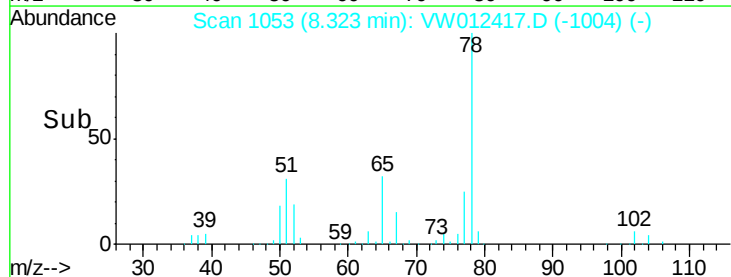
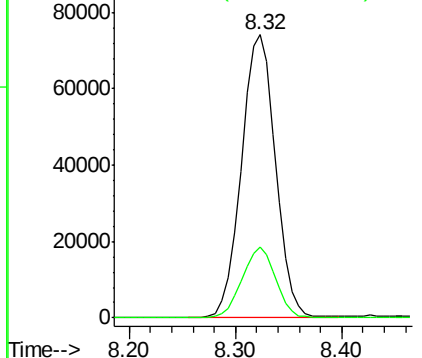
Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.2	19.5	29.3

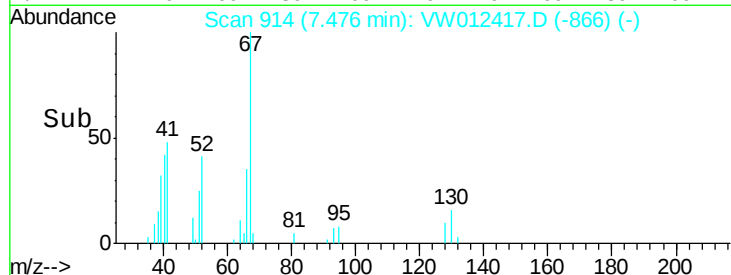
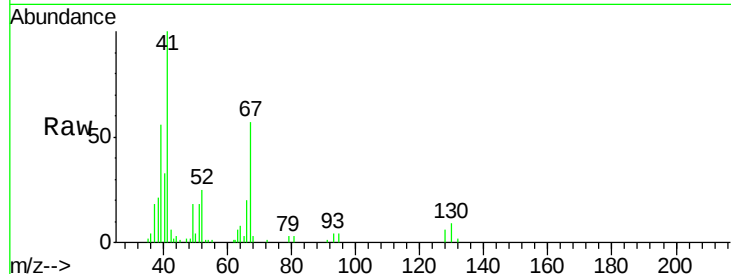
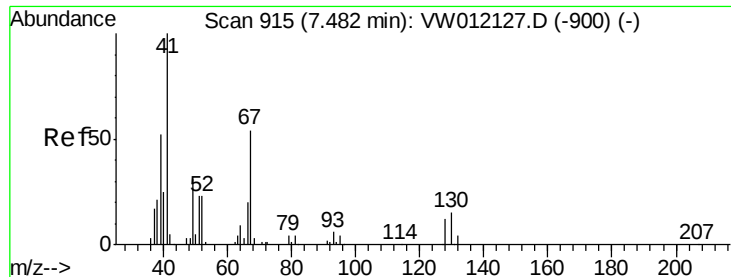


Abundance

Ion 78.00 (77.70 to 78.70): VW

Ion 77.00 (76.70 to 77.70): VW





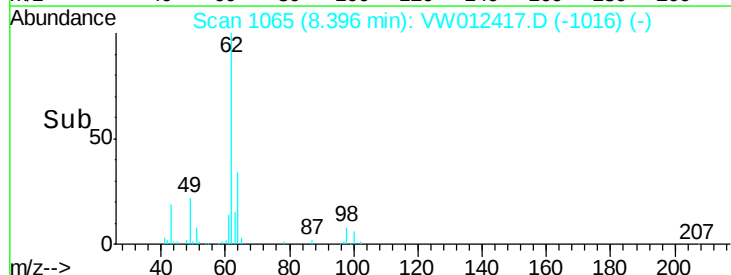
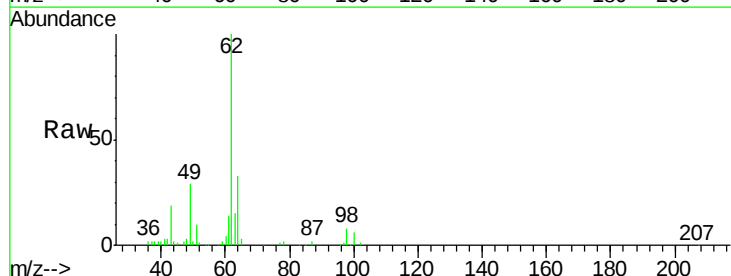
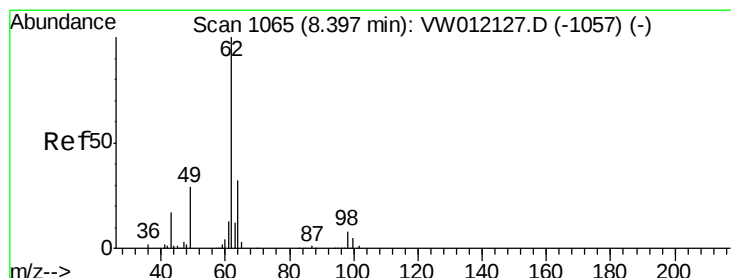
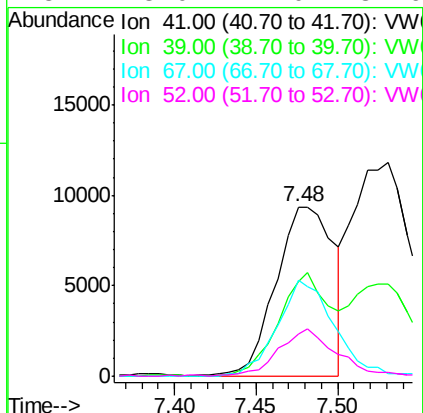
#41
Methacrylonitrile
Concen: 22.483 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW012417.D
Acq: 31 Aug 2019 23:44

Tot Ion	41	Resp	23048
Ion Ratio	Lower	Upper	
41	100		
39	54.3	45.8	68.8
67	56.3	46.2	69.4
52	28.0	21.0	31.6

Instrument :
MSVOA_W
ClientSampleId :
VW0831SBS02

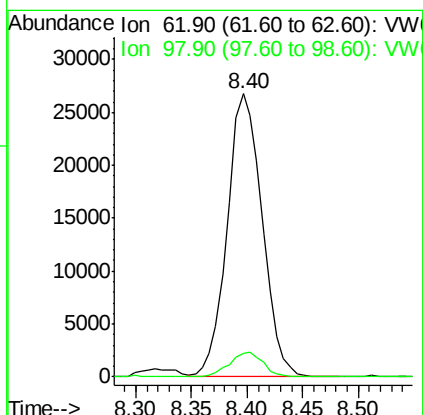
Manual Integrations
APPROVED

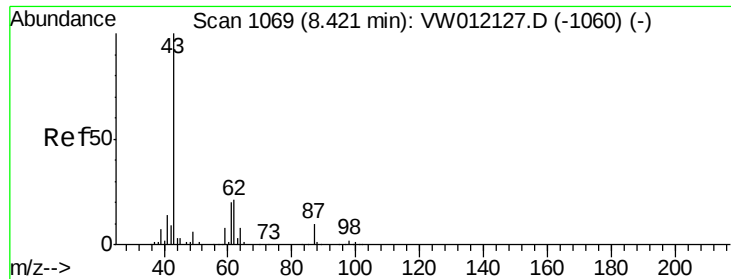
MMDadoda
9/3/2019 2:42:04 AM



#42
1,2-Dichloroethane
Concen: 21.438 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW012417.D
Acq: 31 Aug 2019 23:44

Tgt Ion	62	Resp	58397
Ion Ratio	Lower	Upper	
62	100		
98	8.4	0.0	16.6





#43

Isopropyl Acetate

Concen: 21.545 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW012417.D

Acq: 31 Aug 2019 23:44

Instrument :

MSVOA_W

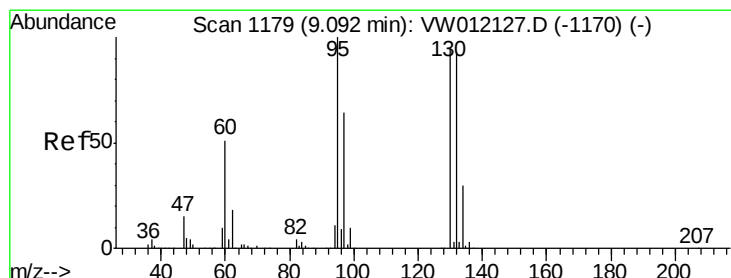
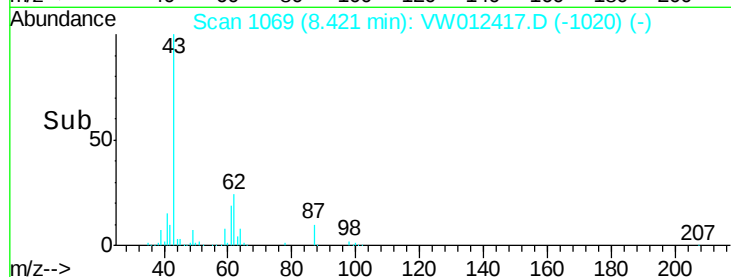
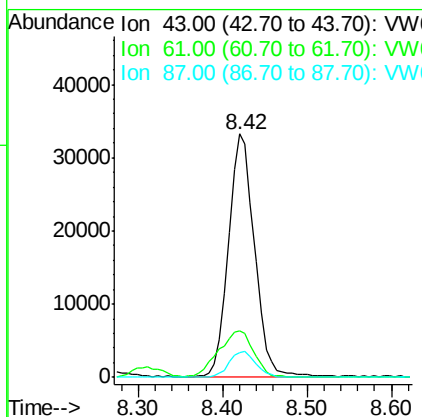
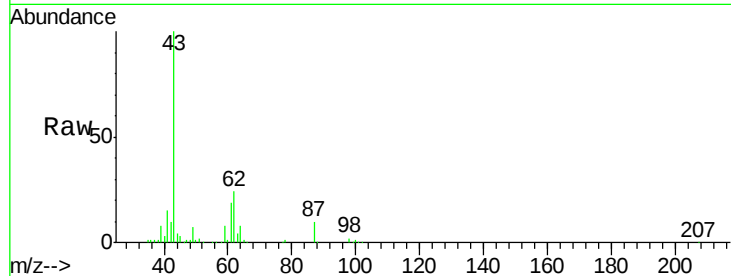
ClientSampleId :

VW0831SBS02

Tot Ion:	43	Resp:	69611
Ion	Ratio	Lower	Upper
43	100		
61	25.5	21.1	31.7
87	10.9	8.2	12.2

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#44

Trichloroethene

Concen: 19.142 ug/l

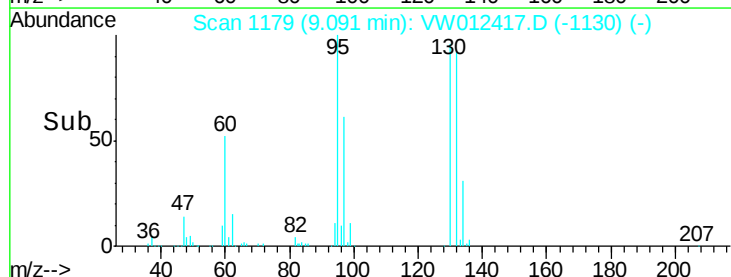
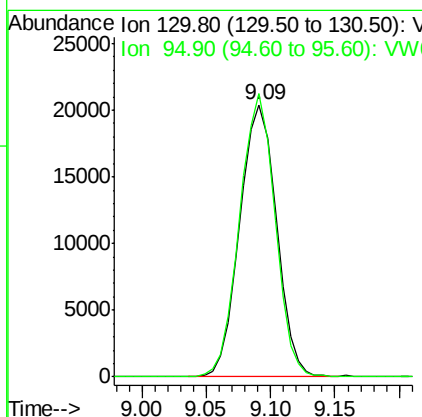
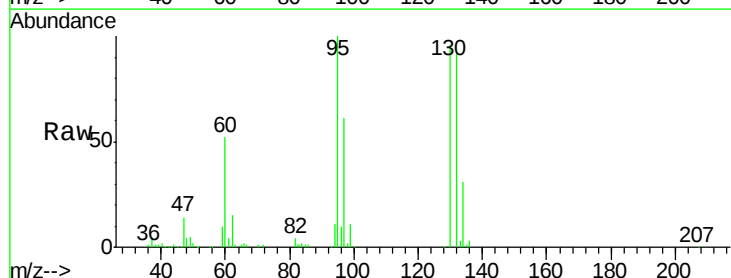
RT: 9.09 min Scan# 1179

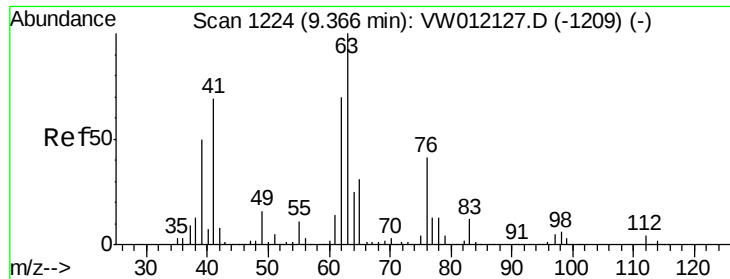
Delta R.T. -0.00 min

Lab File: VW012417.D

Acq: 31 Aug 2019 23:44

Tgt Ion:	130	Resp:	40445
Ion	Ratio	Lower	Upper
130	100		
95	104.0	0.0	210.6





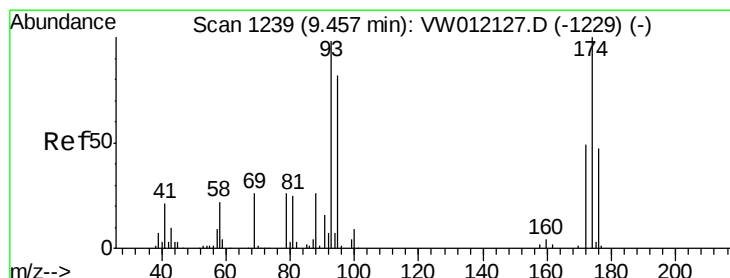
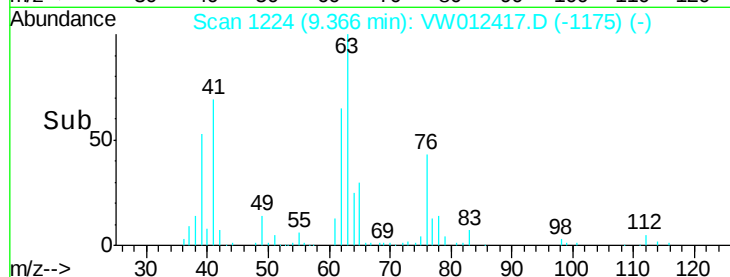
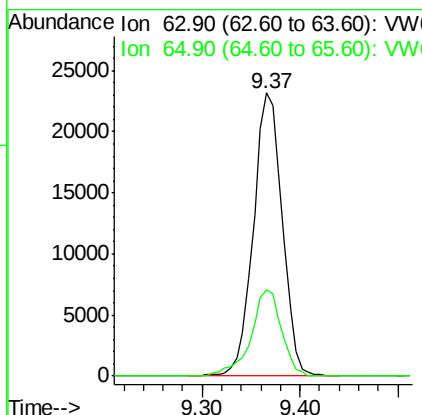
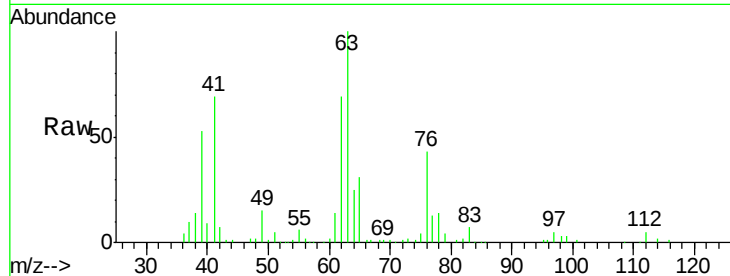
#45
 1,2-Dichloropropane
 Concen: 20.320 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW012417.D
 Acq: 31 Aug 2019 23:44

Instrument :
 MSVOA_W
 ClientSampled :
 VW0831SBS02

Tot Ion: 63 Resp: 47531
 Ion Ratio Lower Upper
 63 100
 65 30.7 25.0 37.4

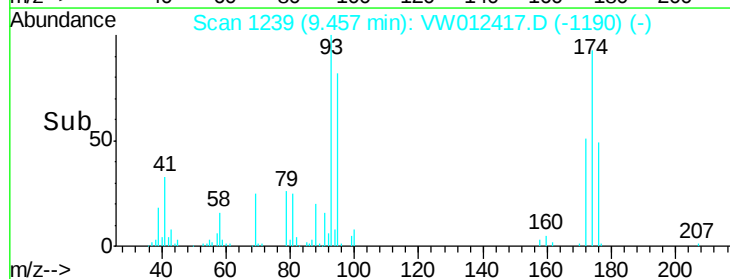
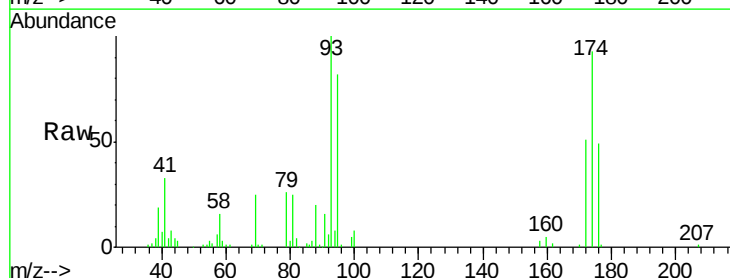
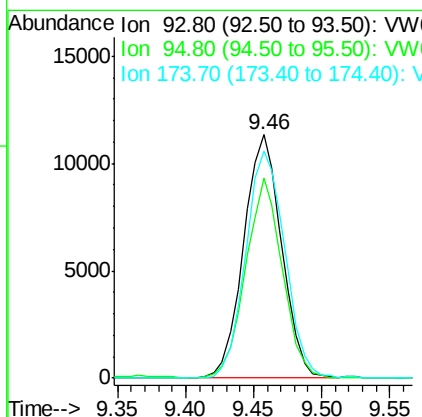
Manual Integrations
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#46
 Dibromomethane
 Concen: 21.254 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW012417.D
 Acq: 31 Aug 2019 23:44

Tgt Ion: 93 Resp: 22120
 Ion Ratio Lower Upper
 93 100
 95 79.4 67.2 100.8
 174 96.2 79.0 118.6





#47

Bromodichloromethane

Concen: 20.485 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW012417.D

Acq: 31 Aug 2019 23:44

Instrument :

MSVOA_W

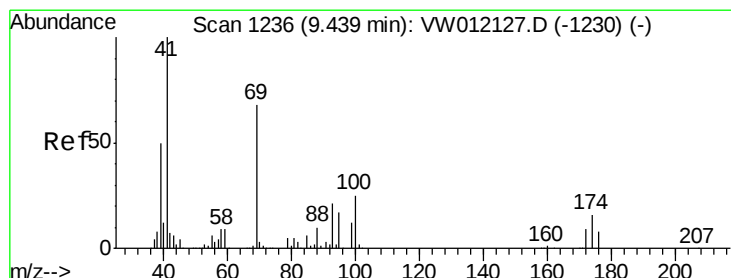
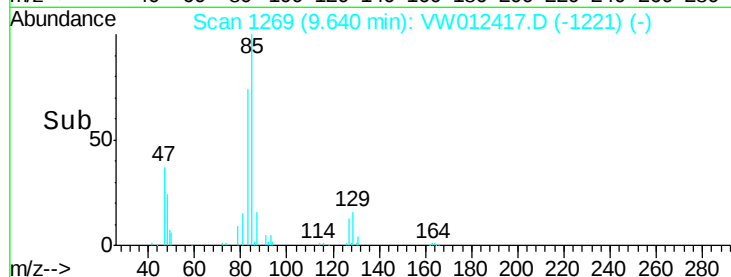
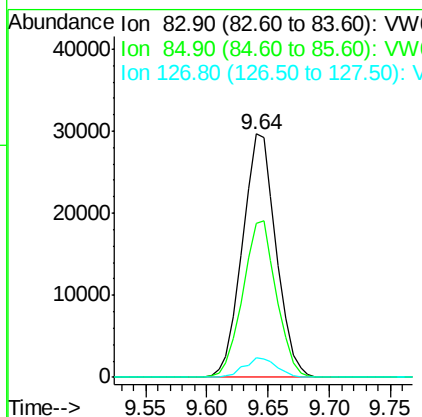
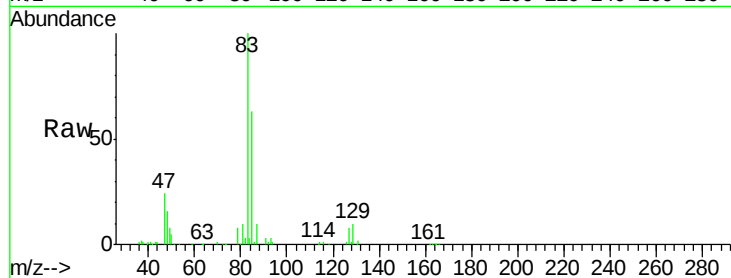
ClientSampleId :

VW0831SBS02

Tot Ion:	83	Resp:	56740
Ion	Ratio	Lower	Upper
83	100		
85	63.4	49.4	74.2
127	8.2	6.1	9.1

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#48

Methyl methacrylate

Concen: 21.503 ug/l

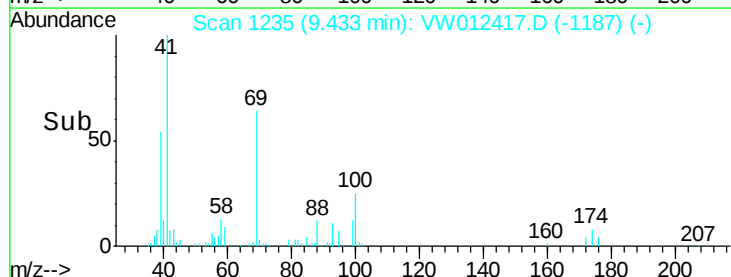
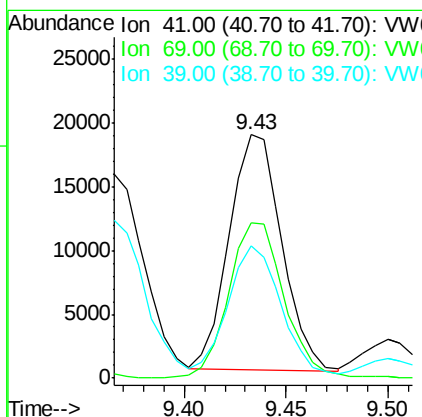
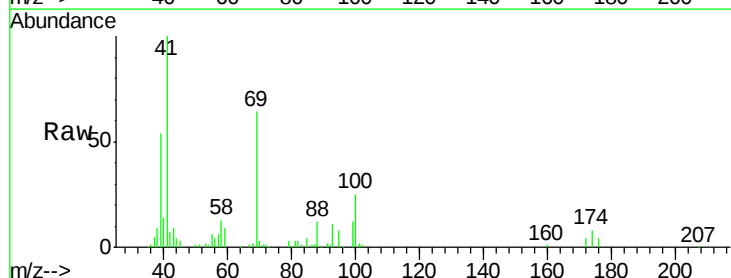
RT: 9.43 min Scan# 1235

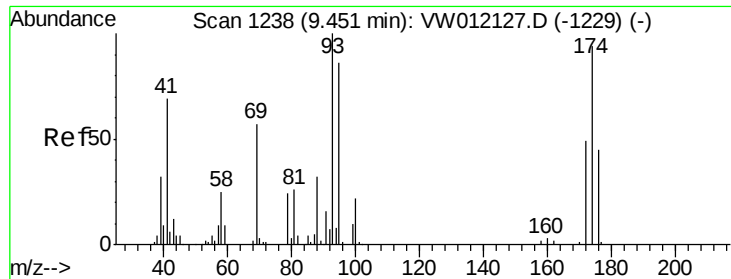
Delta R.T. -0.01 min

Lab File: VW012417.D

Acq: 31 Aug 2019 23:44

Tgt Ion:	41	Resp:	33066
Ion	Ratio	Lower	Upper
41	100		
69	70.2	56.7	85.1
39	57.7	42.0	63.0





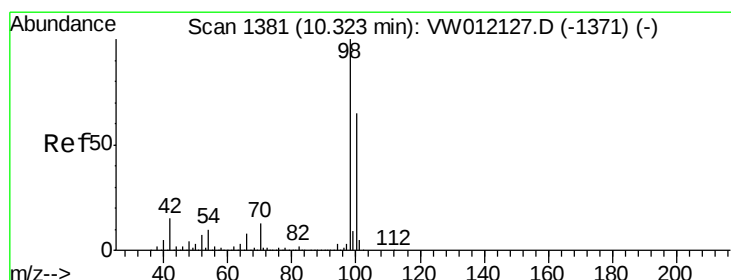
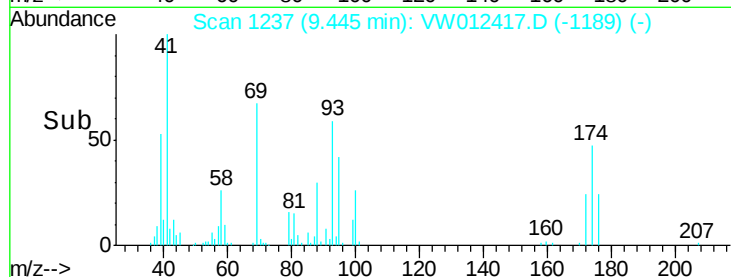
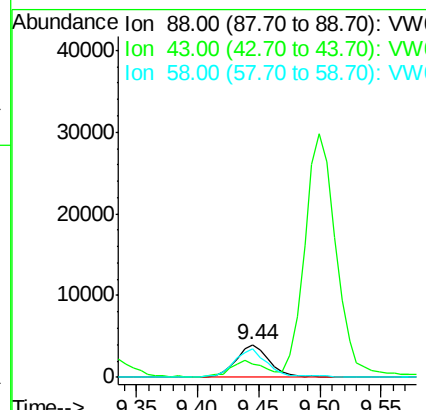
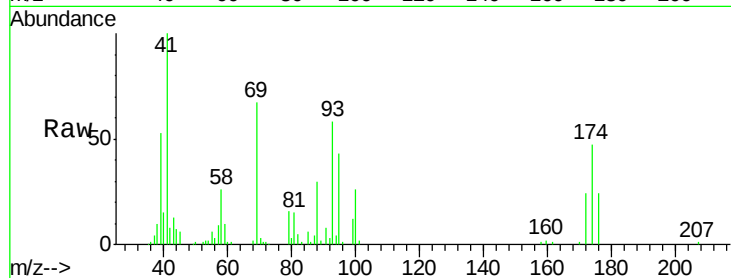
#49
1,4-Dioxane
Concen: 468.096 ug/l
RT: 9.44 min Scan# 1237
Delta R.T. -0.01 min
Lab File: VW012417.D
Acq: 31 Aug 2019 23:44

Instrument :
MSVOA_W
ClientSampleId :
VW0831SBS02

Tot Ion	88	Resp	7458
Ion	Ratio	Lower	Upper
88	100		
43	48.7	32.9	49.3
58	91.7	71.0	106.4

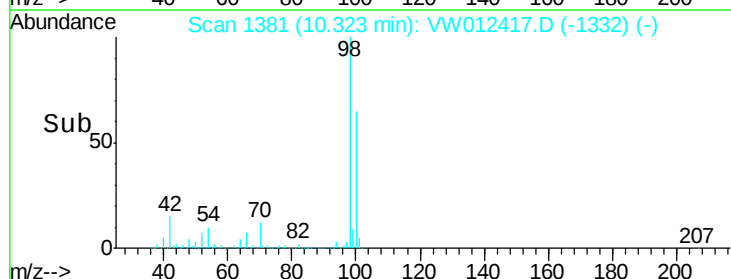
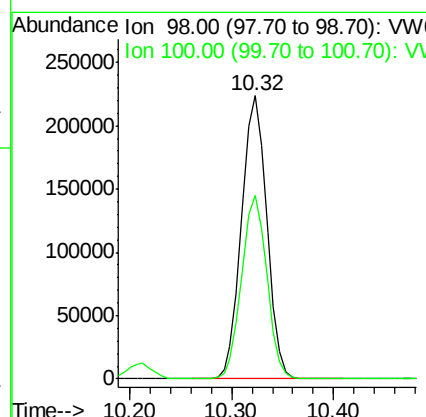
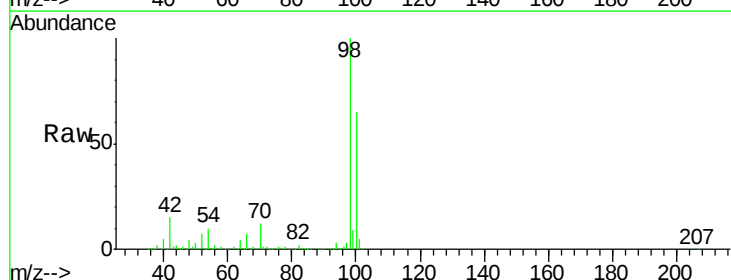
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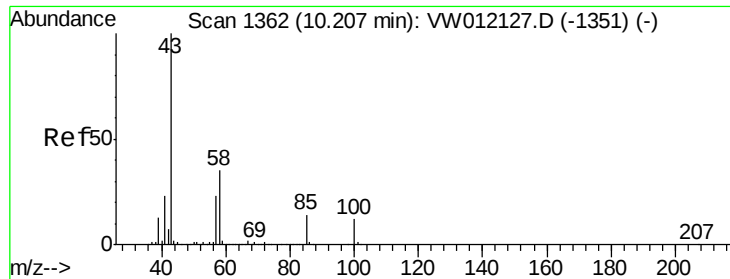
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#50
Toluene-d8
Concen: 51.450 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012417.D
Acq: 31 Aug 2019 23:44

Tgt Ion	98	Resp	383555
Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.4	78.6





#51

4-Methyl-2-Pentanone

Concen: 113.284 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW012417.D

Acq: 31 Aug 2019 23:44

Instrument :

MSVOA_W

ClientSampleId :

VW0831SBS02

Tot Ion: 43 Resp: 186162

Ion Ratio Lower Upper

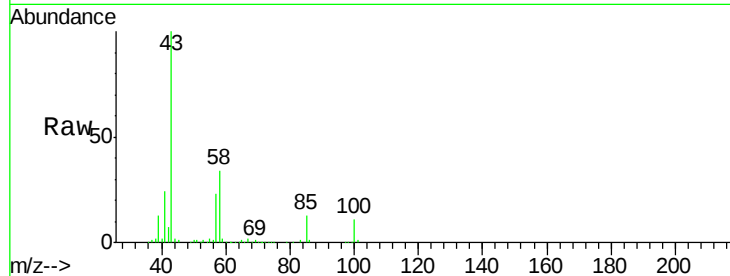
43 100

58 34.2 28.2 42.2

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.21

120000

100000

80000

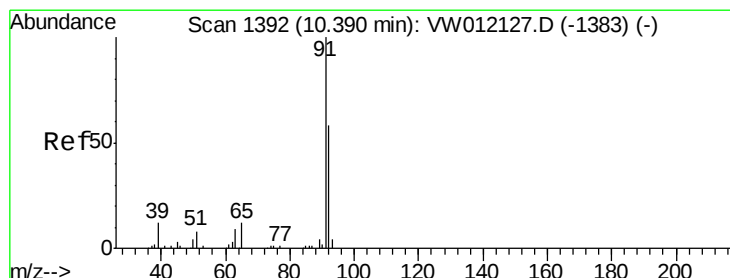
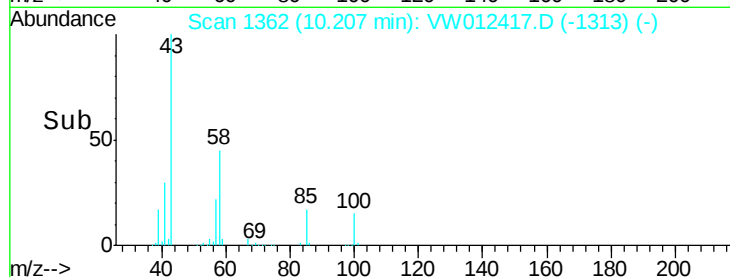
60000

40000

20000

0

Time-->



#52

Toluene

Concen: 19.129 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW012417.D

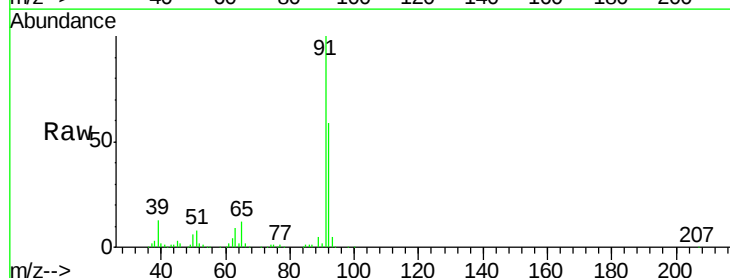
Acq: 31 Aug 2019 23:44

Tgt Ion: 92 Resp: 99879

Ion Ratio Lower Upper

92 100

91 174.9 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

10.39

100000

80000

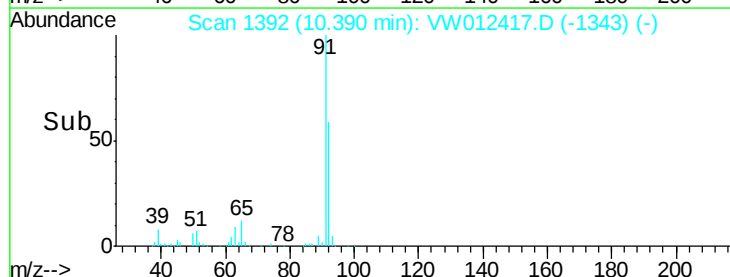
60000

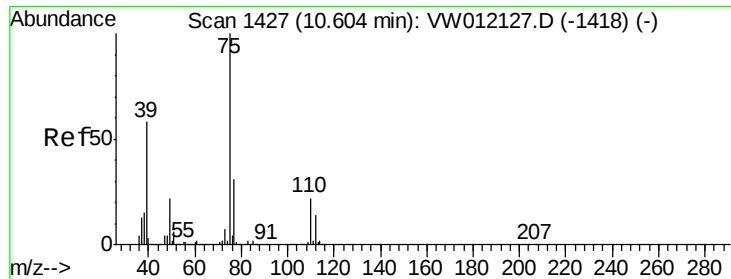
40000

20000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.692 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW012417.D

Acq: 31 Aug 2019 23:44

Instrument :

MSVOA_W

ClientSampleId :

VW0831SBS02

Tot Ion: 75 Resp: 55560

Ion Ratio Lower Upper

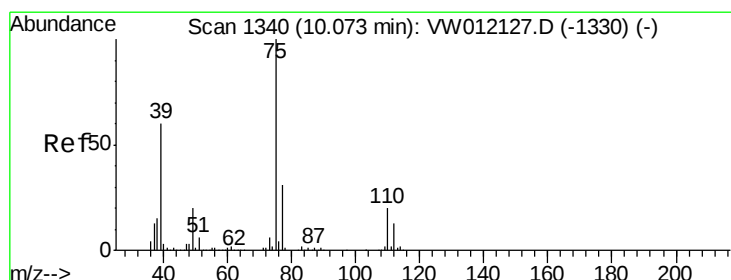
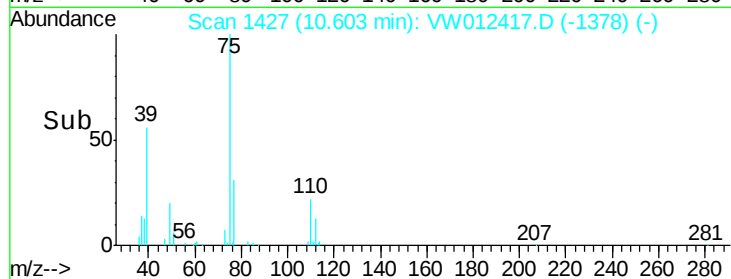
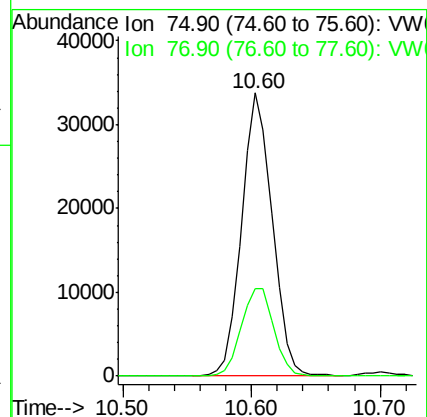
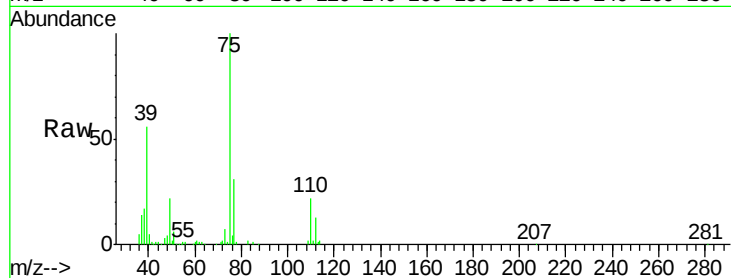
75 100

77 31.0 25.0 37.4

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#54

cis-1,3-Dichloropropene

Concen: 19.001 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW012417.D

Acq: 31 Aug 2019 23:44

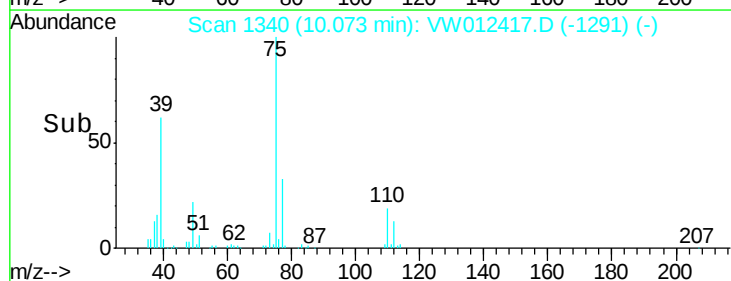
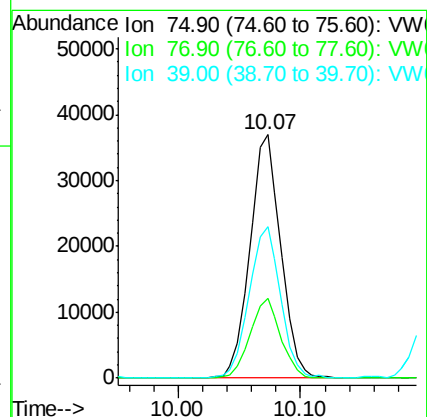
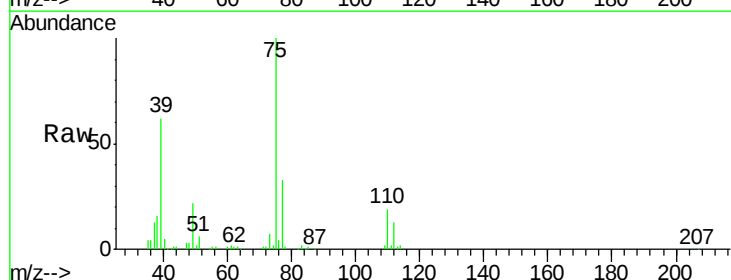
Tgt Ion: 75 Resp: 64731

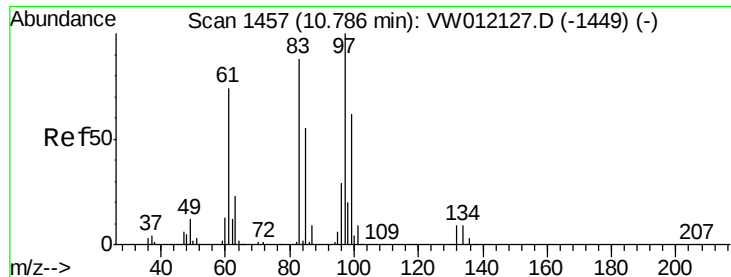
Ion Ratio Lower Upper

75 100

77 32.6 25.1 37.7

39 61.8 48.3 72.5





#55

1,1,2-Trichloroethane

Concen: 21.090 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW012417.D

Acq: 31 Aug 2019 23:44

Instrument :

MSVOA_W

ClientSampleId :

VW0831SBS02

Tot Ion: 97 Resp: 31056

Ion Ratio Lower Upper

97 100

83 89.3 70.8 106.2

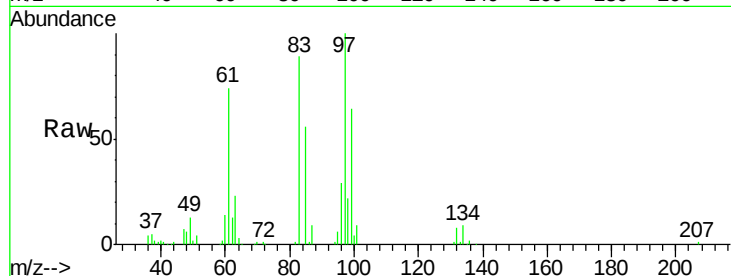
85 55.9 43.8 65.8

99 63.9 49.8 74.6

Manual Integrations
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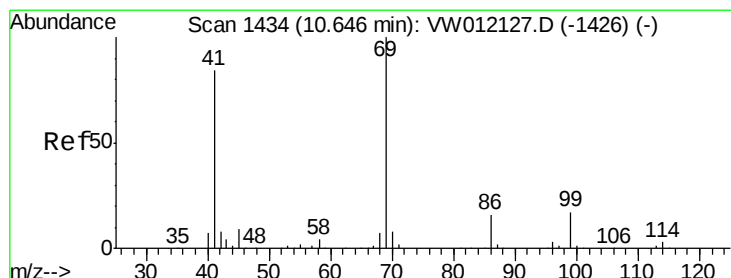
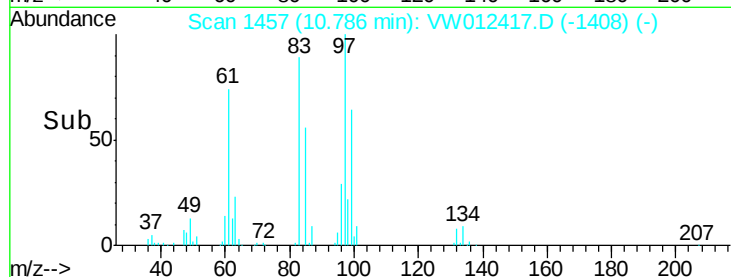
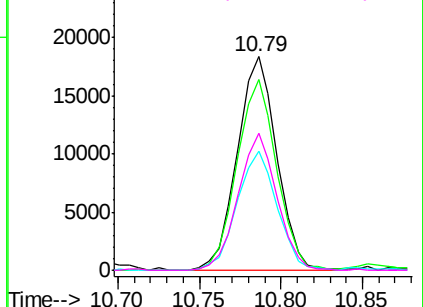


Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 21.077 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW012417.D

Acq: 31 Aug 2019 23:44

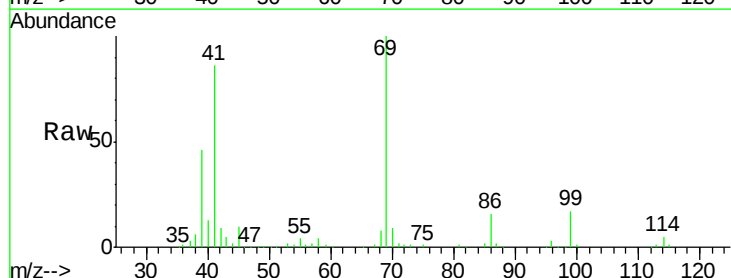
Tgt Ion: 69 Resp: 45170

Ion Ratio Lower Upper

69 100

41 82.4 66.5 99.7

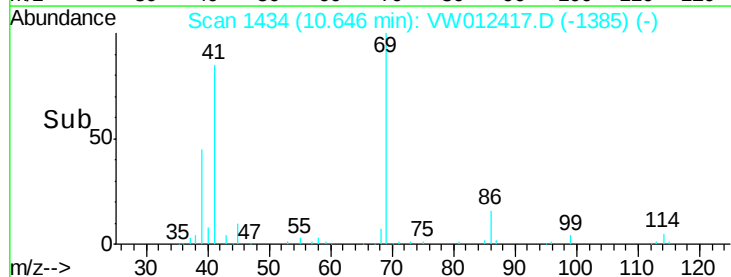
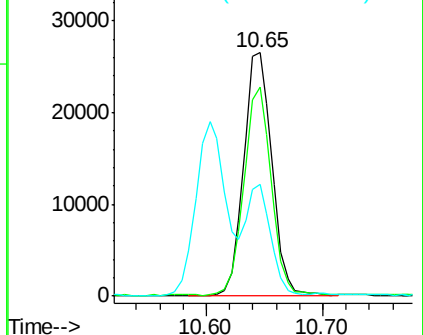
39 38.4 31.0 46.4



Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





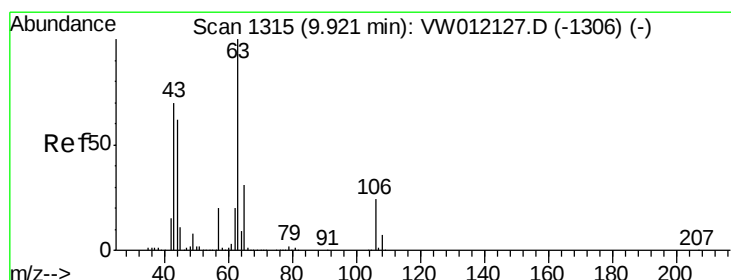
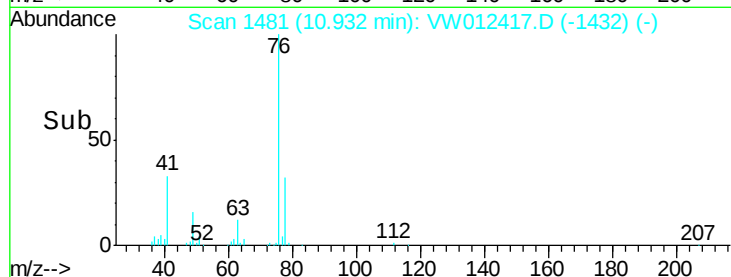
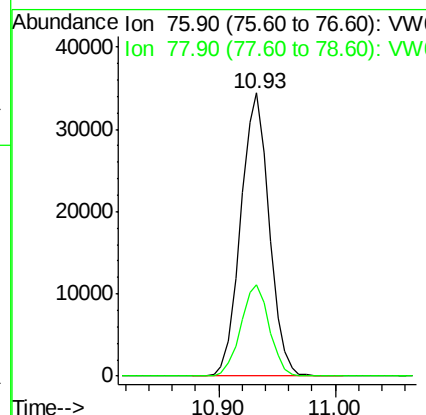
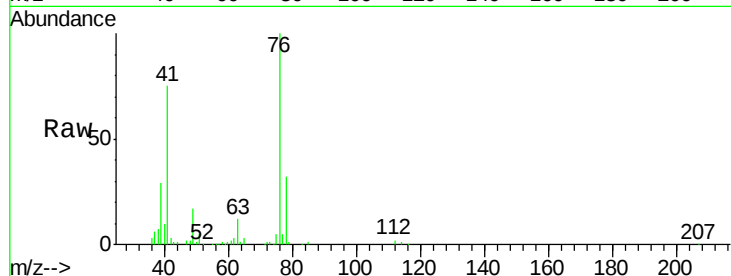
#57
 1,3-Dichloropropane
 Concen: 21.141 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW012417.D
 Acq: 31 Aug 2019 23:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0831SBS02

Tot Ion: 76 Resp: 58829
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.8 38.8

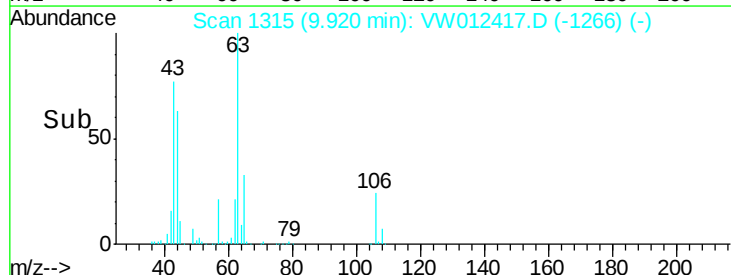
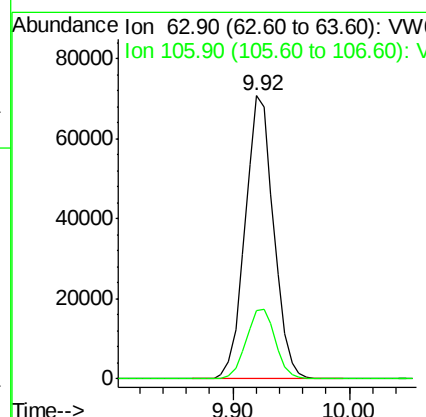
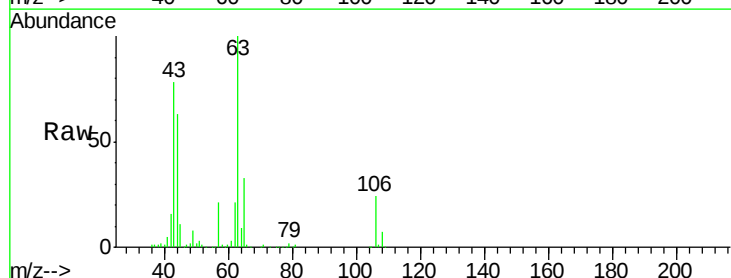
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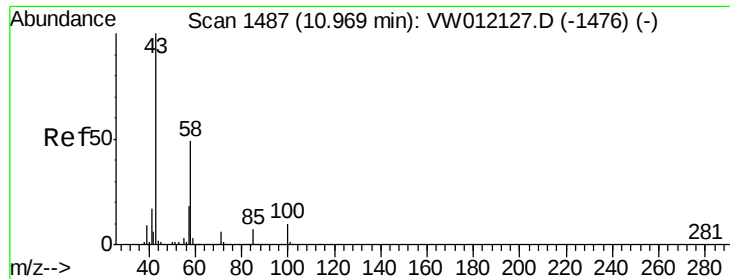
MMDadoda
 9/3/2019 2:42:04 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 109.989 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW012417.D
 Acq: 31 Aug 2019 23:44

Tgt Ion: 63 Resp: 120977
 Ion Ratio Lower Upper
 63 100
 106 25.3 19.8 29.8





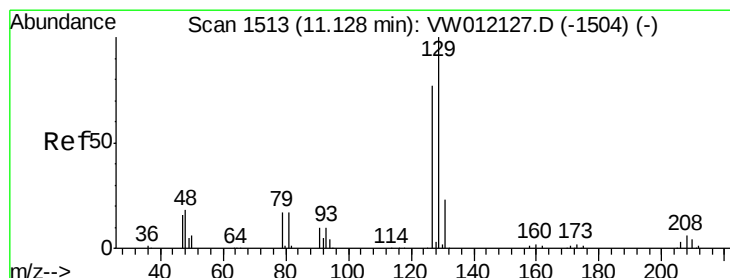
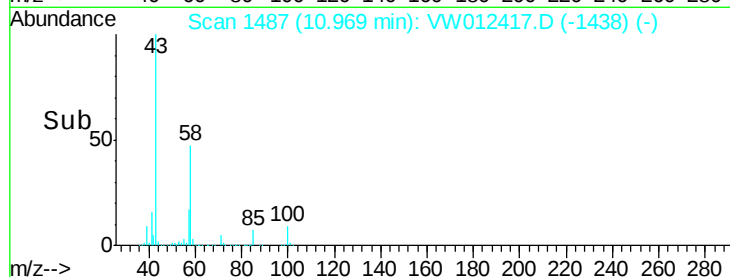
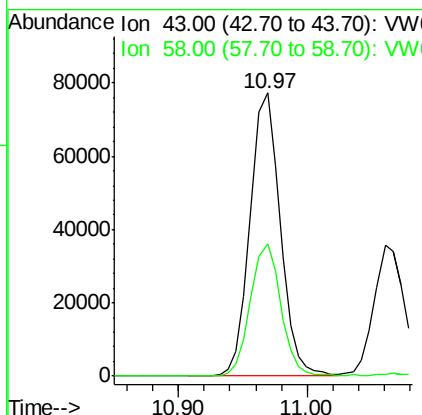
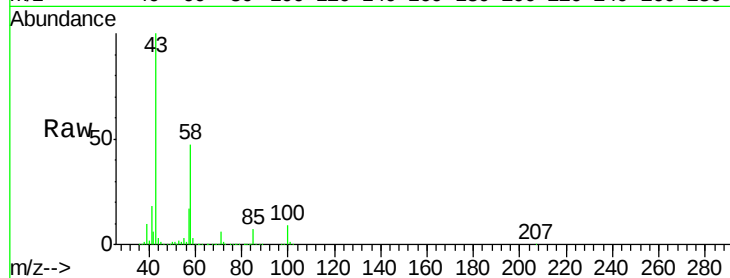
#59
2-Hexanone
Concen: 107.521 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012417.D
Acq: 31 Aug 2019 23:44

Instrument :
MSVOA_W
ClientSampleId :
VW0831SBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
58	47.6	24.3	72.9

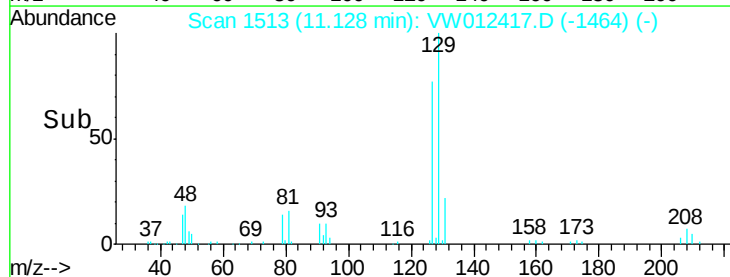
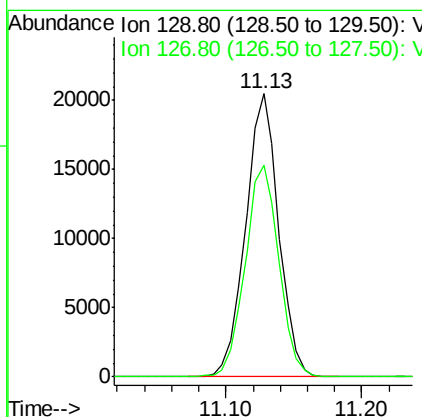
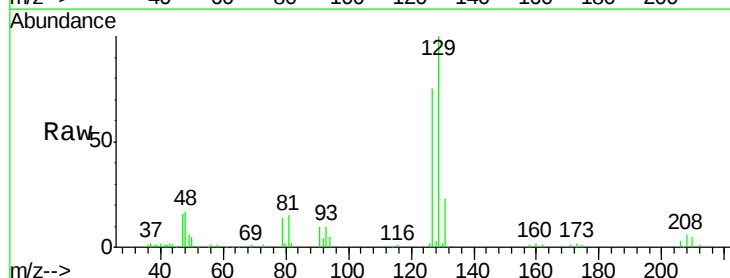
Manual Integrations
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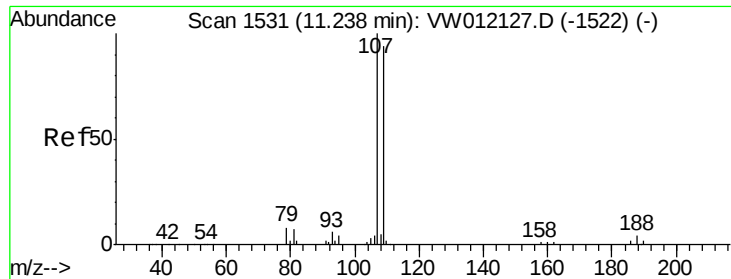
MMDadoda
9/3/2019 2:42:04 AM



#60
Dibromochloromethane
Concen: 21.210 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012417.D
Acq: 31 Aug 2019 23:44

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.2	38.6	115.8





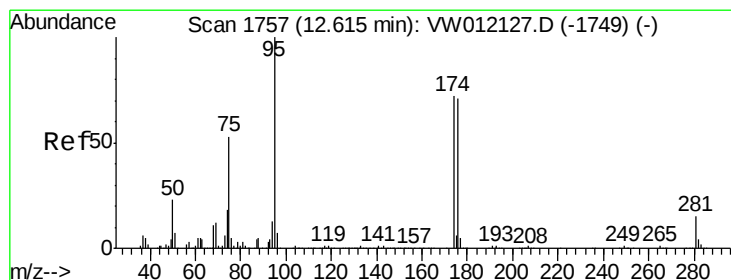
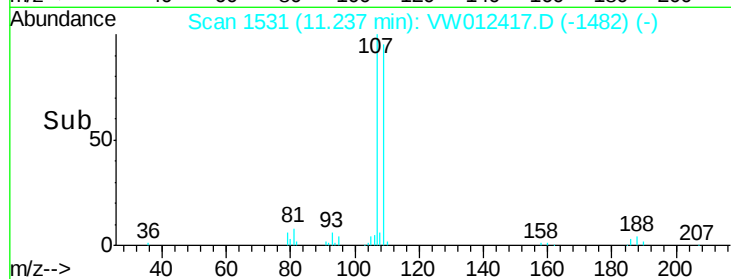
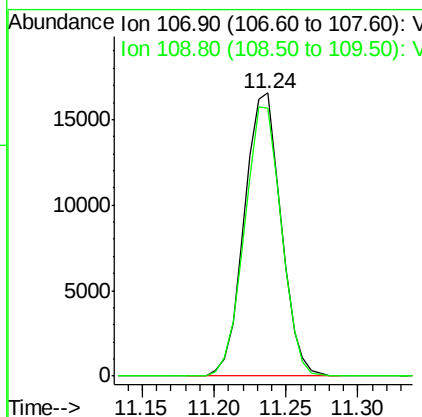
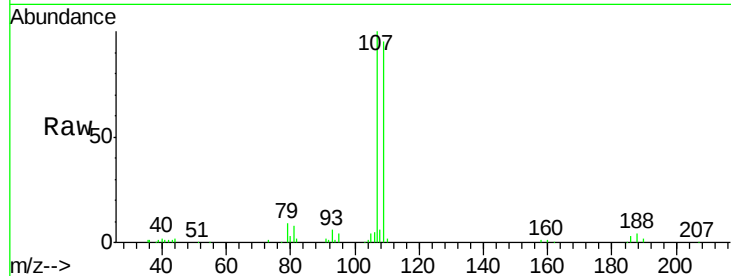
#61
 1,2-Dibromoethane
 Concen: 21.215 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW012417.D
 Acq: 31 Aug 2019 23:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0831SBS02

Tot Ion	Ratio	Resp	Lower	Upper
107	100	29104		
109	95.6	75.4	113.2	

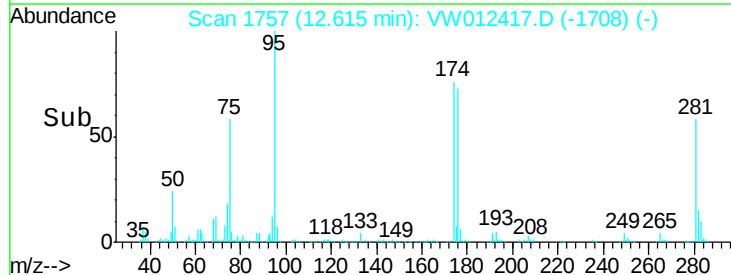
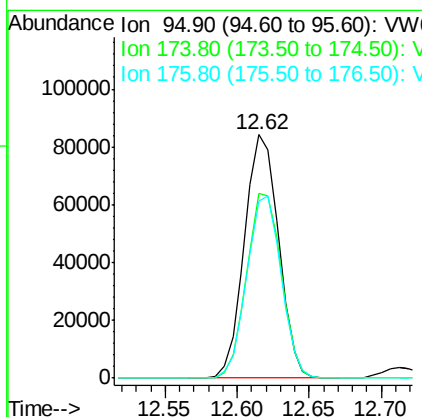
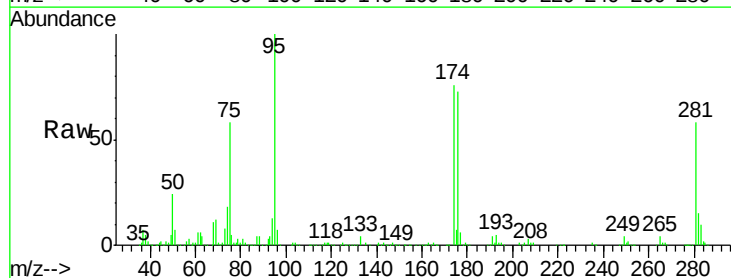
Manual Integrations
 APPROVED

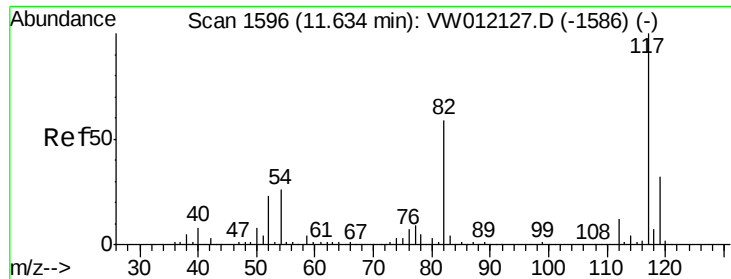
MMDadoda
 9/3/2019 2:42:04 AM



#62
 4-Bromofluorobenzene
 Concen: 52.685 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW012417.D
 Acq: 31 Aug 2019 23:44

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	138448		
174	76.9	0.0	150.8	
176	75.0	0.0	148.6	





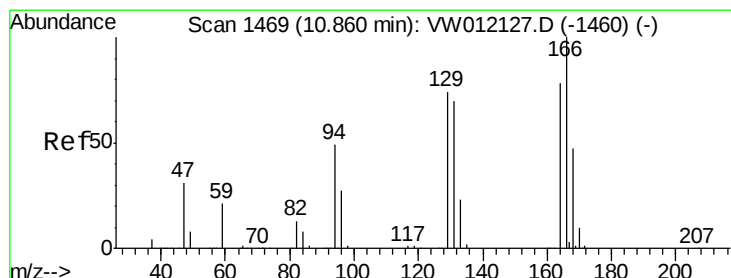
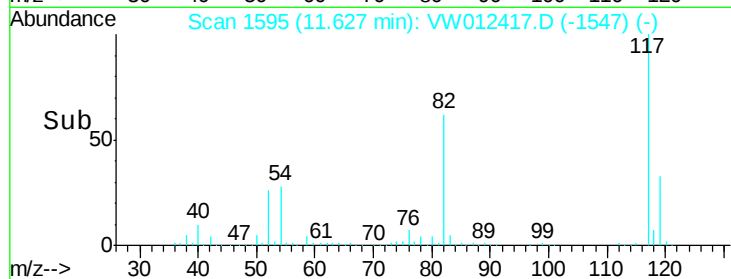
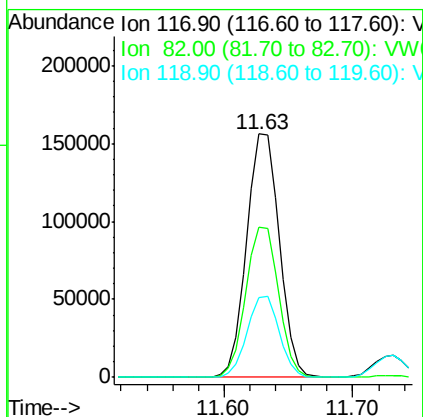
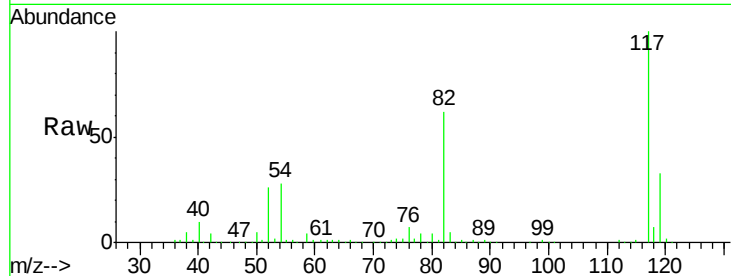
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012417.D
Acq: 31 Aug 2019 23:44

Instrument :
MSVOA_W
ClientSampleId :
VW0831SBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.8	47.4	71.2
119	32.7	25.4	38.2

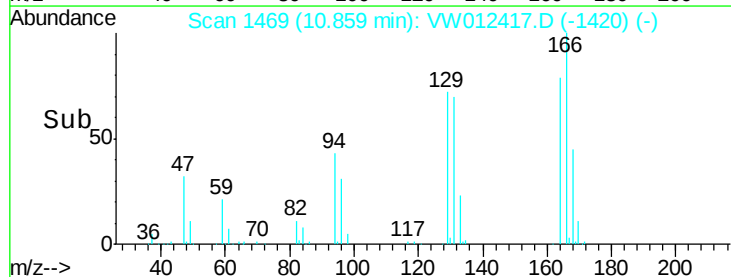
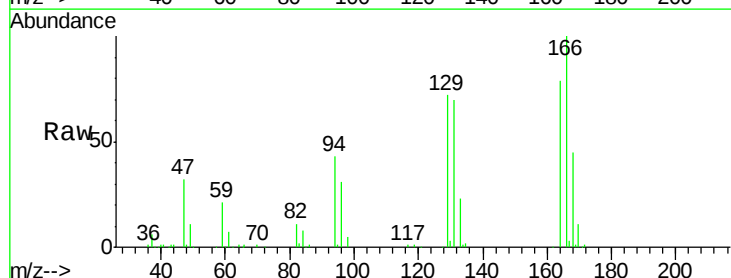
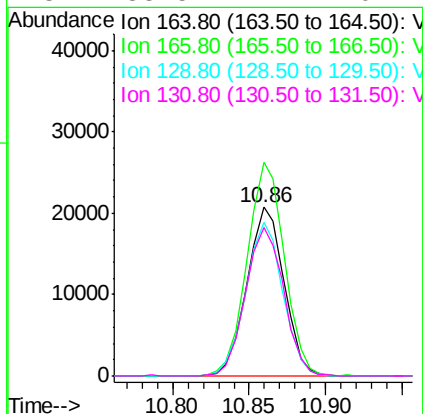
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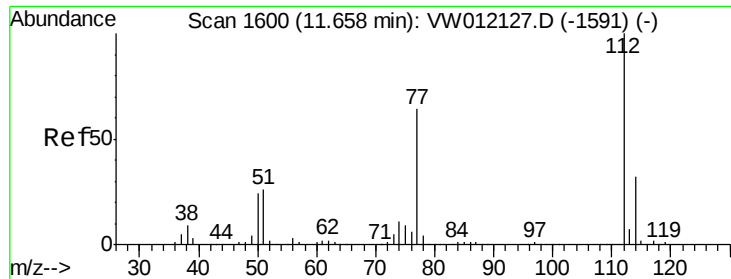
MMDadoda
9/3/2019 2:42:04 AM



#64
Tetrachloroethene
Concen: 19.716 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012417.D
Acq: 31 Aug 2019 23:44

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.9	102.4	153.6
129	91.5	75.8	113.6
131	88.5	71.4	107.2





#65

Chlorobenzene

Concen: 19.574 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW012417.D

Acq: 31 Aug 2019 23:44

Instrument :

MSVOA_W

ClientSampleId :

VW0831SBS02

Tot Ion:112 Resp: 105548

Ion Ratio Lower Upper

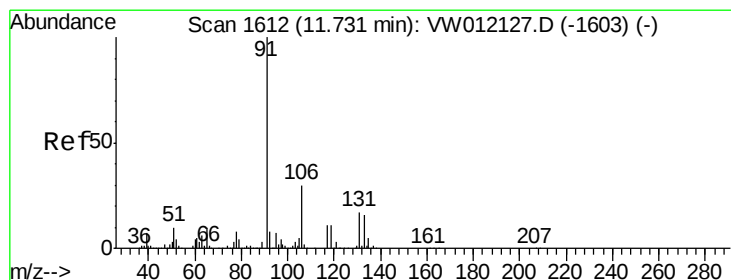
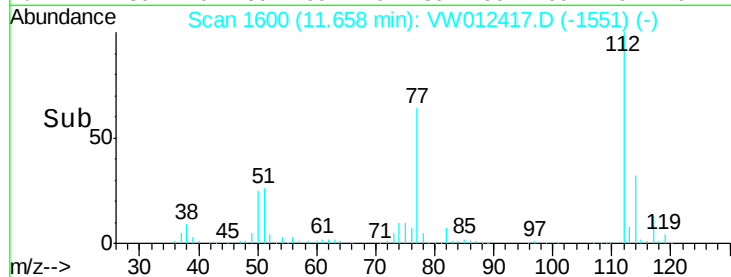
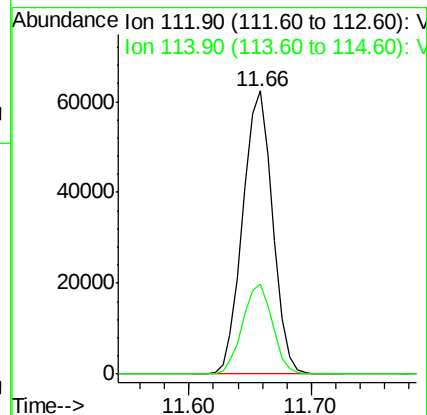
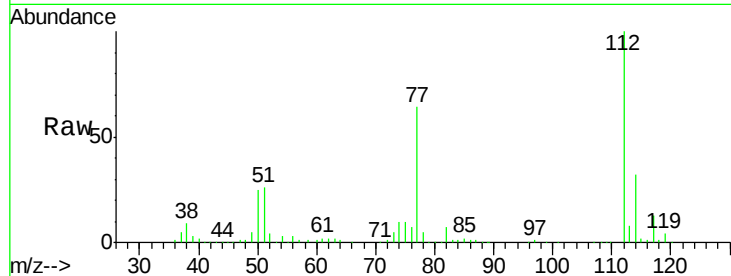
112 100

114 31.7 25.8 38.6

Manual Integrations
APPROVED

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#66

1,1,1,2-Tetrachloroethane

Concen: 20.057 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW012417.D

Acq: 31 Aug 2019 23:44

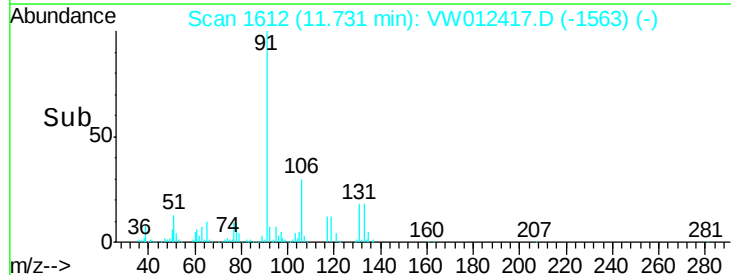
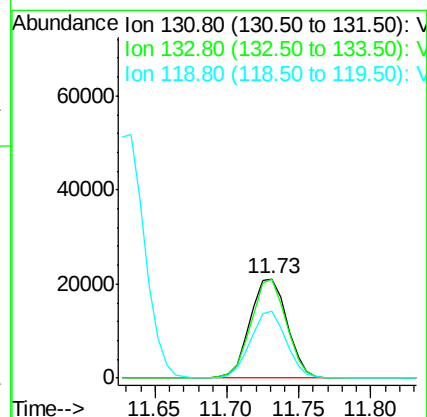
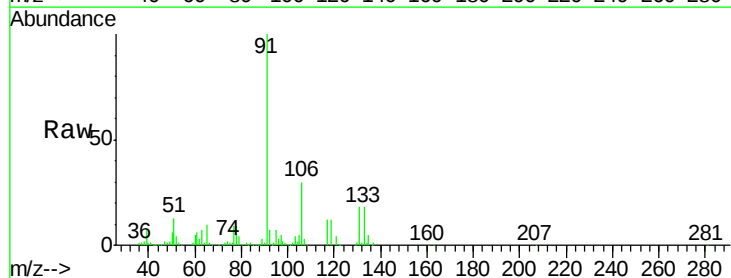
Tgt Ion:131 Resp: 37730

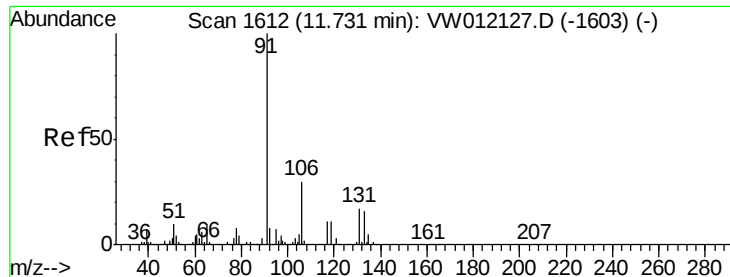
Ion Ratio Lower Upper

131 100

133 94.4 47.1 141.3

119 64.4 31.8 95.3





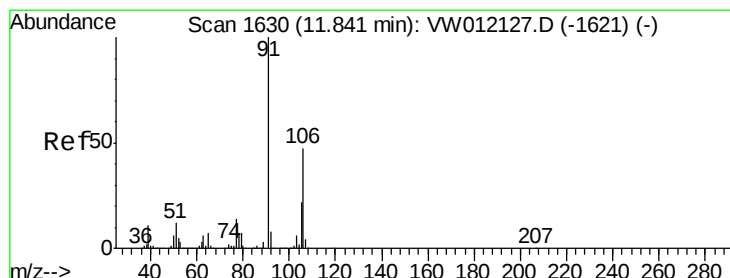
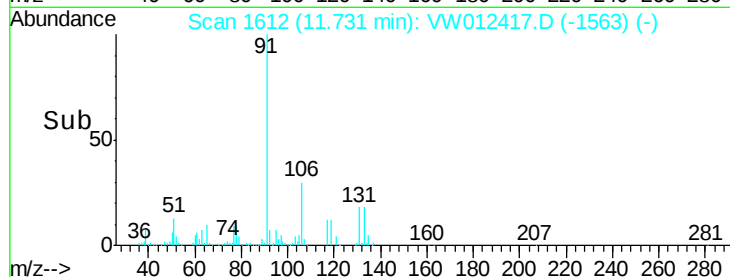
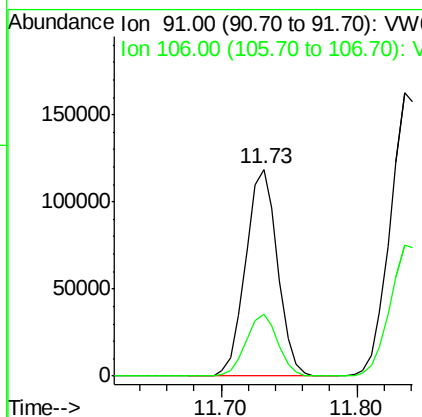
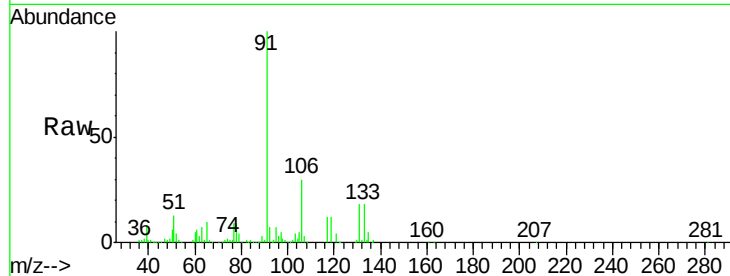
#67
Ethyl Benzene
Concen: 18.749 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012417.D
Acq: 31 Aug 2019 23:44

Instrument :
MSVOA_W
ClientSampleId :
VW0831SBS02

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
106	29.8	24.3	36.5	

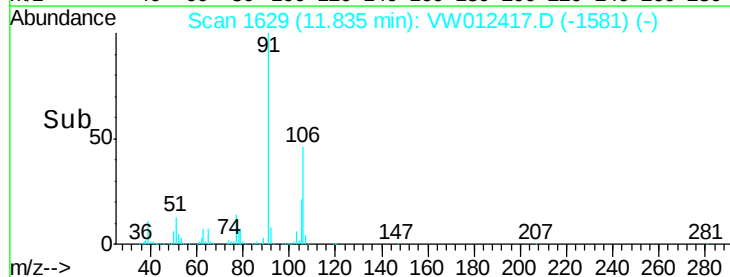
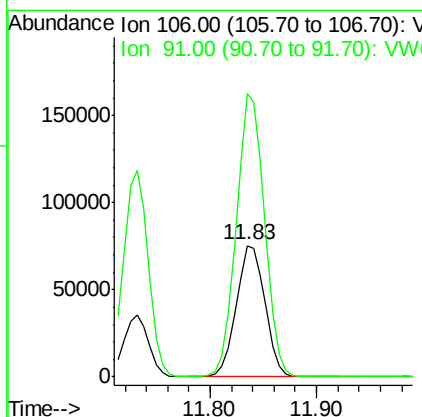
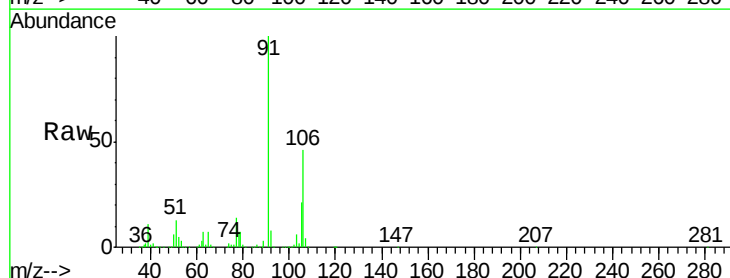
Manual Integrations
APPROVED

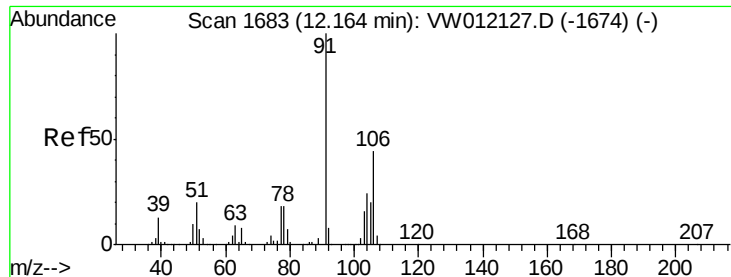
MMDadoda
9/3/2019 2:42:04 AM



#68
m/p-Xylenes
Concen: 37.963 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW012417.D
Acq: 31 Aug 2019 23:44

Tgt Ion	Ion	Ratio	Lower	Upper
106	100			
91	212.4	169.5	254.3	





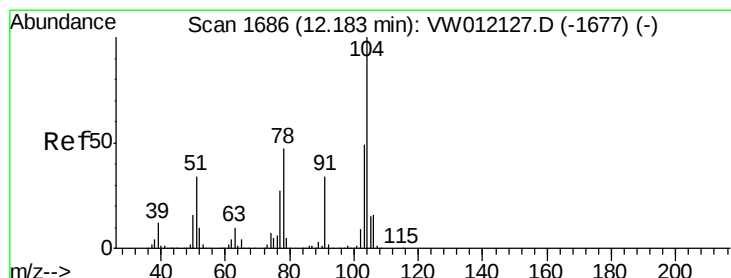
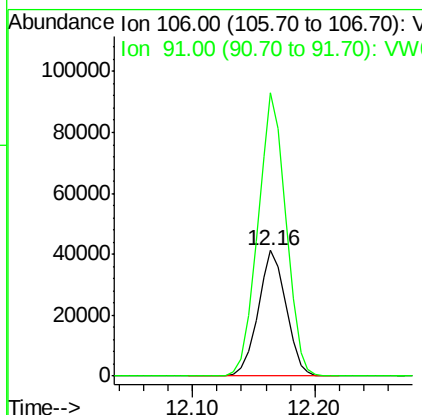
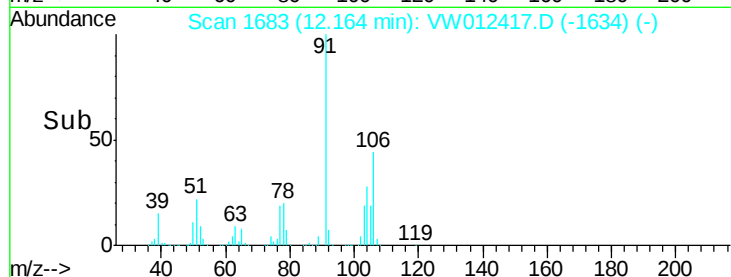
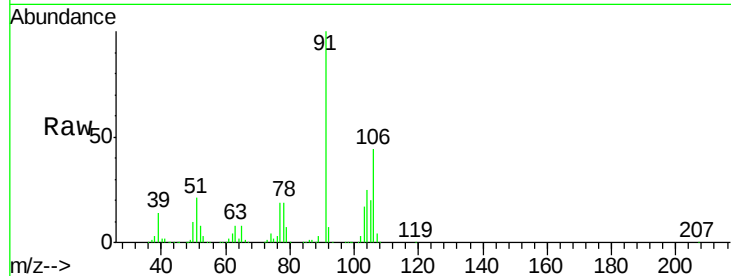
#69
o-Xylene
Concen: 19.000 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012417.D
Acq: 31 Aug 2019 23:44

Instrument :
MSVOA_W
ClientSampleId :
VW0831SBS02

Tot Ion:106 Resp: 65795
Ion Ratio Lower Upper
106 100
91 226.2 111.6 334.6

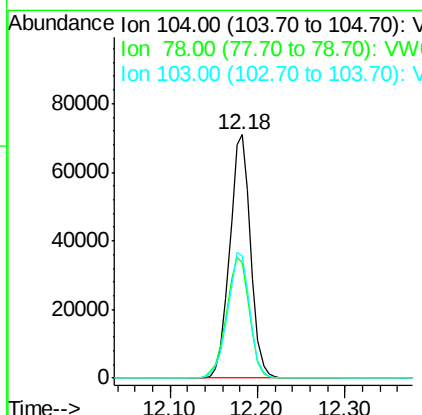
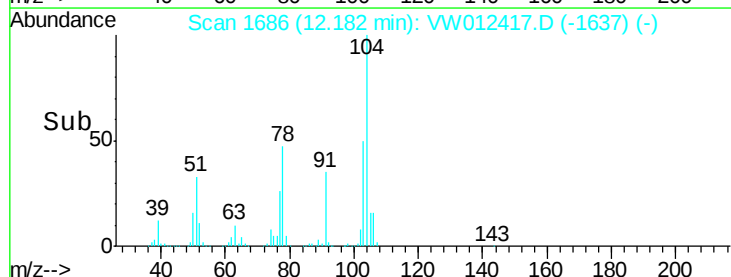
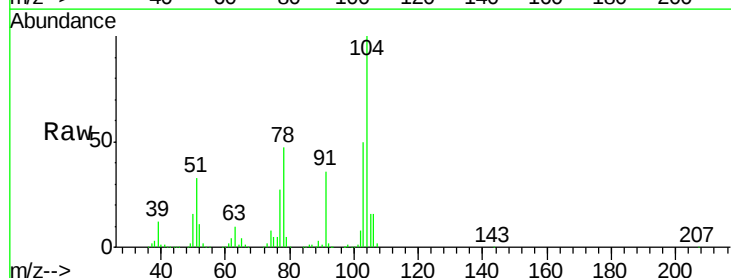
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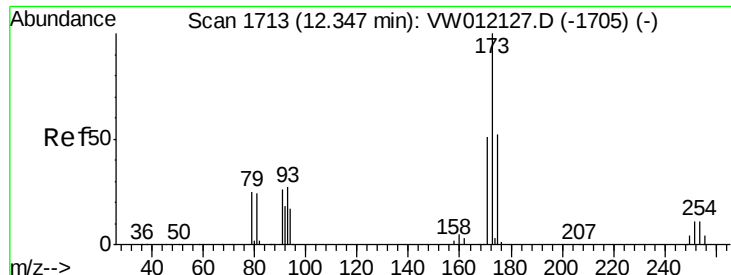
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#70
Styrene
Concen: 19.668 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW012417.D
Acq: 31 Aug 2019 23:44

Tgt Ion:104 Resp: 117890
Ion Ratio Lower Upper
104 100
78 54.2 43.1 64.7
103 54.7 43.5 65.3





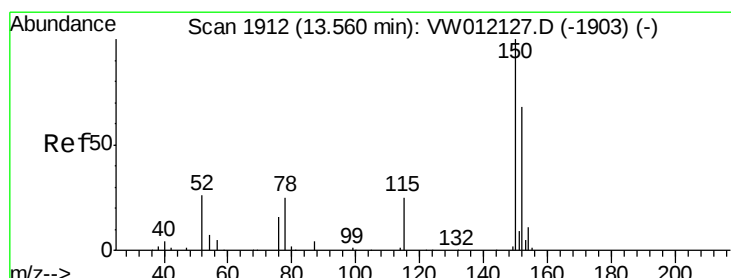
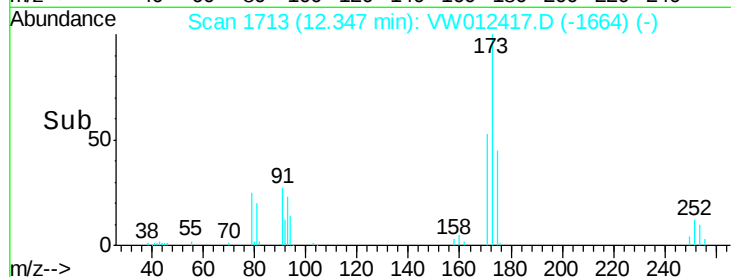
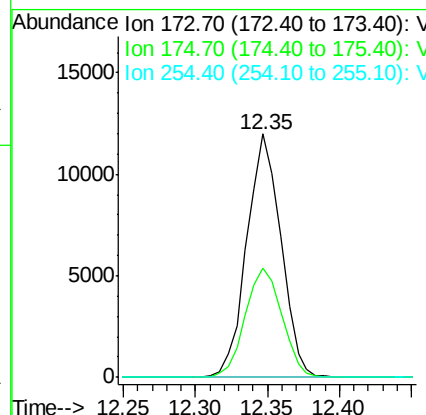
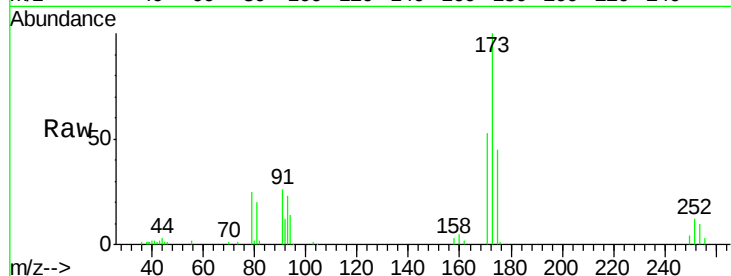
#71
Bromoform
Concen: 21.006 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW012417.D
Acq: 31 Aug 2019 23:44

Instrument :
MSVOA_W
ClientSampleId :
VW0831SBS02

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.9	24.6	74.0
254	0.0	0.2	0.2

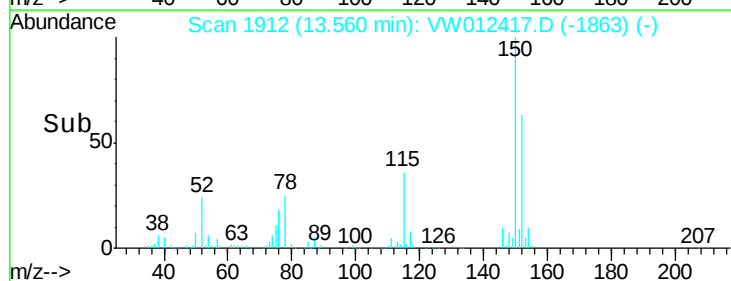
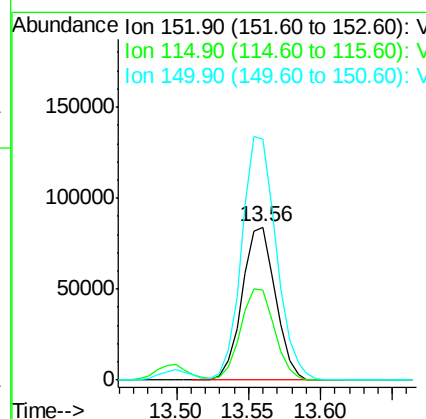
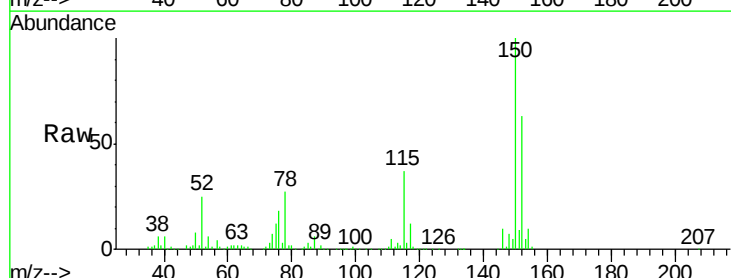
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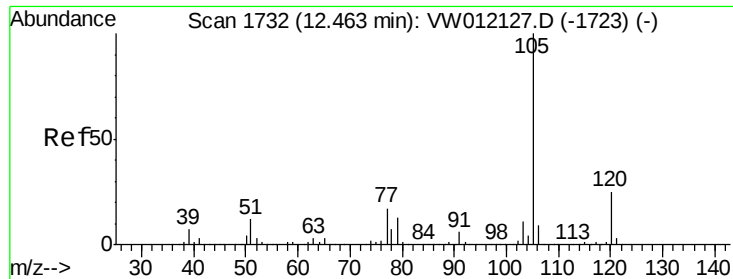
MMDadoda
9/3/2019 2:42:04 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012417.D
Acq: 31 Aug 2019 23:44

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.8	30.1	90.3
150	165.0	0.0	345.8





#73

Isopropylbenzene

Concen: 18.428 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW012417.D

Acq: 31 Aug 2019 23:44

Instrument :

MSVOA_W

ClientSampleId :

VW0831SBS02

Tot Ion:105 Resp: 186692

Ion Ratio Lower Upper

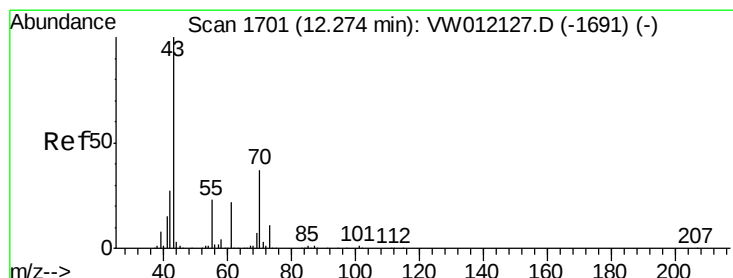
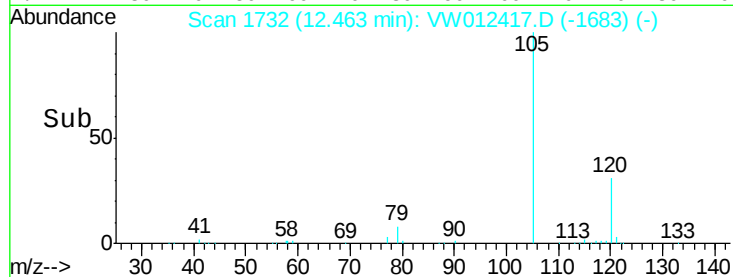
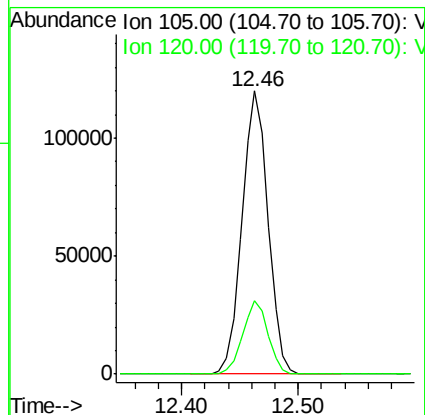
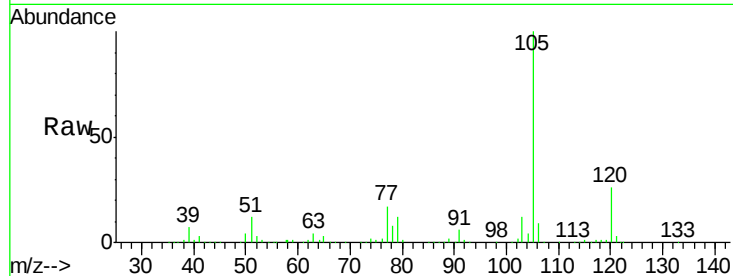
105 100

120 25.1 12.5 37.5

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#74

N-ethyl acetate

Concen: 20.076 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW012417.D

Acq: 31 Aug 2019 23:44

Tgt Ion: 43 Resp: 61449

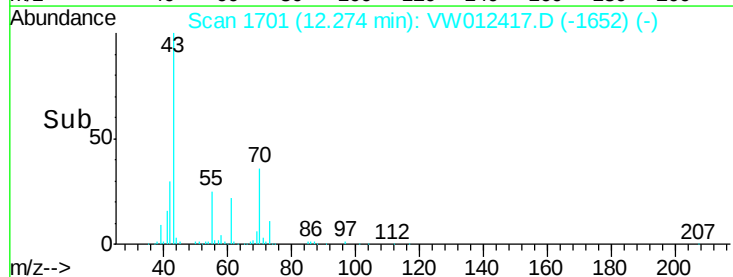
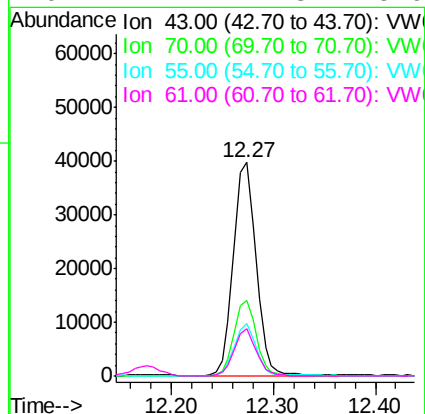
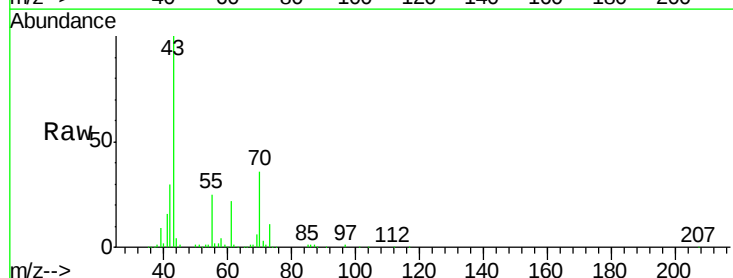
Ion Ratio Lower Upper

43 100

70 35.3 28.6 43.0

55 23.8 17.8 26.6

61 21.4 17.3 25.9





#75

1,1,2,2-Tetrachloroethane

Concen: 20.555 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012417.D

Acq: 31 Aug 2019 23:44

Instrument :

MSVOA_W

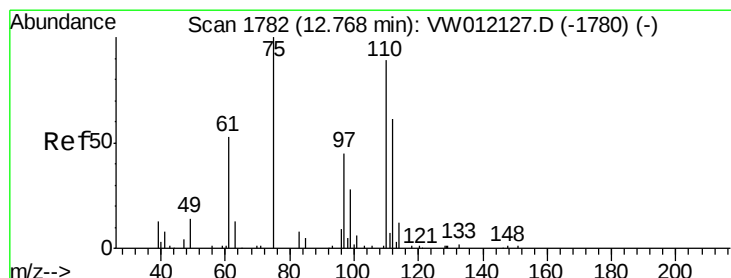
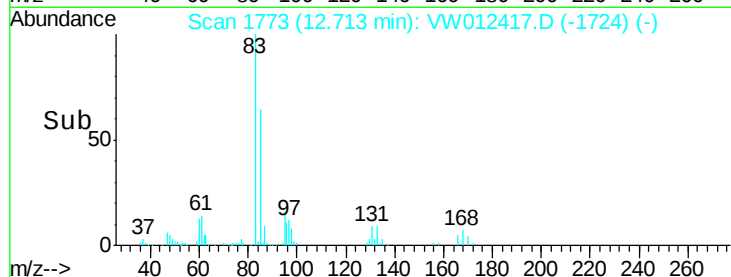
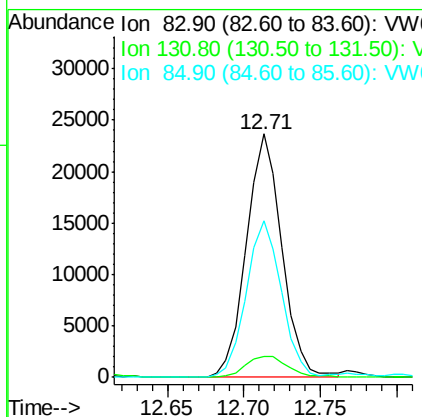
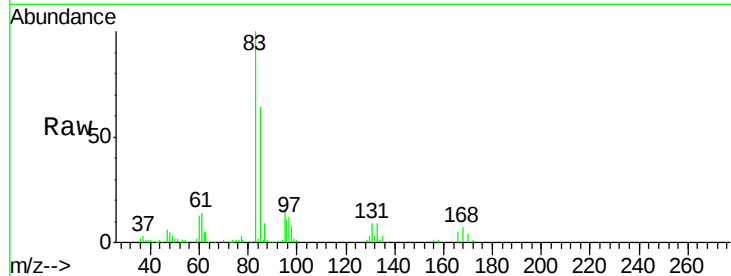
ClientSampleId :

VW0831SBSD02

Tot Ion:	83	Resp:	38178
Ion Ratio	Lower	Upper	
83	100		
131	10.5	4.9	14.7
85	64.1	31.9	95.7

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#76

1,2,3-Trichloropropane

Concen: 19.702 ug/l m

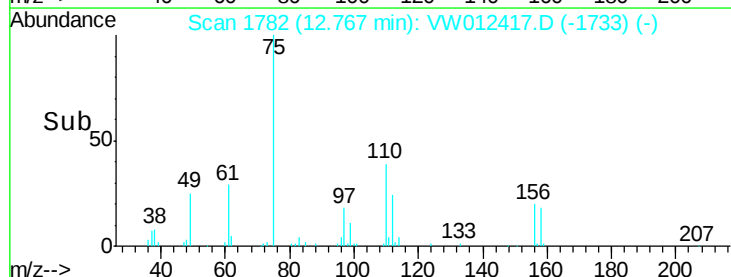
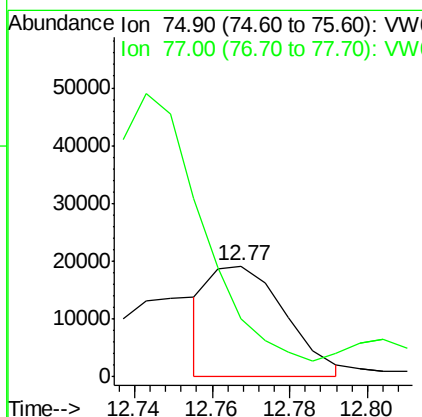
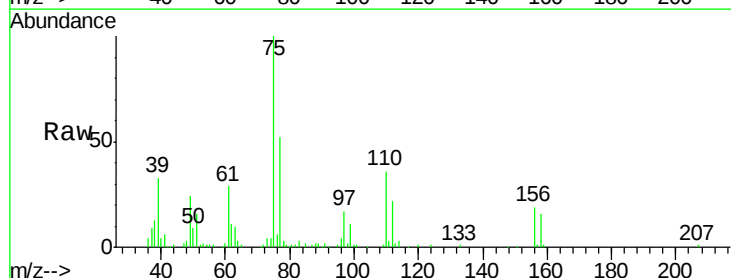
RT: 12.77 min Scan# 1782

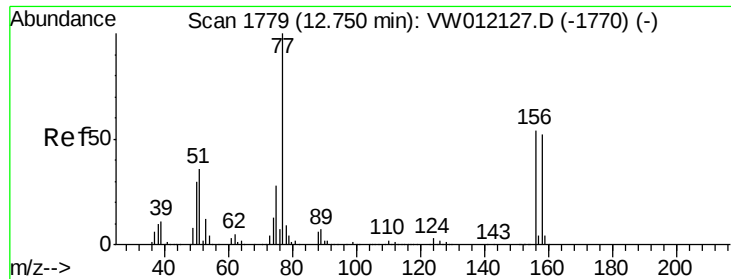
Delta R.T. -0.00 min

Lab File: VW012417.D

Acq: 31 Aug 2019 23:44

Tgt Ion:	75	Resp:	25944
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.629 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW012417.D

Acq: 31 Aug 2019 23:44

Instrument :

MSVOA_W

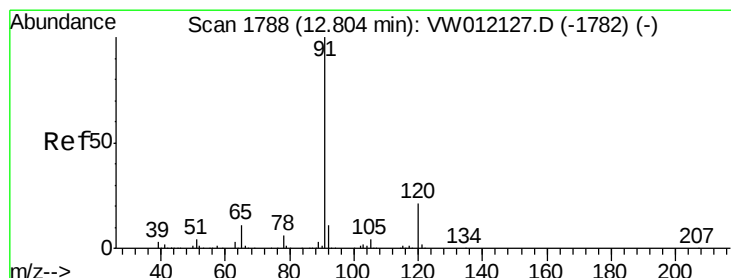
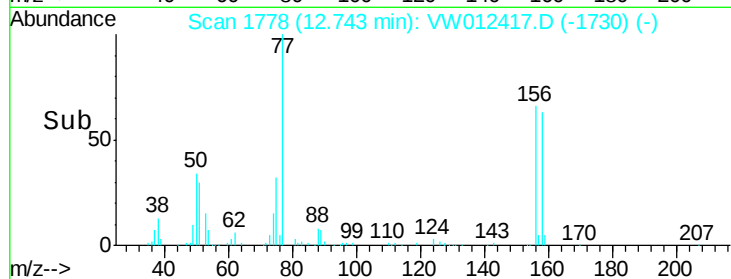
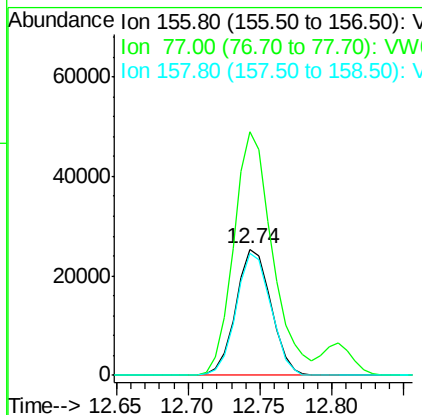
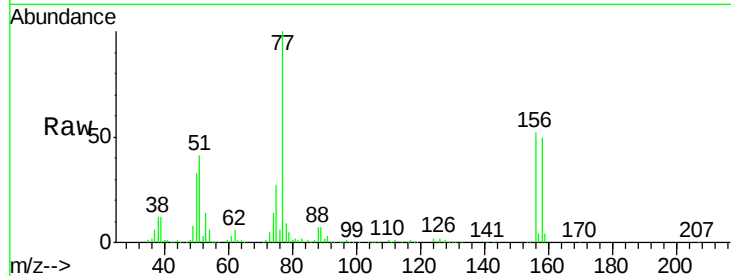
ClientSampleId :

VW0831SBS02

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	213.2	107.3	321.8	
158	95.8	49.0	147.0	

Manual Integrations
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#78

n-propylbenzene

Concen: 18.310 ug/l

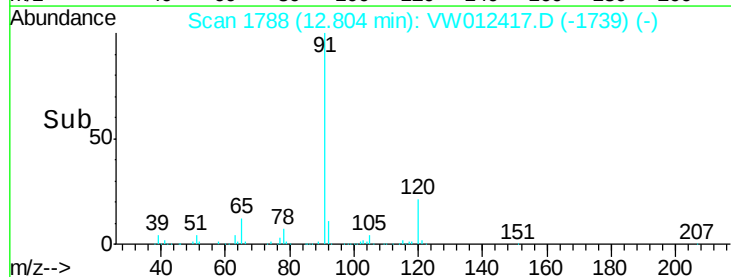
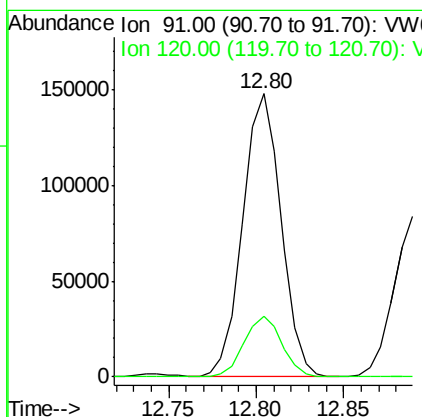
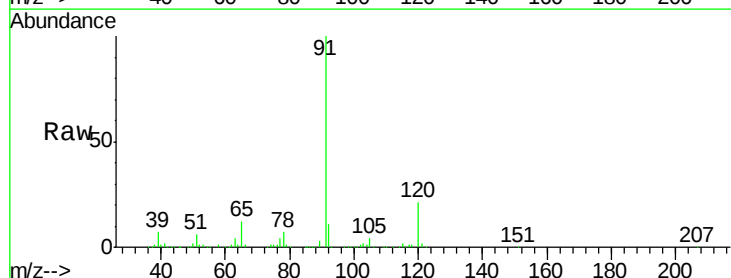
RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW012417.D

Acq: 31 Aug 2019 23:44

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	21.2	10.5	31.6	





#79

2-Chlorotoluene

Concen: 18.951 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW012417.D

Acq: 31 Aug 2019 23:44

Instrument :

MSVOA_W

ClientSampleId :

VW0831SBS02

Tot Ion: 91 Resp: 133074

Ion Ratio Lower Upper

91 100

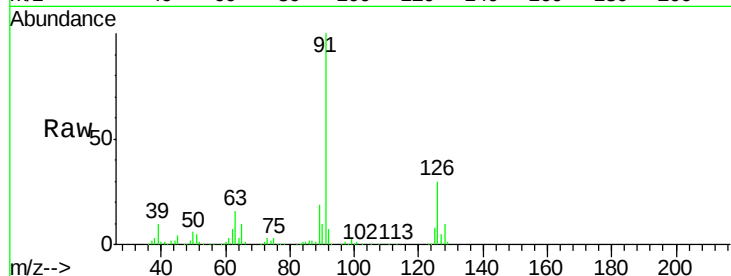
126 30.8 15.7 47.0

Manual Integrations

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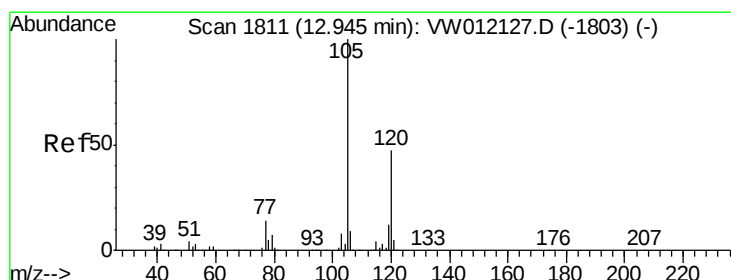
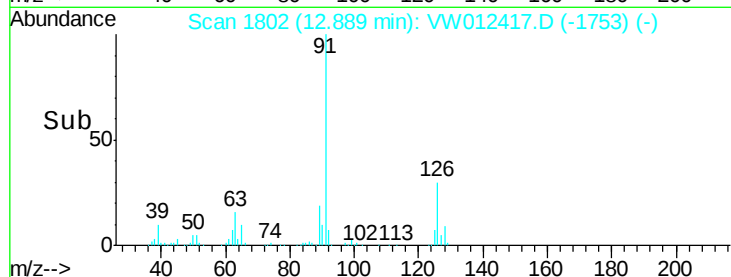
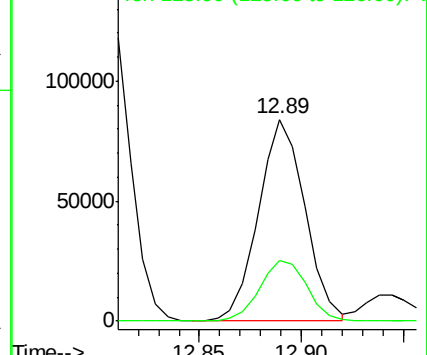
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 19.040 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW012417.D

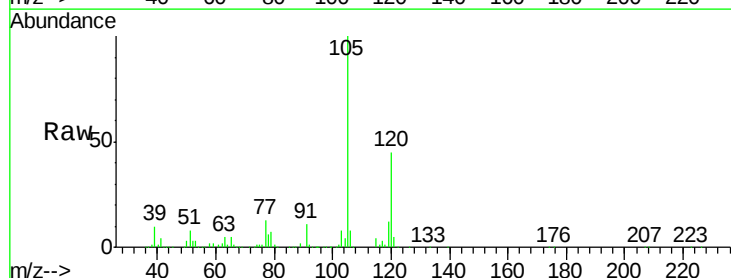
Acq: 31 Aug 2019 23:44

Tgt Ion:105 Resp: 161183

Ion Ratio Lower Upper

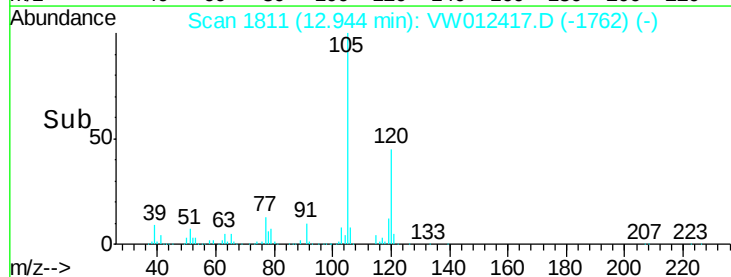
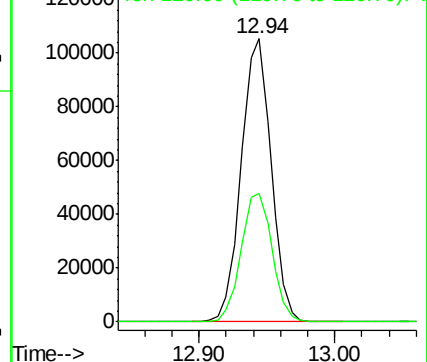
105 100

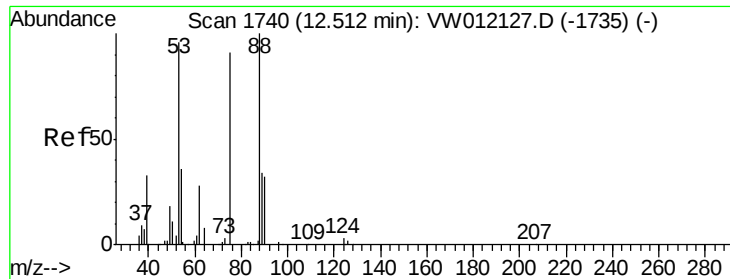
120 47.3 24.0 72.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 18.244 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW012417.D

Acq: 31 Aug 2019 23:44

Instrument :

MSVOA_W

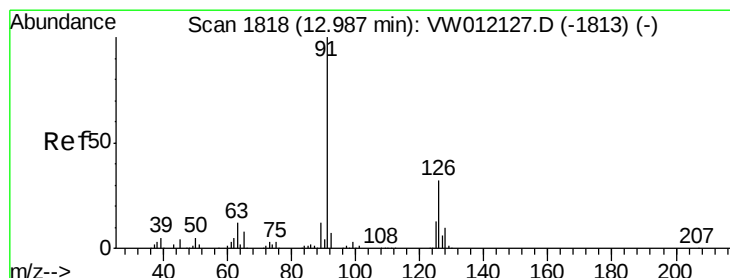
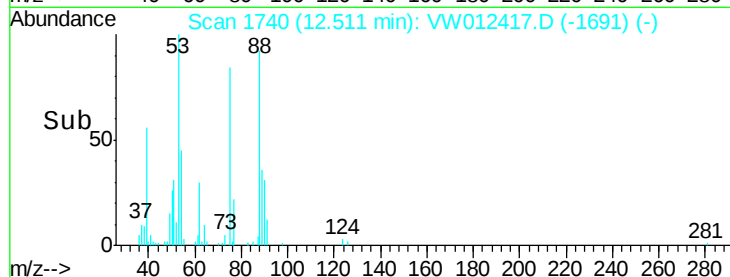
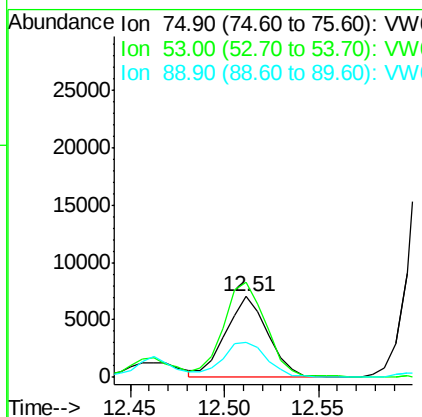
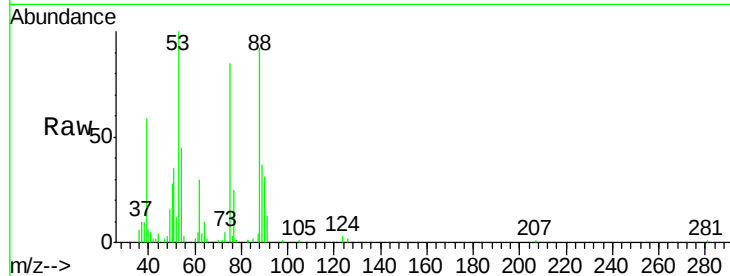
ClientSampleId :

VW0831SBSD02

Tot Ion:	75	Resp:	10957
Ion	Ratio	Lower	Upper
75	100		
53	120.0	89.4	134.0
89	44.7	34.5	51.7

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#82

4-Chlorotoluene

Concen: 19.075 ug/l

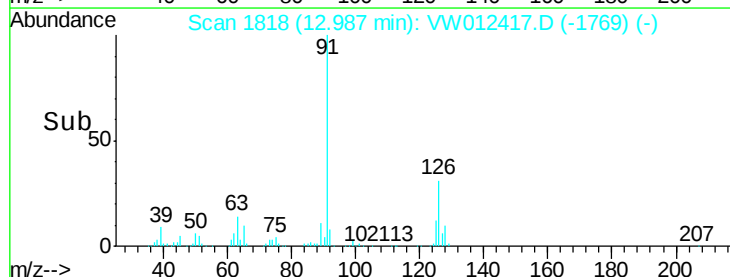
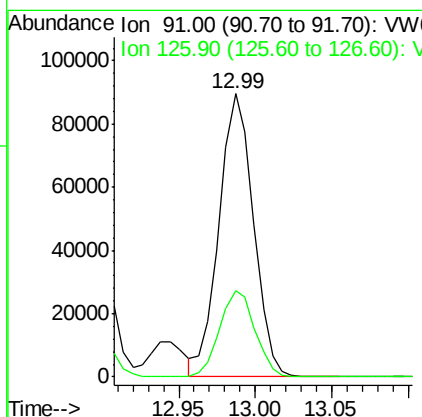
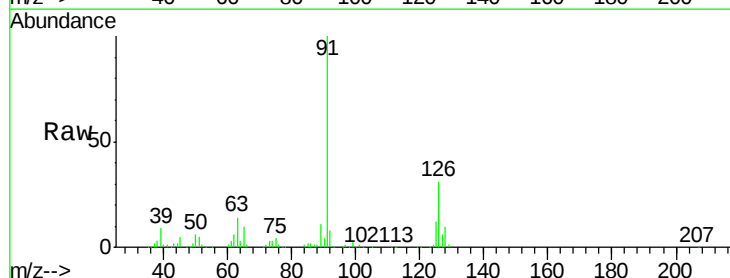
RT: 12.99 min Scan# 1818

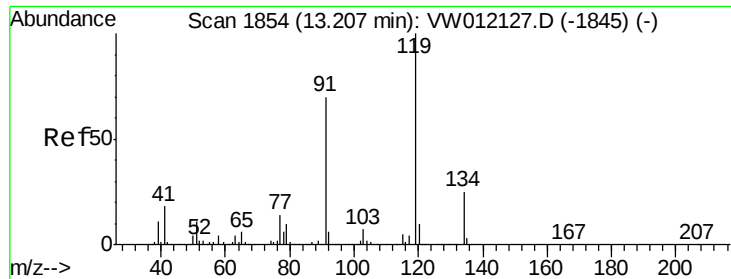
Delta R.T. -0.00 min

Lab File: VW012417.D

Acq: 31 Aug 2019 23:44

Tgt Ion:	91	Resp:	140244
Ion	Ratio	Lower	Upper
91	100		
126	31.3	15.6	46.8





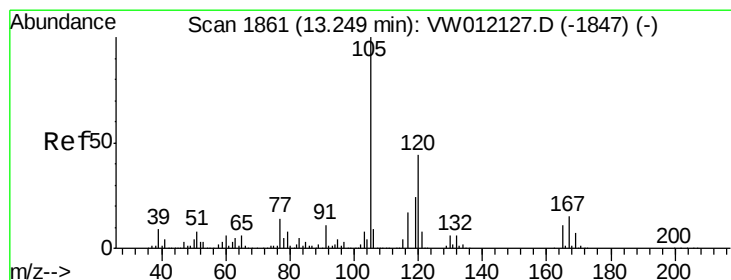
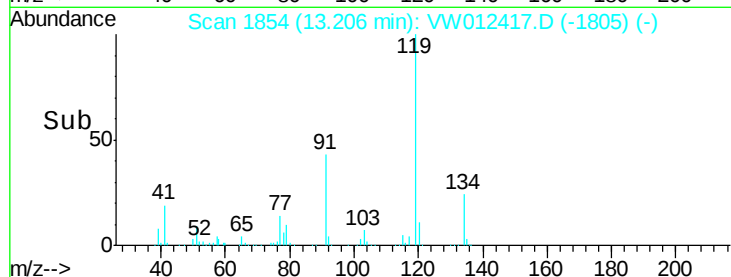
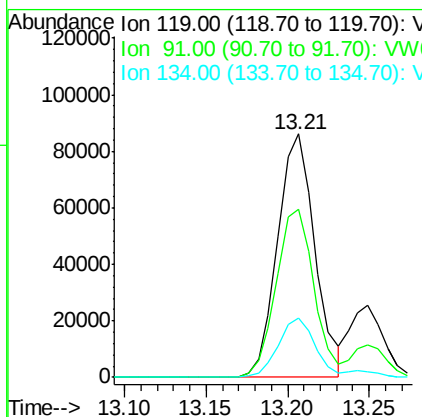
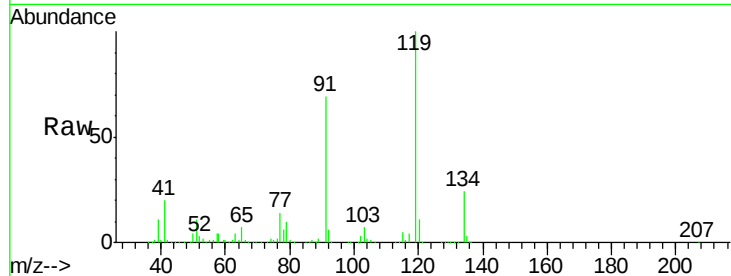
#83
tert-Butylbenzene
Concen: 19.024 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW012417.D
Acq: 31 Aug 2019 23:44

Instrument :
MSVOA_W
ClientSampleId :
VW0831SBS02

Tot Ion	Ratio	Lower	Upper
119	100		
91	69.9	34.8	104.3
134	24.4	13.3	39.8

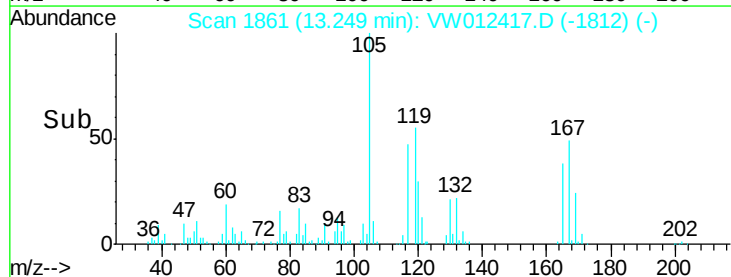
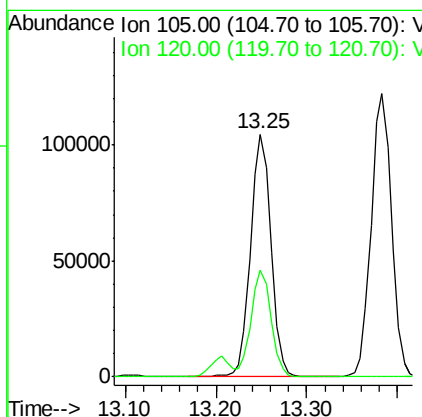
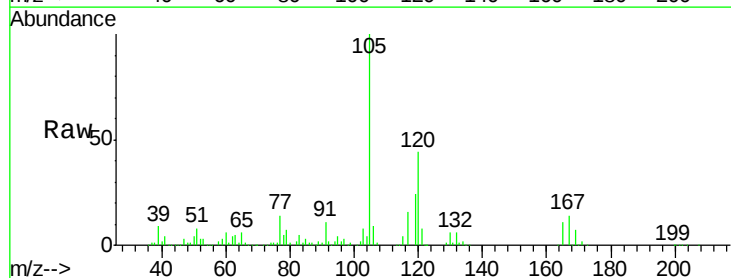
Manual Integrations
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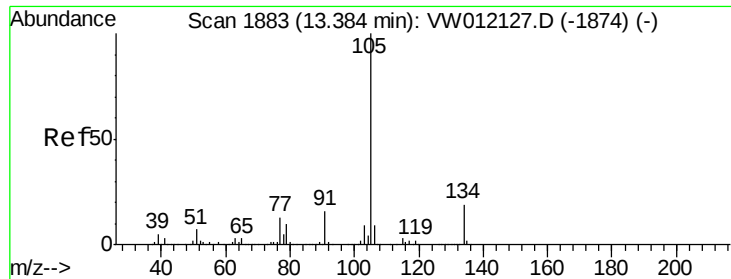
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 19.274 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW012417.D
Acq: 31 Aug 2019 23:44

Tgt Ion	Ratio	Lower	Upper
105	100		
120	42.6	21.9	65.7





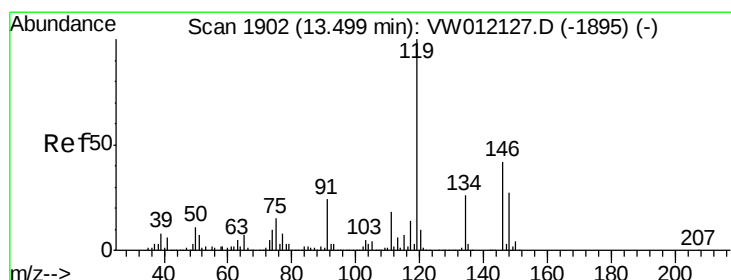
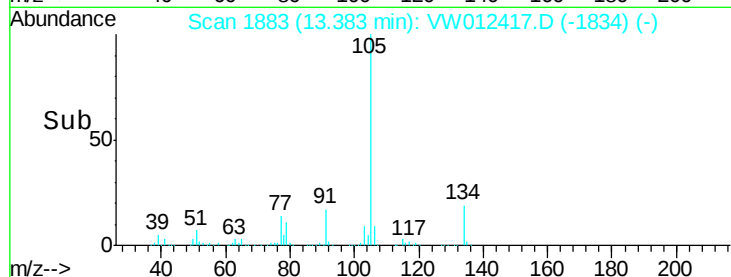
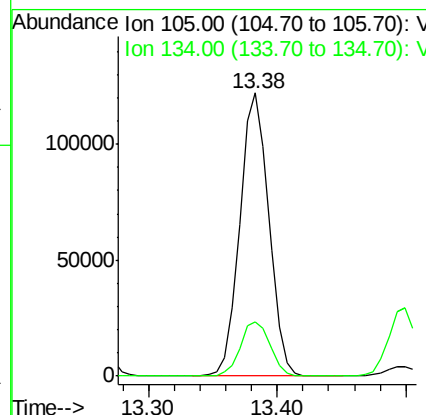
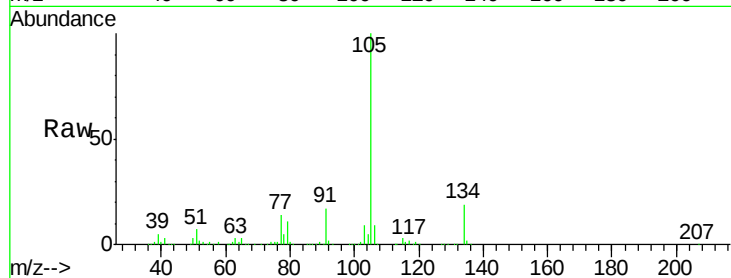
#85
 sec-Butylbenzene
 Concen: 18.470 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW012417.D
 Acq: 31 Aug 2019 23:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0831SBS02

Tot Ion	Ratio	Resp	Lower	Upper
105	100	189756		
134	19.8	9.8	29.4	

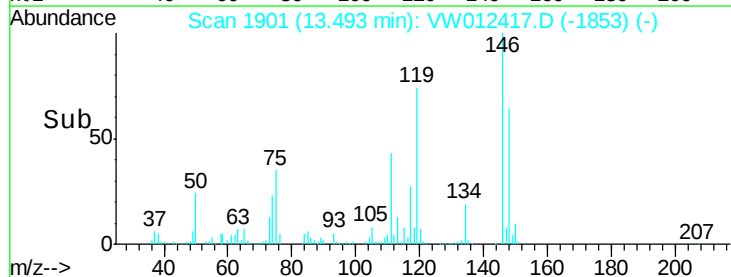
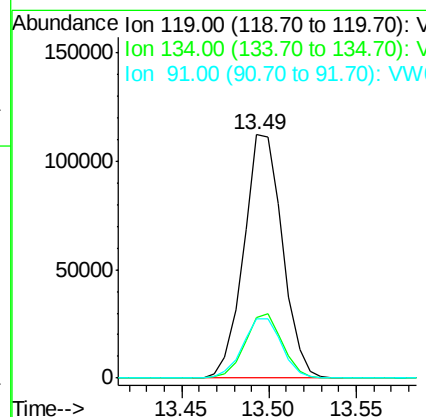
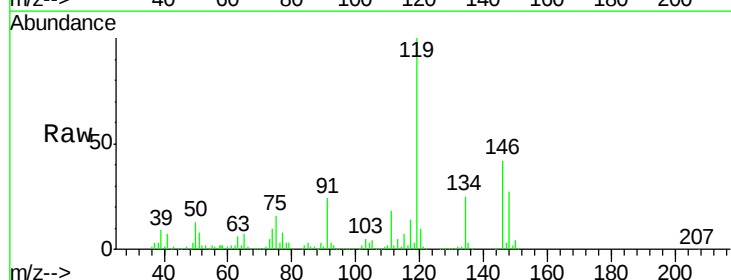
Manual Integrations
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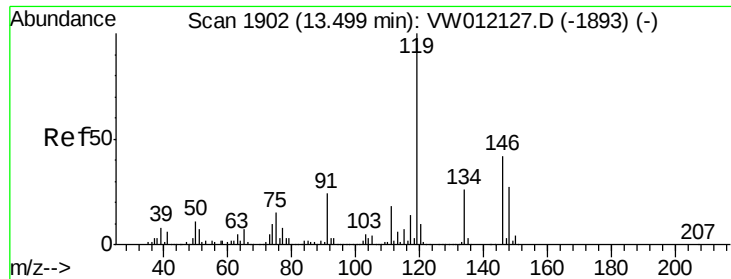
MMDadoda
 9/3/2019 2:42:04 AM



#86
 p-Isopropyltoluene
 Concen: 18.740 ug/l
 RT: 13.49 min Scan# 1901
 Delta R.T. -0.01 min
 Lab File: VW012417.D
 Acq: 31 Aug 2019 23:44

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	171941		
134	25.5	12.8	38.3	
91	24.8	12.3	36.9	





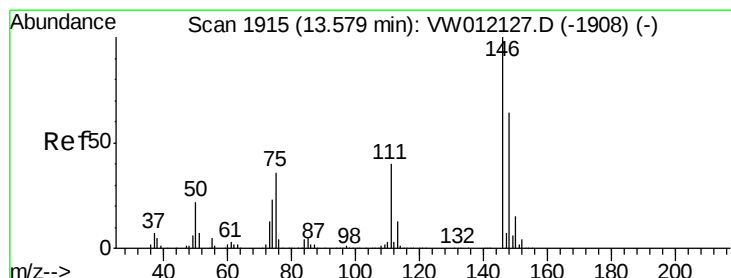
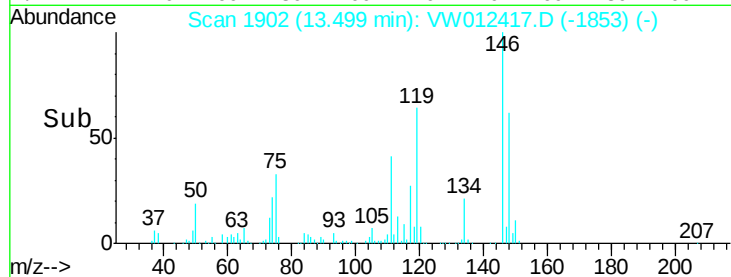
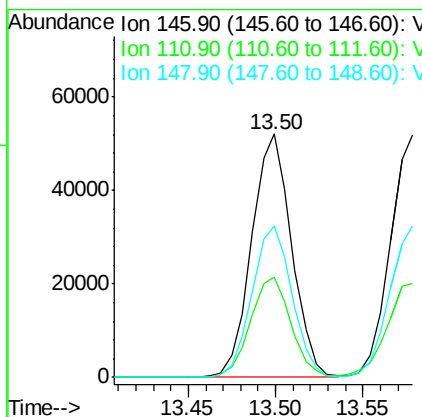
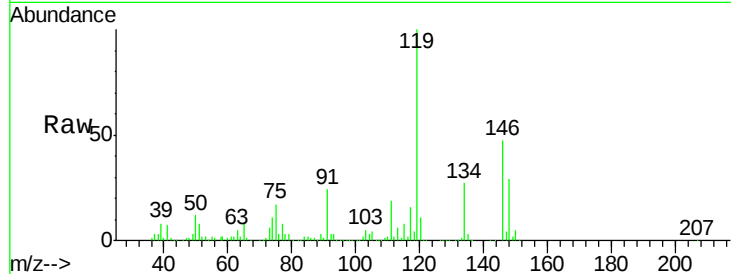
#87
 1,3-Dichlorobenzene
 Concen: 19.362 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012417.D
 Acq: 31 Aug 2019 23:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0831SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.9	62.7
148	62.7	32.2	96.6

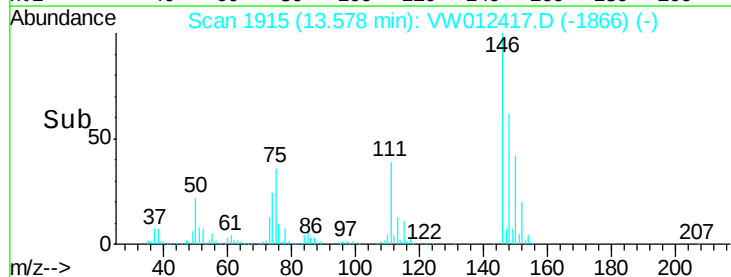
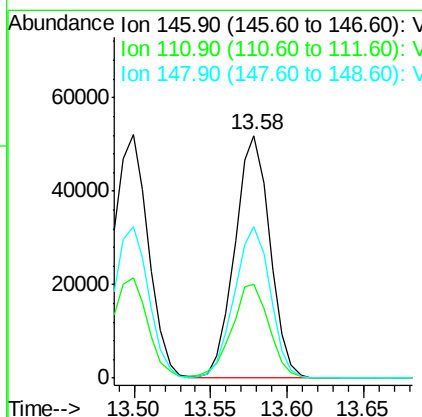
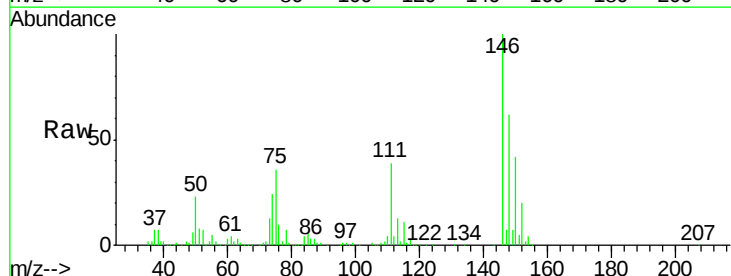
Manual Integrations
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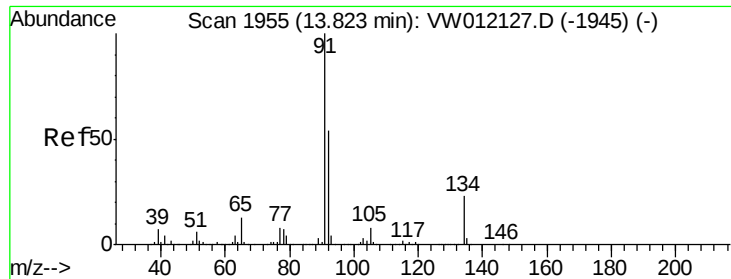
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#88
 1,4-Dichlorobenzene
 Concen: 19.411 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW012417.D
 Acq: 31 Aug 2019 23:44

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.0	60.0
148	64.1	32.1	96.3





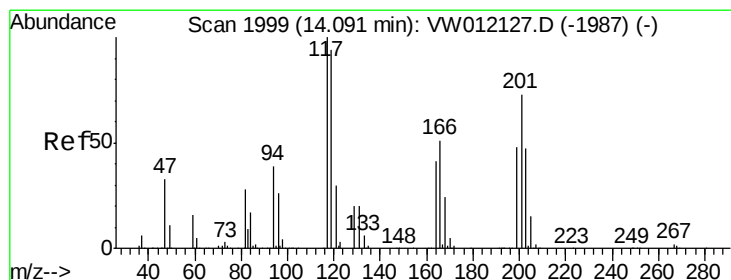
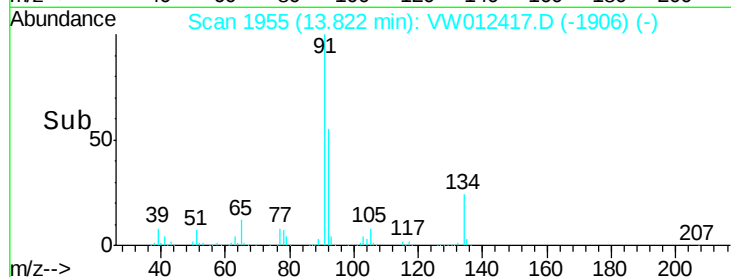
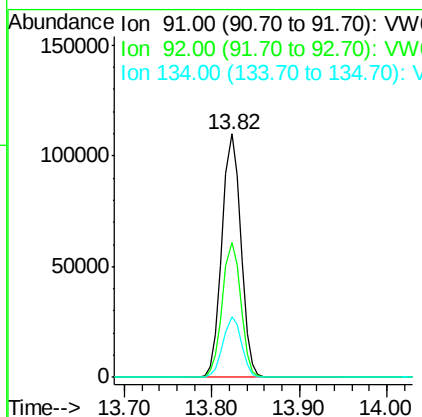
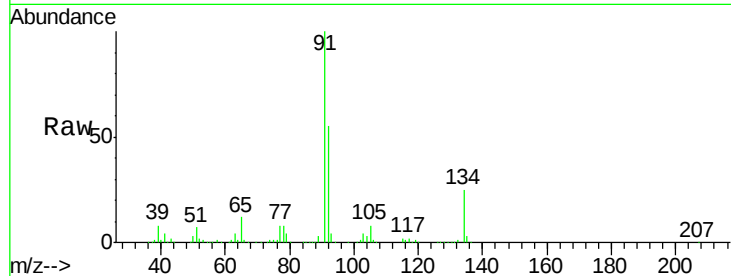
#89
n-Butylbenzene
Concen: 18.031 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW012417.D
Acq: 31 Aug 2019 23:44

Instrument :
MSVOA_W
ClientSampleId :
VW0831SBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.1	27.1	81.2
134	24.4	12.2	36.4

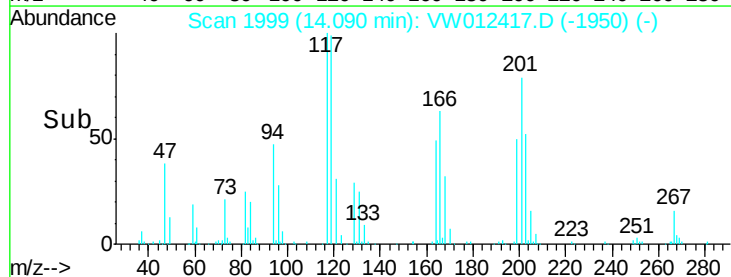
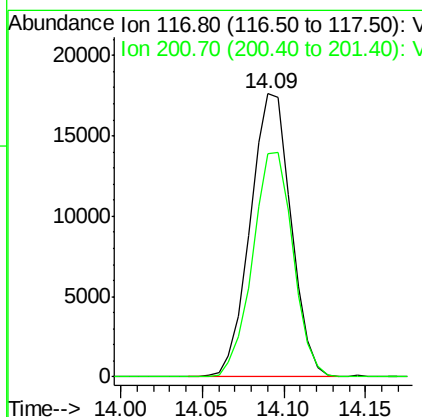
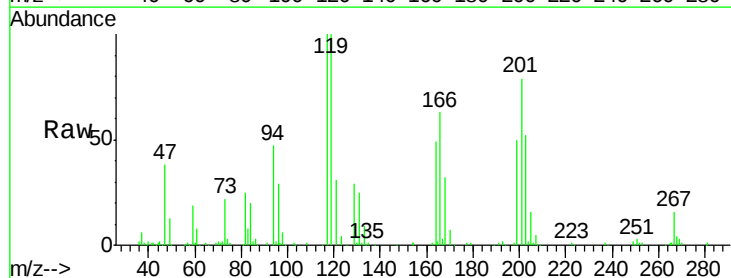
Manual Integrations
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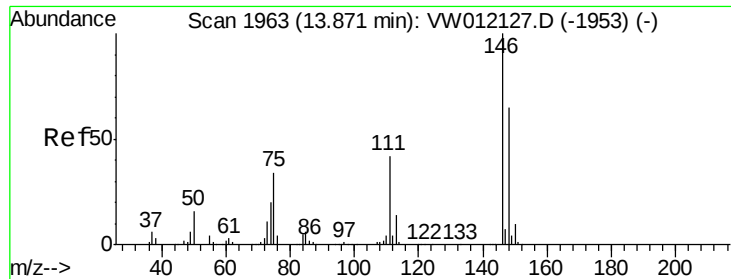
MMDadoda
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#90
Hexachloroethane
Concen: 19.048 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW012417.D
Acq: 31 Aug 2019 23:44

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.6	38.6	115.7





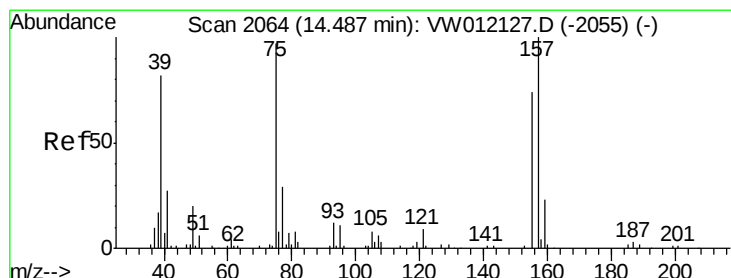
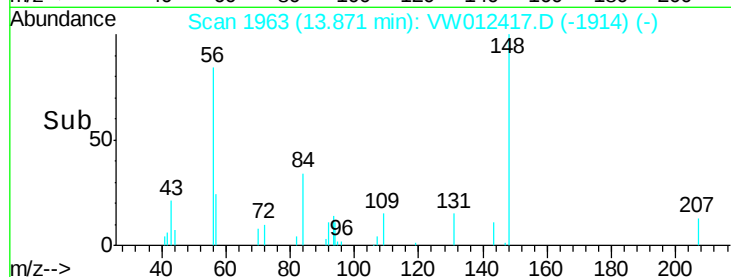
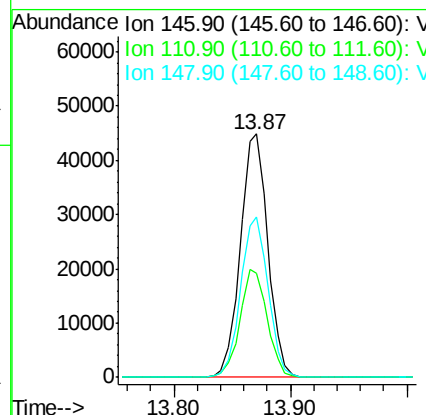
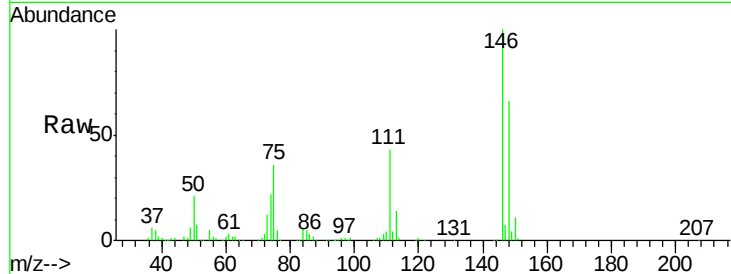
#91
 1,2-Dichlorobenzene
 Concen: 19.605 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW012417.D
 Acq: 31 Aug 2019 23:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0831SBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.9	21.2	63.6
148	65.8	32.5	97.4

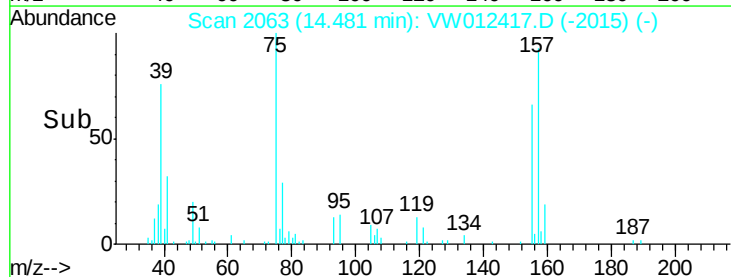
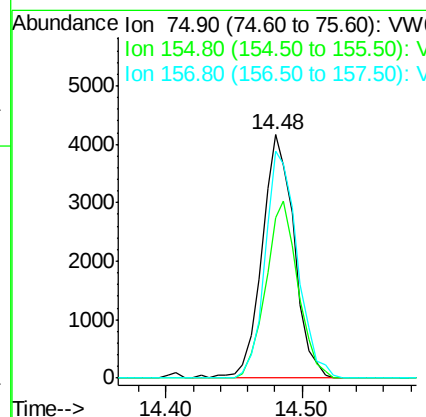
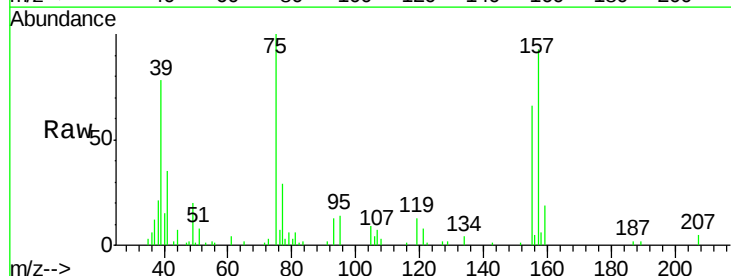
Manual Integrations
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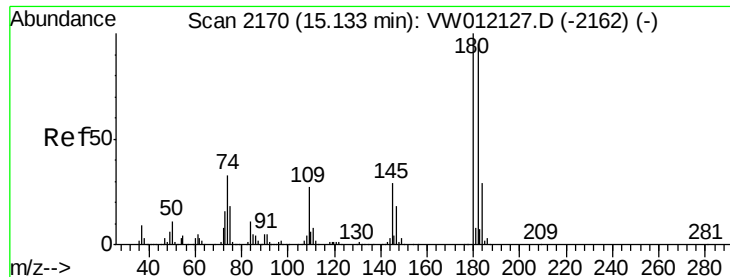
MMDadoda
 9/3/2019 2:42:04 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.969 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW012417.D
 Acq: 31 Aug 2019 23:44

Tgt Ion	Ratio	Lower	Upper
75	100		
155	72.7	37.5	112.3
157	93.5	50.5	151.5





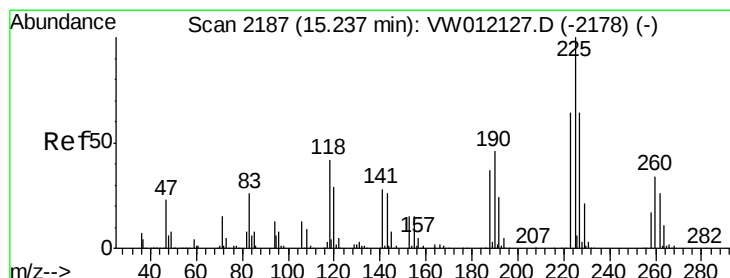
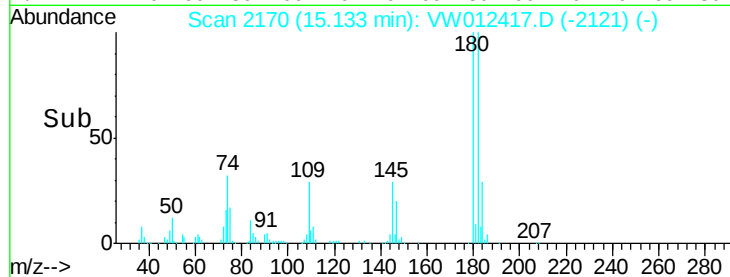
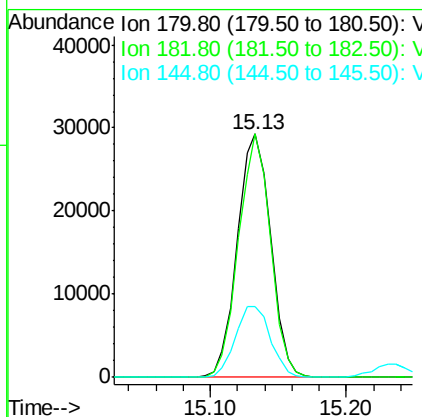
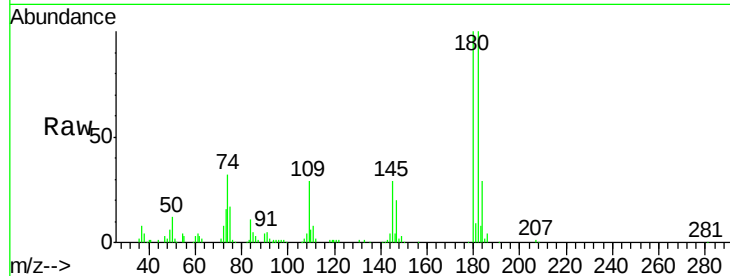
#93
 1,2,4-Trichlorobenzene
 Concen: 19.334 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012417.D
 Acq: 31 Aug 2019 23:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0831SBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	50247		
182	95.4	47.8	143.4	
145	30.6	15.0	45.1	

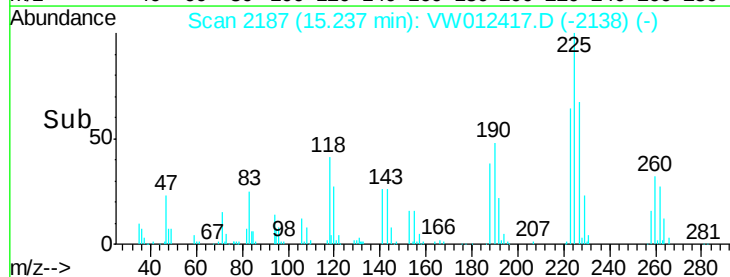
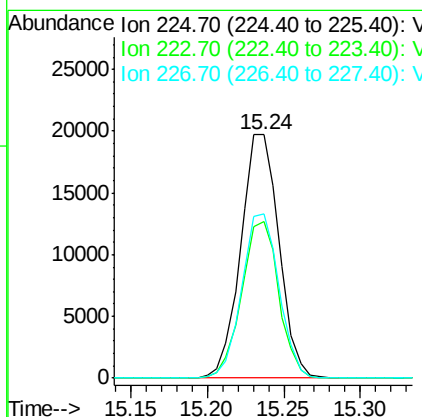
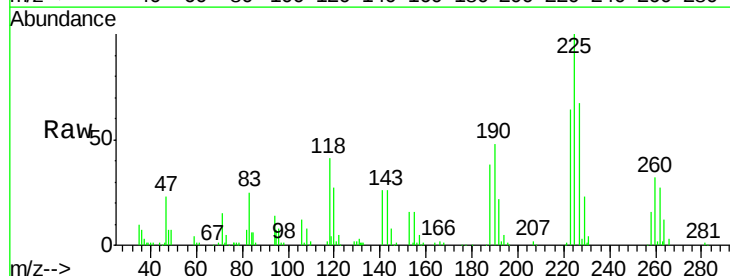
Manual Integrations
 APPROVED

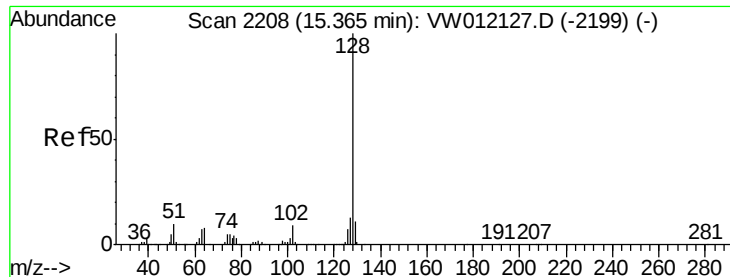
MMDadoda
 9/3/2019 2:42:04 AM



#94
 Hexachlorobutadiene
 Concen: 19.934 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012417.D
 Acq: 31 Aug 2019 23:44

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	34209		
223	62.5	32.3	96.8	
227	65.7	32.9	98.6	





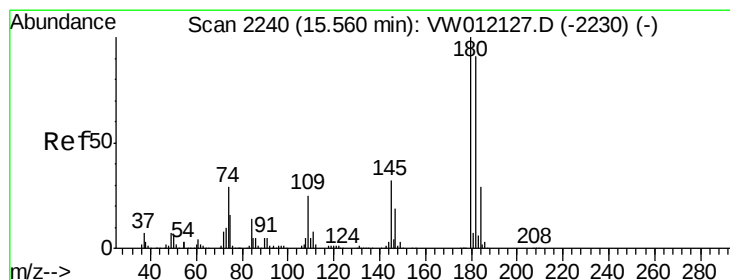
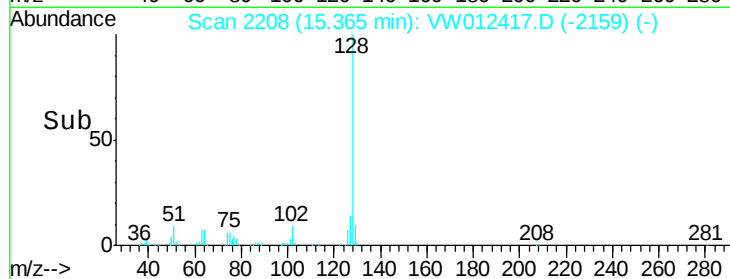
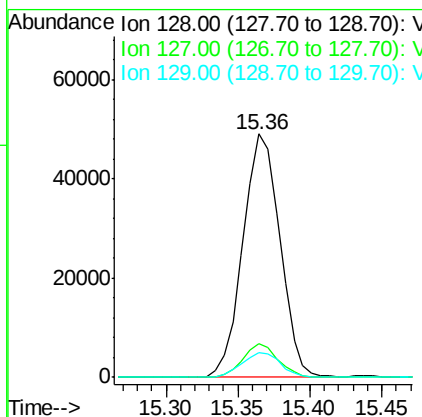
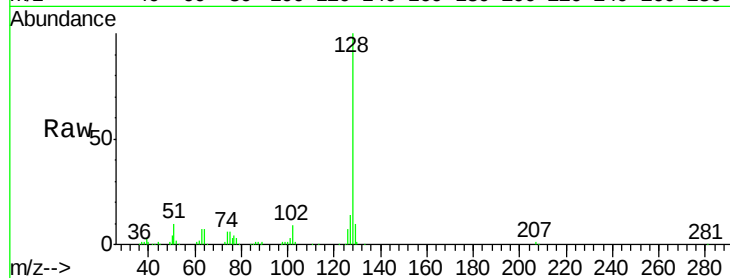
#95
Naphthalene
Concen: 20.022 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012417.D
Acq: 31 Aug 2019 23:44

Instrument :
MSVOA_W
ClientSampleId :
VW0831SBS02

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.7	16.1
129	10.7	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
9/3/2019 2:42:04 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.549 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW012417.D
Acq: 31 Aug 2019 23:44

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.7	47.1	141.3
145	33.0	16.2	48.5

