

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013208.D
 Acq On : 21 Sep 2019 03:03
 Operator : SY/VA
 Sample : K4939-02MS
 Misc : 5.65G/5ML/MSVOA W/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 982-S-3-(19)MS

Manual Integrations
 APPROVED

MMDadoda
 9/24/2019 5:29:04 AM

Quant Time: Sep 21 06:20:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	268663	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	470621	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	364579	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	94730	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	145441	66.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	132.66%	
35) Dibromofluoromethane	7.88	113	137442	53.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.20%	
50) Toluene-d8	10.32	98	525984	48.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.10%	
62) 4-Bromofluorobenzene	12.62	95	131957	35.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	71.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	46926	30.280	ug/l	97
3) Chloromethane	2.20	50	70117	35.197	ug/l	98
4) Vinyl Chloride	2.35	62	96061	37.403	ug/l	98
5) Bromomethane	2.76	94	58907	36.193	ug/l	98
6) Chloroethane	2.90	64	63168	41.726	ug/l	98
7) Trichlorofluoromethane	3.25	101	58595	39.566	ug/l	96
8) Diethyl Ether	3.67	74	72596	57.390	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.05	101	110859	45.979	ug/l	100
10) Methyl Iodide	4.27	142	149834	40.082	ug/l	100
11) Tert butyl alcohol	5.19	59	59087	379.580	ug/l	98
12) 1,1-Dichloroethene	4.04	96	109265	43.763	ug/l	98
14) Allyl chloride	4.66	41	154253	38.820	ug/l	98
15) Acrylonitrile	5.37	53	185522	339.795	ug/l	99
16) Acetone	4.12	43	160073	323.723	ug/l	98
17) Carbon Disulfide	4.38	76	191070	26.477	ug/l	99
18) Methyl Acetate	4.67	43	176039	126.650	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	251143	65.632	ug/l	98
20) Methylene Chloride	4.91	84	144152	57.434	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	118011	43.732	ug/l	97
22) Diisopropyl ether	6.31	45	467910	61.925	ug/l	95
23) Vinyl Acetate	6.26	43	137110	30.587	ug/l	99
24) 1,1-Dichloroethane	6.21	63	261632	57.381	ug/l	98
25) 2-Butanone	7.17	43	242738	327.013	ug/l	97
26) 2,2-Dichloropropane	7.16	77	109319	39.362	ug/l	95
27) cis-1,2-Dichloroethene	7.17	96	158940	55.811	ug/l	97
28) Bromochloromethane	7.51	49	119290	68.167	ug/l	99
29) Tetrahydrofuran	7.52	42	155072	340.652	ug/l	100
30) Chloroform	7.67	83	261081	58.486	ug/l	98
31) Cyclohexane	7.95	56	176357	37.105	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	193321	53.471	ug/l	99
36) 1,1-Dichloropropene	8.08	75	167028	36.643	ug/l	98
37) Ethyl Acetate	7.25	43	89344	46.118	ug/l	98
38) Carbon Tetrachloride	8.07	117	168005	41.115	ug/l	98
39) Methylcyclohexane	9.33	83	173101	29.550	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	8.32	78	551709	43.392	ug/l	100
41) Methacrylonitrile	7.48	41	58532	50.623	ug/l	93
42) 1,2-Dichloroethane	8.40	62	167035	48.871	ug/l	100
43) Isopropyl Acetate	8.42	43	187680	50.547	ug/l	98
44) Trichloroethene	9.09	130	193369	54.206	ug/l	99
45) 1,2-Dichloropropane	9.37	63	151968	48.957	ug/l	99
46) Dibromomethane	9.46	93	73113	48.514	ug/l	98
47) Bromodichloromethane	9.64	83	192929	50.311	ug/l	97
48) Methyl methacrylate	9.43	41	110188	63.111	ug/l	98
49) 1,4-Dioxane	9.46	88	28721	1269.617	ug/l #	93
51) 4-Methyl-2-Pentanone	10.21	43	535726	287.809	ug/l	99
52) Toluene	10.38	92	341534	41.913	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	167692	42.564	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	203600	42.503	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	115638	51.336	ug/l	98
56) Ethyl methacrylate	10.65	69	128109	43.457	ug/l	99
57) 1,3-Dichloropropane	10.93	76	188341	47.914	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	402476	294.908	ug/l	100
59) 2-Hexanone	10.97	43	333586	260.485	ug/l	99
60) Dibromochloromethane	11.13	129	128987m	50.430	ug/l	
61) 1,2-Dibromoethane	11.23	107	99921	46.655	ug/l	100
64) Tetrachloroethene	10.87	164	11508232	4160.321	ug/l	95
65) Chlorobenzene	11.65	112	338458	44.457	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	137428	52.839	ug/l	99
67) Ethyl Benzene	11.73	91	555502	40.271	ug/l	100
68) m/p-Xylenes	11.83	106	399074	75.921	ug/l	99
69) o-Xylene	12.16	106	199601	40.843	ug/l	99
70) Stvrene	12.18	104	338730	40.373	ug/l	99
71) Bromoform	12.35	173	74698	54.363	ug/l	100
73) Isopropylbenzene	12.46	105	457107	65.322	ug/l	99
74) N-amyl acetate	12.27	43	70364	45.314	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	112029	95.725	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	91610m	109.504	ug/l	
77) Bromobenzene	12.74	156	124361	74.994	ug/l	93
78) n-propylbenzene	12.80	91	428983	52.372	ug/l	100
79) 2-Chlorotoluene	12.89	91	287648	62.682	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	293489	49.893	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	25586	68.627	ug/l	93
82) 4-Chlorotoluene	12.99	91	270881	55.976	ug/l	100
83) tert-Butylbenzene	13.21	119	274930	53.250	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	269688	46.073	ug/l	99
85) sec-Butylbenzene	13.38	105	283535	39.833	ug/l	99
86) p-Isopropyltoluene	13.50	119	228418	34.597	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	145107	45.467	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	143082	45.713	ug/l	99
89) n-Butylbenzene	13.82	91	140315	23.275	ug/l	98
90) Hexachloroethane	14.09	117	59249	53.420	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	129183	46.788	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	14369	80.271	ug/l	96
93) 1,2,4-Trichlorobenzene	15.13	180	20672	10.448	ug/l	98

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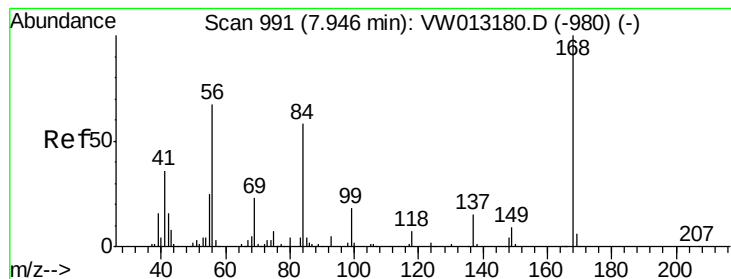
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.24	225	19225	14.203	ug/l	96
95) Naphthalene	15.36	128	83511	25.808	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	17659	10.330	ug/l	97

(#) = 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: VW013208.D

Acq: 21 Sep 2019 03:03

Instrument :

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ClientSampleId :

982-S-3-(19)MS

Tot Ion:168 Resp: 268663

Ion Ratio Lower Upper

168 100

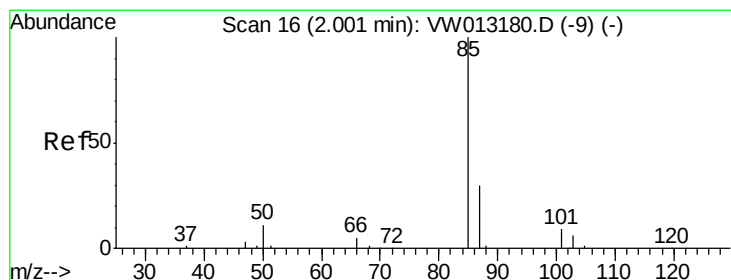
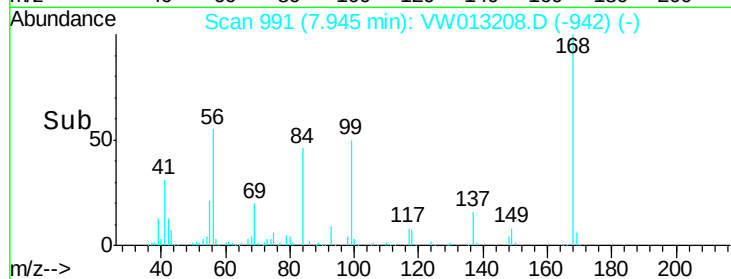
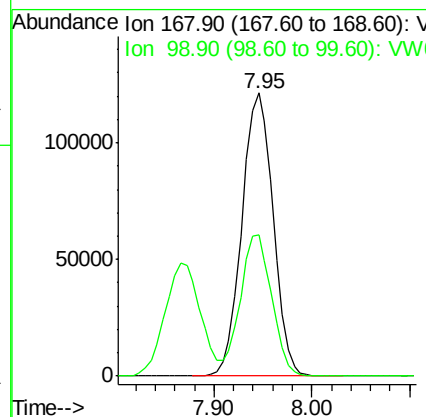
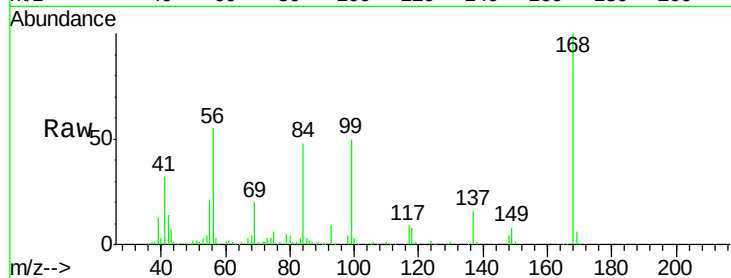
99 49.8 40.2 60.4

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#2

Dichlorodifluoromethane

Concen: 30.280 ug/l

RT: 2.00 min Scan# 16

Delta R.T. -0.00 min

Lab File: VW013208.D

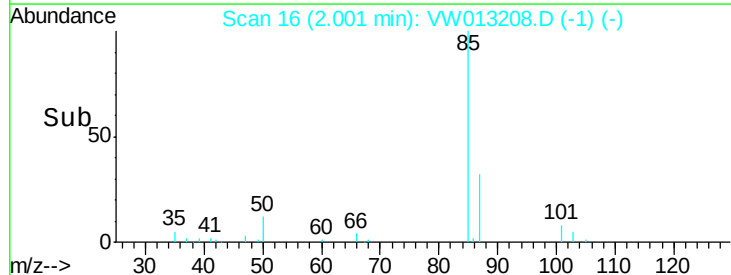
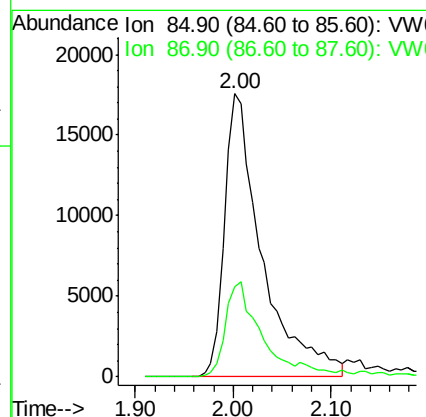
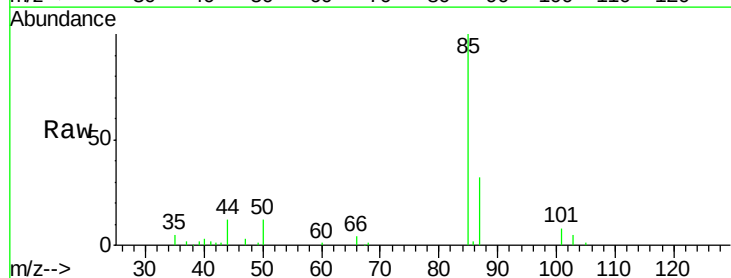
Acq: 21 Sep 2019 03:03

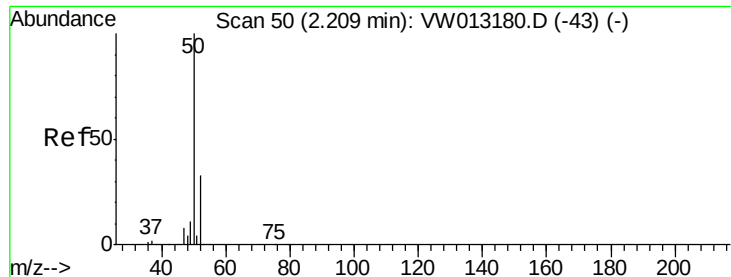
Tgt Ion: 85 Resp: 46926

Ion Ratio Lower Upper

85 100

87 32.0 15.1 45.3





#3

Chloromethane

Concen: 35.197 ug/l

RT: 2.20 min Scan# 49

Delta R.T. -0.01 min

Lab File: VW013208.D

Acq: 21 Sep 2019 03:03

Instrument :

MSVOA_W

ClientSampleId :

982-S-3-(19)MS

Tot Ion: 50 Resp: 70117

Ion Ratio Lower Upper

50 100

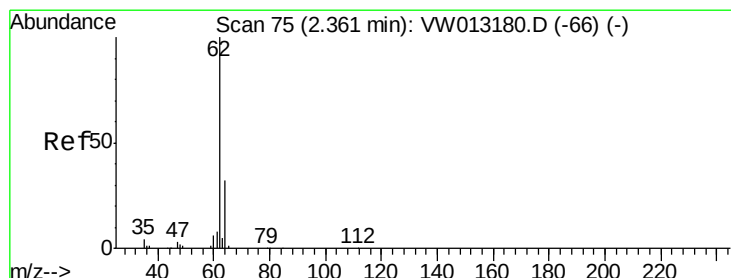
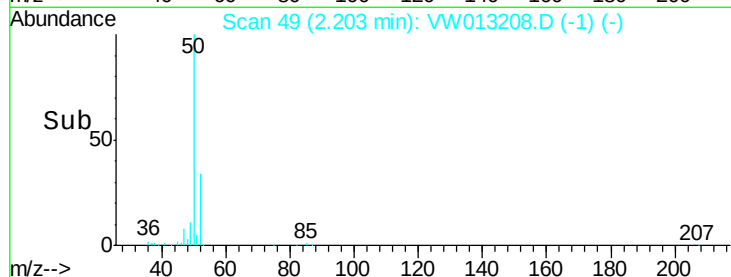
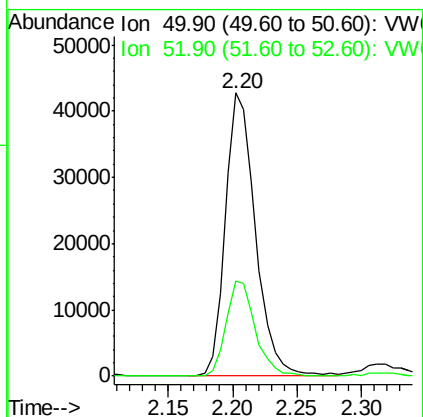
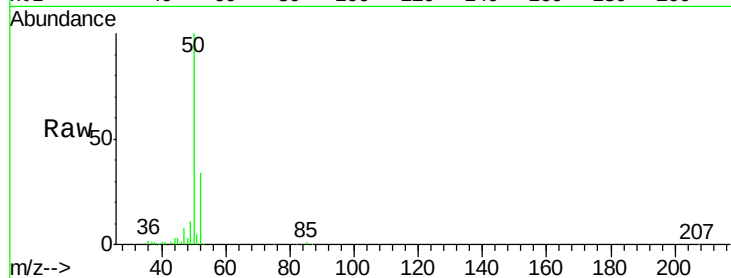
52 33.6 26.1 39.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 37.403 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW013208.D

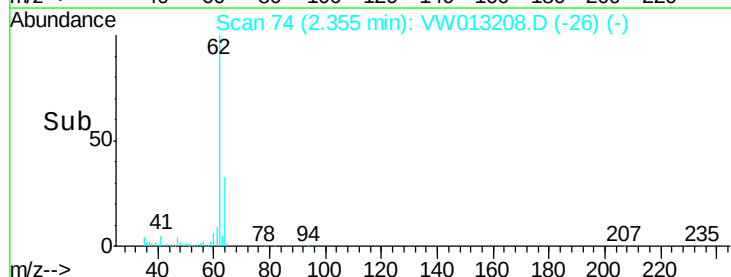
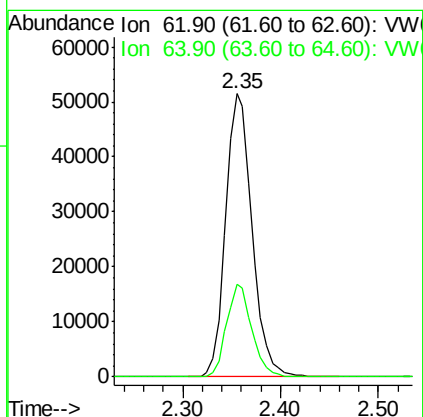
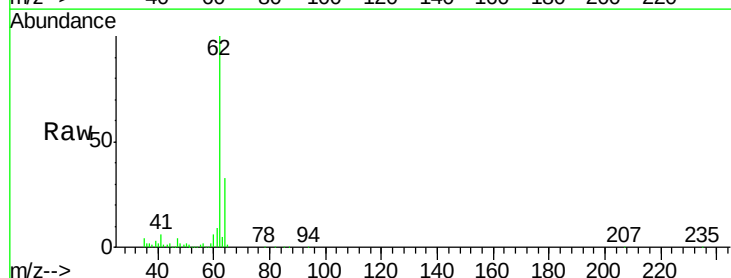
Acq: 21 Sep 2019 03:03

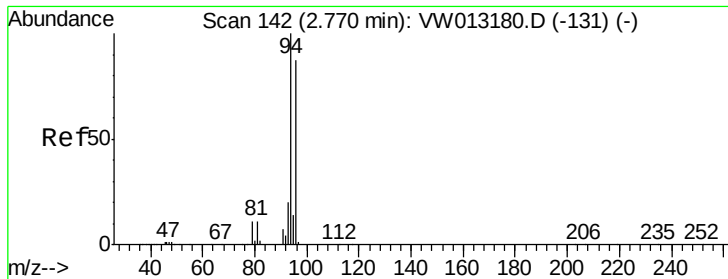
Tgt Ion: 62 Resp: 96061

Ion Ratio Lower Upper

62 100

64 33.0 25.3 37.9





#5

Bromomethane

Concen: 36.193 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW013208.D

Acq: 21 Sep 2019 03:03

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 58907

Ion Ratio Lower Upper

94 100

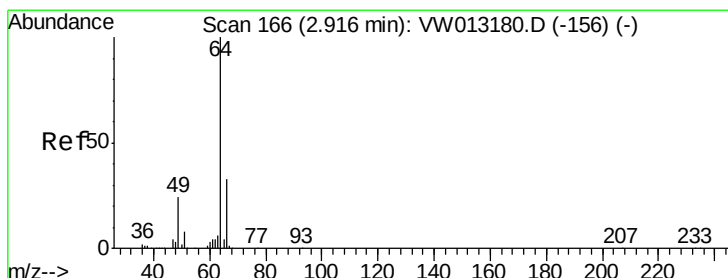
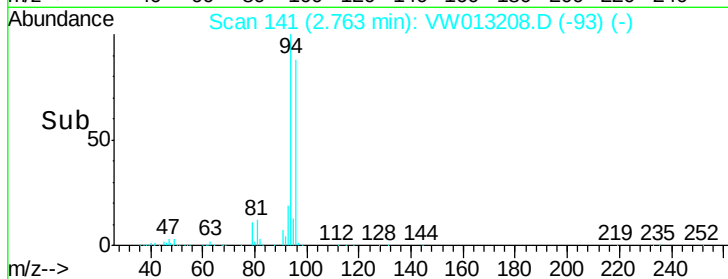
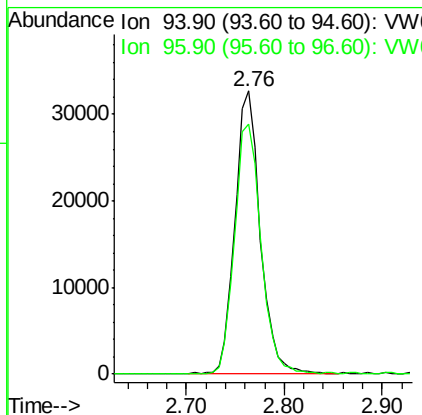
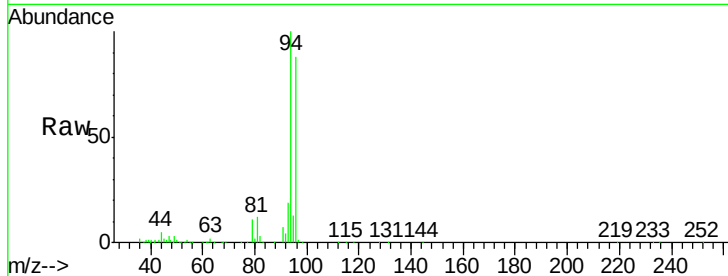
96 88.5 69.7 104.5

Manual Integrations

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#6

Chloroethane

Concen: 41.726 ug/l

RT: 2.90 min Scan# 164

Delta R.T. -0.01 min

Lab File: VW013208.D

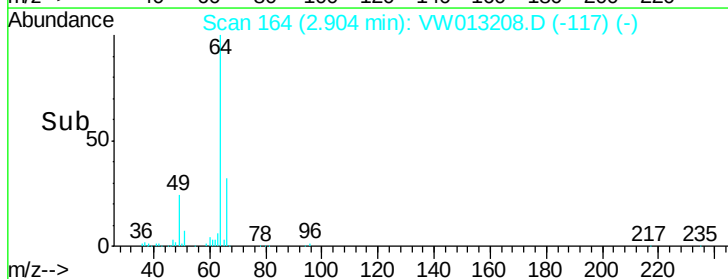
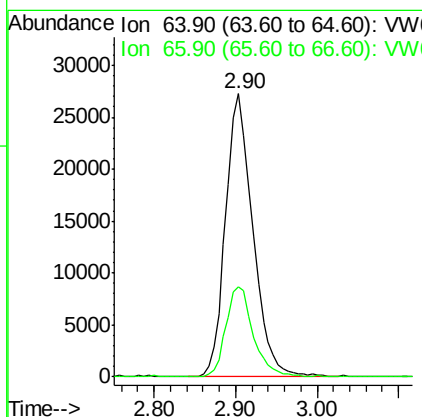
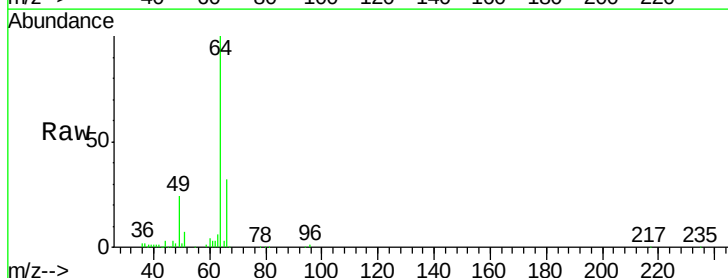
Acq: 21 Sep 2019 03:03

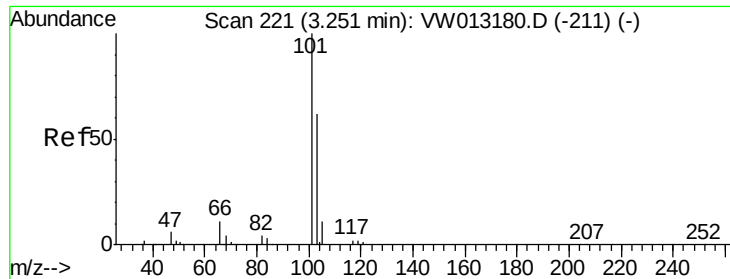
Tgt Ion: 64 Resp: 63168

Ion Ratio Lower Upper

64 100

66 32.0 26.6 39.8





#7

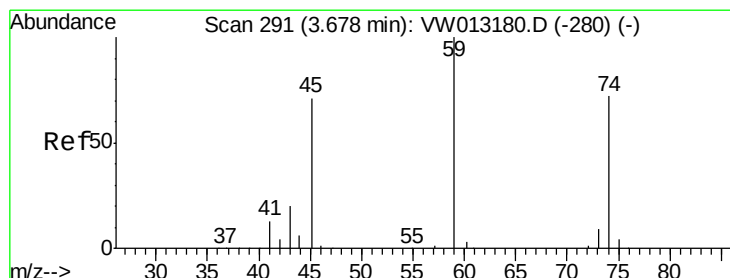
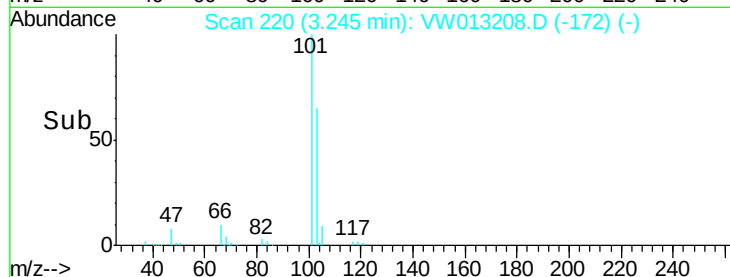
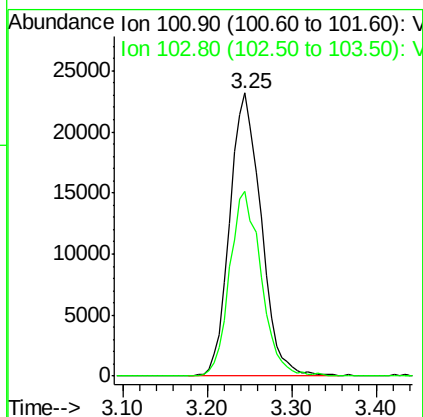
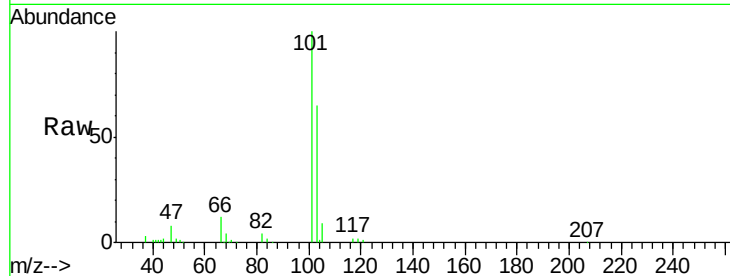
Trichlorofluoromethane
Concen: 39.566 ug/l
RT: 3.25 min Scan# 220
Delta R.T. -0.01 min
Lab File: VW013208.D
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982-S-3-(19)MS

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.4	49.7	74.5

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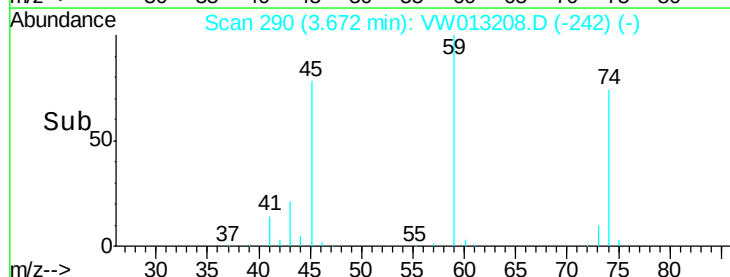
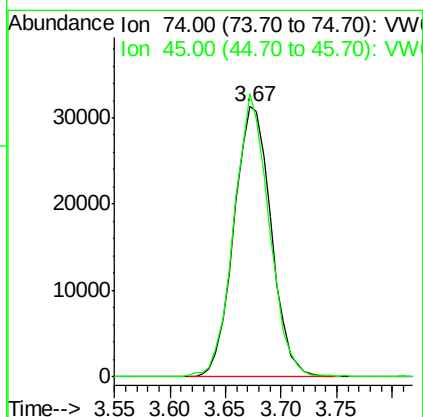
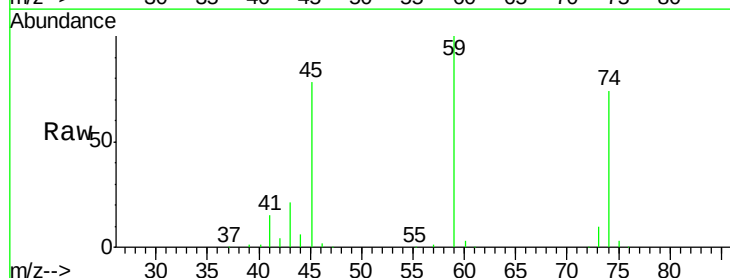
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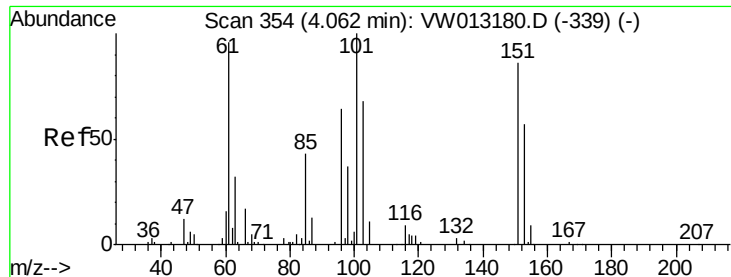


#8

Diethyl Ether
Concen: 57.390 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.01 min
Lab File: VW013208.D
Acq: 21 Sep 2019 03:03

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.5	49.5	148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.979 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW013208.D

Acq: 21 Sep 2019 03:03

Instrument :

MSVOA_W

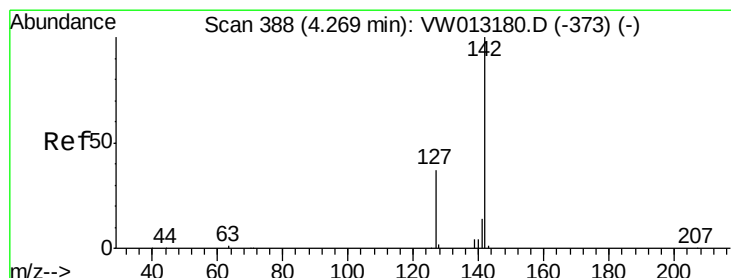
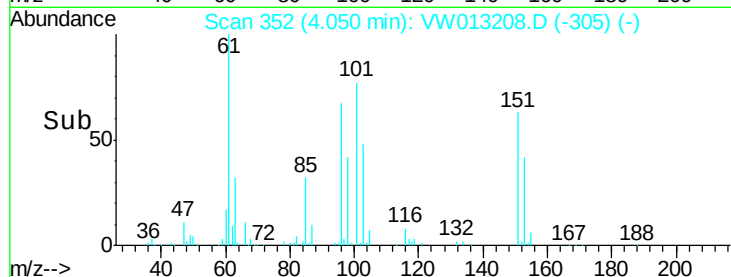
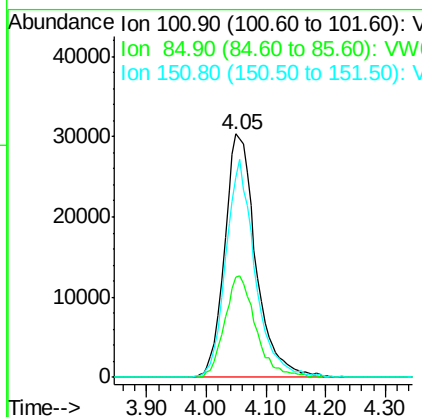
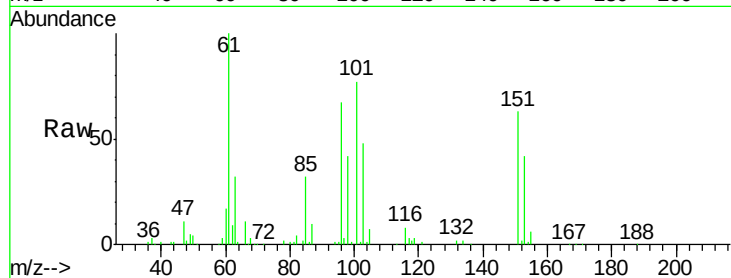
ClientSampleId :

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Tot Ion:	101	Resp:	110859
Ion Ratio	Lower	Upper	
101	100		
85	41.5	33.4	50.0
151	83.6	66.9	100.3

Manual Integrations
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#10

Methyl Iodide

Concen: 40.082 ug/l

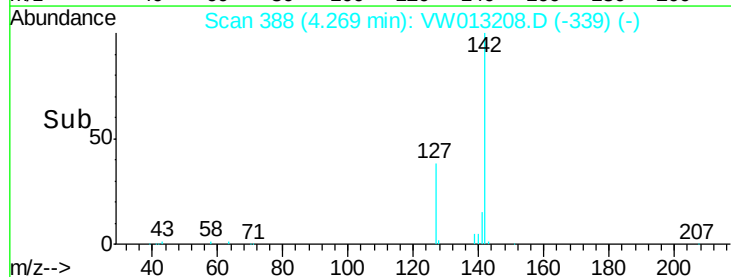
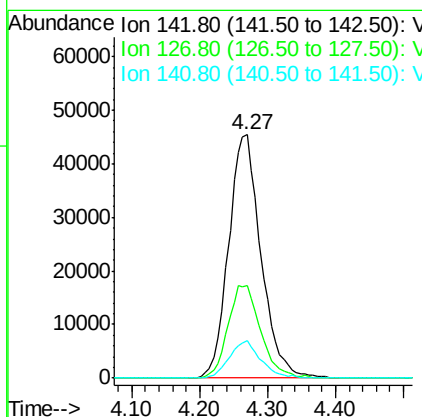
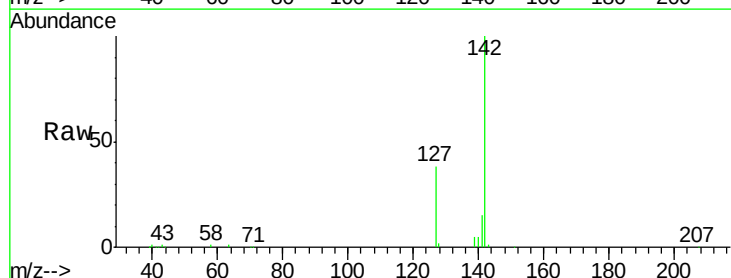
RT: 4.27 min Scan# 388

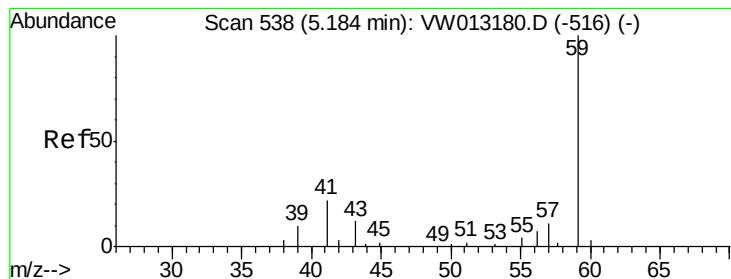
Delta R.T. -0.00 min

Lab File: VW013208.D

Acq: 21 Sep 2019 03:03

Tgt Ion:	142	Resp:	149834
Ion Ratio	Lower	Upper	
142	100		
127	38.6	30.9	46.3
141	14.9	11.7	17.5





#11

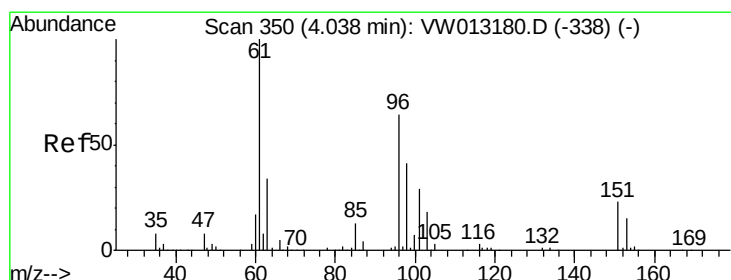
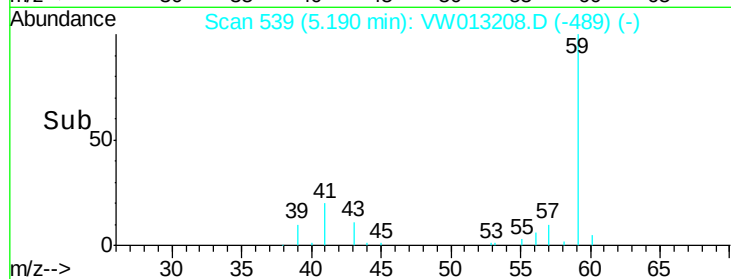
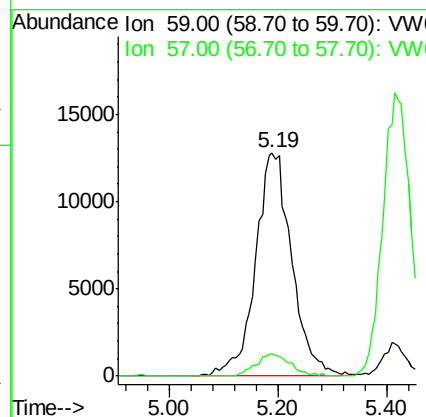
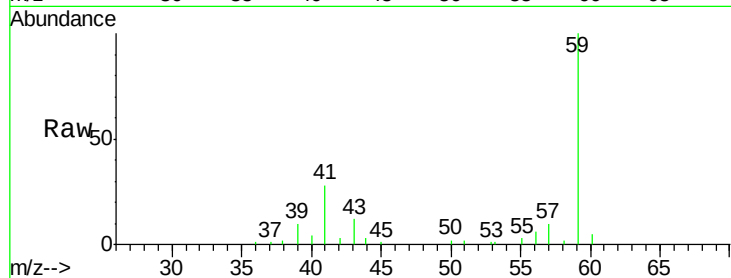
Tert butyl alcohol
 Concen: 379.580 ug/l
 RT: 5.19 min Scan# 539
 Delta R.T. 0.01 min
 Lab File: VW013208.D
 Acq: 21 Sep 2019 03:03

Instrument :
 MSVOA_W
 ClientSampleId :
 982-S-3-(19)MS

Tot Ion	Ratio	Resp	Lower	Upper
59	100	59087		
57	9.3		8.2	12.2

Manual Integrations
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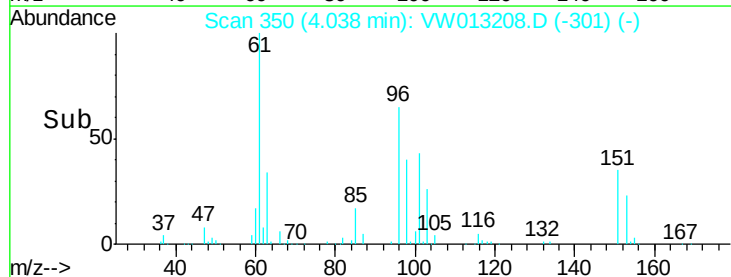
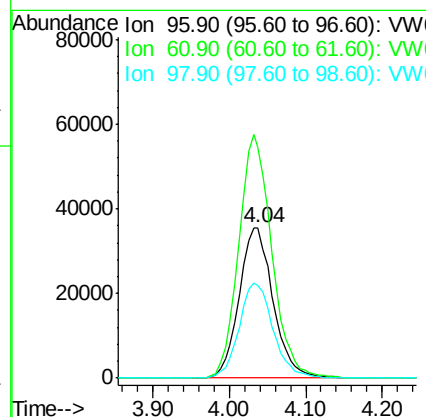
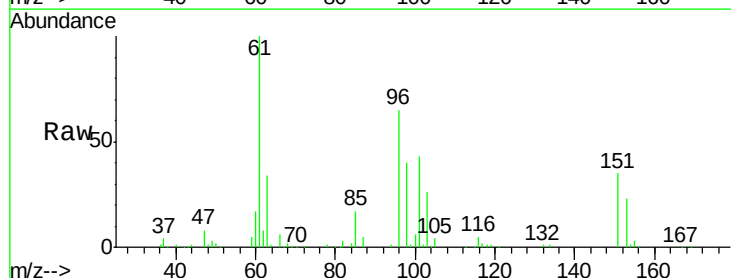
MMDadoda
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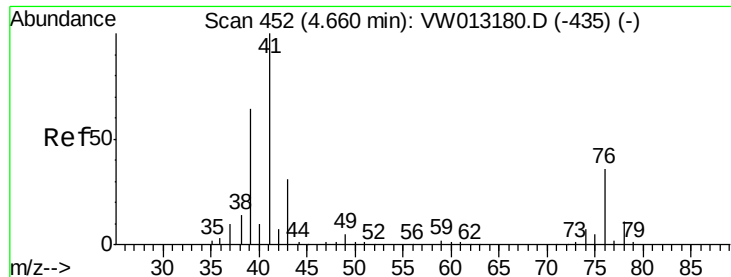


#12

1,1-Dichloroethene
 Concen: 43.763 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.00 min
 Lab File: VW013208.D
 Acq: 21 Sep 2019 03:03

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	109265		
61	153.4		125.1	187.7
98	61.8		50.8	76.2





#14

Allvl chloride

Concen: 38.820 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW013208.D

Acq: 21 Sep 2019 03:03

Instrument :

MSVOA_W

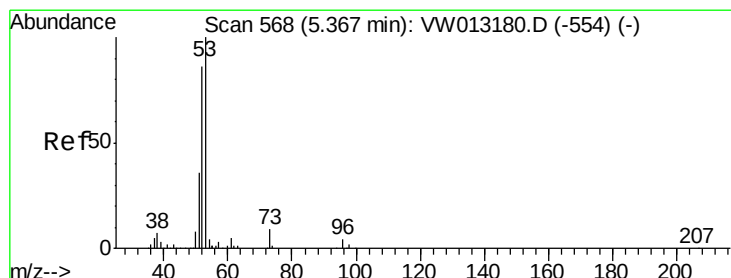
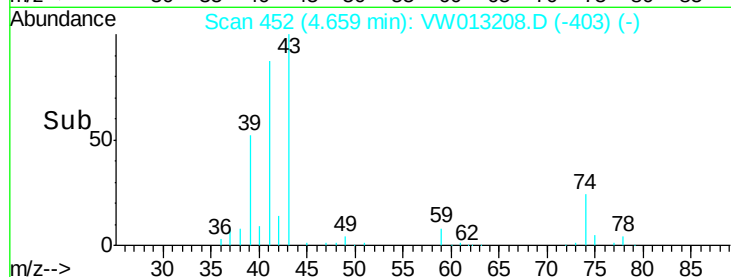
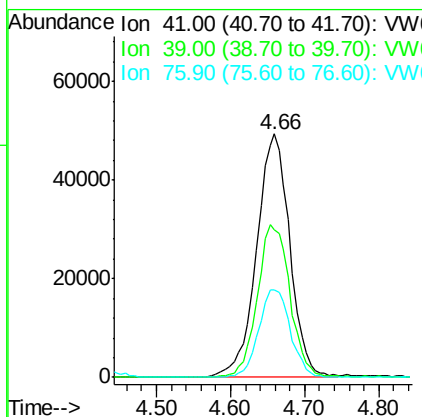
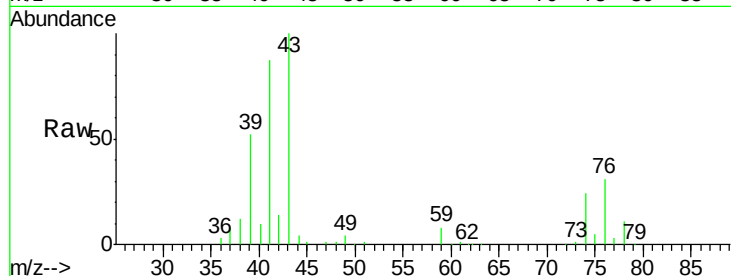
ClientSampleId :

982-S-3-(19)MS

Tot Ion:	41	Resp:	154253
Ion	Ratio	Lower	Upper
41	100		
39	61.6	51.0	76.4
76	34.5	28.4	42.6

Manual Integrations
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9/24/2019 5:29:04 AM



#15

Acrylonitrile

Concen: 339.795 ug/l

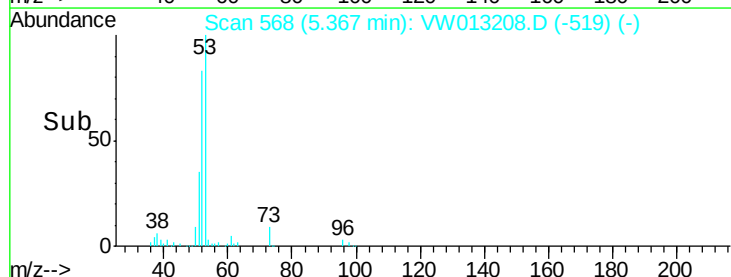
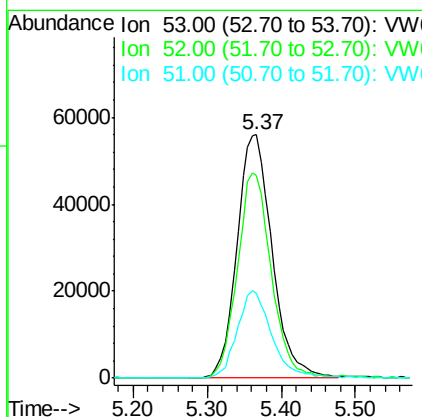
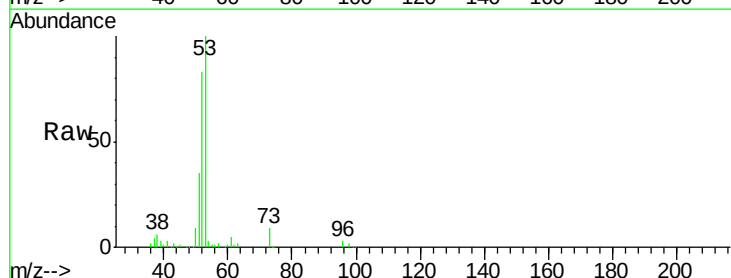
RT: 5.37 min Scan# 568

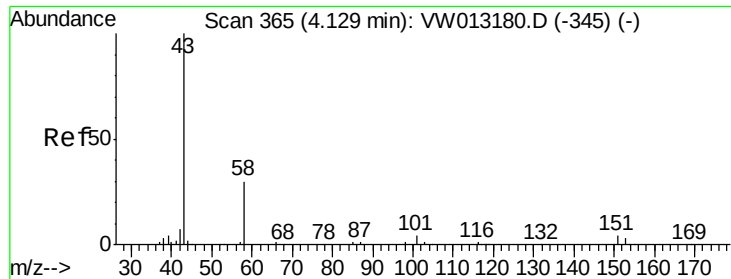
Delta R.T. -0.00 min

Lab File: VW013208.D

Acq: 21 Sep 2019 03:03

Tgt Ion:	53	Resp:	185522
Ion	Ratio	Lower	Upper
53	100		
52	81.8	65.3	97.9
51	35.1	29.0	43.4





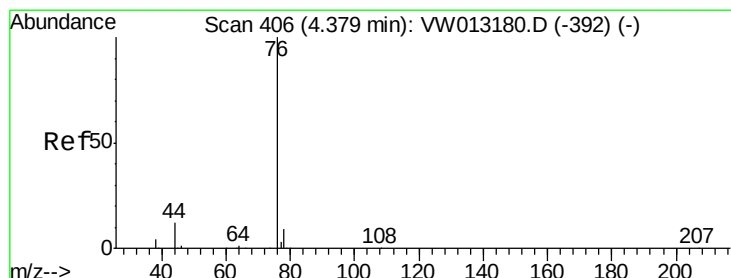
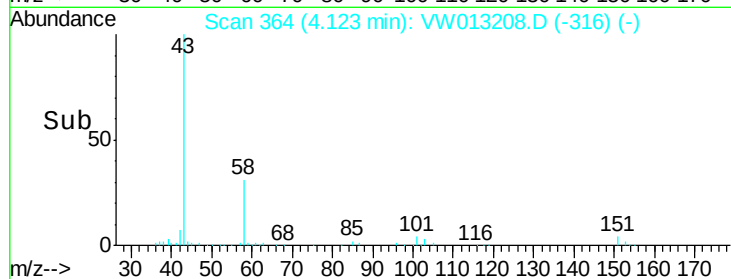
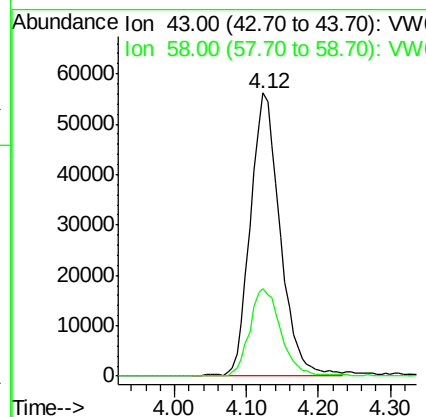
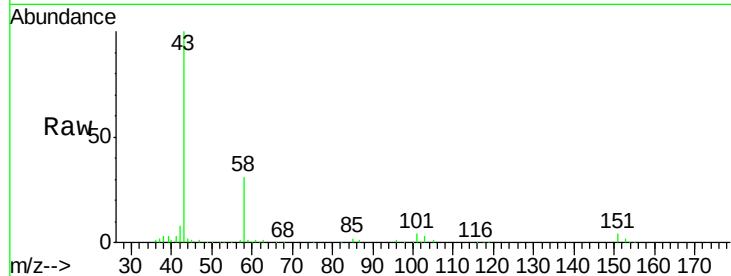
#16
Acetone
Concen: 323.723 ug/l
RT: 4.12 min Scan# 364
Delta R.T. -0.01 min
Lab File: VW013208.D
Acq: 21 Sep 2019 03:03

Instrument :
MSVOA_W
ClientSampleId :
982-S-3-(19)MS

Tot Ion: 43 Resp: 160073
Ion Ratio Lower Upper
43 100
58 31.0 24.1 36.1

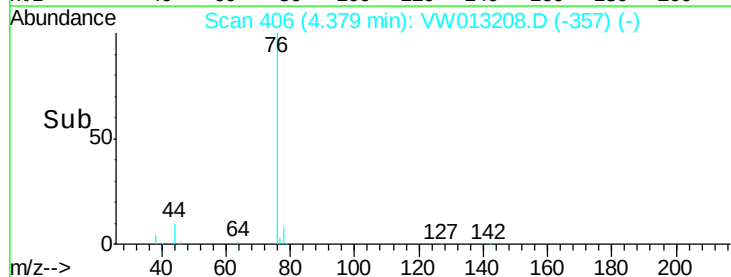
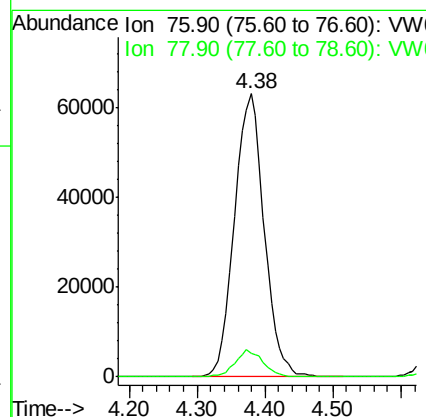
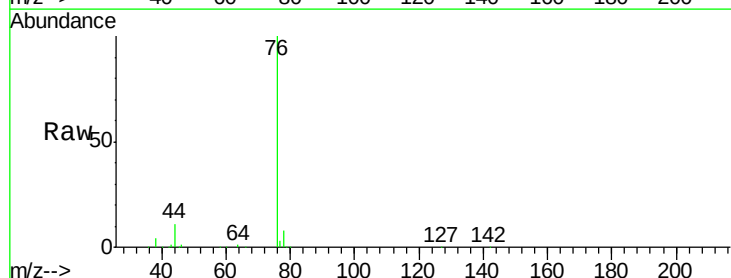
Manual Integrations
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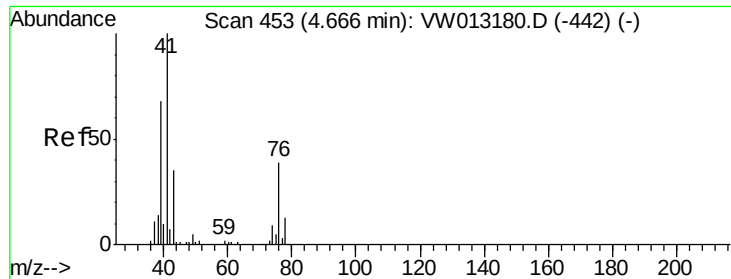
MMDadoda
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#17
Carbon Disulfide
Concen: 26.477 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.00 min
Lab File: VW013208.D
Acq: 21 Sep 2019 03:03

Tgt Ion: 76 Resp: 191070
Ion Ratio Lower Upper
76 100
78 8.5 7.0 10.4





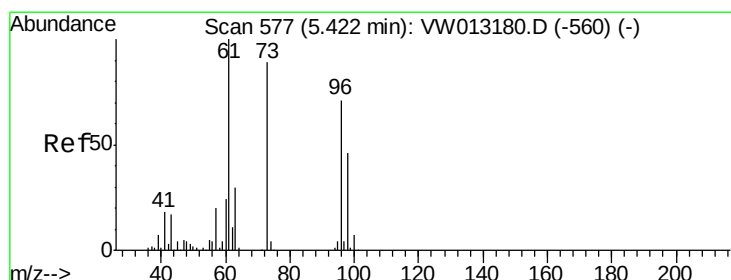
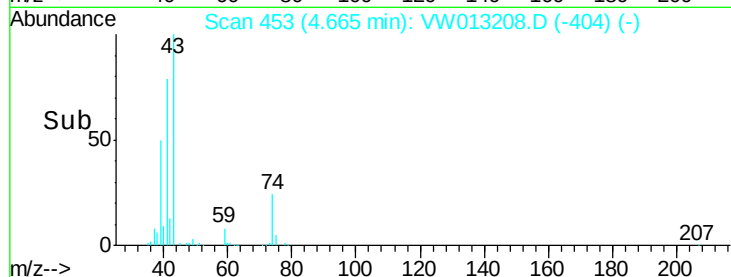
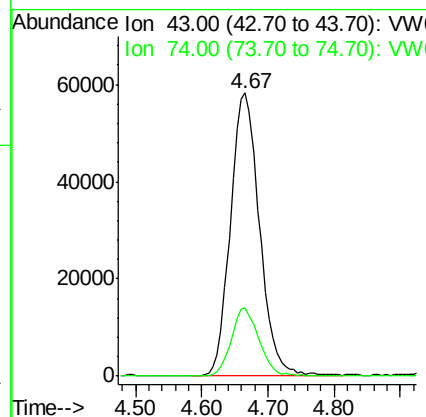
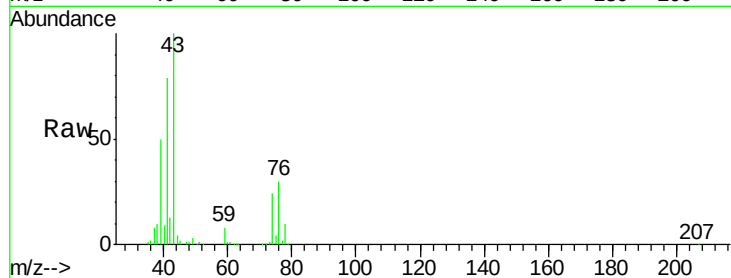
#18
Methvl Acetate
Concen: 126.650 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW013208.D
Acq: 21 Sep 2019 03:03

Instrument :
MSVOA_W
ClientSampleId :
982-S-3-(19)MS

Tot Ion	43	Resp	176039
Ion Ratio	43	100	
Lower	74	23.0	19.3
Upper			28.9

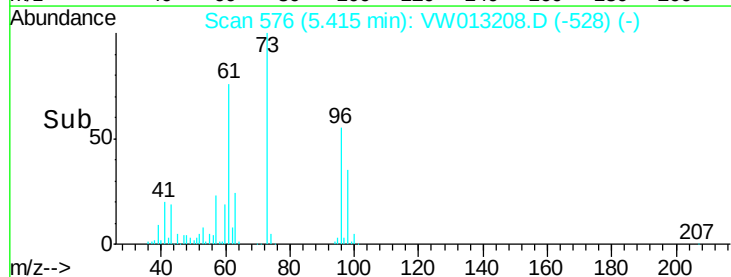
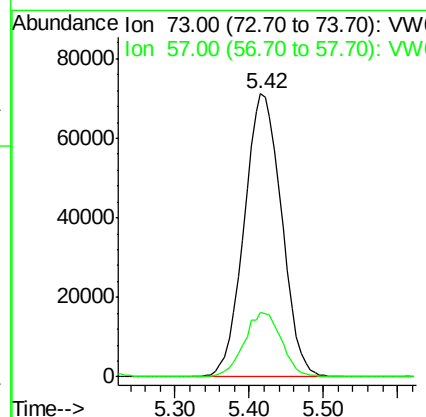
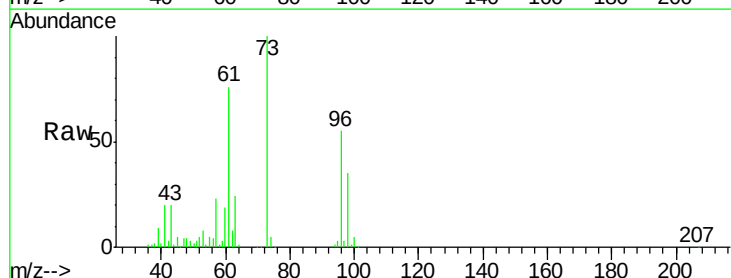
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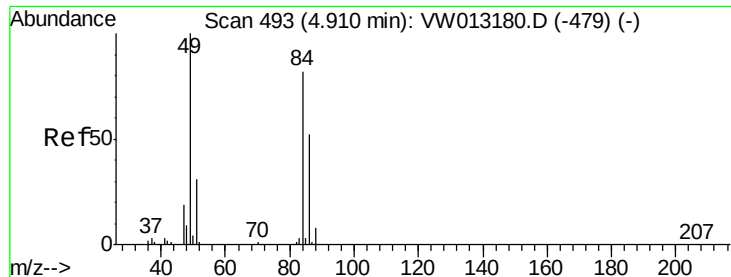
MMDadoda
9/24/2019 5:29:04 AM



#19
Methyl tert-butyl Ether
Concen: 65.632 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW013208.D
Acq: 21 Sep 2019 03:03

Tgt Ion	73	Resp	251143
Ion Ratio	73	100	
Lower	57	22.8	17.6
Upper			26.4





#20

Methylene Chloride

Concen: 57.434 ug/l

RT: 4.91 min Scan# 493

Delta R.T. 0.00 min

Lab File: VW013208.D

Acq: 21 Sep 2019 03:03

Instrument :

MSVOA_W

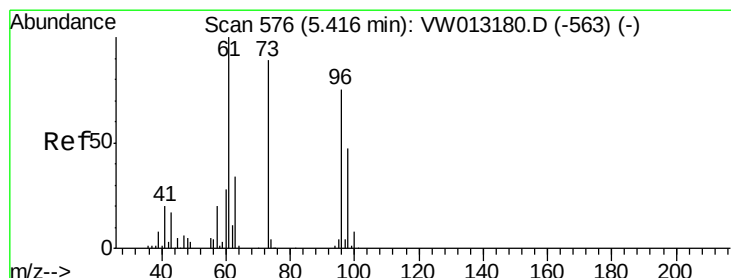
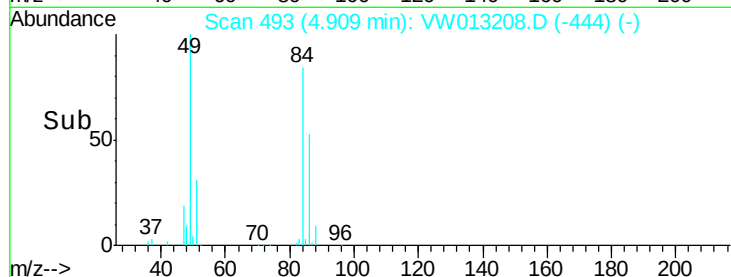
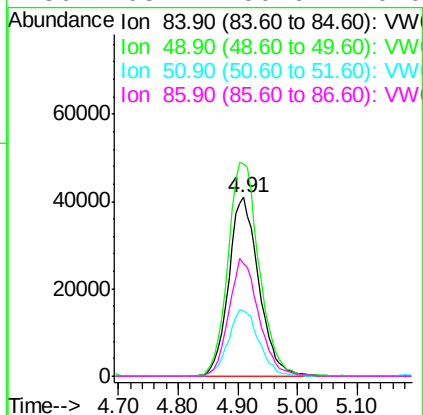
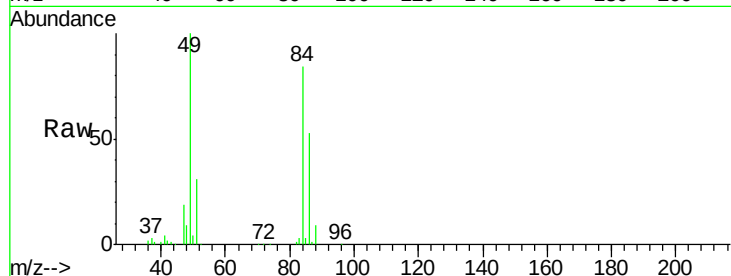
ClientSampleId :

982-S-3-(19)MS

Tot Ion:	84	Resp:	144152
Ion	Ratio	Lower	Upper
84	100		
49	118.8	97.6	146.4
51	36.8	30.2	45.2
86	63.1	50.6	76.0

Manual Integrations
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MMDadoda
9/24/2019 5:29:04 AM



#21

trans-1,2-Dichloroethene

Concen: 43.732 ug/l

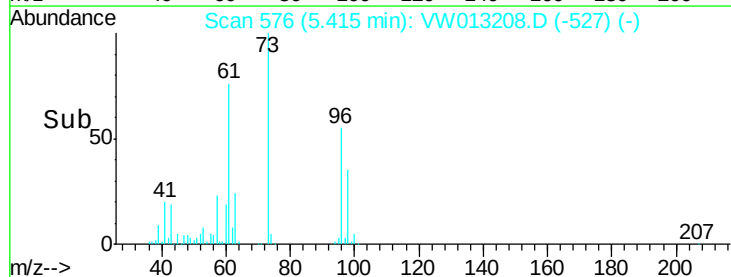
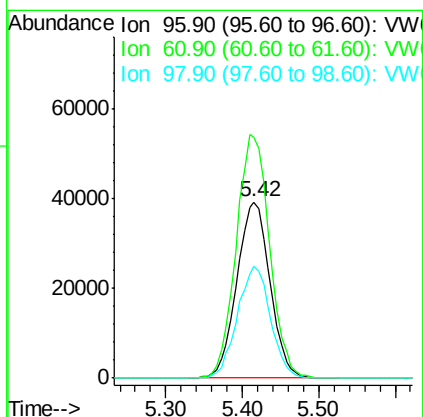
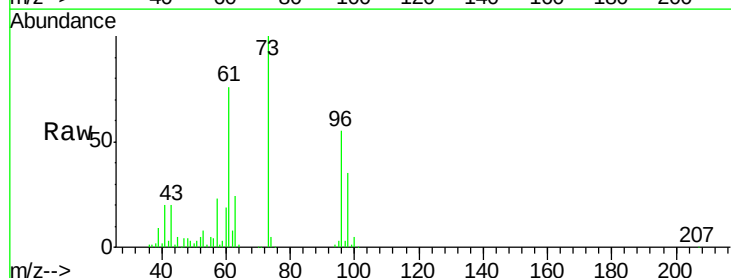
RT: 5.42 min Scan# 576

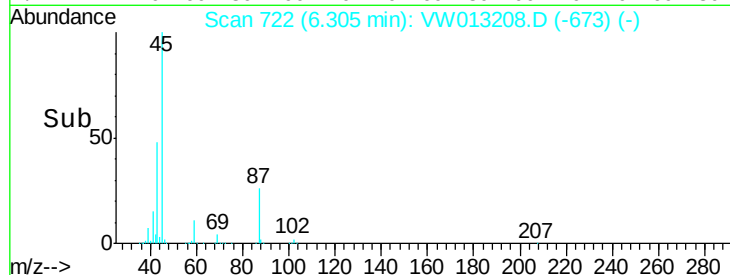
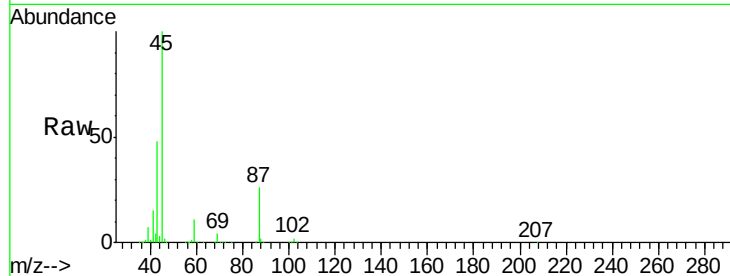
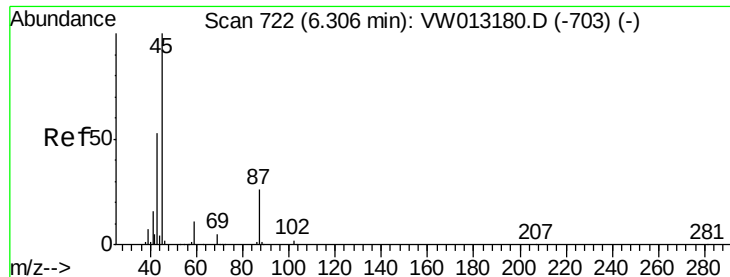
Delta R.T. -0.00 min

Lab File: VW013208.D

Acq: 21 Sep 2019 03:03

Tgt Ion:	96	Resp:	118011
Ion	Ratio	Lower	Upper
96	100		
61	136.9	106.6	159.8
98	63.4	49.8	74.8





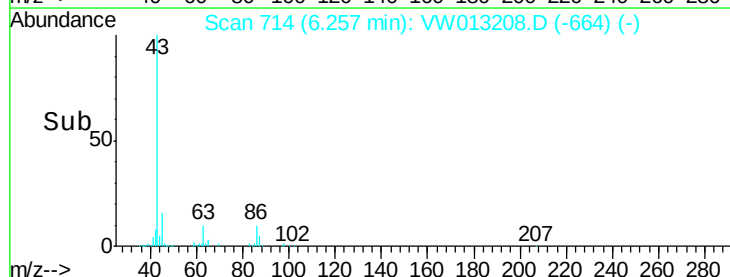
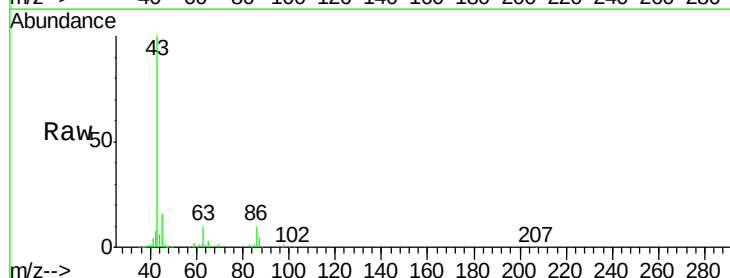
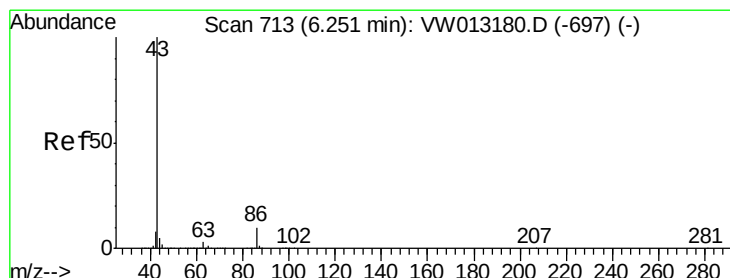
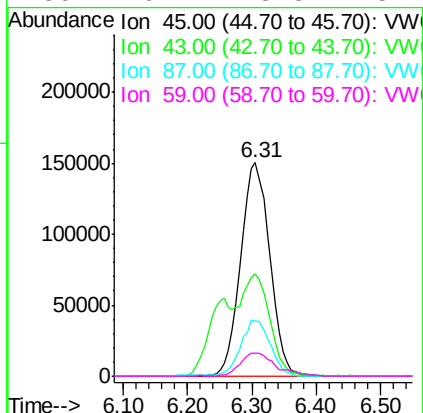
#22
Diisopropyl ether
Concen: 61.925 ug/l
RT: 6.31 min Scan# 722
Delta R.T. -0.00 min
Lab File: VW013208.D
Acq: 21 Sep 2019 03:03

Tot Ion	Ion	Ratio	Lower	Upper
45	45	100		
43	43	47.7	42.4	63.6
87	87	25.7	20.4	30.6
59	59	10.7	8.8	13.2

Instrument :
MSVOA_W
ClientSampleId :
982-S-3-(19)MS

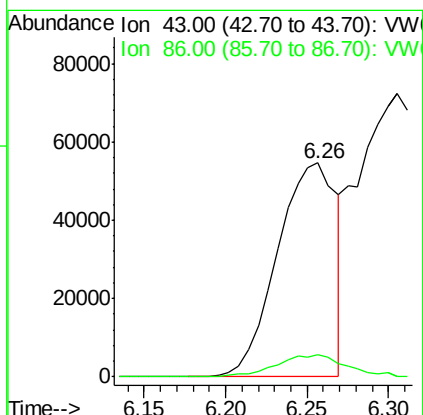
Manual Integrations
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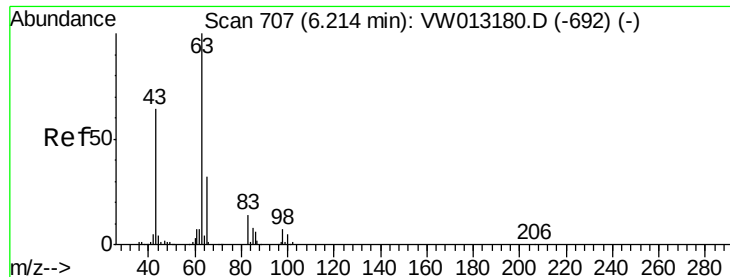
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#23
Vinyl Acetate
Concen: 30.587 ug/l
RT: 6.26 min Scan# 714
Delta R.T. 0.01 min
Lab File: VW013208.D
Acq: 21 Sep 2019 03:03

Tgt Ion	Ion	Ratio	Lower	Upper
43	43	100		
86	86	10.1	8.3	12.5





#24

1,1-Dichloroethane

Concen: 57.381 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW013208.D

Acq: 21 Sep 2019 03:03

Instrument :

MSVOA_W

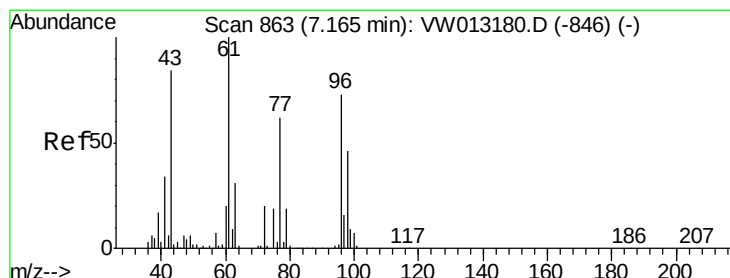
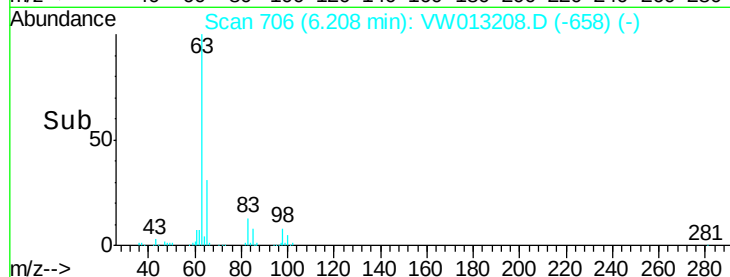
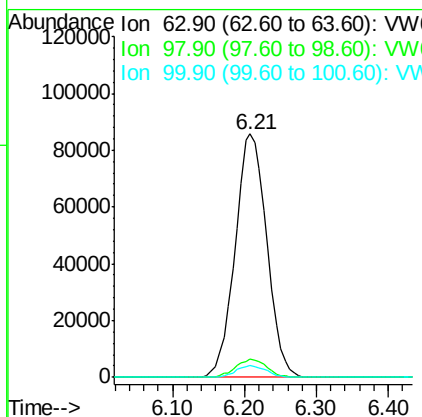
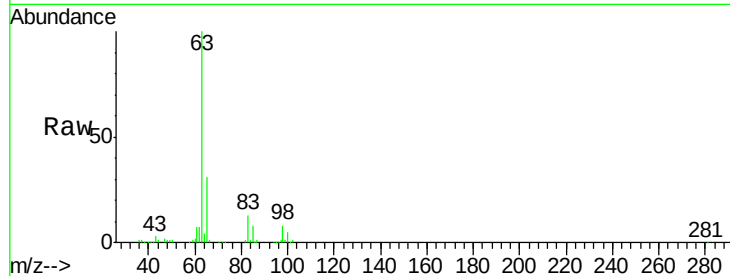
ClientSampleId :

982-S-3-(19)MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
63	100		261632		
98	7.7		3.5	10.5	
100	5.1		2.4	7.1	

Manual Integrations
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#25

2-Butanone

Concen: 327.013 ug/l

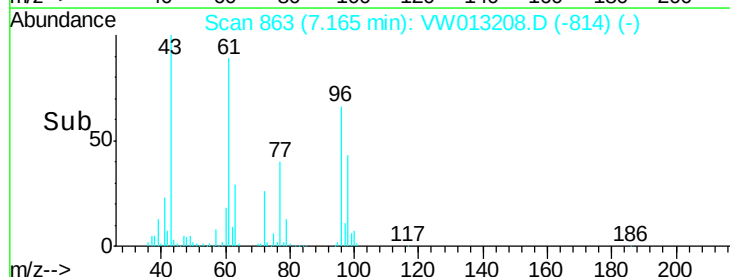
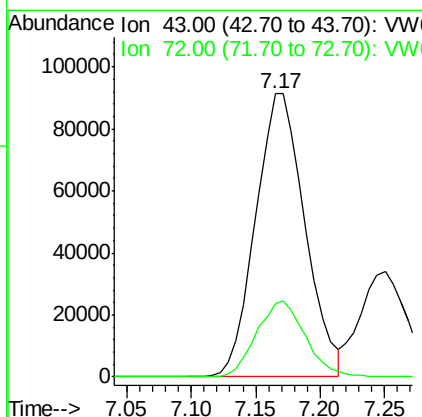
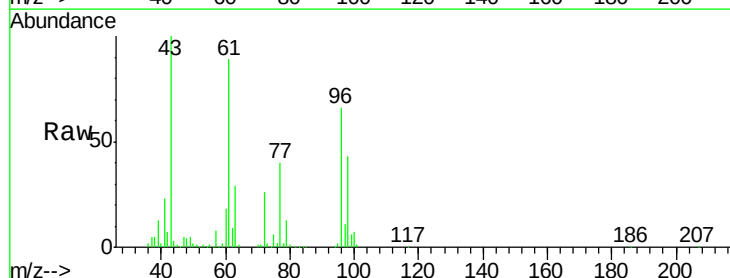
RT: 7.17 min Scan# 863

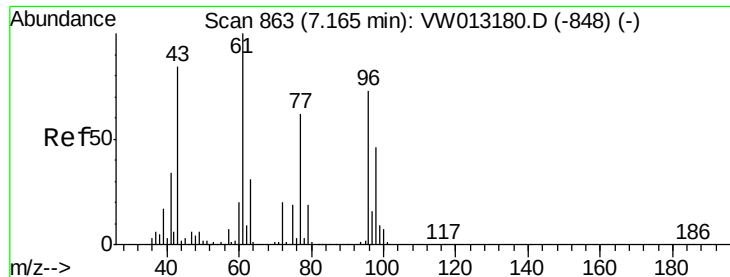
Delta R.T. -0.00 min

Lab File: VW013208.D

Acq: 21 Sep 2019 03:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
43	100		242738		
72	25.9		19.4	29.0	





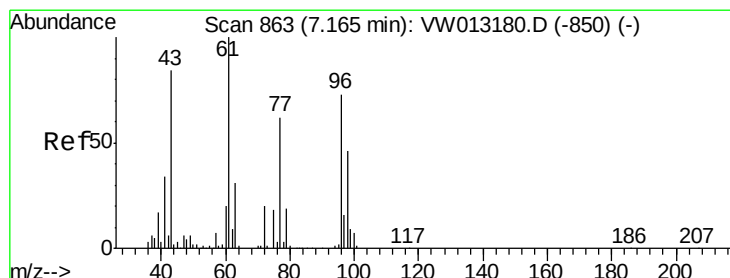
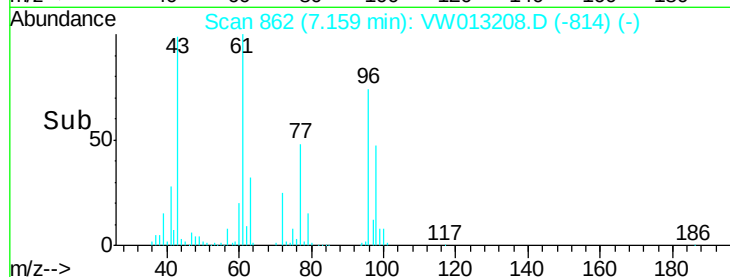
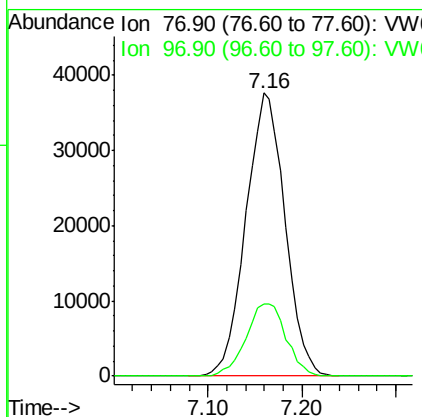
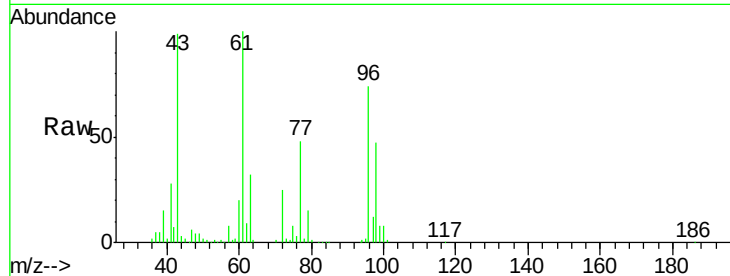
#26
 2,2-Dichloropropane
 Concen: 39.362 ug/l
 RT: 7.16 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: VW013208.D
 Acq: 21 Sep 2019 03:03

Instrument :
 MSVOA_W
 ClientSampleId :
 982-S-3-(19)MS

Tot Ion: 77 Resp: 109319
 Ion Ratio Lower Upper
 77 100
 97 26.3 11.8 35.4

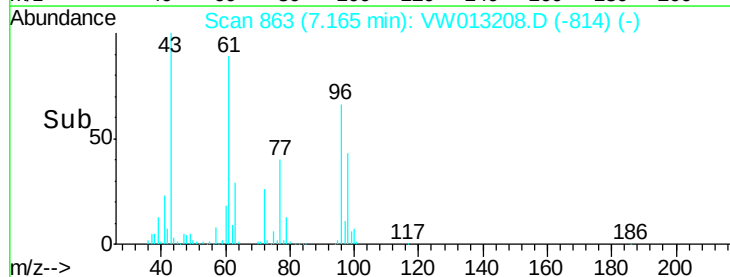
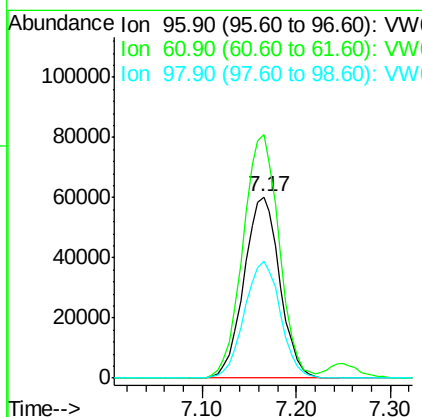
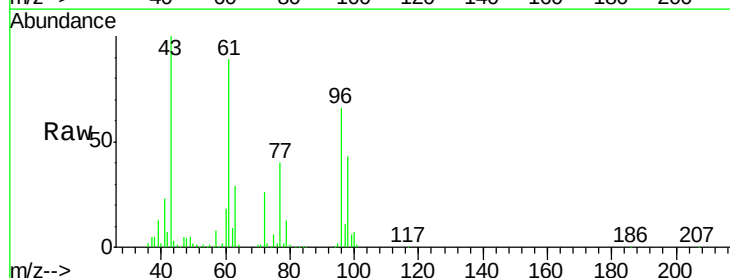
Manual Integrations
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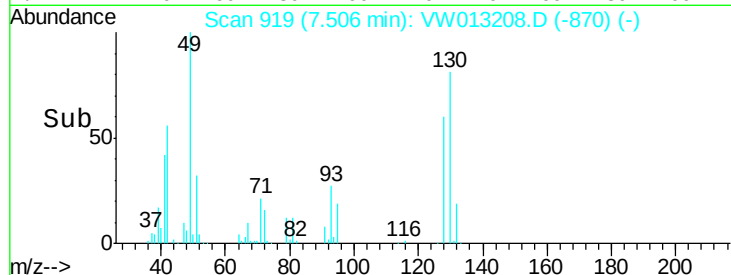
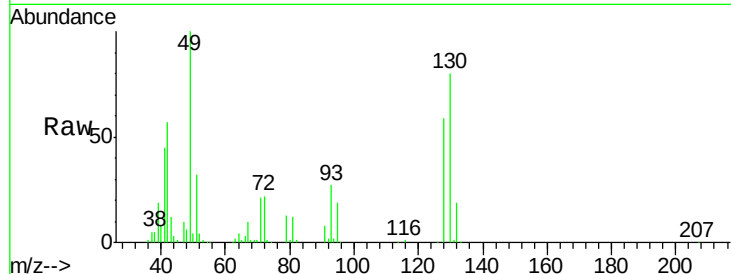
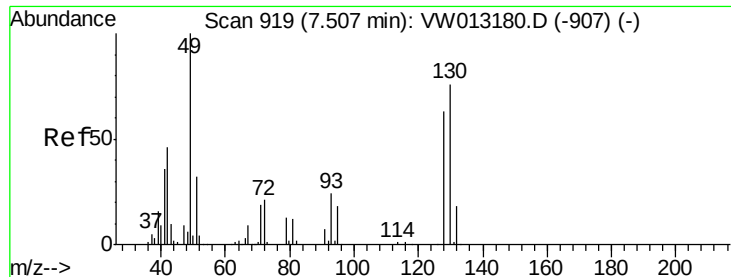
MMDadoda
 9/24/2019 5:29:04 AM



#27
 cis-1,2-Dichloroethene
 Concen: 55.811 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW013208.D
 Acq: 21 Sep 2019 03:03

Tgt Ion: 96 Resp: 158940
 Ion Ratio Lower Upper
 96 100
 61 136.1 0.0 282.4
 98 65.1 0.0 128.2





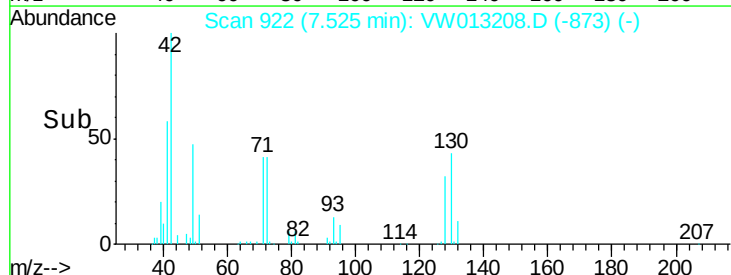
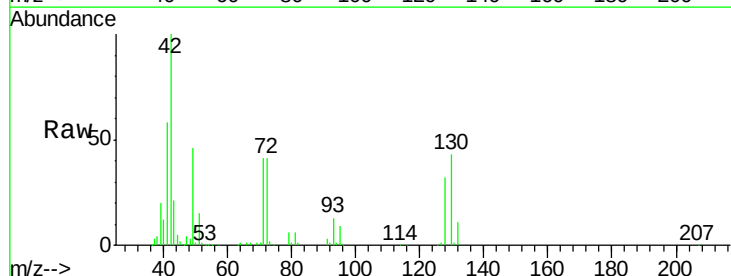
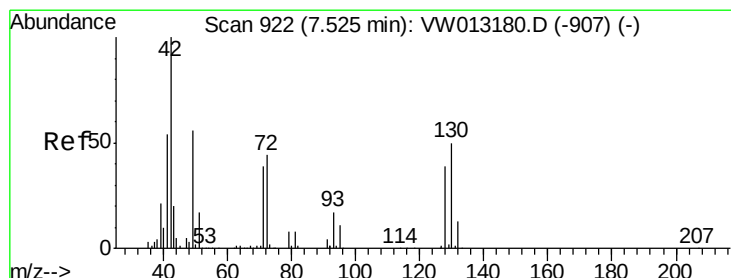
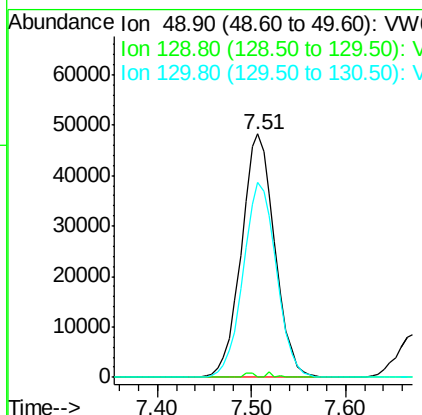
#28
Bromochloromethane
Concen: 68.167 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW013208.D
Acq: 21 Sep 2019 03:03

Tot Ion	Ratio	Lower	Upper
49	100		
129	0.6	0.0	1.0
130	80.1	63.4	95.2

Instrument :
MSVOA_W
ClientSampleId :
982-S-3-(19)MS

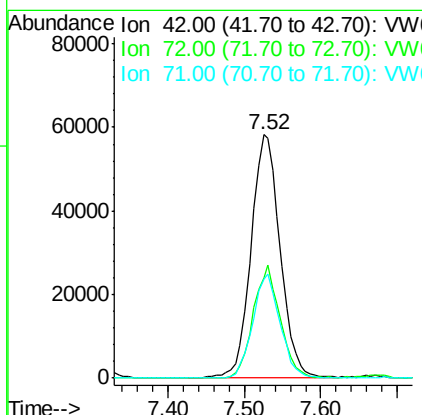
Manual Integrations
APPROVED

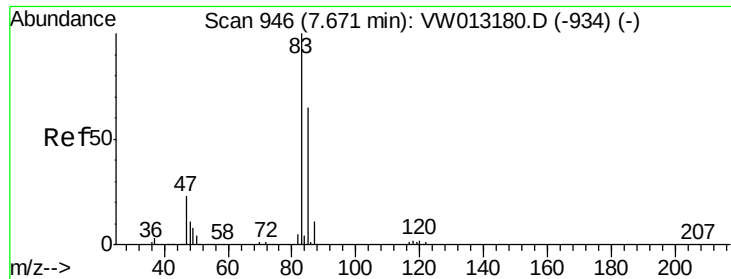
MMDadoda
9/24/2019 5:29:04 AM



#29
Tetrahydrofuran
Concen: 340.652 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.00 min
Lab File: VW013208.D
Acq: 21 Sep 2019 03:03

Tgt Ion	Ratio	Lower	Upper
42	100		
72	42.7	33.9	50.9
71	40.1	31.9	47.9





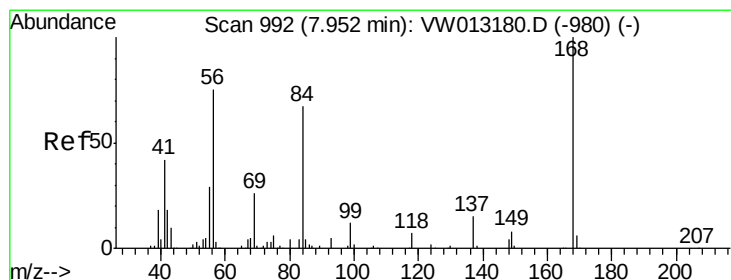
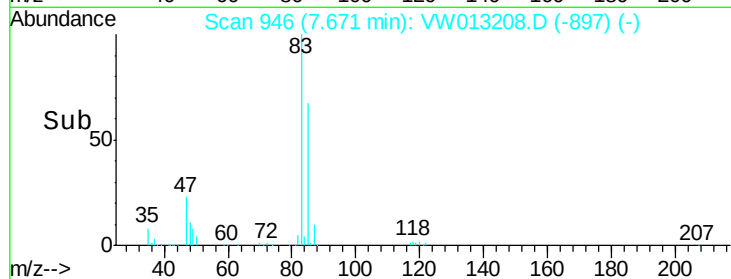
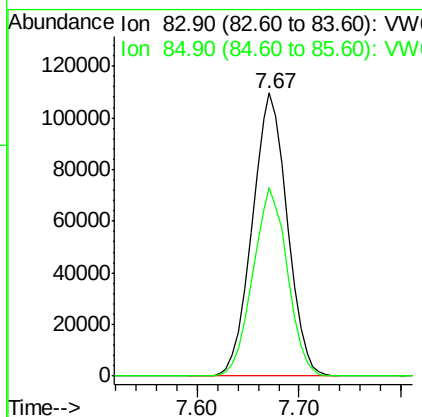
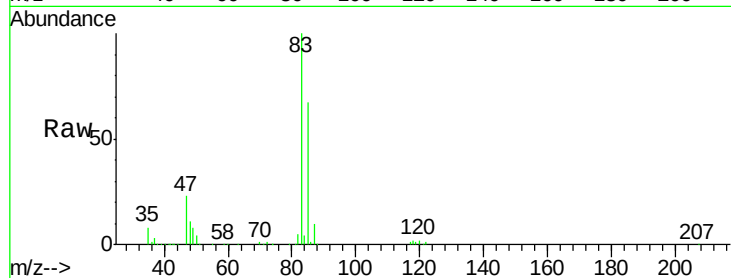
#30
Chloroform
Concen: 58.486 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW013208.D
Acq: 21 Sep 2019 03:03

Instrument :
MSVOA_W
ClientSampleId :
982-S-3-(19)MS

Tot Ion	83	Resp	261081
Ion Ratio	100	Lower	Upper
85	66.7	52.3	78.5

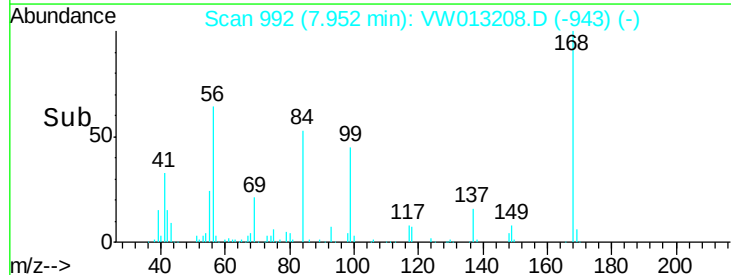
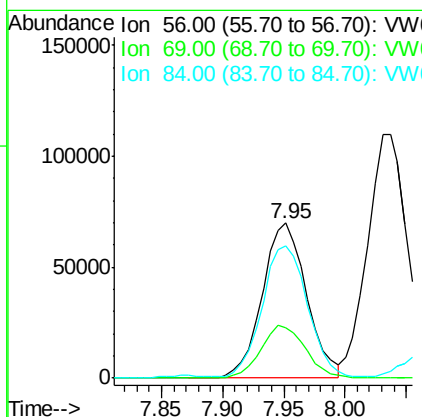
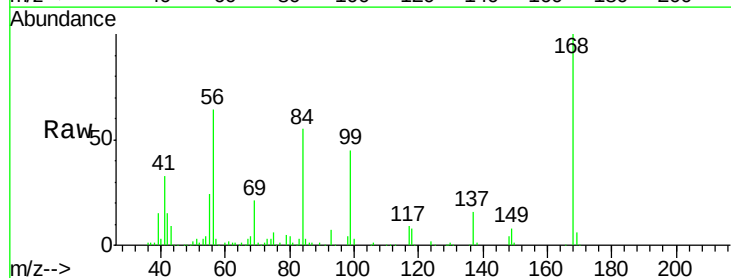
Manual Integrations
APPROVED

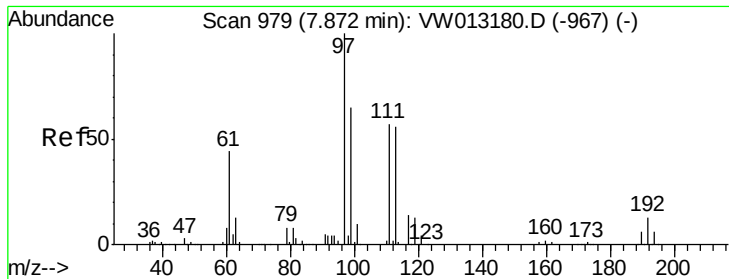
MMDadoda
9/24/2019 5:29:04 AM



#31
Cyclohexane
Concen: 37.105 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW013208.D
Acq: 21 Sep 2019 03:03

Tgt Ion	56	Resp	176357
Ion Ratio	100	Lower	Upper
69	32.5	27.2	40.8
84	83.9	70.8	106.2





#32

1,1,1-Trichloroethane

Concen: 53.471 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW013208.D

Acq: 21 Sep 2019 03:03

Instrument :

MSVOA_W

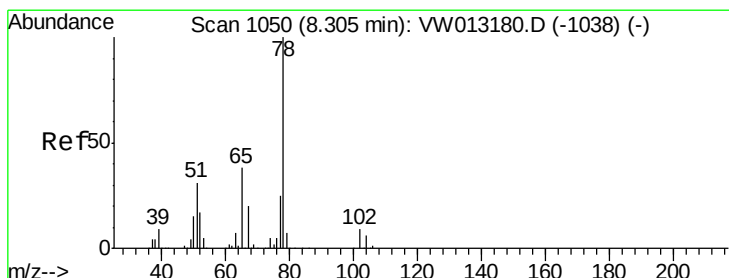
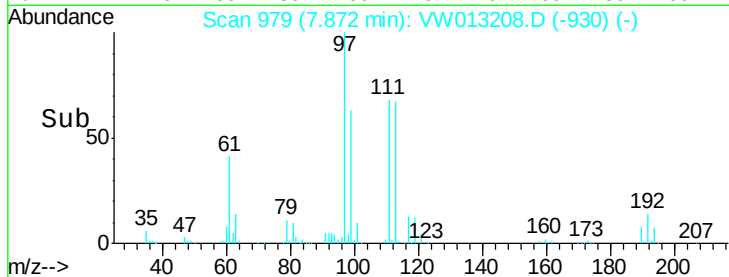
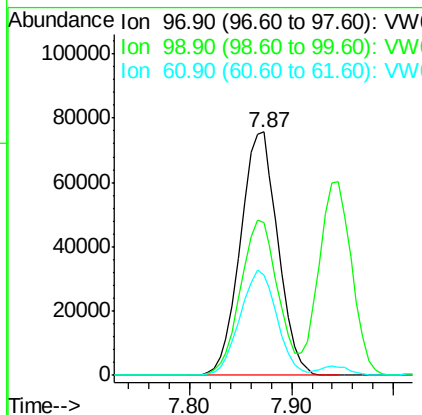
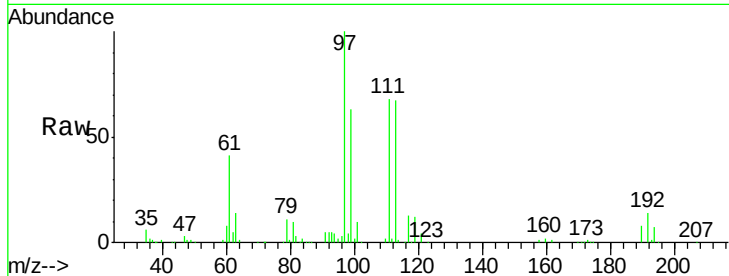
ClientSampleId :

982-S-3-(19)MS

Tot Ion:	97	Resp:	193321
Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.7	77.5
61	42.5	34.6	51.8

Manual Integrations
APPROVED

MMDadoda
9/24/2019 5:29:04 AM



#33

1,2-Dichloroethane-d4

Concen: 66.330 ug/l

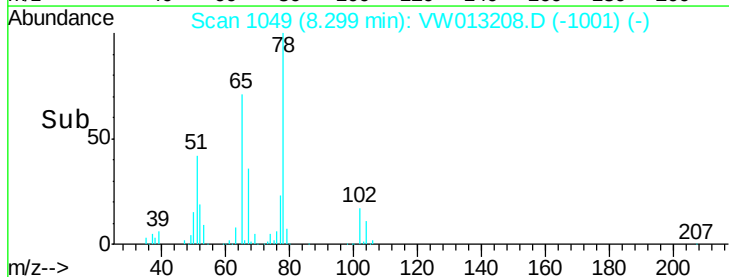
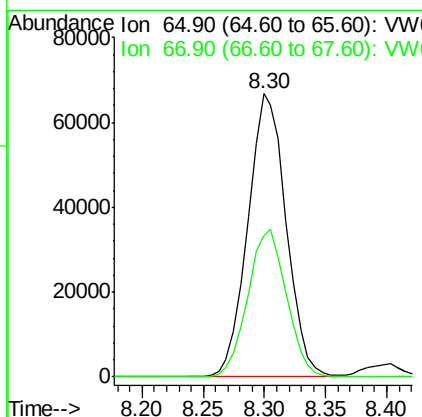
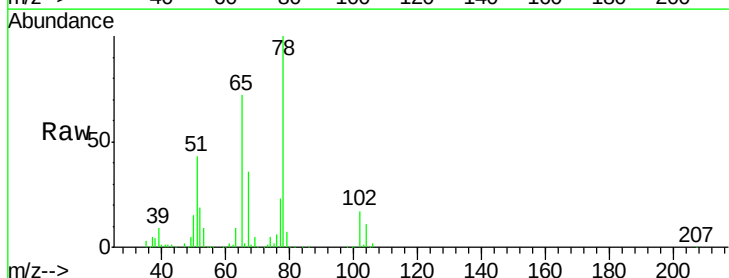
RT: 8.30 min Scan# 1049

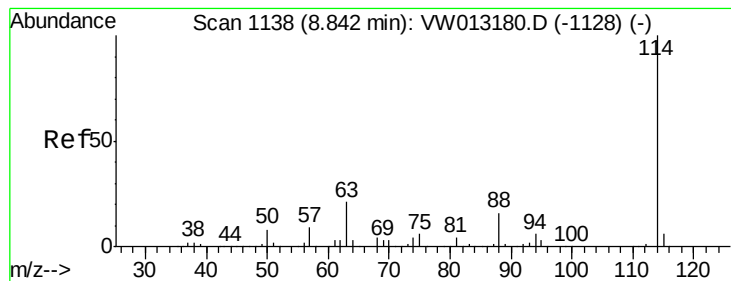
Delta R.T. -0.01 min

Lab File: VW013208.D

Acq: 21 Sep 2019 03:03

Tgt Ion:	65	Resp:	145441
Ion	Ratio	Lower	Upper
65	100		
67	52.8	0.0	106.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1137

Delta R.T. -0.01 min

Lab File: VW013208.D

Acq: 21 Sep 2019 03:03

Instrument :

MSVOA_W

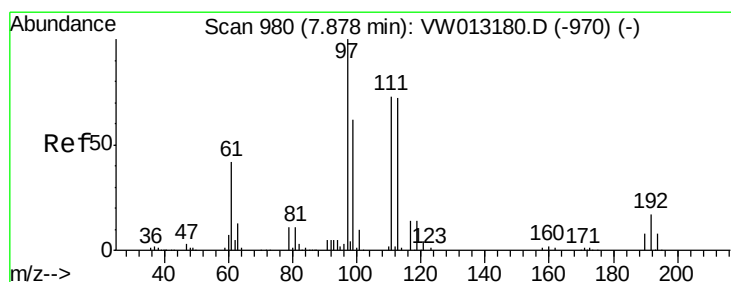
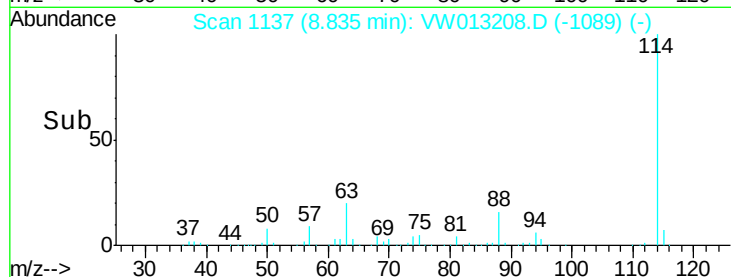
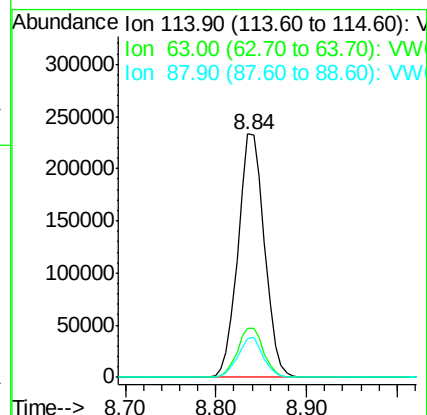
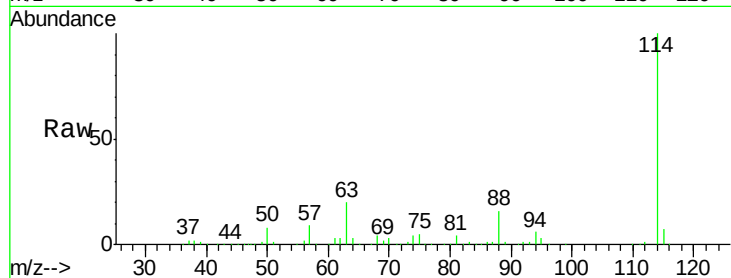
ClientSampleId :

982-S-3-(19)MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
114	100		470621		
63	20.3	0.0	41.4		
88	16.1	0.0	32.0		

Manual Integrations
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#35

Dibromofluoromethane

Concen: 53.099 ug/l

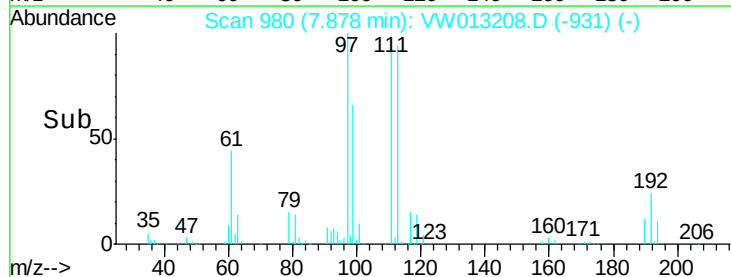
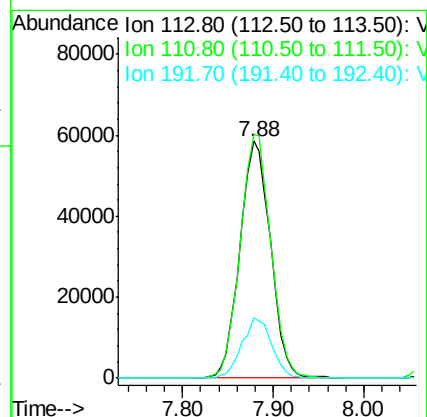
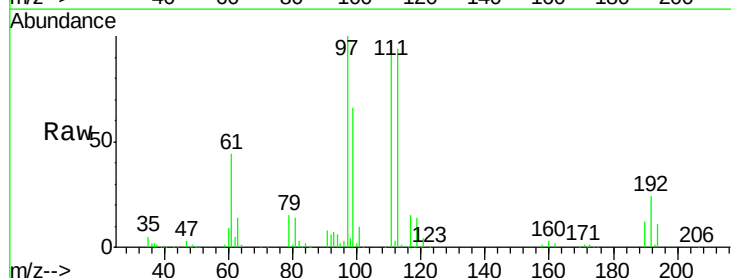
RT: 7.88 min Scan# 980

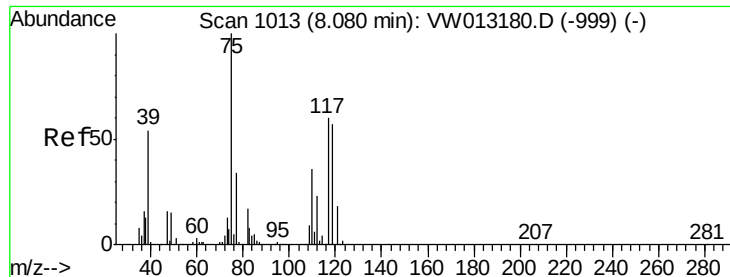
Delta R.T. -0.00 min

Lab File: VW013208.D

Acq: 21 Sep 2019 03:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
113	100		137442		
111	102.5	81.9	122.9		
192	24.5	19.1	28.7		





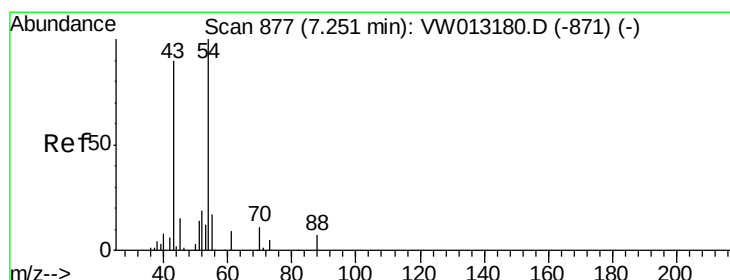
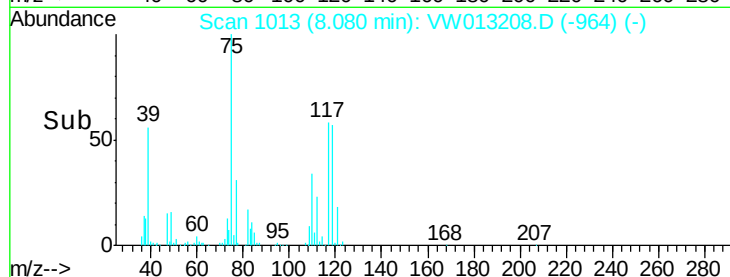
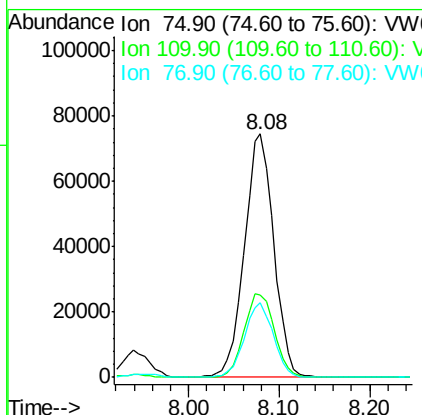
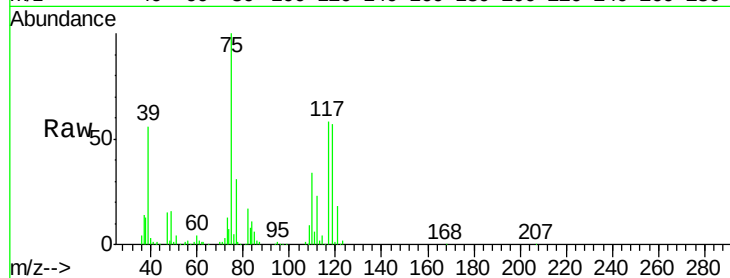
#36
 1,1-Dichloropropene
 Concen: 36.643 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW013208.D
 Acq: 21 Sep 2019 03:03

Instrument :
 MSVOA_W
 ClientSampleId :
 982-S-3-(19)MS

Tot Ion	Ratio	Lower	Upper
75	100		
110	35.3	18.1	54.3
77	30.4	25.8	38.6

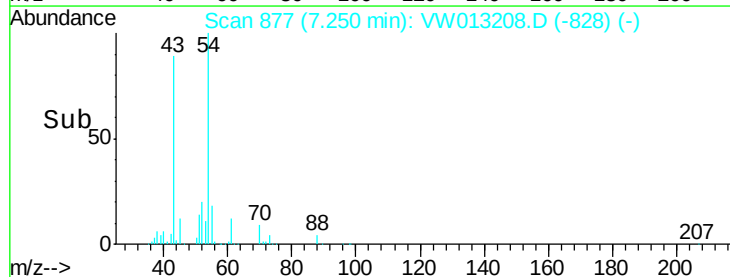
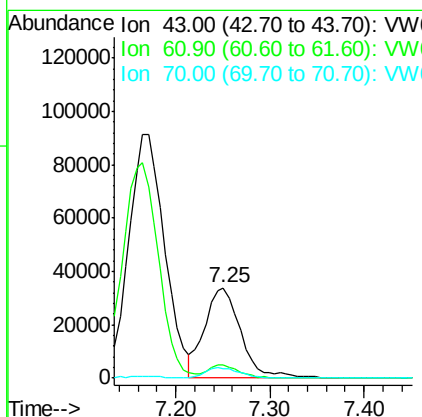
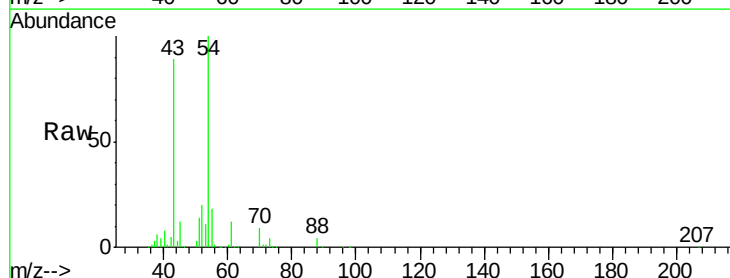
Manual Integrations
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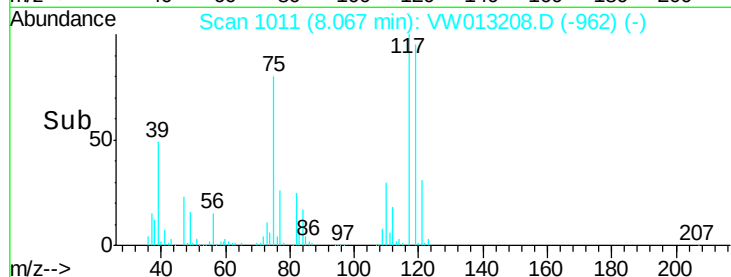
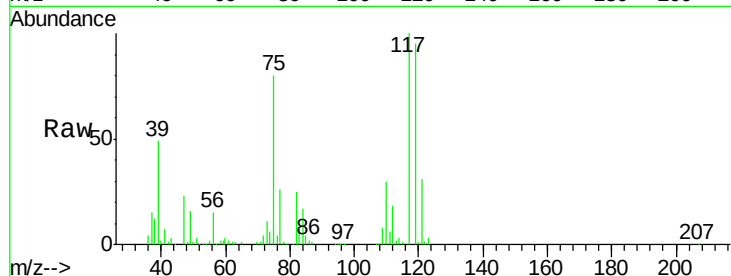
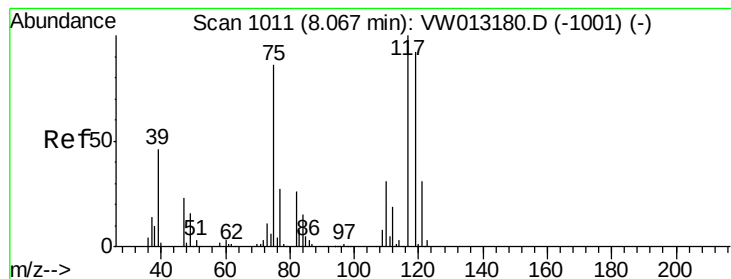
MMDadoda
 9/24/2019 5:29:04 AM



#37
 Ethyl Acetate
 Concen: 46.118 ug/l
 RT: 7.25 min Scan# 877
 Delta R.T. -0.00 min
 Lab File: VW013208.D
 Acq: 21 Sep 2019 03:03

Tgt Ion	Ratio	Lower	Upper
43	100		
61	12.9	10.9	16.3
70	10.8	8.2	12.2





#38

Carbon Tetrachloride

Concen: 41.115 ug/l

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW013208.D

Acq: 21 Sep 2019 03:03

Tot Ion:	117	Resp:	168005
Ion Ratio	Lower	Upper	
117	100		
119	95.0	73.5	110.3
121	31.3	25.0	37.6

Instrument :

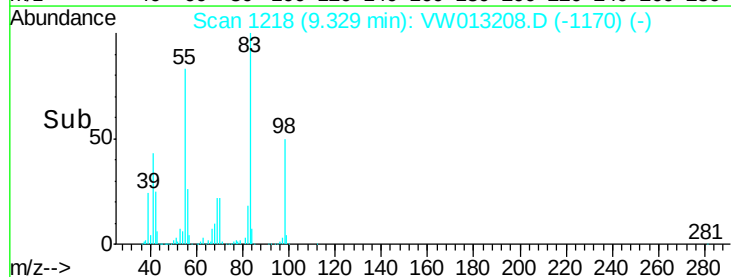
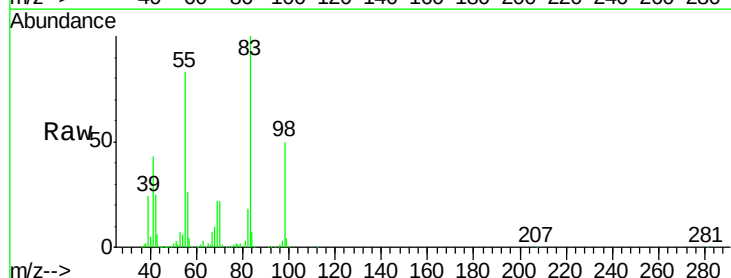
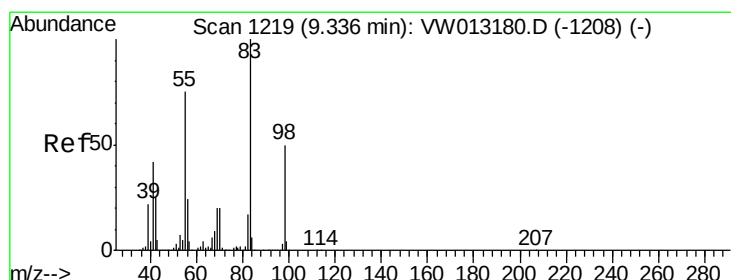
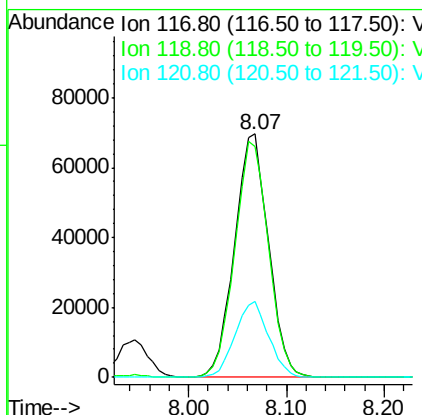
MSVOA_W

ClientSampleId :

982-S-3-(19)MS

Manual Integrations
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9/24/2019 5:29:04 AM



#39

Methylcyclohexane

Concen: 29.550 ug/l

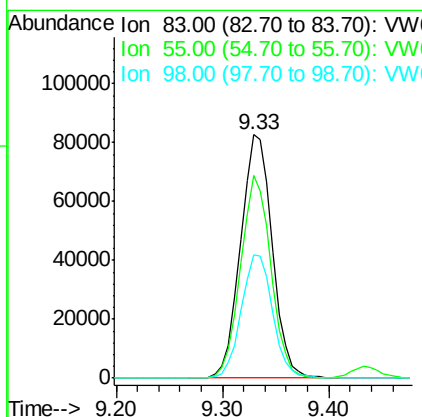
RT: 9.33 min Scan# 1218

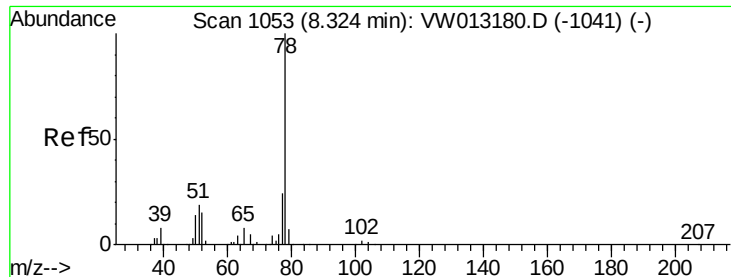
Delta R.T. -0.01 min

Lab File: VW013208.D

Acq: 21 Sep 2019 03:03

Tgt Ion:	83	Resp:	173101
Ion Ratio	Lower	Upper	
83	100		
55	83.1	60.4	90.6
98	50.4	40.0	60.0





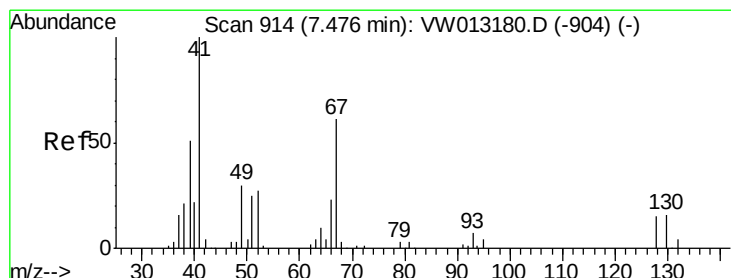
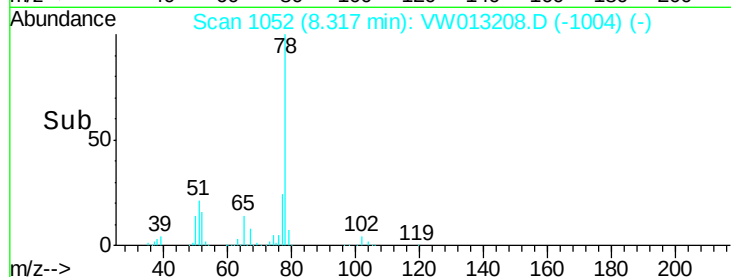
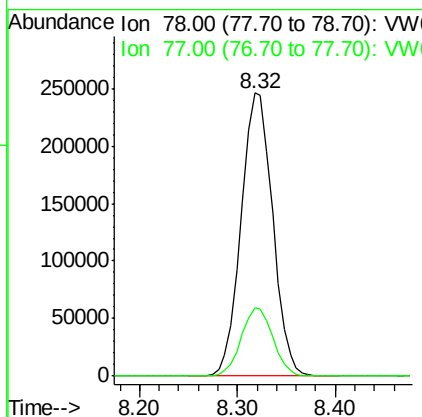
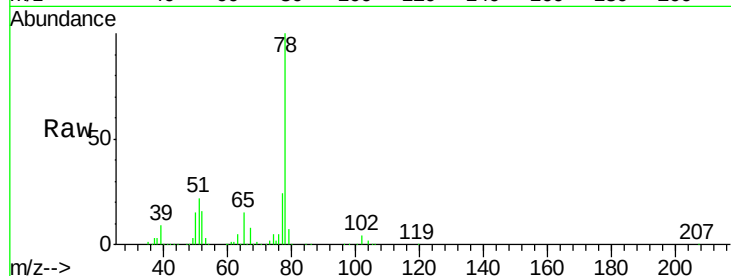
#40
Benzene
Concen: 43.392 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW013208.D
Acq: 21 Sep 2019 03:03

Instrument :
MSVOA_W
ClientSampleId :
982-S-3-(19)MS

Tot Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.1	28.7

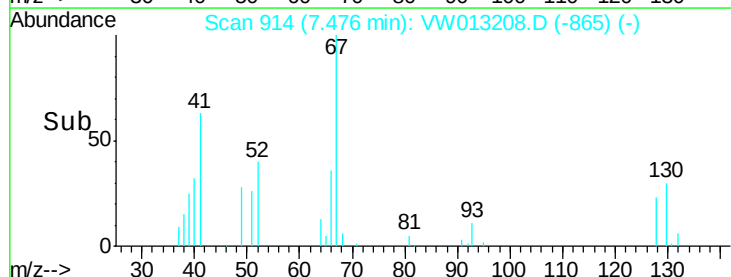
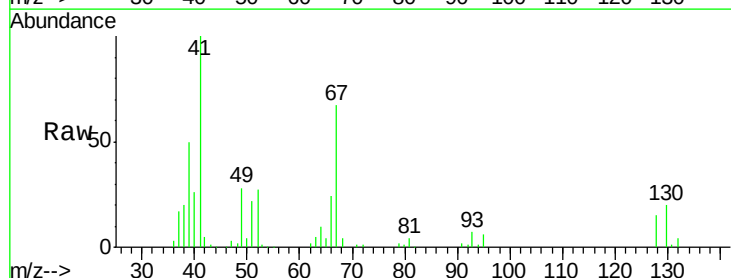
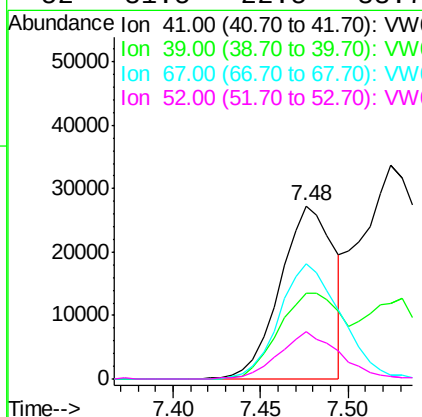
Manual Integrations
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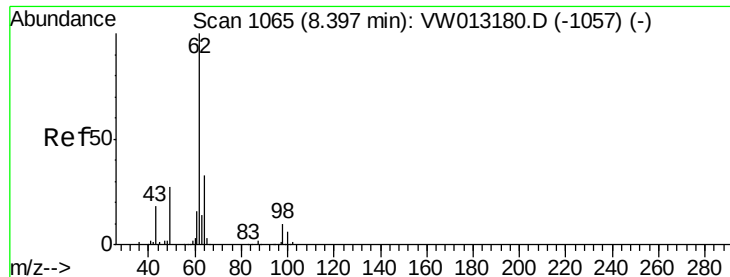
MMDadoda
9/24/2019 5:29:04 AM



#41
Methacrylonitrile
Concen: 50.623 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.00 min
Lab File: VW013208.D
Acq: 21 Sep 2019 03:03

Tgt Ion	Ratio	Lower	Upper
41	100		
39	58.2	45.9	68.9
67	77.1	54.5	81.7
52	31.5	22.5	33.7





#42

1,2-Dichloroethane

Concen: 48.871 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW013208.D

Acq: 21 Sep 2019 03:03

Instrument :

MSVOA_W

ClientSampleId :

982-S-3-(19)MS

Tot Ion: 62 Resp: 167035

Ion Ratio Lower Upper

62 100

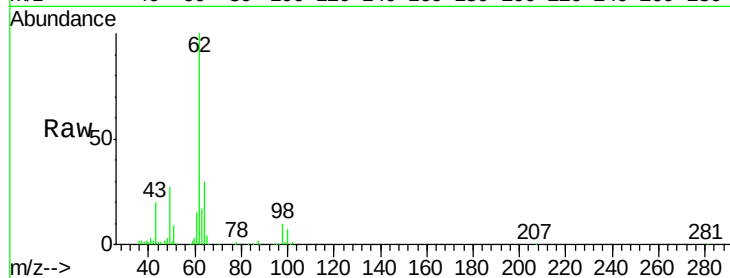
98 10.3 0.0 20.6

Manual Integrations

APPROVED

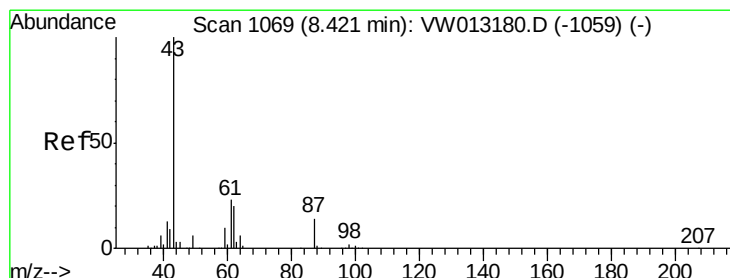
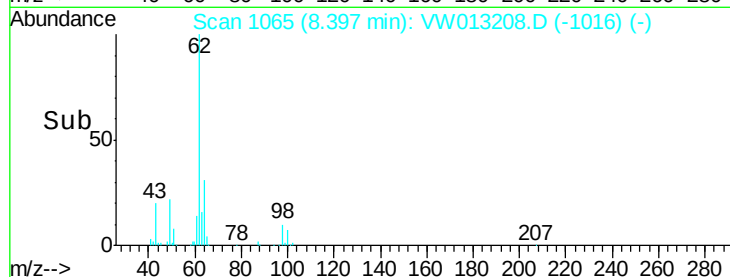
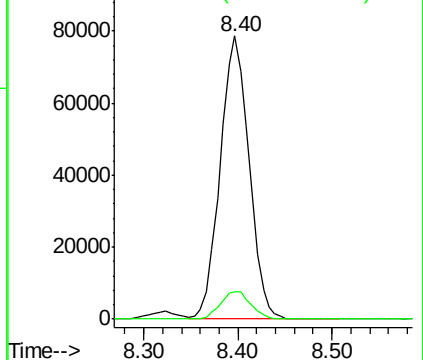
MMDadoda

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Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW



#43

Isopropyl Acetate

Concen: 50.547 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW013208.D

Acq: 21 Sep 2019 03:03

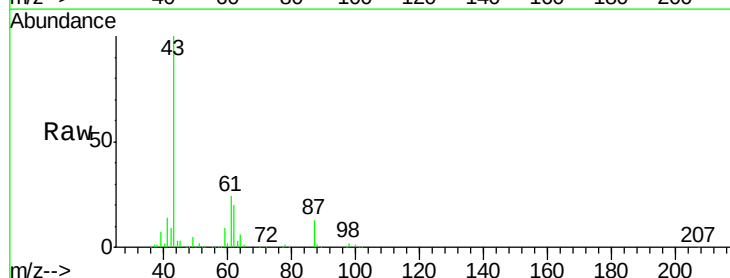
Tgt Ion: 43 Resp: 187680

Ion Ratio Lower Upper

43 100

61 30.7 25.5 38.3

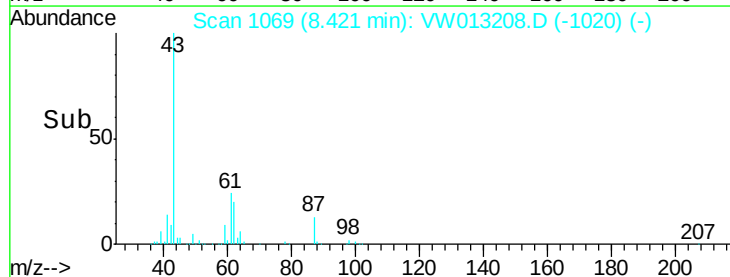
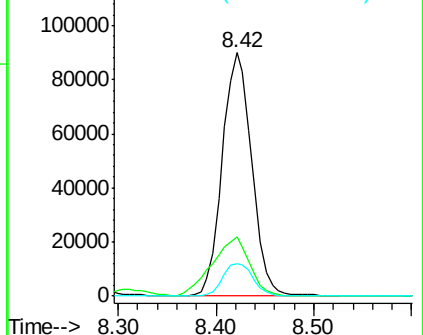
87 13.8 11.0 16.4

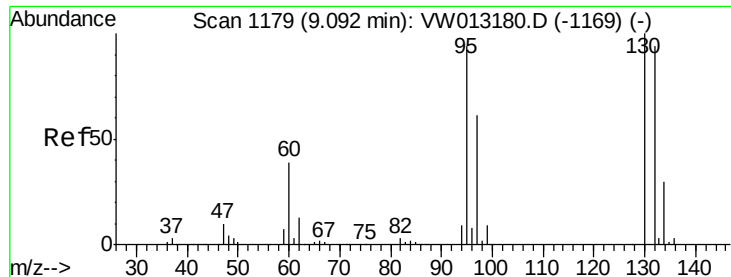


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW





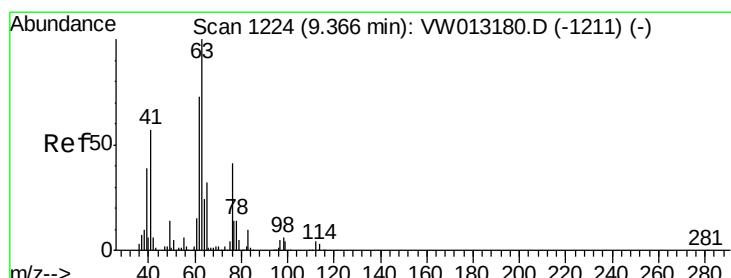
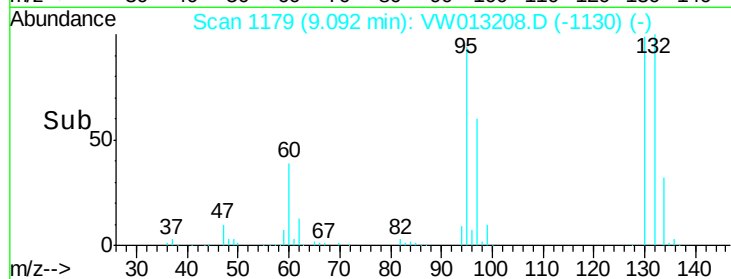
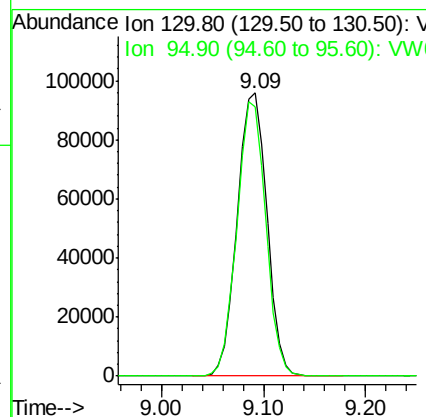
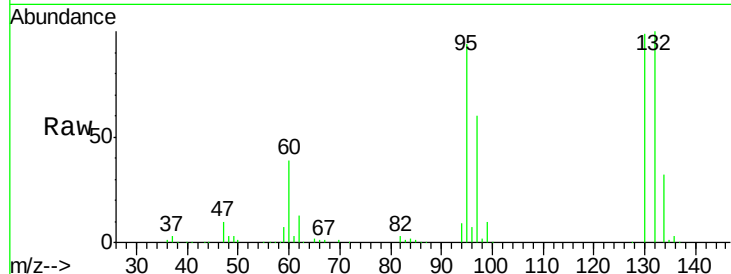
#44
 Trichloroethene
 Concen: 54.206 ug/l
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VW013208.D
 Acq: 21 Sep 2019 03:03

Instrument :
 MSVOA_W
 ClientSampleId :
 982-S-3-(19)MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
130	100		193369		
95	95.2	0.0	188.0		

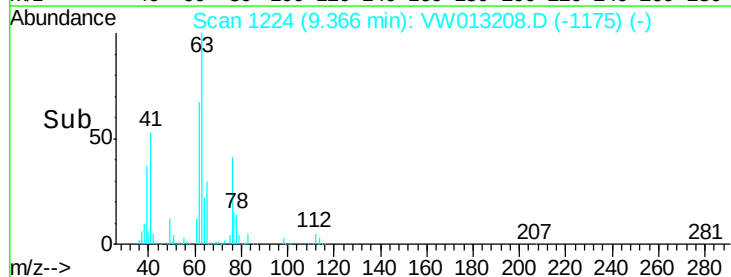
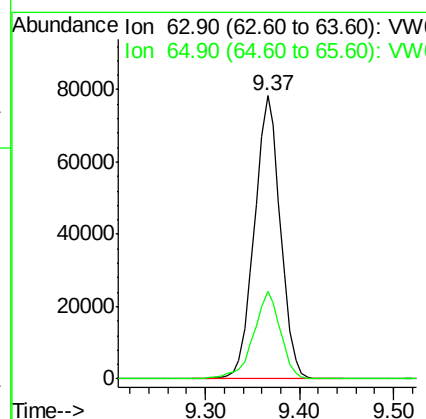
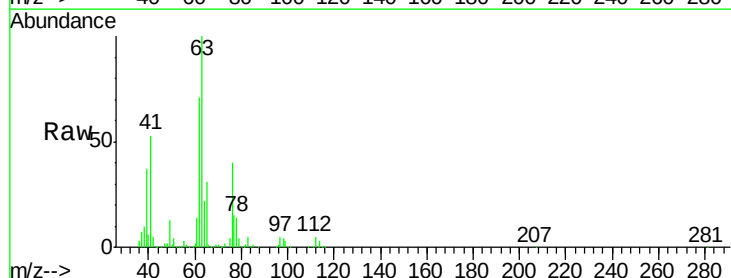
Manual Integrations
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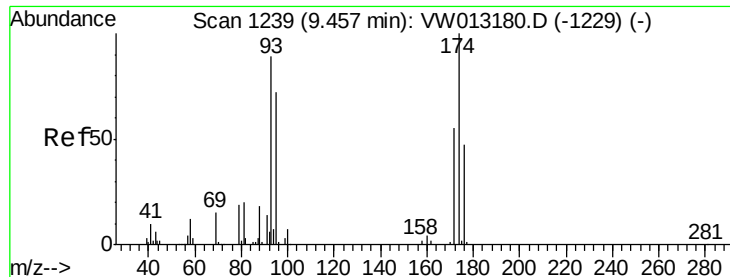
MMDadoda
 9/24/2019 5:29:04 AM



#45
 1,2-Dichloropropane
 Concen: 48.957 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW013208.D
 Acq: 21 Sep 2019 03:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
63	100		151968		
65	30.9	25.3	37.9		





#46

Dibromomethane

Concen: 48.514 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW013208.D

Acq: 21 Sep 2019 03:03

Instrument :

MSVOA_W

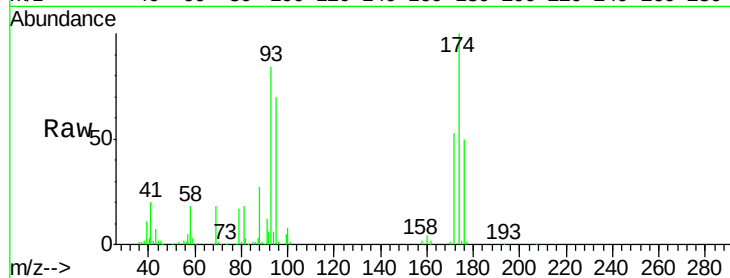
ClientSampleId :

982-S-3-(19)MS

Tot Ion:	93	Resp:	73113
Ion	Ratio	Lower	Upper
93	100		
95	82.8	66.4	99.6
174	119.9	93.0	139.6

Manual Integrations
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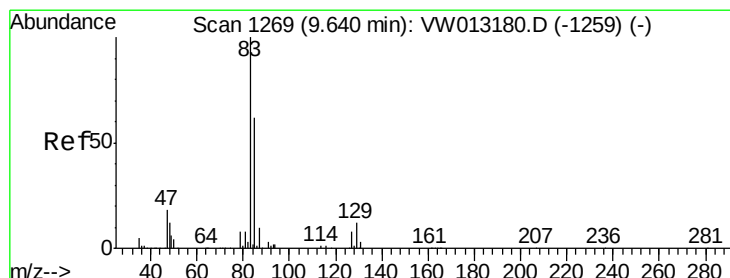
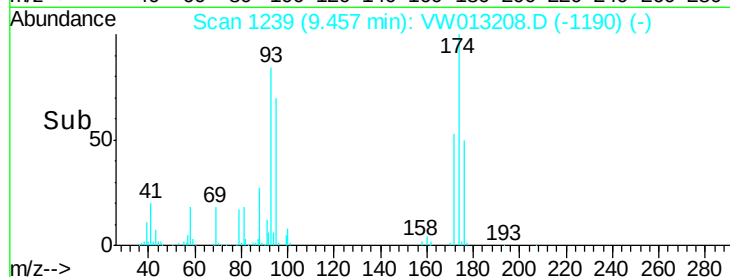
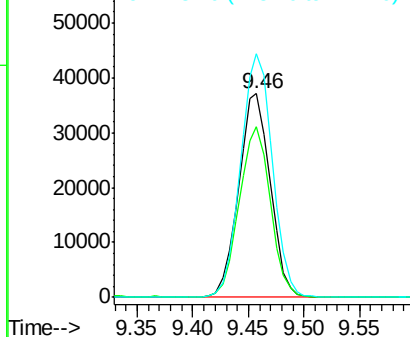


Abundance

Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V



#47

Bromodichloromethane

Concen: 50.311 ug/l

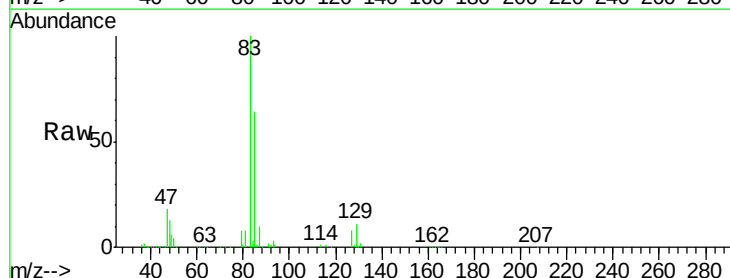
RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW013208.D

Acq: 21 Sep 2019 03:03

Tgt Ion:	83	Resp:	192929
Ion	Ratio	Lower	Upper
83	100		
85	64.4	49.4	74.2
127	8.0	6.5	9.7

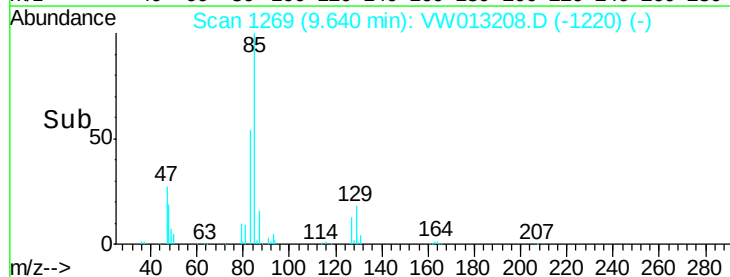
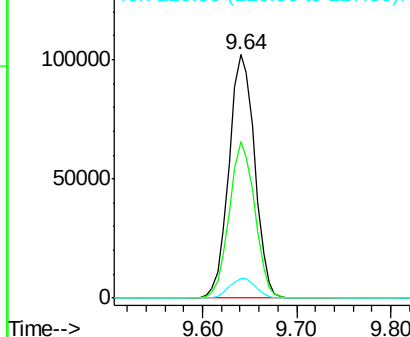


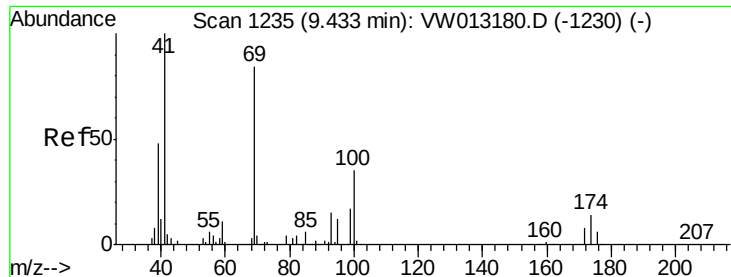
Abundance

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): V





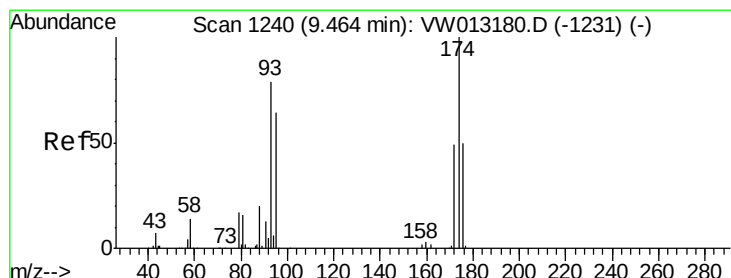
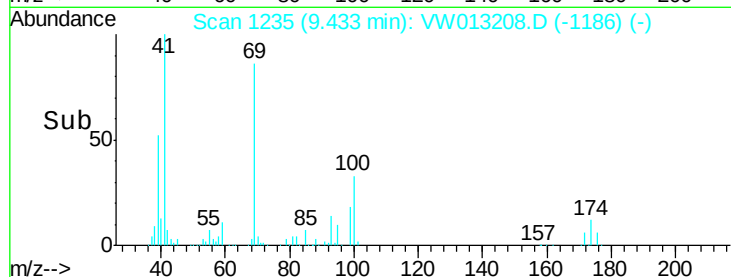
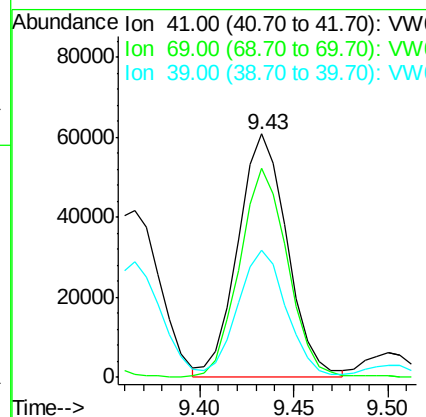
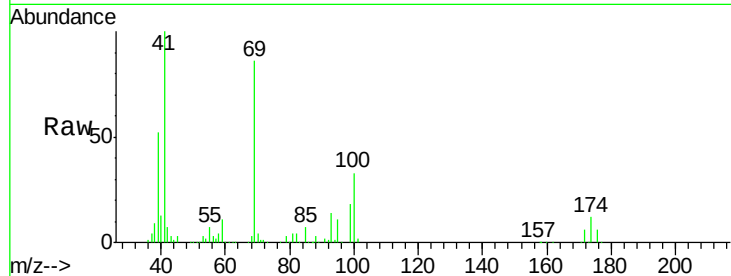
#48
Methvl methacrylate
Concen: 63.111 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VW013208.D
Acq: 21 Sep 2019 03:03

Instrument :
MSVOA_W
ClientSampleId :
982-S-3-(19)MS

Tot Ion	Ratio	Lower	Upper
41	100		
69	84.4	69.7	104.5
39	51.6	41.1	61.7

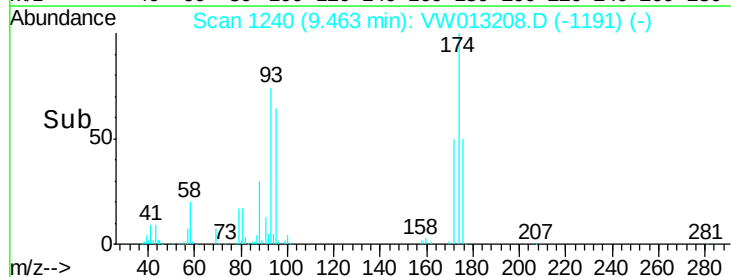
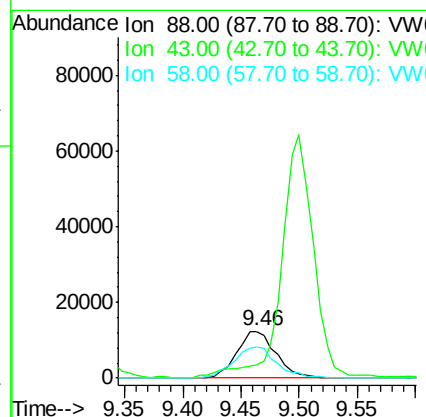
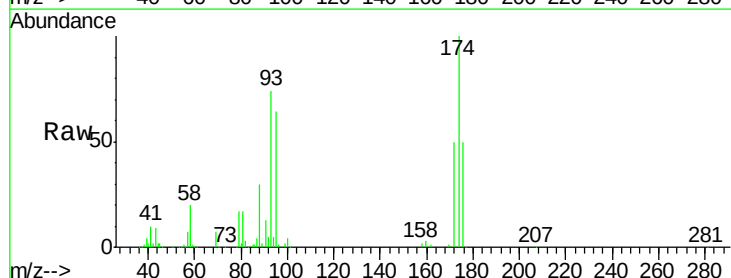
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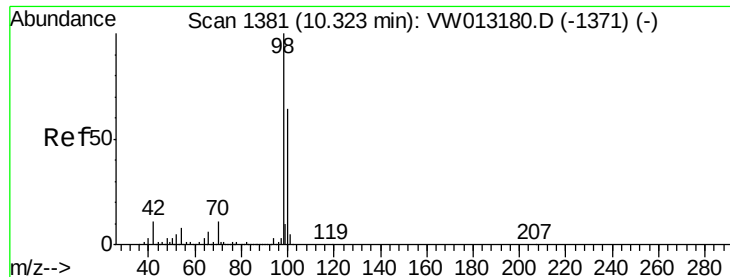
MMDadoda
9/24/2019 5:29:04 AM



#49
1,4-Dioxane
Concen: 1269.617 ug/l
RT: 9.46 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VW013208.D
Acq: 21 Sep 2019 03:03

Tgt Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	75.2	65.4	98.0





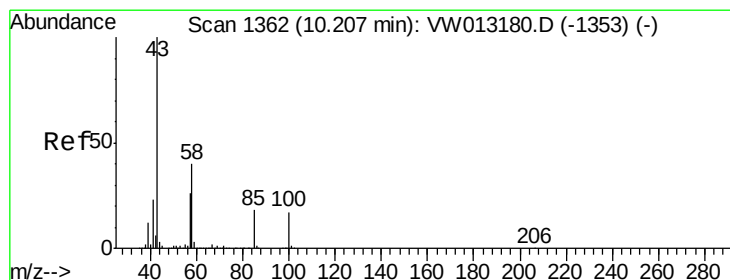
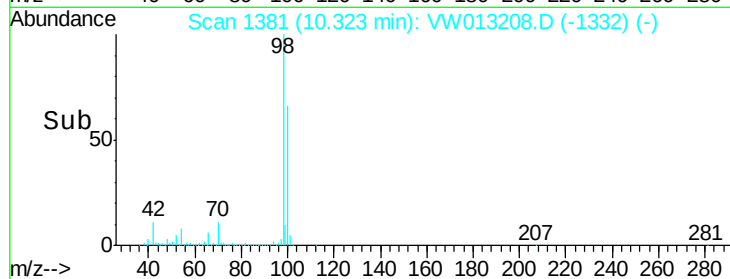
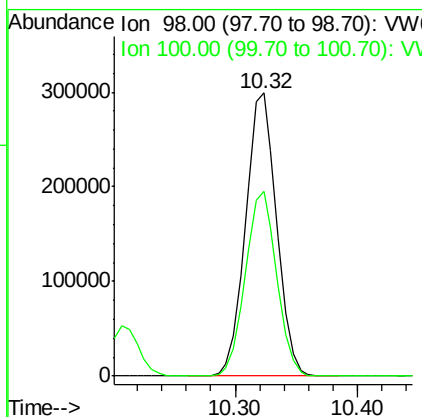
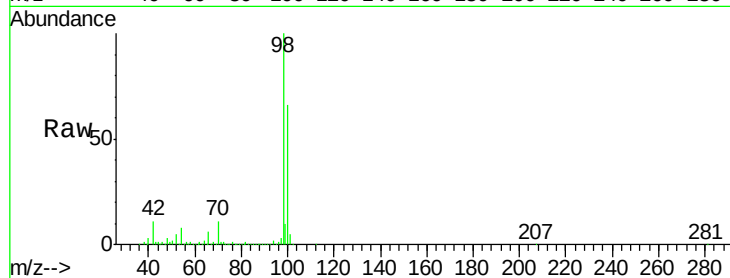
#50
Toluene-d8
Concen: 48.555 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013208.D
Acq: 21 Sep 2019 03:03

Instrument :
MSVOA_W
ClientSampleId :
982-S-3-(19)MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
98	100		525984		
100	66.1	52.9	79.3		

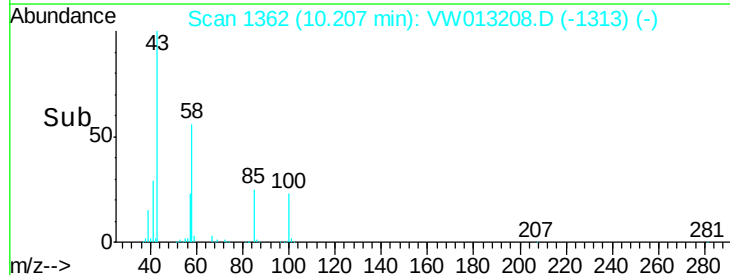
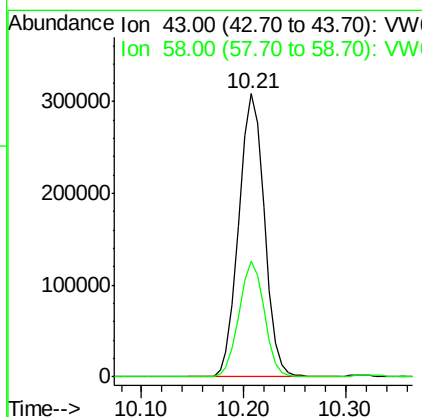
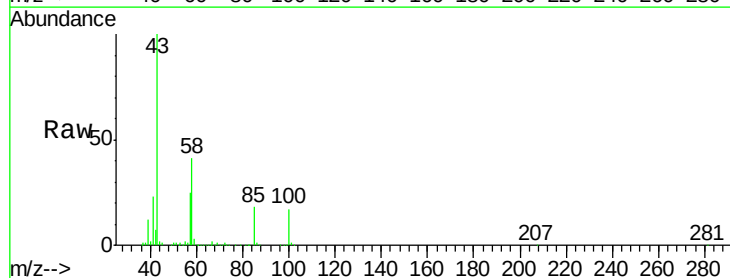
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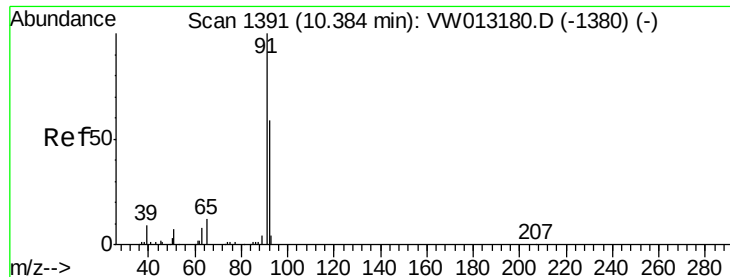
MMDadoda
9/24/2019 5:29:04 AM



#51
4-Methyl-2-Pentanone
Concen: 287.809 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. -0.00 min
Lab File: VW013208.D
Acq: 21 Sep 2019 03:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
43	100		535726		
58	40.2	31.7	47.5		





#52

Toluene

Concen: 41.913 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW013208.D

Acq: 21 Sep 2019 03:03

Instrument :

MSVOA_W

ClientSampleId :

982-S-3-(19)MS

Tot Ion: 92 Resp: 341534

Ion Ratio Lower Upper

92 100

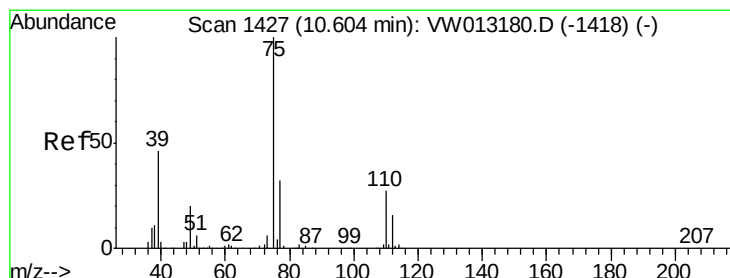
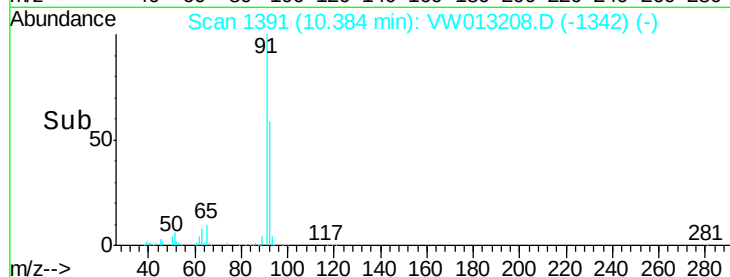
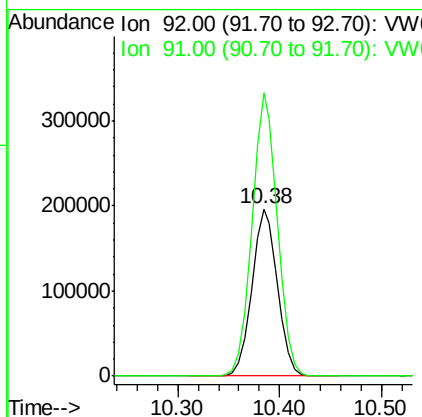
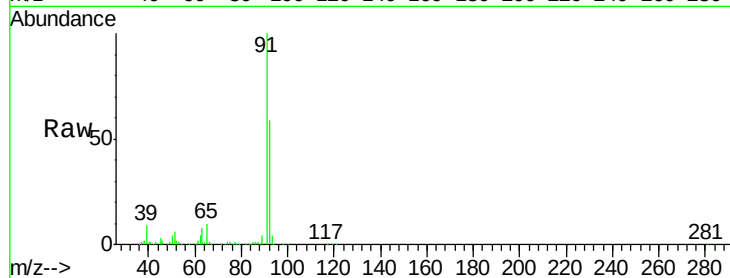
91 168.4 135.7 203.5

Manual Integrations

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#53

t-1,3-Dichloropropene

Concen: 42.564 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW013208.D

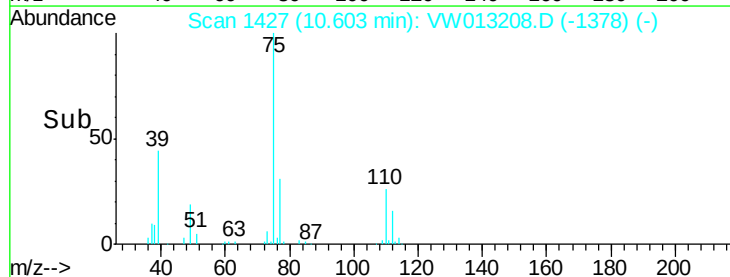
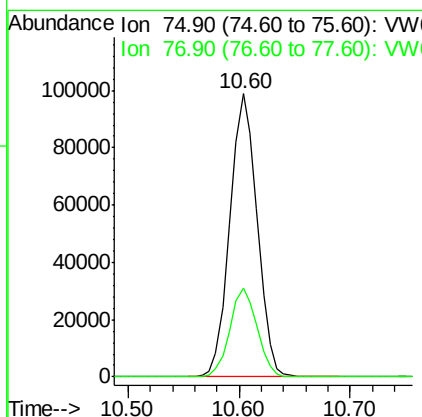
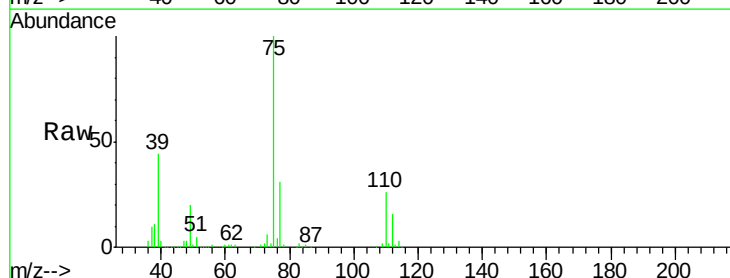
Acq: 21 Sep 2019 03:03

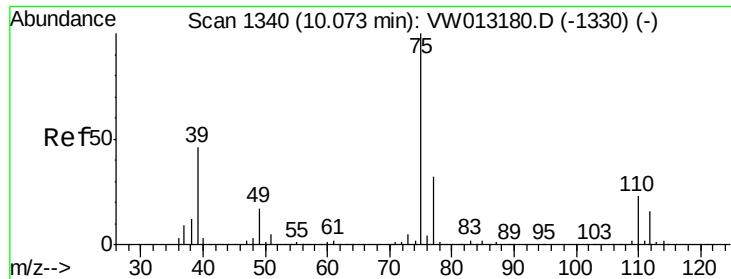
Tgt Ion: 75 Resp: 167692

Ion Ratio Lower Upper

75 100

77 31.5 25.5 38.3





#54

cis-1,3-Dichloropropene

Concen: 42.503 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW013208.D

Acq: 21 Sep 2019 03:03

Instrument :

MSVOA_W

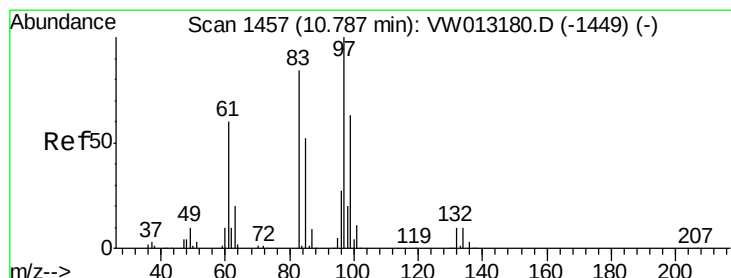
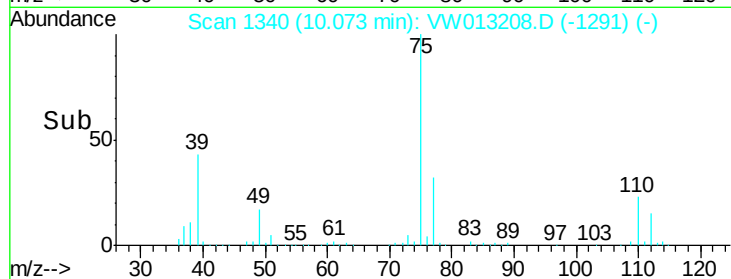
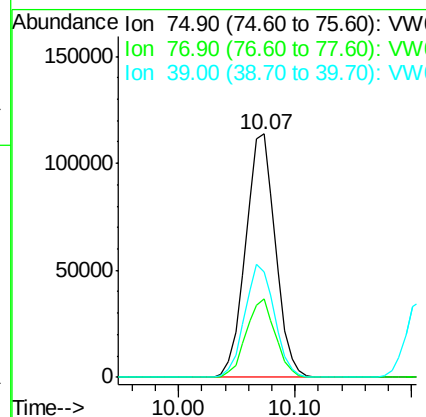
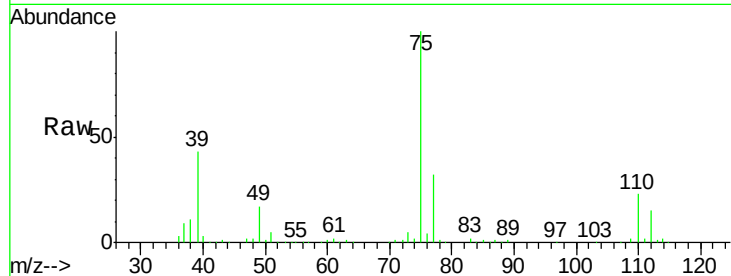
ClientSampleId :

982-S-3-(19)MS

Tot Ion:	75	Resp:	203600
Ion Ratio	Lower	Upper	
75	100		
77	32.4	25.2	37.8
39	43.3	36.6	55.0

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#55

1,1,2-Trichloroethane

Concen: 51.336 ug/l

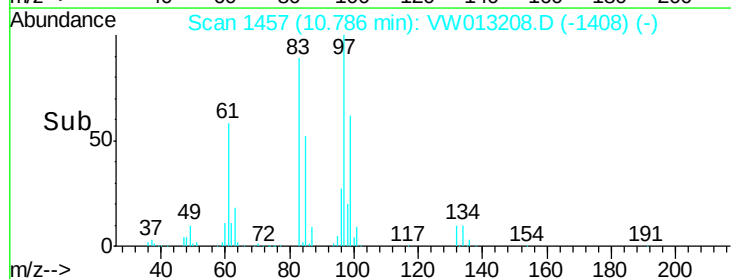
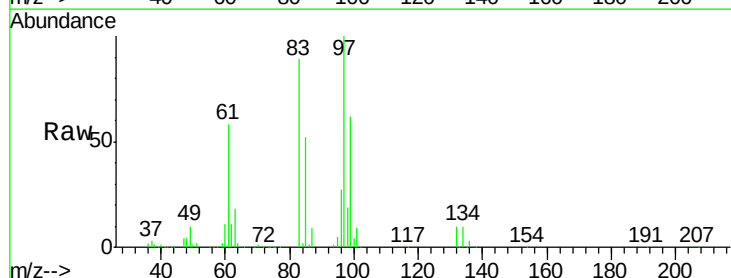
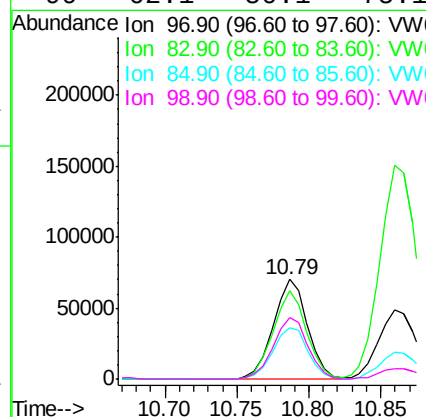
RT: 10.79 min Scan# 1457

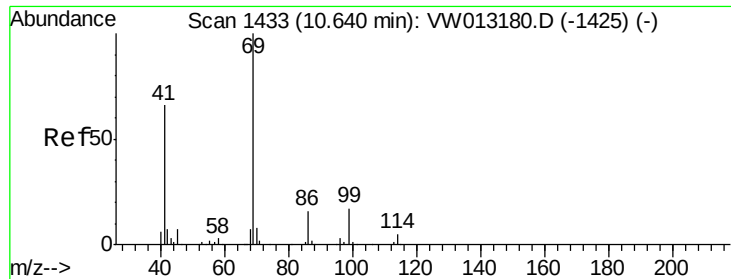
Delta R.T. -0.00 min

Lab File: VW013208.D

Acq: 21 Sep 2019 03:03

Tgt Ion:	97	Resp:	115638
Ion Ratio	Lower	Upper	
97	100		
83	88.7	67.6	101.4
85	52.2	41.9	62.9
99	62.1	50.1	75.1





#56

Ethyl methacrylate

Concen: 43.457 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. 0.01 min

Lab File: VW013208.D

Acq: 21 Sep 2019 03:03

Instrument :

MSVOA_W

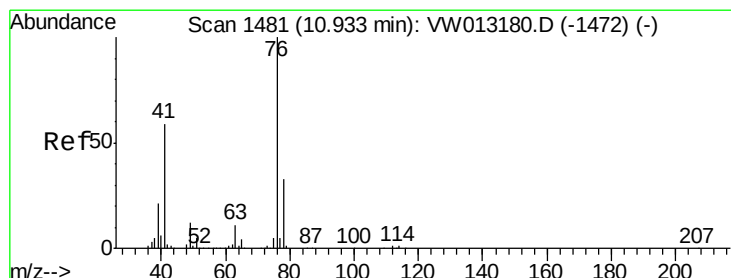
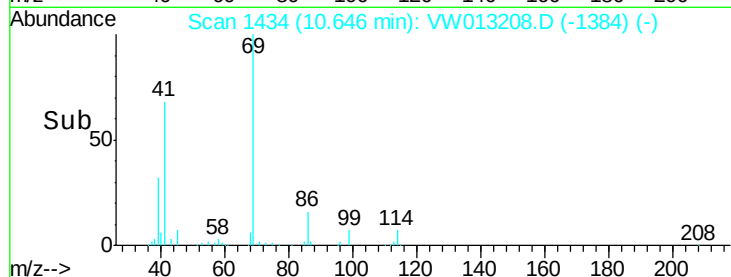
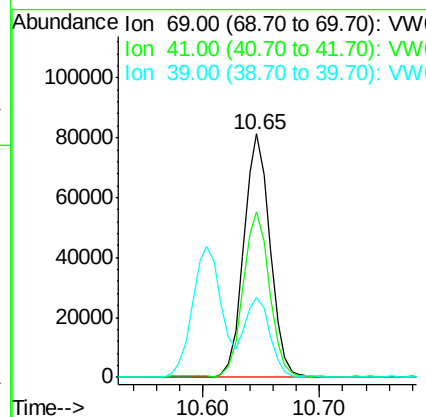
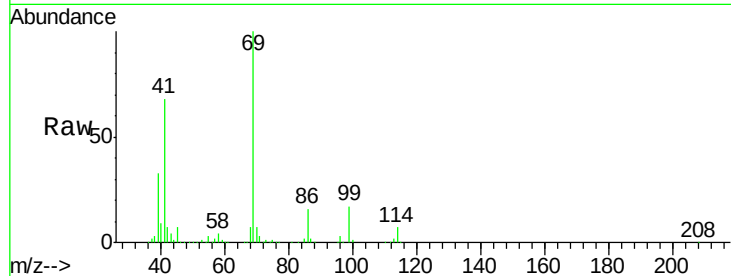
ClientSampleId :

982-S-3-(19)MS

Tot Ion:	69	Resp:	128109
Ion	Ratio	Lower	Upper
69	100		
41	67.5	53.9	80.9
39	31.3	23.8	35.6

Manual Integrations
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#57

1,3-Dichloropropane

Concen: 47.914 ug/l

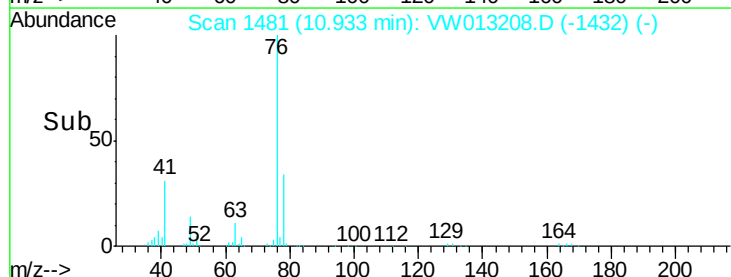
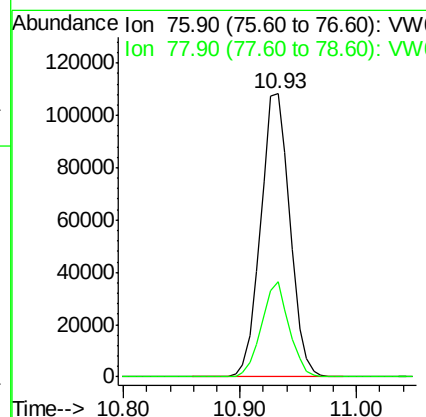
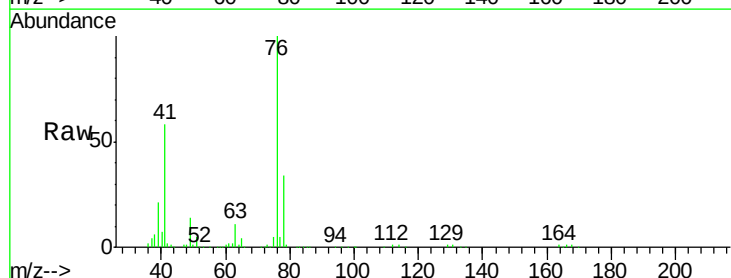
RT: 10.93 min Scan# 1481

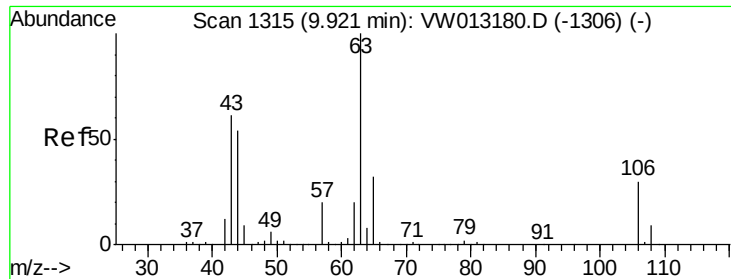
Delta R.T. -0.00 min

Lab File: VW013208.D

Acq: 21 Sep 2019 03:03

Tgt Ion:	76	Resp:	188341
Ion	Ratio	Lower	Upper
76	100		
78	31.8	25.5	38.3





#58

2-Chloroethyl Vinyl ether

Concen: 294.908 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VW013208.D

Acq: 21 Sep 2019 03:03

Instrument :

MSVOA_W

ClientSampleId :

982-S-3-(19)MS

Tot Ion: 63 Resp: 402476

Ion Ratio Lower Upper

63 100

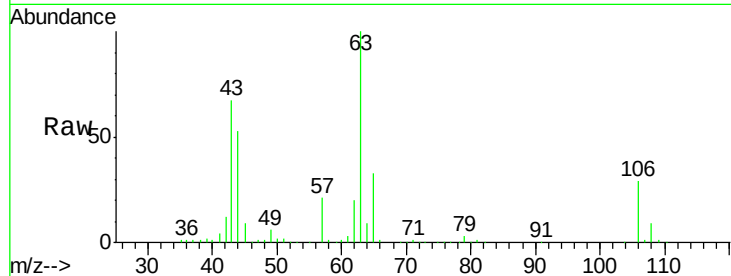
106 29.4 23.4 35.0

Manual Integrations

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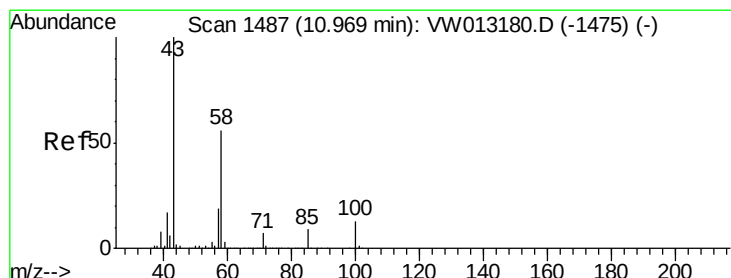
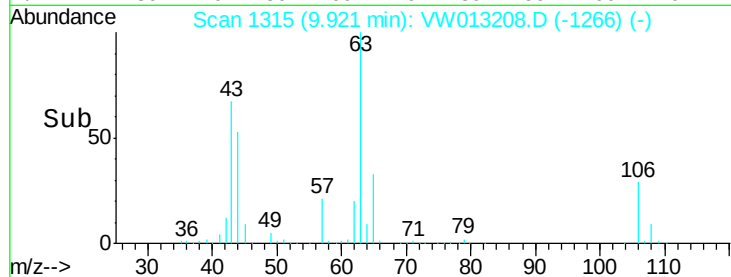
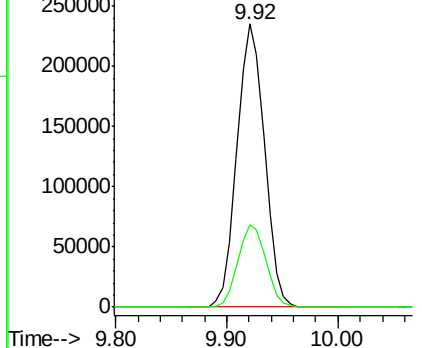
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Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 105.90 (105.60 to 106.60): VW



#59

2-Hexanone

Concen: 260.485 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW013208.D

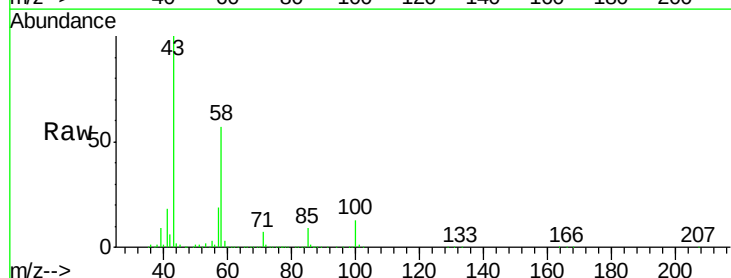
Acq: 21 Sep 2019 03:03

Tgt Ion: 43 Resp: 333586

Ion Ratio Lower Upper

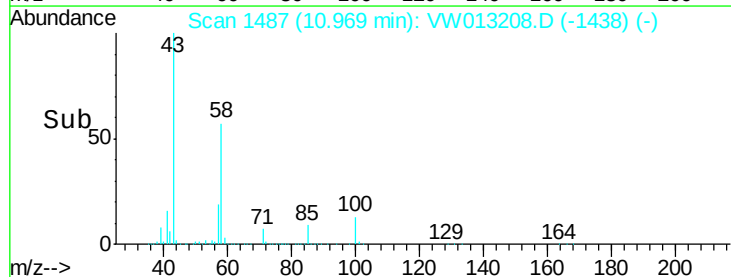
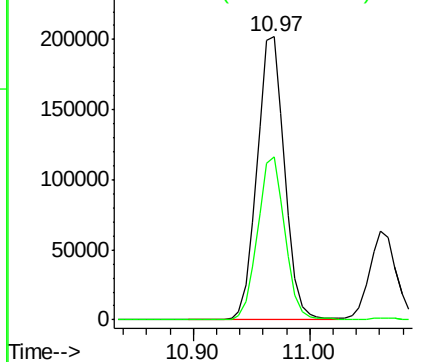
43 100

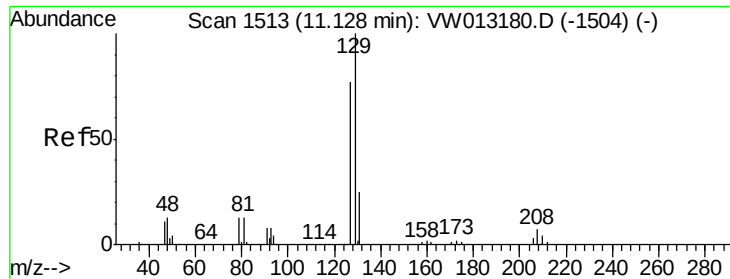
58 57.0 28.1 84.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#60

Dibromochloromethane

Concen: 50.430 ug/l m

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW013208.D

Acq: 21 Sep 2019 03:03

Instrument :

MSVOA_W

ClientSampleId :

982-S-3-(19)MS

Tot Ion:129 Resp: 128987

Ion Ratio Lower Upper

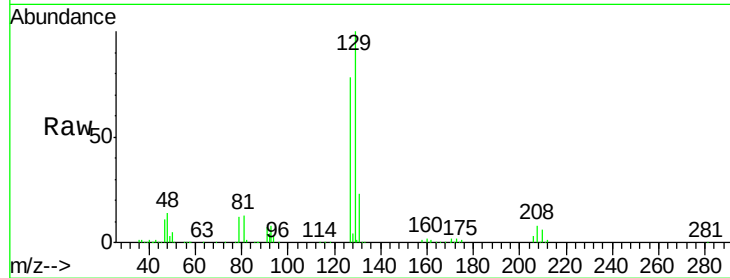
129 100

127 0.0 38.8 116.4#

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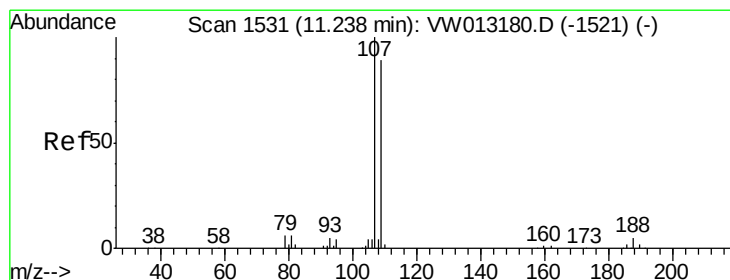
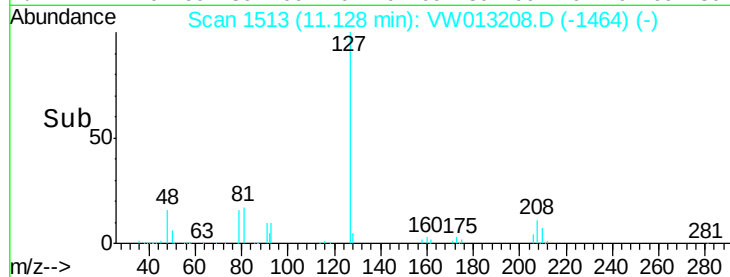
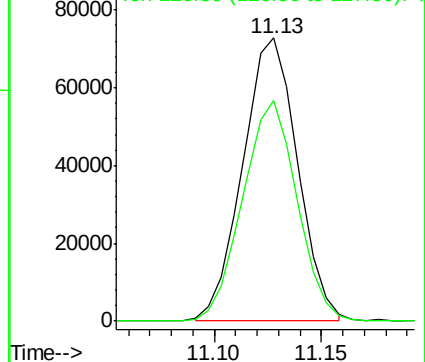
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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 46.655 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW013208.D

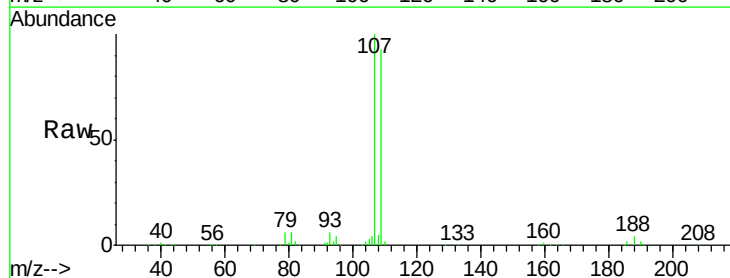
Acq: 21 Sep 2019 03:03

Tgt Ion:107 Resp: 99921

Ion Ratio Lower Upper

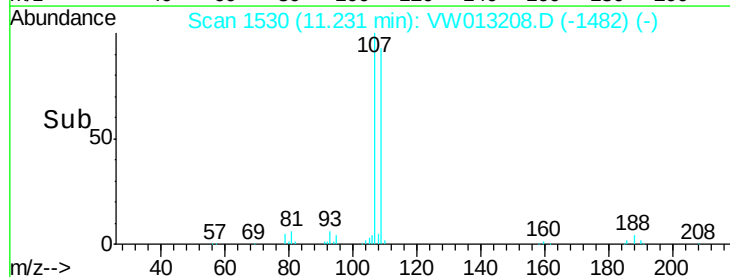
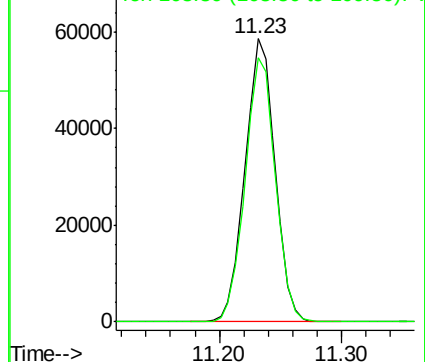
107 100

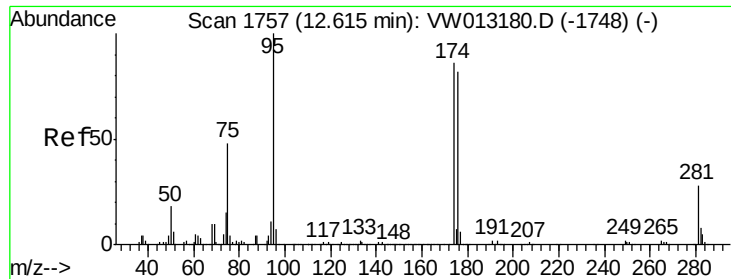
109 94.0 75.2 112.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 35.660 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW013208.D

Acq: 21 Sep 2019 03:03

Instrument :

MSVOA_W

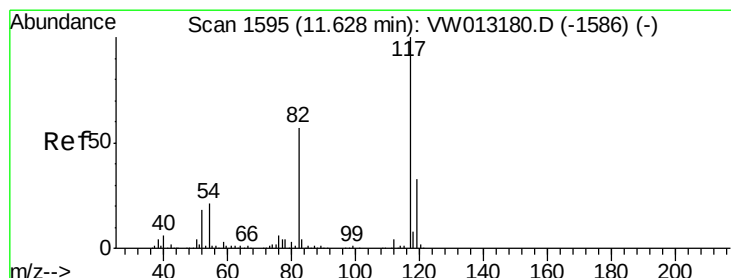
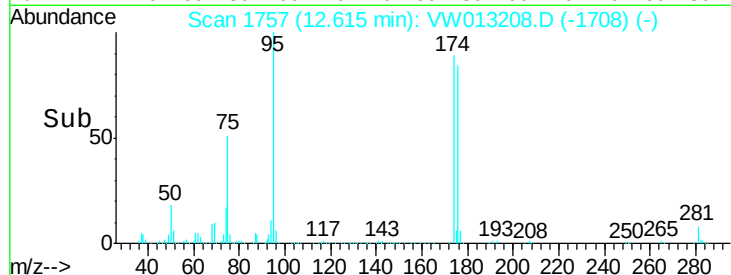
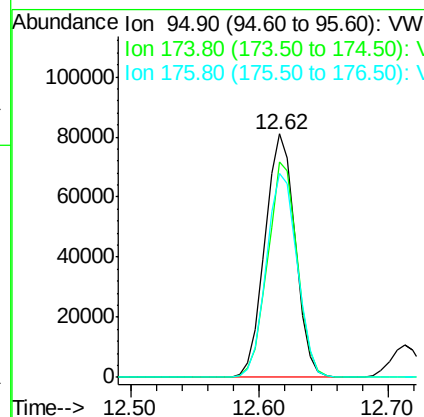
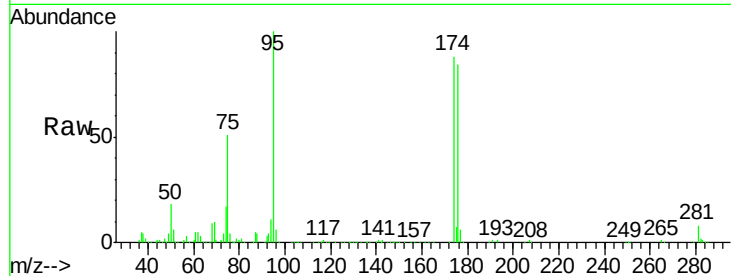
ClientSampleId :

982-S-3-(19)MS

Tot Ion:	95	Resp:	131957
Ion Ratio	Lower	Upper	
95	100		
174	86.9	0.0	178.4
176	85.4	0.0	172.2

Manual Integrations
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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

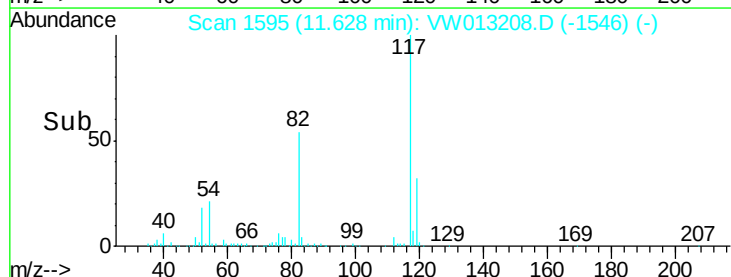
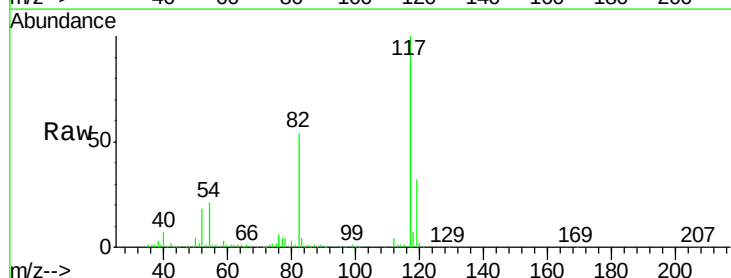
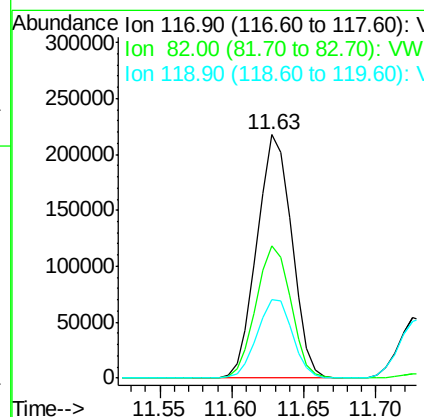
RT: 11.63 min Scan# 1595

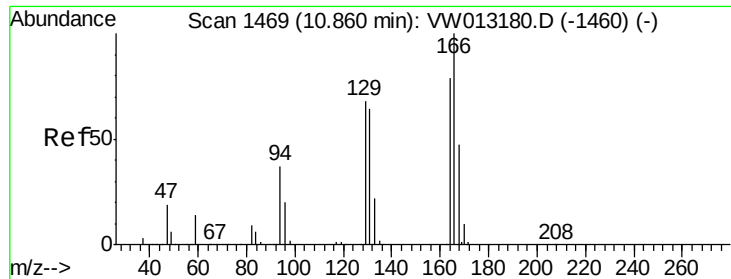
Delta R.T. -0.00 min

Lab File: VW013208.D

Acq: 21 Sep 2019 03:03

Tgt Ion:	117	Resp:	364579
Ion Ratio	Lower	Upper	
117	100		
82	54.3	45.9	68.9
119	32.0	26.2	39.2





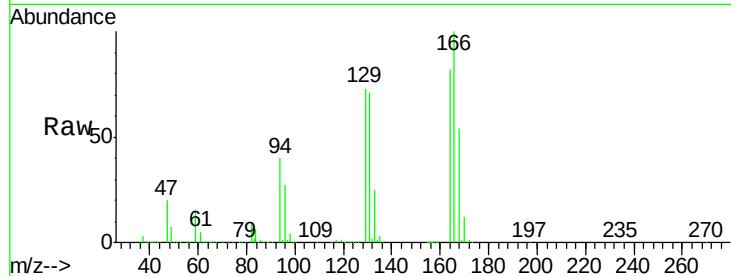
#64
Tetrachloroethene
Concen: 4160.321 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VW013208.D
Acq: 21 Sep 2019 03:03

Instrument :
MSVOA_W
ClientSampleId :
982-S-3-(19)MS

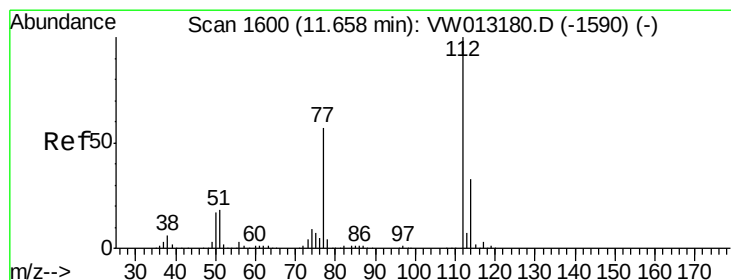
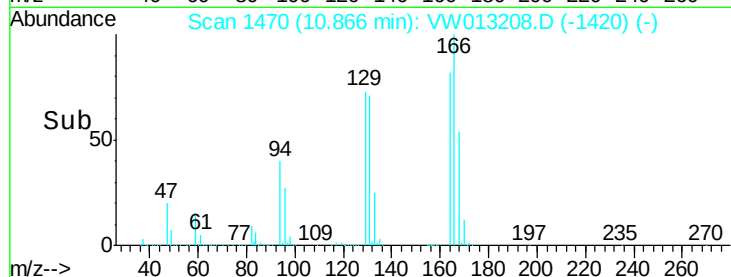
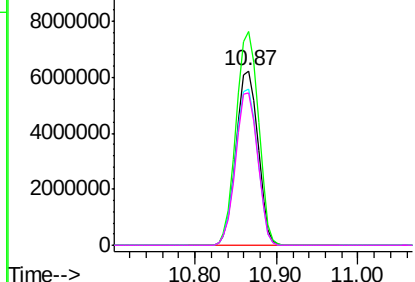
Tot Ion	Ratio	Lower	Upper
164	100		
166	122.6	101.2	151.8
129	89.8	68.8	103.2
131	87.6	65.2	97.8

Manual Integrations
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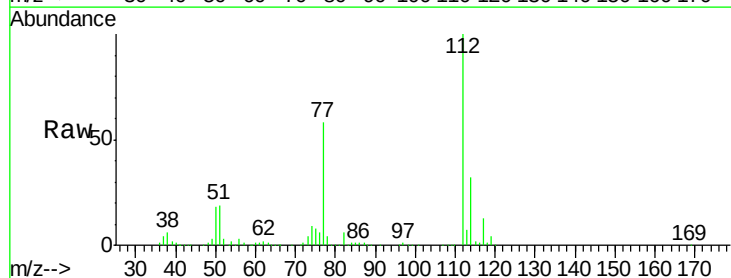


Abundance Ion 163.80 (163.50 to 164.50): V
1.2e+07
Ion 165.80 (165.50 to 166.50): V
1e+07
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

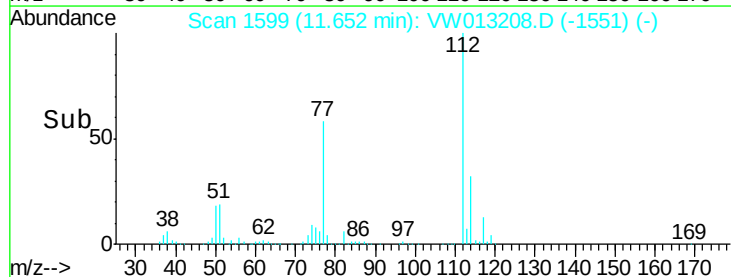
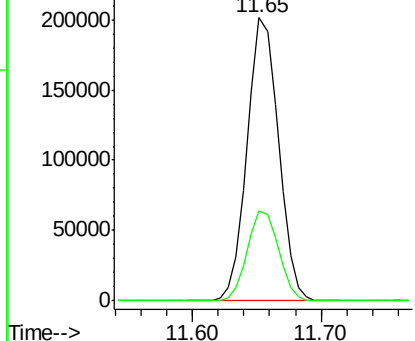


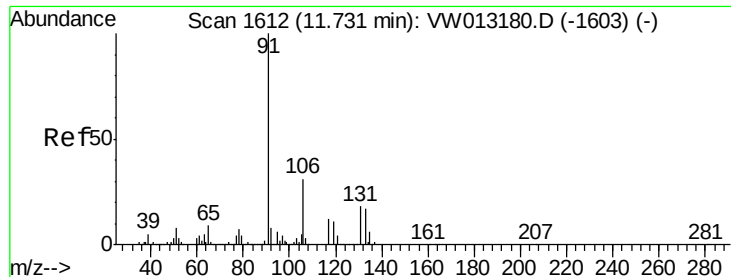
#65
Chlorobenzene
Concen: 44.457 ug/l
RT: 11.65 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VW013208.D
Acq: 21 Sep 2019 03:03

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.0	26.5	39.7



Abundance Ion 111.90 (111.60 to 112.60): V
200000
Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 52.839 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW013208.D

Acq: 21 Sep 2019 03:03

Instrument :

MSVOA_W

ClientSampleId :

982-S-3-(19)MS

Tot Ion:131 Resp: 137428

Ion Ratio Lower Upper

131 100

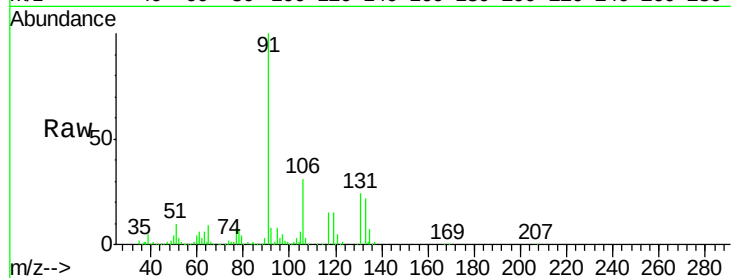
133 93.3 47.5 142.6

119 65.1 32.5 97.5

Manual Integrations
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MMDadoda

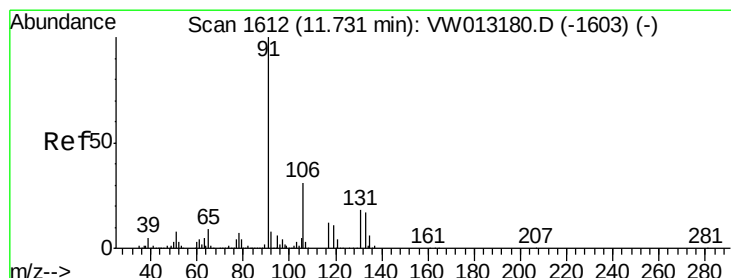
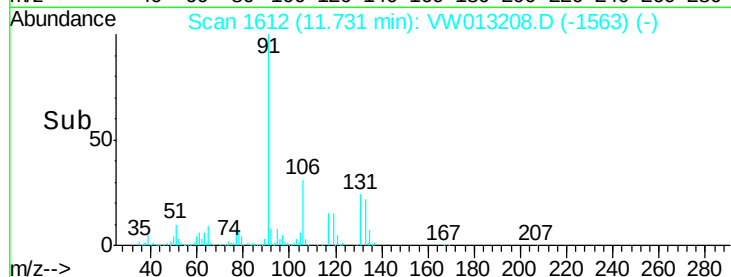
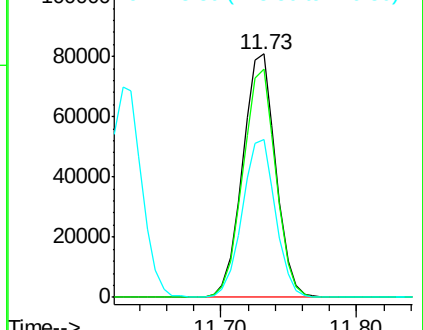
9/24/2019 5:29:04 AM



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



#67

Ethyl Benzene

Concen: 40.271 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW013208.D

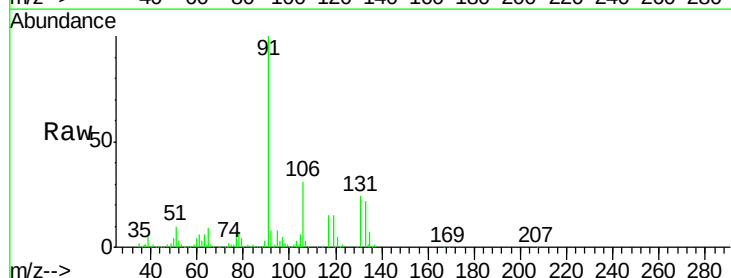
Acq: 21 Sep 2019 03:03

Tgt Ion: 91 Resp: 555502

Ion Ratio Lower Upper

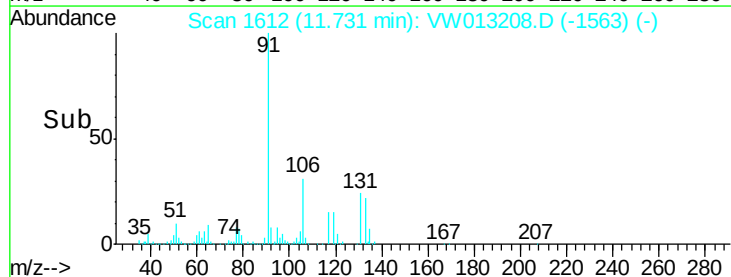
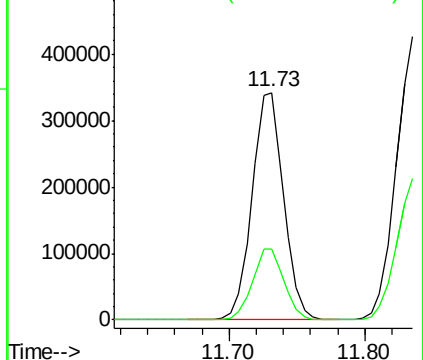
91 100

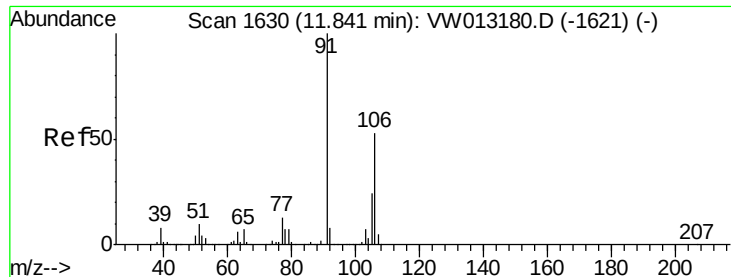
106 31.3 24.9 37.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V





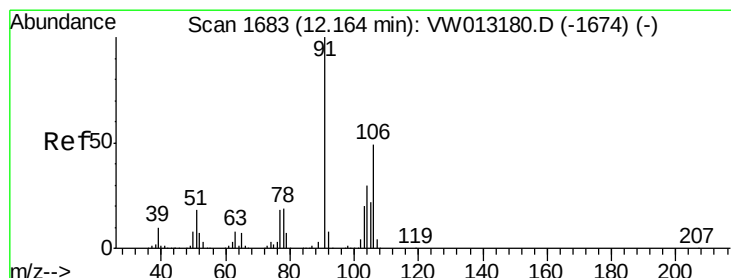
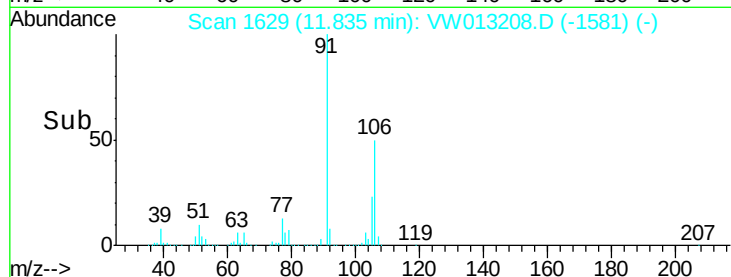
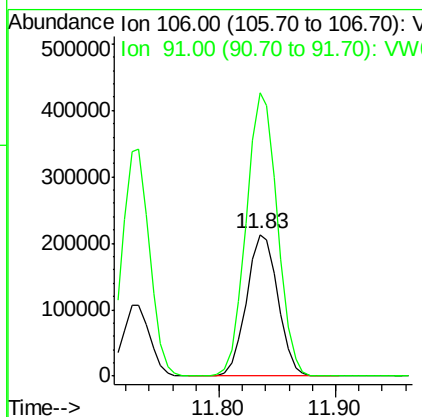
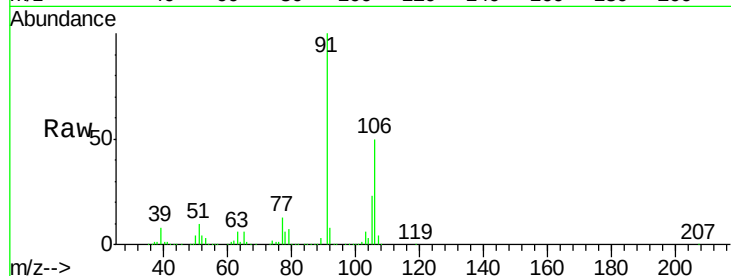
#68
m/p-Xylenes
Concen: 75.921 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW013208.D
Acq: 21 Sep 2019 03:03

Instrument :
MSVOA_W
ClientSampleId :
982-S-3-(19)MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		399074		
91	198.8	157.9	236.9		

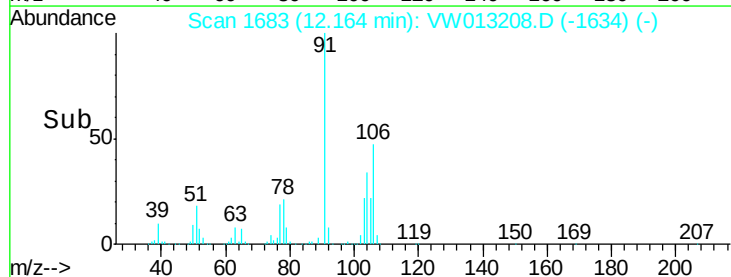
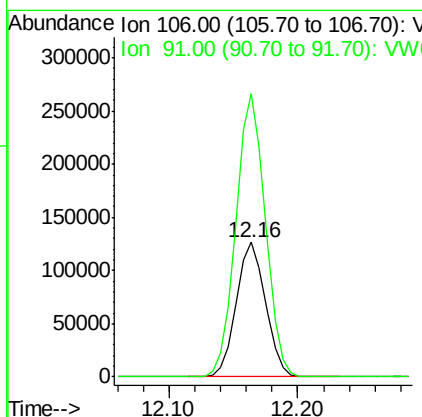
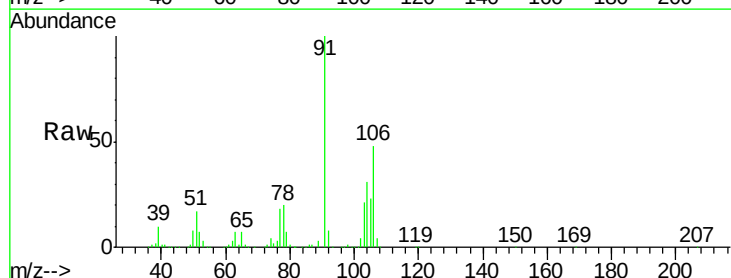
Manual Integrations
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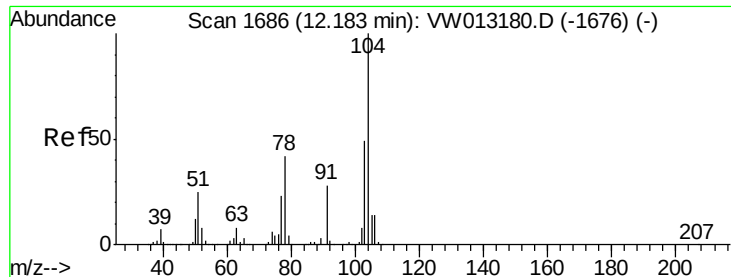
MMDadoda
9/24/2019 5:29:04 AM



#69
o-Xylene
Concen: 40.843 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013208.D
Acq: 21 Sep 2019 03:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100		199601		
91	211.0	106.5	319.5		





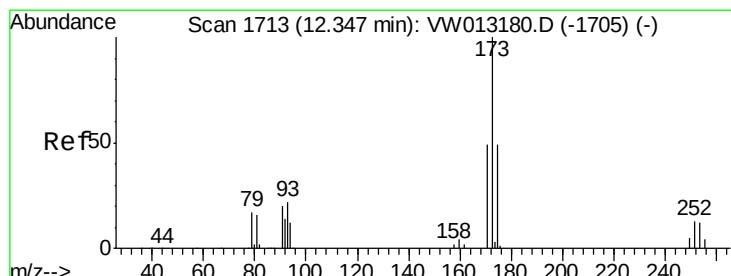
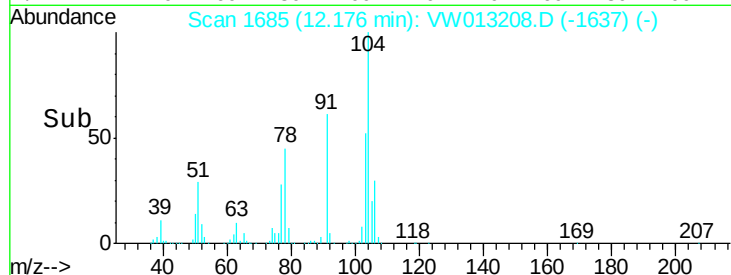
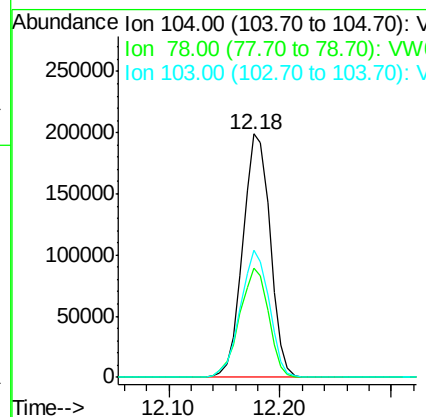
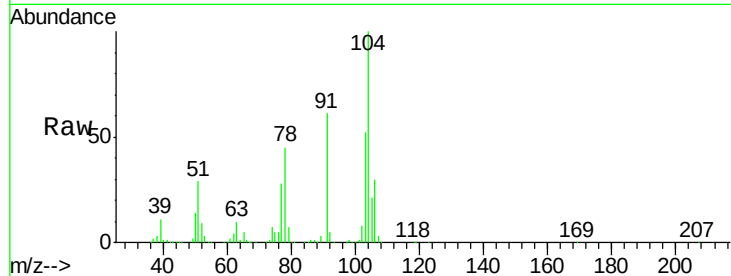
#70
Stvrene
Concen: 40.373 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VW013208.D
Acq: 21 Sep 2019 03:03

Instrument :
MSVOA_W
ClientSampleId :
982-S-3-(19)MS

Tot Ion	Ratio	Resp	Lower	Upper
104	100	338730		
78	47.5		38.4	57.6
103	54.9		43.3	64.9

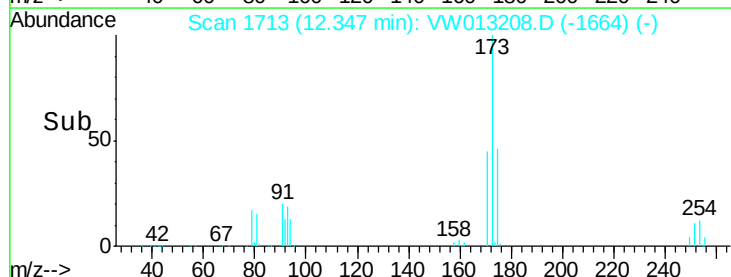
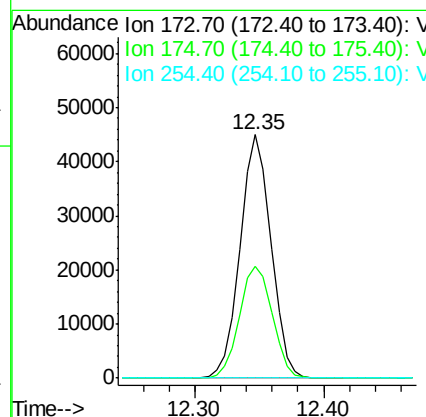
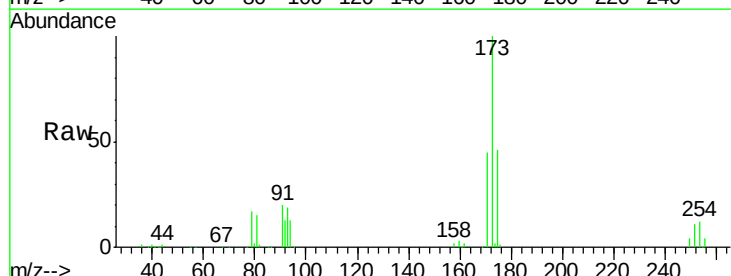
Manual Integrations
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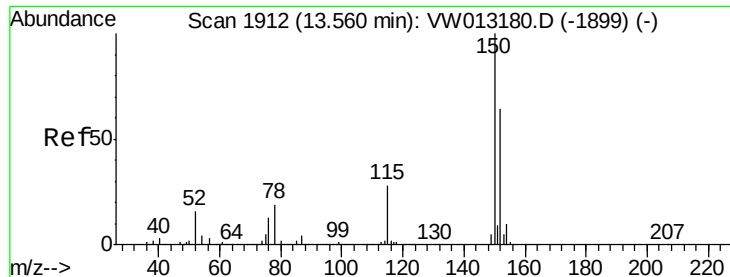
MMDadoda
9/24/2019 5:29:04 AM



#71
Bromoform
Concen: 54.363 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW013208.D
Acq: 21 Sep 2019 03:03

Tgt Ion	Ratio	Resp	Lower	Upper
173	100	74698		
175	48.8		24.3	73.0
254	0.1		0.1	0.1





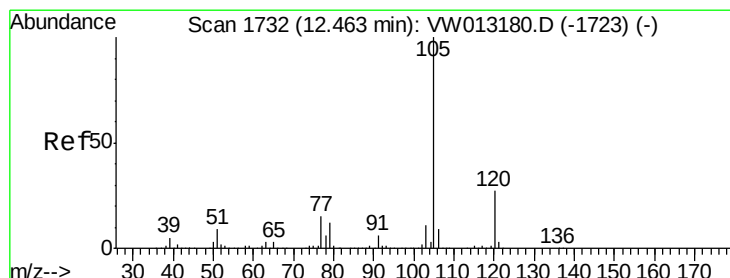
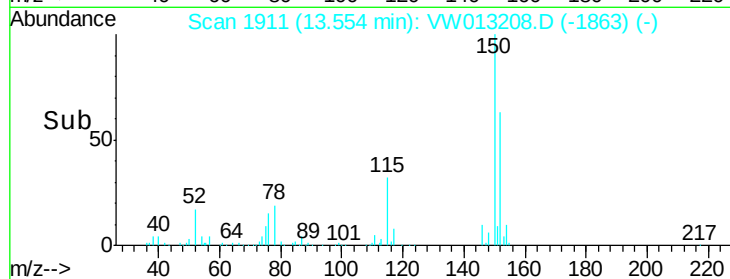
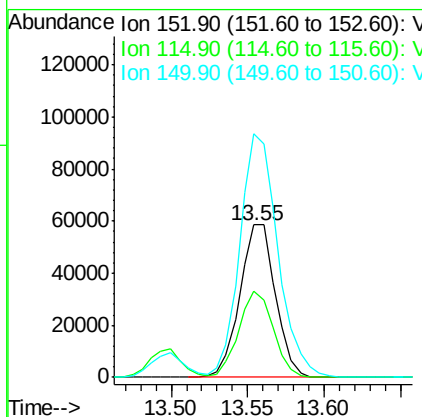
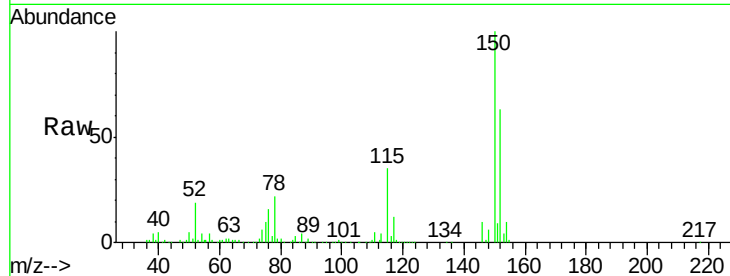
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.55 min Scan# 1911
 Delta R.T. -0.01 min
 Lab File: VW013208.D
 Acq: 21 Sep 2019 03:03

Instrument :
 MSVOA_W
 ClientSampleId :
 982-S-3-(19)MS

Tot Ion	Ratio	Lower	Upper
152	100		
115	54.7	27.3	81.9
150	170.5	0.0	349.0

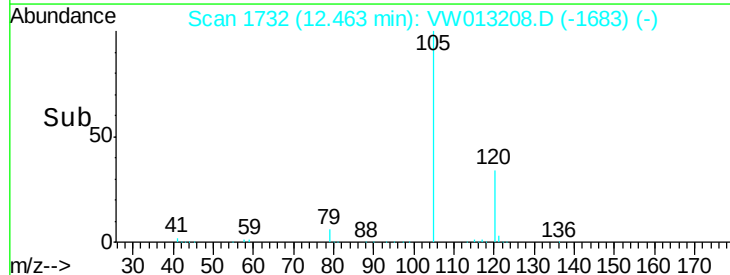
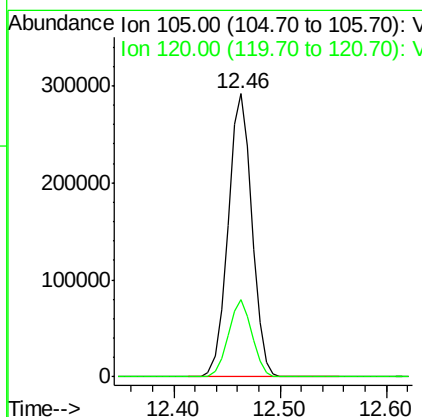
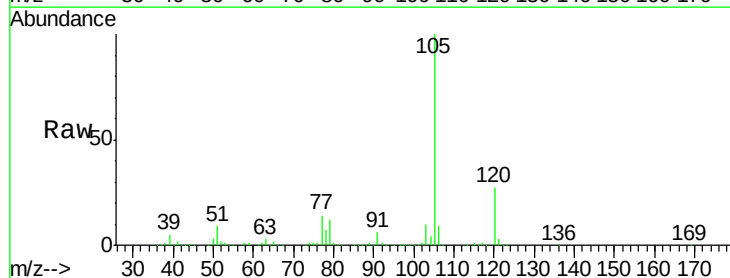
Manual Integrations
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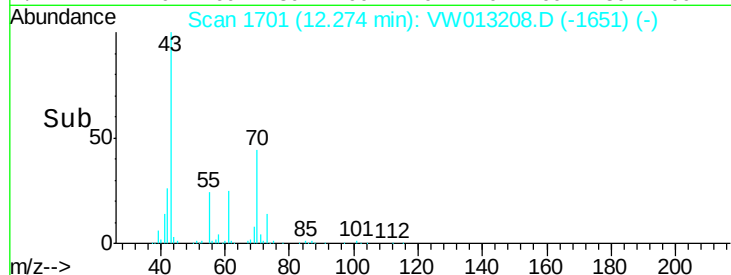
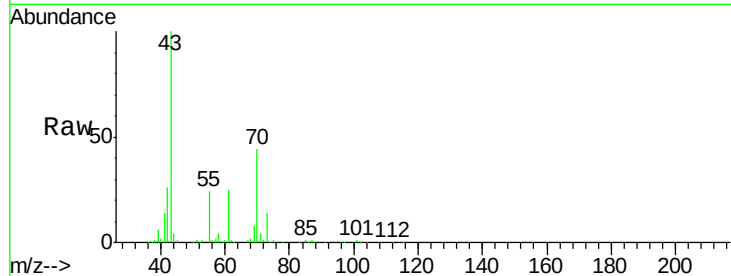
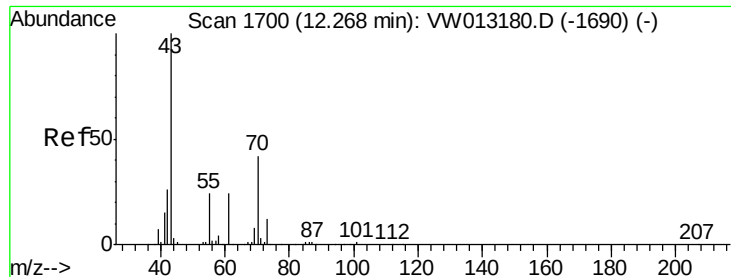
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#73
 Isopropylbenzene
 Concen: 65.322 ug/l
 RT: 12.46 min Scan# 1732
 Delta R.T. -0.00 min
 Lab File: VW013208.D
 Acq: 21 Sep 2019 03:03

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.1	13.4	40.1





#74

N-amvl acetate

Concen: 45.314 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.01 min

Lab File: VW013208.D

Acq: 21 Sep 2019 03:03

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100		70364		
70	44.5	35.1	52.7		
55	25.4	19.9	29.9		
61	24.0	19.5	29.3		

Instrument :

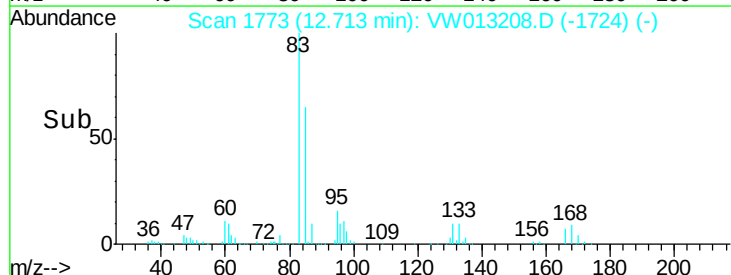
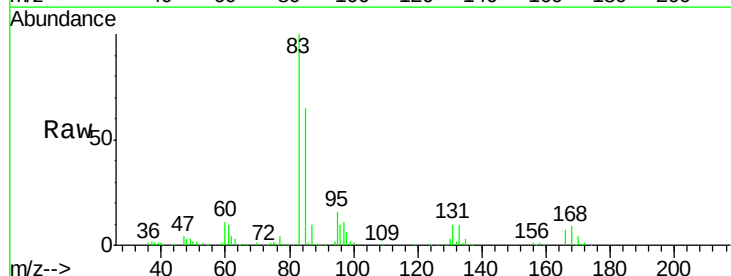
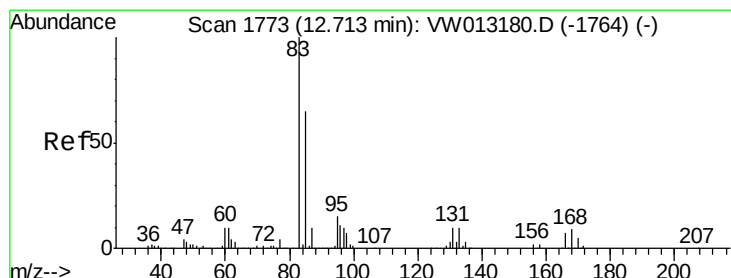
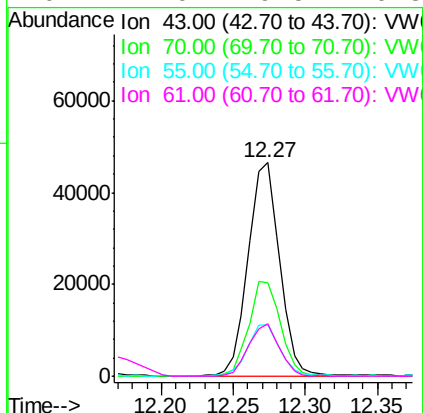
MSVOA_W

ClientSampleId :

982-S-3-(19)MS

Manual Integrations
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#75

1,1,2,2-Tetrachloroethane

Concen: 95.725 ug/l

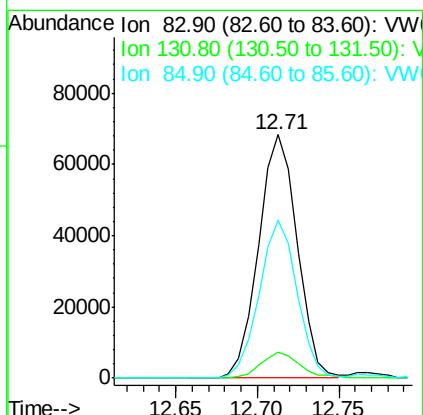
RT: 12.71 min Scan# 1773

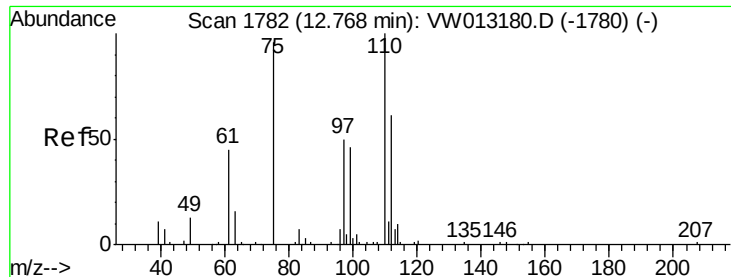
Delta R.T. -0.00 min

Lab File: VW013208.D

Acq: 21 Sep 2019 03:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100		112029		
131	10.6	5.4	16.2		
85	63.4	31.9	95.9		





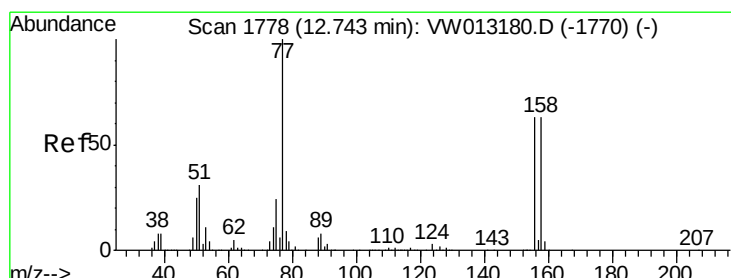
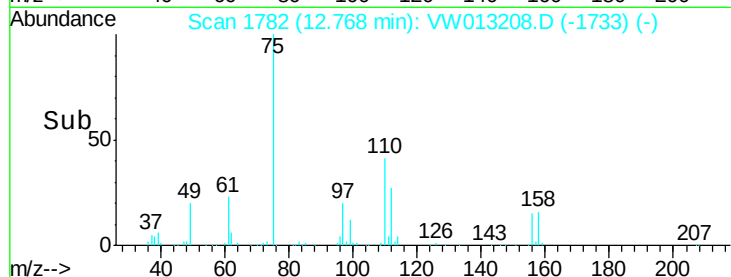
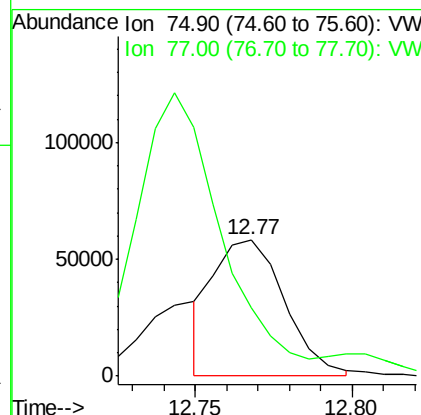
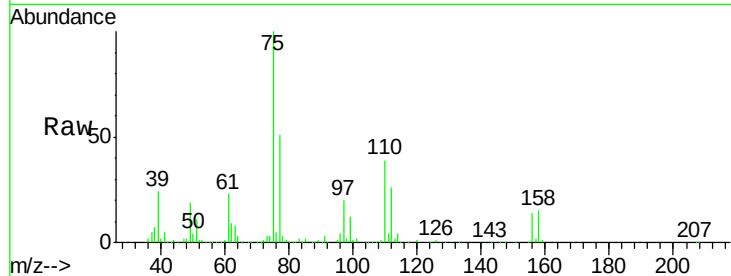
#76
 1,2,3-Trichloropropane
 Concen: 109.504 ug/l m
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.00 min
 Lab File: VW013208.D
 Acq: 21 Sep 2019 03:03

Instrument :
 MSVOA_W
 ClientSampleId :
 982-S-3-(19)MS

Tot Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

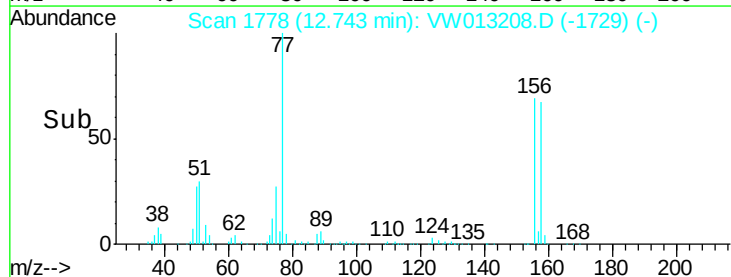
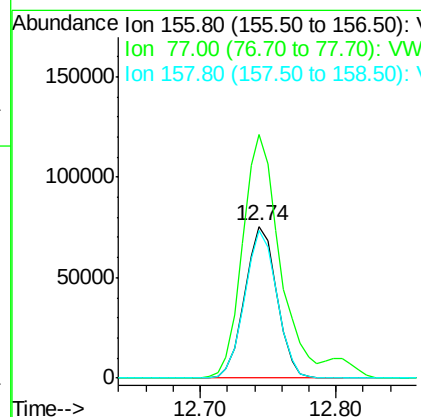
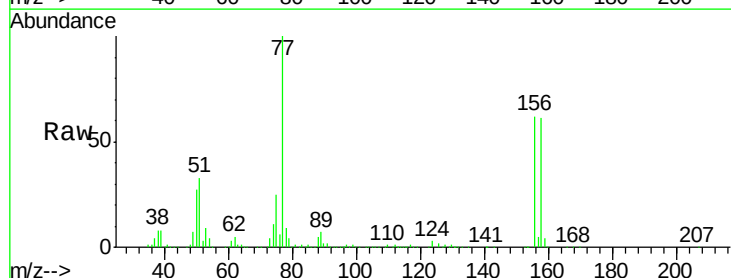
Manual Integrations
 APPROVED

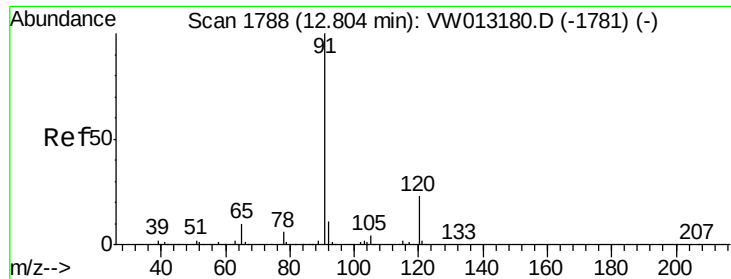
MMDadoda
 9/24/2019 5:29:04 AM



#77
 Bromobenzene
 Concen: 74.994 ug/l
 RT: 12.74 min Scan# 1778
 Delta R.T. -0.00 min
 Lab File: VW013208.D
 Acq: 21 Sep 2019 03:03

Tgt Ion	Ratio	Lower	Upper
156	100		
77	184.8	85.7	257.1
158	97.8	48.1	144.4





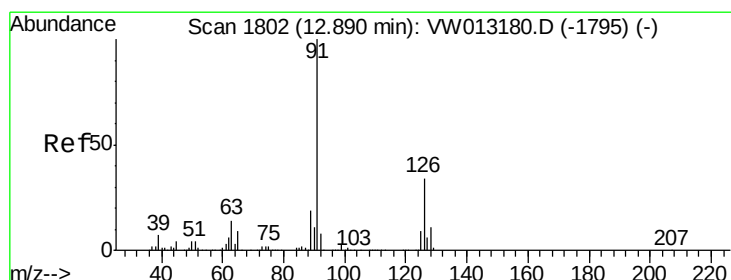
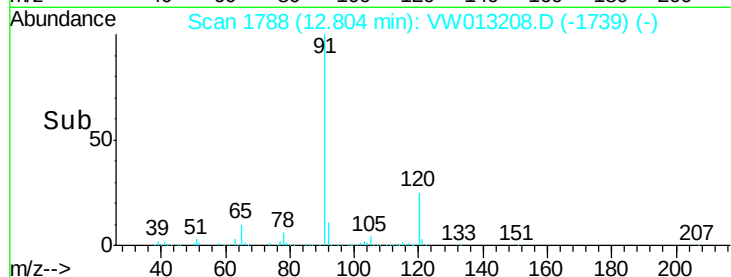
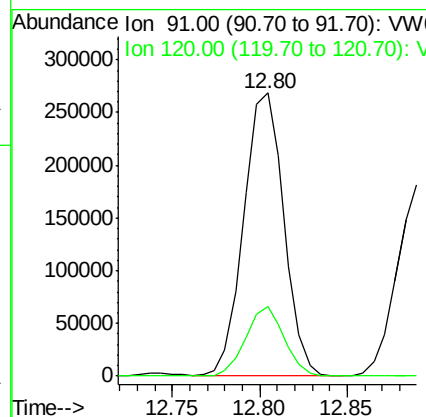
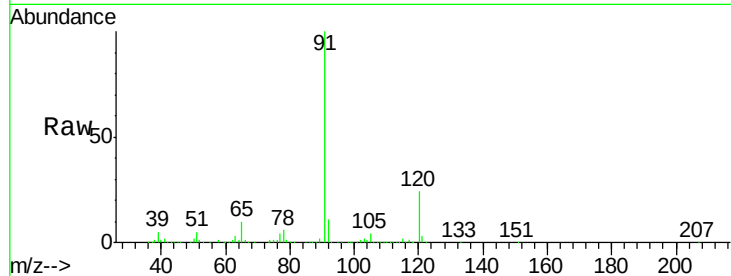
#78
n-propylbenzene
Concen: 52.372 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW013208.D
Acq: 21 Sep 2019 03:03

Instrument :
MSVOA_W
ClientSampleId :
982-S-3-(19)MS

Tot Ion: 91 Resp: 428983
Ion Ratio Lower Upper
91 100
120 23.6 11.7 35.1

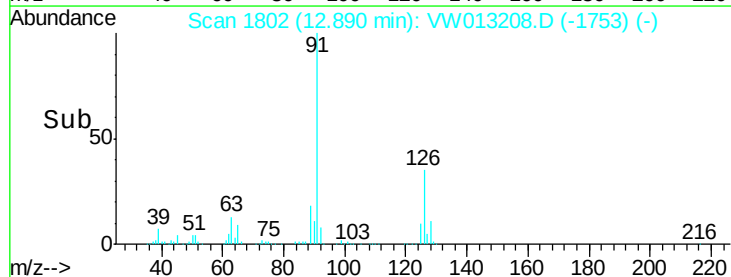
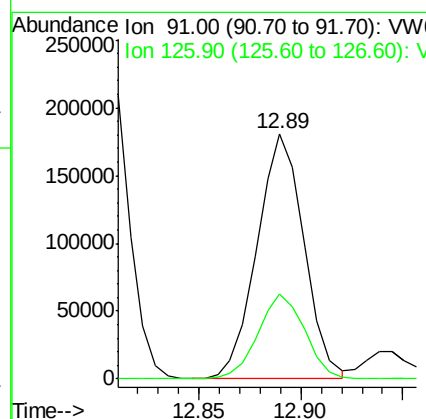
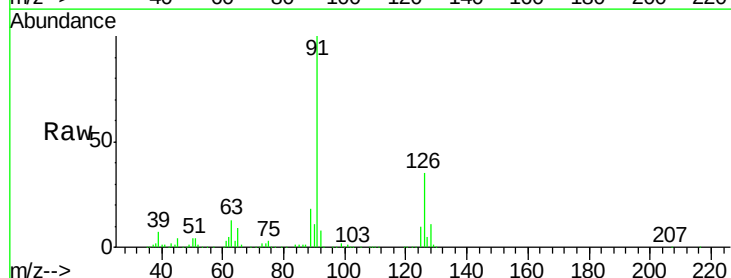
Manual Integrations
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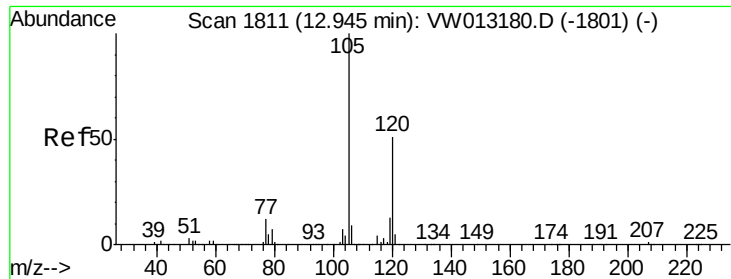
MMDadoda
9/24/2019 5:29:04 AM



#79
2-Chlorotoluene
Concen: 62.682 ug/l
RT: 12.89 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VW013208.D
Acq: 21 Sep 2019 03:03

Tgt Ion: 91 Resp: 287648
Ion Ratio Lower Upper
91 100
126 34.6 17.2 51.5





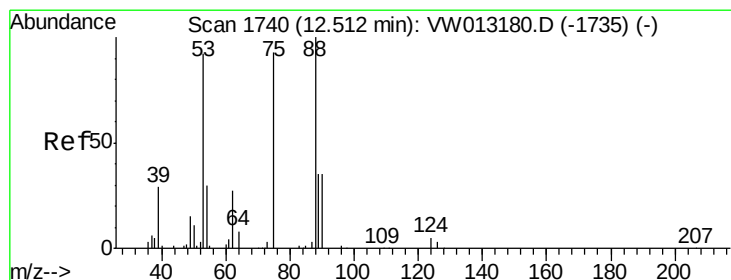
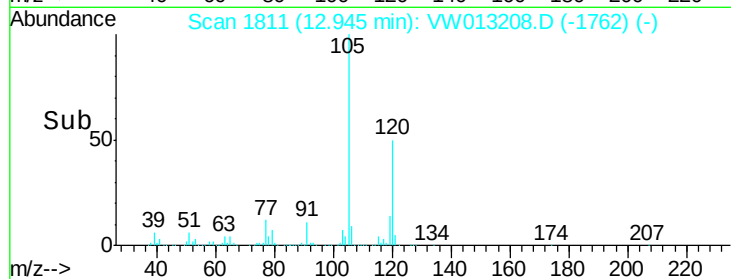
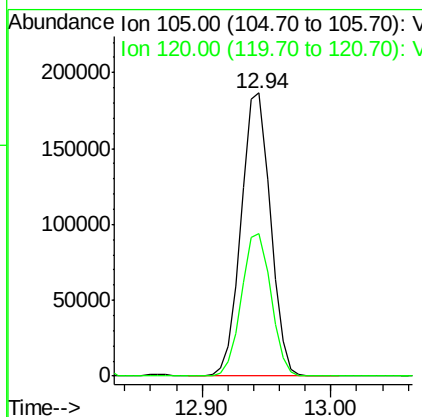
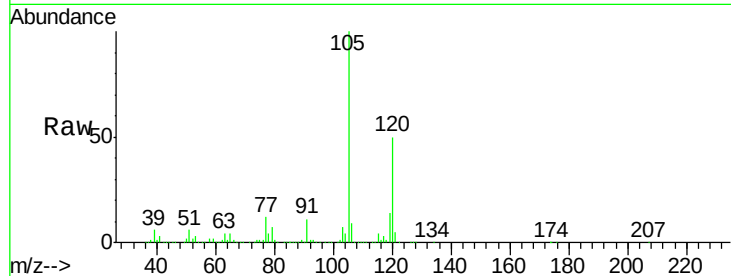
#80
 1,3,5-Trimethylbenzene
 Concen: 49.893 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW013208.D
 Acq: 21 Sep 2019 03:03

Instrument :
 MSVOA_W
 ClientSampleId :
 982-S-3-(19)MS

Tot Ion	Ratio	Lower	Upper
105	100		
120	50.6	24.9	74.8

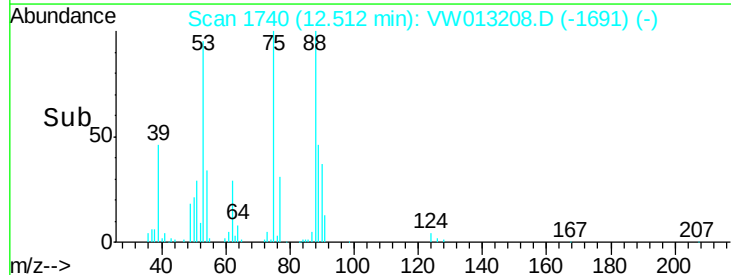
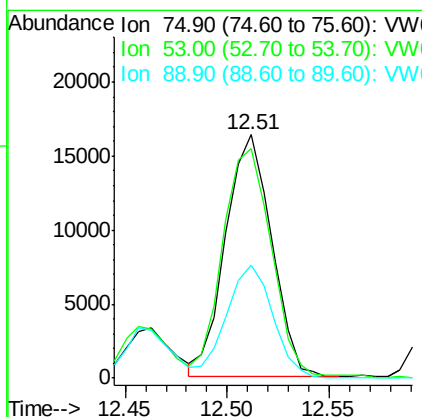
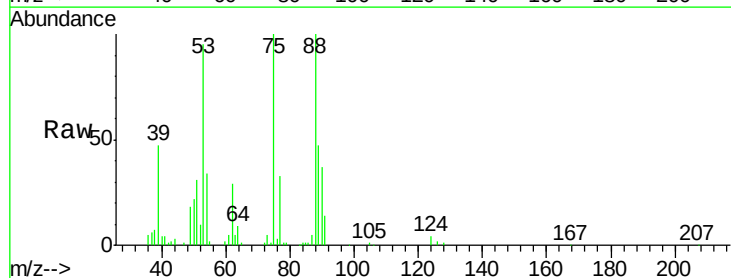
Manual Integrations
 APPROVED

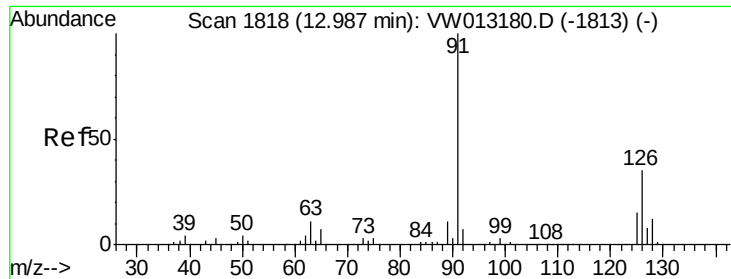
MMDadoda
 9/24/2019 5:29:04 AM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 68.627 ug/l
 RT: 12.51 min Scan# 1740
 Delta R.T. -0.00 min
 Lab File: VW013208.D
 Acq: 21 Sep 2019 03:03

Tgt Ion	Ratio	Lower	Upper
75	100		
53	102.0	76.6	114.8
89	47.4	33.5	50.3





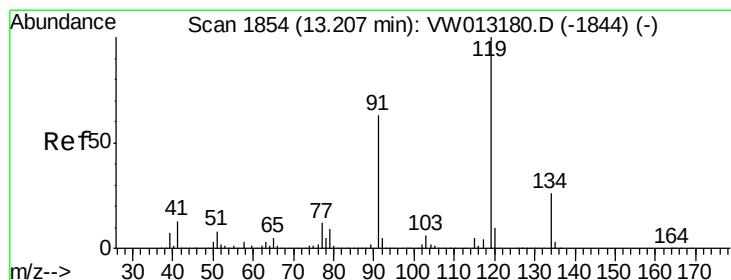
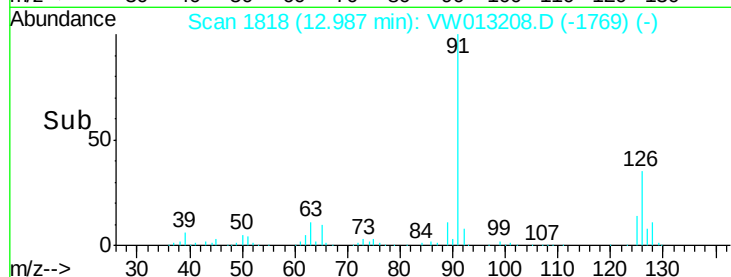
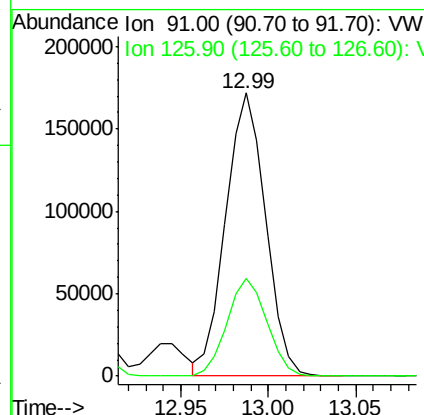
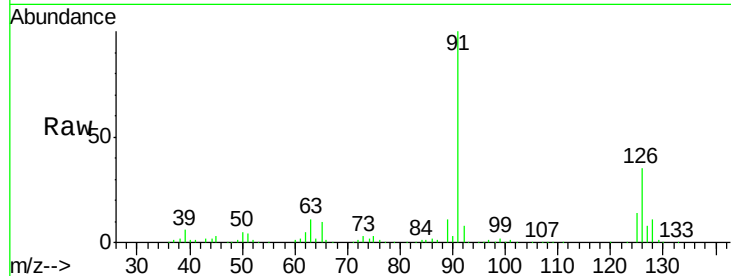
#82
4-Chlorotoluene
Concen: 55.976 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW013208.D
Acq: 21 Sep 2019 03:03

Instrument :
MSVOA_W
ClientSampleId :
982-S-3-(19)MS

Tot Ion	Ratio	Lower	Upper
91	100		
126	34.6	17.3	51.7

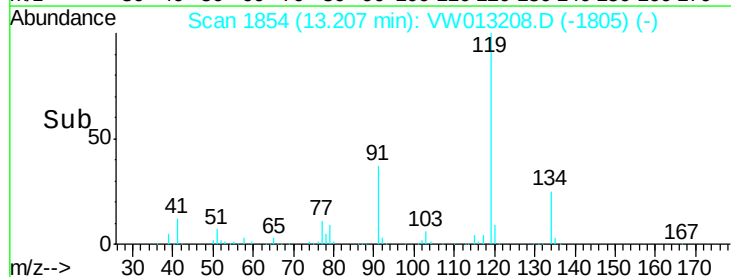
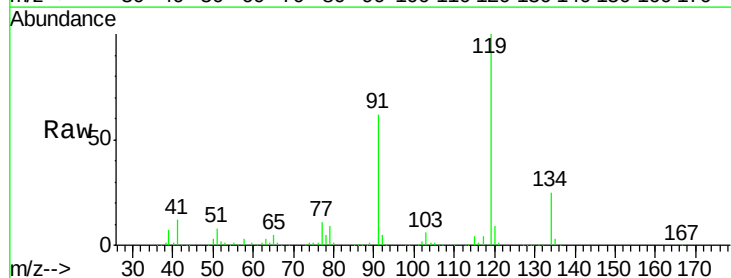
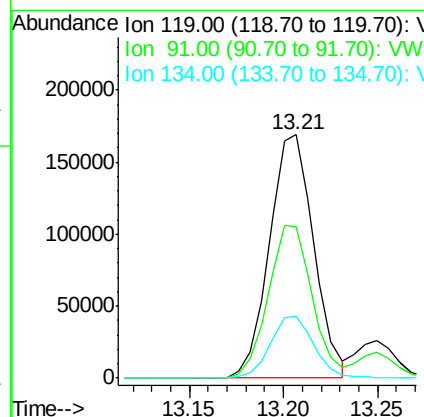
Manual Integrations
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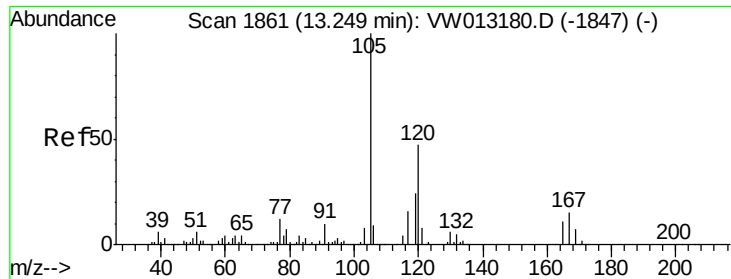
MMDadoda
9/24/2019 5:29:04 AM



#83
tert-Butylbenzene
Concen: 53.250 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW013208.D
Acq: 21 Sep 2019 03:03

Tgt Ion	Ratio	Lower	Upper
119	100		
91	62.3	30.7	92.1
134	25.3	12.6	37.6





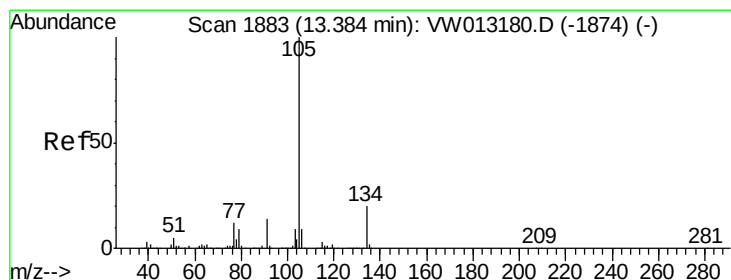
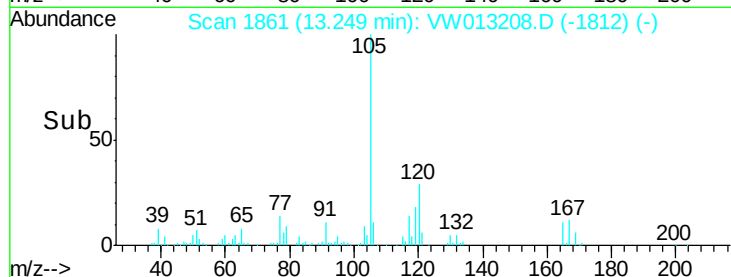
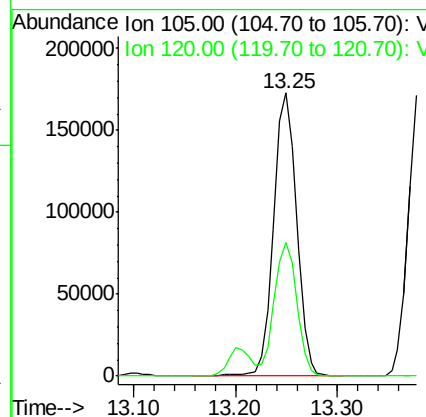
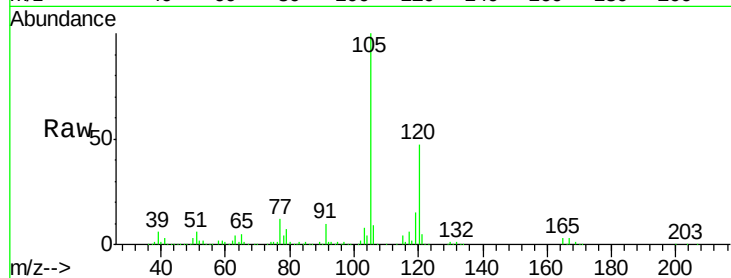
#84
 1,2,4-Trimethylbenzene
 Concen: 46.073 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW013208.D
 Acq: 21 Sep 2019 03:03

Instrument :
 MSVOA_W
 ClientSampleId :
 982-S-3-(19)MS

Tot Ion	Ratio	Lower	Upper
105	100		
120	46.4	23.4	70.3

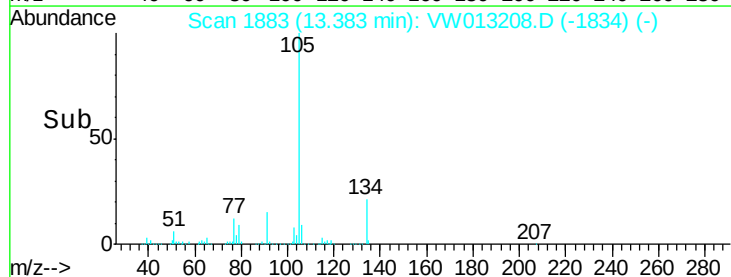
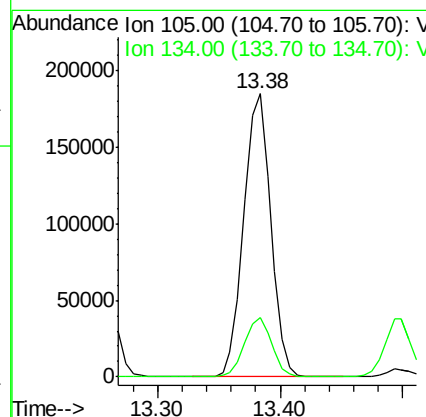
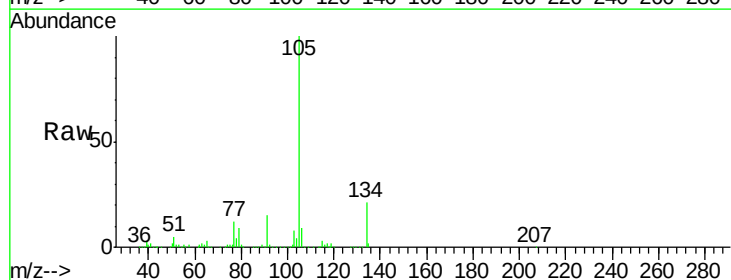
Manual Integrations
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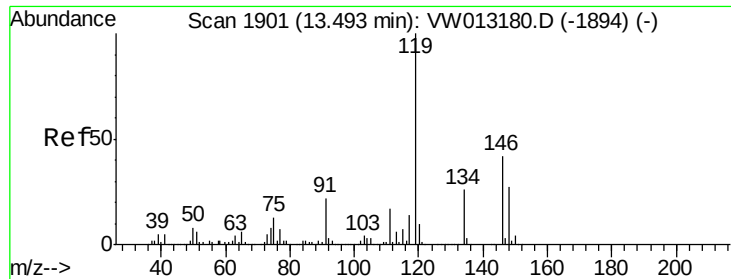
MMDadoda
 9/24/2019 5:29:04 AM



#85
 sec-Butylbenzene
 Concen: 39.833 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW013208.D
 Acq: 21 Sep 2019 03:03

Tgt Ion	Ratio	Lower	Upper
105	100		
134	21.0	10.3	30.8





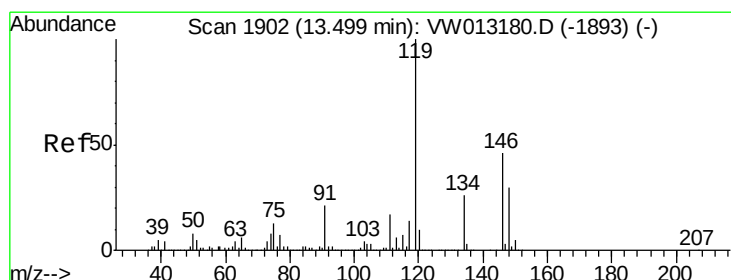
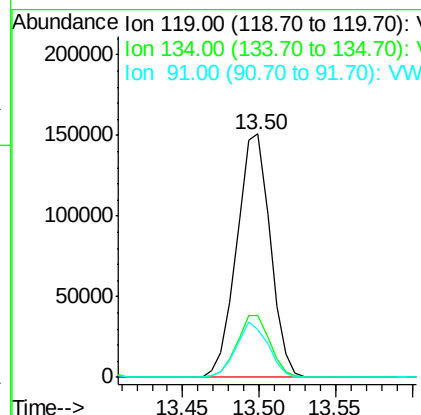
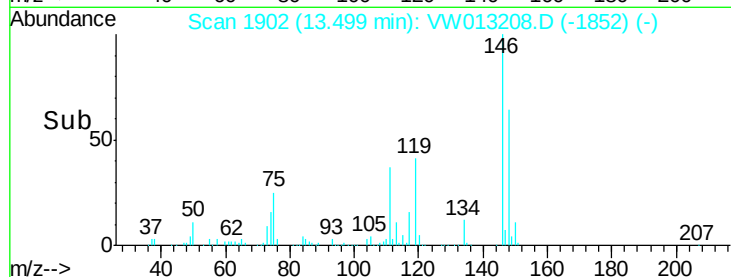
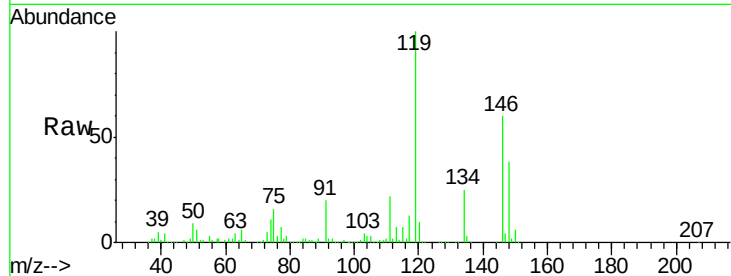
#86
 p-Isopropyltoluene
 Concen: 34.597 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.01 min
 Lab File: VW013208.D
 Acq: 21 Sep 2019 03:03

Instrument :
 MSVOA_W
 ClientSampleId :
 982-S-3-(19)MS

Tot Ion	Ratio	Resp	Lower	Upper
119	100	228418		
134	25.4		13.3	39.8
91	21.5		10.8	32.4

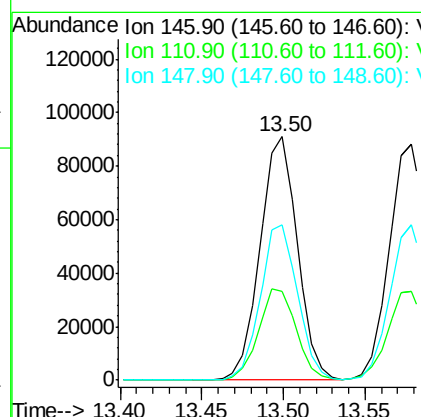
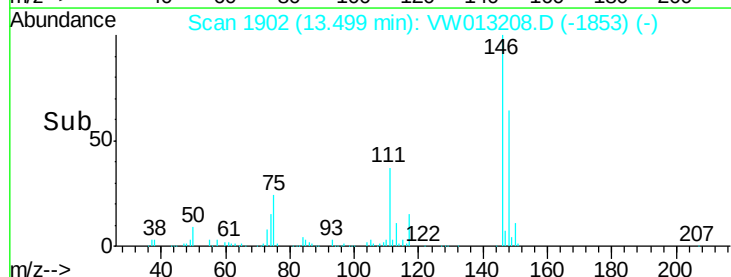
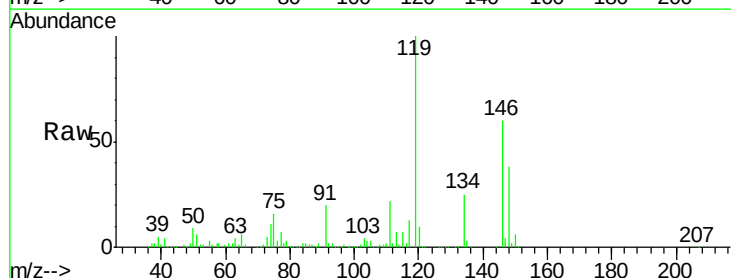
Manual Integrations
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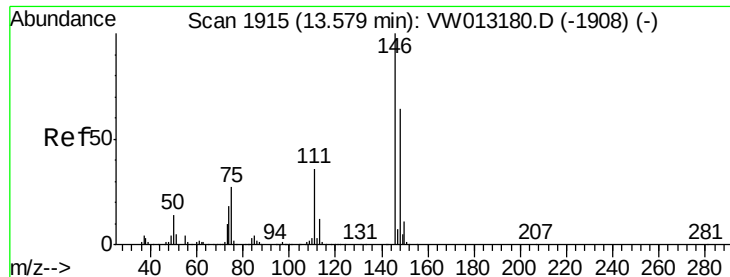
MMDadoda
 9/24/2019 5:29:04 AM



#87
 1,3-Dichlorobenzene
 Concen: 45.467 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013208.D
 Acq: 21 Sep 2019 03:03

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	145107		
111	37.8		18.9	56.9
148	63.8		31.9	95.5





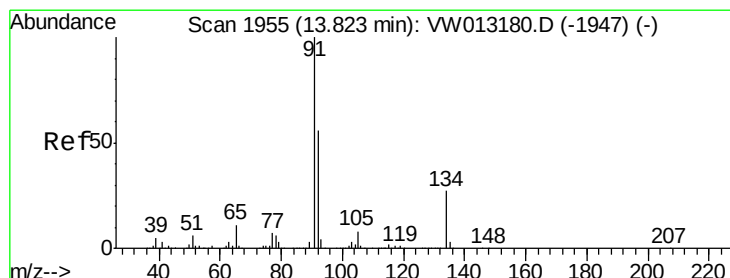
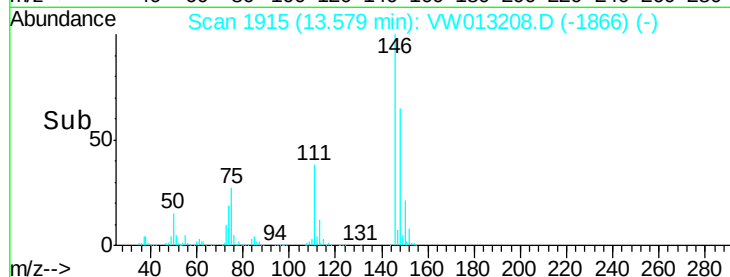
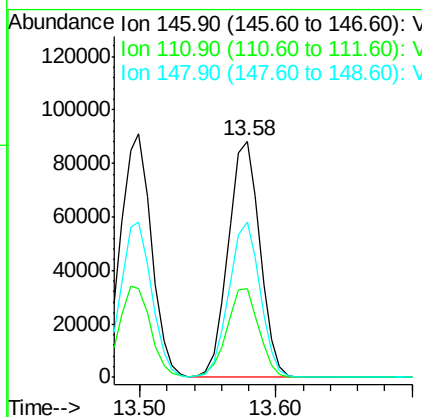
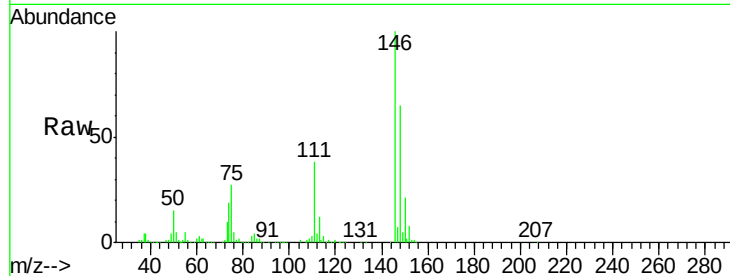
#88
 1,4-Dichlorobenzene
 Concen: 45.713 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013208.D
 Acq: 21 Sep 2019 03:03

Instrument :
 MSVOA_W
 ClientSampled :
 982-S-3-(19)MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	18.4	55.0
148	64.9	32.1	96.3

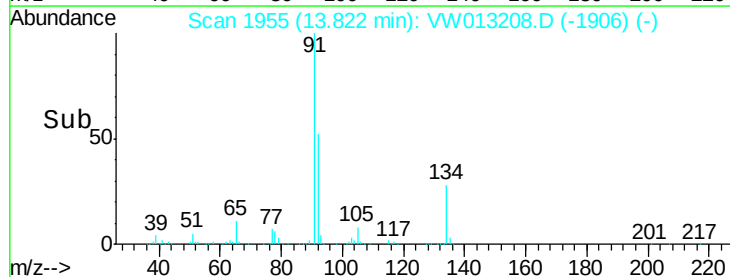
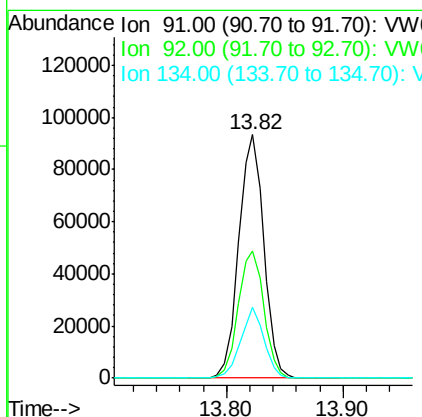
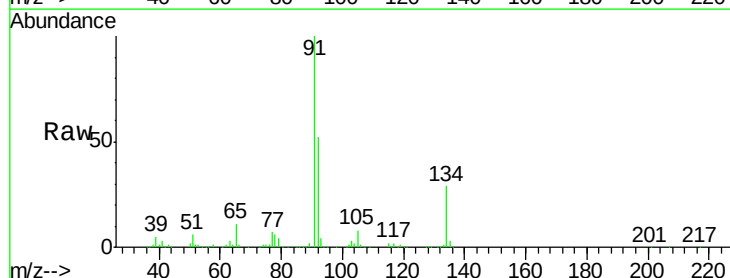
Manual Integrations
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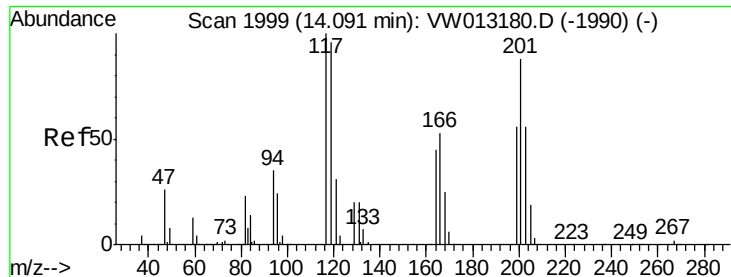
MMDadoda
 9/24/2019 5:29:04 AM



#89
 n-Butylbenzene
 Concen: 23.275 ug/l
 RT: 13.82 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW013208.D
 Acq: 21 Sep 2019 03:03

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.6	27.6	82.8
134	27.2	13.7	41.1





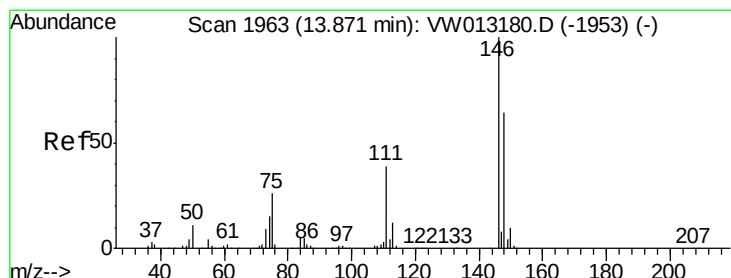
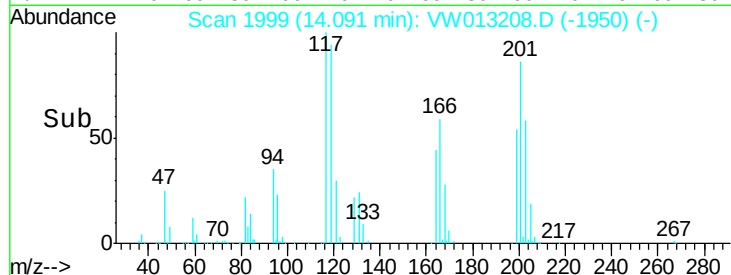
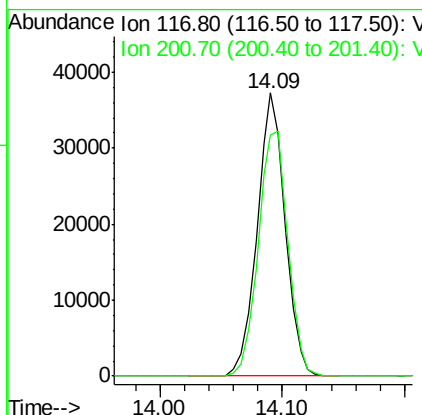
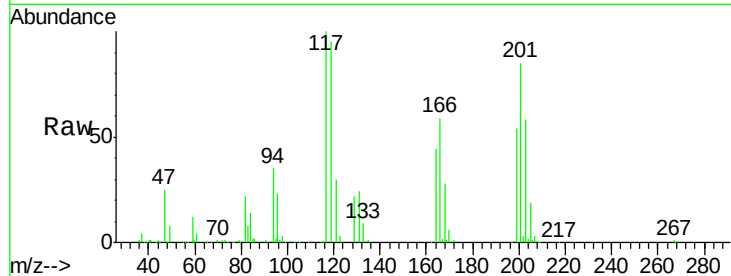
#90
Hexachloroethane
Concen: 53.420 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW013208.D
Acq: 21 Sep 2019 03:03

Instrument :
MSVOA_W
ClientSampleId :
982-S-3-(19)MS

Tot Ion:117 Resp: 59249
Ion Ratio Lower Upper
117 100
201 91.8 44.5 133.5

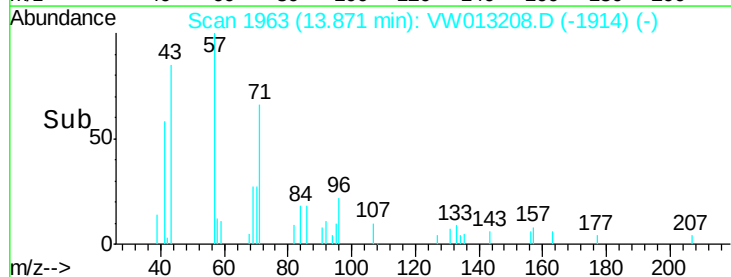
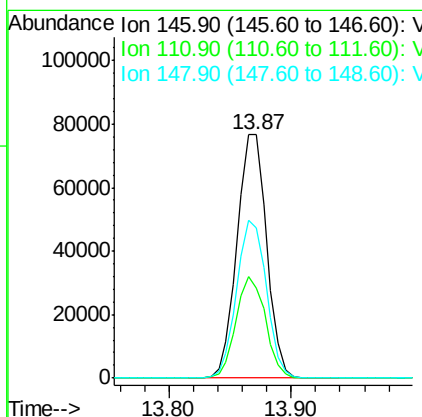
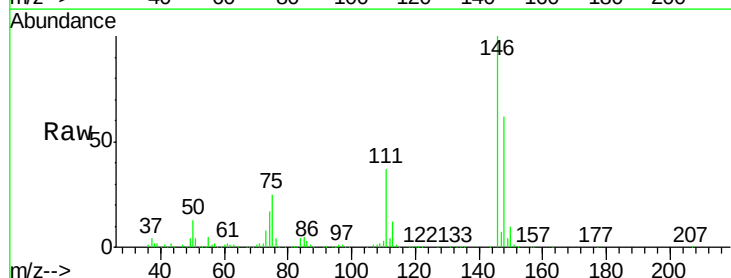
Manual Integrations
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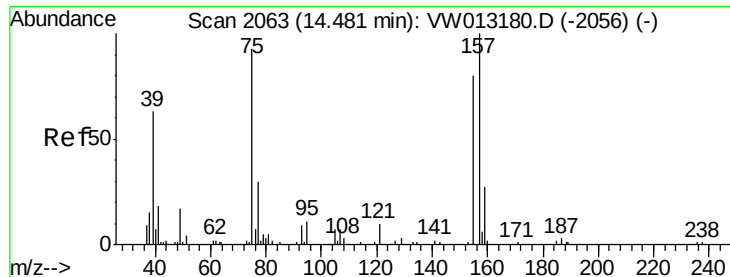
MMDadoda
9/24/2019 5:29:04 AM



#91
1,2-Dichlorobenzene
Concen: 46.788 ug/l
RT: 13.87 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VW013208.D
Acq: 21 Sep 2019 03:03

Tgt Ion:146 Resp: 129183
Ion Ratio Lower Upper
146 100
111 41.1 20.1 60.3
148 64.7 32.0 96.0





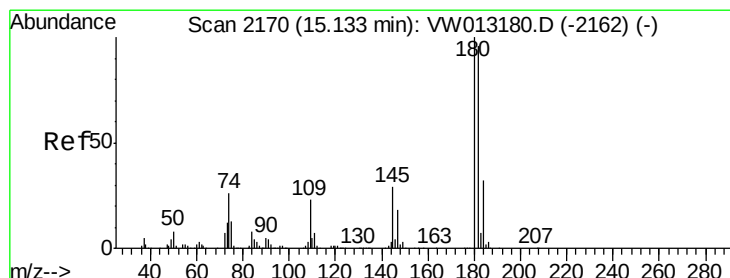
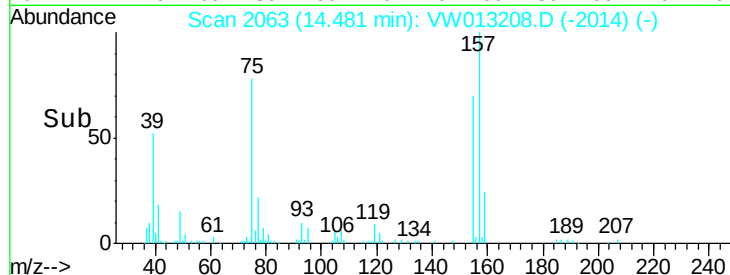
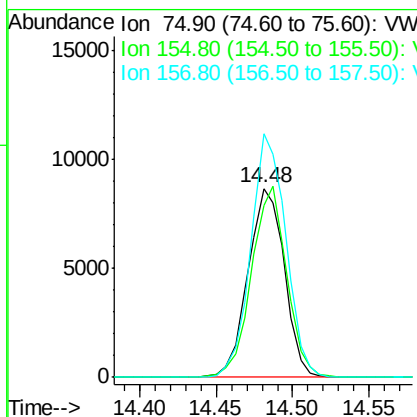
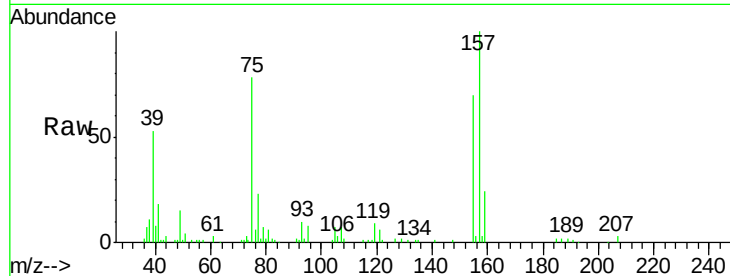
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 80.271 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW013208.D
 Acq: 21 Sep 2019 03:03

Instrument :
 MSVOA_W
 ClientSampleId :
 982-S-3-(19)MS

Tot Ion	Ratio	Lower	Upper
75	100		
155	97.3	46.1	138.3
157	124.2	60.4	181.2

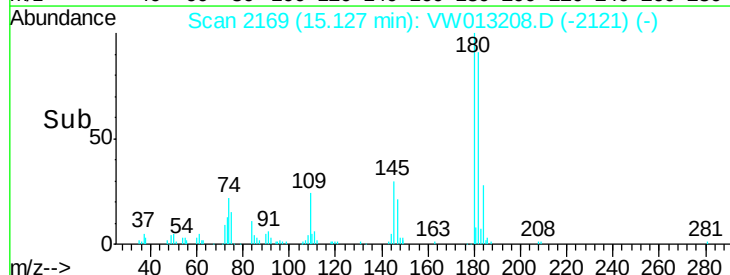
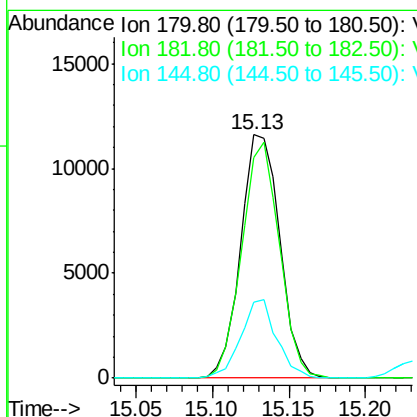
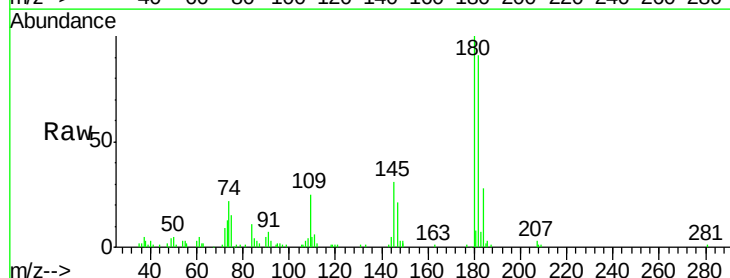
Manual Integrations
 APPROVED

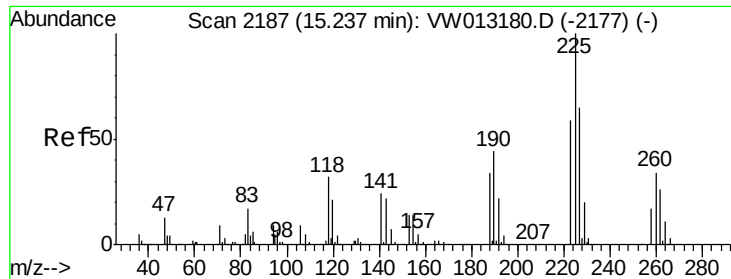
MMDadoda
 9/24/2019 5:29:04 AM



#93
 1,2,4-Trichlorobenzene
 Concen: 10.448 ug/l
 RT: 15.13 min Scan# 2169
 Delta R.T. -0.01 min
 Lab File: VW013208.D
 Acq: 21 Sep 2019 03:03

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.2	47.3	142.0
145	29.3	14.2	42.8





#94

Hexachlorobutadiene

Concen: 14.203 ug/l

RT: 15.24 min Scan# 2187

Delta R.T. -0.00 min

Lab File: VW013208.D

Acq: 21 Sep 2019 03:03

Instrument :

MSVOA_W

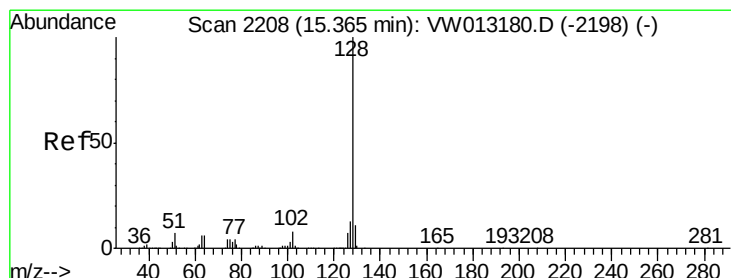
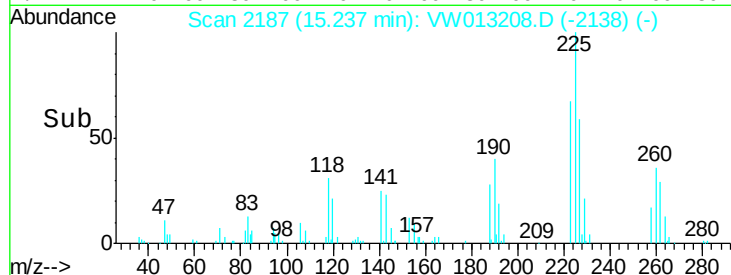
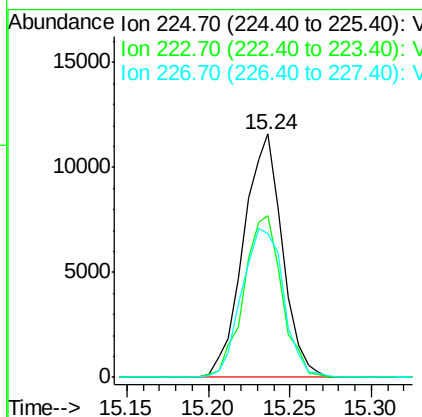
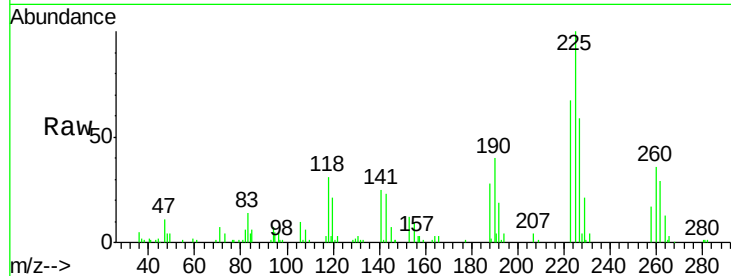
ClientSampleId :

982-S-3-(19)MS

Tot Ion:	225	Resp:	19225
Ion Ratio		Lower	Upper
225	100		
223	65.2	30.6	91.8
227	65.4	31.9	95.9

Manual Integrations
APPROVED

MMDadoda
9/24/2019 5:29:04 AM



#95

Naphthalene

Concen: 25.808 ug/l

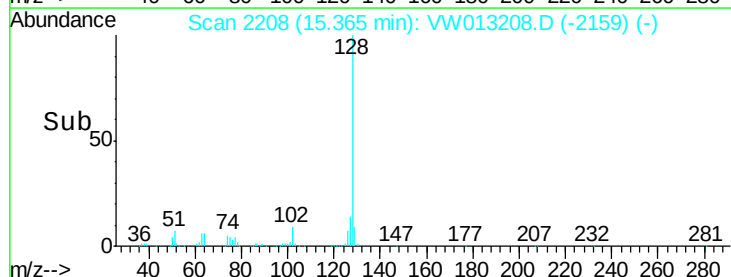
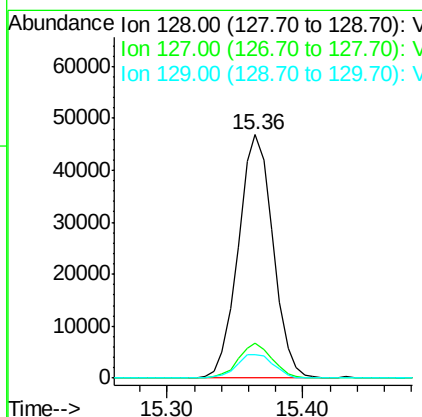
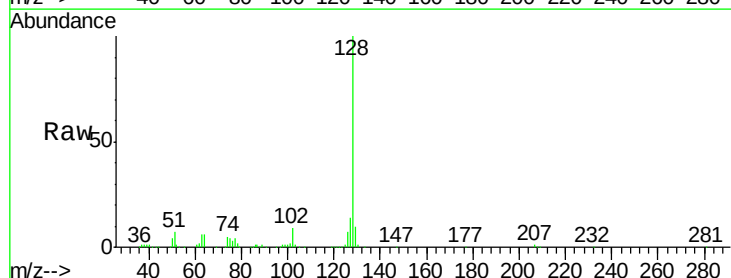
RT: 15.36 min Scan# 2208

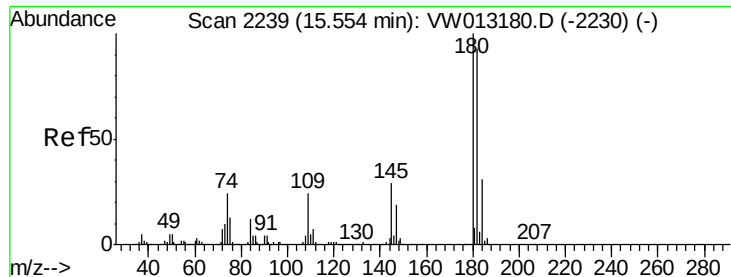
Delta R.T. -0.00 min

Lab File: VW013208.D

Acq: 21 Sep 2019 03:03

Tgt Ion:	128	Resp:	83511
Ion Ratio		Lower	Upper
128	100		
127	13.9	10.6	15.8
129	10.6	8.7	13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 10.330 ug/l
 RT: 15.55 min Scan# 2239
 Delta R.T. -0.00 min
 Lab File: VW013208.D
 Acq: 21 Sep 2019 03:03

Instrument :
 MSVOA_W
 ClientSampleId :
 982-S-3-(19)MS

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.9	47.9	143.7
145	30.6	15.0	45.0

Manual Integrations
 APPROVED

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 9/24/2019 5:29:04 AM

