

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071819\
 Data File : VW011345.D
 Acq On : 18 Jul 2019 20:14
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/19/2019 9:51:10 AM

Quant Time: Jul 19 07:57:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 11 08:14:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	190312	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	314267	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	277118	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	131059	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	107664	45.02	ug/l	0.00
Spiked Amount 50.000			Recovery =	90.04%		
35) Dibromofluoromethane	7.88	113	86368	46.11	ug/l	0.00
Spiked Amount 50.000			Recovery =	92.22%		
50) Toluene-d8	10.32	98	349549	46.17	ug/l	0.00
Spiked Amount 50.000			Recovery =	92.34%		
62) 4-Bromofluorobenzene	12.62	95	125399	45.18	ug/l	0.00
Spiked Amount 50.000			Recovery =	90.36%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	62498	44.033	ug/l	96
3) Chloromethane	2.21	50	85539	46.770	ug/l	100
4) Vinyl Chloride	2.35	62	104172	43.517	ug/l	95
5) Bromomethane	2.76	94	53665	44.614	ug/l	98
6) Chloroethane	2.92	64	58591	45.442	ug/l	98
7) Trichlorofluoromethane	3.24	101	34456	40.517	ug/l	95
8) Diethyl Ether	3.67	74	56027	47.616	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	94797	46.539	ug/l	100
10) Methyl Iodide	4.26	142	132275	47.215	ug/l	99
11) Tert butyl alcohol	5.17	59	42228	238.513	ug/l	97
12) 1,1-Dichloroethene	4.04	96	99954	47.278	ug/l	94
13) Acrolein	3.89	56	26519	188.103	ug/l	100
14) Allyl chloride	4.66	41	185409	48.092	ug/l	98
15) Acrylonitrile	5.36	53	145658	243.064	ug/l	100
16) Acetone	4.12	43	145291	252.511	ug/l	98
17) Carbon Disulfide	4.38	76	287864	44.912	ug/l	100
18) Methyl Acetate	4.67	43	73336	44.669	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	153912	47.979	ug/l	99
20) Methylene Chloride	4.91	84	113892	50.176	ug/l	94
21) trans-1,2-Dichloroethene	5.41	96	105351	47.956	ug/l	97
22) Diisopropyl ether	6.31	45	410189	49.468	ug/l	98
23) Vinyl Acetate	6.25	43	1284813	250.369	ug/l	99
24) 1,1-Dichloroethane	6.21	63	211858	48.655	ug/l	99
25) 2-Butanone	7.17	43	225760	249.955	ug/l	97
26) 2,2-Dichloropropane	7.16	77	97389	43.028	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	116832	49.301	ug/l	98
28) Bromochloromethane	7.51	49	88496	44.698	ug/l	99
29) Tetrahydrofuran	7.52	42	142679	240.915	ug/l	100
30) Chloroform	7.67	83	195024	48.363	ug/l	97
31) Cyclohexane	7.95	56	207917	44.884	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	143082	46.645	ug/l	99
36) 1,1-Dichloropropene	8.08	75	158210	47.274	ug/l	99
37) Ethyl Acetate	7.24	43	97544	48.511	ug/l	100
38) Carbon Tetrachloride	8.07	117	133970	47.222	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	190771	47.031	ug/l	98
40) Benzene	8.32	78	449647	48.616	ug/l	99
41) Methacrylonitrile	7.48	41	61011	53.052	ug/l	90
42) 1,2-Dichloroethane	8.40	62	143305	47.764	ug/l	100
43) Isopropyl Acetate	8.42	43	182464	48.064	ug/l	99
44) Trichloroethene	9.09	130	106812	47.991	ug/l	97
45) 1,2-Dichloropropane	9.37	63	122716	48.997	ug/l	99
46) Dibromomethane	9.46	93	56600	48.108	ug/l	99
47) Bromodichloromethane	9.64	83	143799	47.769	ug/l	98
48) Methyl methacrylate	9.43	41	89277	48.882	ug/l	98
49) 1,4-Dioxane	9.45	88	18929	963.892	ug/l	94
51) 4-Methyl-2-Pentanone	10.21	43	490514	247.350	ug/l	100
52) Toluene	10.38	92	273706	48.785	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	147706	46.096	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	176416	46.775	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	80416	48.180	ug/l	96
56) Ethyl methacrylate	10.65	69	124734	49.086	ug/l	98
57) 1,3-Dichloropropane	10.93	76	151367	47.958	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	242196	205.588	ug/l	99
59) 2-Hexanone	10.97	43	339624	246.952	ug/l	100
60) Dibromochloromethane	11.13	129	87183	47.634	ug/l	99
61) 1,2-Dibromoethane	11.23	107	75075	47.486	ug/l	99
64) Tetrachloroethene	10.86	164	92200	49.306	ug/l	96
65) Chlorobenzene	11.66	112	269035	47.751	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	96619	48.705	ug/l	99
67) Ethyl Benzene	11.73	91	526144	48.782	ug/l	99
68) m/p-Xylenes	11.84	106	382246	97.943	ug/l	100
69) o-Xylene	12.16	106	176608	48.012	ug/l	98
70) Styrene	12.18	104	310881	48.971	ug/l	100
71) Bromoform	12.35	173	48989	46.446	ug/l #	99
73) Isopropylbenzene	12.46	105	492195	50.239	ug/l	100
74) N-amyl acetate	12.27	43	170470	49.960	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	98196	48.896	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	69499m	45.887	ug/l	
77) Bromobenzene	12.75	156	109416	49.765	ug/l	98
78) n-propylbenzene	12.80	91	599728	49.693	ug/l	100
79) 2-Chlorotoluene	12.89	91	344829	49.652	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	414513	49.802	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	28445	42.479	ug/l	95
82) 4-Chlorotoluene	12.99	91	351766	48.630	ug/l	99
83) tert-Butylbenzene	13.21	119	344867	49.682	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	415693	49.739	ug/l	99
85) sec-Butylbenzene	13.38	105	491335	49.054	ug/l	100
86) p-Isopropyltoluene	13.50	119	441830	49.181	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	207501	49.052	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	204841	48.088	ug/l	99
89) n-Butylbenzene	13.82	91	433635	48.386	ug/l	99
90) Hexachloroethane	14.10	117	77994	47.510	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	187340	48.816	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	16838	47.268	ug/l	97

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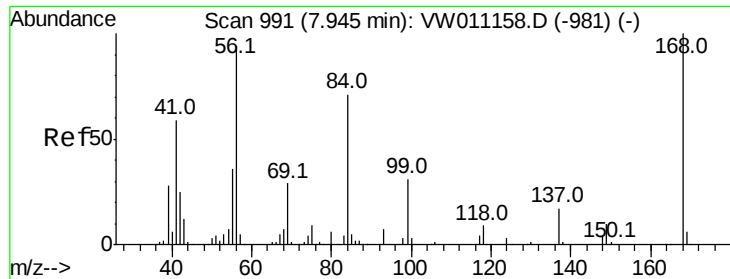
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	124794	47.211	ug/l	97
94) Hexachlorobutadiene	15.24	225	74701	46.031	ug/l	99
95) Naphthalene	15.37	128	242116	47.799	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	108153	46.361	ug/l	99

(#) = 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: VW011345.D

Acq: 18 Jul 2019 20:14

Instrument :

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ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 190312

Ion Ratio Lower Upper

168 100

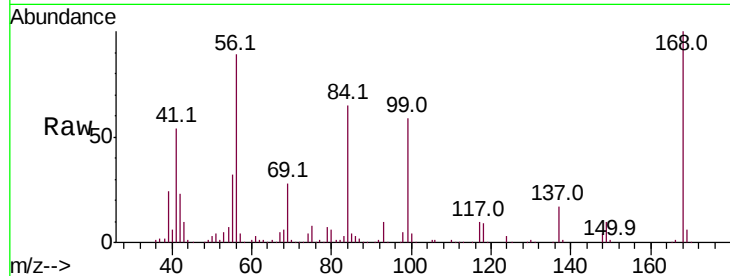
99 58.7 50.1 75.1

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

80000

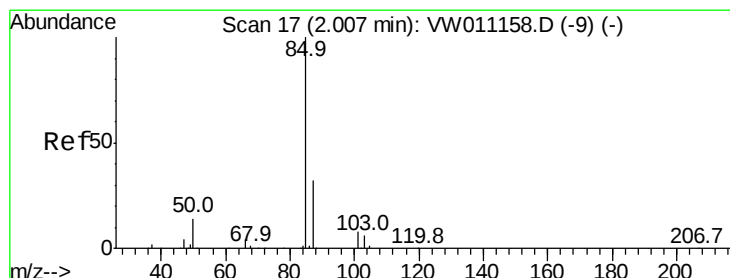
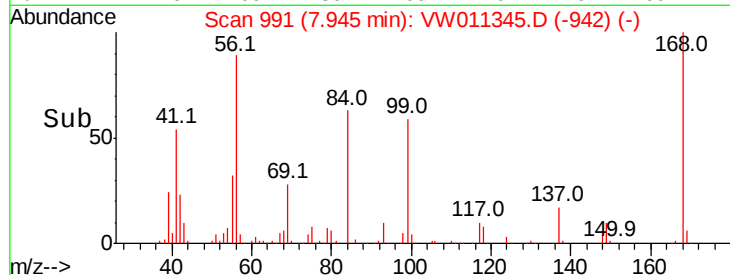
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 44.033 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW011345.D

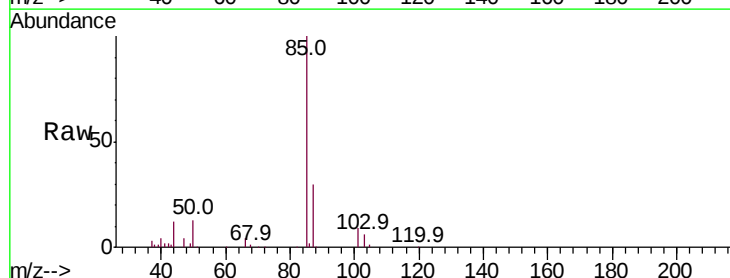
Acq: 18 Jul 2019 20:14

Tgt Ion: 85 Resp: 62498

Ion Ratio Lower Upper

85 100

87 29.7 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

20000

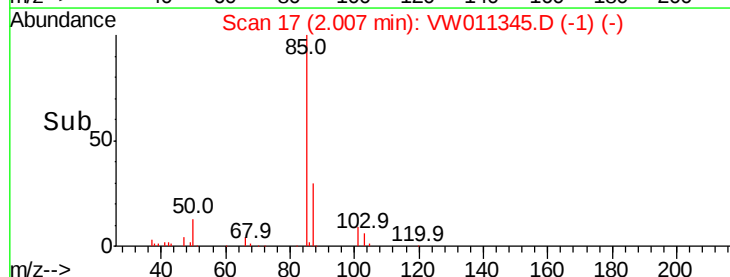
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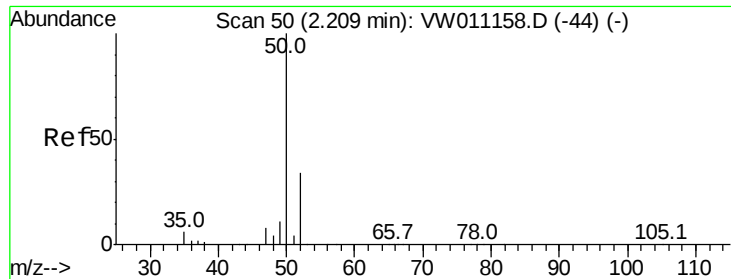
10000

5000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 46.770 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW011345.D

Acq: 18 Jul 2019 20:14

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 85539

Ion Ratio Lower Upper

50 100

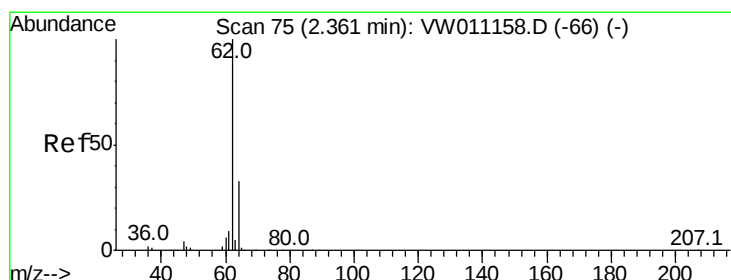
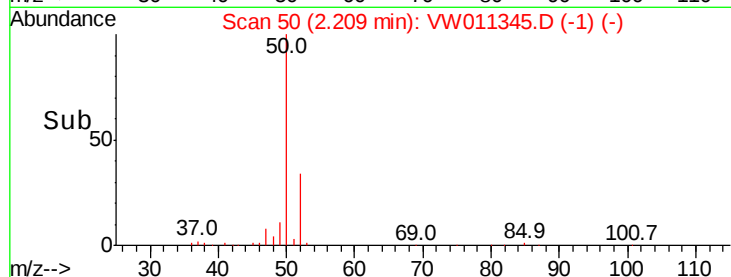
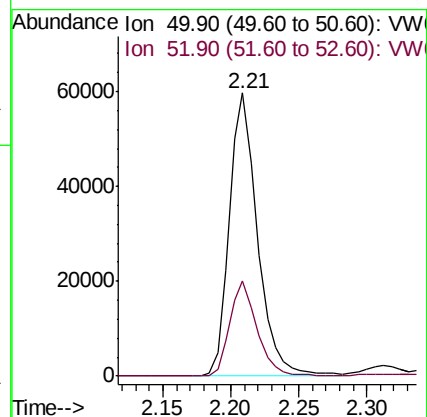
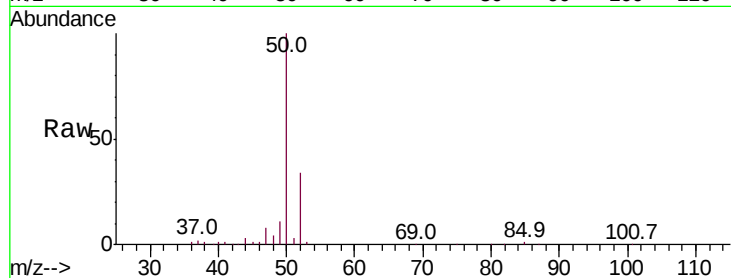
52 33.6 26.9 40.3

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#4

Vinyl Chloride

Concen: 43.517 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW011345.D

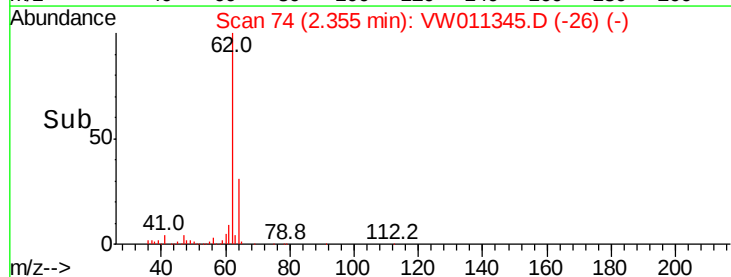
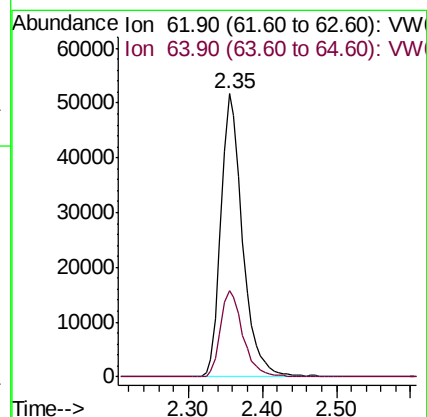
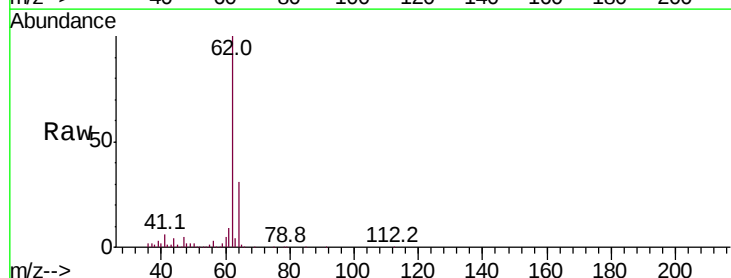
Acq: 18 Jul 2019 20:14

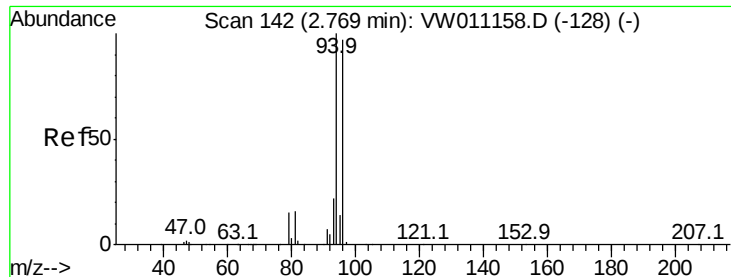
Tgt Ion: 62 Resp: 104172

Ion Ratio Lower Upper

62 100

64 30.7 26.6 40.0





#5

Bromomethane

Concen: 44.614 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW011345.D

Acq: 18 Jul 2019 20:14

Instrument :

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Tot Ion: 94 Resp: 53665

Ion Ratio Lower Upper

94 100

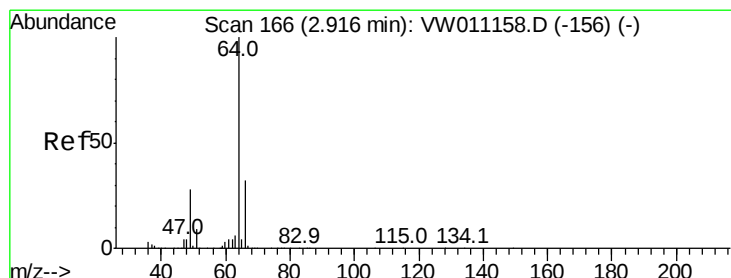
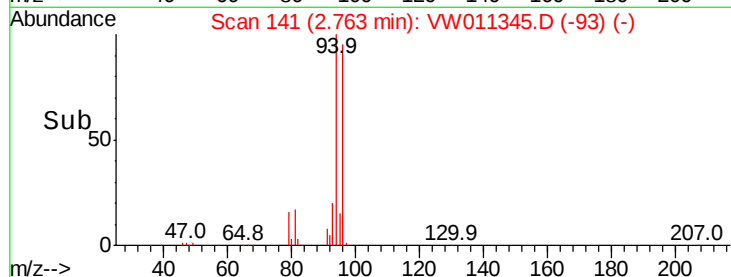
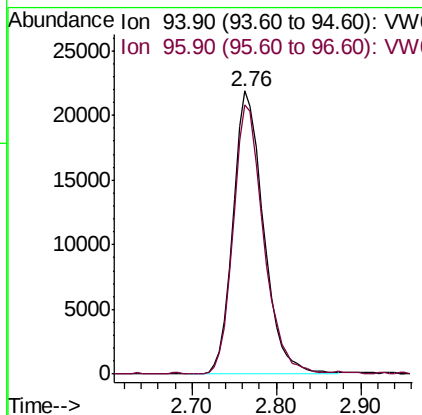
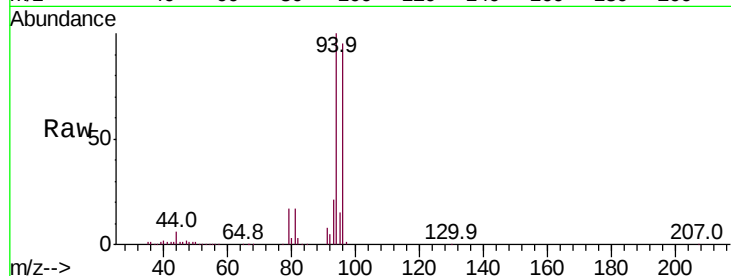
96 95.1 77.4 116.0

Manual Integrations

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#6

Chloroethane

Concen: 45.442 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW011345.D

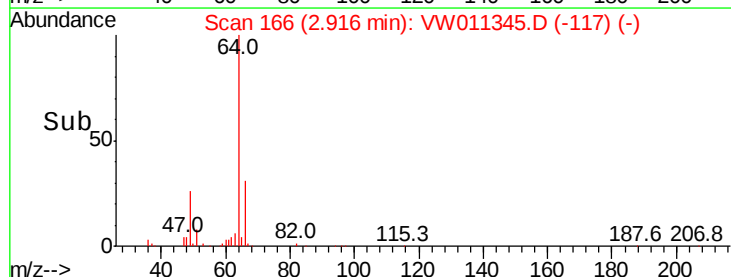
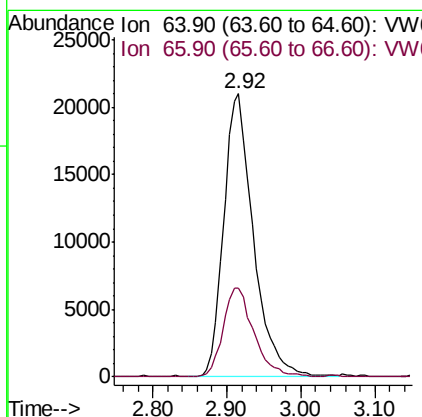
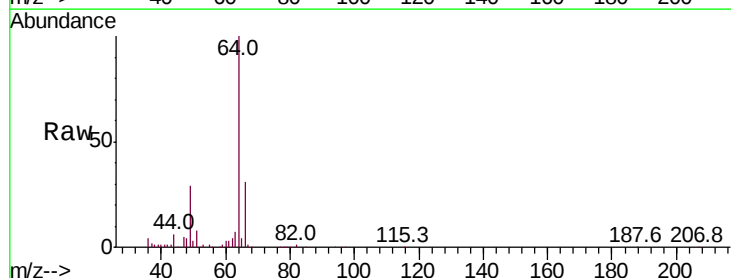
Acq: 18 Jul 2019 20:14

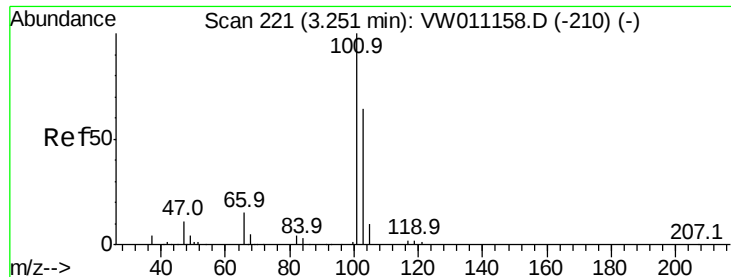
Tgt Ion: 64 Resp: 58591

Ion Ratio Lower Upper

64 100

66 31.2 25.8 38.8





#7

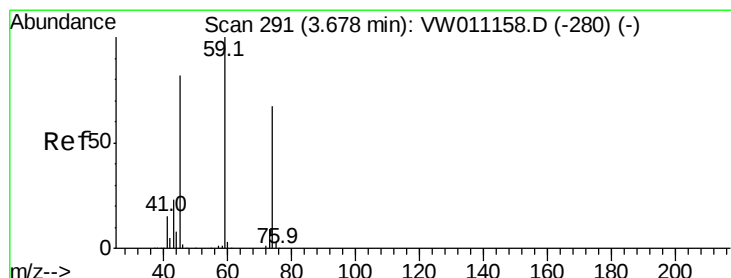
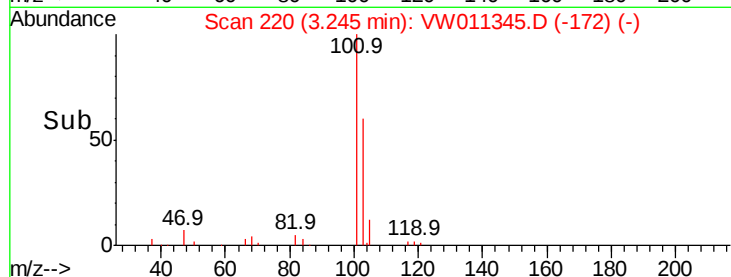
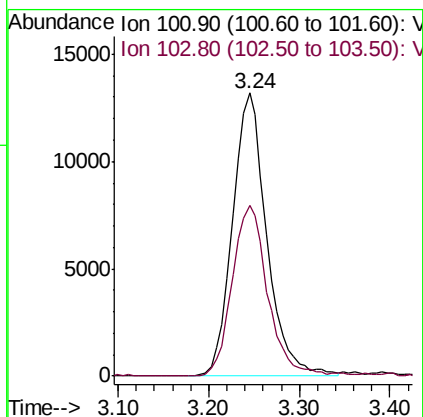
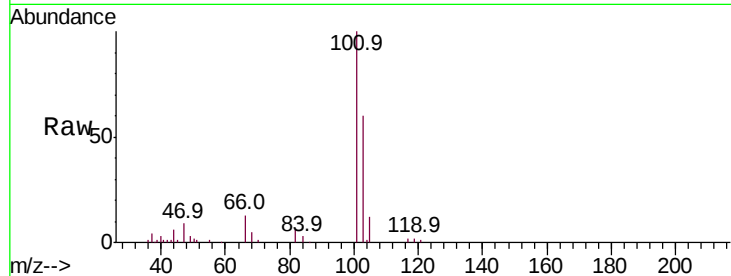
Trichlorofluoromethane
Concen: 40.517 ug/l
RT: 3.24 min Scan# 220
Delta R.T. -0.01 min
Lab File: VW011345.D
Acq: 18 Jul 2019 20:14

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Tot Ion	Ratio	Lower	Upper
101	100		
103	60.3	51.3	76.9

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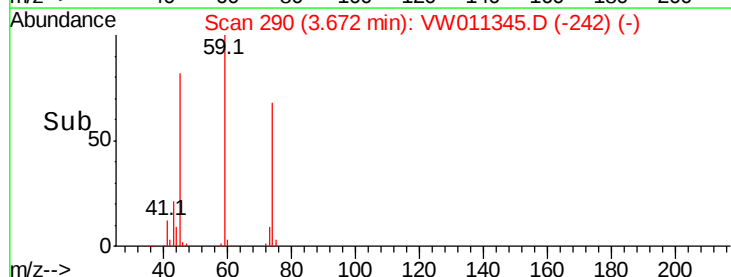
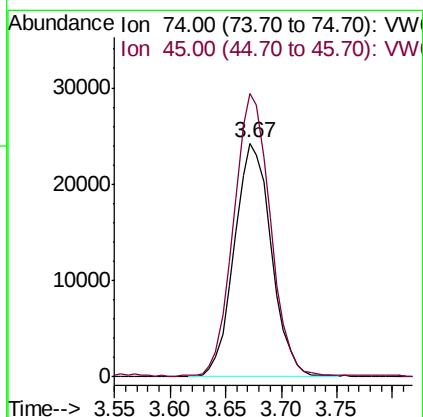
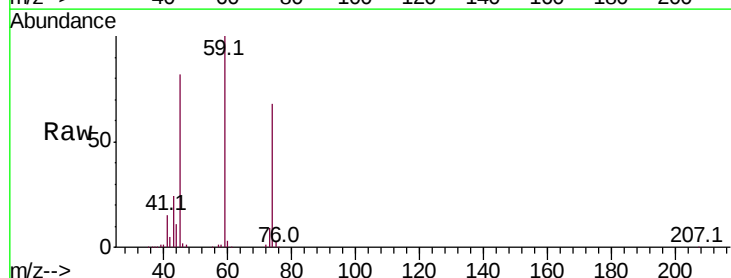
MMDadoda
7/19/2019 9:51:10 AM

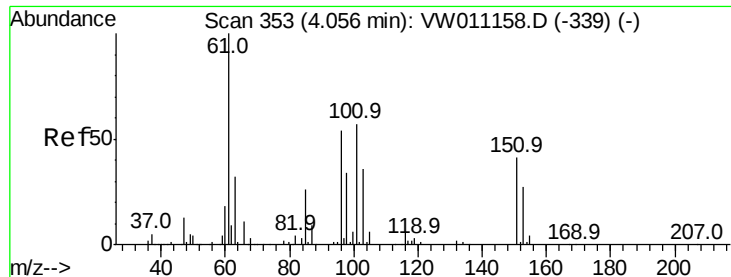


#8

Diethyl Ether
Concen: 47.616 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.01 min
Lab File: VW011345.D
Acq: 18 Jul 2019 20:14

Tgt Ion	Ratio	Lower	Upper
74	100		
45	120.1	59.9	179.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.539 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.00 min

Lab File: VW011345.D

Acq: 18 Jul 2019 20:14

Instrument :

MSVOA_W

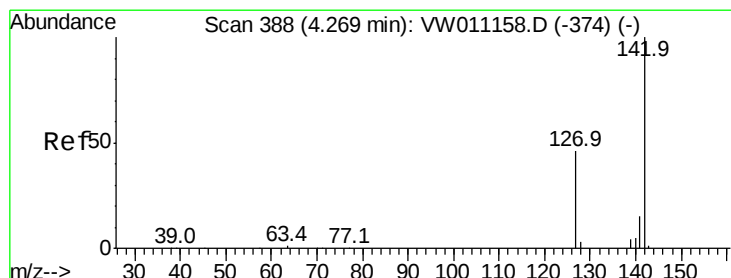
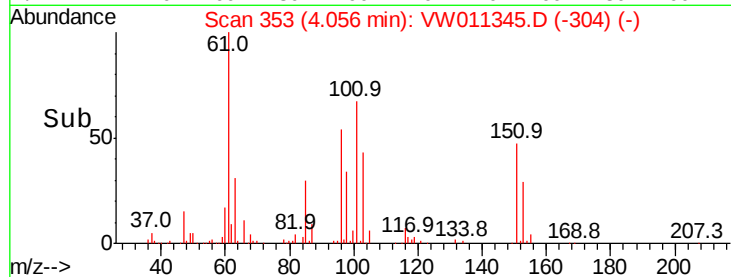
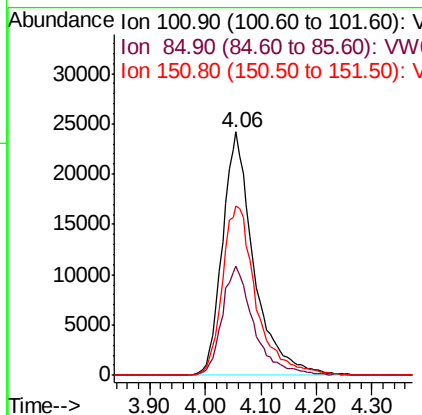
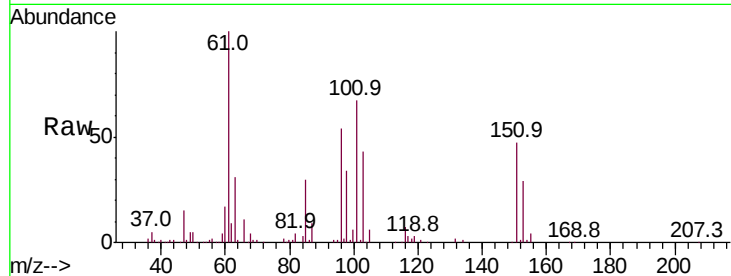
ClientSampleId :

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Tot Ion:	101	Resp:	94797
Ion Ratio	Lower	Upper	
101	100		
85	45.4	36.5	54.7
151	74.3	59.1	88.7

Manual Integrations
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#10

Methyl Iodide

Concen: 47.215 ug/l

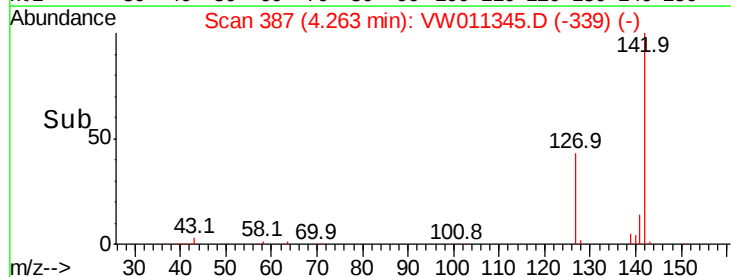
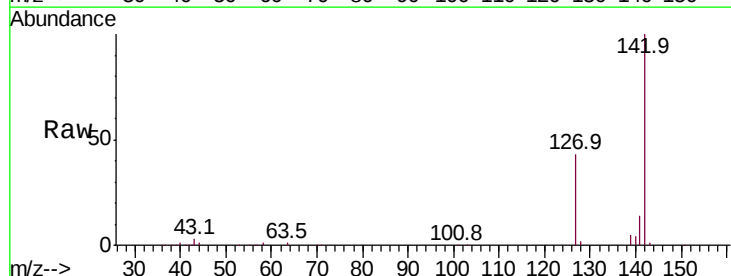
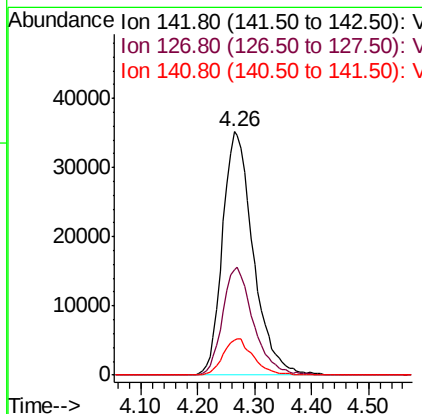
RT: 4.26 min Scan# 387

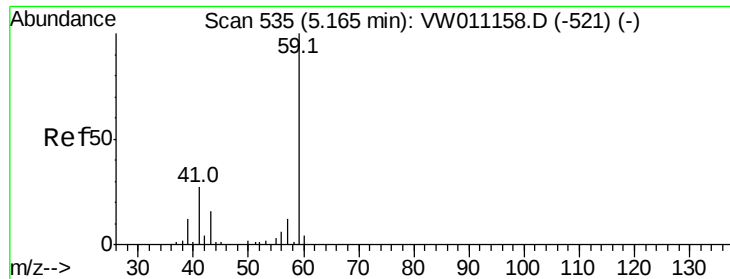
Delta R.T. -0.01 min

Lab File: VW011345.D

Acq: 18 Jul 2019 20:14

Tgt Ion:	142	Resp:	132275
Ion Ratio	Lower	Upper	
142	100		
127	44.3	35.7	53.5
141	14.7	11.5	17.3





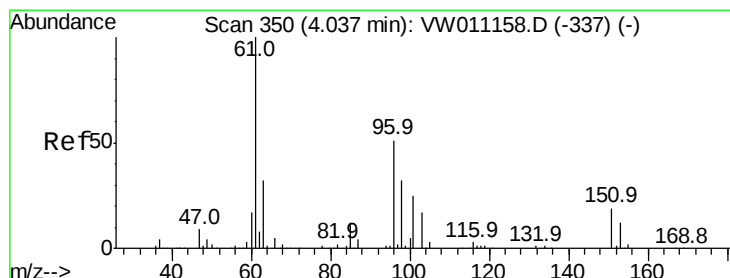
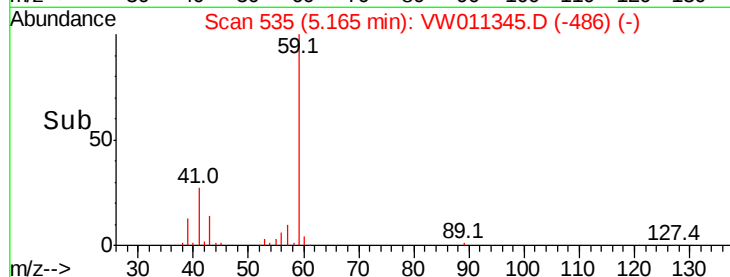
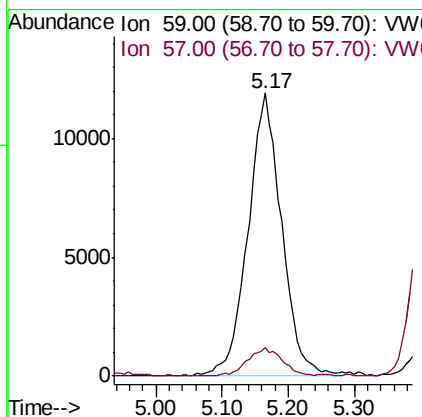
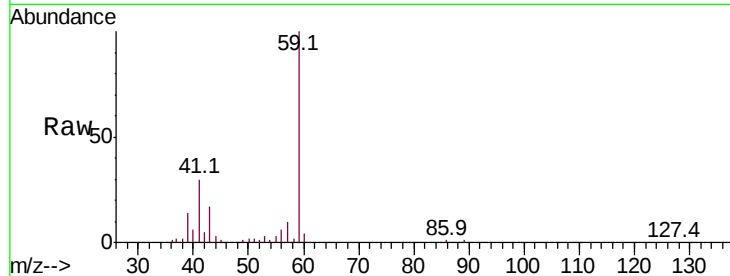
#11
Tert butyl alcohol
Concen: 238.513 ug/l
RT: 5.17 min Scan# 535
Delta R.T. 0.00 min
Lab File: VW011345.D
Acq: 18 Jul 2019 20:14

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 59 Resp: 42228
Ion Ratio Lower Upper
59 100
57 10.3 9.0 13.6

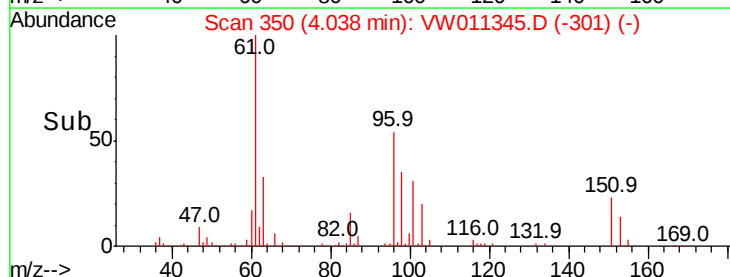
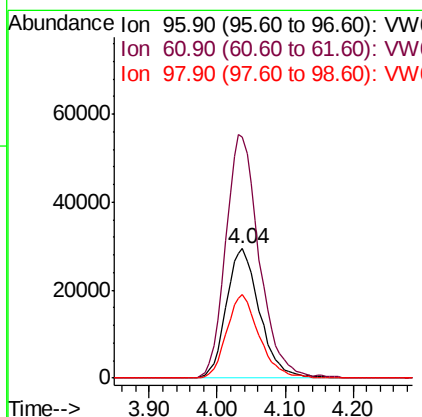
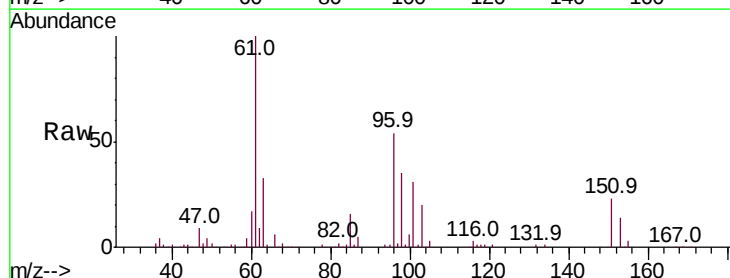
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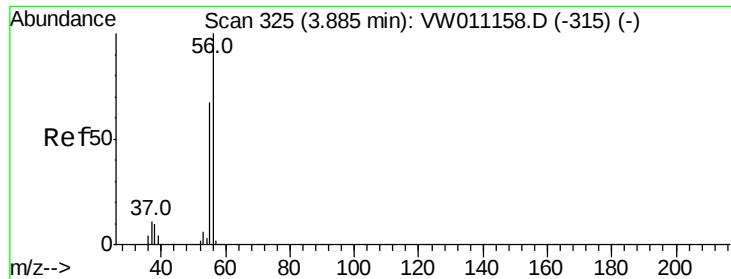
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#12
1,1-Dichloroethene
Concen: 47.278 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.00 min
Lab File: VW011345.D
Acq: 18 Jul 2019 20:14

Tgt Ion: 96 Resp: 99954
Ion Ratio Lower Upper
96 100
61 186.3 157.7 236.5
98 64.6 50.9 76.3





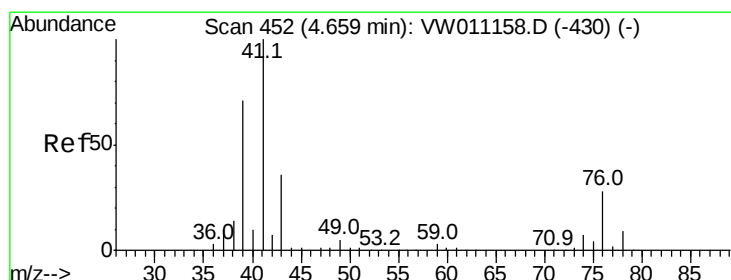
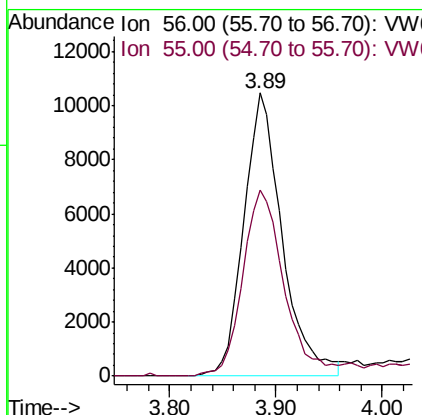
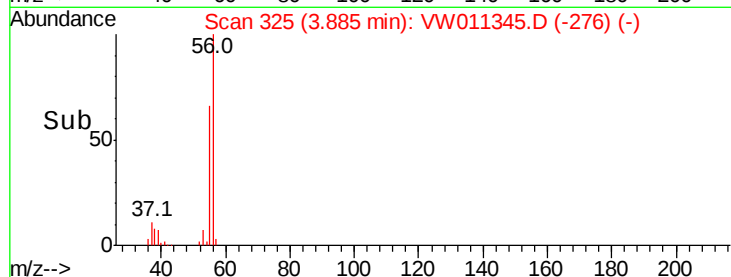
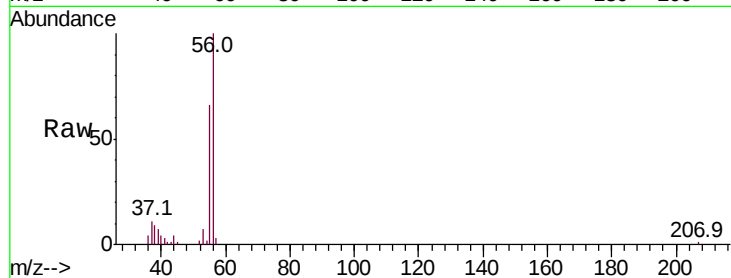
#13
Acrolein
Concen: 188.103 ug/l
RT: 3.89 min Scan# 325
Delta R.T. 0.00 min
Lab File: VW011345.D
Acq: 18 Jul 2019 20:14

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 56 Resp: 26519
Ion Ratio Lower Upper
56 100
55 70.7 56.4 84.6

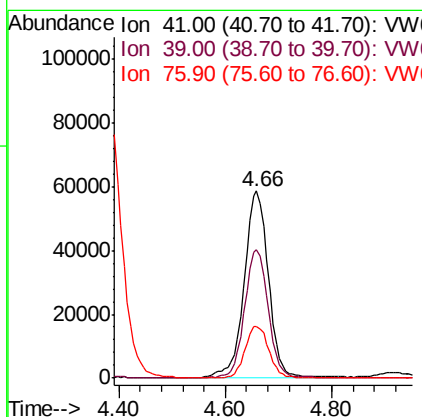
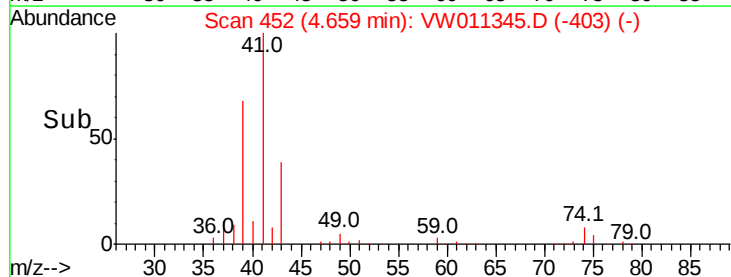
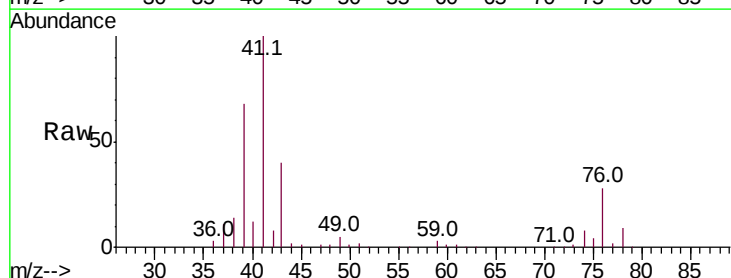
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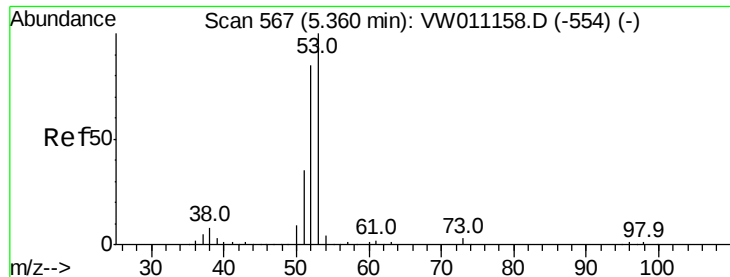
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#14
Allyl chloride
Concen: 48.092 ug/l
RT: 4.66 min Scan# 452
Delta R.T. 0.00 min
Lab File: VW011345.D
Acq: 18 Jul 2019 20:14

Tgt Ion: 41 Resp: 185409
Ion Ratio Lower Upper
41 100
39 67.2 55.1 82.7
76 26.6 22.5 33.7





#15

Acrylonitrile

Concen: 243.064 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW011345.D

Acq: 18 Jul 2019 20:14

Instrument :

MSVOA_W

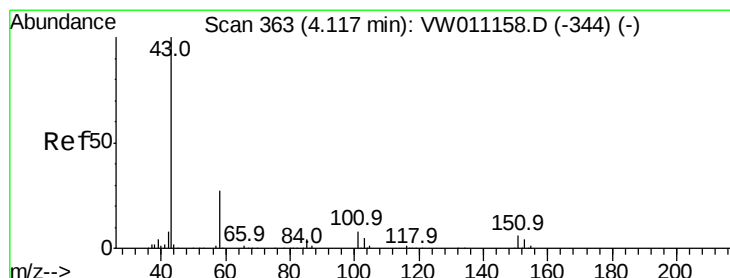
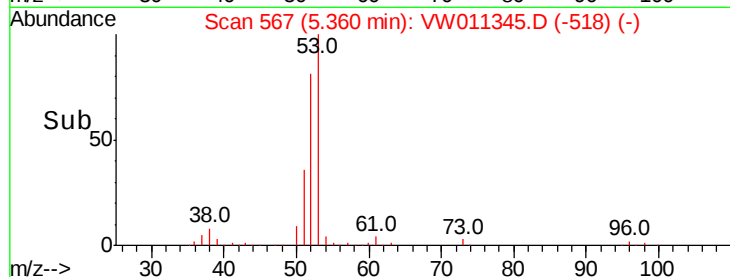
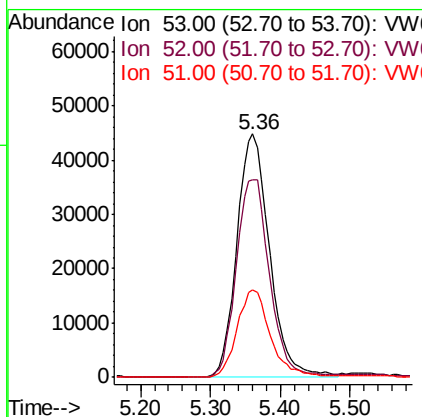
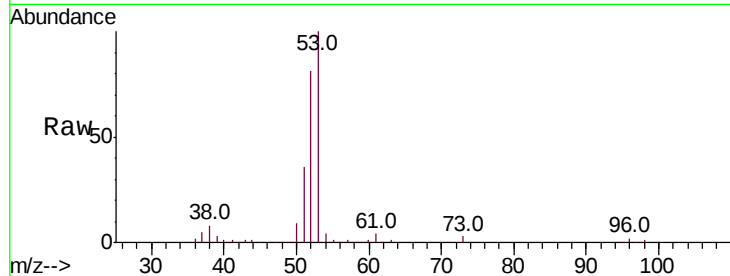
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	145658
Ion Ratio	Lower	Upper	
53	100		
52	82.8	66.2	99.4
51	36.6	29.1	43.7

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#16

Acetone

Concen: 252.511 ug/l

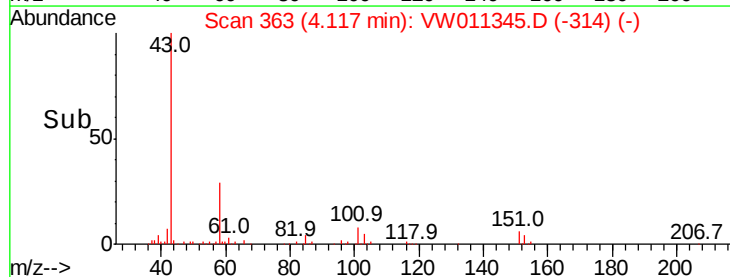
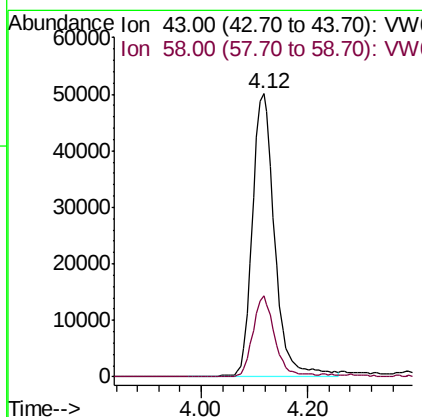
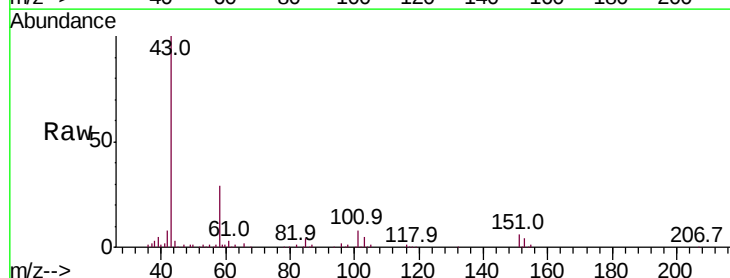
RT: 4.12 min Scan# 363

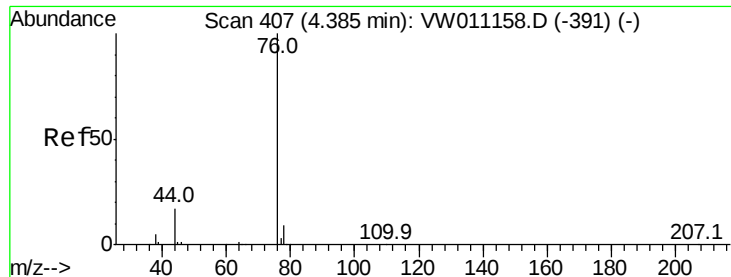
Delta R.T. 0.00 min

Lab File: VW011345.D

Acq: 18 Jul 2019 20:14

Tgt Ion:	43	Resp:	145291
Ion Ratio	Lower	Upper	
43	100		
58	28.3	21.8	32.6





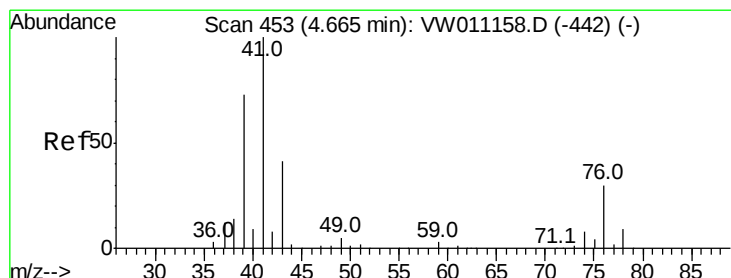
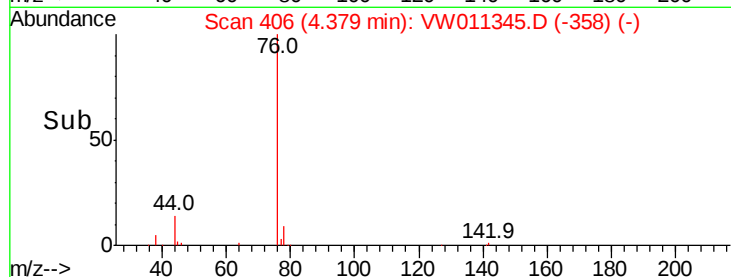
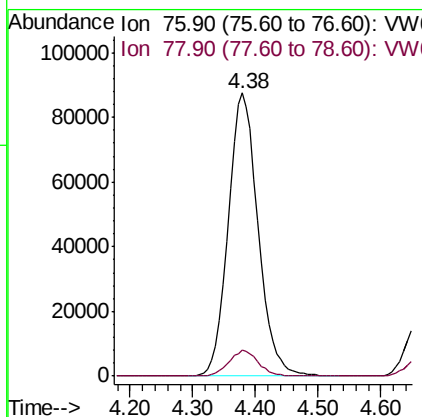
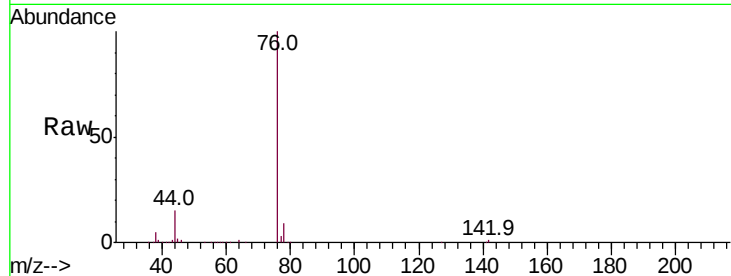
#17
Carbon Disulfide
Concen: 44.912 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW011345.D
Acq: 18 Jul 2019 20:14

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.1	10.7

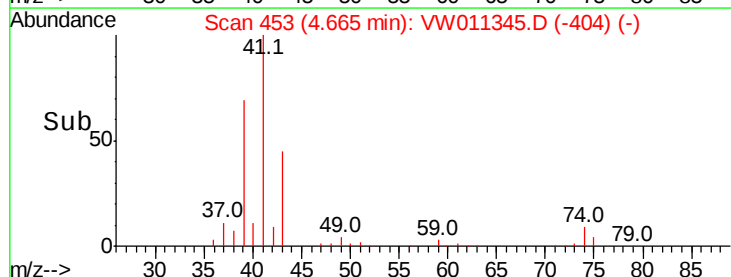
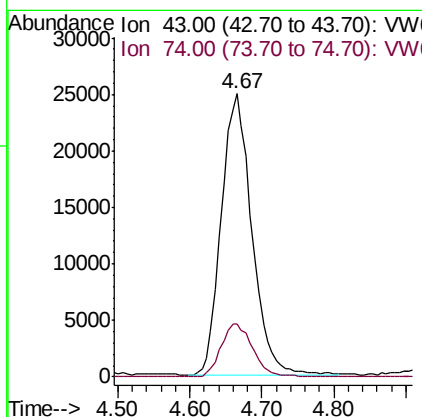
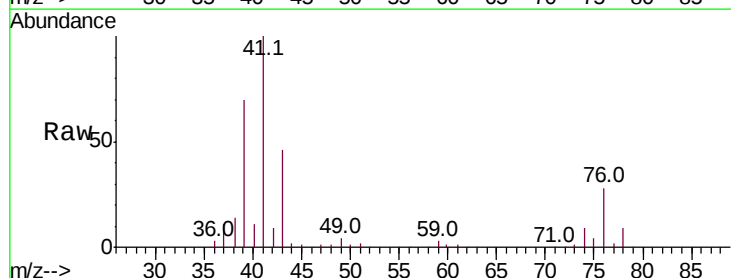
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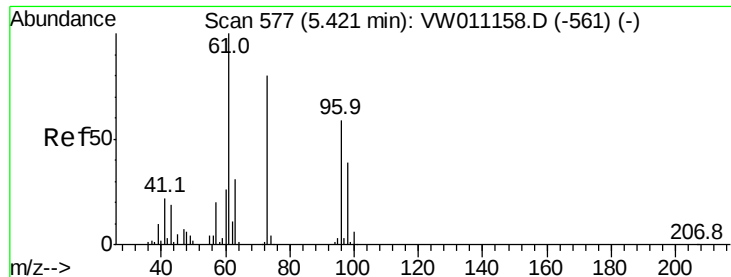
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#18
Methyl Acetate
Concen: 44.669 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW011345.D
Acq: 18 Jul 2019 20:14

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.5	15.7	23.5





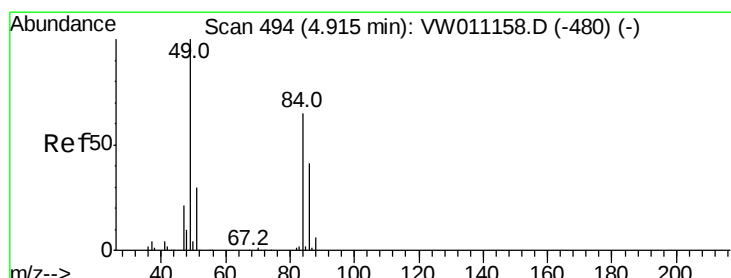
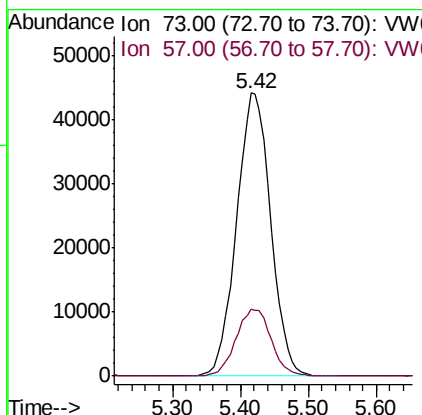
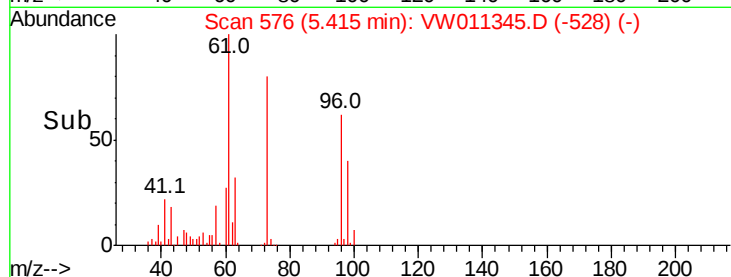
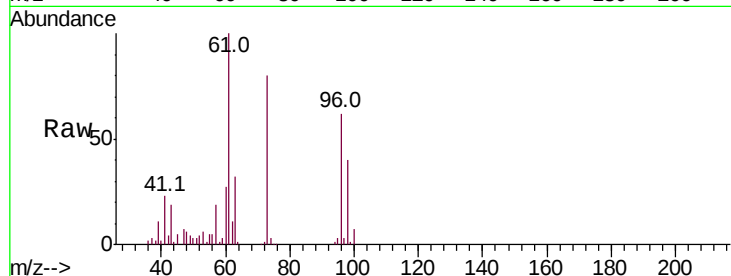
#19
Methvl tert-butvl Ether
Concen: 47.979 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW011345.D
Acq: 18 Jul 2019 20:14

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 153912
Ion Ratio Lower Upper
73 100
57 23.9 19.7 29.5

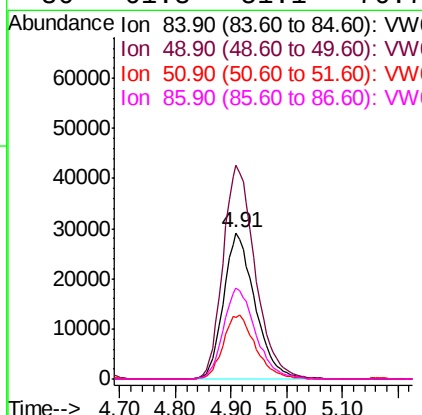
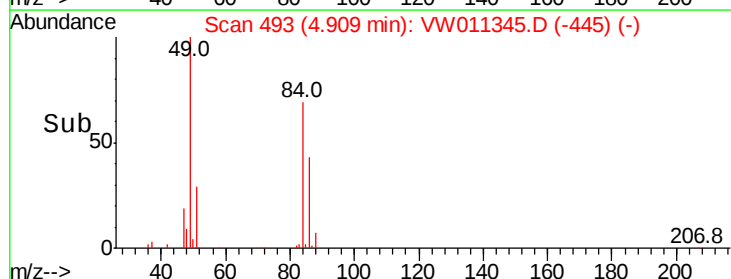
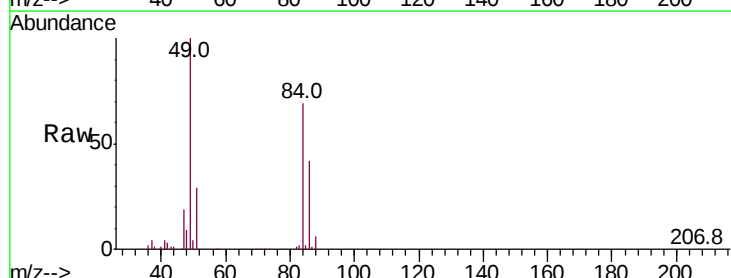
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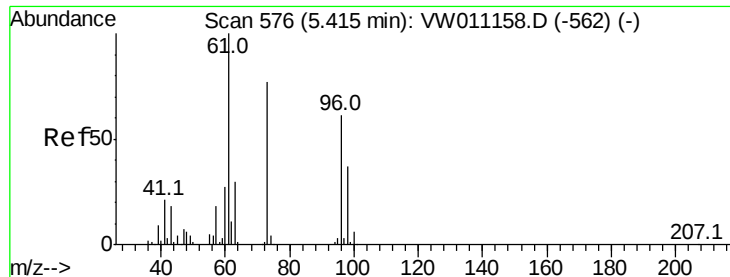
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#20
Methylene Chloride
Concen: 50.176 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW011345.D
Acq: 18 Jul 2019 20:14

Tgt Ion: 84 Resp: 113892
Ion Ratio Lower Upper
84 100
49 145.8 123.8 185.6
51 41.9 37.4 56.2
86 61.8 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 47.956 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.01 min

Lab File: VW011345.D

Acq: 18 Jul 2019 20:14

Instrument :

MSVOA_W

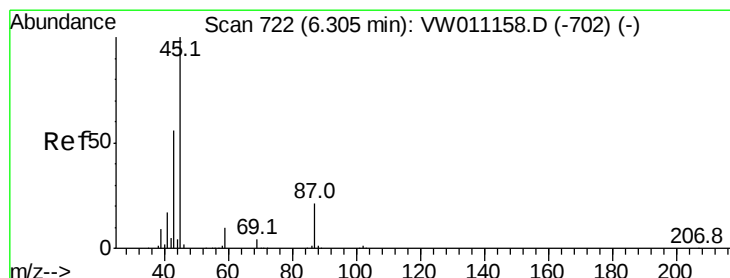
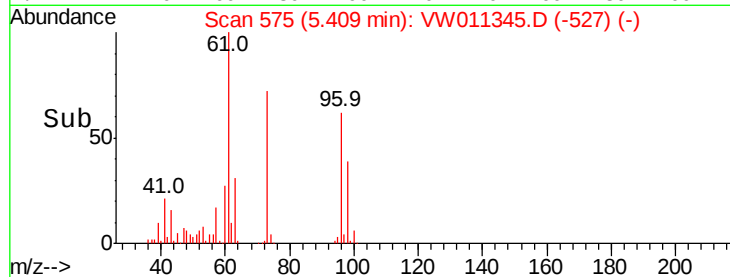
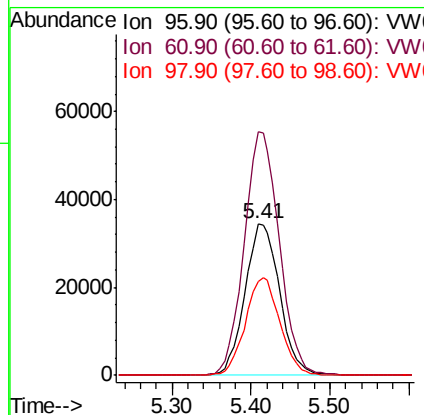
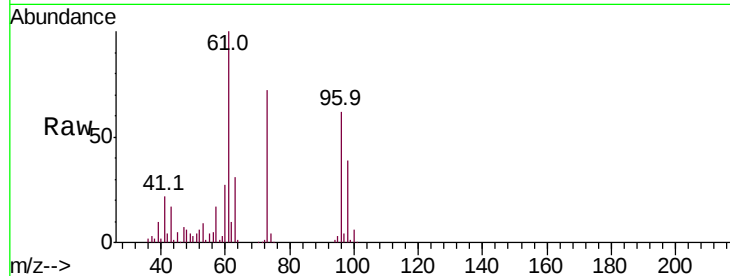
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	105351
Ion Ratio	Lower	Upper	
96	100		
61	160.4	132.2	198.2
98	62.0	49.4	74.0

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#22

Diisopropyl ether

Concen: 49.468 ug/l

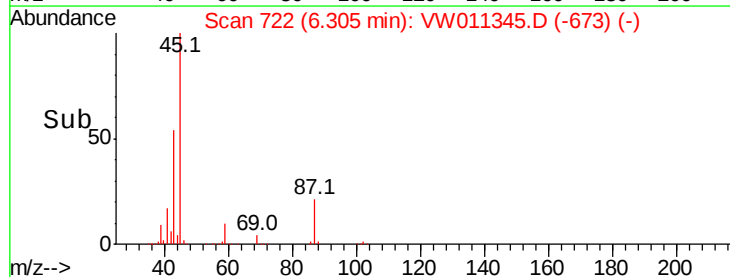
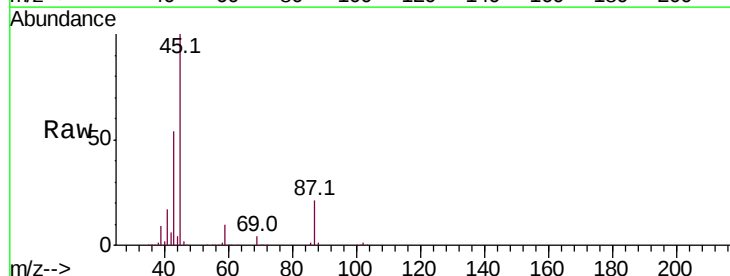
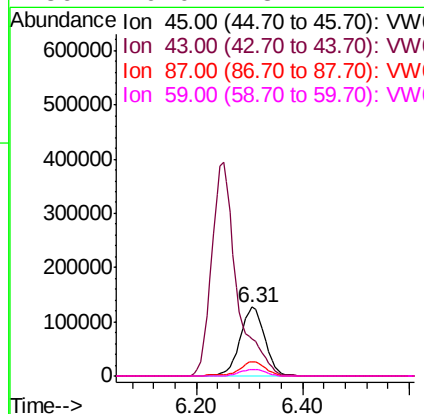
RT: 6.31 min Scan# 722

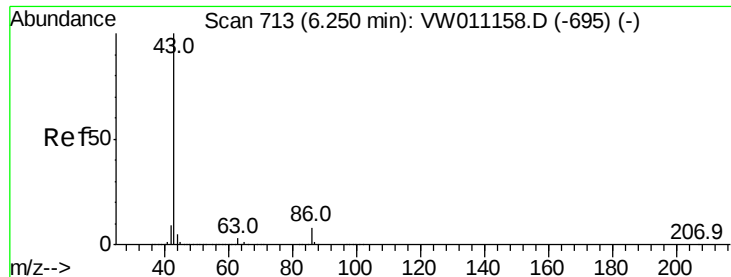
Delta R.T. 0.00 min

Lab File: VW011345.D

Acq: 18 Jul 2019 20:14

Tgt Ion:	45	Resp:	410189
Ion Ratio	Lower	Upper	
45	100		
43	53.6	44.6	66.8
87	20.7	17.3	25.9
59	10.0	8.2	12.2





#23

Vinyl Acetate

Concen: 250.369 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW011345.D

Acq: 18 Jul 2019 20:14

Tot Ion: 43 Resp: 1284813

Ion Ratio Lower Upper

43 100

86 8.3 6.5 9.7

Instrument :

MSVOA_W

ClientSampleId :

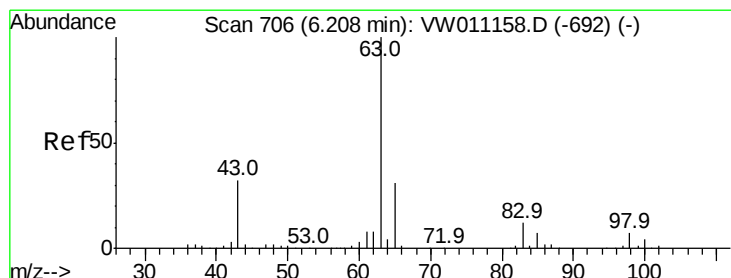
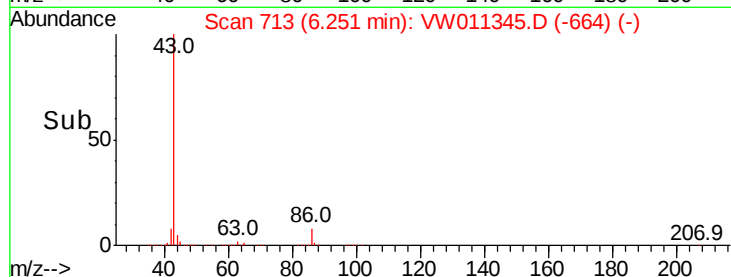
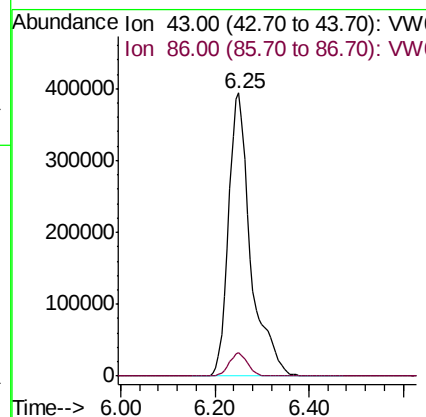
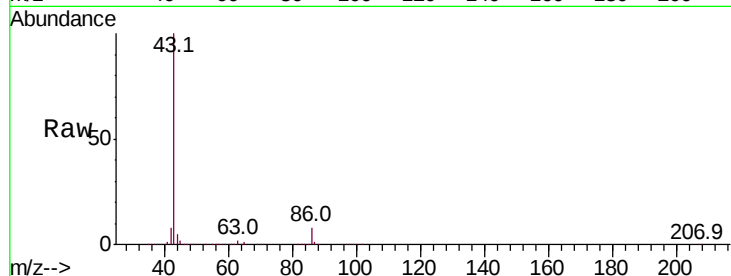
VSTDCCC050EC

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#24

1,1-Dichloroethane

Concen: 48.655 ug/l

RT: 6.21 min Scan# 706

Delta R.T. 0.00 min

Lab File: VW011345.D

Acq: 18 Jul 2019 20:14

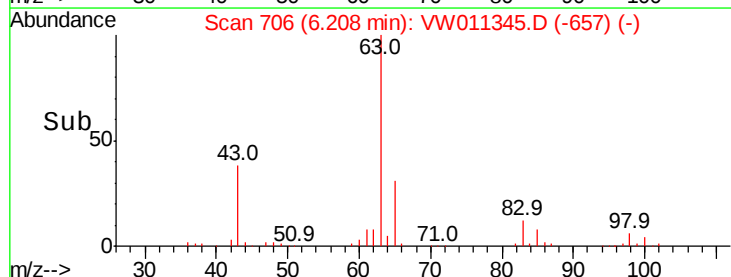
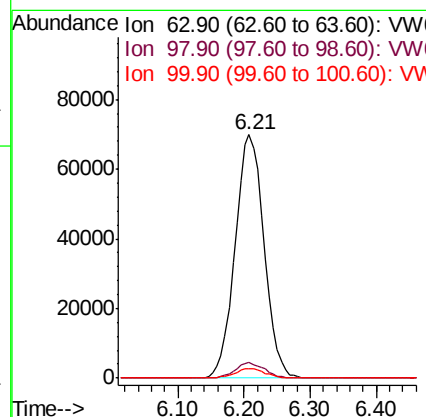
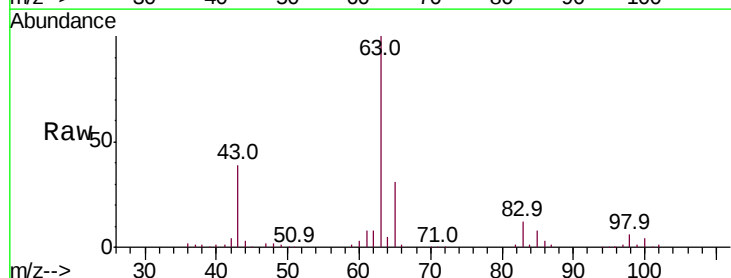
Tgt Ion: 63 Resp: 211858

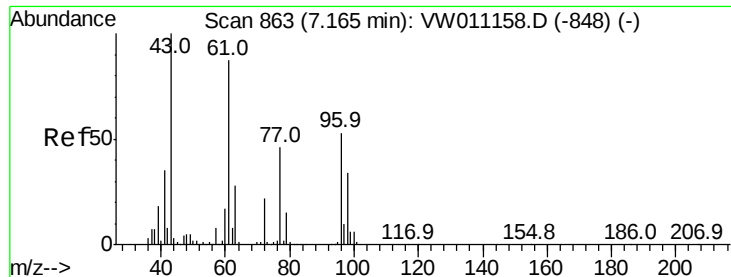
Ion Ratio Lower Upper

63 100

98 6.3 3.3 9.9

100 3.8 2.1 6.2





#25

2-Butanone

Concen: 249.955 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW011345.D

Acq: 18 Jul 2019 20:14

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 225760

Ion Ratio Lower Upper

43 100

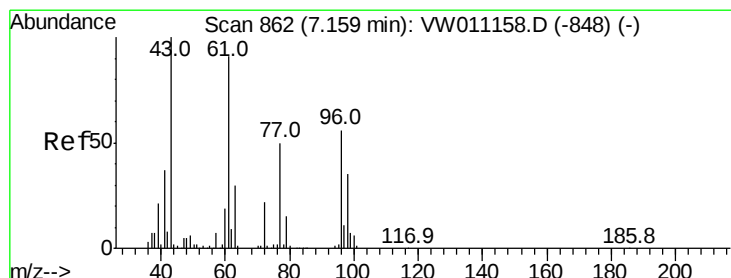
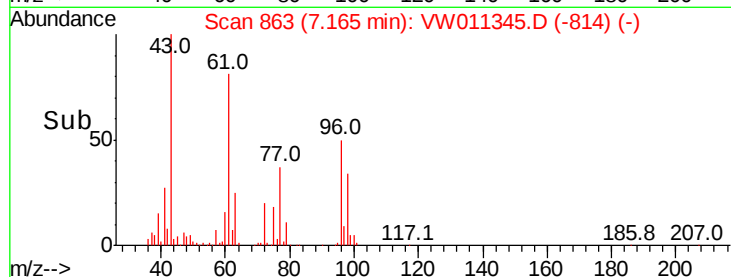
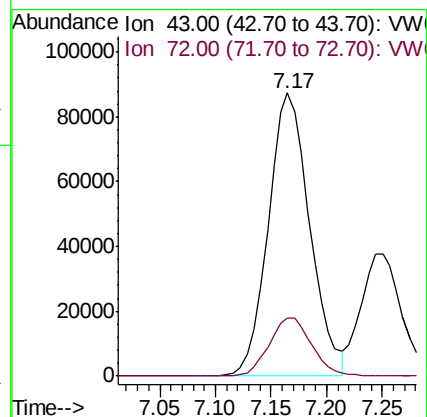
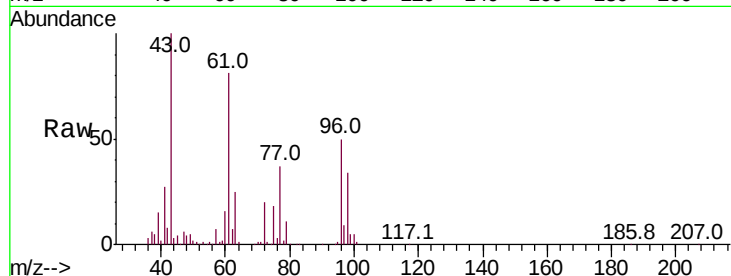
72 20.3 17.6 26.4

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#26

2,2-Dichloropropane

Concen: 43.028 ug/l

RT: 7.16 min Scan# 862

Delta R.T. 0.00 min

Lab File: VW011345.D

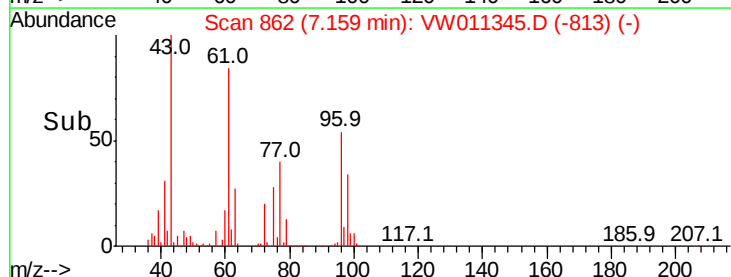
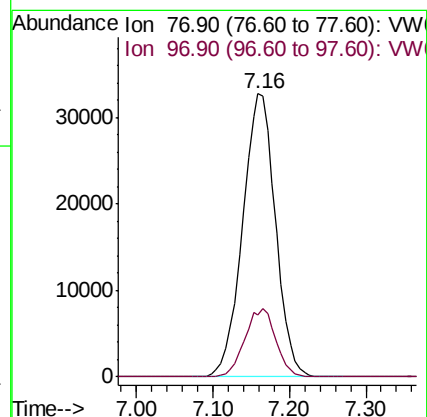
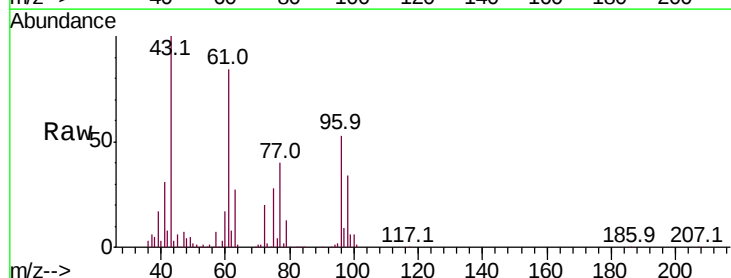
Acq: 18 Jul 2019 20:14

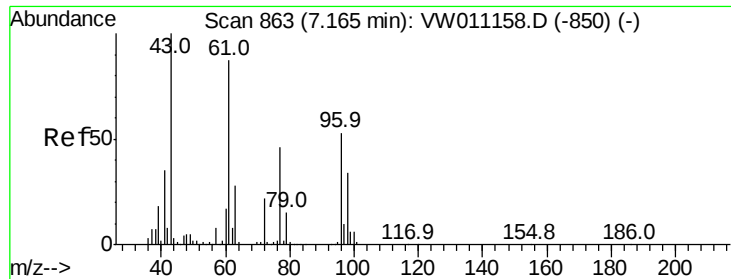
Tgt Ion: 77 Resp: 97389

Ion Ratio Lower Upper

77 100

97 22.9 11.2 33.5





#27

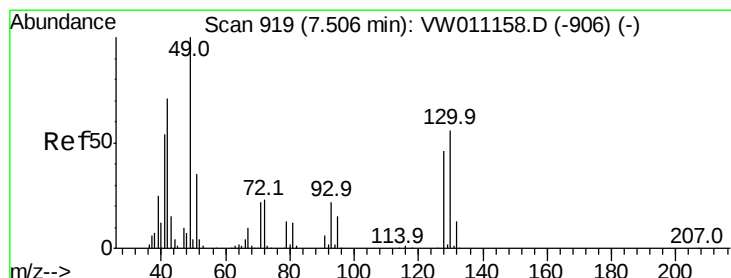
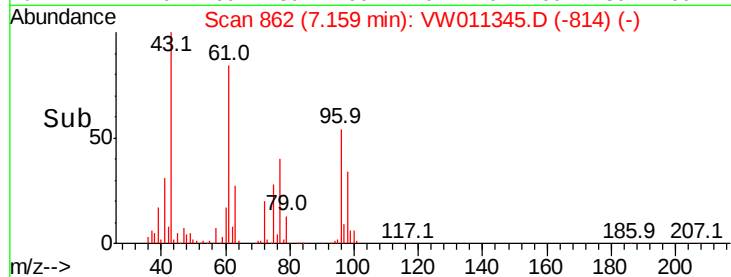
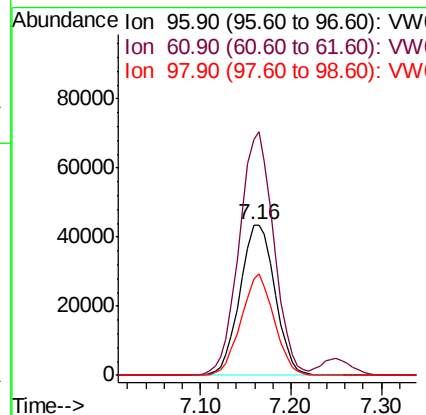
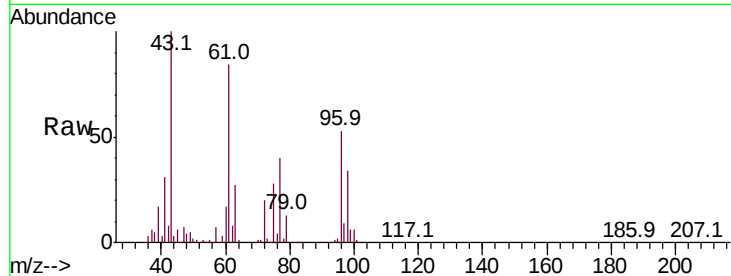
cis-1,2-Dichloroethene
Concen: 49.301 ug/l
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW011345.D
Acq: 18 Jul 2019 20:14

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	116832		
61	160.1	0.0	325.6	
98	63.5	0.0	128.2	

Manual Integrations
APPROVED

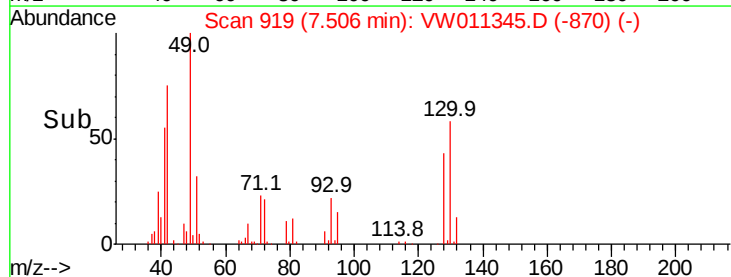
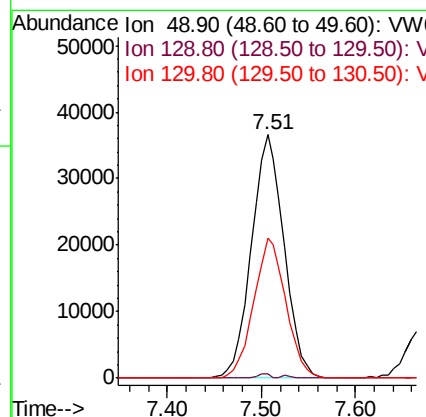
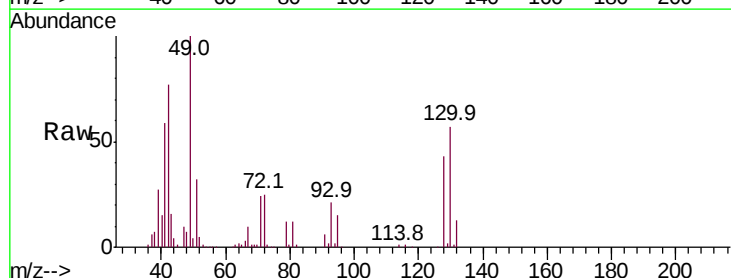
MMDadoda
7/19/2019 9:51:10 AM

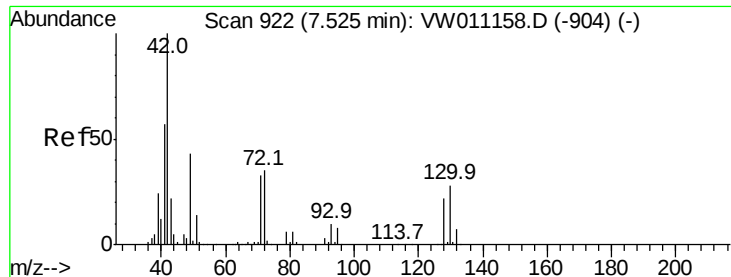


#28

Bromochloromethane
Concen: 44.698 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW011345.D
Acq: 18 Jul 2019 20:14

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	88496		
129	0.7	0.0	1.4	
130	56.7	45.8	68.8	





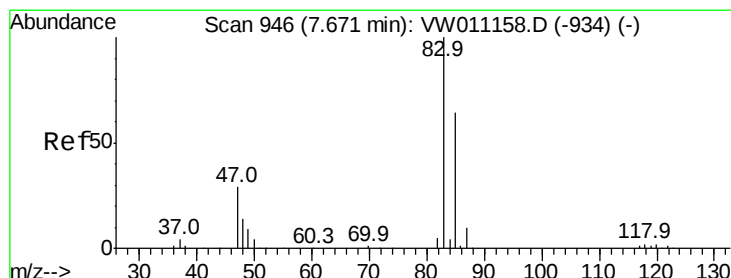
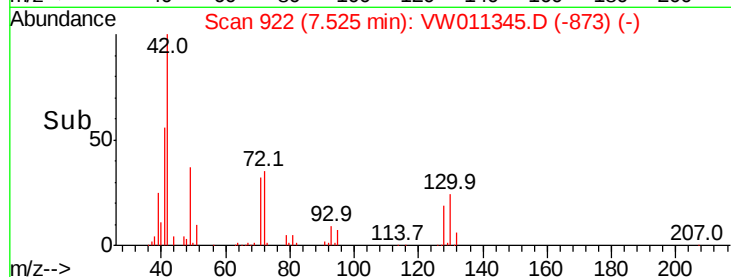
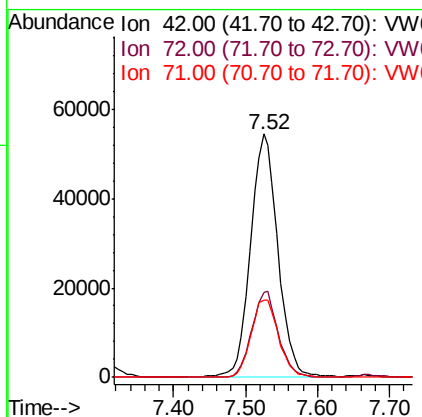
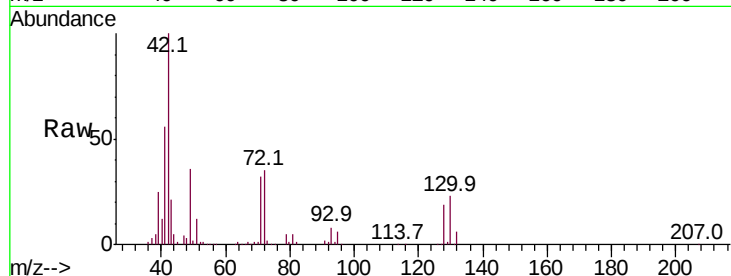
#29
Tetrahydrofuran
Concen: 240.915 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.00 min
Lab File: VW011345.D
Acq: 18 Jul 2019 20:14

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.4	27.4	41.2
71	32.4	25.9	38.9

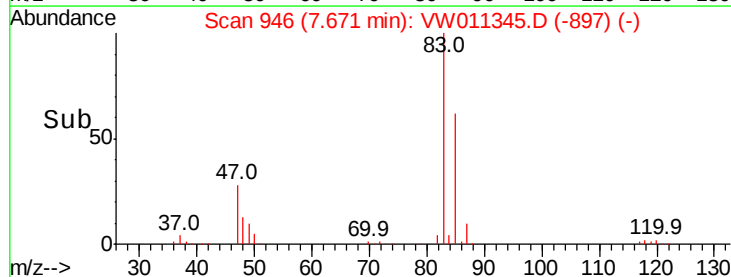
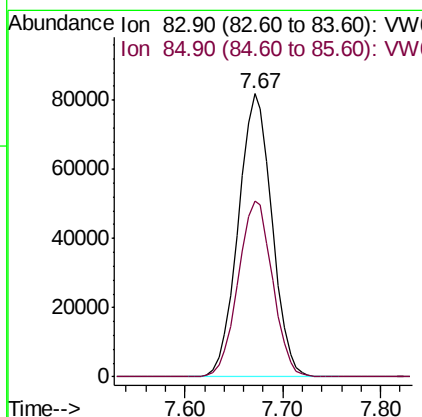
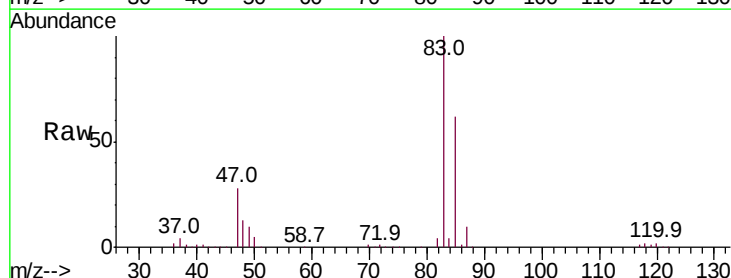
Manual Integrations
APPROVED

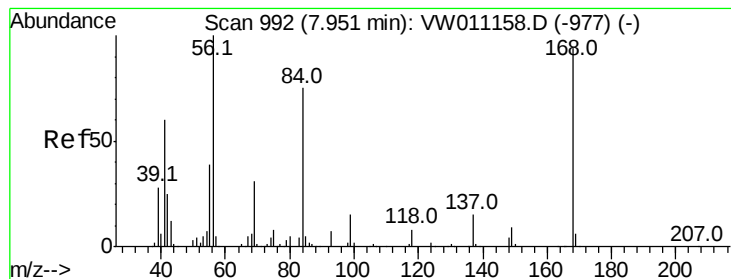
MMDadoda
7/19/2019 9:51:10 AM



#30
Chloroform
Concen: 48.363 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW011345.D
Acq: 18 Jul 2019 20:14

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.2	51.4	77.2





#31

Cyclohexane

Concen: 44.884 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW011345.D

Acq: 18 Jul 2019 20:14

Instrument :

MSVOA_W

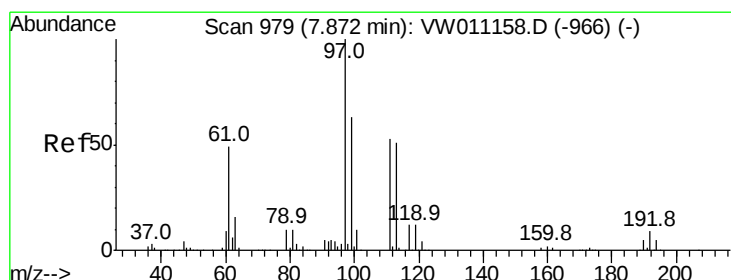
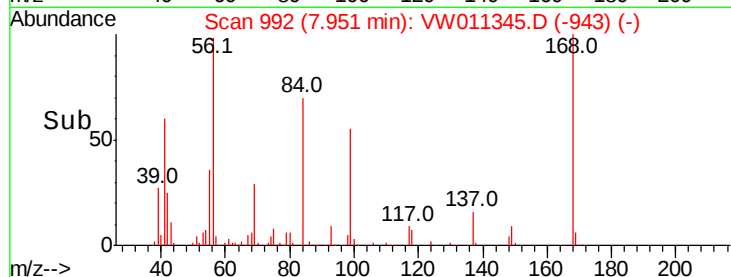
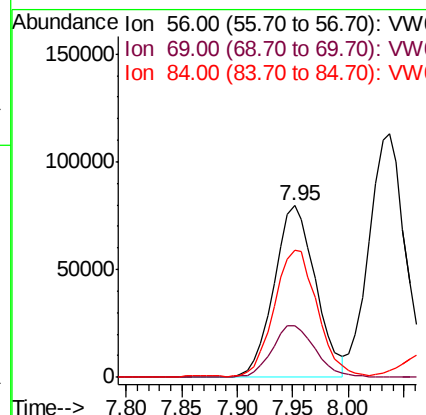
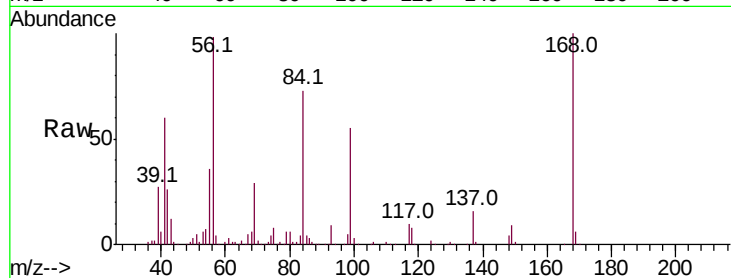
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	207917
Ion Ratio	Lower	Upper	
56	100		
69	29.8	24.6	36.8
84	72.6	60.1	90.1

Manual Integrations
APPROVED

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7/19/2019 9:51:10 AM



#32

1,1,1-Trichloroethane

Concen: 46.645 ug/l

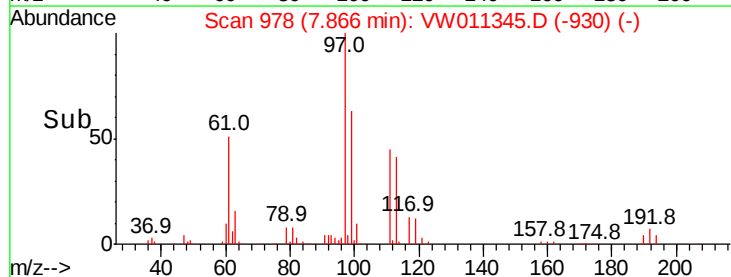
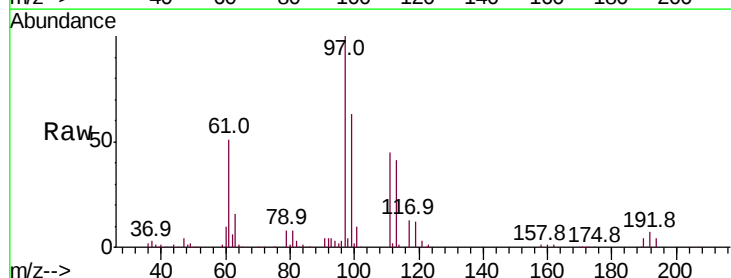
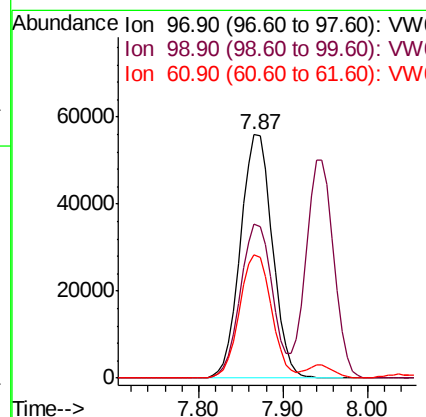
RT: 7.87 min Scan# 978

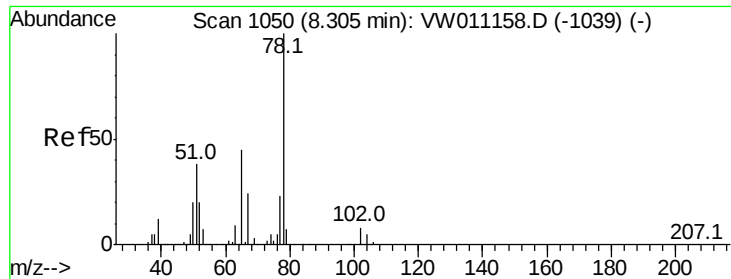
Delta R.T. -0.01 min

Lab File: VW011345.D

Acq: 18 Jul 2019 20:14

Tgt Ion:	97	Resp:	143082
Ion Ratio	Lower	Upper	
97	100		
99	64.5	51.0	76.4
61	50.8	40.4	60.6





#33

1,2-Dichloroethane-d4

Concen: 45.022 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW011345.D

Acq: 18 Jul 2019 20:14

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 107664

Ion Ratio Lower Upper

65 100

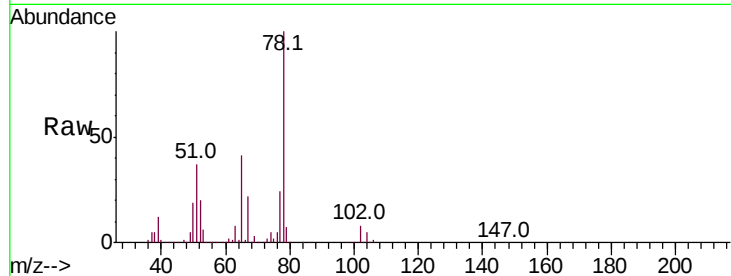
67 51.9 0.0 104.4

Manual Integrations

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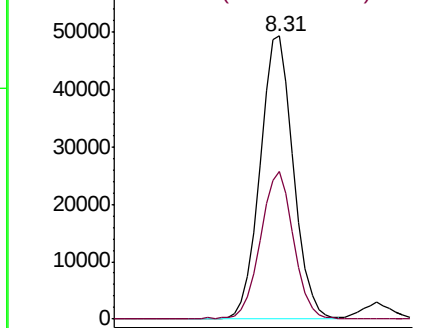
MMDadoda

7/19/2019 9:51:10 AM

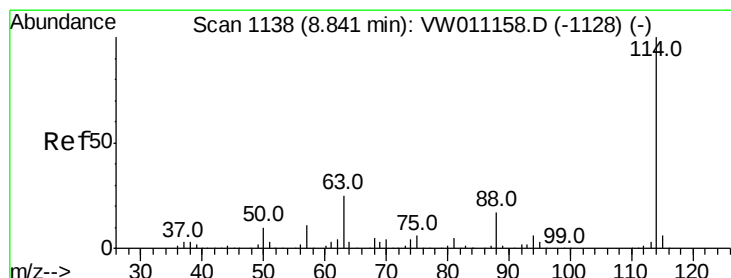
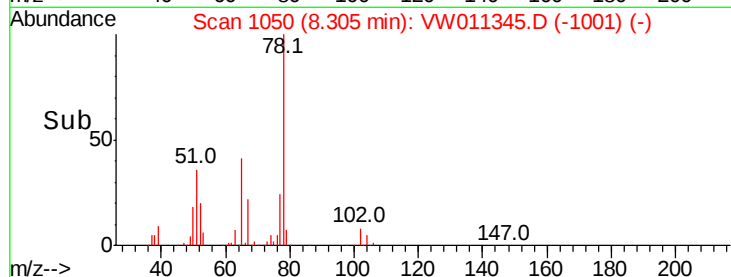


Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW011345.D

Acq: 18 Jul 2019 20:14

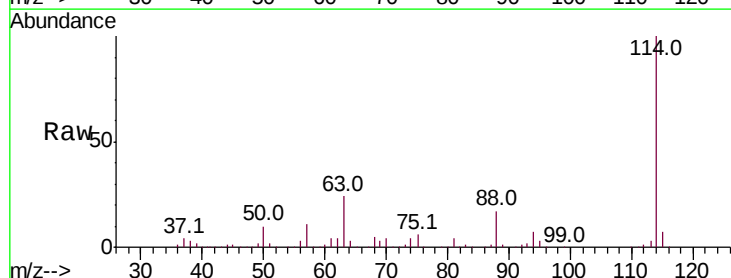
Tgt Ion: 114 Resp: 314267

Ion Ratio Lower Upper

114 100

63 24.3 0.0 50.8

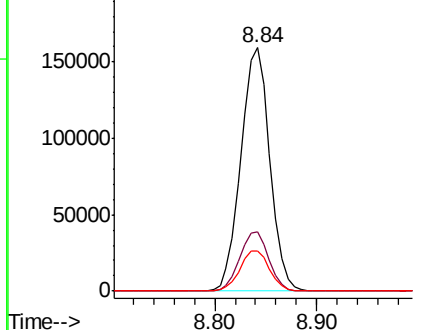
88 16.5 0.0 34.2



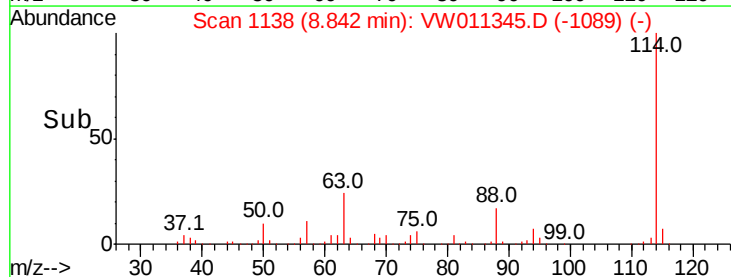
Abundance Ion 113.90 (113.60 to 114.60): V

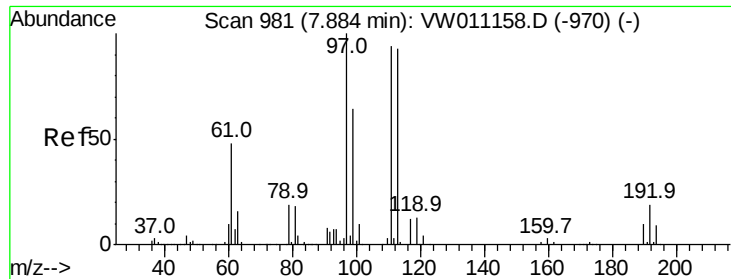
Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW



Time-->





#35

Dibromofluoromethane

Concen: 46.108 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW011345.D

Acq: 18 Jul 2019 20:14

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:113 Resp: 86368

Ion Ratio Lower Upper

113 100

111 105.1 82.4 123.6

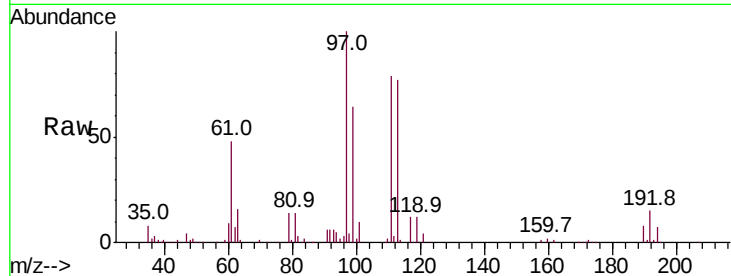
192 20.3 15.8 23.8

Manual Integrations

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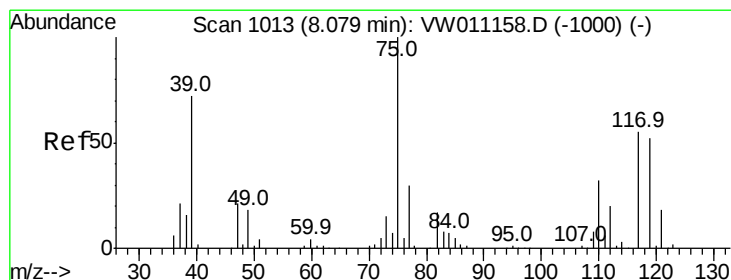
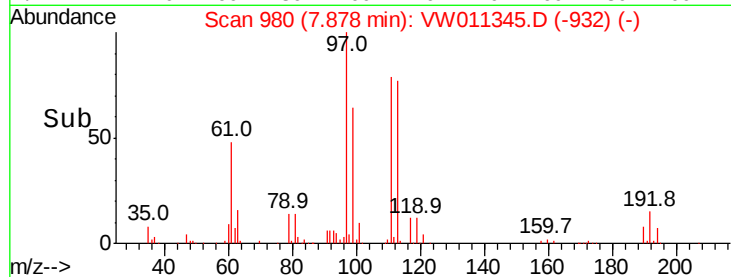
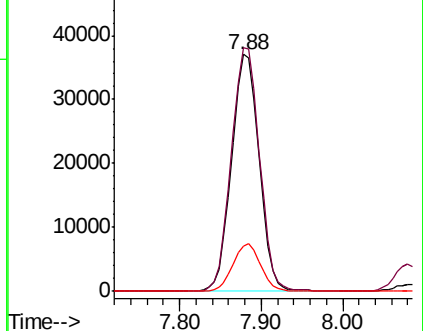
7/19/2019 9:51:10 AM



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 47.274 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VW011345.D

Acq: 18 Jul 2019 20:14

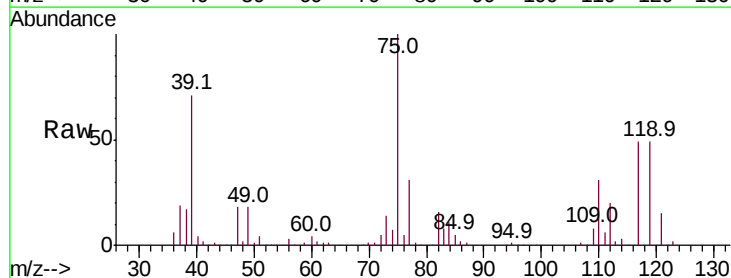
Tgt Ion: 75 Resp: 158210

Ion Ratio Lower Upper

75 100

110 31.4 15.9 47.6

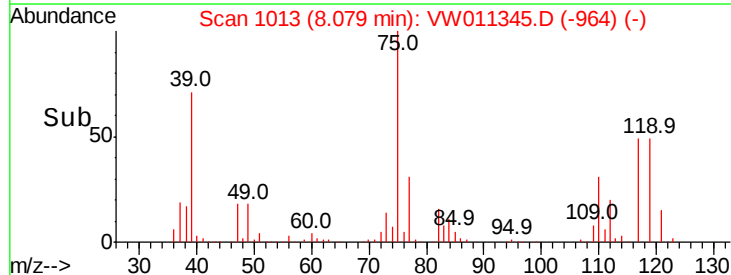
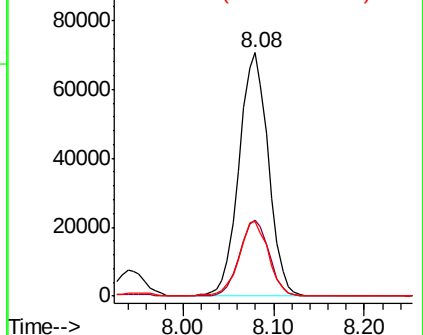
77 31.0 24.6 36.8

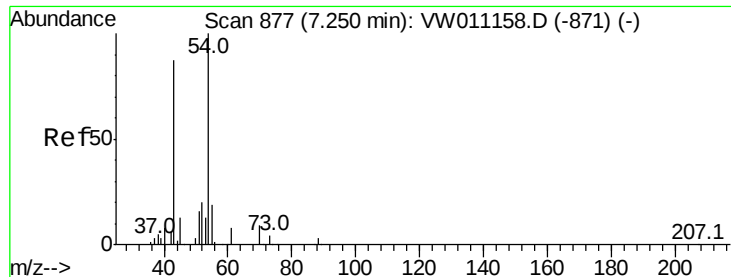


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





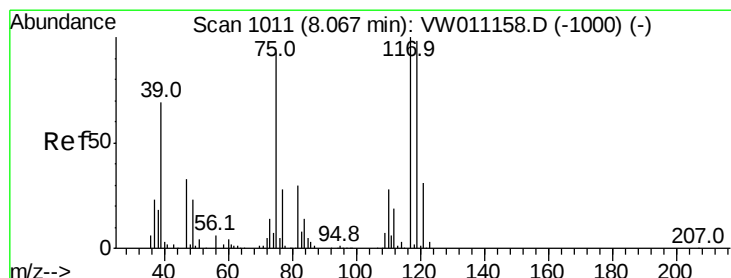
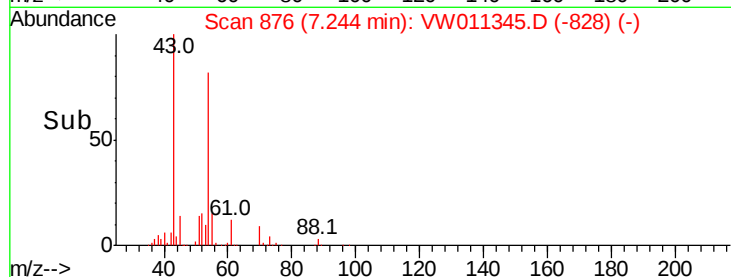
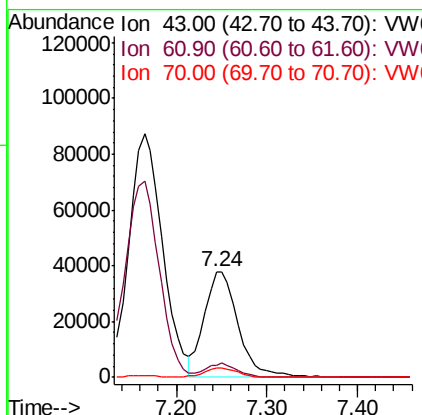
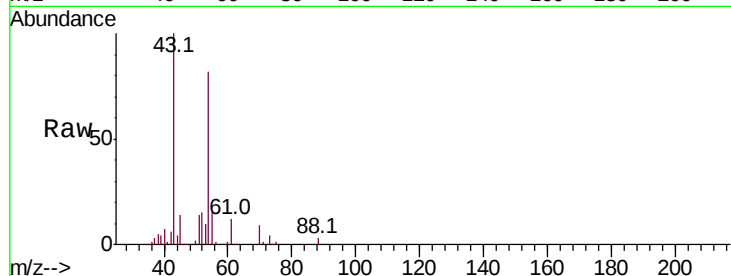
#37
Ethyl Acetate
Concen: 48.511 ug/l
RT: 7.24 min Scan# 876
Delta R.T. -0.01 min
Lab File: VW011345.D
Acq: 18 Jul 2019 20:14

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.0	9.5	14.3
70	8.9	7.1	10.7

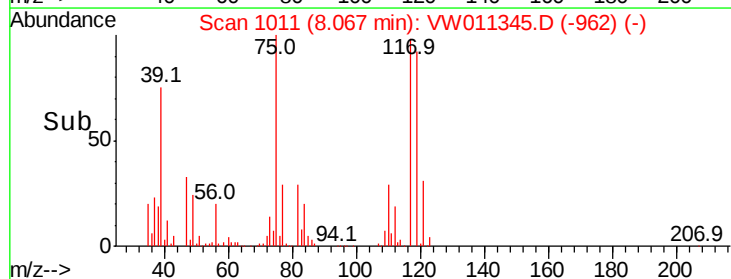
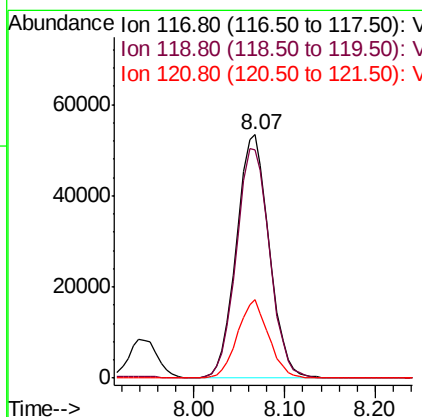
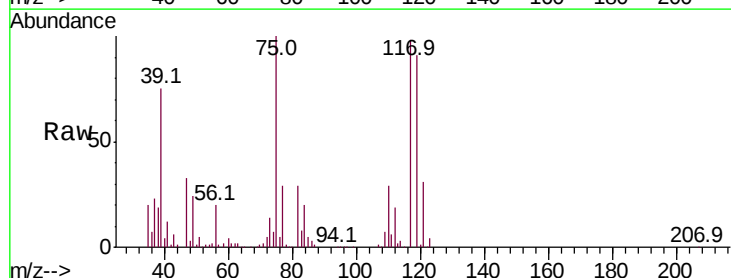
Manual Integrations
APPROVED

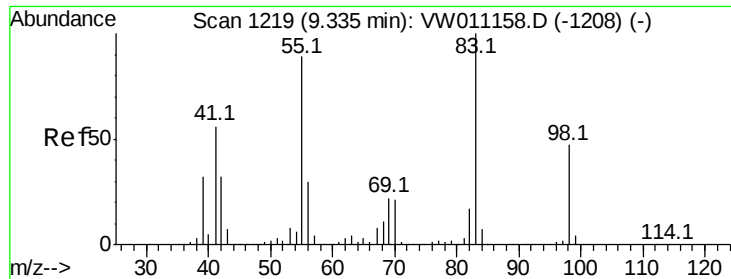
MMDadoda
7/19/2019 9:51:10 AM



#38
Carbon Tetrachloride
Concen: 47.222 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW011345.D
Acq: 18 Jul 2019 20:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.8	78.1	117.1
121	32.0	25.1	37.7





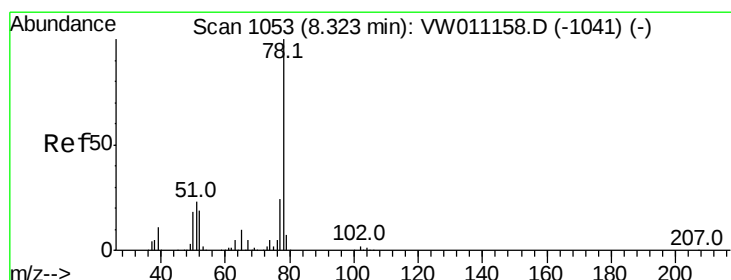
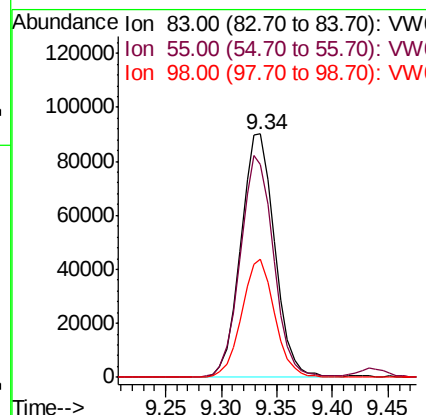
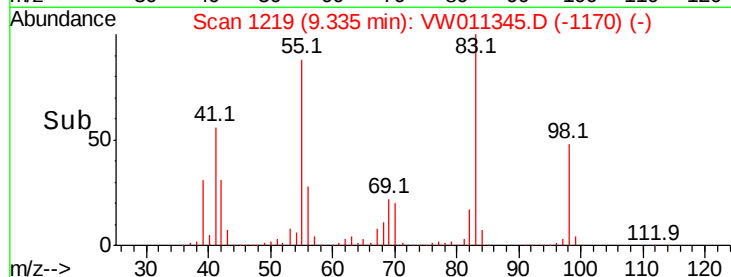
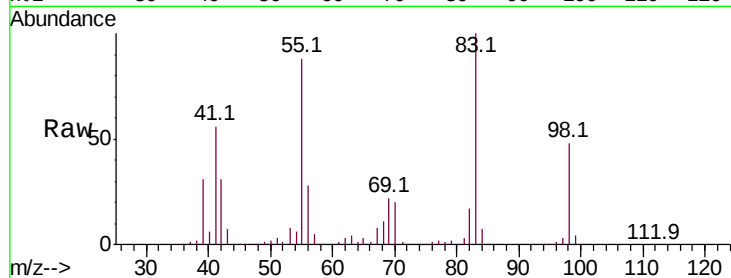
#39
Methvlcvclohexane
Concen: 47.031 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW011345.D
Acq: 18 Jul 2019 20:14

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	87.5	71.2	106.8
98	48.3	37.5	56.3

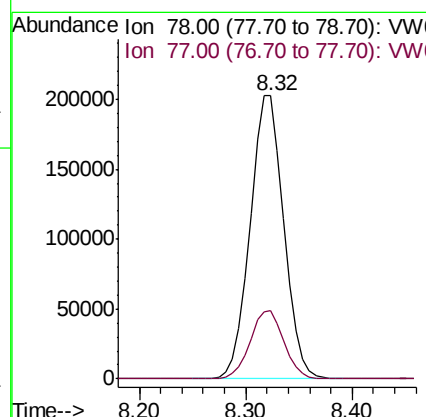
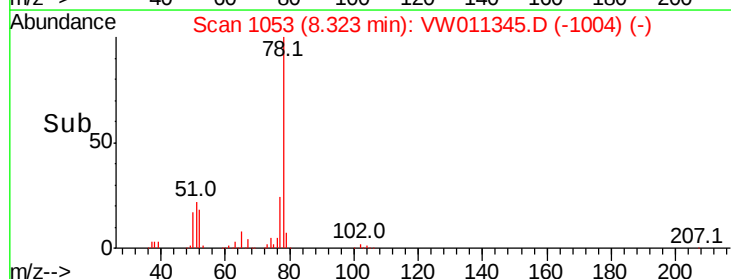
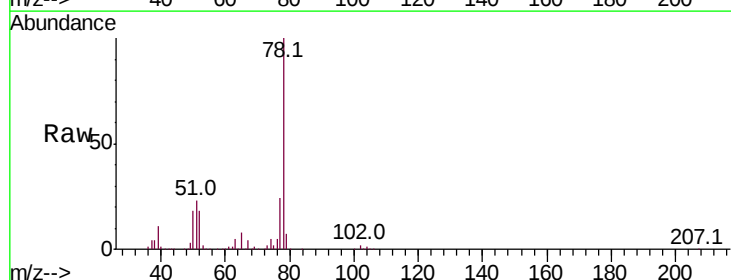
Manual Integrations
APPROVED

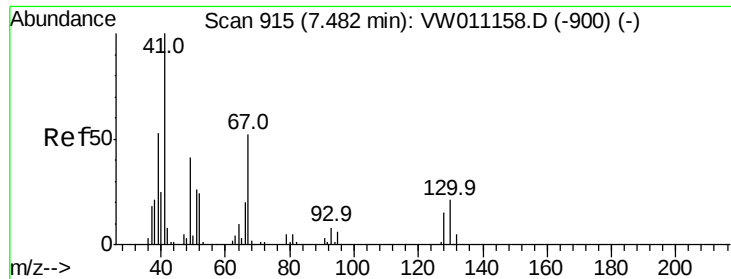
MMDadoda
7/19/2019 9:51:10 AM



#40
Benzene
Concen: 48.616 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW011345.D
Acq: 18 Jul 2019 20:14

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.0	28.6





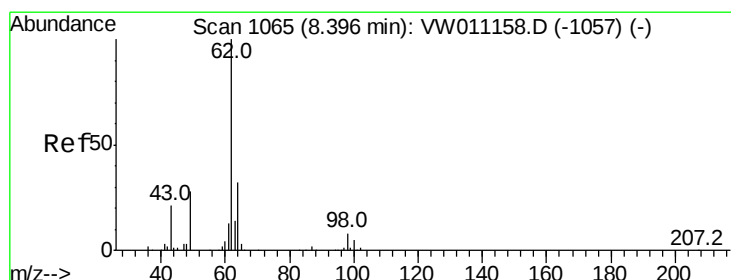
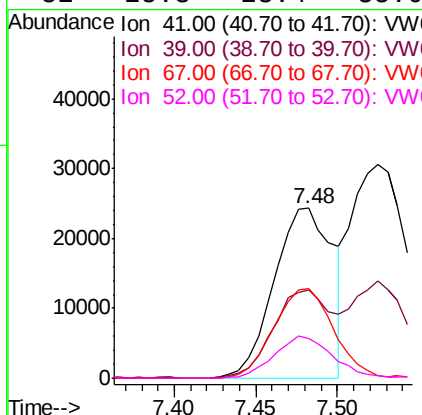
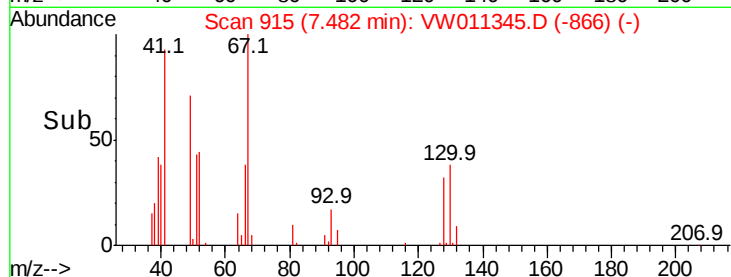
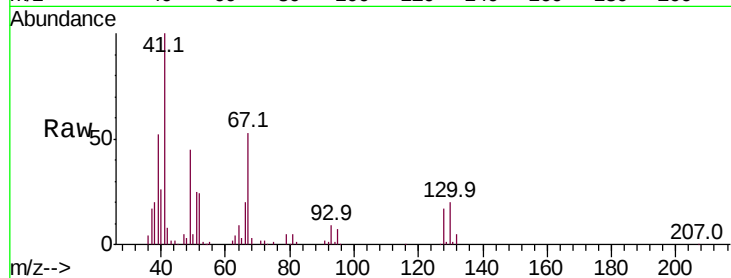
#41
Methacrylonitrile
Concen: 53.052 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW011345.D
Acq: 18 Jul 2019 20:14

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	51.3	48.0	72.0
67	54.1	49.7	74.5
52	25.3	23.4	35.0

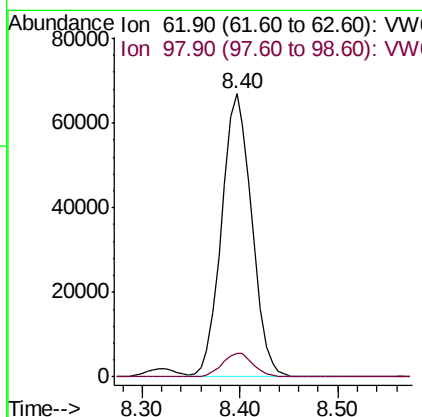
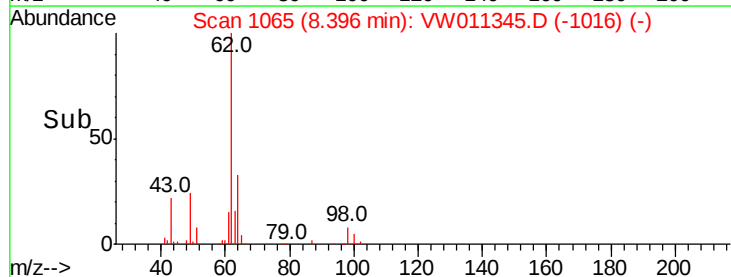
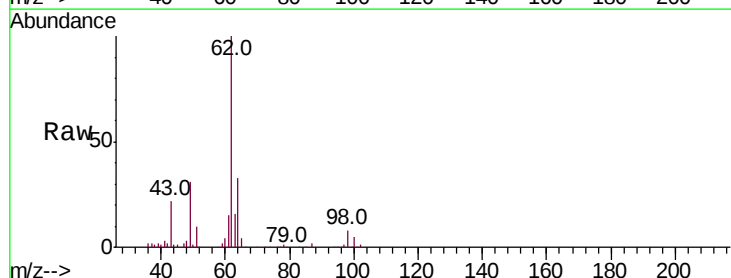
Manual Integrations
APPROVED

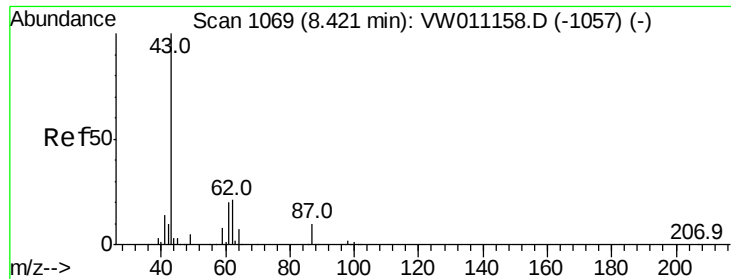
MMDadoda
7/19/2019 9:51:10 AM



#42
1,2-Dichloroethane
Concen: 47.764 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW011345.D
Acq: 18 Jul 2019 20:14

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	16.8





#43

Isopropyl Acetate

Concen: 48.064 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW011345.D

Acq: 18 Jul 2019 20:14

Instrument :

MSVOA_W

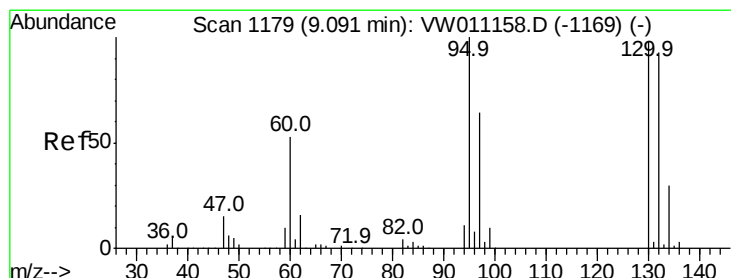
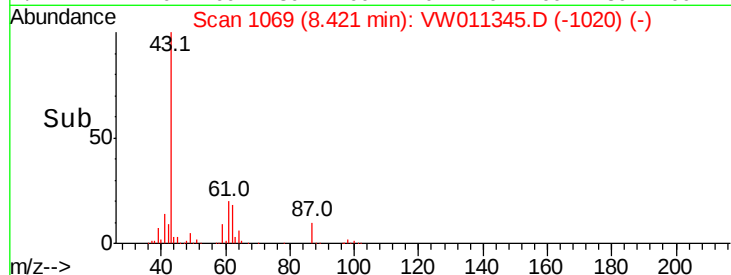
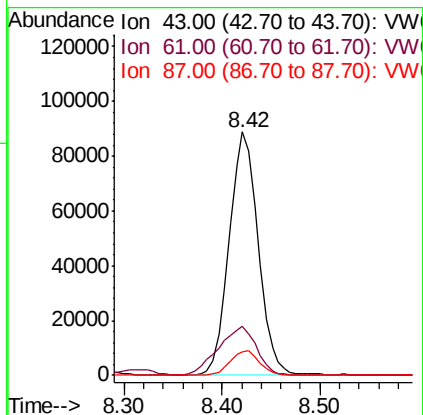
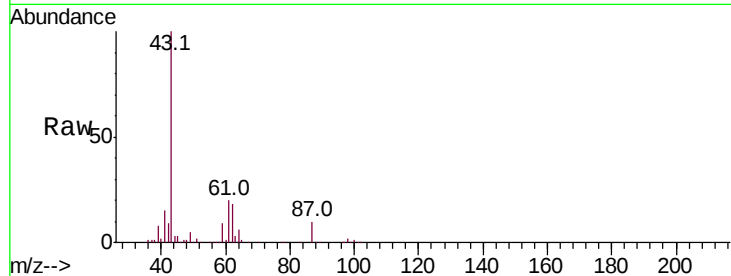
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	182464
Ion	Ratio	Lower	Upper
43	100		
61	26.7	20.7	31.1
87	10.3	8.1	12.1

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#44

Trichloroethene

Concen: 47.991 ug/l

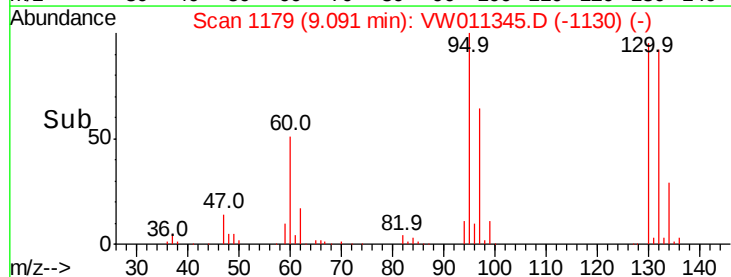
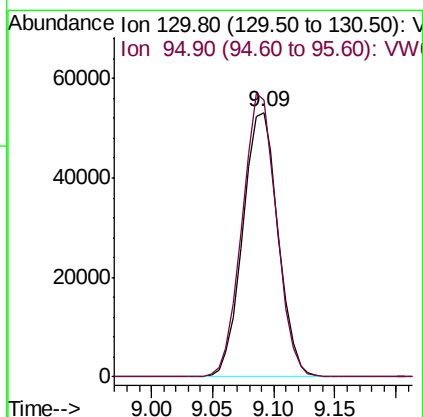
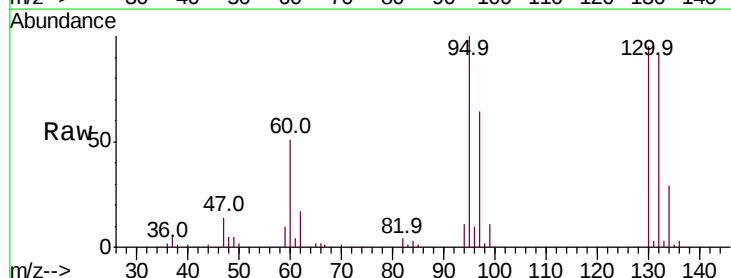
RT: 9.09 min Scan# 1179

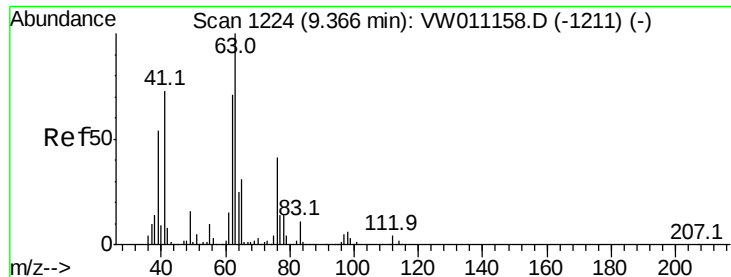
Delta R.T. 0.00 min

Lab File: VW011345.D

Acq: 18 Jul 2019 20:14

Tgt Ion:	130	Resp:	106812
Ion	Ratio	Lower	Upper
130	100		
95	104.8	0.0	203.6





#45

1,2-Dichloropropane

Concen: 48.997 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW011345.D

Acq: 18 Jul 2019 20:14

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 122716

Ion Ratio Lower Upper

63 100

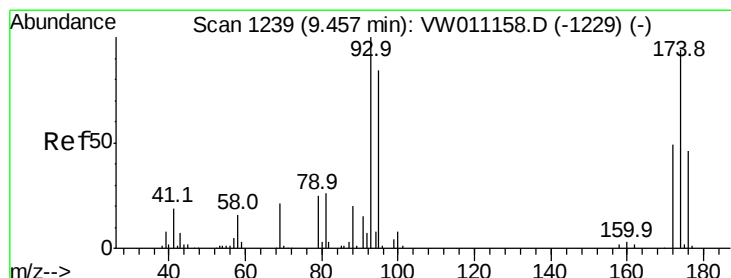
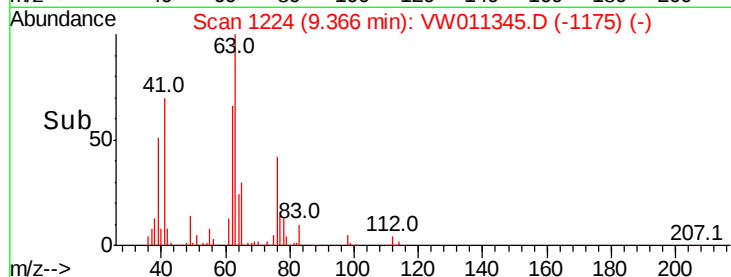
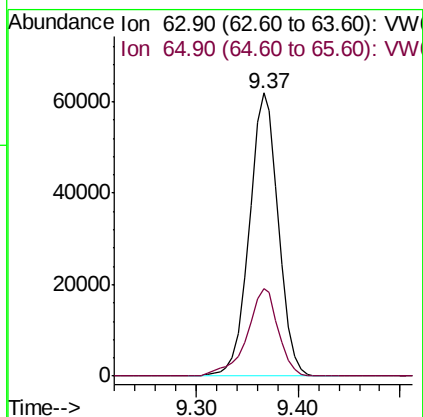
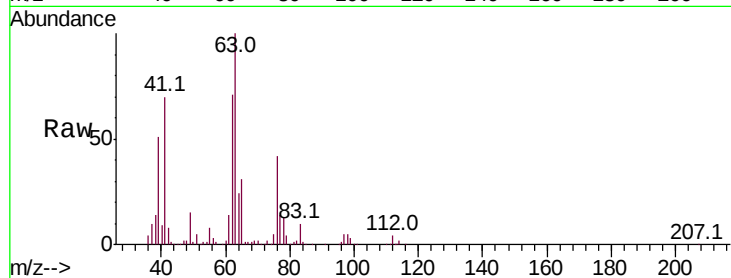
65 31.0 24.4 36.6

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#46

Dibromomethane

Concen: 48.108 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW011345.D

Acq: 18 Jul 2019 20:14

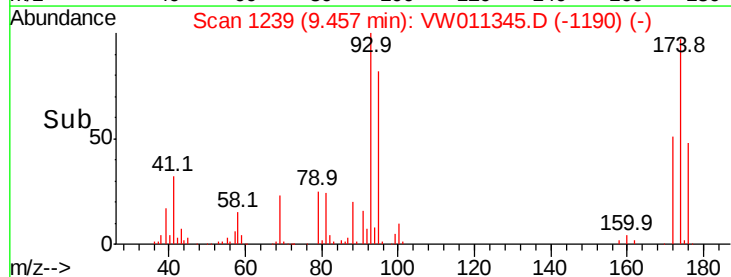
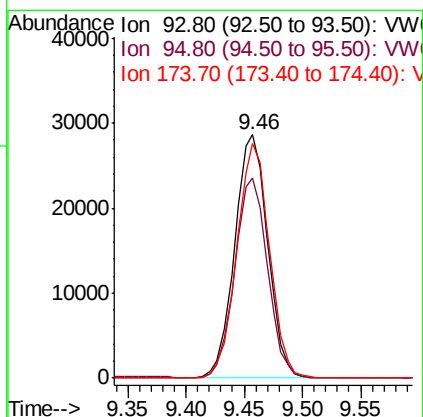
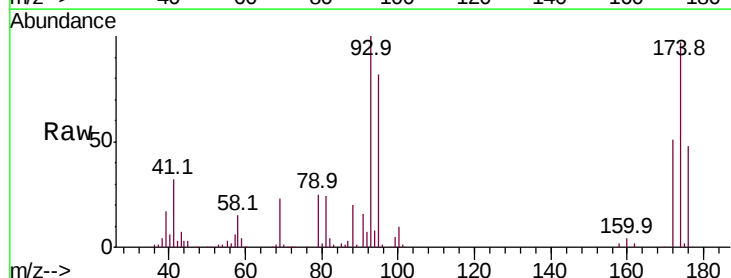
Tgt Ion: 93 Resp: 56600

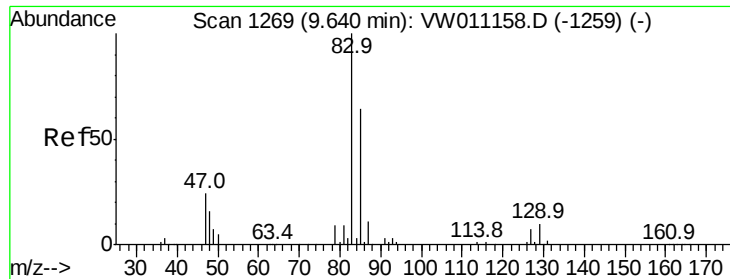
Ion Ratio Lower Upper

93 100

95 81.7 67.2 100.8

174 95.4 76.3 114.5





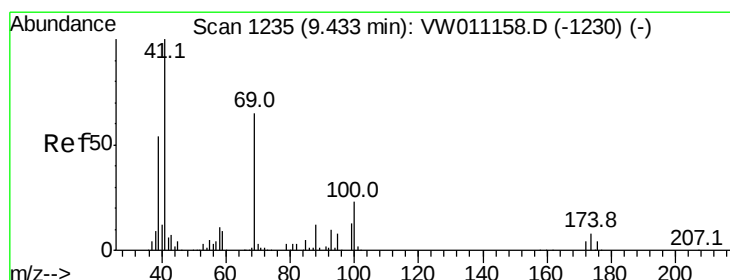
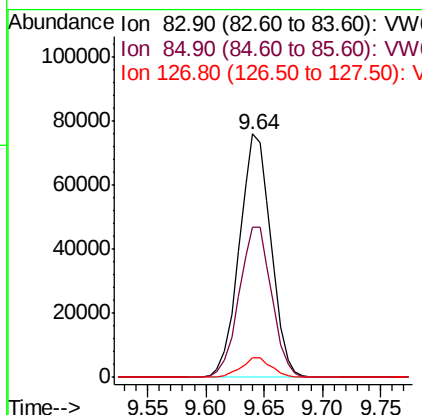
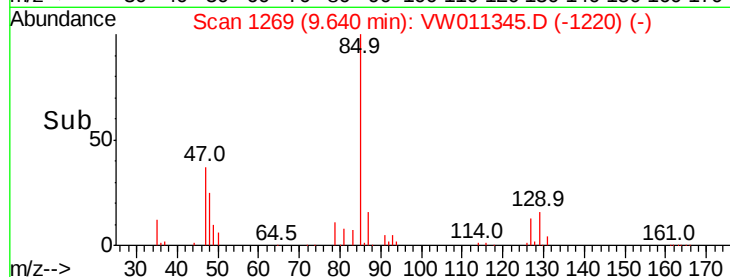
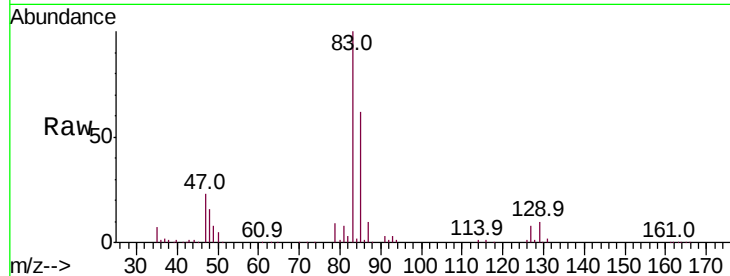
#47
Bromodichloromethane
Concen: 47.769 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VW011345.D
Acq: 18 Jul 2019 20:14

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
85	61.9	51.0	76.4
127	7.9	6.0	9.0

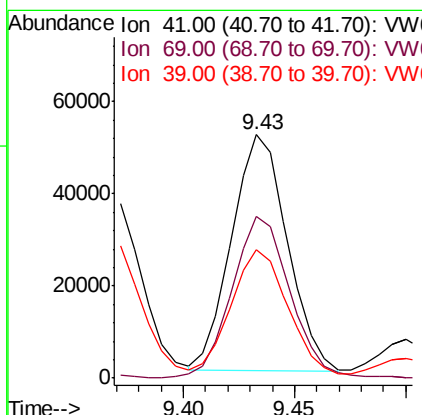
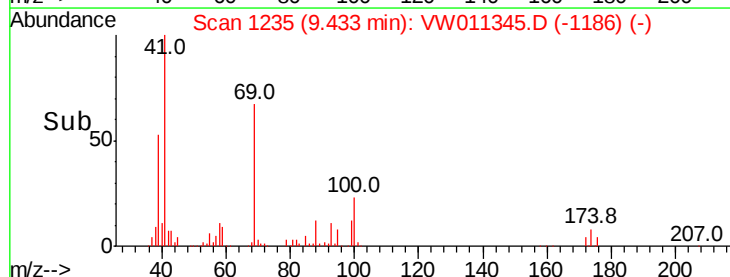
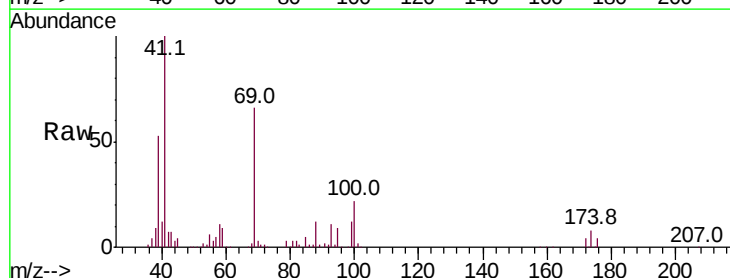
Manual Integrations
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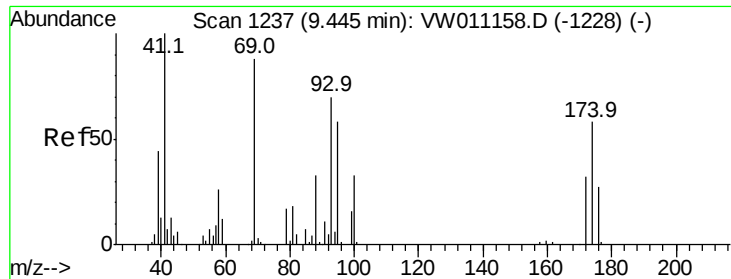
MMDadoda
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#48
Methyl methacrylate
Concen: 48.882 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW011345.D
Acq: 18 Jul 2019 20:14

Tgt Ion	Ratio	Lower	Upper
41	100		
69	71.7	56.0	84.0
39	52.7	43.5	65.3





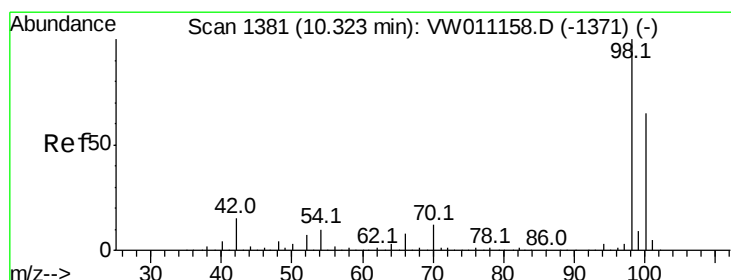
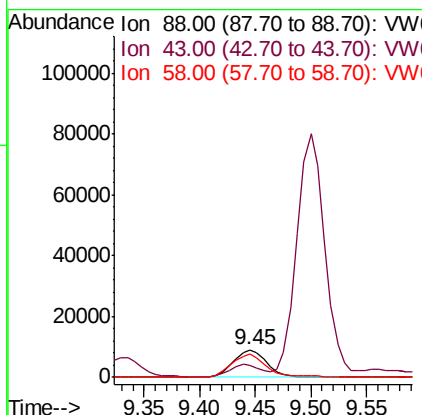
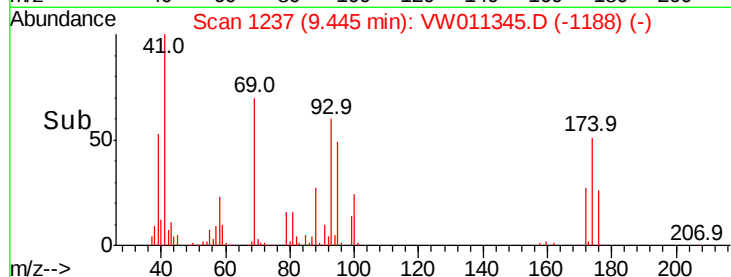
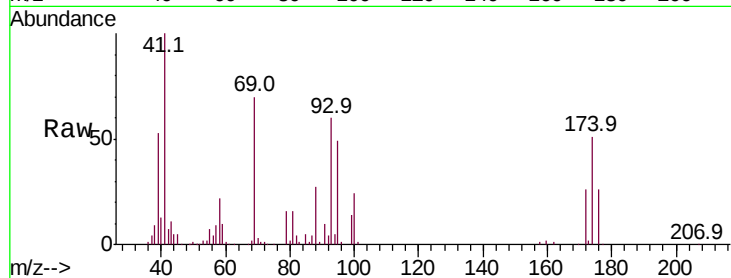
#49
1,4-Dioxane
Concen: 963.892 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VW011345.D
Acq: 18 Jul 2019 20:14

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	41.4	33.4	50.0
58	87.9	64.5	96.7

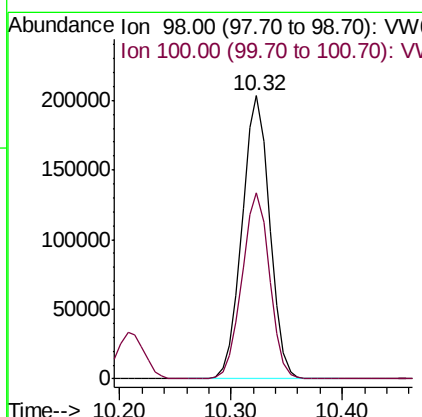
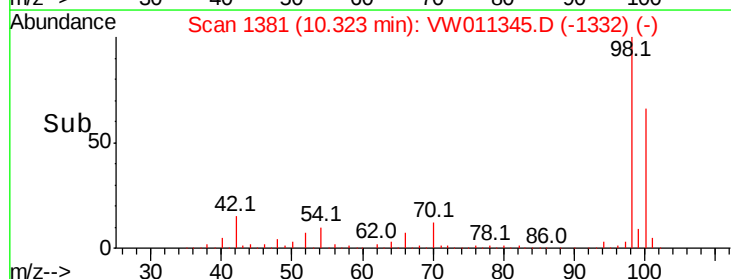
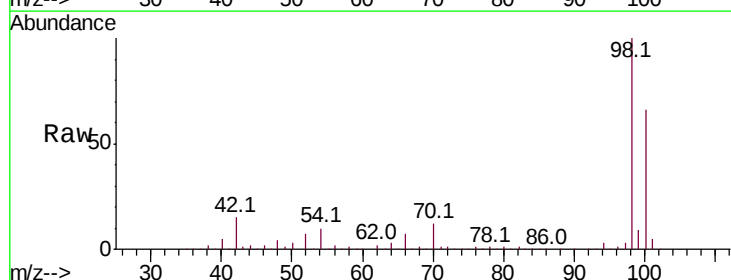
Manual Integrations
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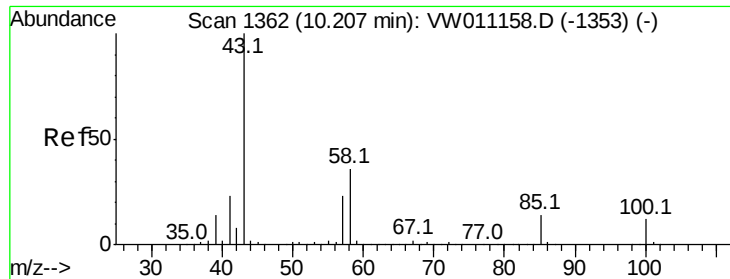
MMDadoda
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#50
Toluene-d8
Concen: 46.166 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW011345.D
Acq: 18 Jul 2019 20:14

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.4	78.6





#51

4-Methyl-2-Pentanone

Concen: 247.350 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW011345.D

Acq: 18 Jul 2019 20:14

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 490514

Ion Ratio Lower Upper

43 100

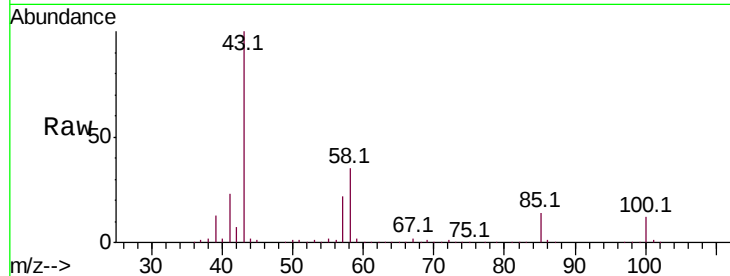
58 34.9 28.2 42.2

Manual Integrations

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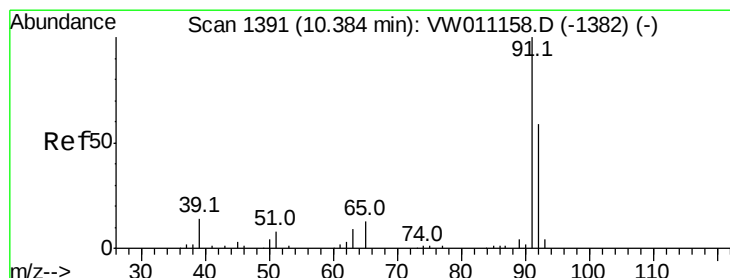
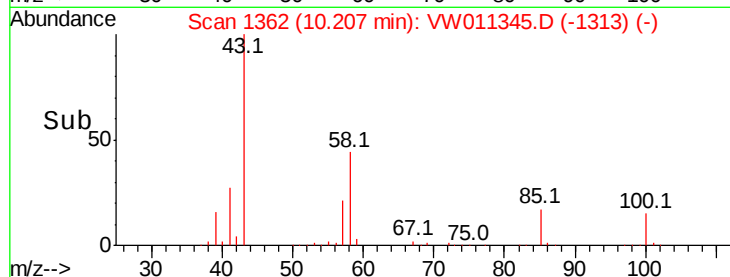
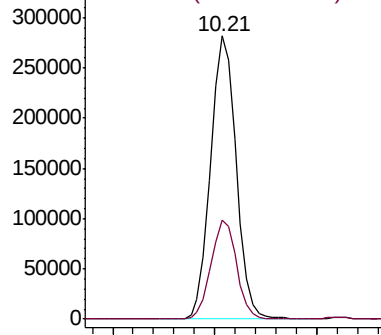
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 48.785 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW011345.D

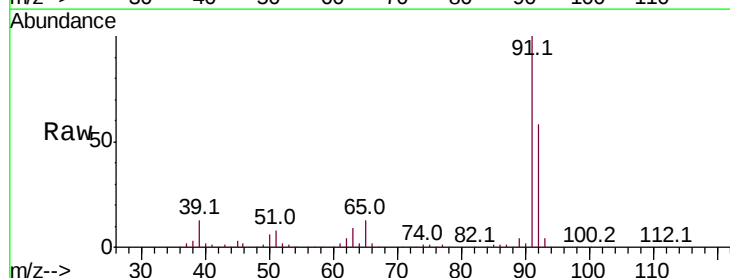
Acq: 18 Jul 2019 20:14

Tgt Ion: 92 Resp: 273706

Ion Ratio Lower Upper

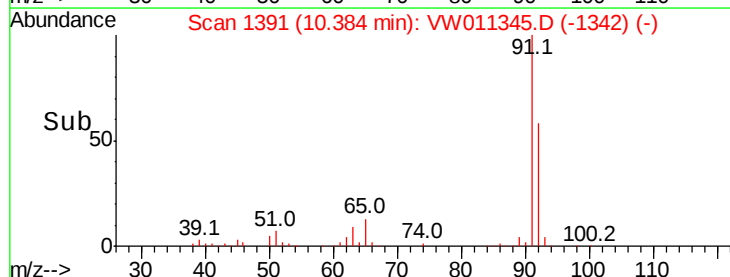
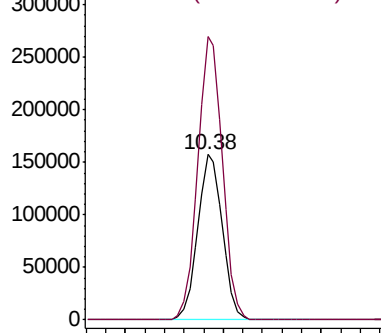
92 100

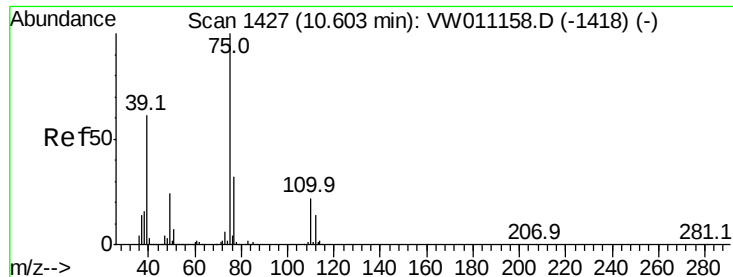
91 172.0 136.6 205.0



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





#53

t-1,3-Dichloropropene

Concen: 46.096 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW011345.D

Acq: 18 Jul 2019 20:14

Instrument :
MSVOA_W

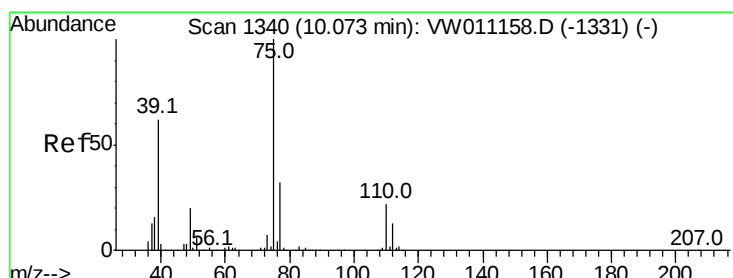
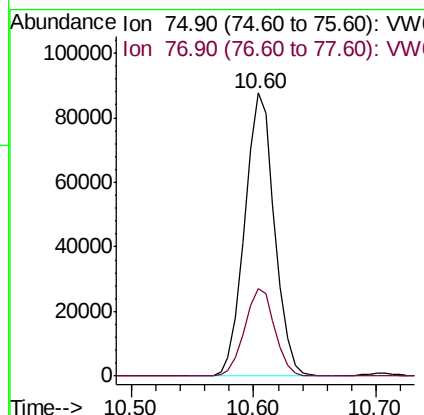
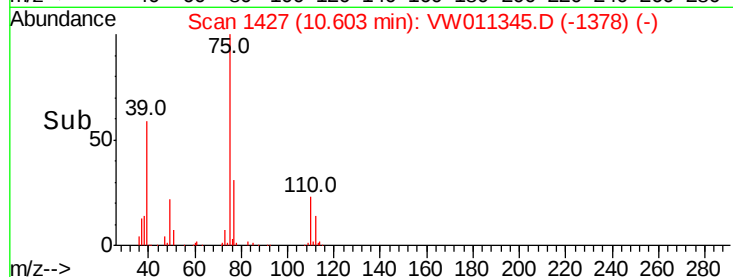
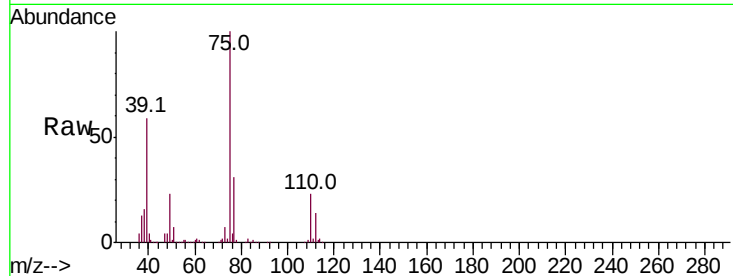
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 147706

Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.4	38.0

Manual Integrations
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#54

cis-1,3-Dichloropropene

Concen: 46.775 ug/l

RT: 10.07 min Scan# 1340

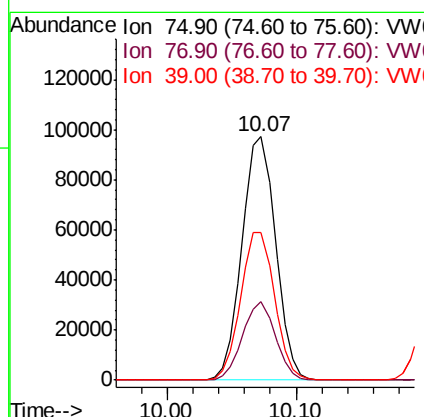
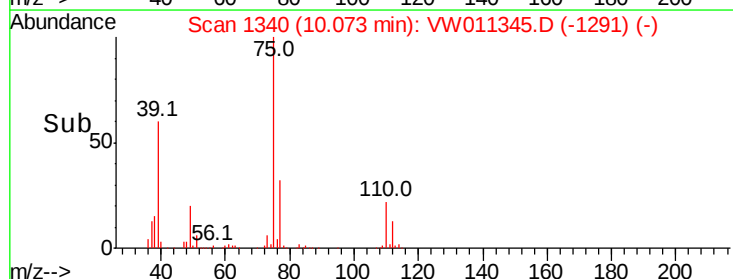
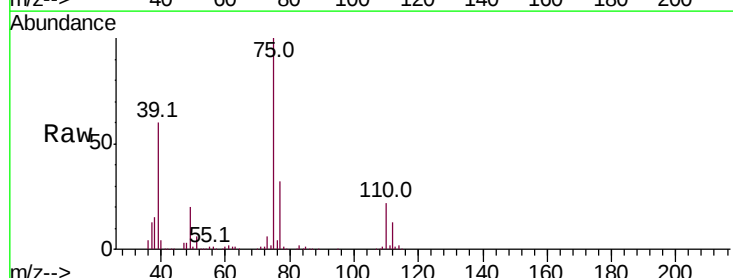
Delta R.T. 0.00 min

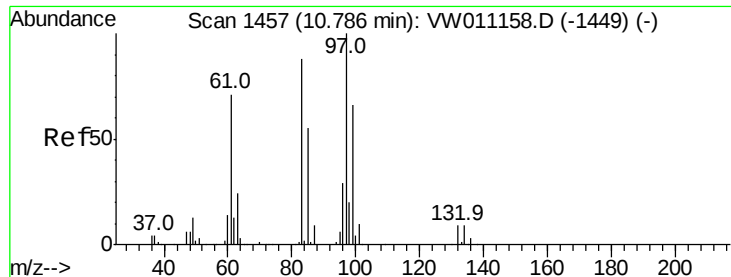
Lab File: VW011345.D

Acq: 18 Jul 2019 20:14

Tgt Ion: 75 Resp: 176416

Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.7	38.5
39	60.3	49.8	74.8





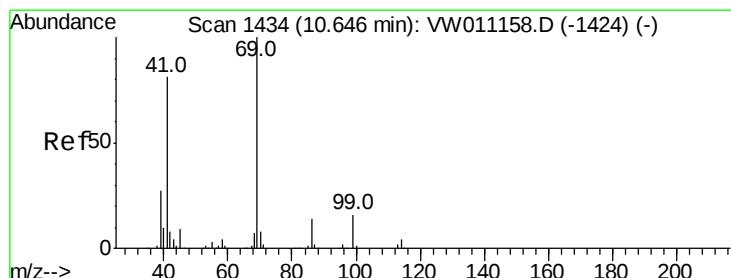
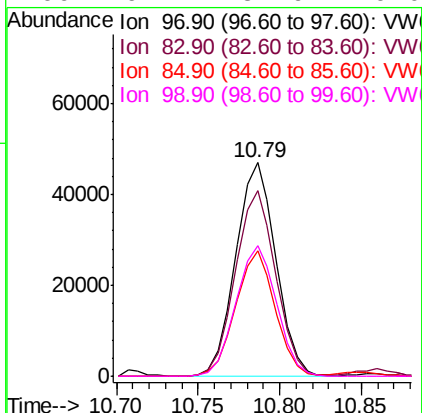
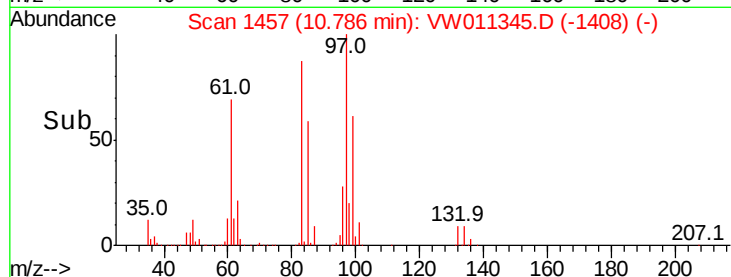
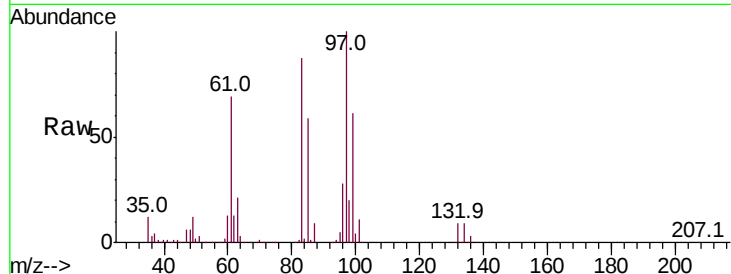
#55
 1,1,2-Trichloroethane
 Concen: 48.180 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW011345.D
 Acq: 18 Jul 2019 20:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	80416
Ion	Ratio	Lower	Upper
97	100		
83	86.7	70.2	105.4
85	58.7	44.2	66.2
99	61.2	52.6	79.0

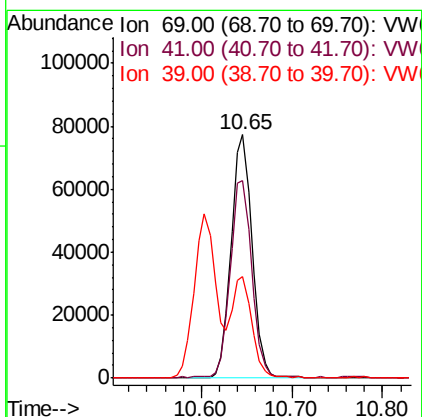
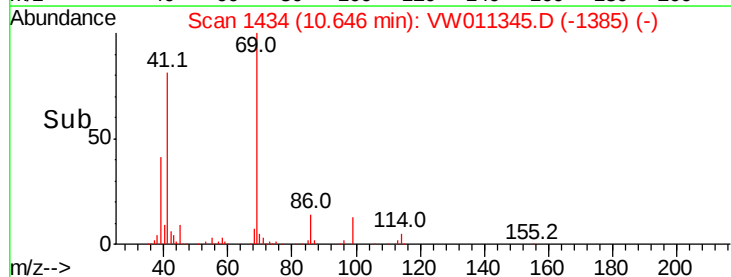
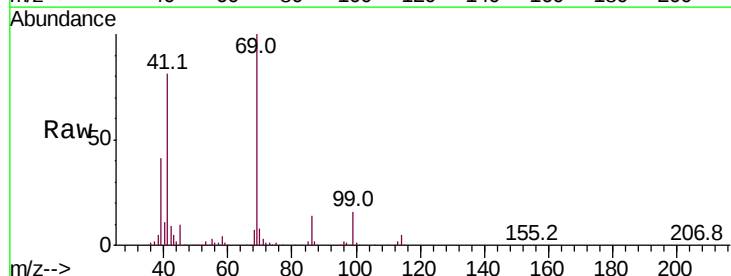
Manual Integrations
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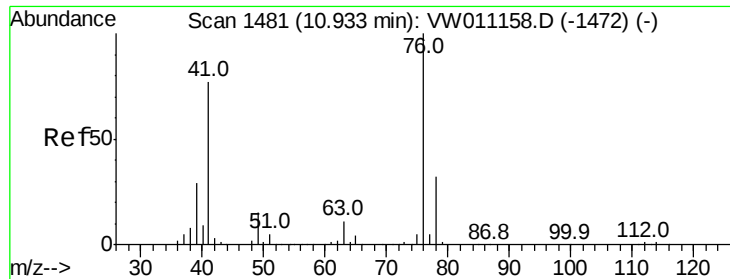
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 7/19/2019 9:51:10 AM



#56
 Ethyl methacrylate
 Concen: 49.086 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW011345.D
 Acq: 18 Jul 2019 20:14

Tgt Ion:	69	Resp:	124734
Ion	Ratio	Lower	Upper
69	100		
41	83.7	66.5	99.7
39	38.5	32.5	48.7





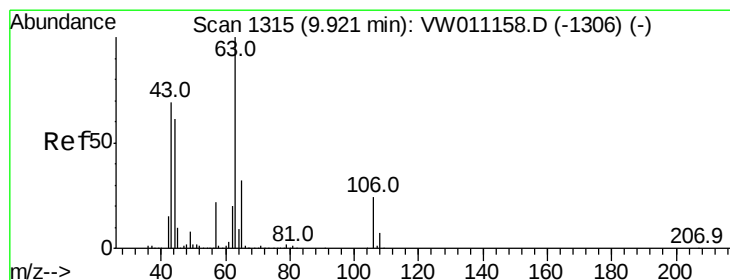
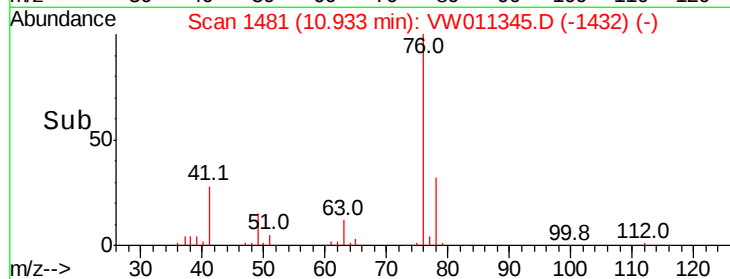
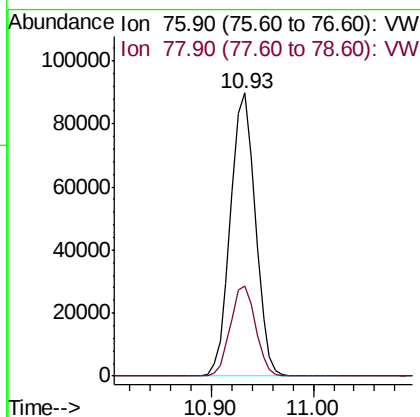
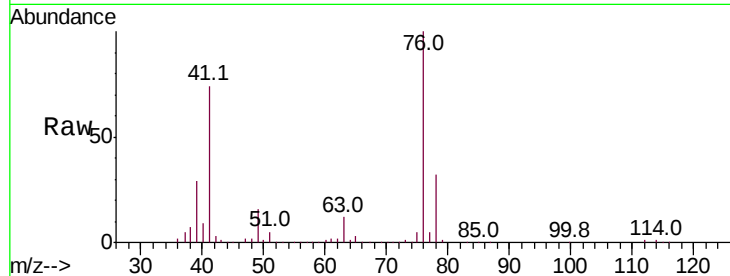
#57
 1,3-Dichloropropane
 Concen: 47.958 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW011345.D
 Acq: 18 Jul 2019 20:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 151367
 Ion Ratio Lower Upper
 76 100
 78 32.1 26.2 39.2

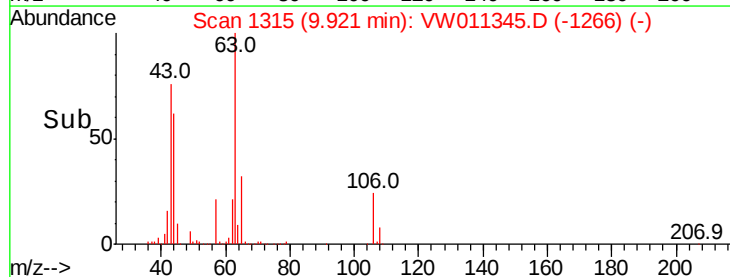
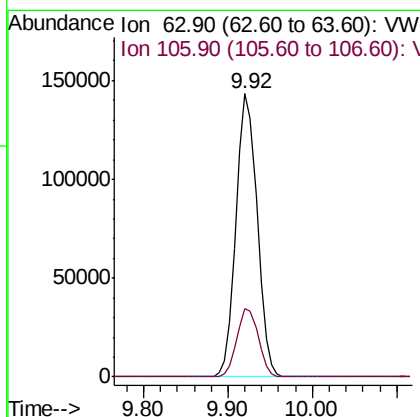
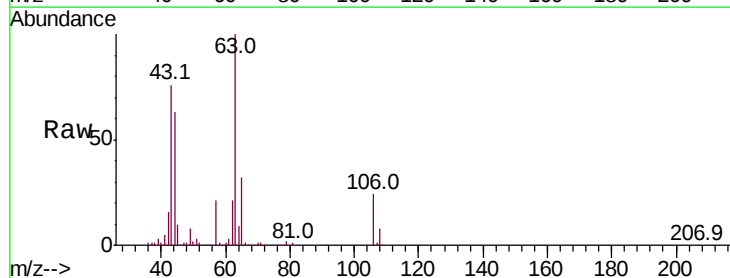
Manual Integrations
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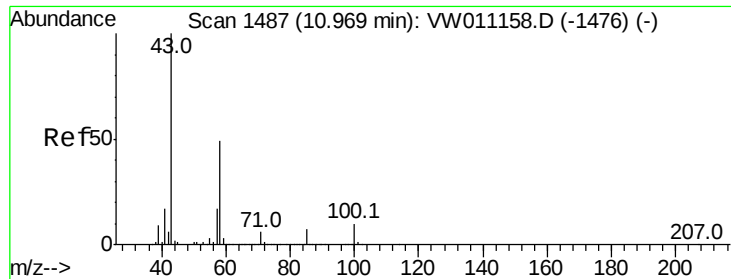
MMDadoda
 7/19/2019 9:51:10 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 205.588 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW011345.D
 Acq: 18 Jul 2019 20:14

Tgt Ion: 63 Resp: 242196
 Ion Ratio Lower Upper
 63 100
 106 24.5 19.4 29.0





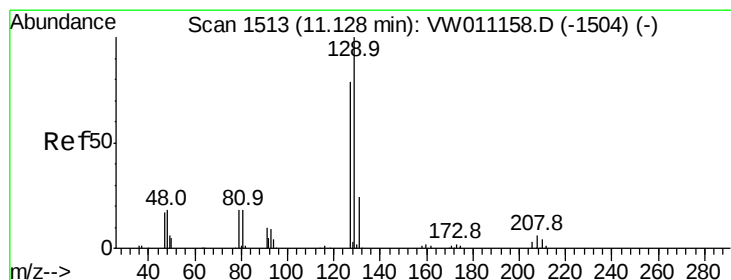
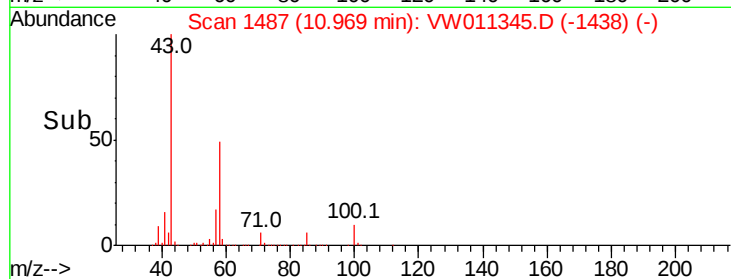
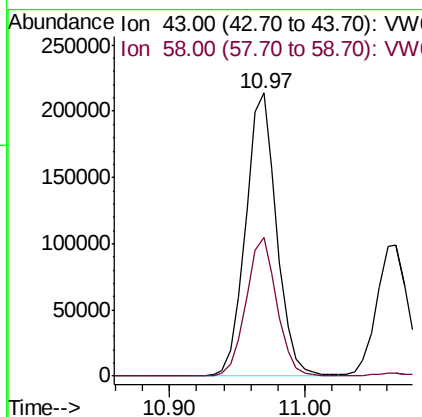
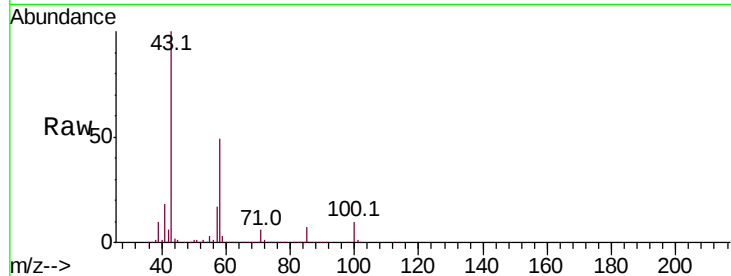
#59
2-Hexanone
Concen: 246.952 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW011345.D
Acq: 18 Jul 2019 20:14

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	48.7	24.4	73.4

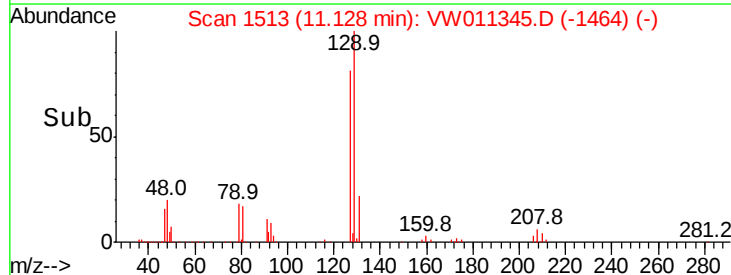
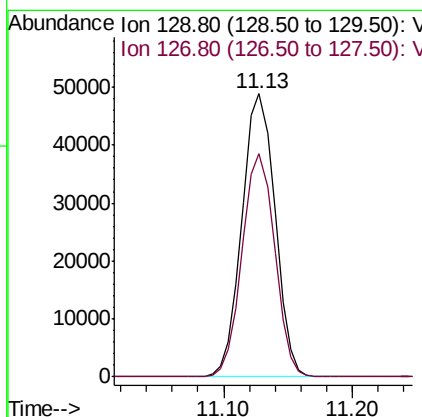
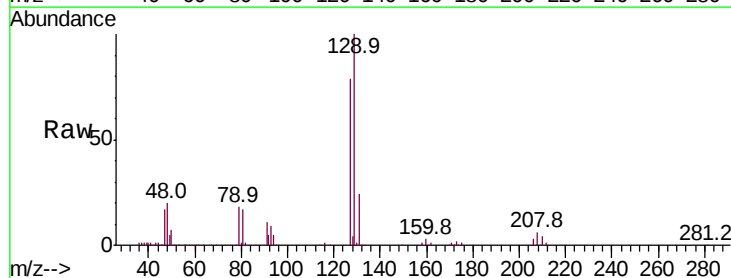
Manual Integrations
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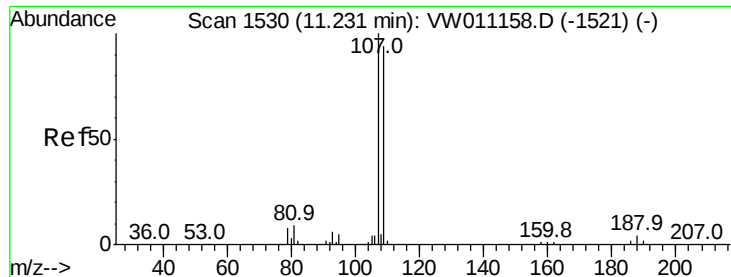
MMDadoda
7/19/2019 9:51:10 AM



#60
Dibromochloromethane
Concen: 47.634 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW011345.D
Acq: 18 Jul 2019 20:14

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.5	39.1	117.3





#61

1,2-Dibromoethane

Concen: 47.486 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VW011345.D

Acq: 18 Jul 2019 20:14

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 75075

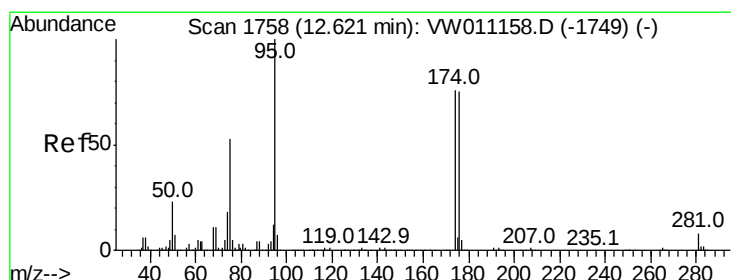
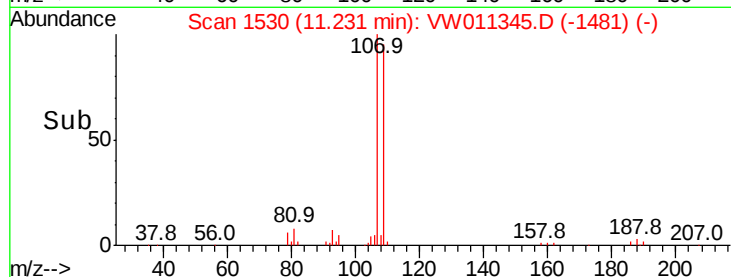
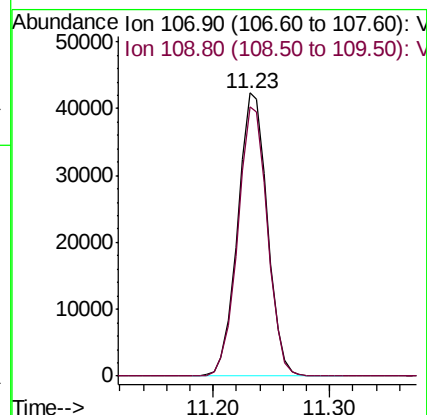
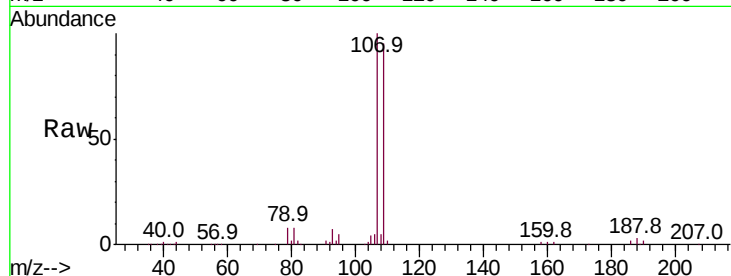
Ion Ratio Lower Upper

107 100

109 94.8 75.2 112.8

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MMDadoda
7/19/2019 9:51:10 AM



#62

4-Bromofluorobenzene

Concen: 45.184 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VW011345.D

Acq: 18 Jul 2019 20:14

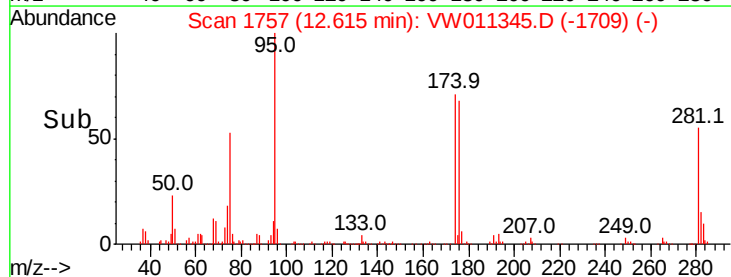
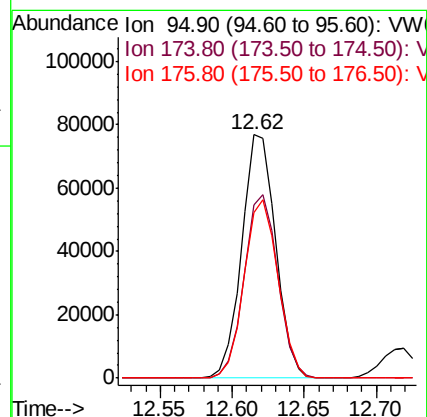
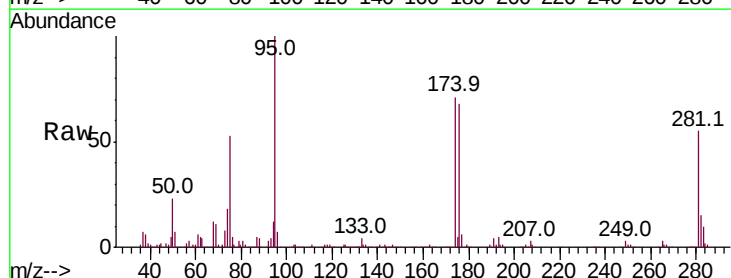
Tgt Ion: 95 Resp: 125399

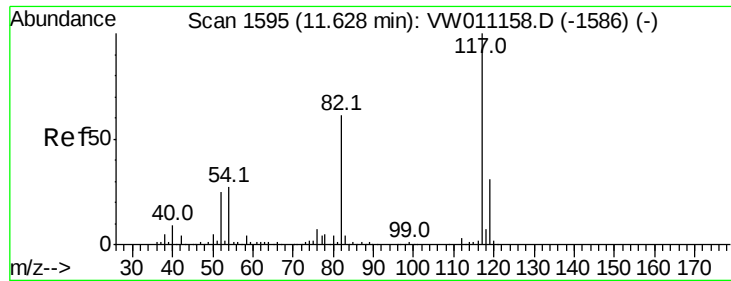
Ion Ratio Lower Upper

95 100

174 75.0 0.0 147.6

176 73.3 0.0 144.6





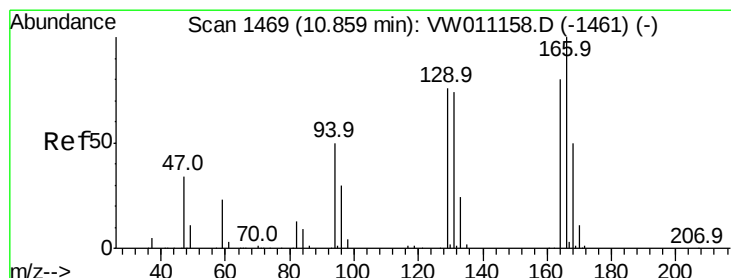
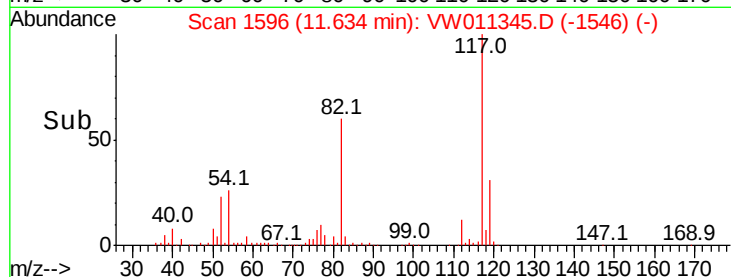
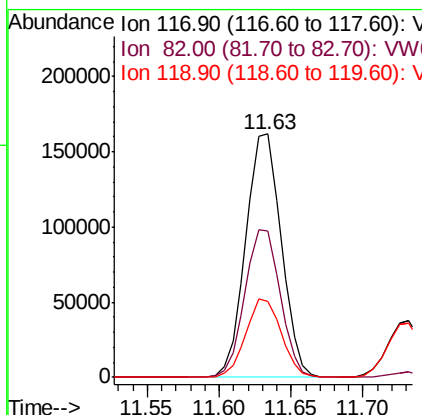
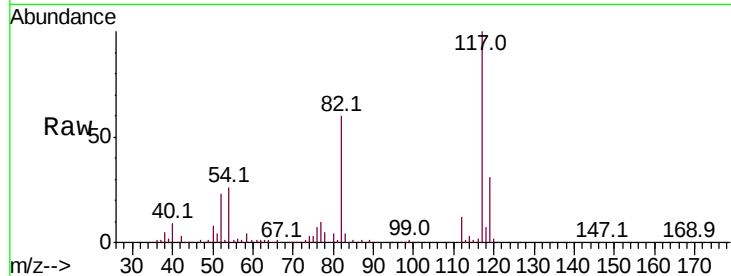
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW011345.D
Acq: 18 Jul 2019 20:14

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.3	48.9	73.3
119	31.3	25.0	37.6

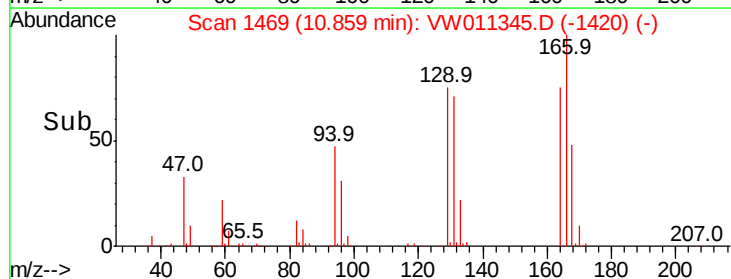
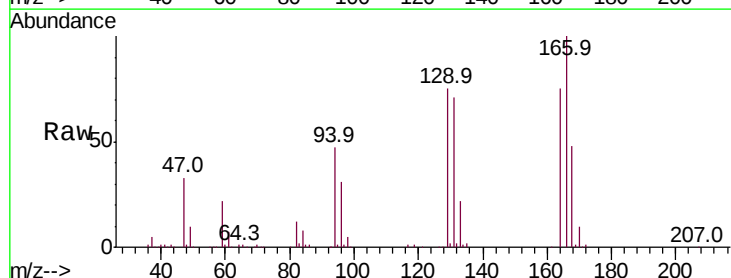
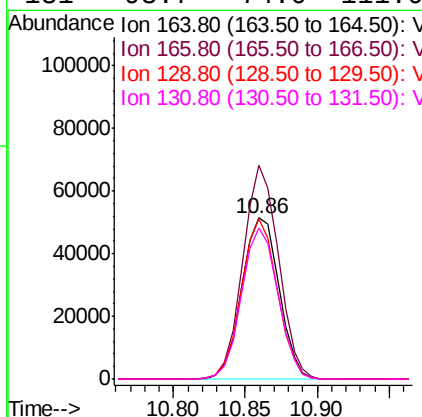
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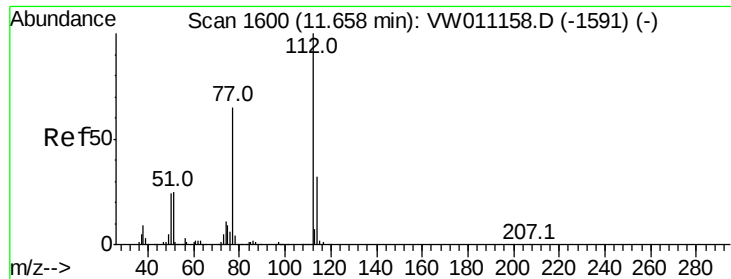
MMDadoda
7/19/2019 9:51:10 AM



#64
Tetrachloroethene
Concen: 49.306 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW011345.D
Acq: 18 Jul 2019 20:14

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.7	99.7	149.5
129	99.2	76.2	114.2
131	93.7	74.0	111.0





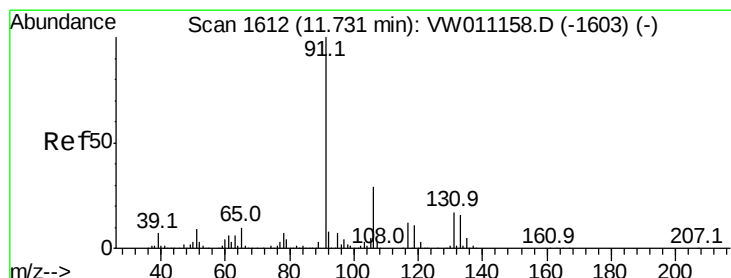
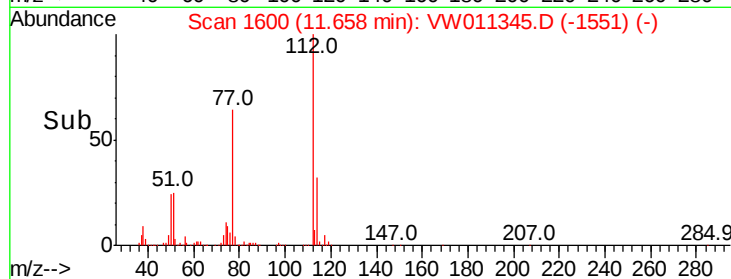
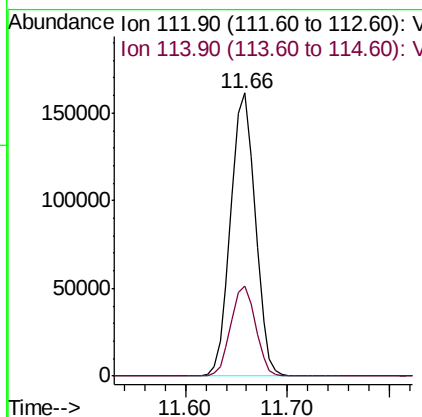
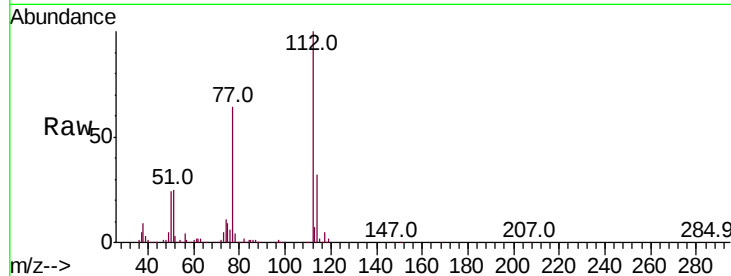
#65
Chlorobenzene
Concen: 47.751 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW011345.D
Acq: 18 Jul 2019 20:14

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.0	25.5	38.3

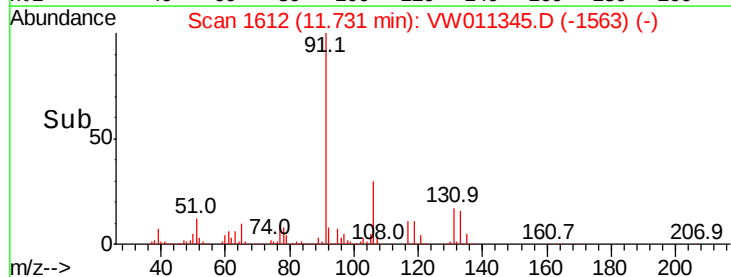
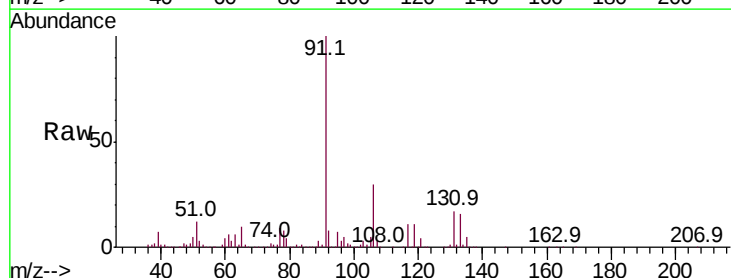
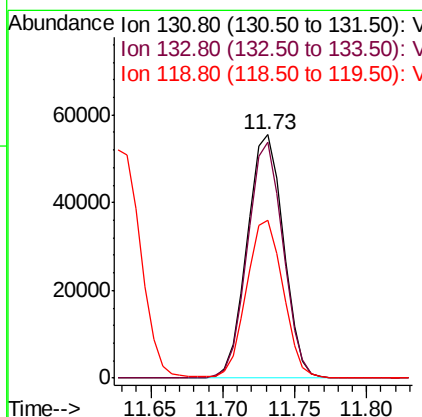
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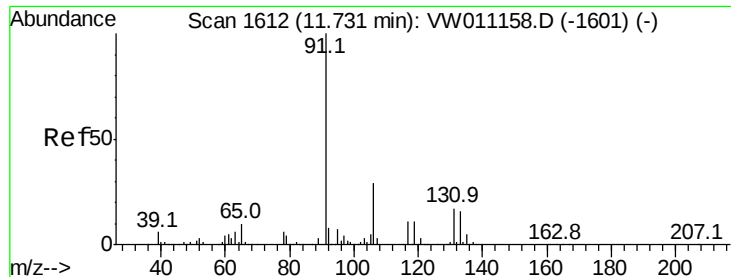
MMDadoda
7/19/2019 9:51:10 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 48.705 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011345.D
Acq: 18 Jul 2019 20:14

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.9	47.9	143.8
119	65.7	33.1	99.2





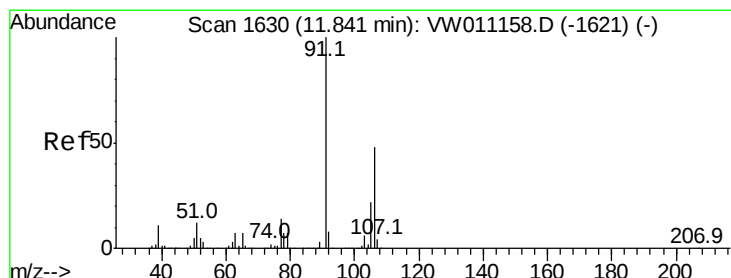
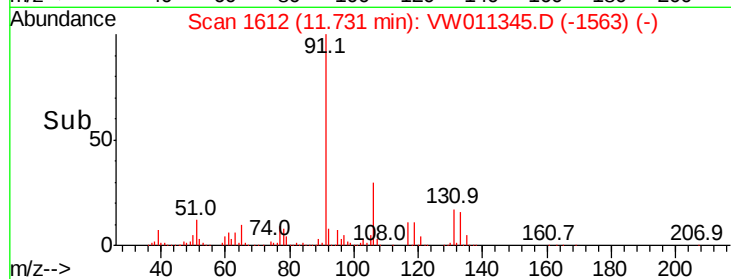
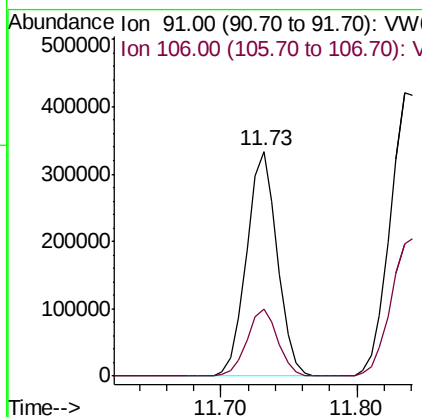
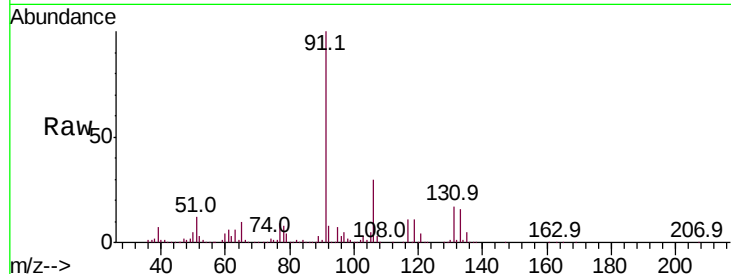
#67
Ethyl Benzene
Concen: 48.782 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011345.D
Acq: 18 Jul 2019 20:14

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
106	29.7	23.5	35.3

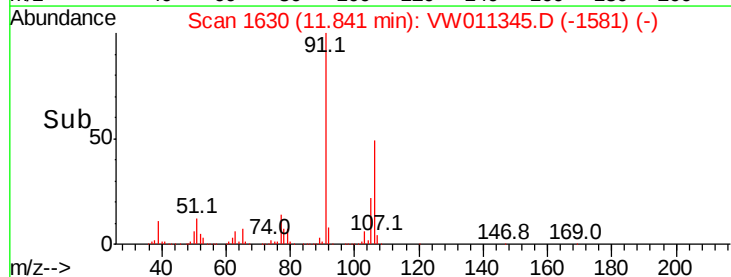
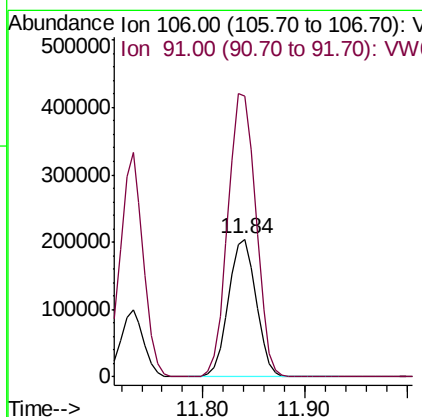
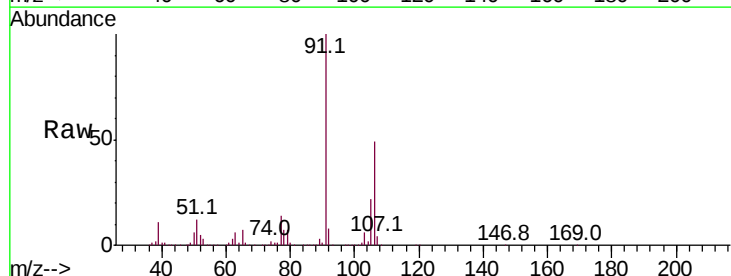
Manual Integrations
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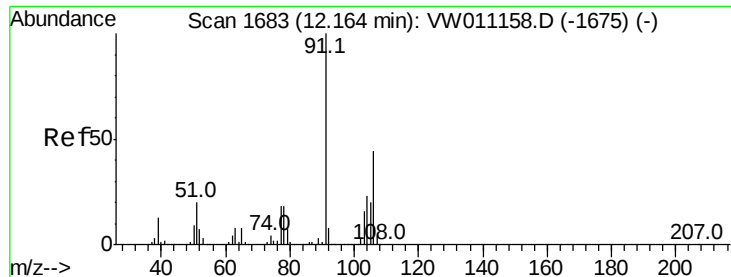
MMDadoda
7/19/2019 9:51:10 AM



#68
m/p-Xylenes
Concen: 97.943 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW011345.D
Acq: 18 Jul 2019 20:14

Tgt Ion	Ratio	Lower	Upper
106	100		
91	209.1	167.7	251.5





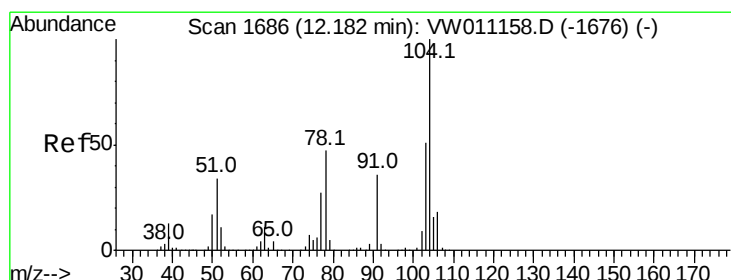
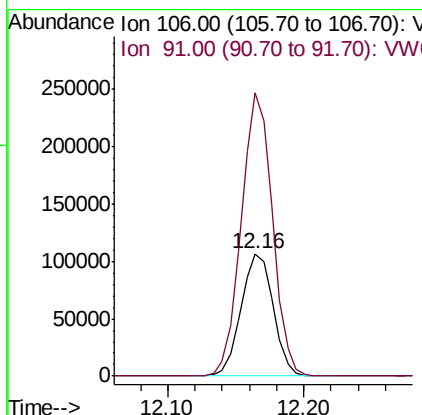
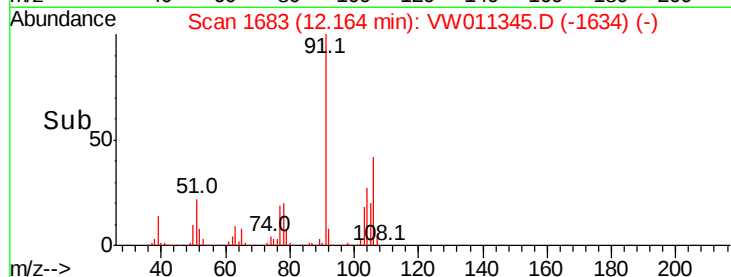
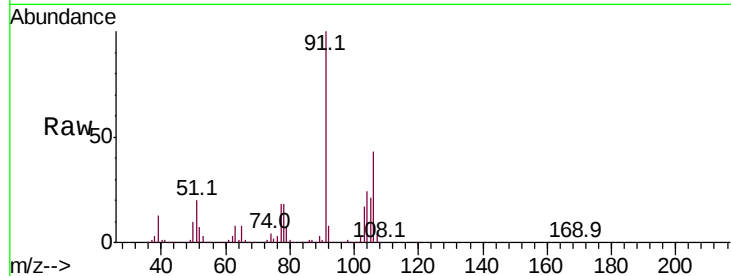
#69
o-Xylene
Concen: 48.012 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW011345.D
Acq: 18 Jul 2019 20:14

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 176608
Ion Ratio Lower Upper
106 100
91 223.9 110.7 332.1

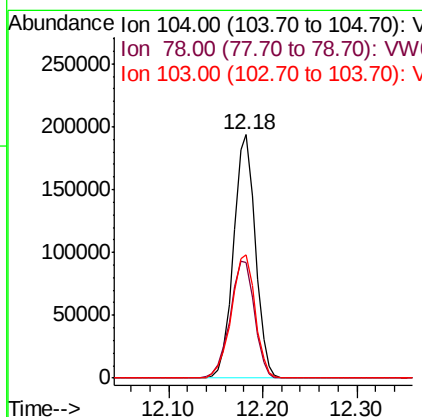
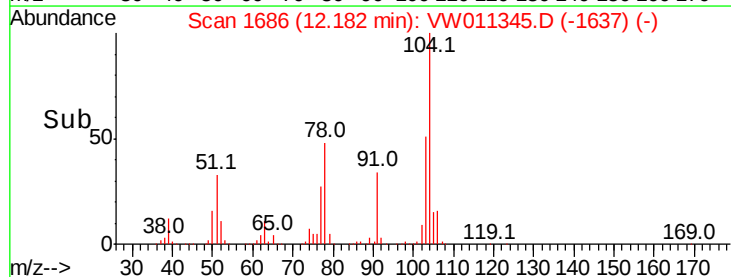
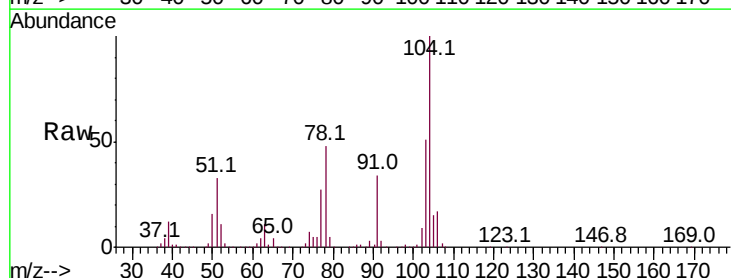
Manual Integrations
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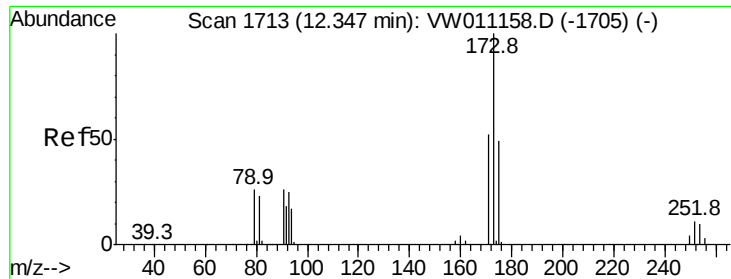
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#70
Styrene
Concen: 48.971 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW011345.D
Acq: 18 Jul 2019 20:14

Tgt Ion:104 Resp: 310881
Ion Ratio Lower Upper
104 100
78 53.8 43.1 64.7
103 55.4 44.1 66.1





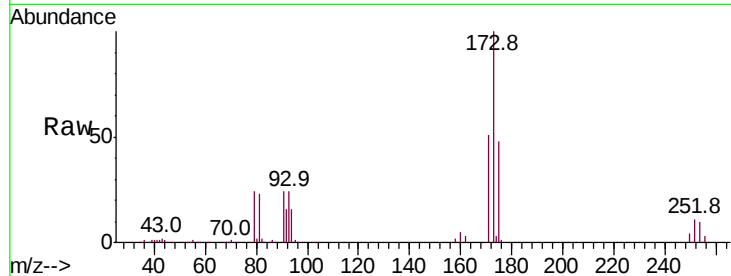
#71
Bromoform
Concen: 46.446 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW011345.D
Acq: 18 Jul 2019 20:14

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.8	74.3
254	0.1	0.0	0.0

Manual Integrations
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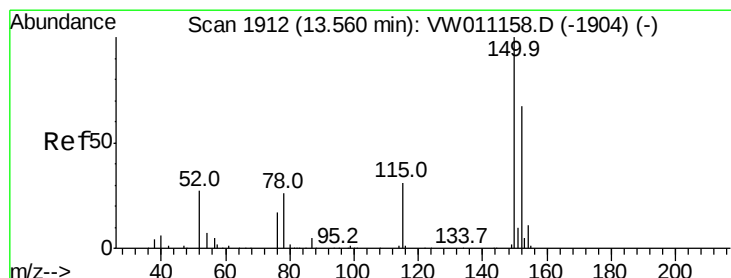
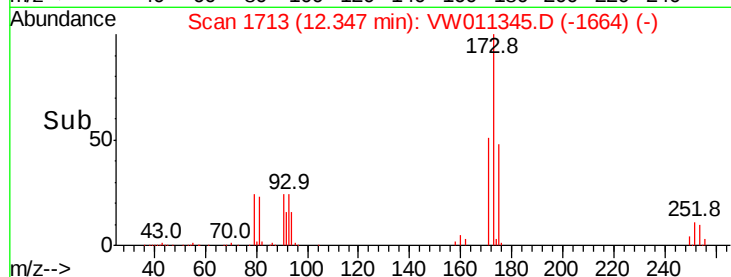
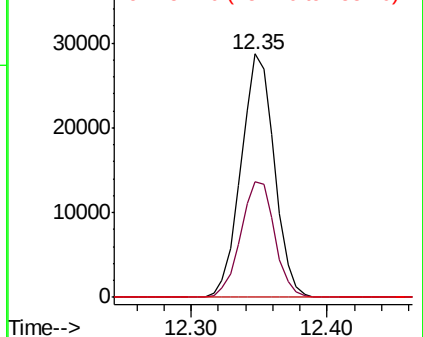


Abundance

Ion 172.70 (172.40 to 173.40): V

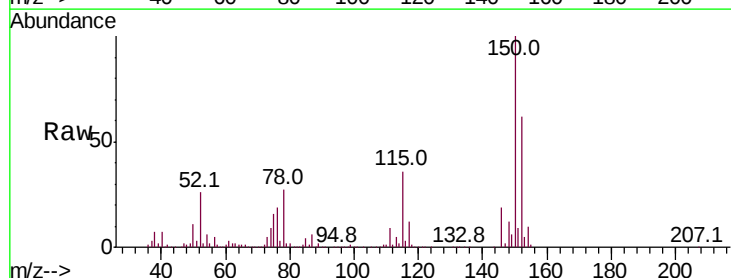
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW011345.D
Acq: 18 Jul 2019 20:14

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.0	30.1	90.3
150	174.1	0.0	346.0

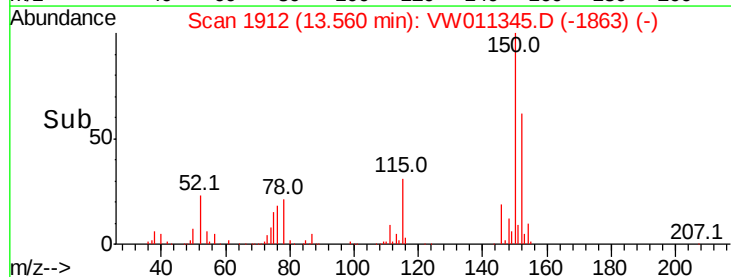
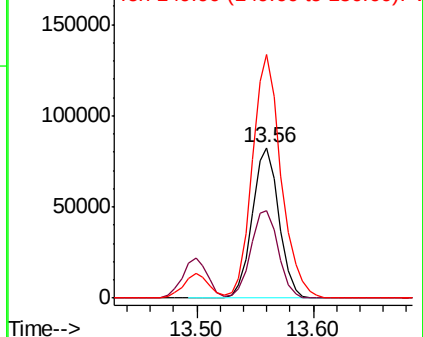


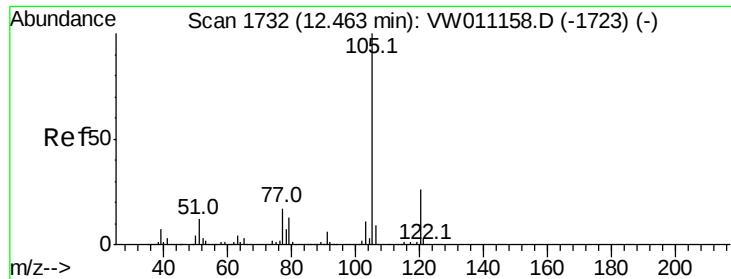
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





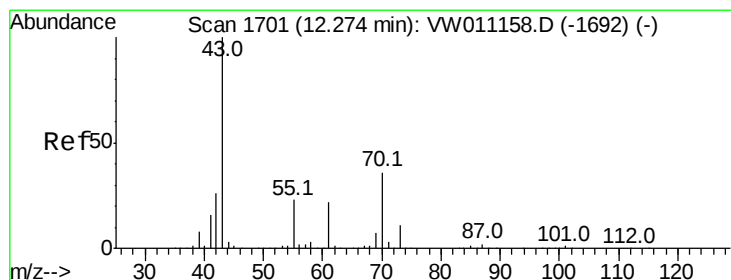
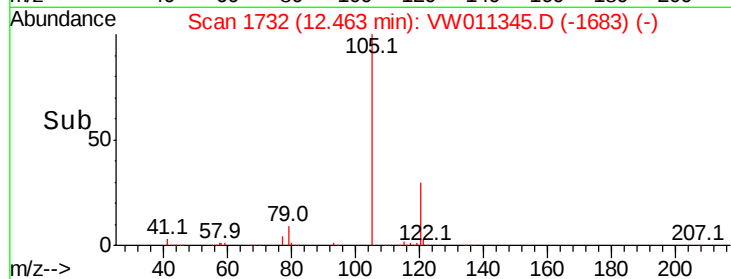
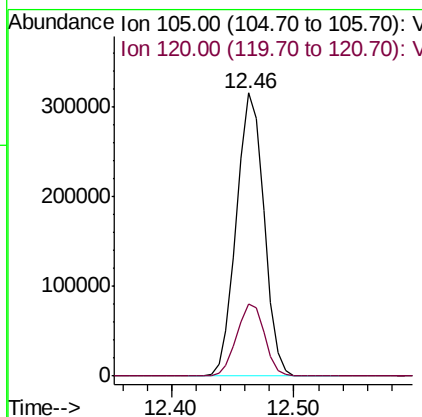
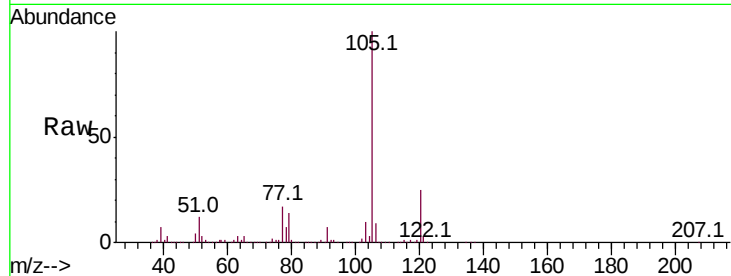
#73
Isopropylbenzene
Concen: 50.239 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VW011345.D
Acq: 18 Jul 2019 20:14

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.7	12.8	38.3

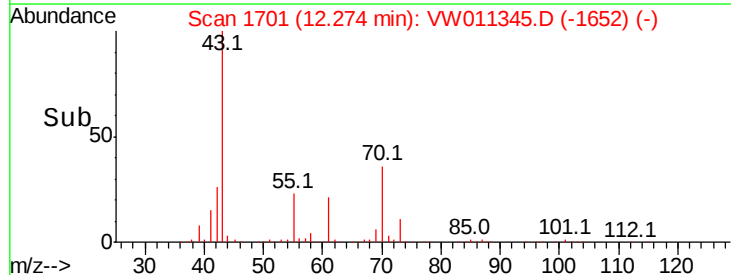
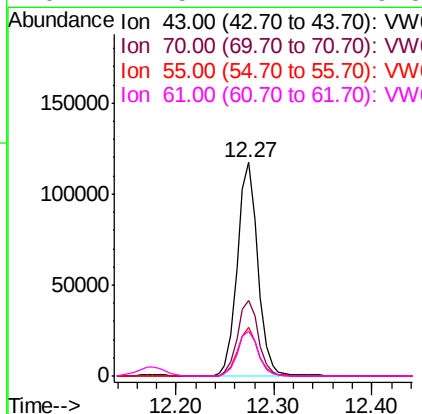
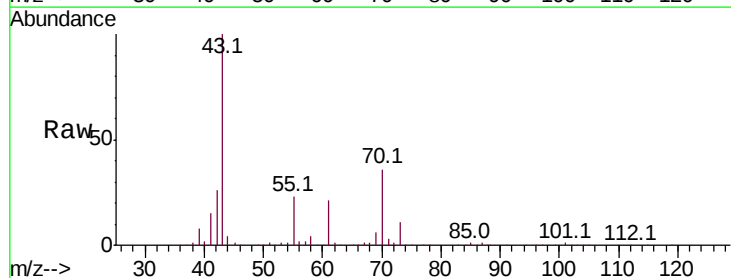
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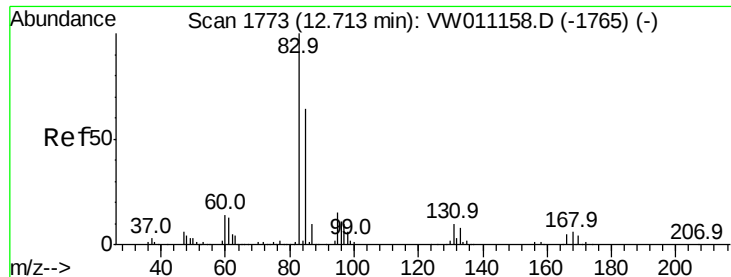
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7/19/2019 9:51:10 AM



#74
N-ethyl acetate
Concen: 49.960 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VW011345.D
Acq: 18 Jul 2019 20:14

Tgt Ion	Ratio	Lower	Upper
43	100		
70	36.3	28.5	42.7
55	23.0	18.1	27.1
61	21.5	17.2	25.8





#75

1,1,2,2-Tetrachloroethane

Concen: 48.896 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW011345.D

Acq: 18 Jul 2019 20:14

Instrument :

MSVOA_W

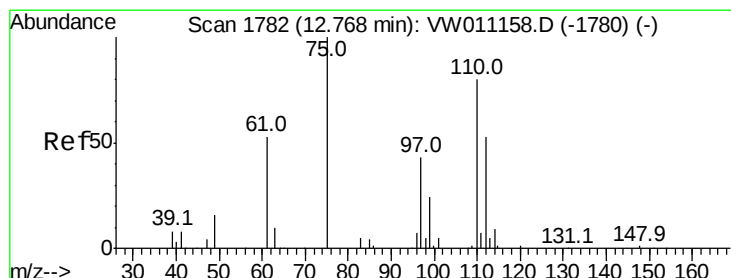
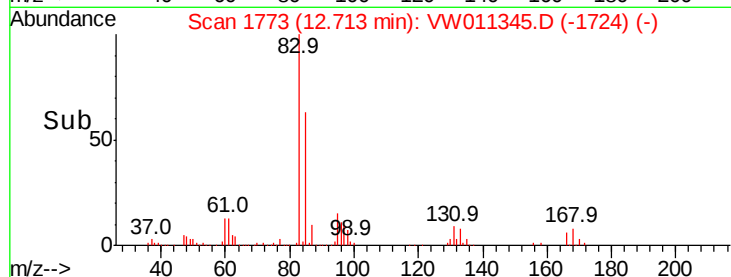
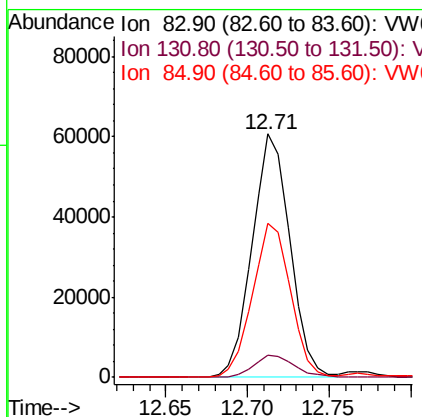
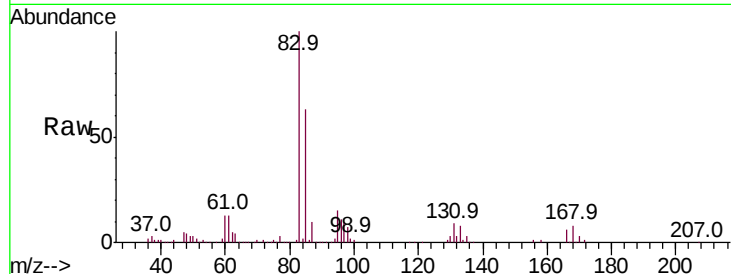
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	98196
Ion Ratio	Lower	Upper	
83	100		
131	9.7	5.0	15.0
85	63.7	31.6	94.8

Manual Integrations
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7/19/2019 9:51:10 AM



#76

1,2,3-Trichloropropane

Concen: 45.887 ug/l m

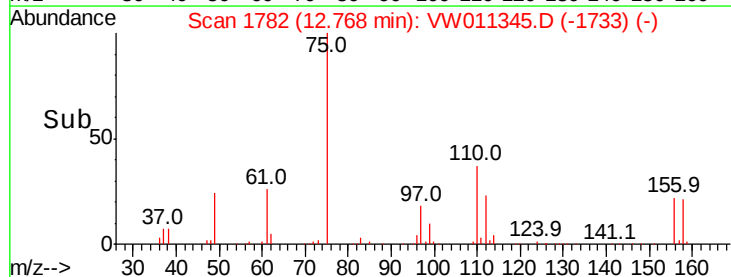
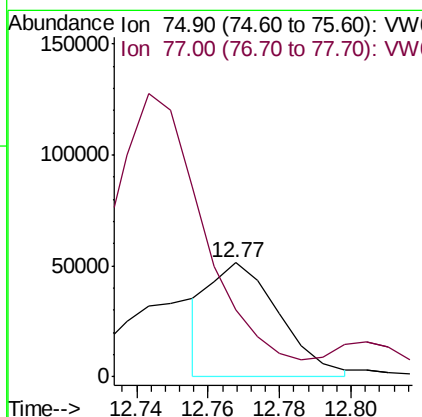
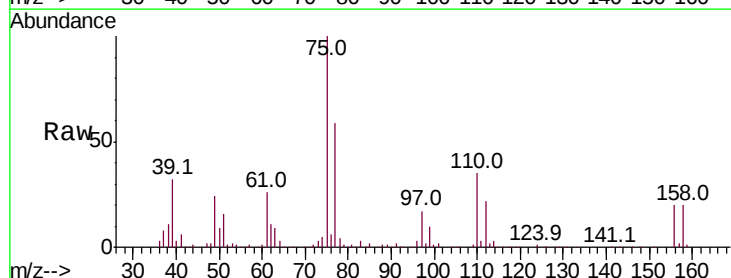
RT: 12.77 min Scan# 1782

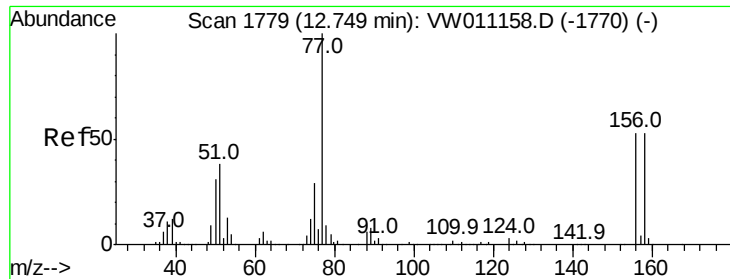
Delta R.T. 0.00 min

Lab File: VW011345.D

Acq: 18 Jul 2019 20:14

Tgt Ion:	75	Resp:	69499
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 49.765 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW011345.D

Acq: 18 Jul 2019 20:14

Instrument :

MSVOA_W

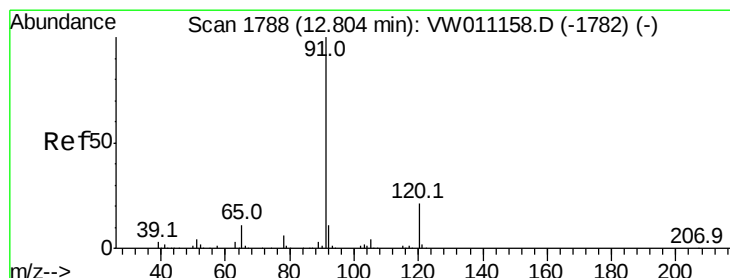
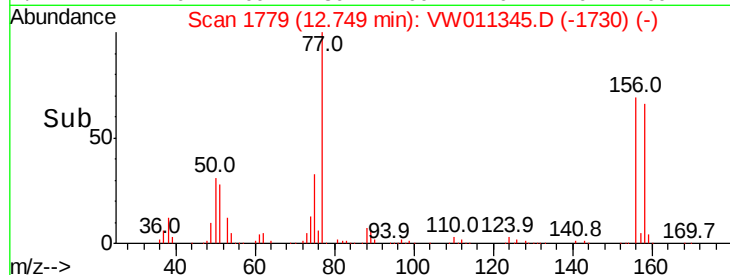
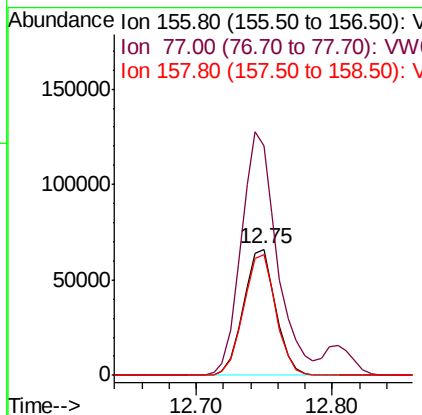
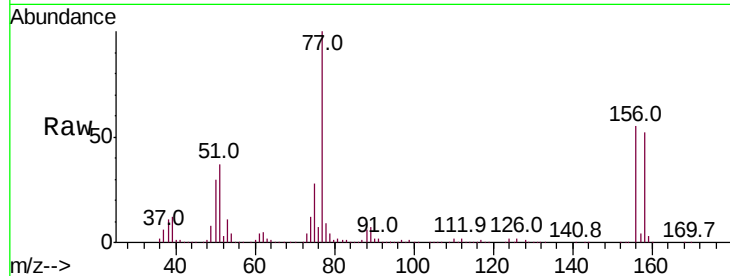
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	109416
Ion Ratio	Lower	Upper	
156	100		
77	214.1	109.0	327.0
158	95.9	48.8	146.3

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#78

n-propylbenzene

Concen: 49.693 ug/l

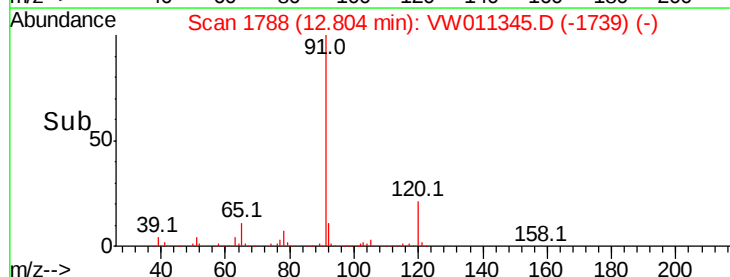
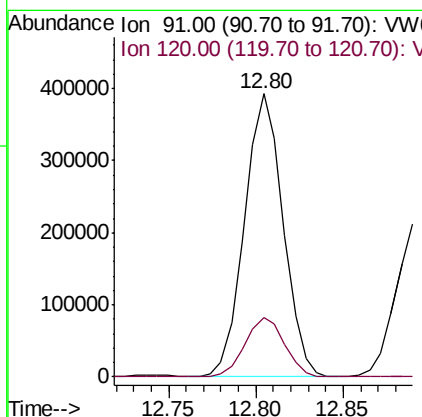
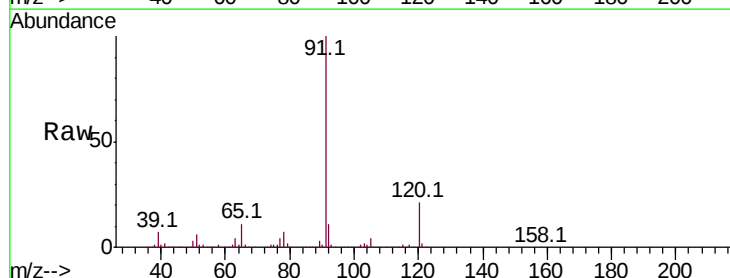
RT: 12.80 min Scan# 1788

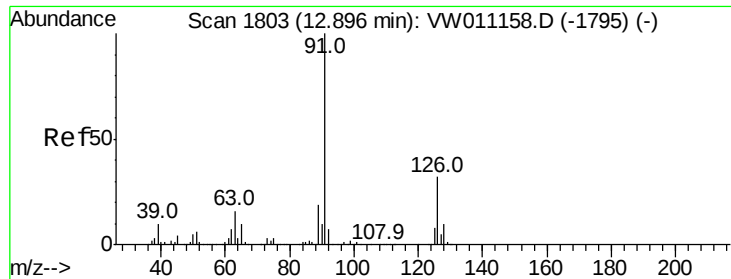
Delta R.T. 0.00 min

Lab File: VW011345.D

Acq: 18 Jul 2019 20:14

Tgt Ion:	91	Resp:	599728
Ion Ratio	Lower	Upper	
91	100		
120	21.5	10.8	32.3





#79

2-Chlorotoluene

Concen: 49.652 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.01 min

Lab File: VW011345.D

Acq: 18 Jul 2019 20:14

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 344829

Ion Ratio Lower Upper

91 100

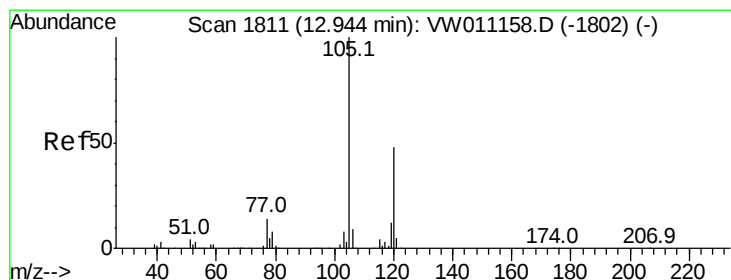
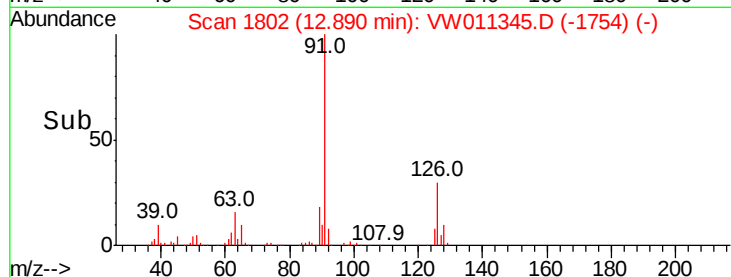
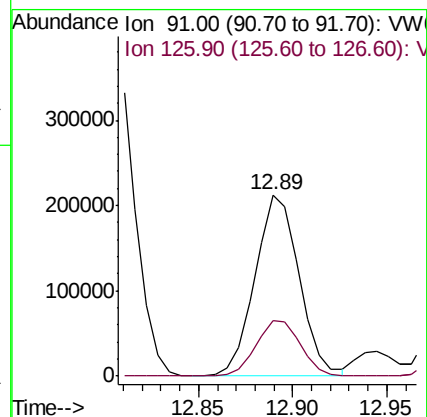
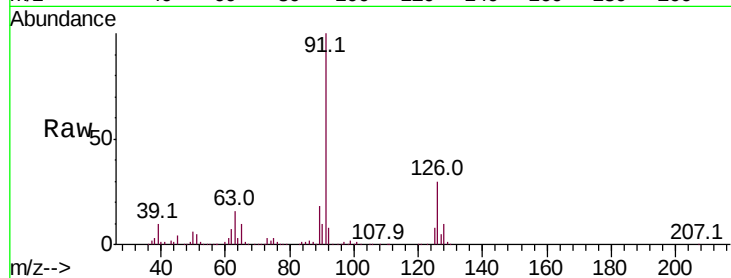
126 30.9 15.8 47.3

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#80

1,3,5-Trimethylbenzene

Concen: 49.802 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW011345.D

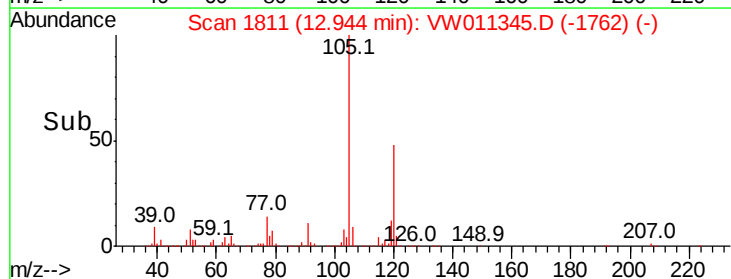
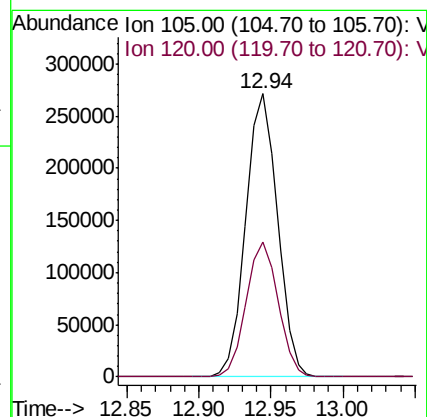
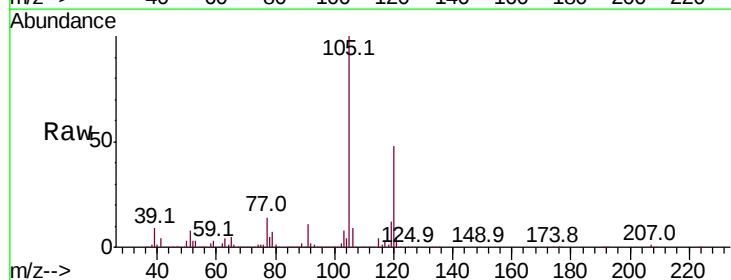
Acq: 18 Jul 2019 20:14

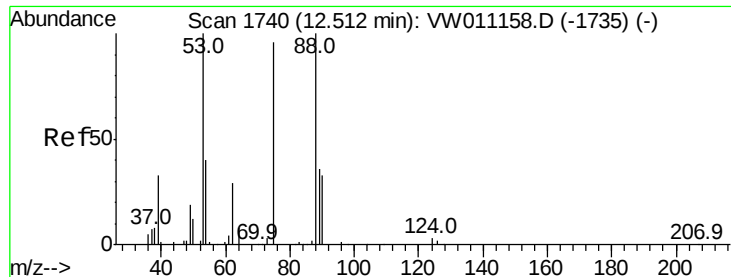
Tgt Ion:105 Resp: 414513

Ion Ratio Lower Upper

105 100

120 47.9 24.1 72.2





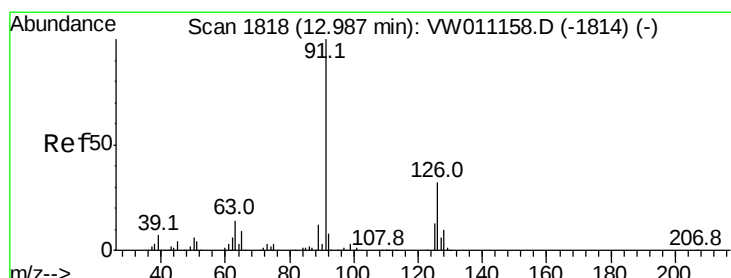
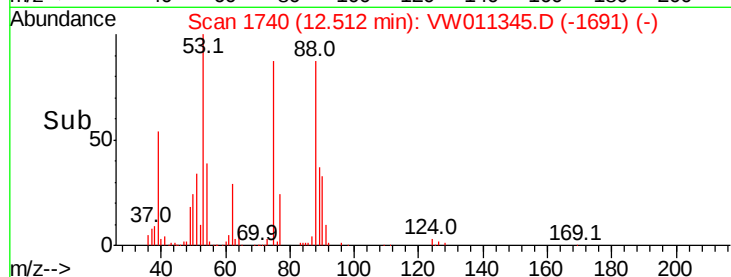
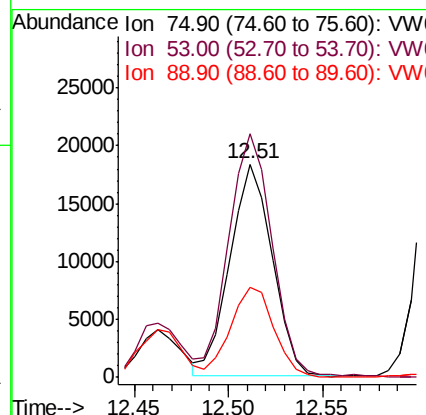
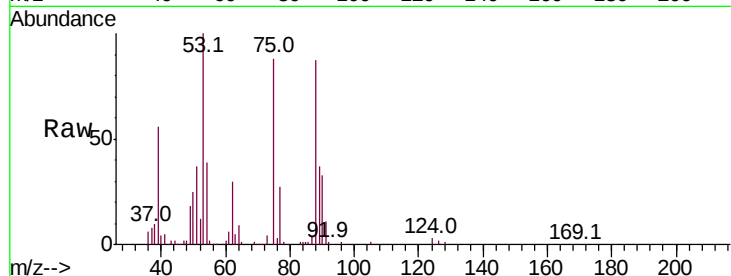
#81
trans-1,4-Dichloro-2-butene
Concen: 42.479 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW011345.D
Acq: 18 Jul 2019 20:14

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	119.7	89.8	134.6
89	43.7	34.3	51.5

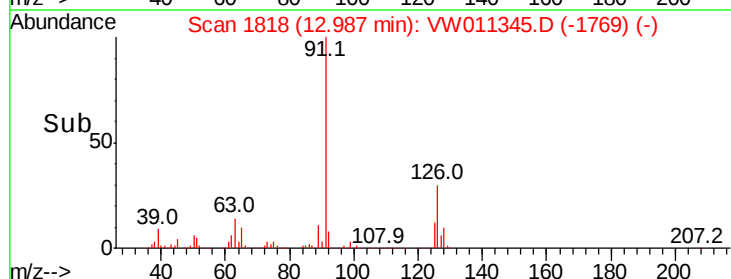
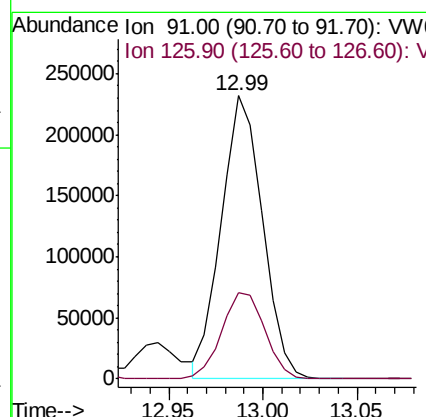
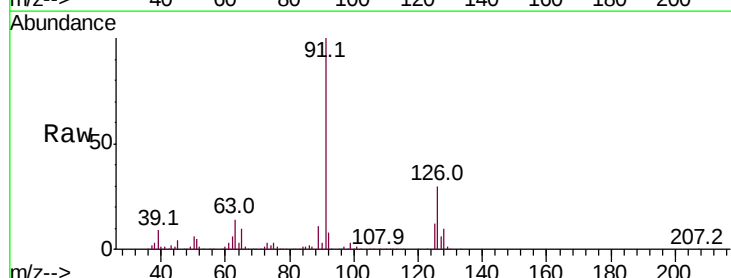
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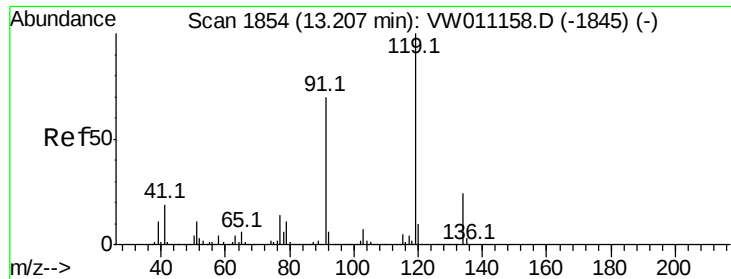
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#82
4-Chlorotoluene
Concen: 48.630 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW011345.D
Acq: 18 Jul 2019 20:14

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.1	15.7	47.1





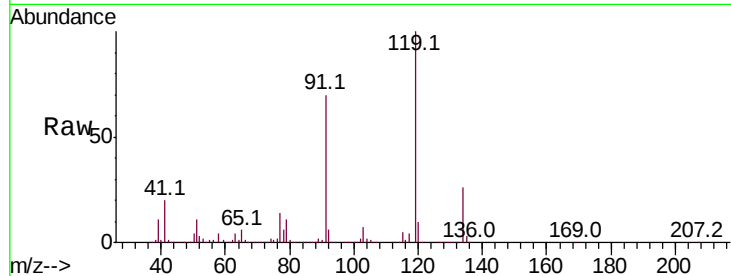
#83
tert-Butylbenzene
Concen: 49.682 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW011345.D
Acq: 18 Jul 2019 20:14

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

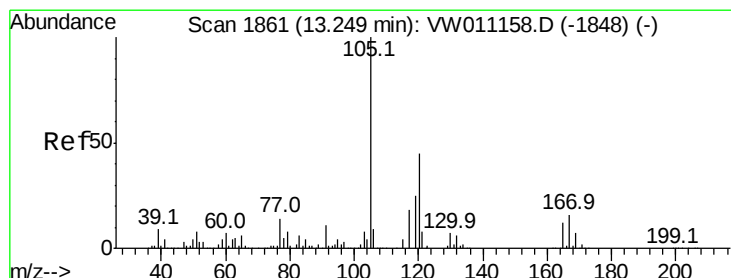
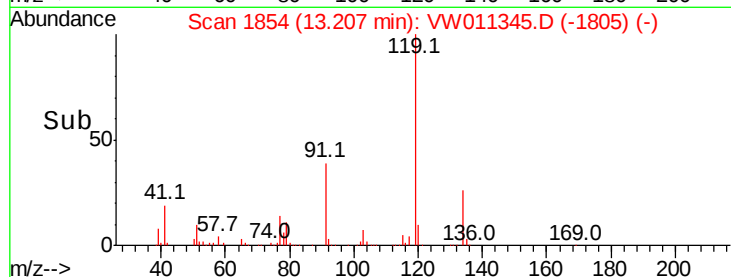
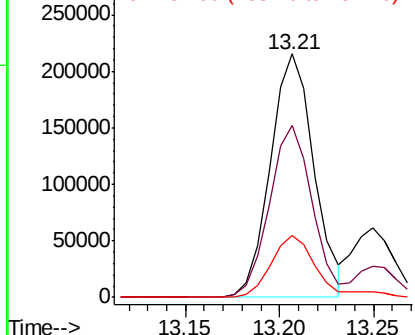
Tot Ion	Ratio	Lower	Upper
119	100		
91	69.3	35.4	106.3
134	27.0	13.4	40.2

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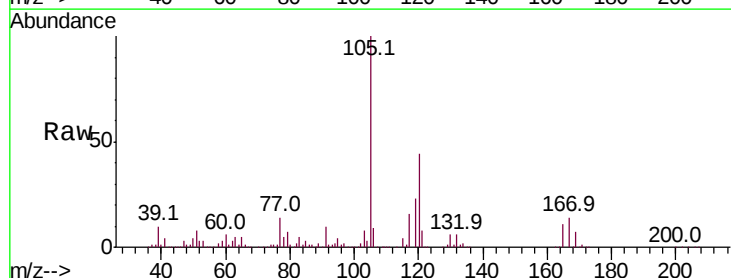


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

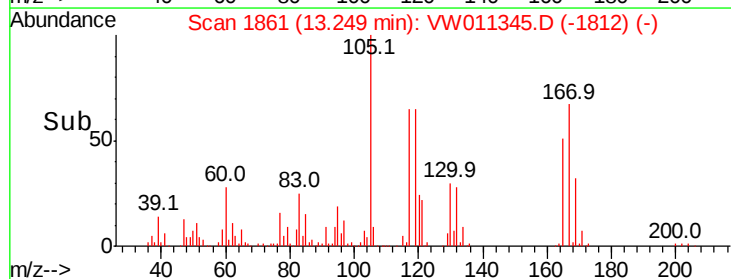
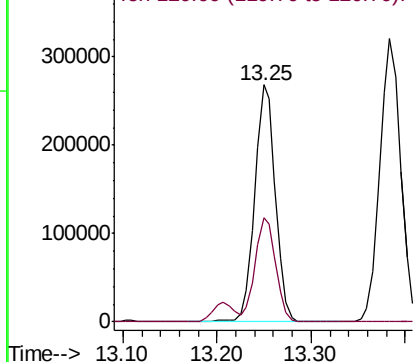


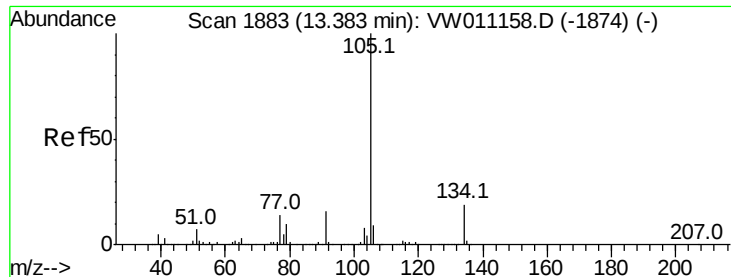
#84
1,2,4-Trimethylbenzene
Concen: 49.739 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW011345.D
Acq: 18 Jul 2019 20:14

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.9	22.3	66.9



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





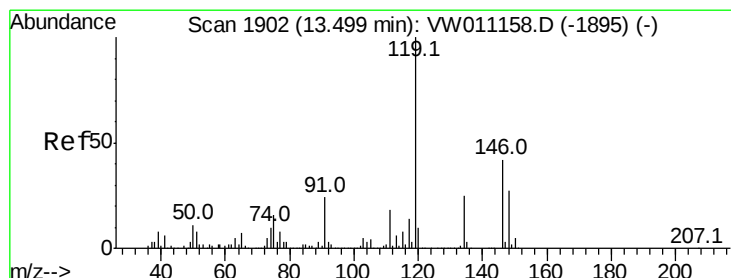
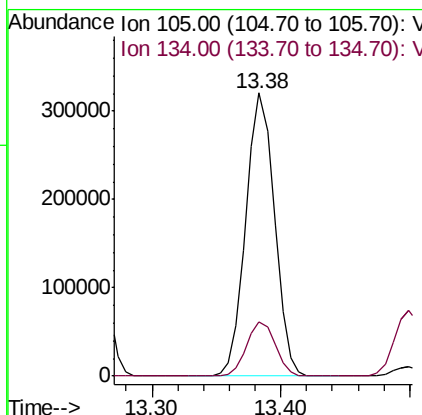
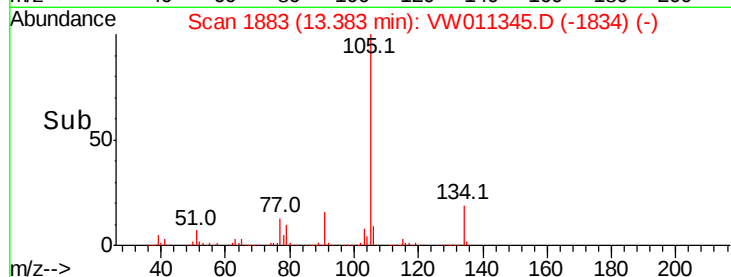
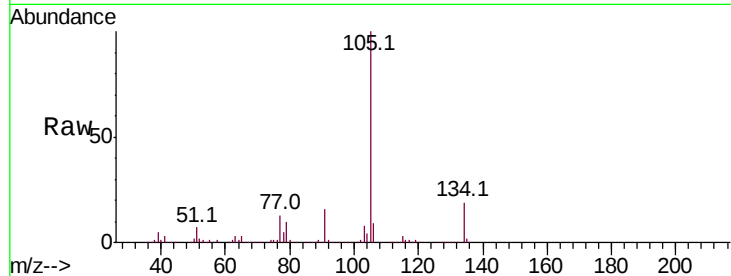
#85
 sec-Butylbenzene
 Concen: 49.054 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW011345.D
 Acq: 18 Jul 2019 20:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
105	100	491335		
134	19.3	9.7	28.9	

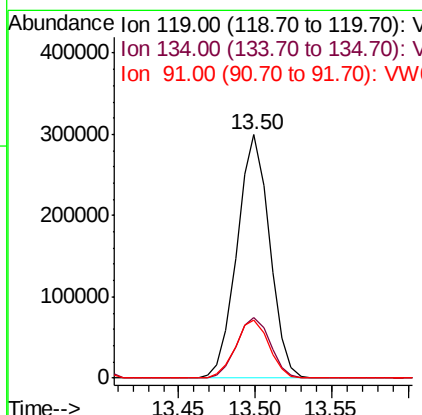
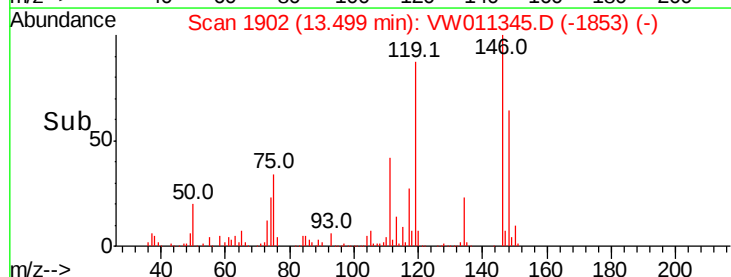
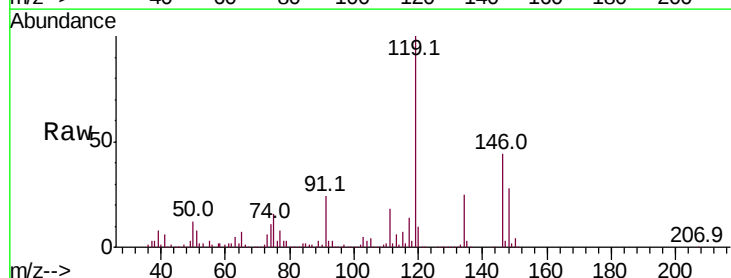
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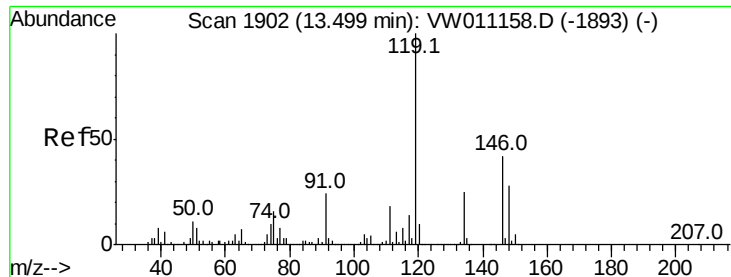
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#86
 p-Isopropyltoluene
 Concen: 49.181 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW011345.D
 Acq: 18 Jul 2019 20:14

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	441830		
134	25.8	12.9	38.6	
91	24.4	12.3	36.8	





#87

1,3-Dichlorobenzene

Concen: 49.052 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW011345.D

Acq: 18 Jul 2019 20:14

Instrument :

MSVOA_W

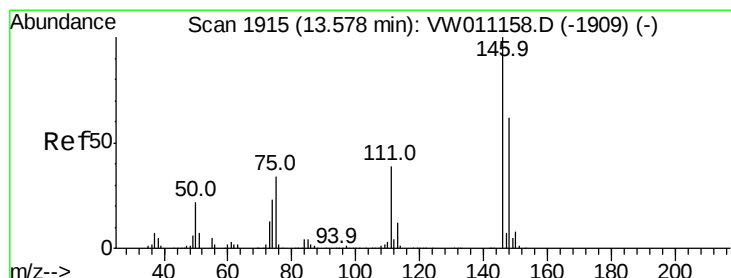
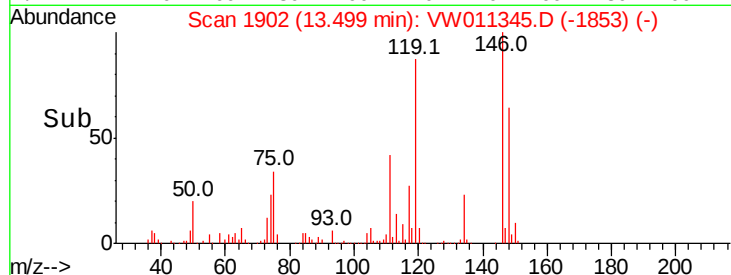
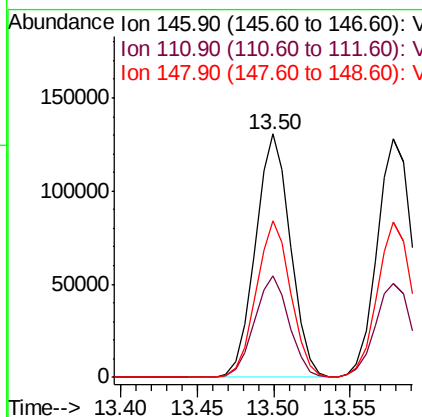
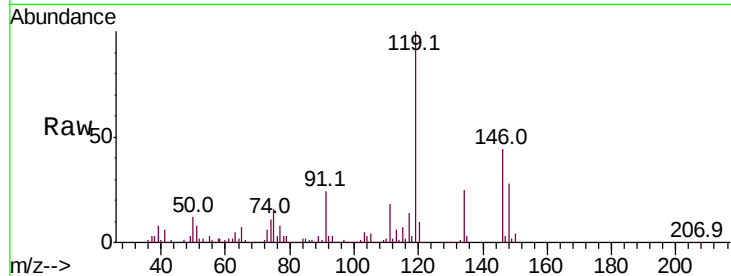
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	207501
Ion Ratio	Lower	Upper	
146	100		
111	41.3	21.1	63.1
148	63.2	32.6	97.7

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#88

1,4-Dichlorobenzene

Concen: 48.088 ug/l

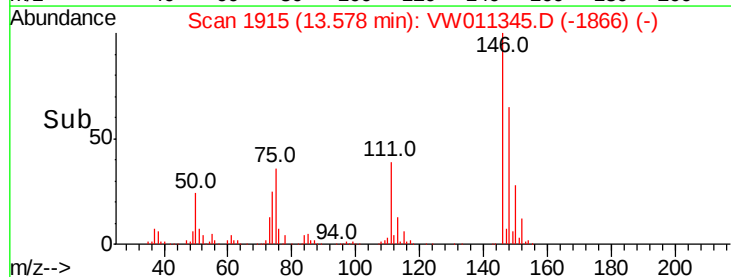
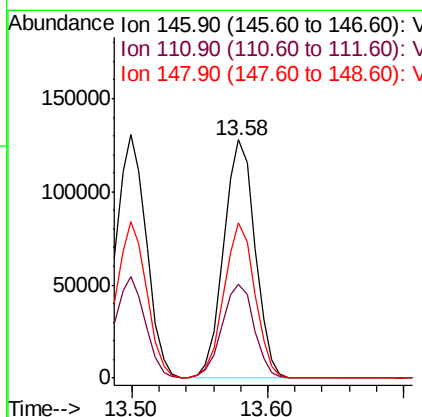
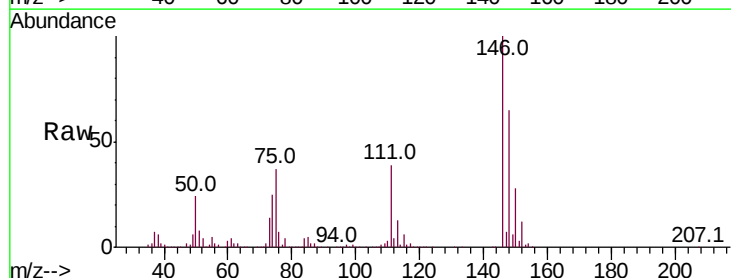
RT: 13.58 min Scan# 1915

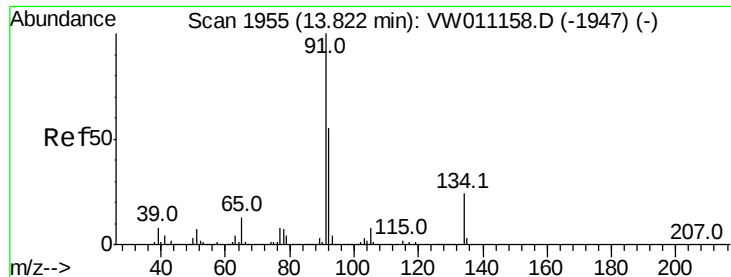
Delta R.T. 0.00 min

Lab File: VW011345.D

Acq: 18 Jul 2019 20:14

Tgt Ion:	146	Resp:	204841
Ion Ratio	Lower	Upper	
146	100		
111	40.3	19.9	59.7
148	64.3	31.5	94.5





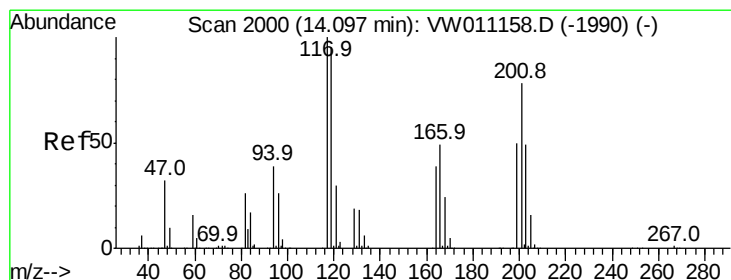
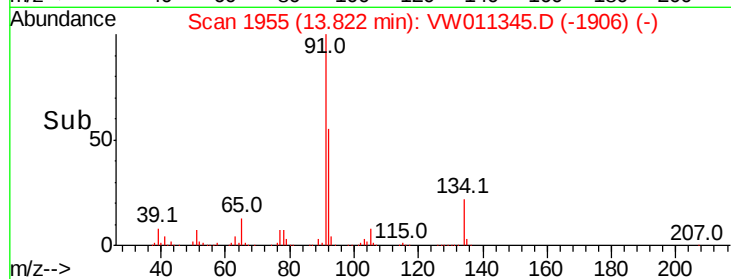
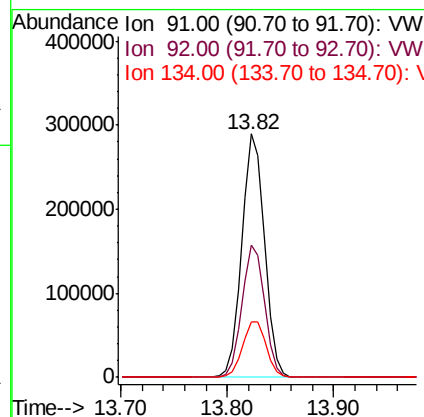
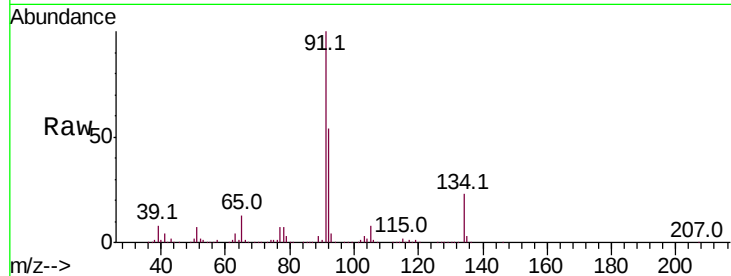
#89
n-Butylbenzene
Concen: 48.386 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW011345.D
Acq: 18 Jul 2019 20:14

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.2	26.9	80.7
134	23.9	12.2	36.4

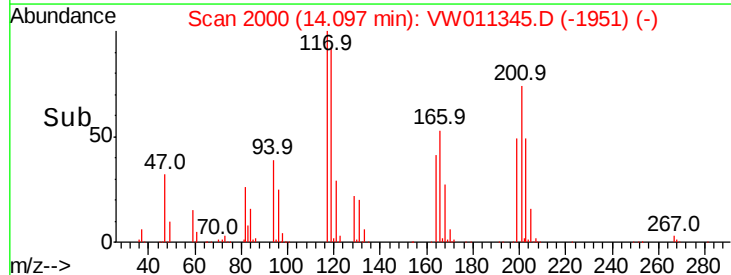
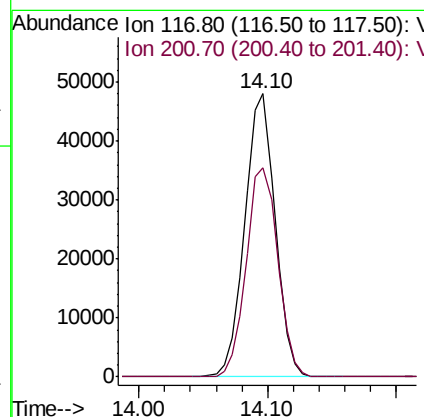
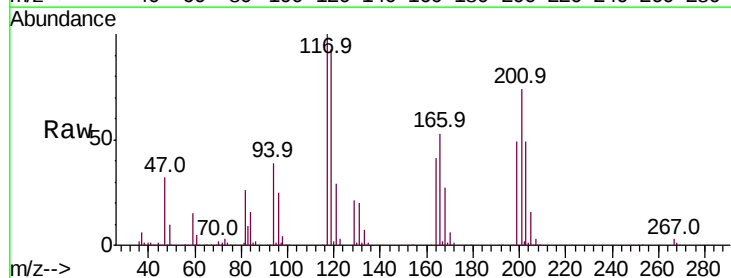
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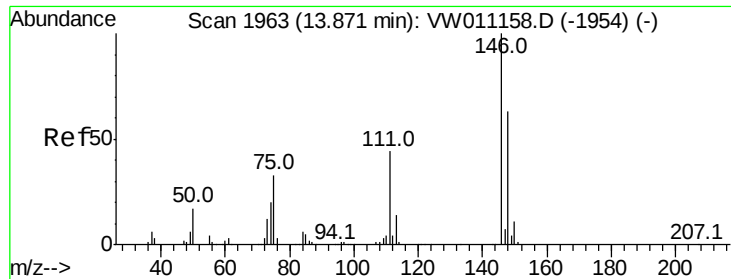
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#90
Hexachloroethane
Concen: 47.510 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW011345.D
Acq: 18 Jul 2019 20:14

Tgt Ion	Ratio	Lower	Upper
117	100		
201	77.1	38.3	114.8





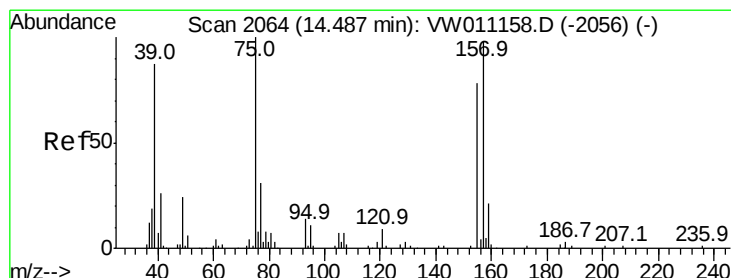
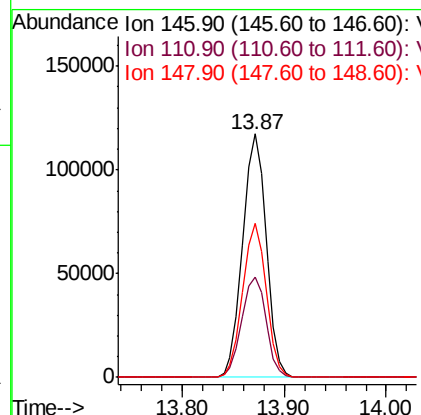
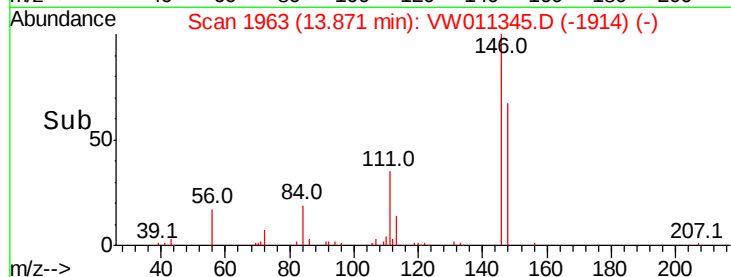
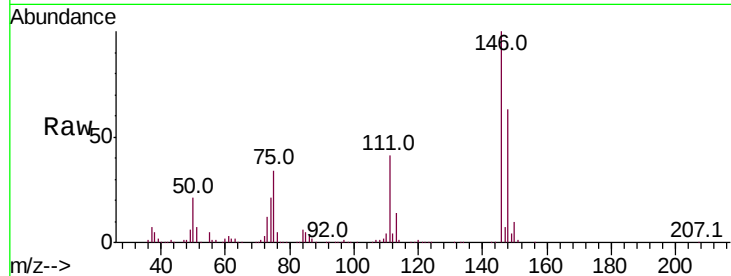
#91
 1,2-Dichlorobenzene
 Concen: 48.816 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW011345.D
 Acq: 18 Jul 2019 20:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.7	21.6	65.0
148	63.4	31.9	95.5

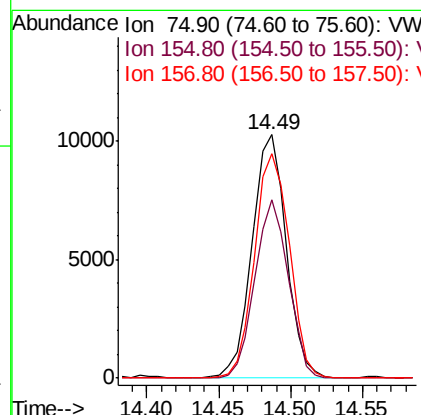
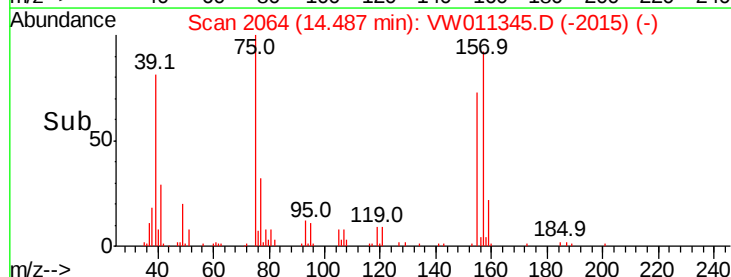
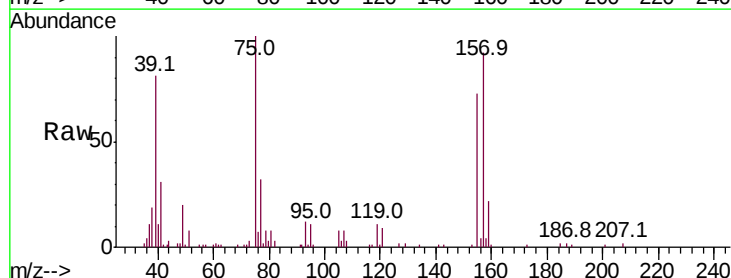
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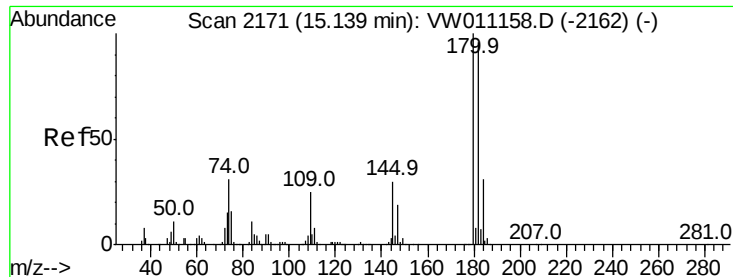
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 7/19/2019 9:51:10 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.268 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW011345.D
 Acq: 18 Jul 2019 20:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	71.7	37.1	111.3
157	94.0	48.5	145.6





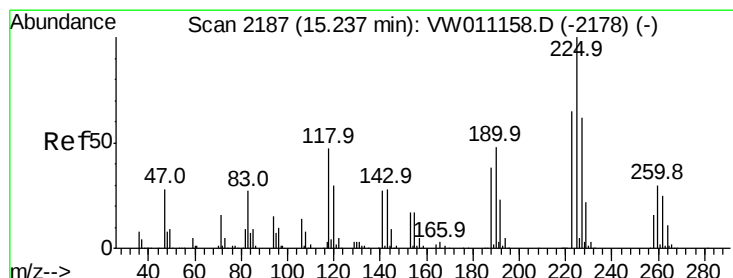
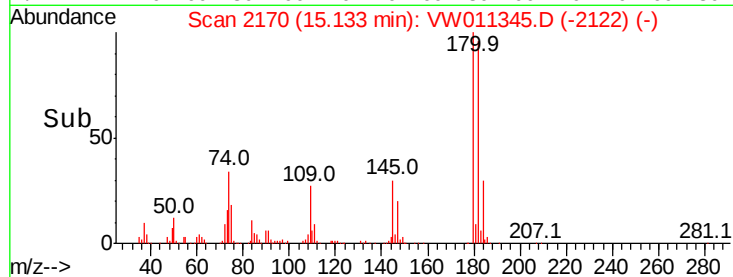
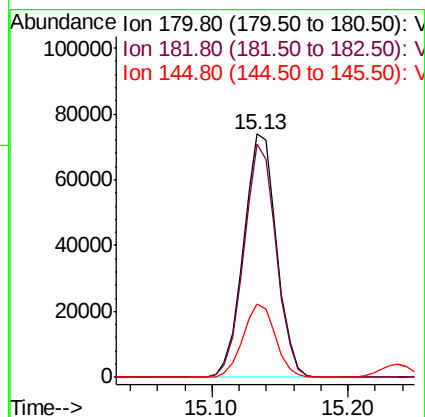
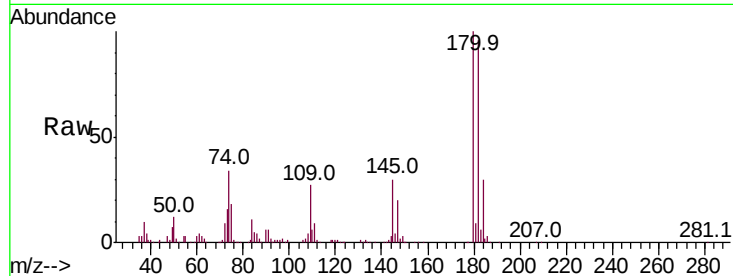
#93
 1,2,4-Trichlorobenzene
 Concen: 47.211 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.01 min
 Lab File: VW011345.D
 Acq: 18 Jul 2019 20:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	124794		
182	93.9	48.3	144.9	
145	29.7	15.5	46.5	

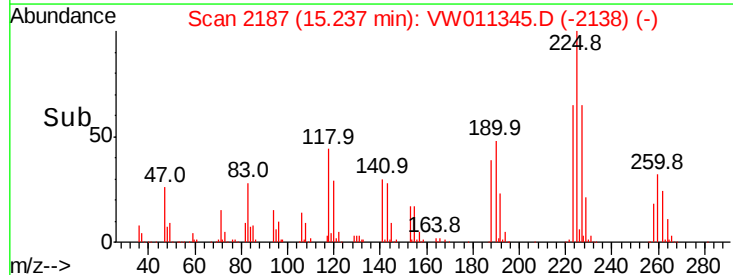
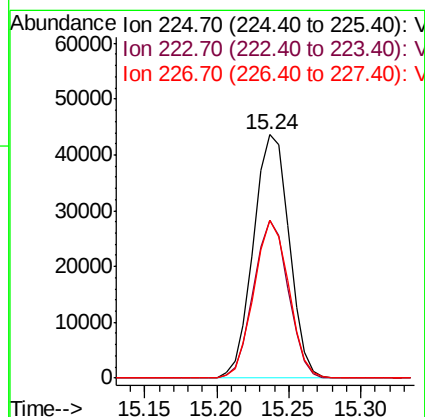
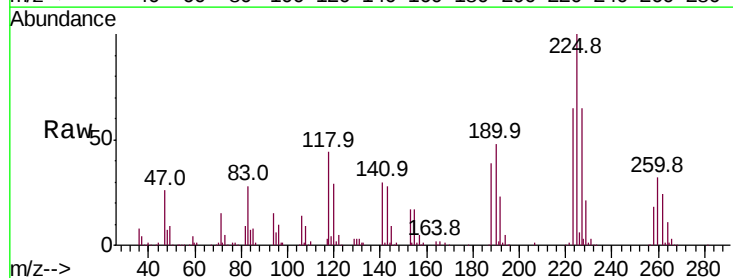
Manual Integrations
 APPROVED

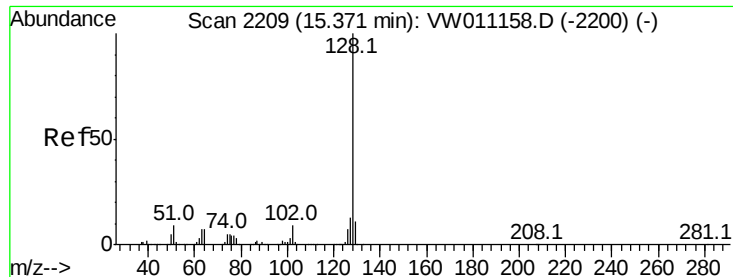
MMDadoda
 7/19/2019 9:51:10 AM



#94
 Hexachlorobutadiene
 Concen: 46.031 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW011345.D
 Acq: 18 Jul 2019 20:14

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	74701		
223	63.1	31.6	95.0	
227	63.1	32.0	96.0	





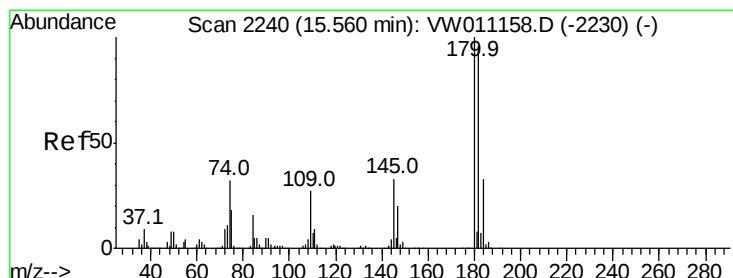
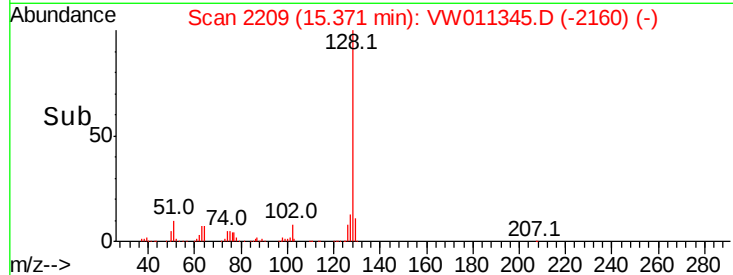
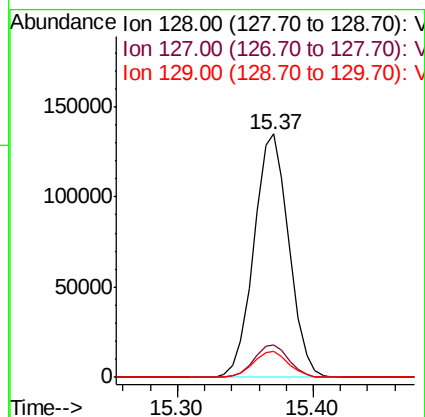
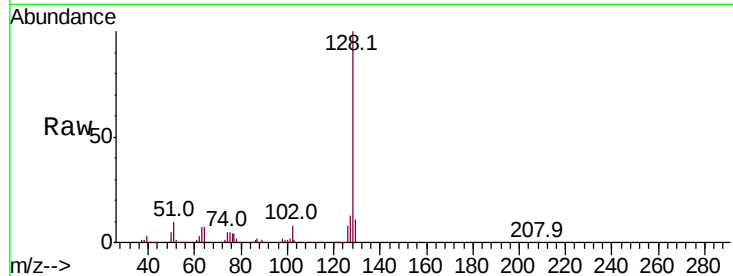
#95
Naphthalene
Concen: 47.799 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW011345.D
Acq: 18 Jul 2019 20:14

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:128	Resp:	242116
Ion Ratio	Lower	Upper
128 100		
127 13.3	10.6	16.0
129 11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
7/19/2019 9:51:10 AM



#96
1,2,3-Trichlorobenzene
Concen: 46.361 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW011345.D
Acq: 18 Jul 2019 20:14

Tgt Ion:180	Resp:	108153
Ion Ratio	Lower	Upper
180 100		
182 96.1	47.6	142.8
145 32.2	16.5	49.5

