

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081219\
 Data File : VW011819.D
 Acq On : 09 Aug 2019 19:08
 Operator : SY/VA
 Sample : VW0812SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0812SBSD01

Manual Integrations
 APPROVED

MMDadoda
 8/13/2019 2:44:13 PM

Quant Time: Aug 11 01:41:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	214871	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	349942	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	306868	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	150678	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	129969	52.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.36%	
35) Dibromofluoromethane	7.88	113	103767	52.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.72%	
50) Toluene-d8	10.32	98	416327	51.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.58%	
62) 4-Bromofluorobenzene	12.62	95	149866	52.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.60%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	29267	24.440 ug/l	98
3) Chloromethane	2.21	50	44393	21.379 ug/l	99
4) Vinyl Chloride	2.36	62	54816	21.927 ug/l	100
5) Bromomethane	2.77	94	27099	19.584 ug/l	97
6) Chloroethane	2.92	64	30365	21.264 ug/l	99
7) Trichlorofluoromethane	3.25	101	26383	23.614 ug/l	100
8) Diethyl Ether	3.68	74	26855	21.200 ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	46988	22.170 ug/l	100
10) Methyl Iodide	4.27	142	65347	21.818 ug/l	99
11) Tert butyl alcohol	5.19	59	16081	75.897 ug/l	99
12) 1,1-Dichloroethene	4.04	96	47783	21.353 ug/l	98
13) Acrolein	3.90	56	13211	74.623 ug/l	98
14) Allyl chloride	4.67	41	103912	21.832 ug/l	98
15) Acrylonitrile	5.37	53	65663	103.838 ug/l	99
16) Acetone	4.13	43	59373	75.649 ug/l	96
17) Carbon Disulfide	4.39	76	147123	21.006 ug/l	99
18) Methyl Acetate	4.67	43	37846	21.465 ug/l	100
19) Methyl tert-butyl Ether	5.42	73	77672	21.873 ug/l	98
20) Methylene Chloride	4.91	84	59112	21.838 ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	53286	22.087 ug/l	94
22) Diisopropyl ether	6.31	45	199559	22.239 ug/l	99
23) Vinyl Acetate	6.25	43	596601	105.807 ug/l	99
24) 1,1-Dichloroethane	6.21	63	105579	21.969 ug/l	98
25) 2-Butanone	7.17	43	91378	88.976 ug/l	100
26) 2,2-Dichloropropane	7.17	77	56939	19.265 ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	57402	21.618 ug/l	99
28) Bromochloromethane	7.51	49	47545	22.288 ug/l	100
29) Tetrahydrofuran	7.53	42	59343	101.089 ug/l	99
30) Chloroform	7.67	83	98289	22.168 ug/l	95
31) Cyclohexane	7.95	56	101683	22.041 ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	75539	22.371 ug/l	98
36) 1,1-Dichloropropene	8.08	75	80338	22.078 ug/l	99
37) Ethyl Acetate	7.26	43	43376	20.720 ug/l	99
38) Carbon Tetrachloride	8.07	117	69563	22.331 ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	87838	21.923	ug/l	99
40) Benzene	8.32	78	223157	21.895	ug/l	100
41) Methacrylonitrile	7.48	41	24404	19.501	ug/l	96
42) 1,2-Dichloroethane	8.40	62	71588	22.434	ug/l	99
43) Isopropyl Acetate	8.42	43	78802	20.468	ug/l	98
44) Trichloroethene	9.09	130	53096	21.674	ug/l	99
45) 1,2-Dichloropropane	9.37	63	59426	21.791	ug/l	97
46) Dibromomethane	9.46	93	27217	21.866	ug/l	99
47) Bromodichloromethane	9.65	83	70661	21.642	ug/l	96
48) Methyl methacrylate	9.44	41	38710	20.931	ug/l	100
49) 1,4-Dioxane	9.46	88	7339	407.209	ug/l #	77
51) 4-Methyl-2-Pentanone	10.21	43	205097	102.415	ug/l	99
52) Toluene	10.39	92	136449	22.168	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	71319	20.910	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	86983	21.449	ug/l	94
55) 1,1,2-Trichloroethane	10.79	97	38055	21.548	ug/l	98
56) Ethyl methacrylate	10.65	69	54063	20.920	ug/l	99
57) 1,3-Dichloropropane	10.93	76	73064	21.867	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	134706	114.801	ug/l	100
59) 2-Hexanone	10.97	43	137523	97.260	ug/l	99
60) Dibromochloromethane	11.13	129	42409	21.633	ug/l	98
61) 1,2-Dibromoethane	11.24	107	35508	21.246	ug/l	100
64) Tetrachloroethene	10.86	164	43057	21.550	ug/l	97
65) Chlorobenzene	11.66	112	135110	21.900	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	46827	21.790	ug/l	98
67) Ethyl Benzene	11.73	91	259208	22.060	ug/l	100
68) m/p-Xylenes	11.84	106	188991	44.228	ug/l	100
69) o-Xylene	12.16	106	86611	21.812	ug/l	97
70) Styrene	12.18	104	152122	22.157	ug/l	99
71) Bromoform	12.35	173	23034	21.022	ug/l #	96
73) Isopropylbenzene	12.46	105	242805	21.600	ug/l	99
74) N-amyl acetate	12.27	43	72010	20.462	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	45606	21.569	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	30834m	19.340	ug/l	
77) Bromobenzene	12.74	156	53677	21.604	ug/l	99
78) n-propylbenzene	12.80	91	300288	21.950	ug/l	99
79) 2-Chlorotoluene	12.89	91	172535	21.892	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	207153	21.984	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	14075	20.346	ug/l	97
82) 4-Chlorotoluene	12.99	91	183450	22.185	ug/l	98
83) tert-Butylbenzene	13.21	119	173121	21.971	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	209529	22.074	ug/l	98
85) sec-Butylbenzene	13.38	105	249661	22.205	ug/l	99
86) p-Isopropyltoluene	13.50	119	220627	21.628	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	104727	21.497	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	103806	21.420	ug/l	99
89) n-Butylbenzene	13.82	91	219872	21.598	ug/l	99
90) Hexachloroethane	14.09	117	38721	21.466	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	91871	21.322	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7406	20.540	ug/l	98

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Quant Title : SW846 8260
QLast Update : Sat Jul 27 00:23:30 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	64820	21.345	ug/l	98
94) Hexachlorobutadiene	15.24	225	42146	22.255	ug/l	97
95) Naphthalene	15.36	128	111367	20.014	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	55779	20.955	ug/l	98

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

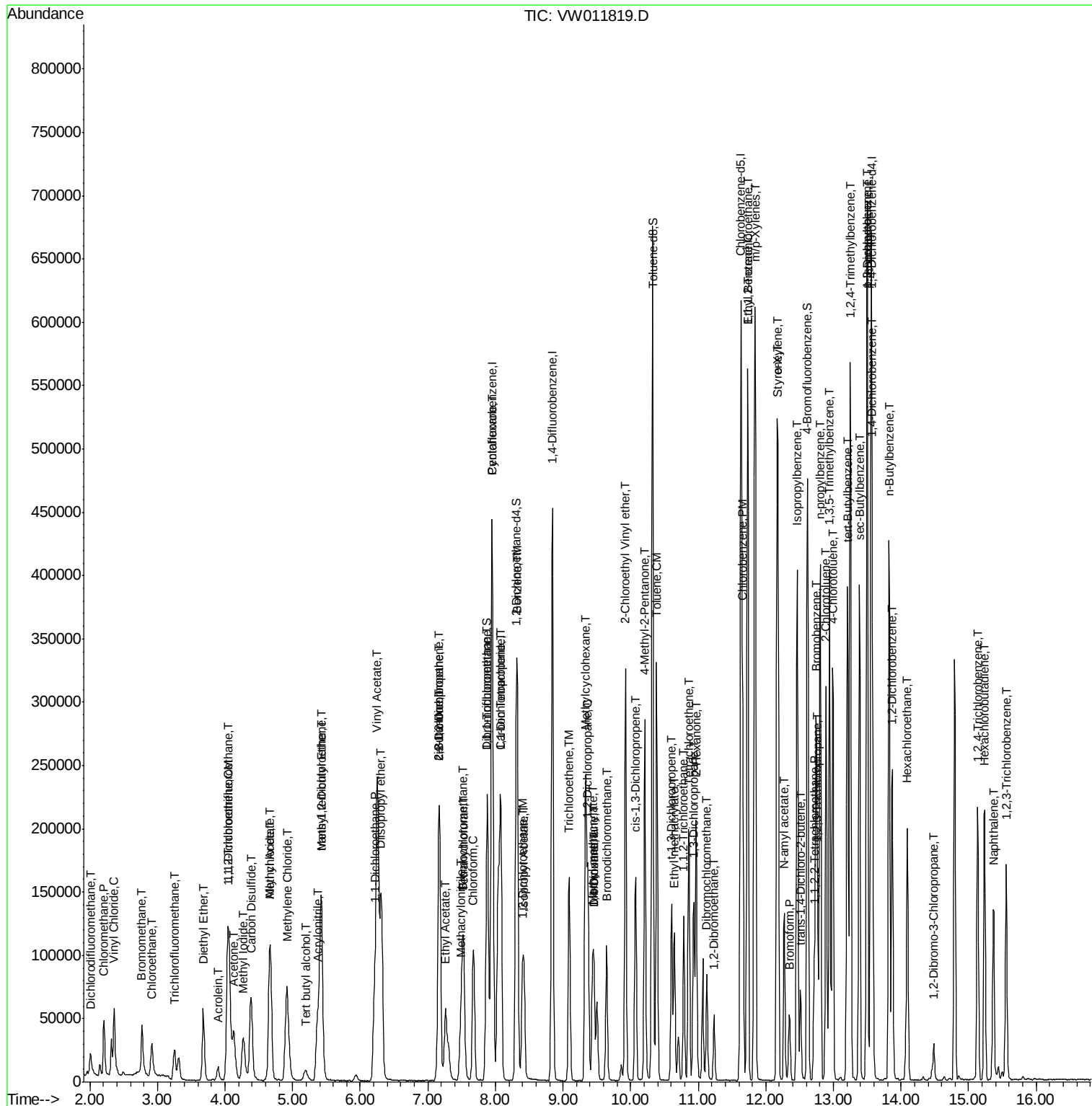
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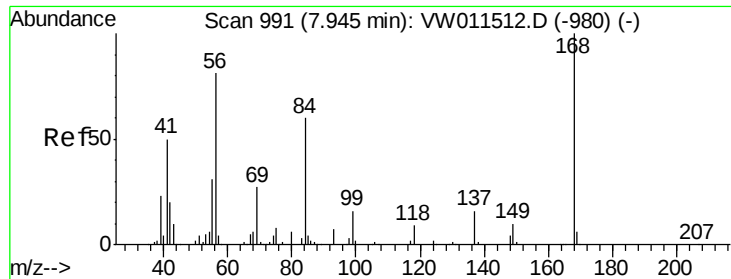
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW011819.D

Acq: 09 Aug 2019 19:08

Instrument :

MSVOA_W

ClientSampleId :

VW0812SBSD01

Tot Ion:168 Resp: 214871

Ion Ratio Lower Upper

168 100

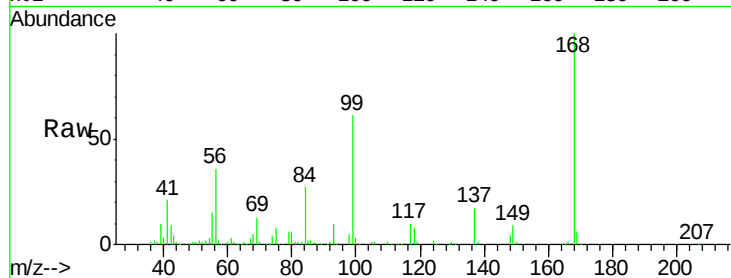
99 60.8 48.2 72.4

Manual Integrations

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8/13/2019 2:44:13 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

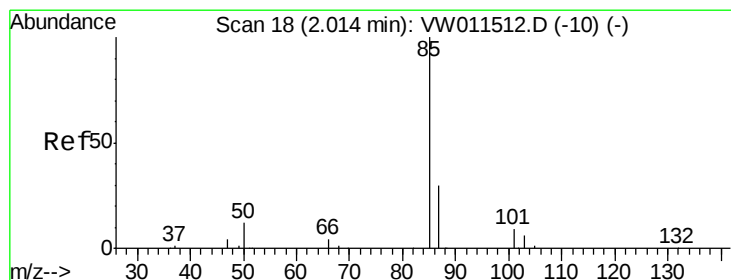
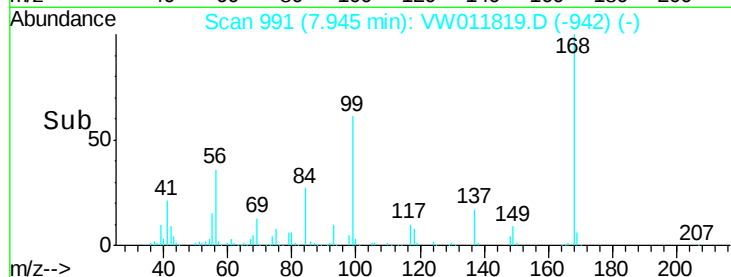
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 24.440 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW011819.D

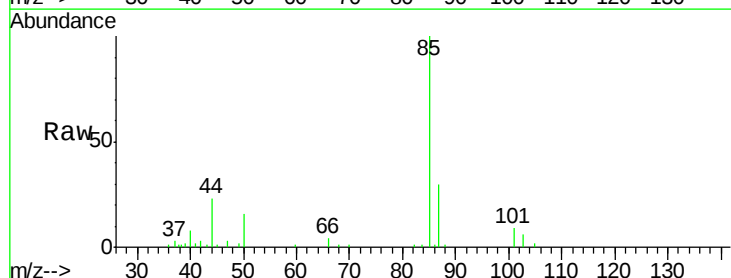
Acq: 09 Aug 2019 19:08

Tgt Ion: 85 Resp: 29267

Ion Ratio Lower Upper

85 100

87 29.5 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

12000

10000

8000

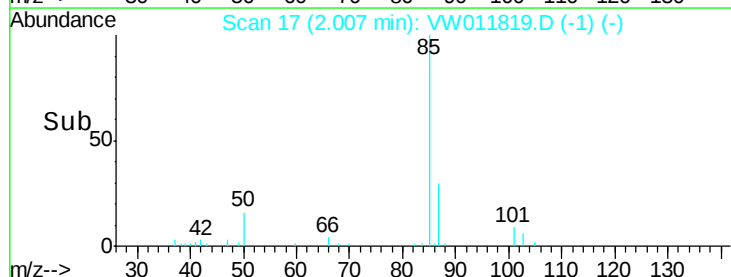
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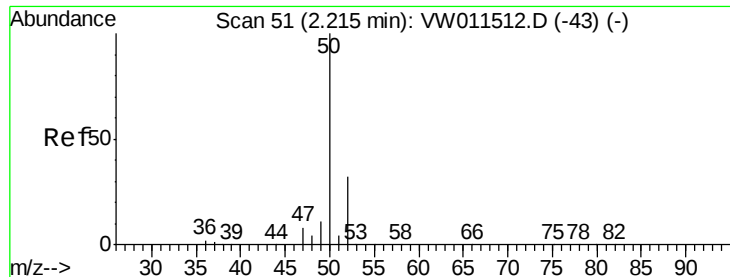
4000

2000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 21.379 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW011819.D

Acq: 09 Aug 2019 19:08

Instrument :

MSVOA_W

ClientSampleId :

VW0812SBSD01

Tot Ion: 50 Resp: 44393

Ion Ratio Lower Upper

50 100

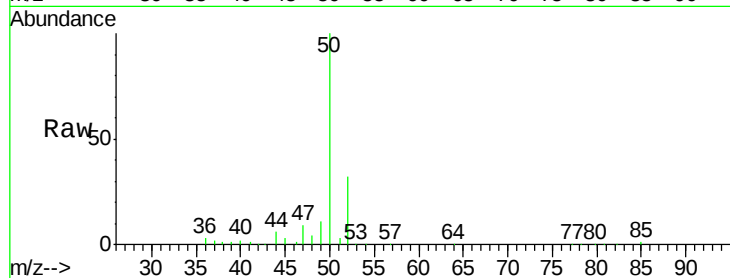
52 32.5 25.4 38.2

Manual Integrations

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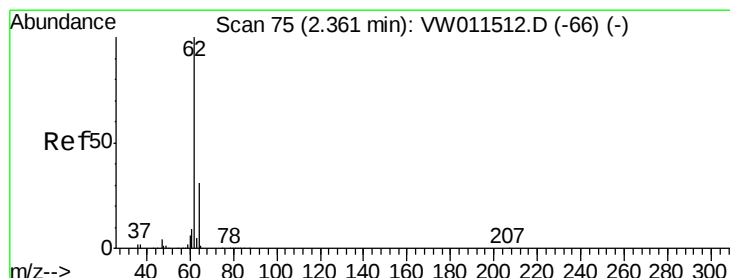
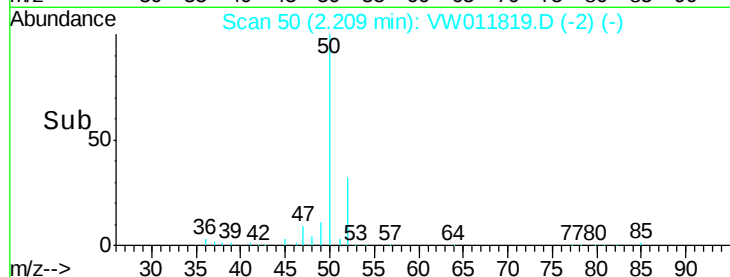
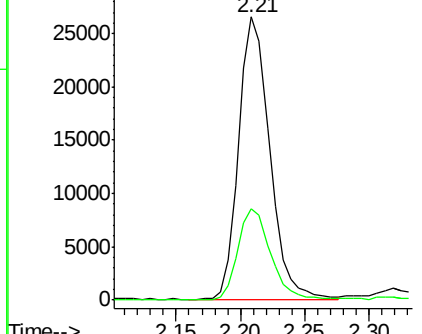
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Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 21.927 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW011819.D

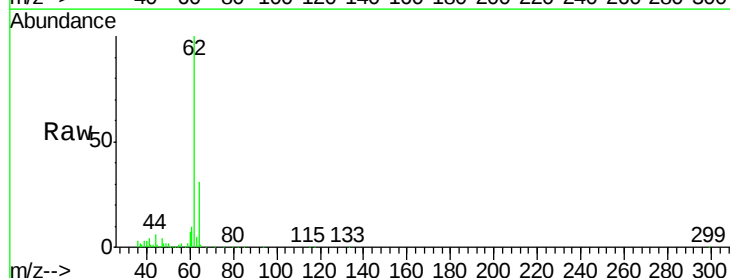
Acq: 09 Aug 2019 19:08

Tgt Ion: 62 Resp: 54816

Ion Ratio Lower Upper

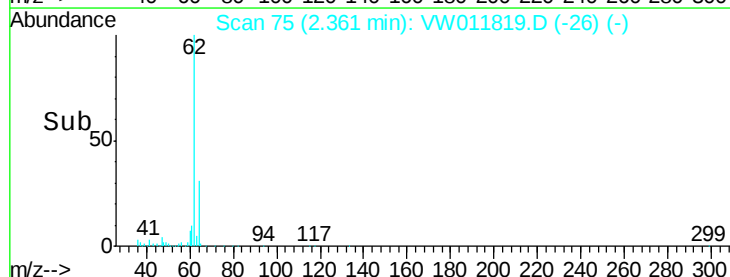
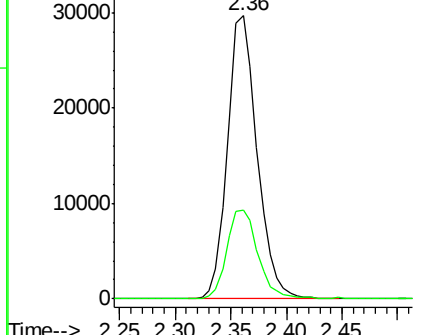
62 100

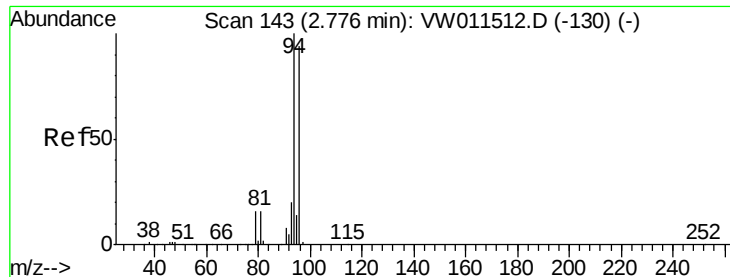
64 31.3 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 19.584 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW011819.D

Acq: 09 Aug 2019 19:08

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Tot Ion: 94 Resp: 27099

Ion Ratio Lower Upper

94 100

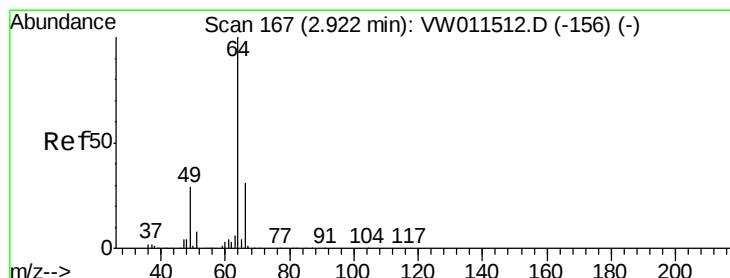
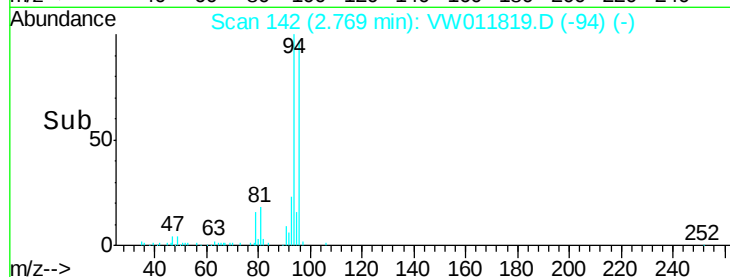
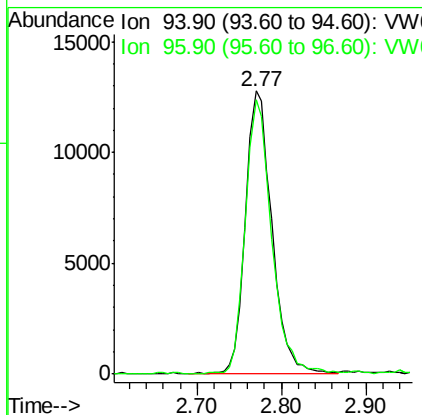
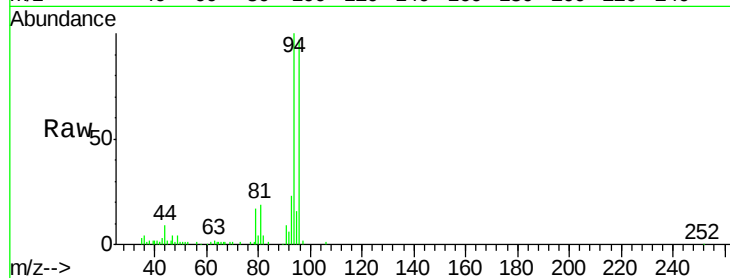
96 96.9 75.0 112.6

Manual Integrations

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#6

Chloroethane

Concen: 21.264 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW011819.D

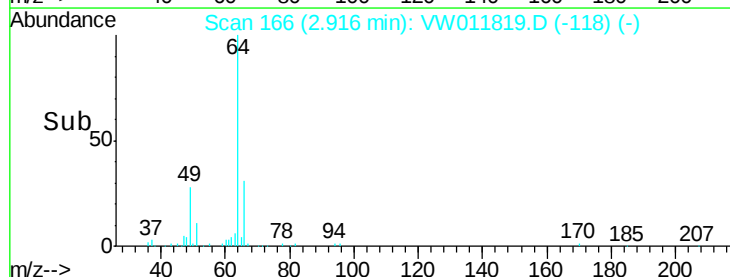
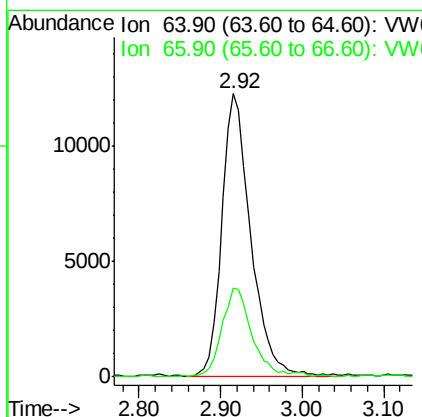
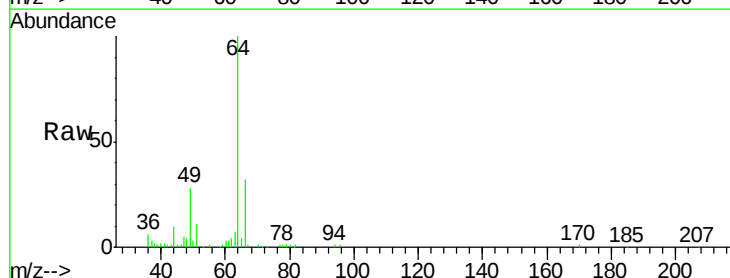
Acq: 09 Aug 2019 19:08

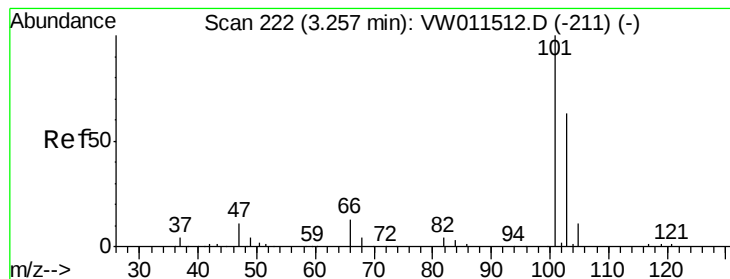
Tgt Ion: 64 Resp: 30365

Ion Ratio Lower Upper

64 100

66 31.5 24.6 36.8





#7

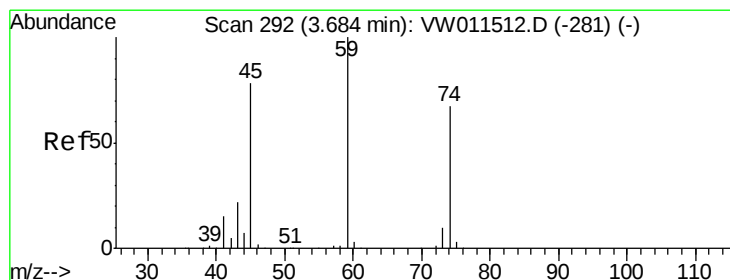
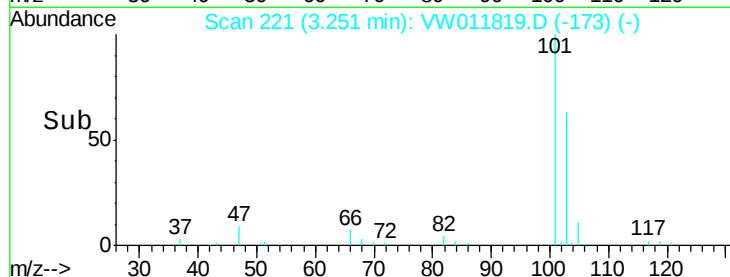
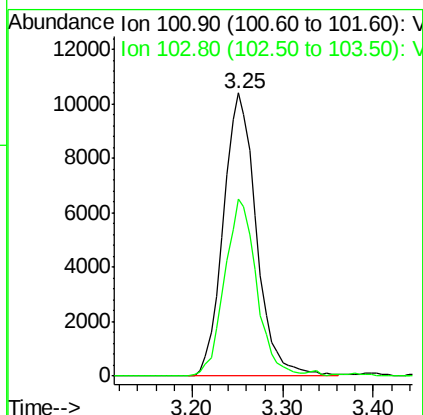
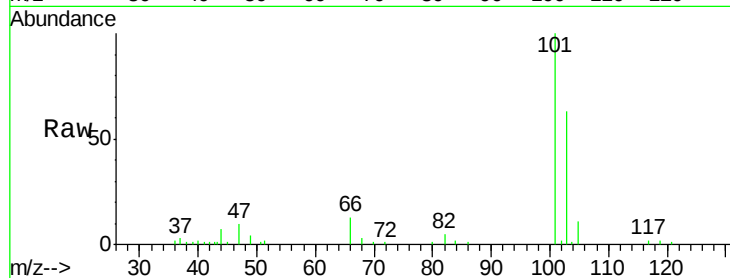
Trichlorofluoromethane
 Concen: 23.614 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW011819.D
 Acq: 09 Aug 2019 19:08

Instrument :
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 ClientSampleId :
 VW0812SBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.6	50.2	75.4

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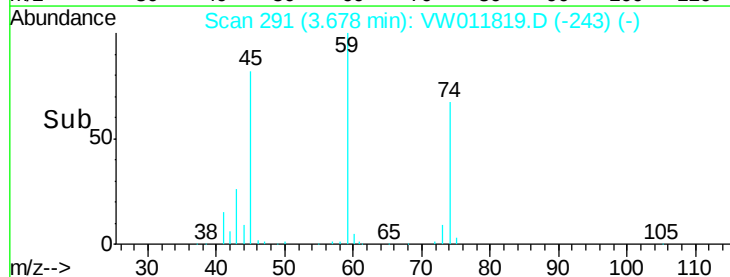
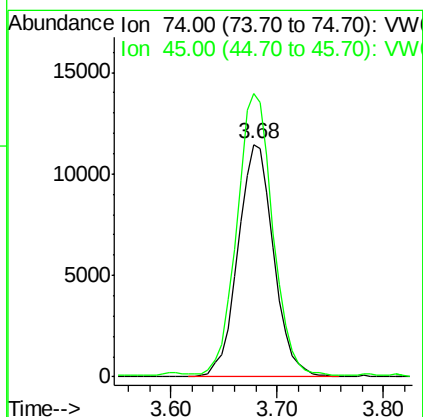
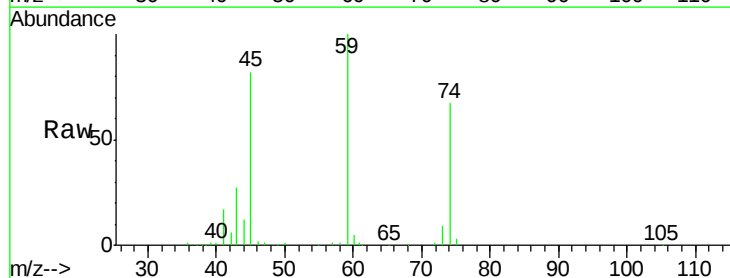
MMDadoda
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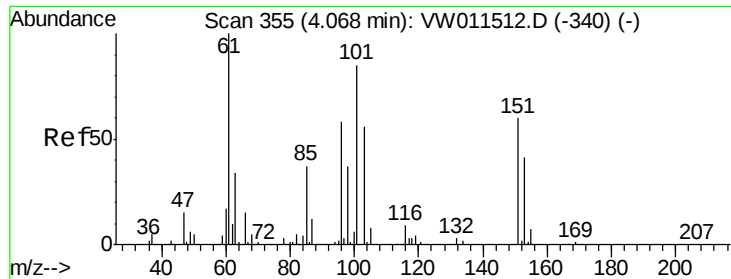


#8

Diethyl Ether
 Concen: 21.200 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW011819.D
 Acq: 09 Aug 2019 19:08

Tgt Ion	Ratio	Lower	Upper
74	100		
45	123.2	59.6	178.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.170 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW011819.D

Acq: 09 Aug 2019 19:08

Instrument :

MSVOA_W

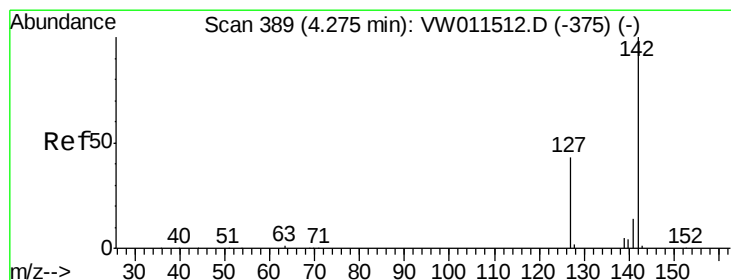
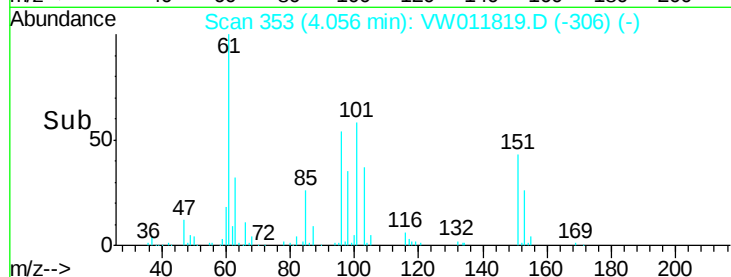
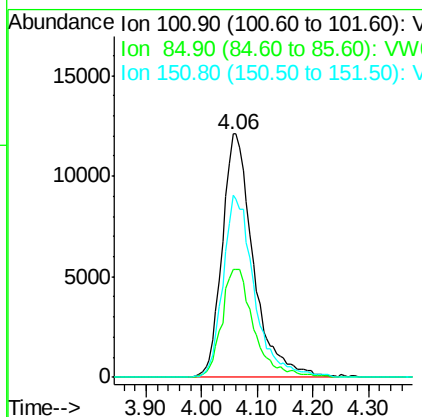
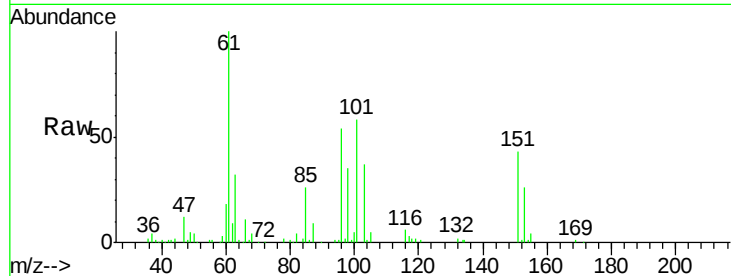
ClientSampleId :

VW0812SBSD01

Tot Ion:	101	Resp:	46988
Ion Ratio	Lower	Upper	
101	100		
85	45.8	36.6	54.8
151	74.8	60.2	90.2

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#10

Methyl Iodide

Concen: 21.818 ug/l

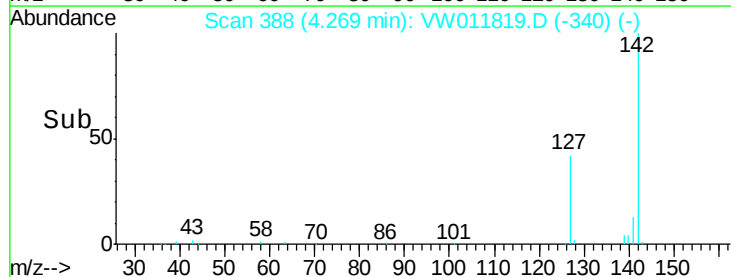
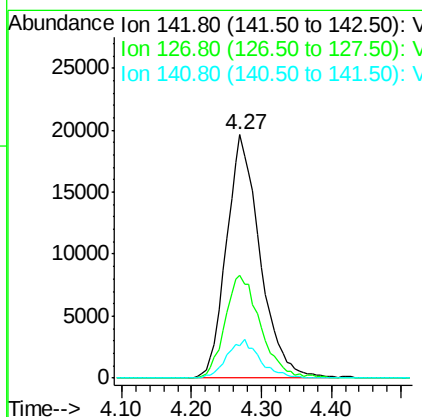
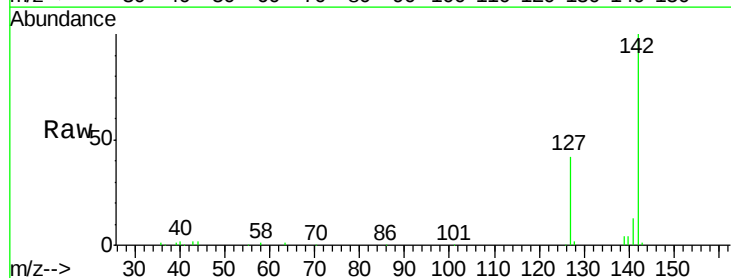
RT: 4.27 min Scan# 388

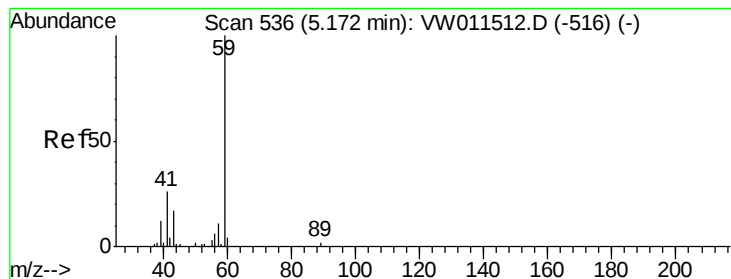
Delta R.T. -0.01 min

Lab File: VW011819.D

Acq: 09 Aug 2019 19:08

Tgt Ion:	142	Resp:	65347
Ion Ratio	Lower	Upper	
142	100		
127	44.8	35.0	52.6
141	15.4	11.9	17.9





#11

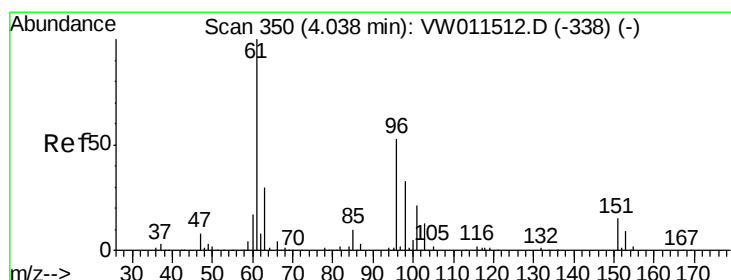
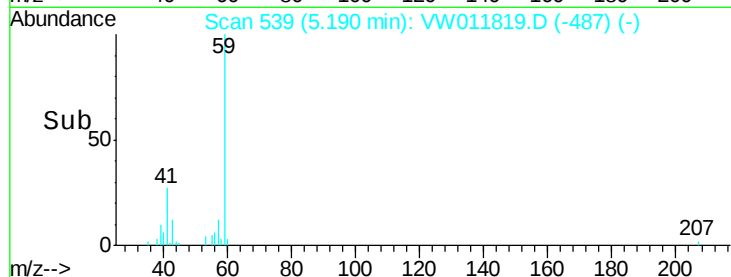
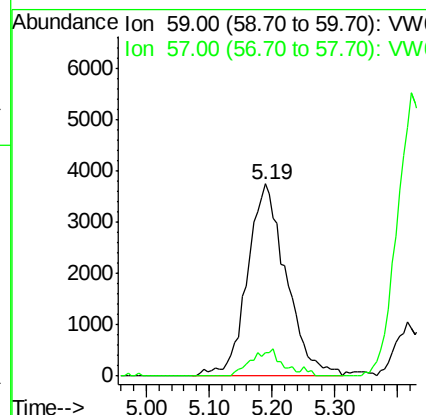
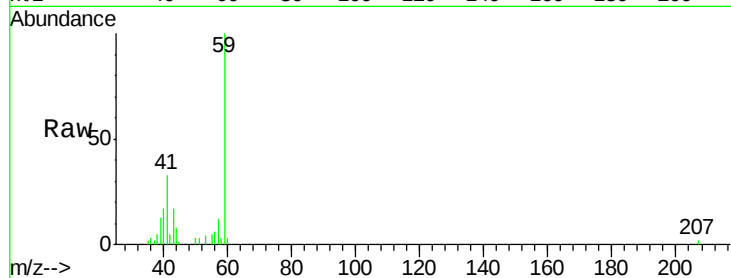
Tert butyl alcohol
Concen: 75.897 ug/l
RT: 5.19 min Scan# 539
Delta R.T. 0.02 min
Lab File: VW011819.D
Acq: 09 Aug 2019 19:08

Instrument :
MSVOA_W
ClientSampleId :
VW0812SBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	100		16081		
57	11.1		8.5	12.7	

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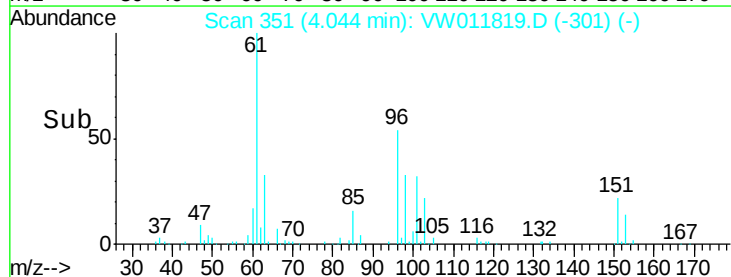
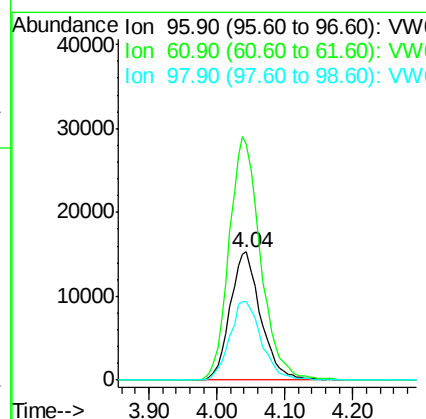
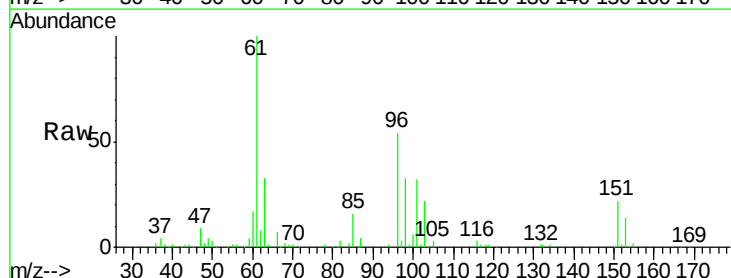
MMDadoda
8/13/2019 2:44:13 PM

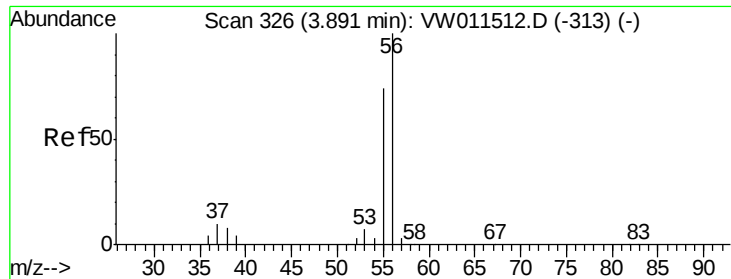


#12

1,1-Dichloroethene
Concen: 21.353 ug/l
RT: 4.04 min Scan# 351
Delta R.T. 0.01 min
Lab File: VW011819.D
Acq: 09 Aug 2019 19:08

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	100		47783		
61	184.4		149.9	224.9	
98	61.7		49.1	73.7	





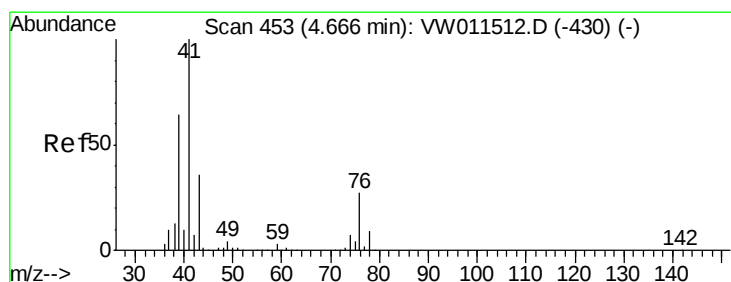
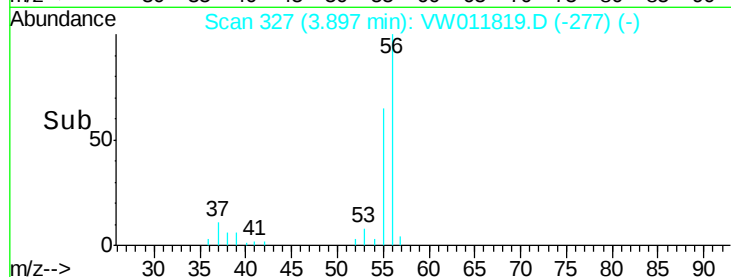
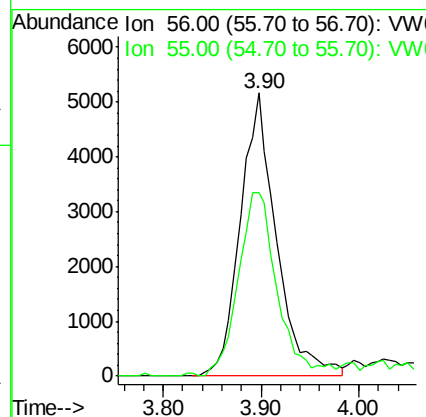
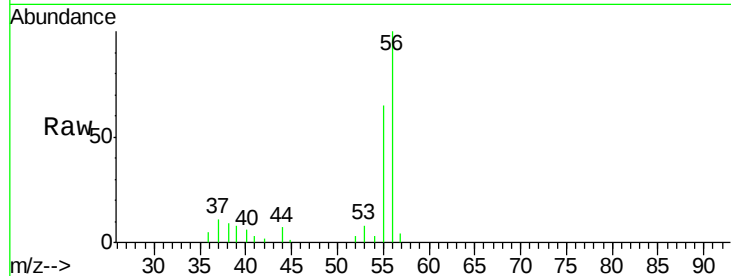
#13
Acrolein
Concen: 74.623 ug/l
RT: 3.90 min Scan# 327
Delta R.T. 0.01 min
Lab File: VW011819.D
Acq: 09 Aug 2019 19:08

Instrument :
MSVOA_W
ClientSampleId :
VW0812SBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
55	68.7	56.0	84.0

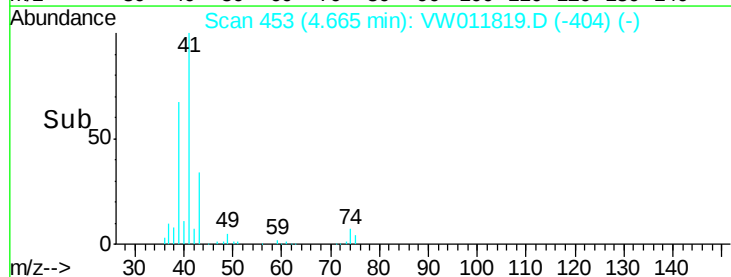
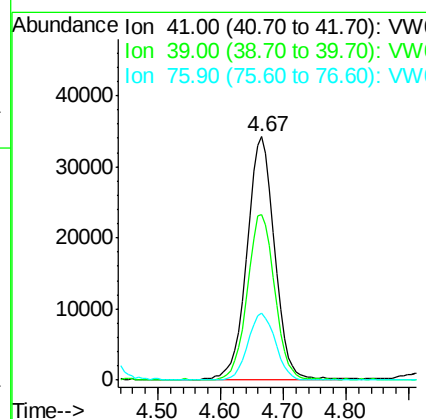
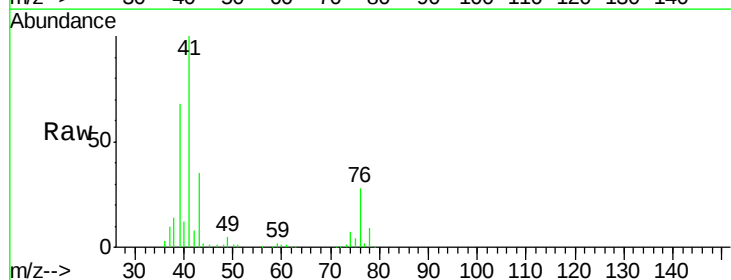
Manual Integrations
APPROVED

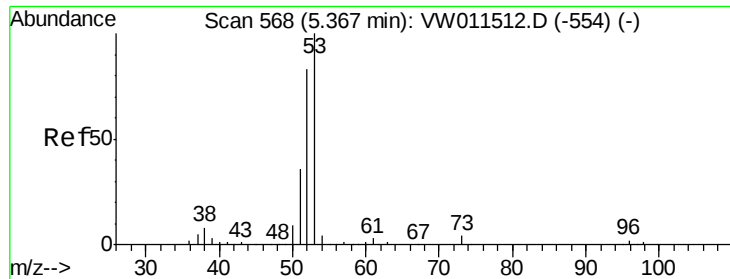
MMDadoda
8/13/2019 2:44:13 PM



#14
Allyl chloride
Concen: 21.832 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW011819.D
Acq: 09 Aug 2019 19:08

Tgt Ion	Ratio	Lower	Upper
41	100		
39	68.2	52.6	78.8
76	27.4	22.0	33.0





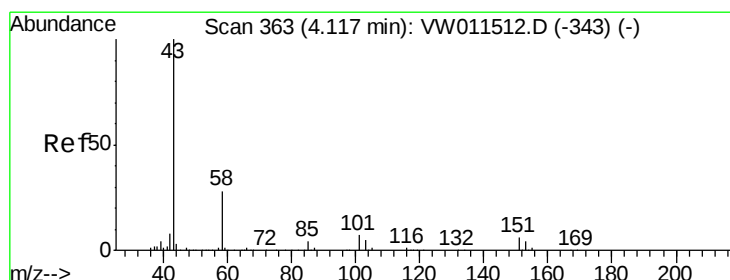
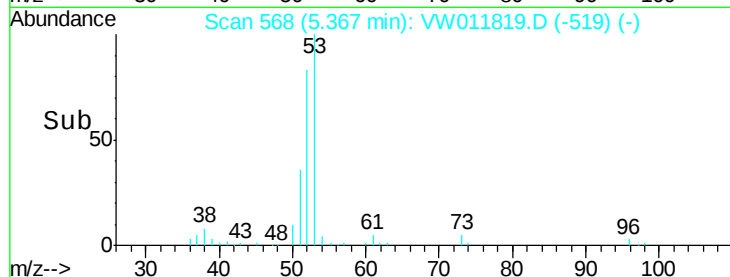
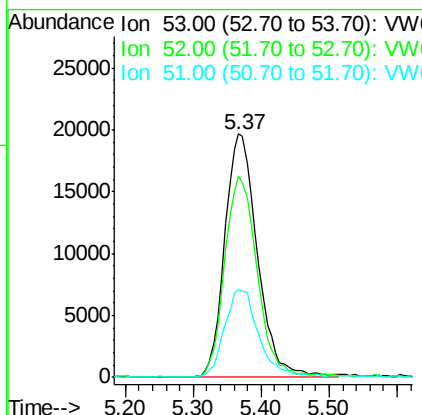
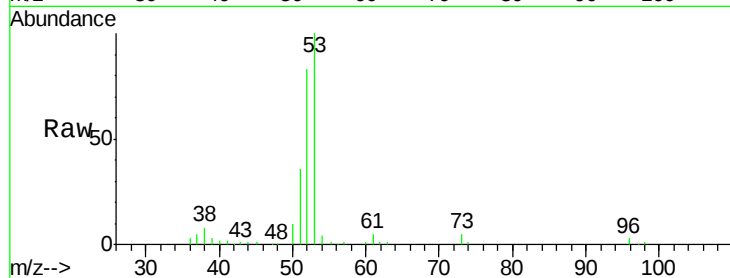
#15
 Acrylonitrile
 Concen: 103.838 ug/l
 RT: 5.37 min Scan# 568
 Delta R.T. -0.00 min
 Lab File: VW011819.D
 Acq: 09 Aug 2019 19:08

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0812SBSD01

Tot Ion:	53	Resp:	65663
Ion	Ratio	Lower	Upper
53	100		
52	82.1	67.2	100.8
51	37.4	30.0	45.0

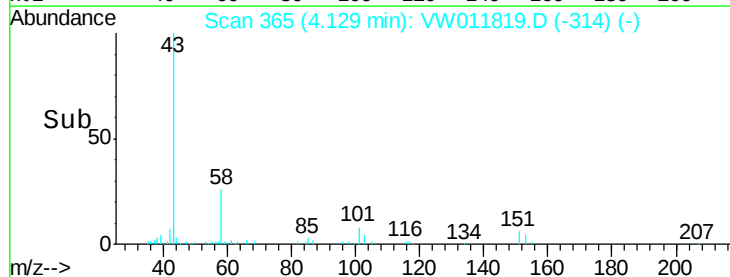
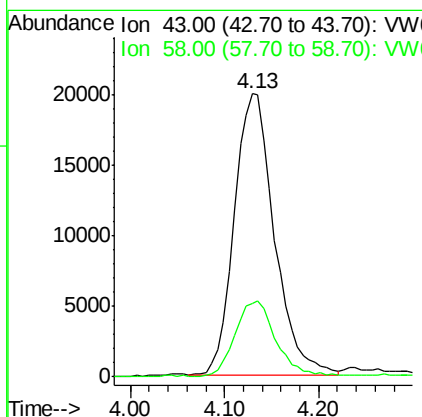
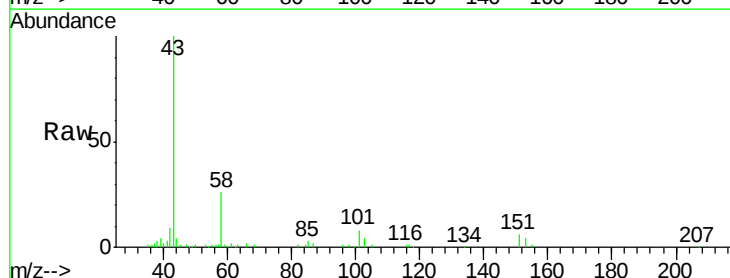
Manual Integrations
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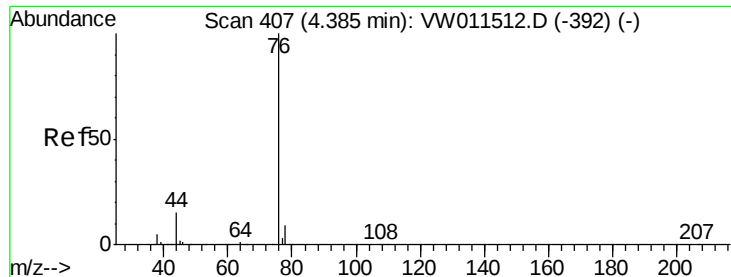
MMDadoda
 8/13/2019 2:44:13 PM



#16
 Acetone
 Concen: 75.649 ug/l
 RT: 4.13 min Scan# 365
 Delta R.T. 0.01 min
 Lab File: VW011819.D
 Acq: 09 Aug 2019 19:08

Tgt Ion:	43	Resp:	59373
Ion	Ratio	Lower	Upper
43	100		
58	25.9	22.3	33.5





#17

Carbon Disulfide

Concen: 21.006 ug/l

RT: 4.39 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW011819.D

Acq: 09 Aug 2019 19:08

Instrument :

MSVOA_W

ClientSampleId :

VW0812SBSD01

Tot Ion: 76 Resp: 147123

Ion Ratio Lower Upper

76 100

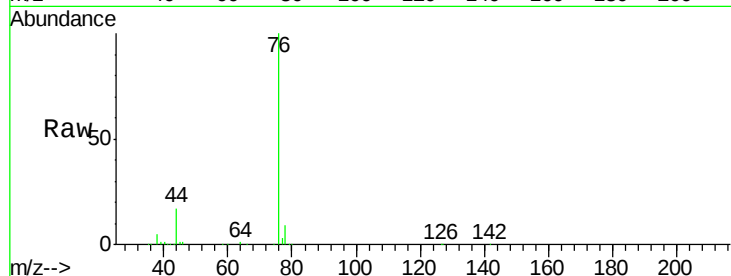
78 9.2 7.1 10.7

Manual Integrations

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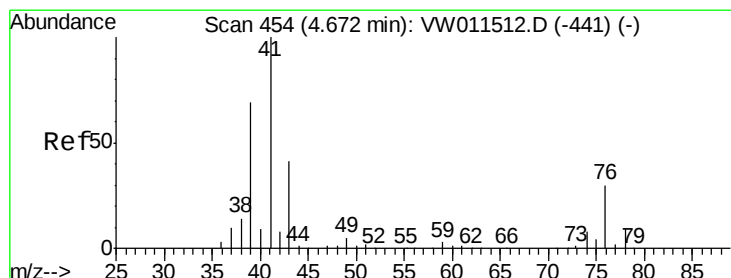
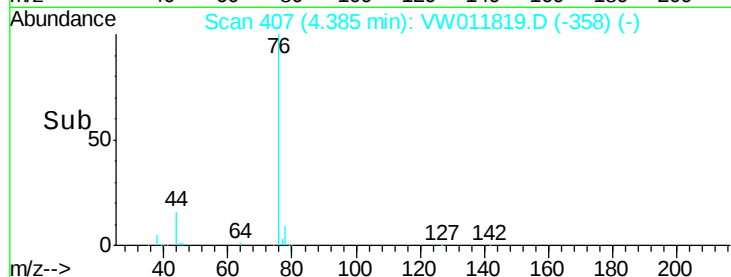
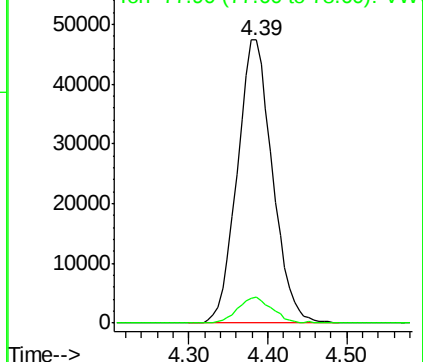
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 21.465 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.00 min

Lab File: VW011819.D

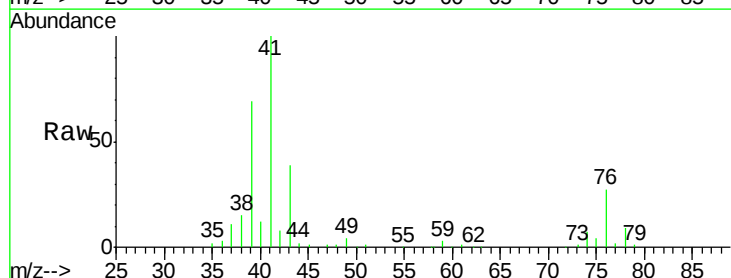
Acq: 09 Aug 2019 19:08

Tgt Ion: 43 Resp: 37846

Ion Ratio Lower Upper

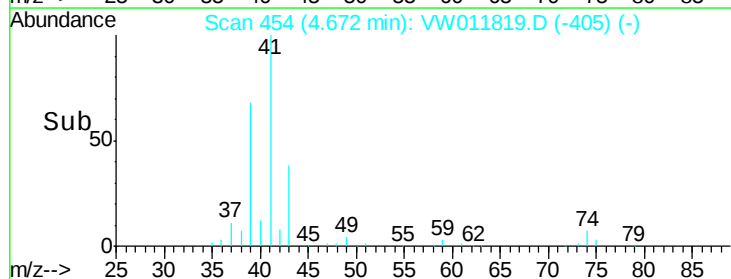
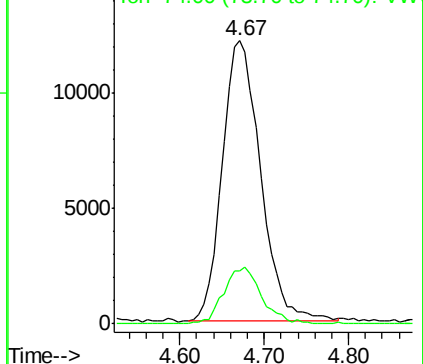
43 100

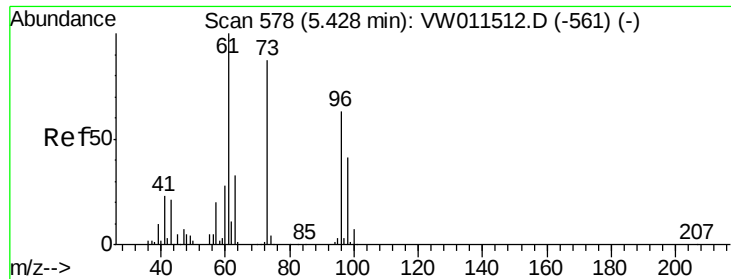
74 19.8 15.9 23.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW





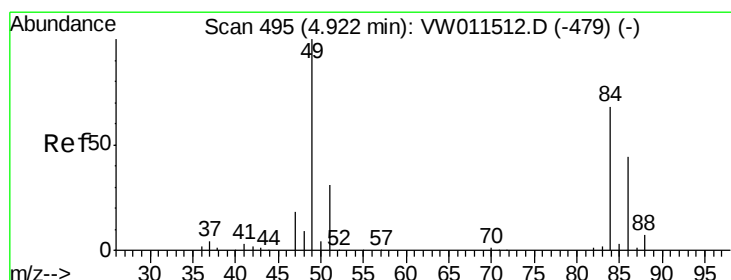
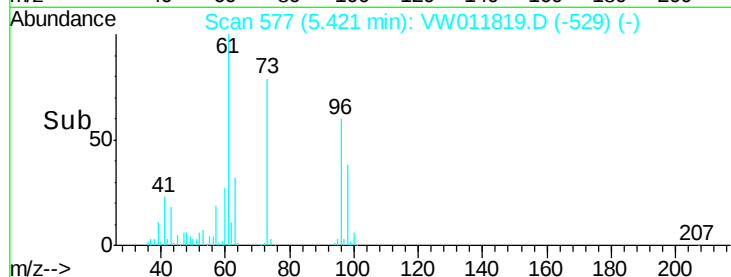
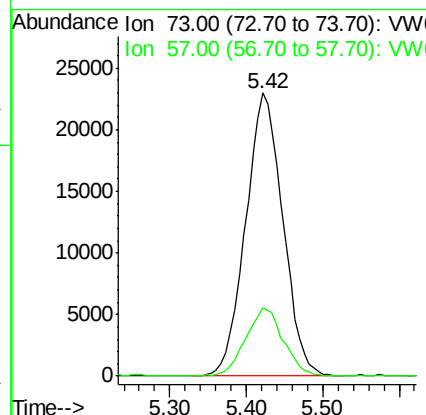
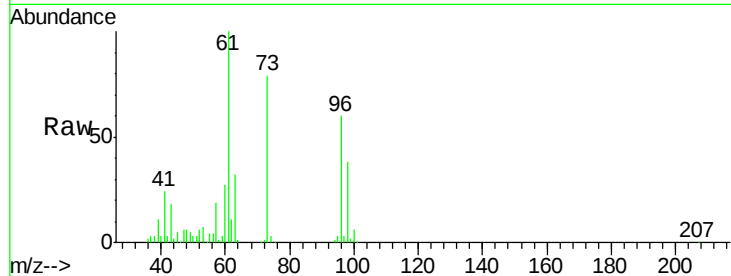
#19
Methyl tert-butyl Ether
Concen: 21.873 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW011819.D
Acq: 09 Aug 2019 19:08

Instrument :
MSVOA_W
ClientSampleId :
VW0812SBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.1	18.4	27.6

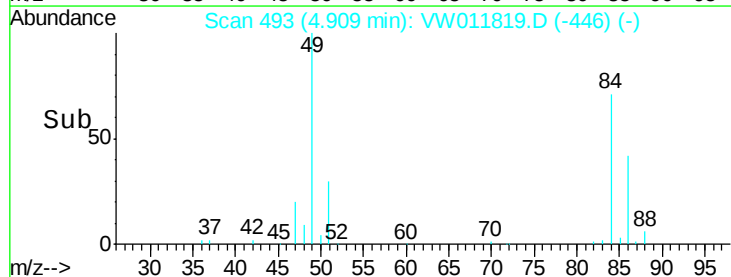
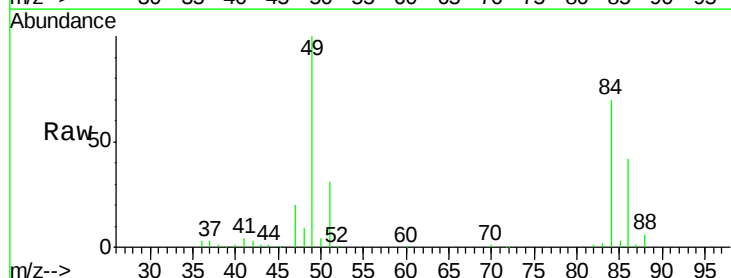
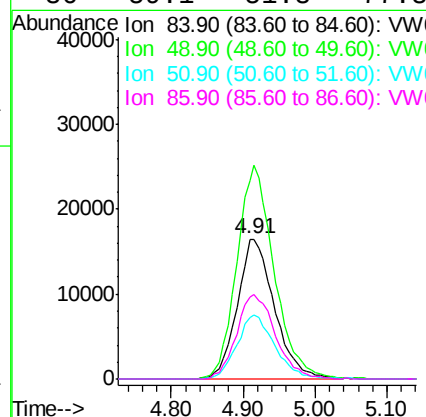
Manual Integrations
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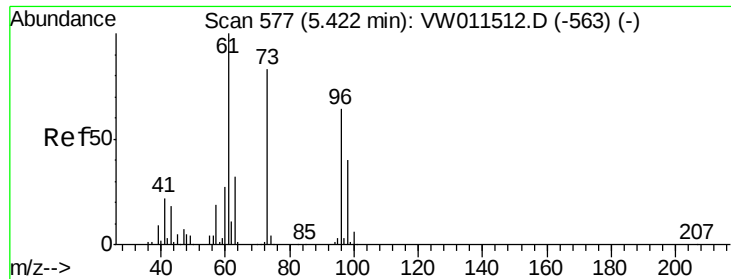
MMDadoda
8/13/2019 2:44:13 PM



#20
Methylene Chloride
Concen: 21.838 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW011819.D
Acq: 09 Aug 2019 19:08

Tgt Ion	Ratio	Lower	Upper
84	100		
49	142.0	117.8	176.6
51	43.8	37.0	55.4
86	59.1	51.8	77.8





#21

trans-1,2-Dichloroethene

Concen: 22.087 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW011819.D

Acq: 09 Aug 2019 19:08

Instrument :

MSVOA_W

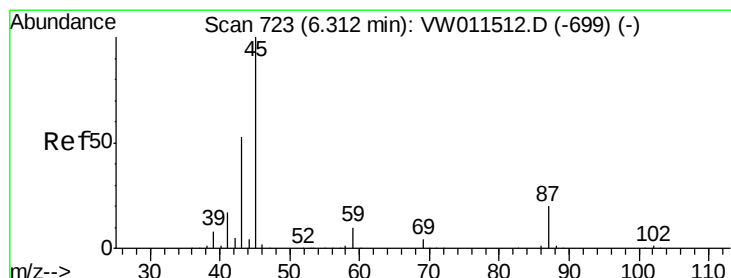
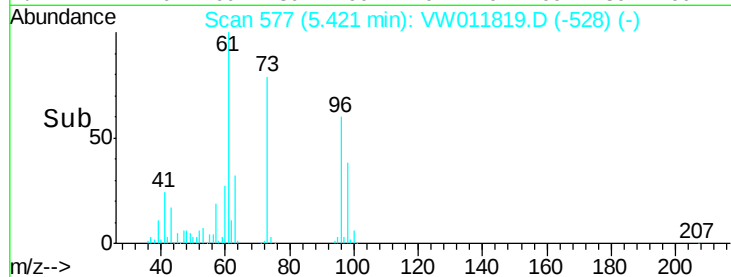
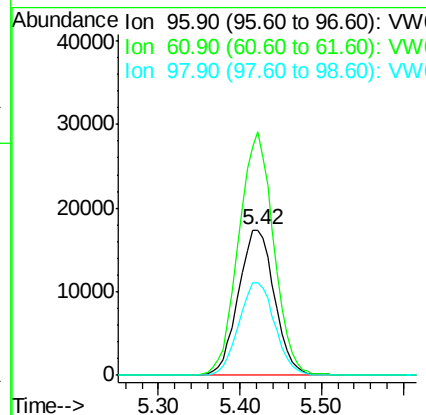
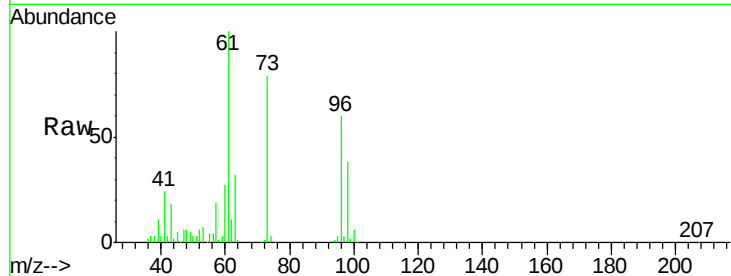
ClientSampleId :

VW0812SBSD01

Tot Ion:	96	Resp:	53286
Ion	Ratio	Lower	Upper
96	100		
61	167.4	125.7	188.5
98	63.3	50.3	75.5

Manual Integrations
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MMDadoda
8/13/2019 2:44:13 PM



#22

Diisopropyl ether

Concen: 22.239 ug/l

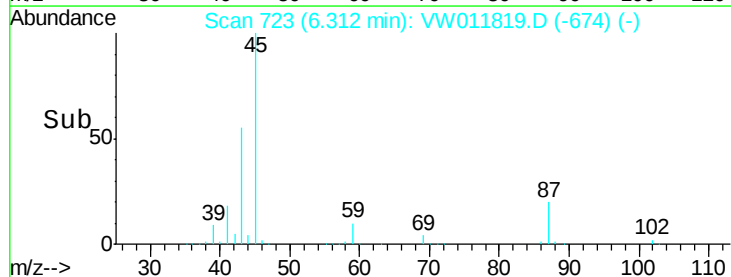
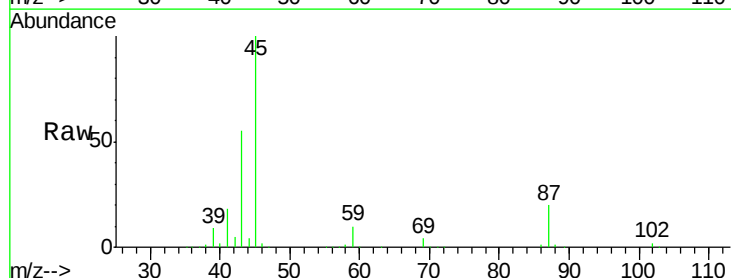
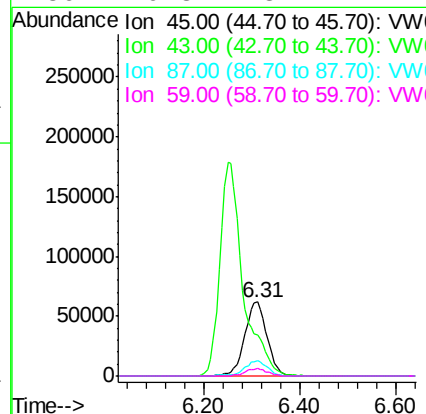
RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW011819.D

Acq: 09 Aug 2019 19:08

Tgt Ion:	45	Resp:	199559
Ion	Ratio	Lower	Upper
45	100		
43	54.5	42.6	63.8
87	20.3	16.4	24.6
59	10.3	8.2	12.2





#23

Vinyl Acetate

Concen: 105.807 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW011819.D

Acq: 09 Aug 2019 19:08

Instrument :

MSVOA_W

ClientSampleId :

VW0812SBSD01

Tot Ion: 43 Resp: 596601

Ion Ratio Lower Upper

43 100

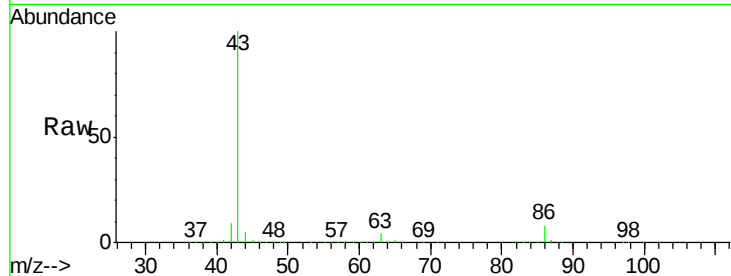
86 7.9 6.5 9.7

Manual Integrations

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MMDadoda

8/13/2019 2:44:13 PM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.25

200000

150000

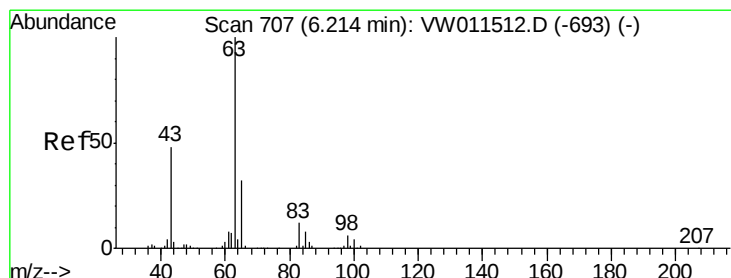
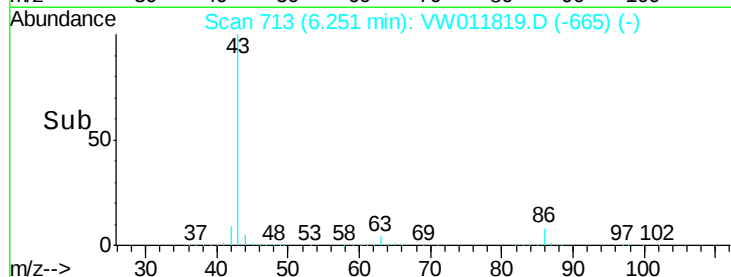
100000

50000

0

6.20 6.40

Time-->



#24

1,1-Dichloroethane

Concen: 21.969 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW011819.D

Acq: 09 Aug 2019 19:08

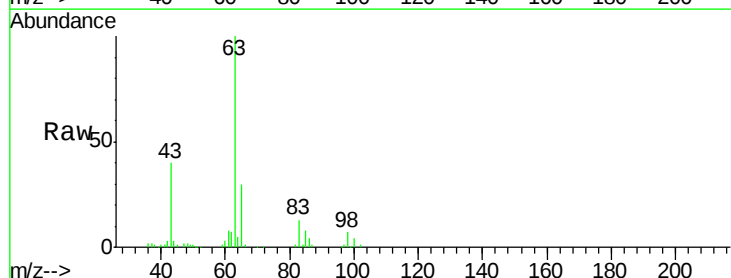
Tgt Ion: 63 Resp: 105579

Ion Ratio Lower Upper

63 100

98 6.8 2.9 8.8

100 3.7 2.1 6.3



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

50000

40000

30000

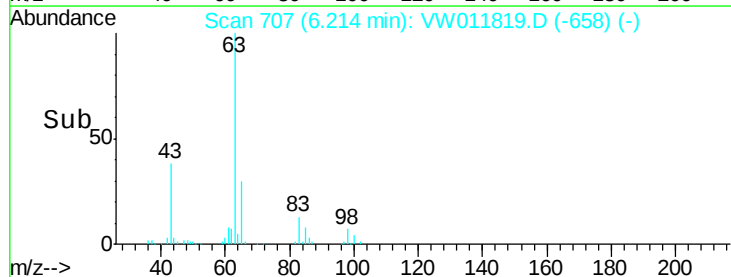
20000

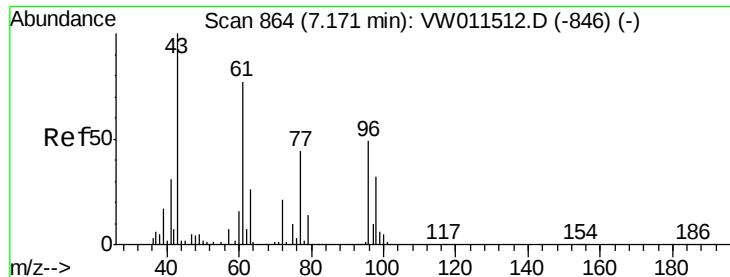
10000

0

6.10 6.20 6.30

Time-->





#25

2-Butanone

Concen: 88.976 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW011819.D

Acq: 09 Aug 2019 19:08

Instrument :

MSVOA_W

ClientSampleId :

VW0812SBSD01

Tot Ion: 43 Resp: 91378

Ion Ratio Lower Upper

43 100

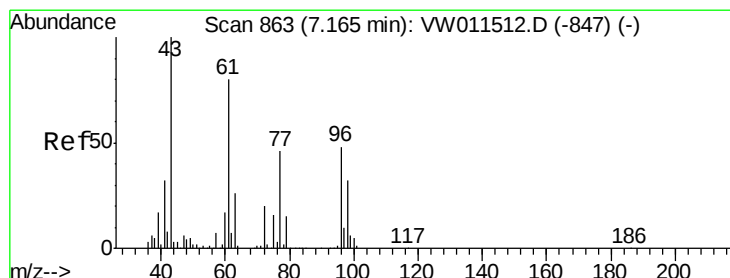
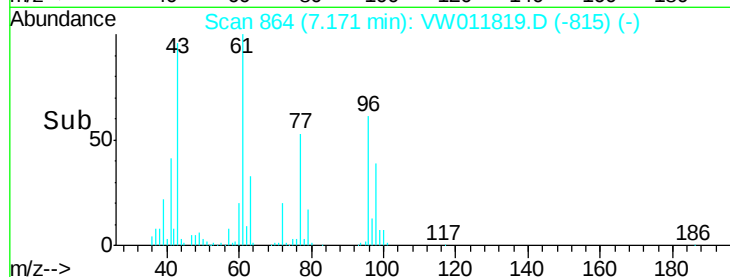
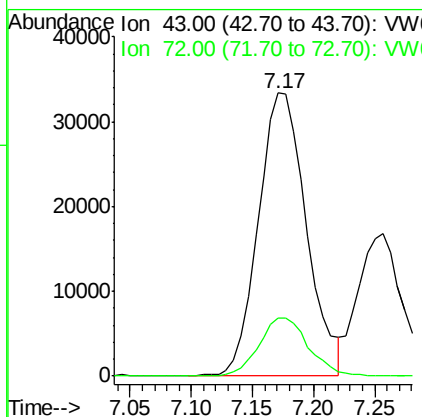
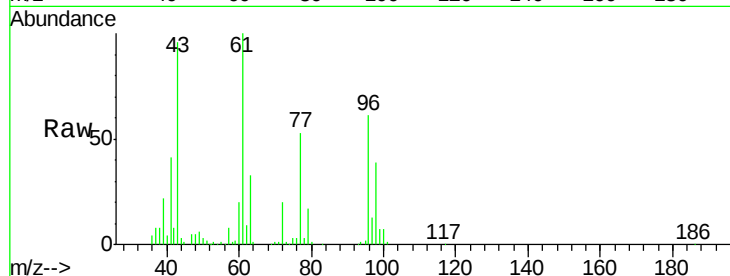
72 20.7 16.6 24.8

Manual Integrations

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MMDadoda

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#26

2,2-Dichloropropane

Concen: 19.265 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW011819.D

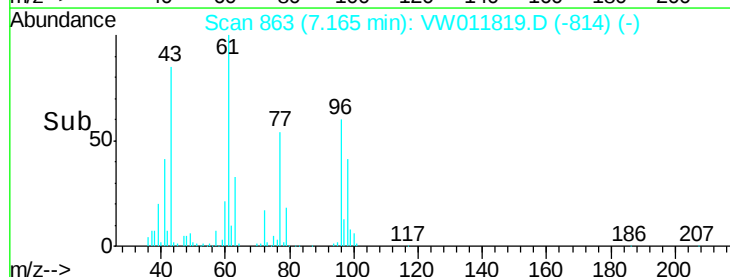
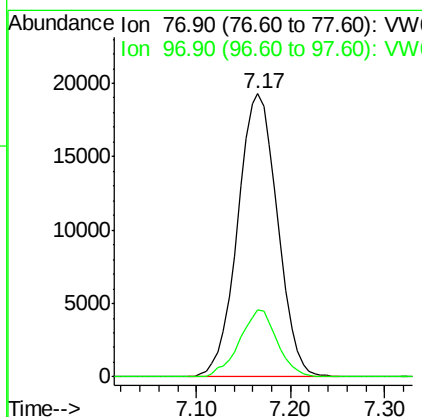
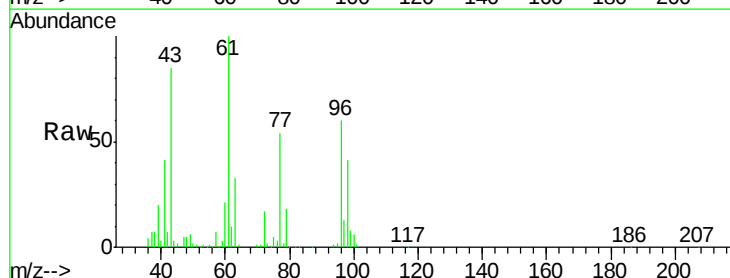
Acq: 09 Aug 2019 19:08

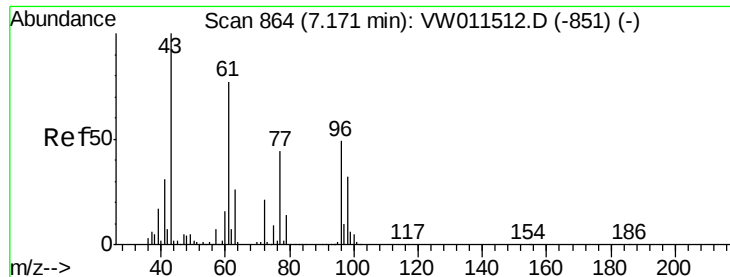
Tgt Ion: 77 Resp: 56939

Ion Ratio Lower Upper

77 100

97 22.5 10.8 32.4





#27

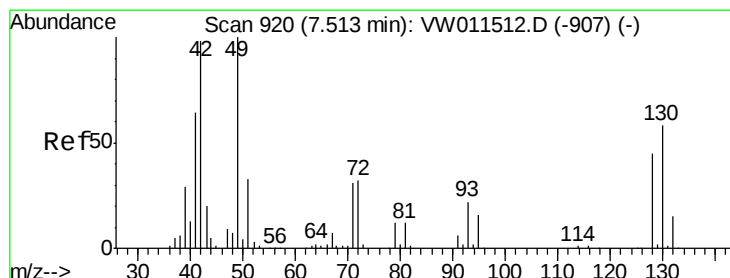
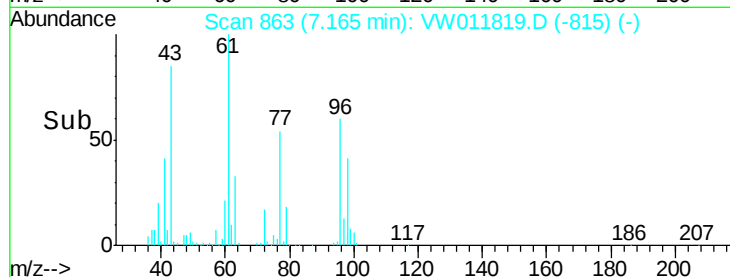
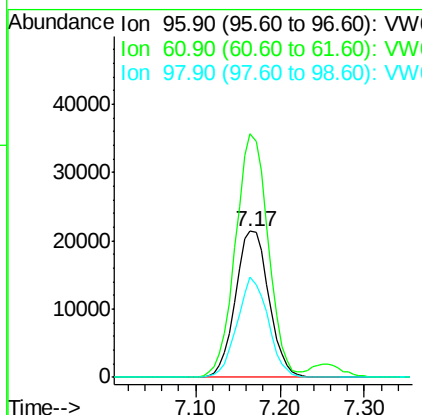
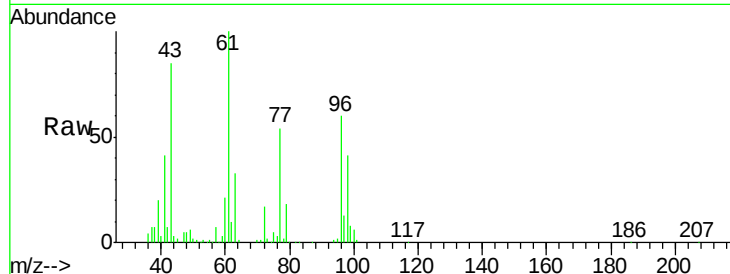
cis-1,2-Dichloroethene
 Concen: 21.618 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW011819.D
 Acq: 09 Aug 2019 19:08

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0812SBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	163.3	0.0	328.4
98	63.6	0.0	128.8

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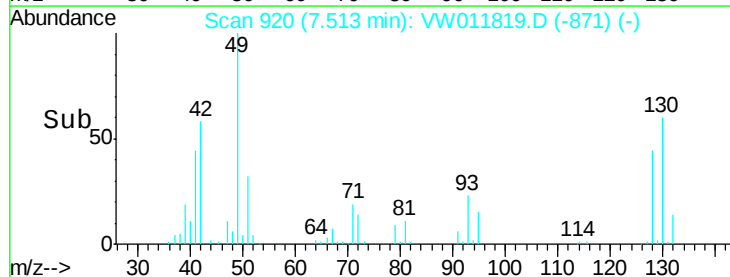
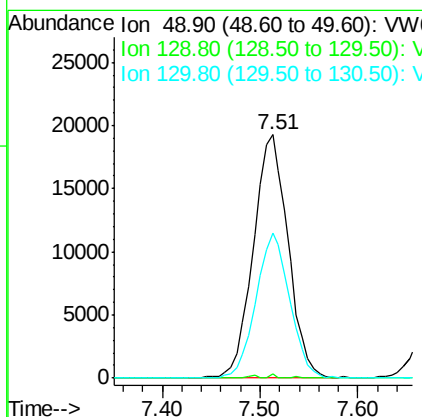
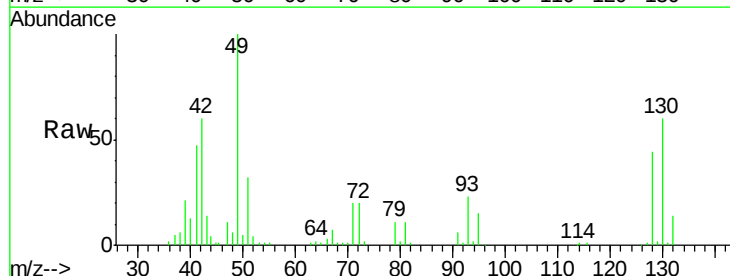
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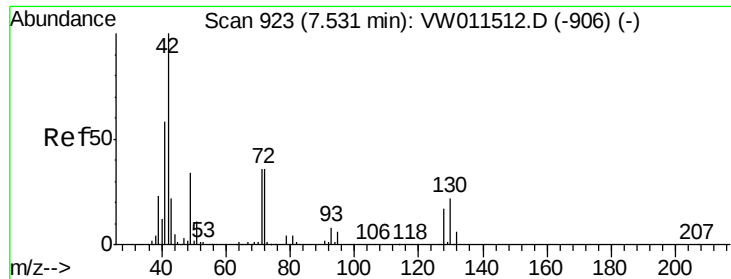


#28

Bromochloromethane
 Concen: 22.288 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW011819.D
 Acq: 09 Aug 2019 19:08

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.2	0.0	1.0
130	58.0	46.3	69.5





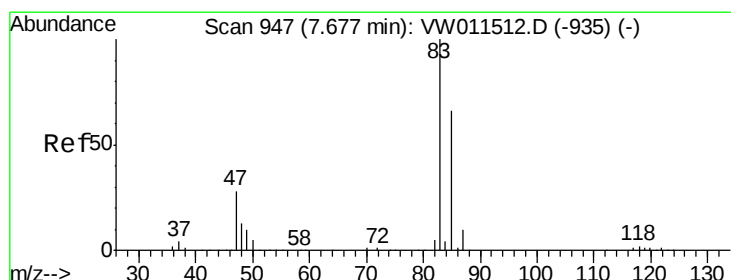
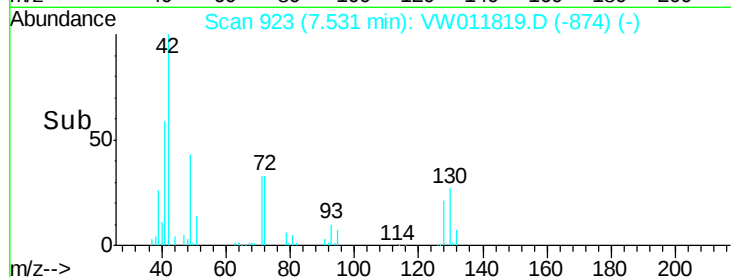
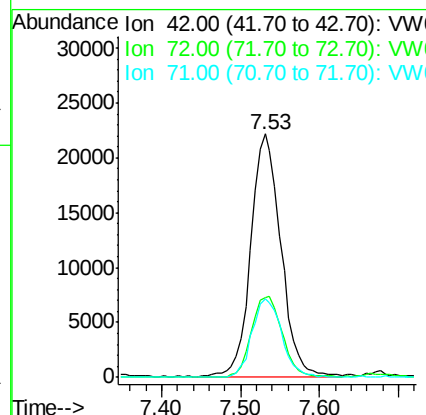
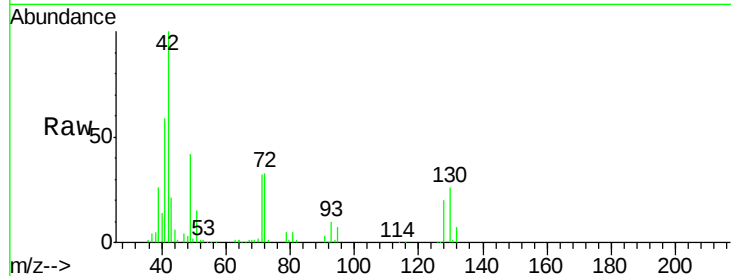
#29
Tetrahydrofuran
Concen: 101.089 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW011819.D
Acq: 09 Aug 2019 19:08

Instrument :
MSVOA_W
ClientSampleId :
VW0812SBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	33.9	27.1	40.7
71	31.8	26.2	39.4

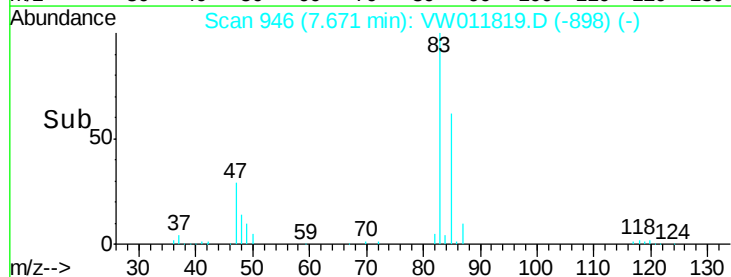
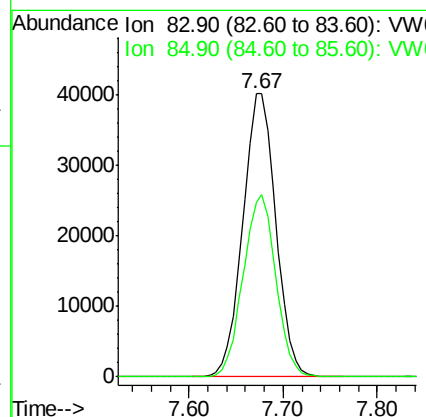
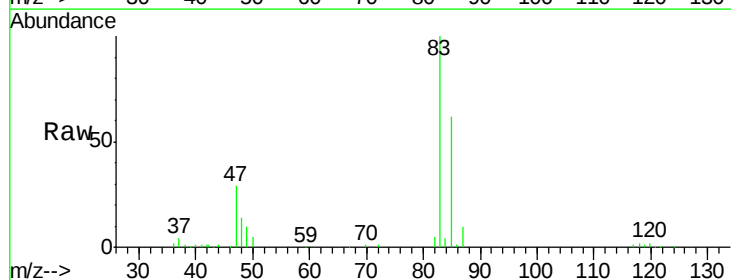
Manual Integrations
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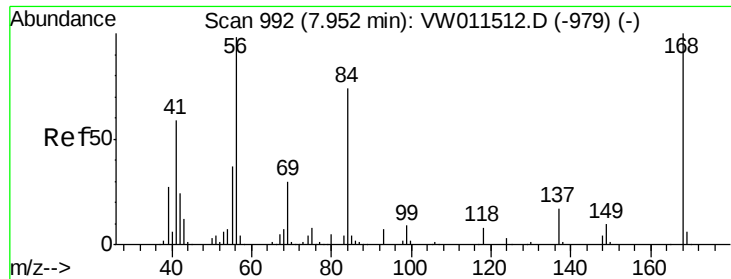
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#30
Chloroform
Concen: 22.168 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW011819.D
Acq: 09 Aug 2019 19:08

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.6	52.5	78.7





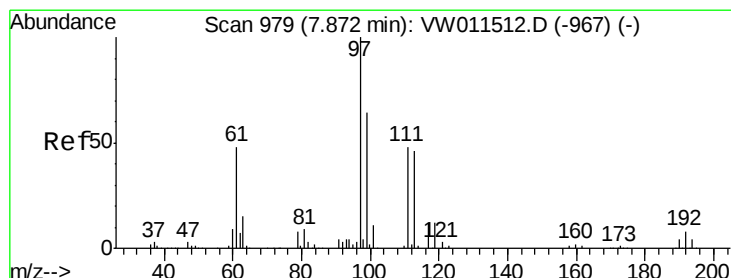
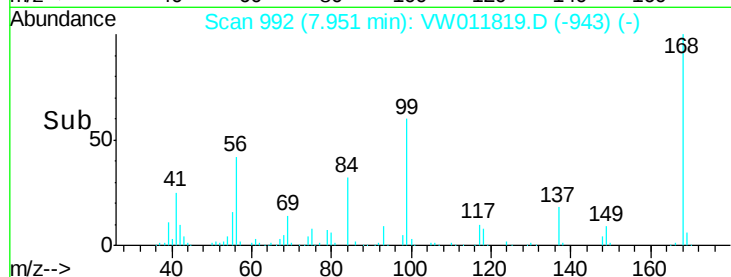
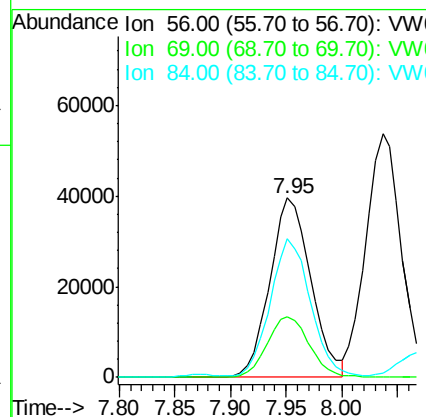
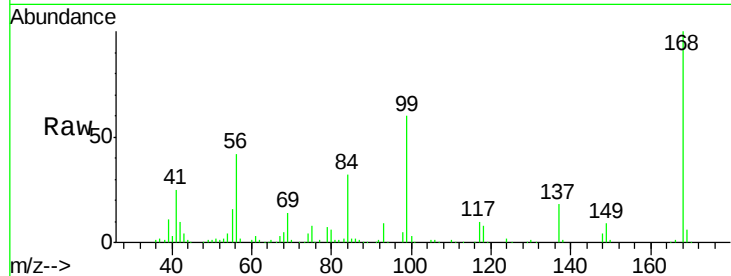
#31
Cyclohexane
Concen: 22.041 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW011819.D
Acq: 09 Aug 2019 19:08

Instrument :
MSVOA_W
ClientSampled :
VW0812SBSD01

Tot Ion:	56	Resp:	101683
Ion Ratio		Lower	Upper
56	100		
69	33.9	24.3	36.5
84	75.6	60.4	90.6

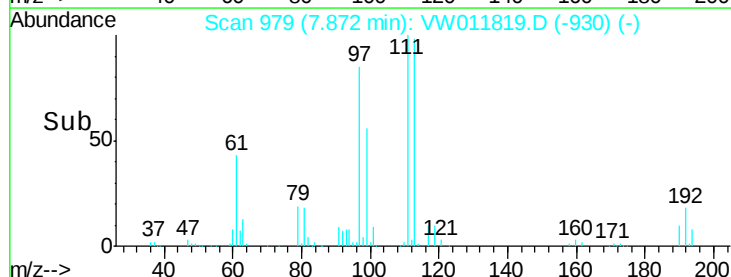
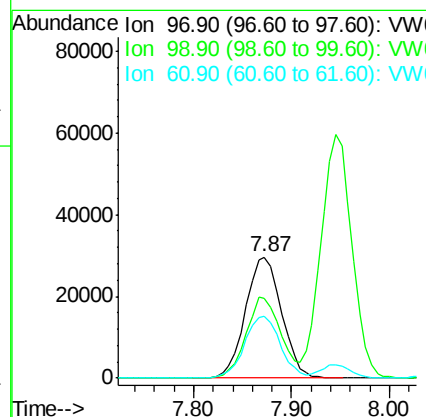
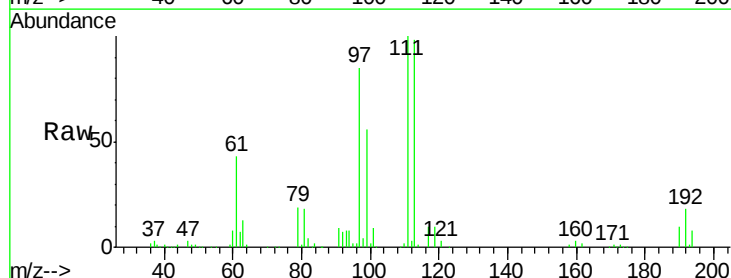
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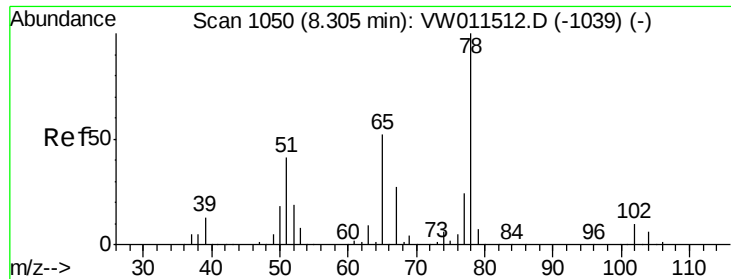
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#32
1,1,1-Trichloroethane
Concen: 22.371 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW011819.D
Acq: 09 Aug 2019 19:08

Tgt Ion:	97	Resp:	75539
Ion Ratio		Lower	Upper
97	100		
99	65.9	51.0	76.6
61	51.0	39.8	59.6





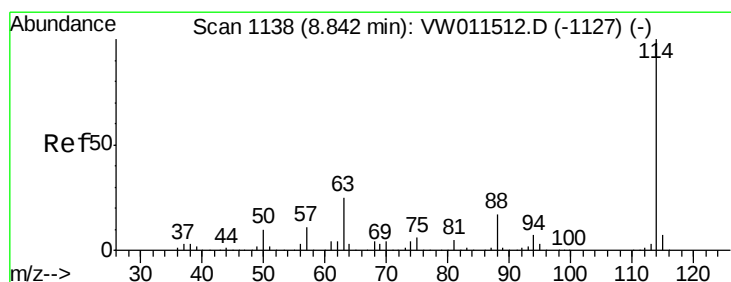
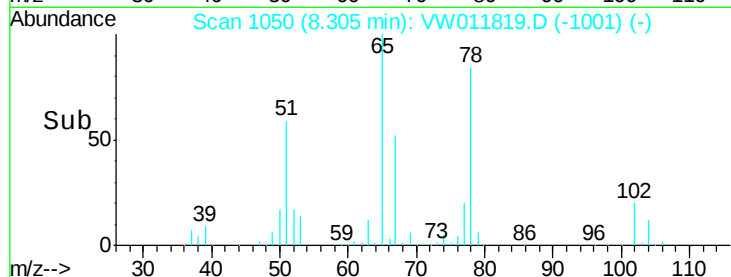
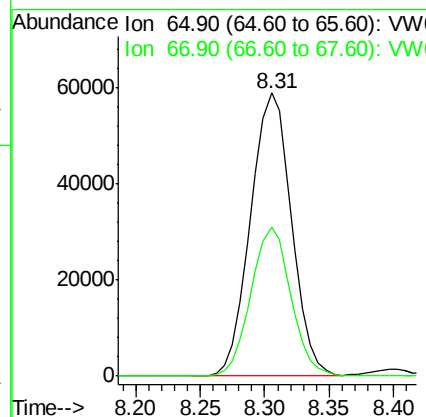
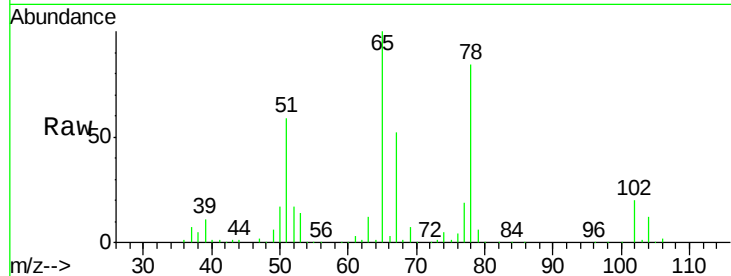
#33
 1,2-Dichloroethane-d4
 Concen: 52.676 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW011819.D
 Acq: 09 Aug 2019 19:08

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0812SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	129969		
67	51.4	0.0	105.2	

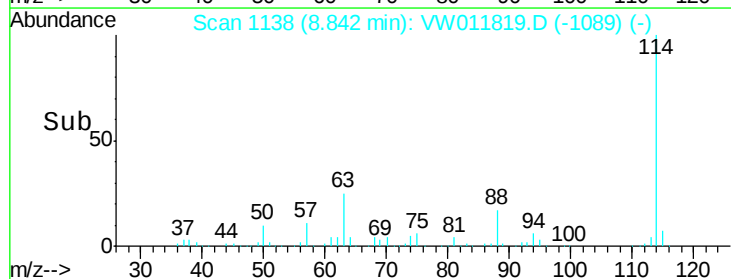
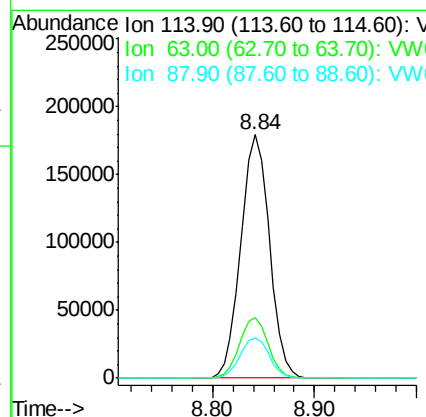
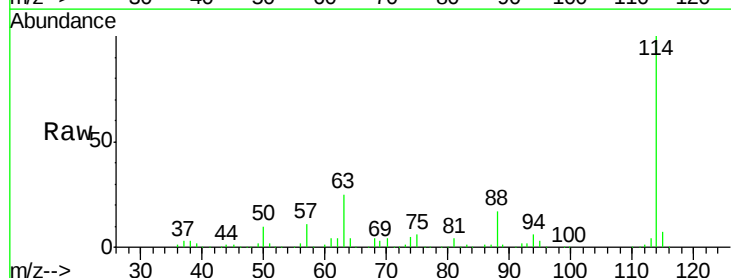
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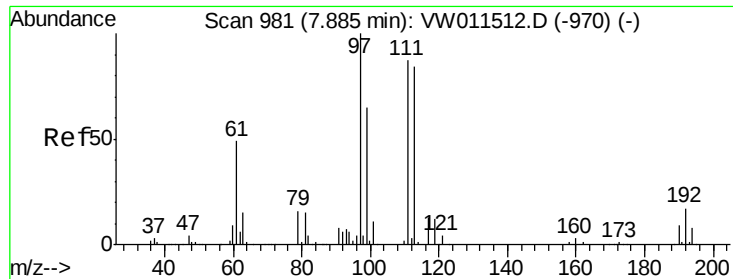
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011819.D
 Acq: 09 Aug 2019 19:08

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	349942		
63	24.8	0.0	49.2	
88	16.7	0.0	33.8	





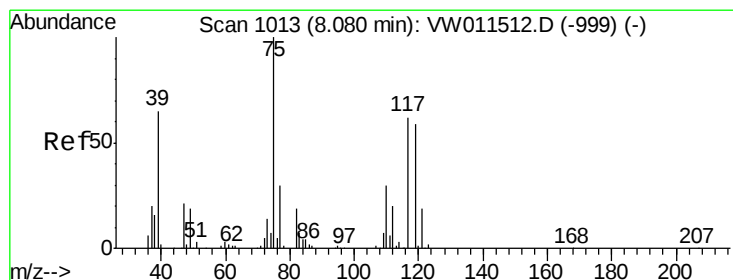
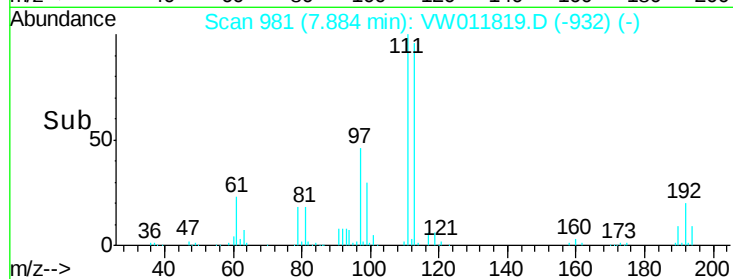
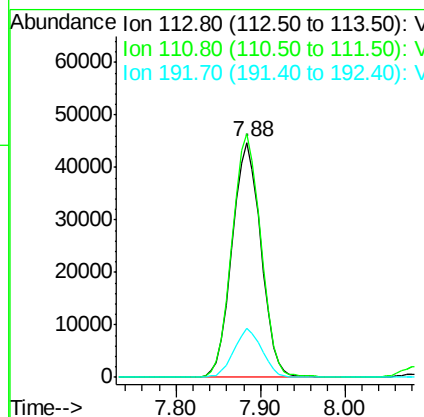
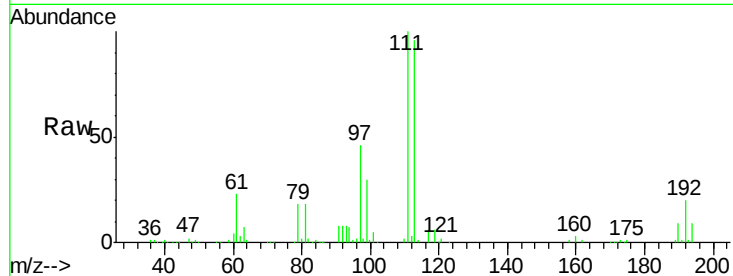
#35
Dibromofluoromethane
Concen: 52.855 ug/l
RT: 7.88 min Scan# 981
Delta R.T. -0.00 min
Lab File: VW011819.D
Acq: 09 Aug 2019 19:08

Instrument :
MSVOA_W
ClientSampleId :
VW0812SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	103767		
111	103.8	82.7	124.1	
192	20.2	16.1	24.1	

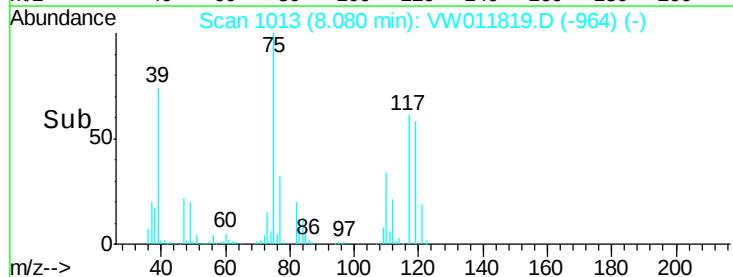
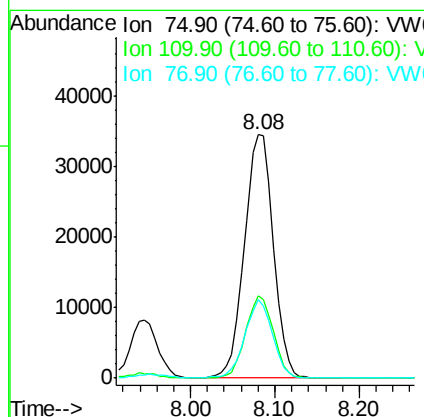
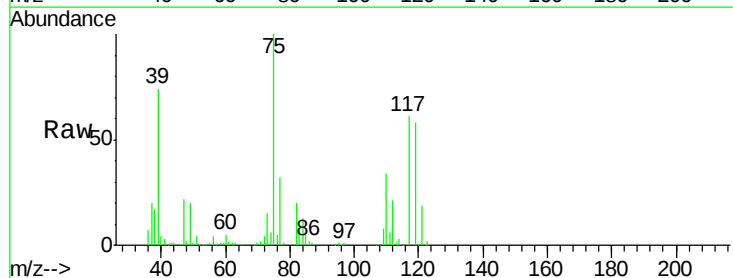
Manual Integrations
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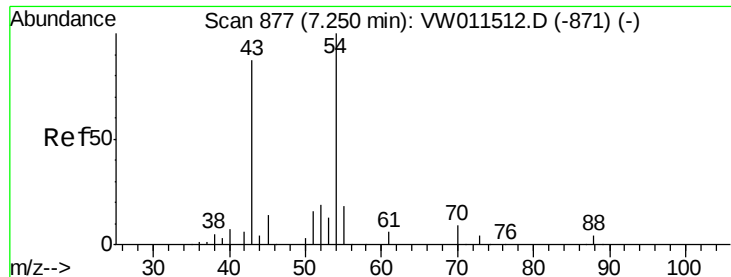
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#36
1,1-Dichloropropene
Concen: 22.078 ug/l
RT: 8.08 min Scan# 1013
Delta R.T. -0.00 min
Lab File: VW011819.D
Acq: 09 Aug 2019 19:08

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	80338		
110	32.1	15.6	46.8	
77	30.8	24.3	36.5	





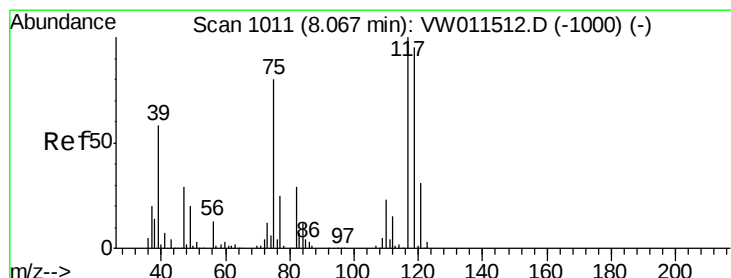
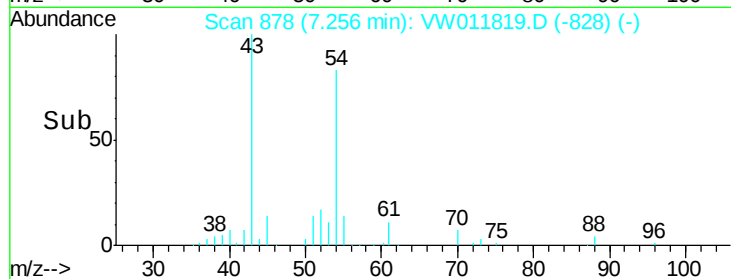
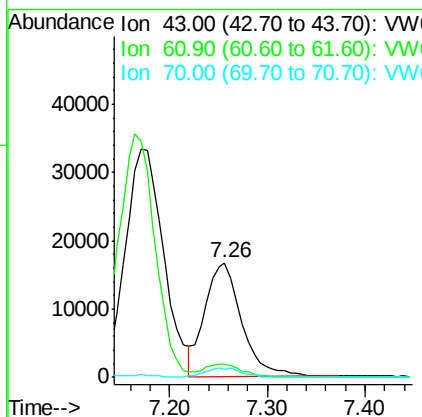
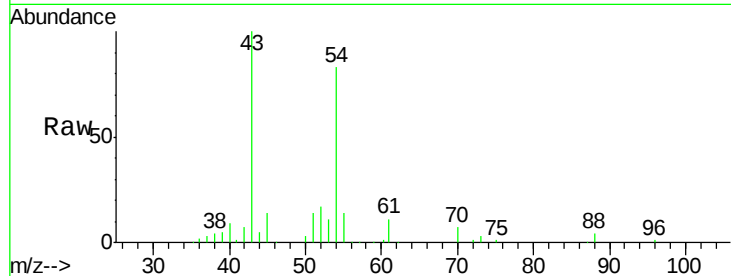
#37
Ethyl Acetate
Concen: 20.720 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW011819.D
Acq: 09 Aug 2019 19:08

Instrument :
MSVOA_W
ClientSampleId :
VW0812SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
43	100	43376		
61	11.2		8.8	13.2
70	8.7		7.1	10.7

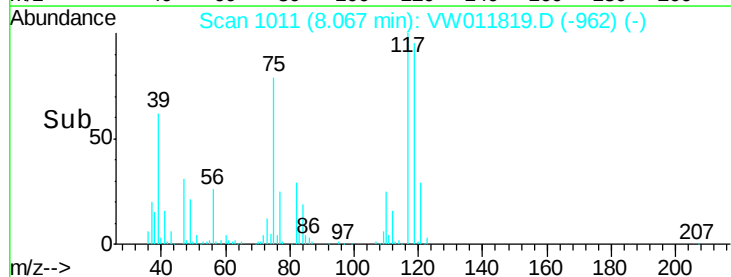
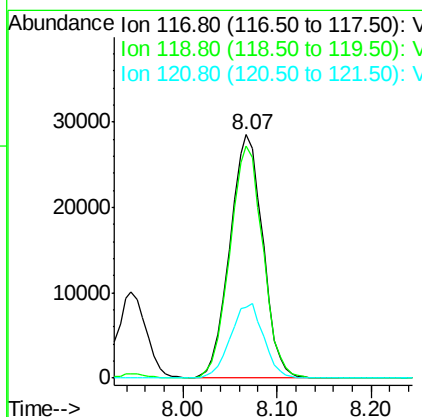
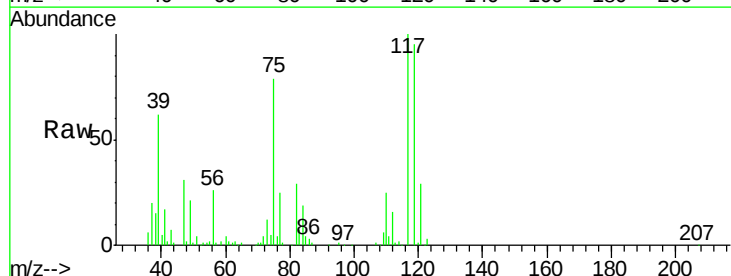
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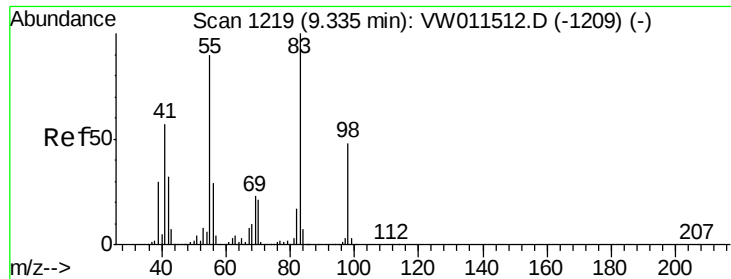
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#38
Carbon Tetrachloride
Concen: 22.331 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW011819.D
Acq: 09 Aug 2019 19:08

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	69563		
119	95.3		75.8	113.6
121	28.9		24.7	37.1





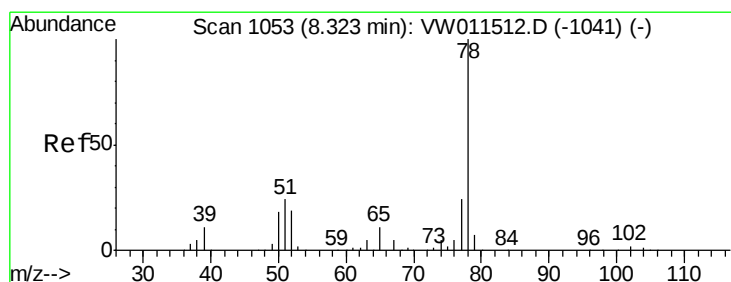
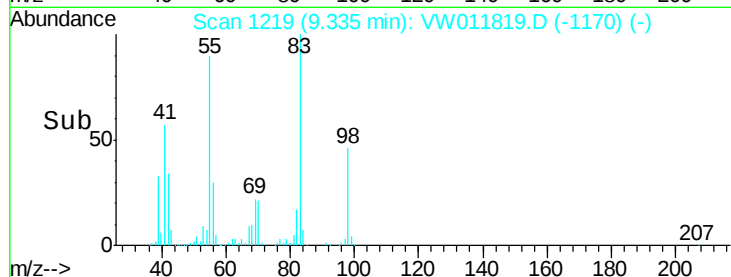
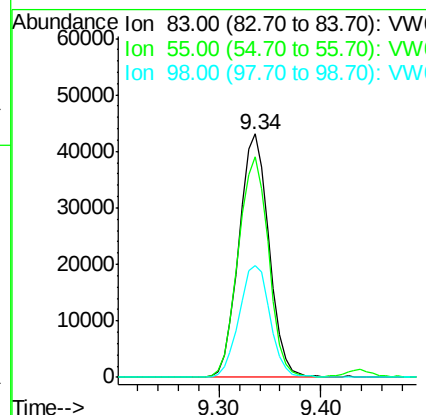
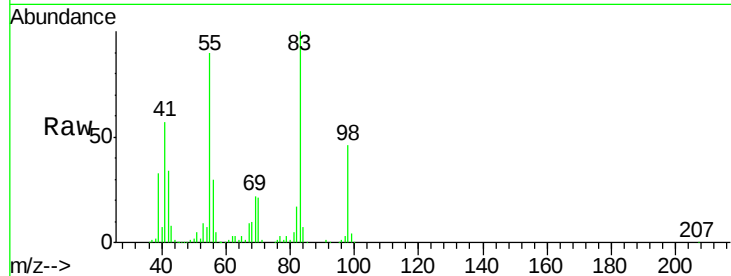
#39
Methvlcvclohexane
Concen: 21.923 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW011819.D
Acq: 09 Aug 2019 19:08

Instrument :
MSVOA_W
ClientSampleId :
VW0812SBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	90.4	72.1	108.1
98	46.0	38.6	57.8

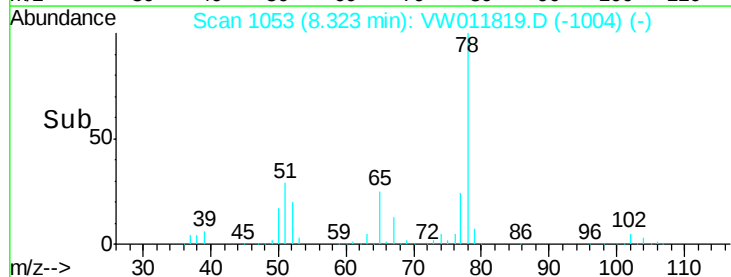
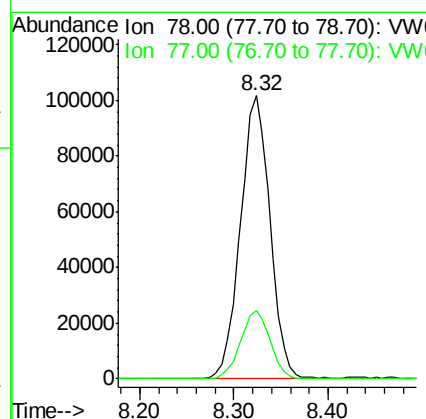
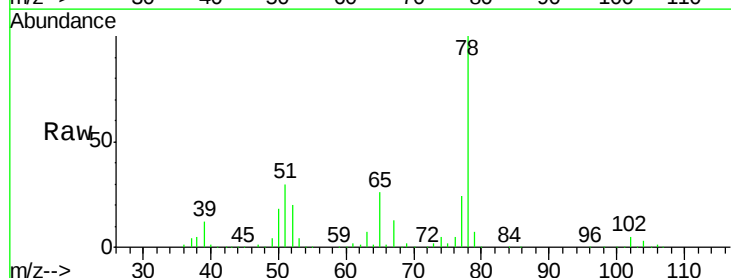
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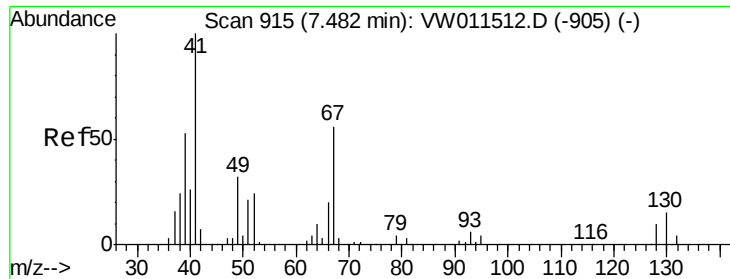
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#40
Benzene
Concen: 21.895 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW011819.D
Acq: 09 Aug 2019 19:08

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.4	29.0





#41

Methacrylonitrile

Concen: 19.501 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW011819.D

Acq: 09 Aug 2019 19:08

Instrument :

MSVOA_W

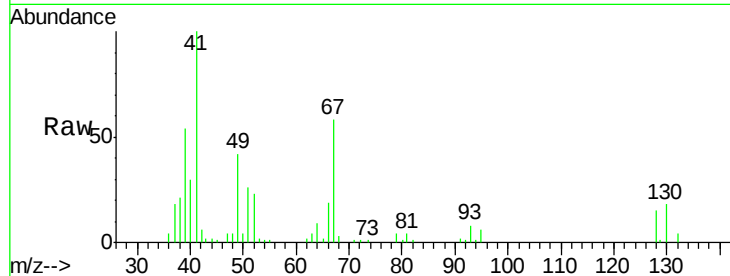
ClientSampleId :

VW0812SBSD01

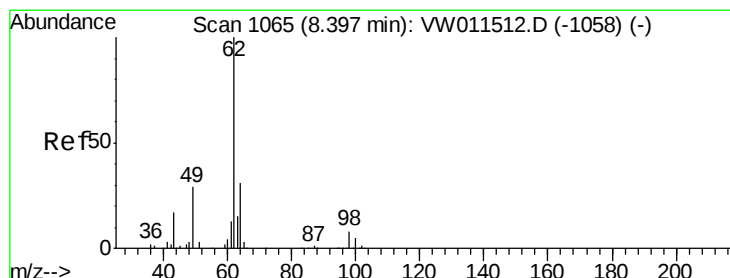
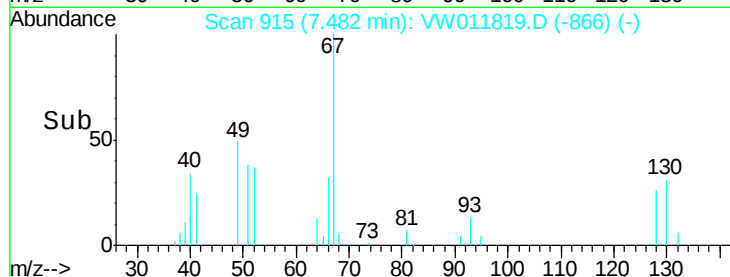
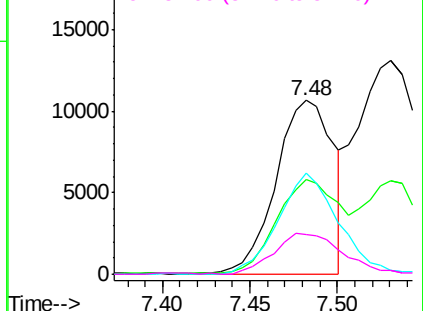
Tot Ion	41	Resp	24404
Ion	Ratio	Lower	Upper
41	100		
39	58.3	43.0	64.4
67	61.4	47.5	71.3
52	28.4	21.0	31.6

Manual Integrations
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Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 22.434 ug/l

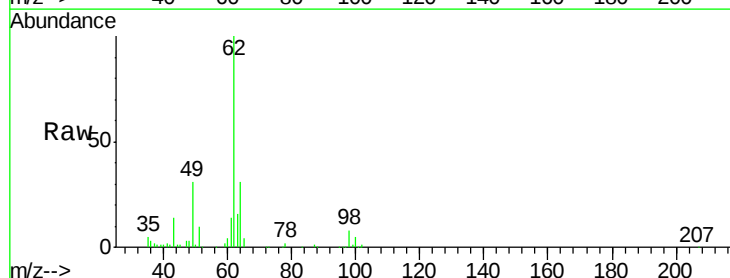
RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

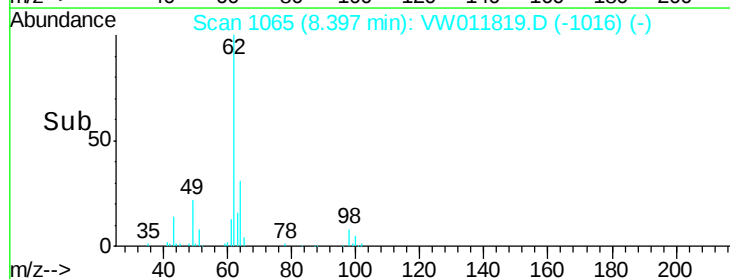
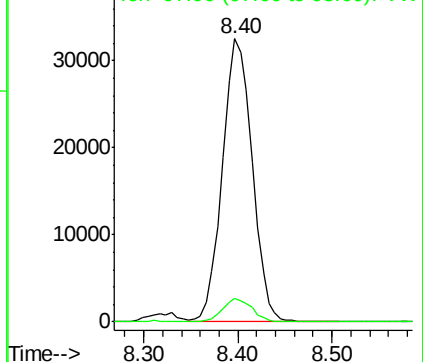
Lab File: VW011819.D

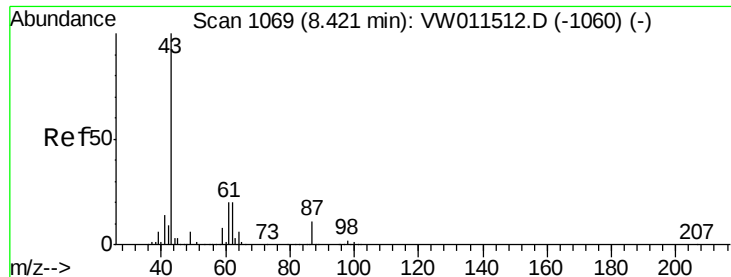
Acq: 09 Aug 2019 19:08

Tgt Ion	62	Resp	71588
Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	16.8



Abundance Ion 61.90 (61.60 to 62.60): VW
Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 20.468 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW011819.D

Acq: 09 Aug 2019 19:08

Instrument :

MSVOA_W

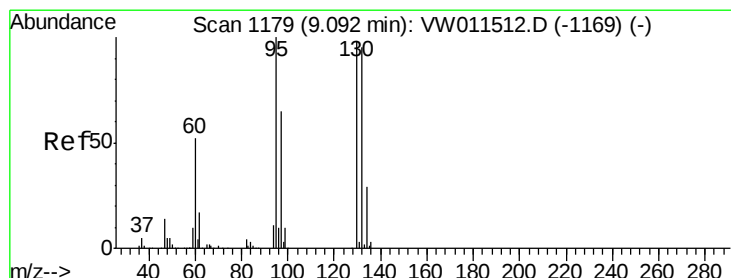
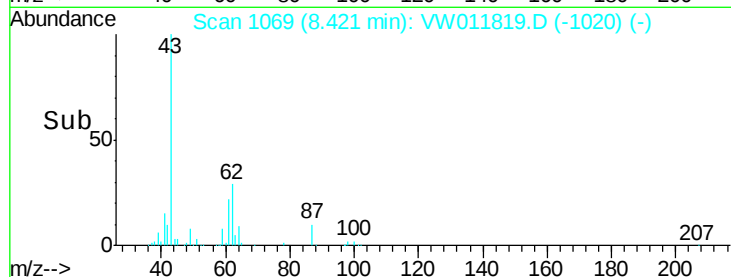
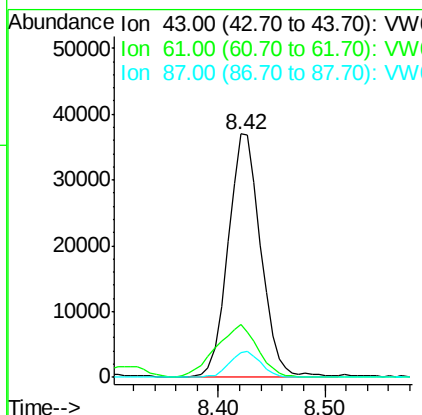
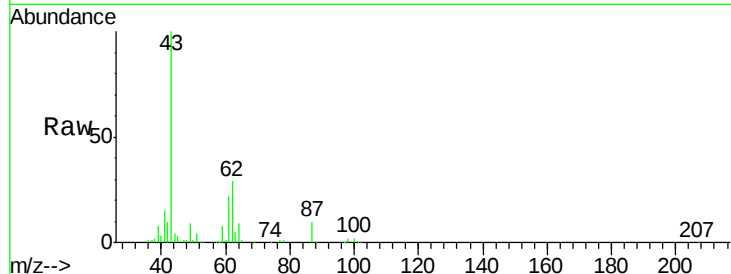
ClientSampleID :

VW0812SBS01

Tot Ion:	43	Resp:	78802
Ion	Ratio	Lower	Upper
43	100		
61	28.0	21.5	32.3
87	10.4	8.4	12.6

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#44

Trichloroethene

Concen: 21.674 ug/l

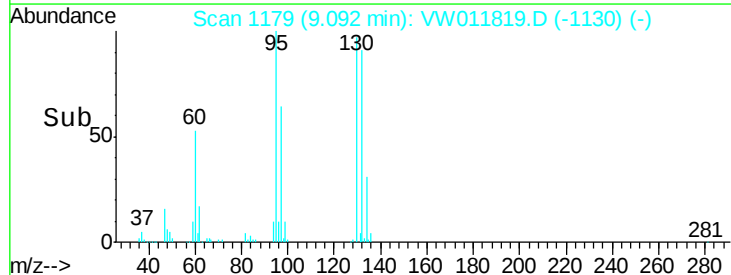
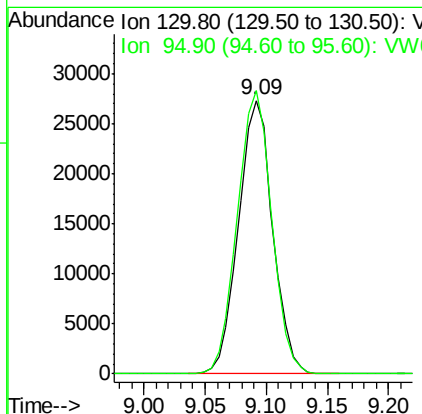
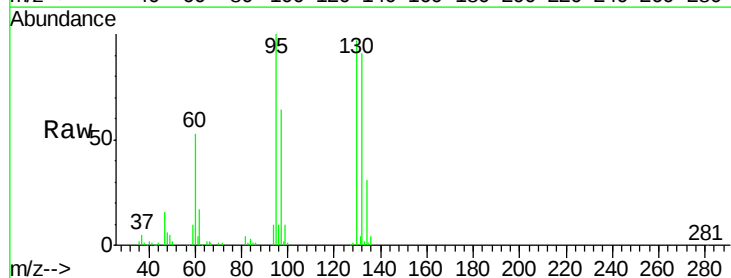
RT: 9.09 min Scan# 1179

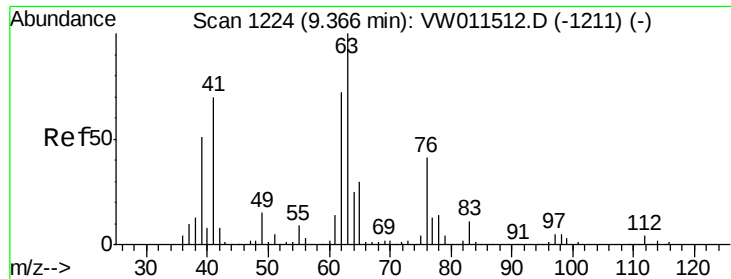
Delta R.T. -0.00 min

Lab File: VW011819.D

Acq: 09 Aug 2019 19:08

Tgt Ion:	130	Resp:	53096
Ion	Ratio	Lower	Upper
130	100		
95	103.4	0.0	204.8





#45

1,2-Dichloropropane

Concen: 21.791 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW011819.D

Acq: 09 Aug 2019 19:08

Instrument :

MSVOA_W

ClientSampleId :

VW0812SBSD01

Tot Ion: 63 Resp: 59426

Ion Ratio Lower Upper

63 100

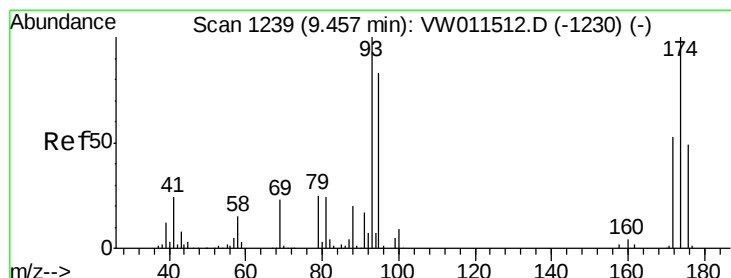
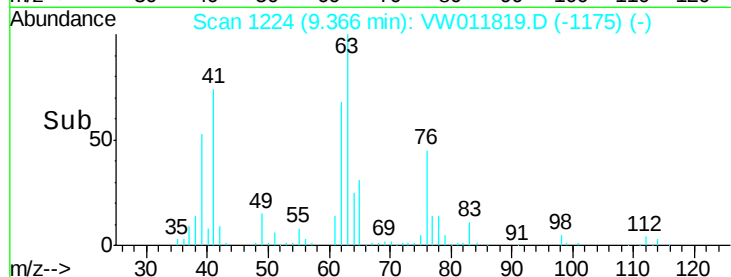
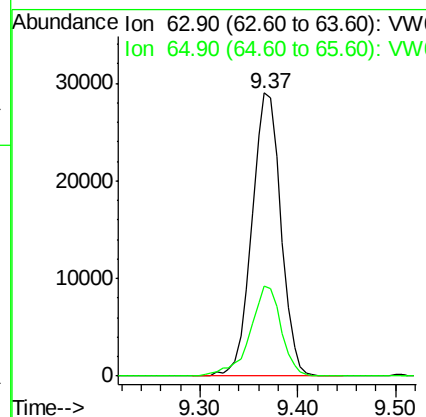
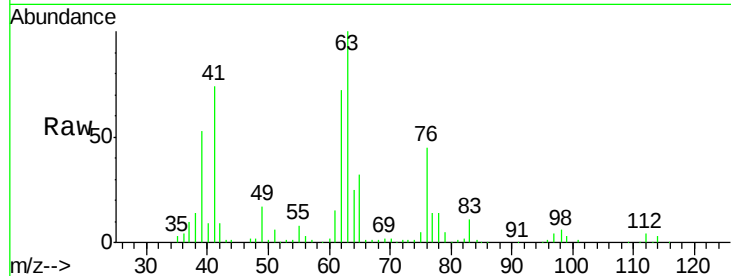
65 31.9 24.2 36.4

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#46

Dibromomethane

Concen: 21.866 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW011819.D

Acq: 09 Aug 2019 19:08

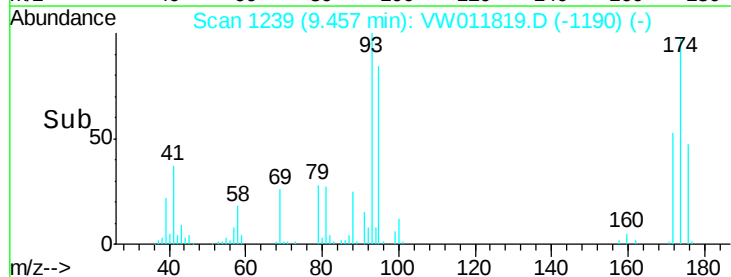
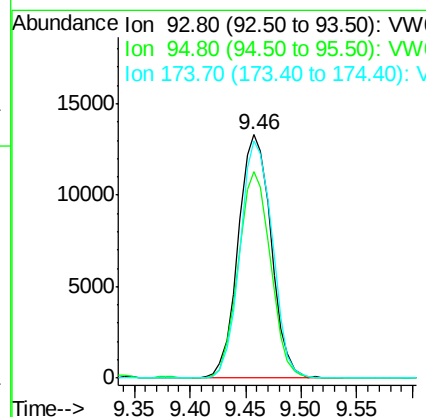
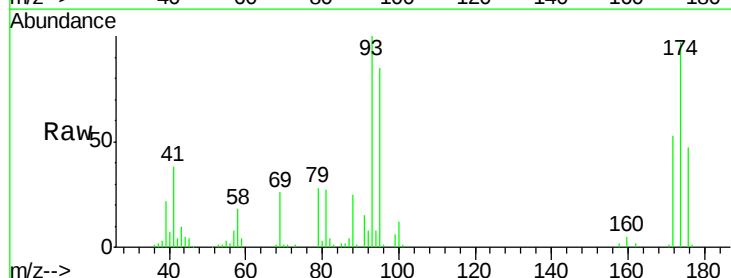
Tgt Ion: 93 Resp: 27217

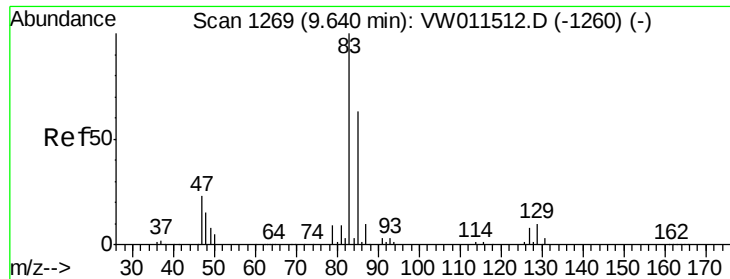
Ion Ratio Lower Upper

93 100

95 83.2 66.2 99.2

174 95.5 78.2 117.4





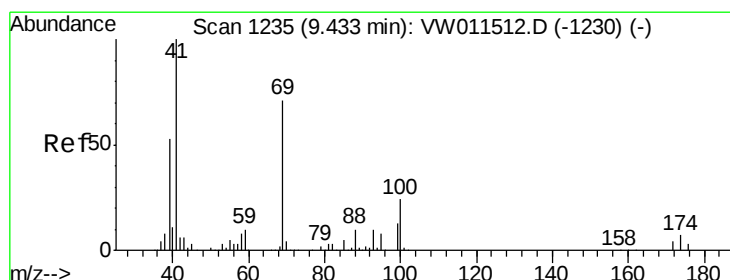
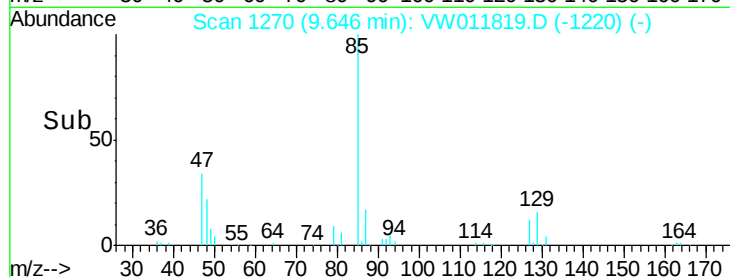
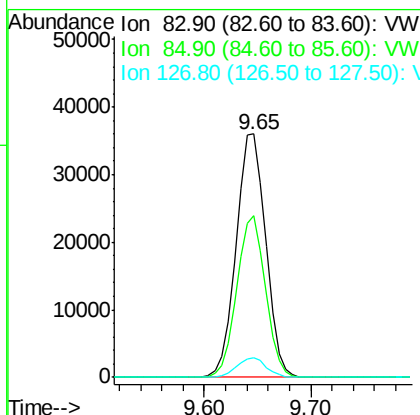
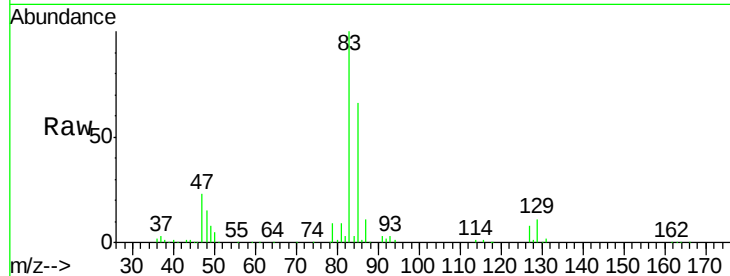
#47
 Bromodichloromethane
 Concen: 21.642 ug/l
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.01 min
 Lab File: VW011819.D
 Acq: 09 Aug 2019 19:08

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0812SBSD01

Tot Ion	83	85	127	Resp	Lower	Upper
70661	100	66.2	8.0		50.5	75.7
					6.4	9.6

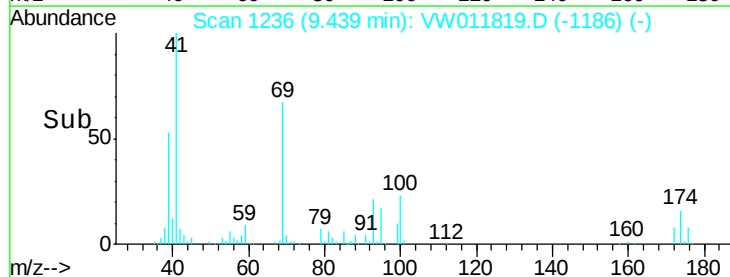
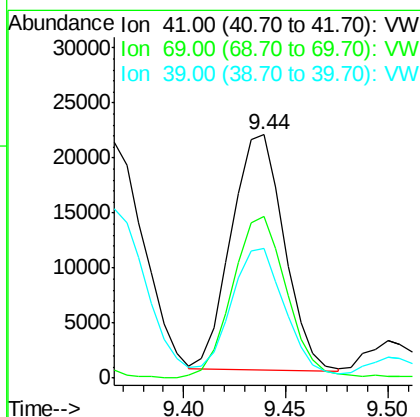
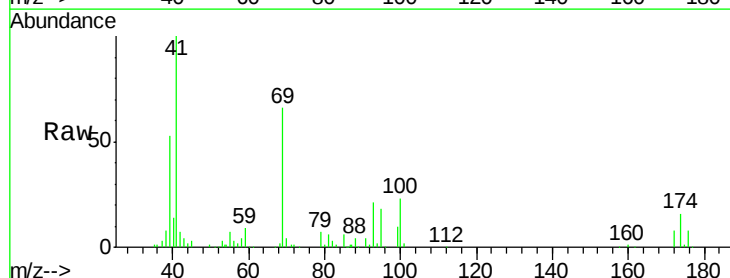
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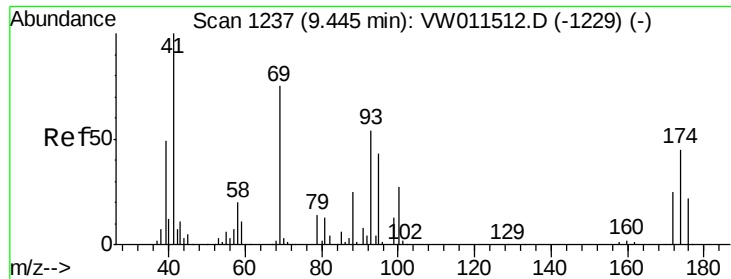
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#48
 Methyl methacrylate
 Concen: 20.931 ug/l
 RT: 9.44 min Scan# 1236
 Delta R.T. 0.01 min
 Lab File: VW011819.D
 Acq: 09 Aug 2019 19:08

Tgt Ion	41	69	39	Resp	Lower	Upper
38710	100	71.7	56.5		57.1	85.7
					45.4	68.2





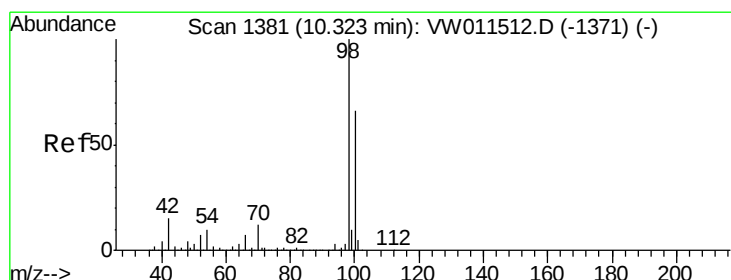
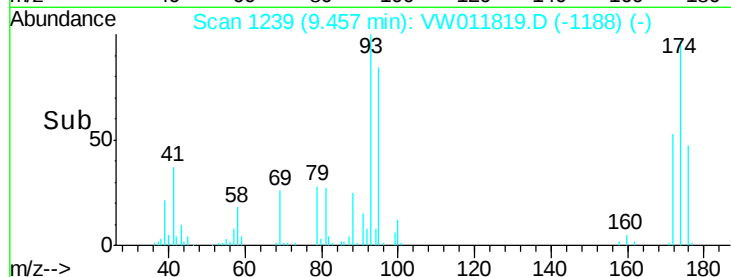
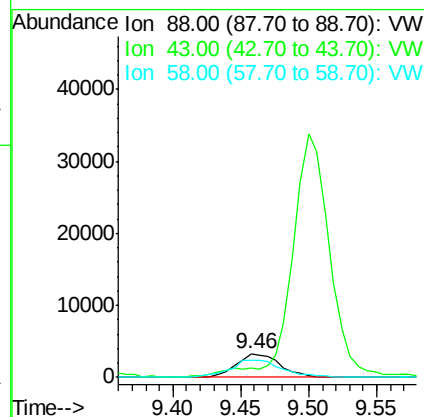
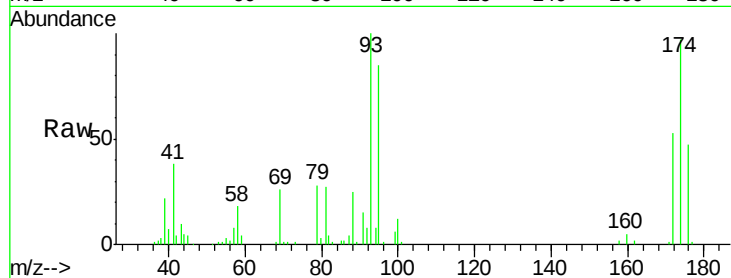
#49
1,4-Dioxane
Concen: 407.209 ug/l
RT: 9.46 min Scan# 1239
Delta R.T. 0.01 min
Lab File: VW011819.D
Acq: 09 Aug 2019 19:08

Instrument :
MSVOA_W
ClientSampleId :
VW0812SBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	34.0	51.0#
58	89.2	69.7	104.5

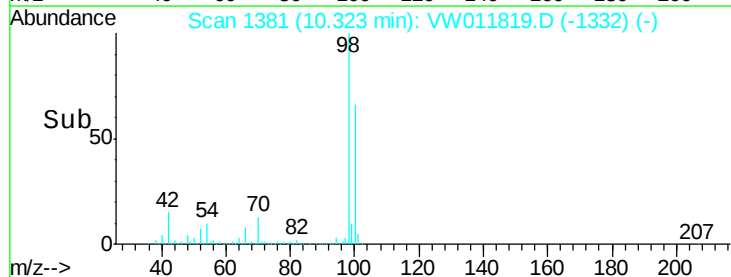
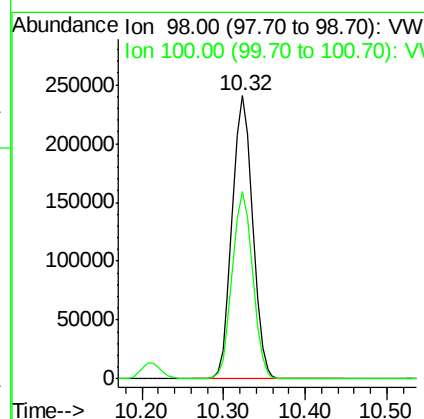
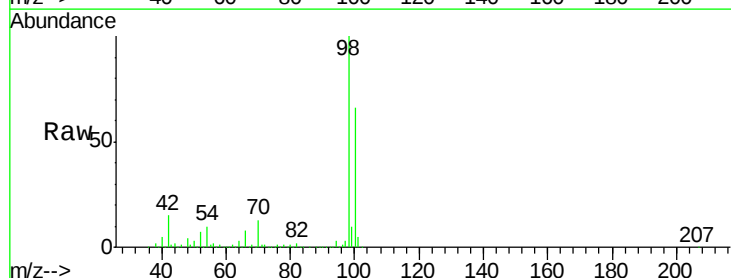
Manual Integrations
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#50
Toluene-d8
Concen: 51.794 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW011819.D
Acq: 09 Aug 2019 19:08

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.0	52.7	79.1





#51

4-Methyl-2-Pentanone

Concen: 102.415 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW011819.D

Acq: 09 Aug 2019 19:08

Instrument :

MSVOA_W

ClientSampleId :

VW0812SBSD01

Tot Ion: 43 Resp: 205097

Ion Ratio Lower Upper

43 100

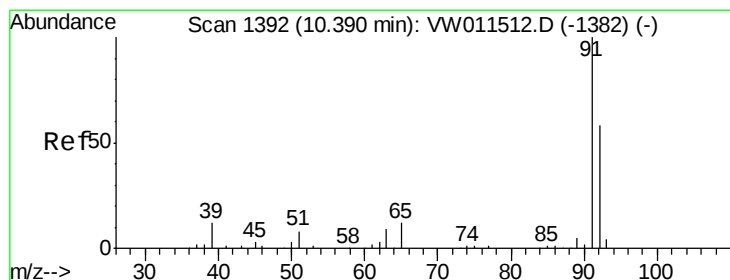
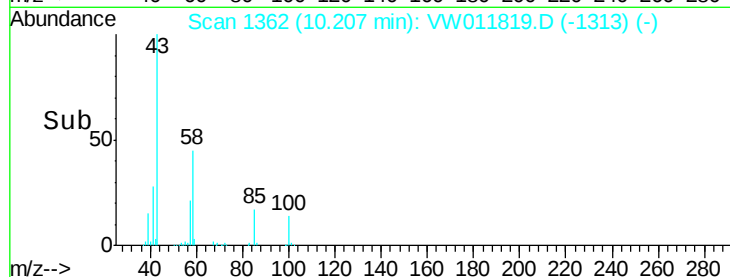
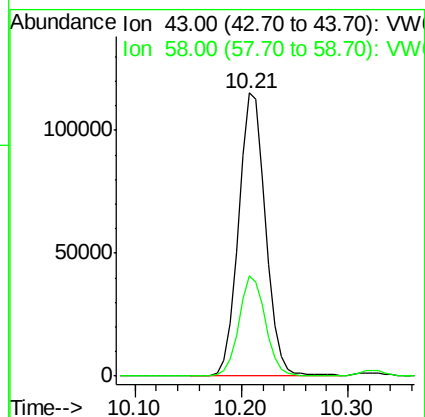
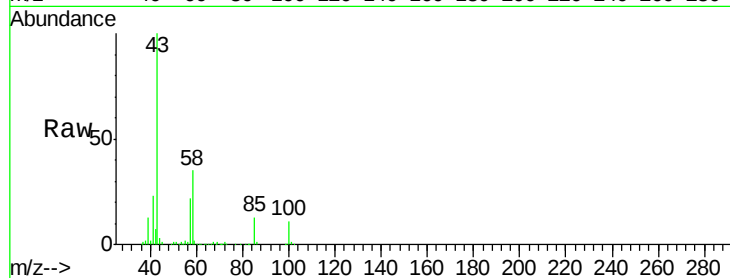
58 34.8 28.2 42.2

Manual Integrations

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#52

Toluene

Concen: 22.168 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW011819.D

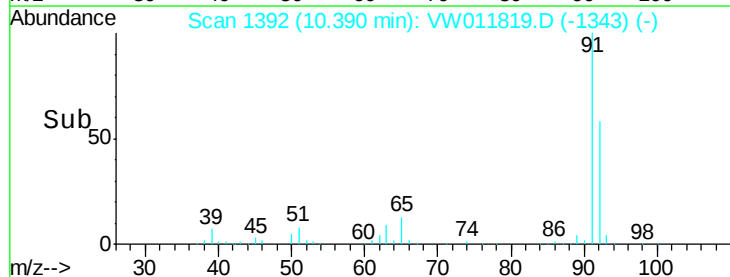
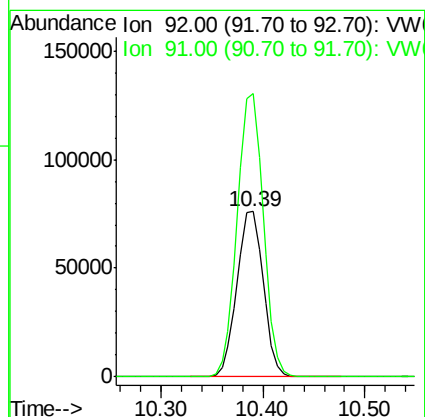
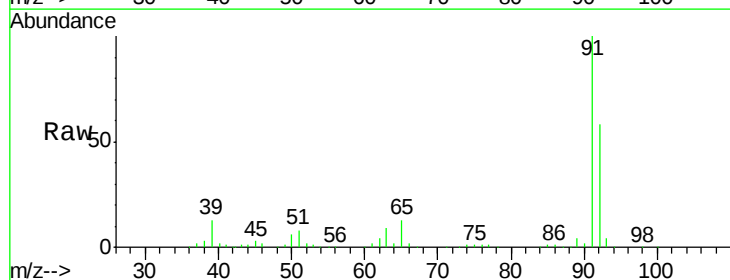
Acq: 09 Aug 2019 19:08

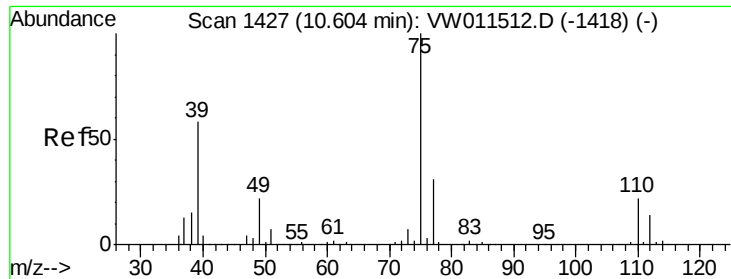
Tgt Ion: 92 Resp: 136449

Ion Ratio Lower Upper

92 100

91 169.3 136.7 205.1





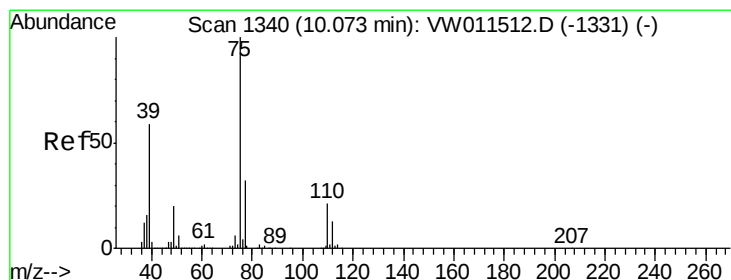
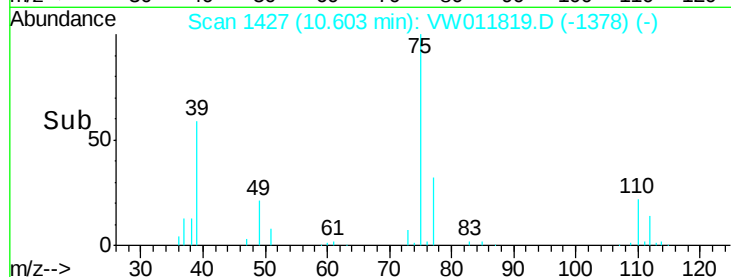
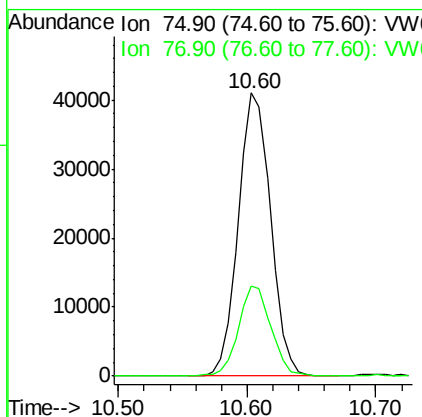
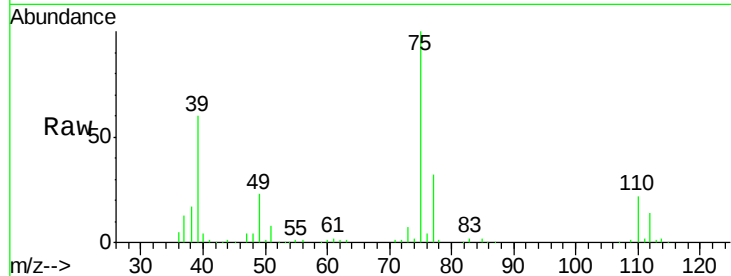
#53
t-1,3-Dichloropropene
Concen: 20.910 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW011819.D
Acq: 09 Aug 2019 19:08

Instrument :
MSVOA_W
ClientSampleId :
VW0812SBSD01

Tot Ion: 75 Resp: 71319
Ion Ratio Lower Upper
75 100
77 31.8 25.0 37.4

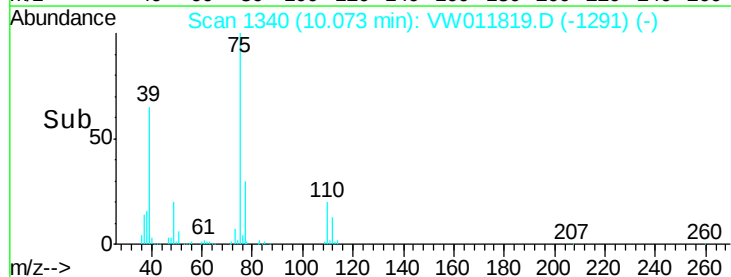
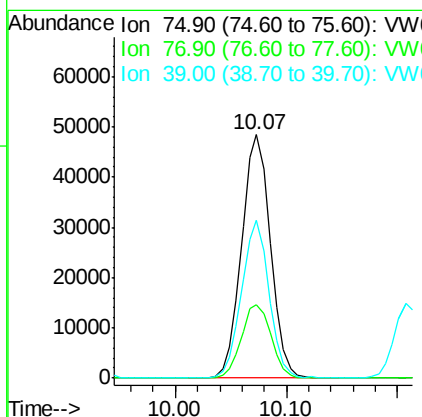
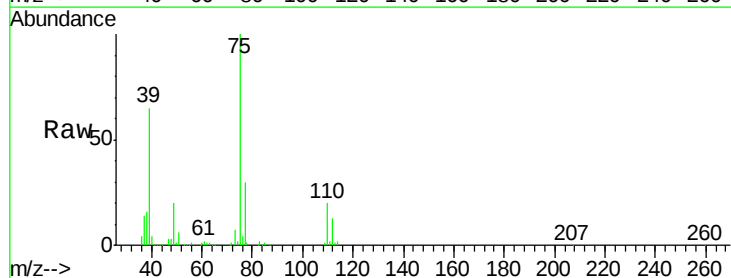
Manual Integrations
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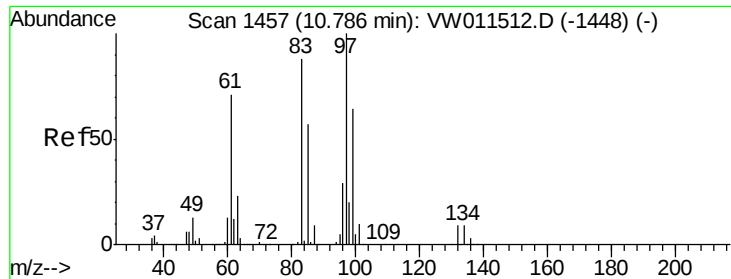
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 21.449 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW011819.D
Acq: 09 Aug 2019 19:08

Tgt Ion: 75 Resp: 86983
Ion Ratio Lower Upper
75 100
77 30.0 25.6 38.4
39 64.7 47.0 70.4





#55

1,1,2-Trichloroethane

Concen: 21.548 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW011819.D

Acq: 09 Aug 2019 19:08

Instrument :

MSVOA_W

ClientSampleId :

VW0812SBSD01

Tot Ion: 97 Resp: 38055

Ion Ratio Lower Upper

97 100

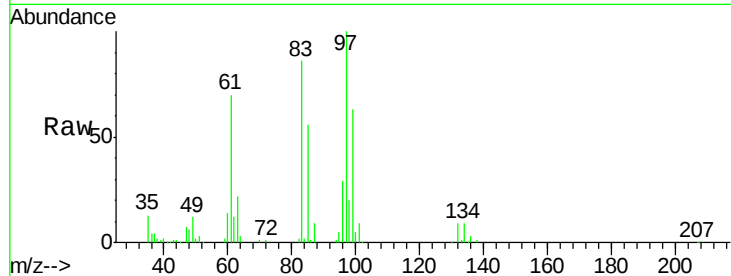
83 86.2 70.5 105.7

85 55.5 45.8 68.6

99 63.1 51.0 76.4

Manual Integrations
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8/13/2019 2:44:13 PM

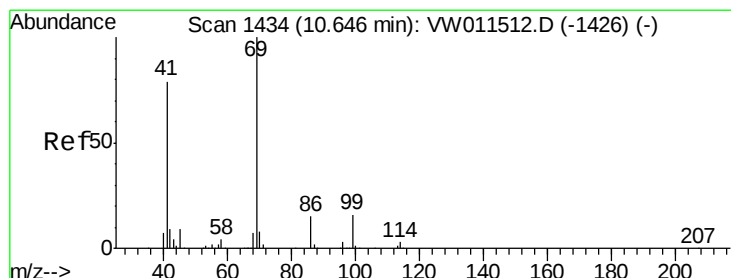
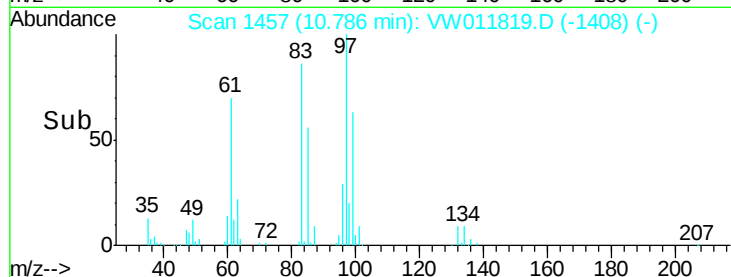
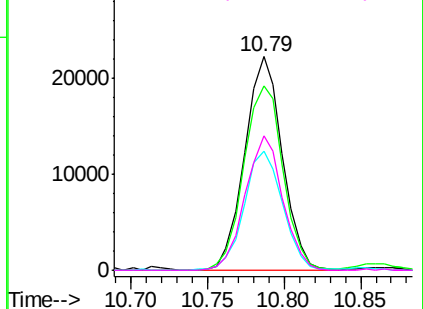


Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 20.920 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW011819.D

Acq: 09 Aug 2019 19:08

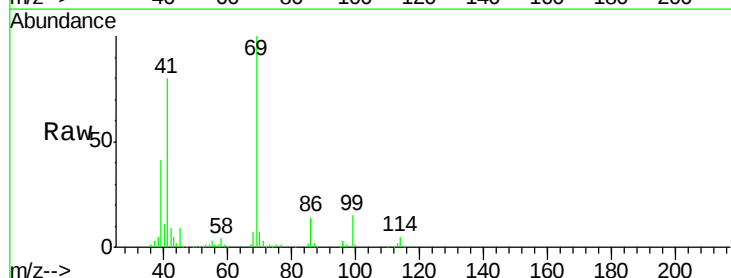
Tgt Ion: 69 Resp: 54063

Ion Ratio Lower Upper

69 100

41 83.3 66.6 99.8

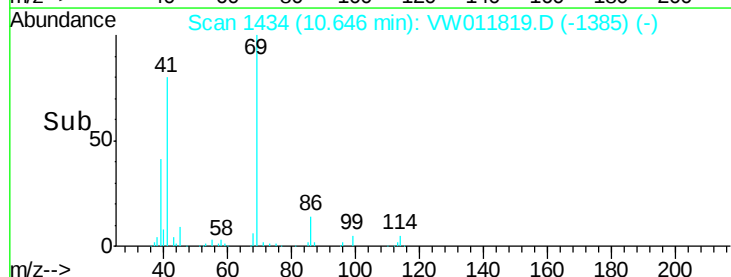
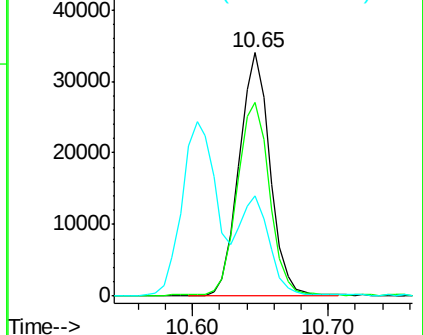
39 39.4 30.3 45.5

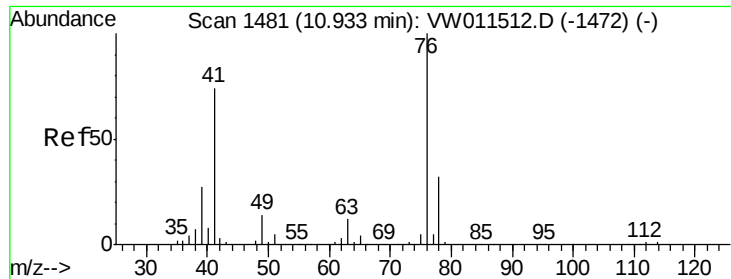


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





#57

1,3-Dichloropropane

Concen: 21.867 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW011819.D

Acq: 09 Aug 2019 19:08

Instrument :

MSVOA_W

ClientSampleId :

VW0812SBS01

Tot Ion: 76 Resp: 73064

Ion Ratio Lower Upper

76 100

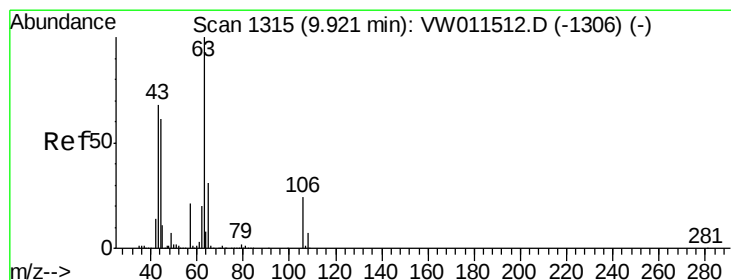
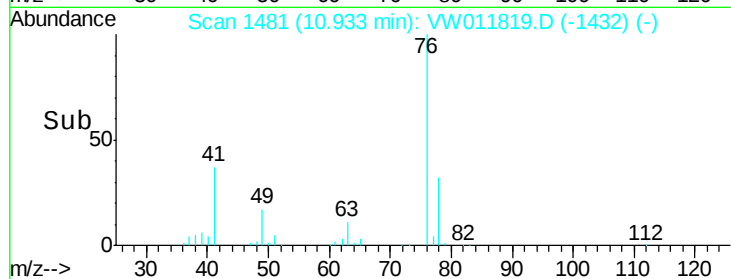
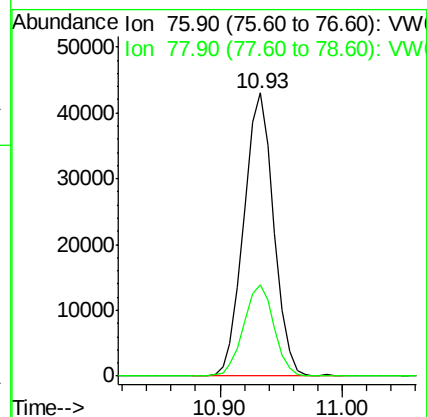
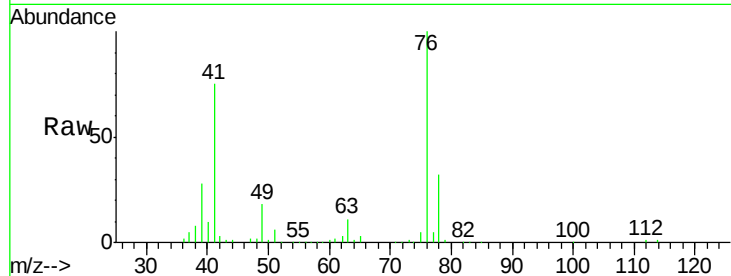
78 32.7 25.2 37.8

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#58

2-Chloroethyl Vinyl ether

Concen: 114.801 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. 0.01 min

Lab File: VW011819.D

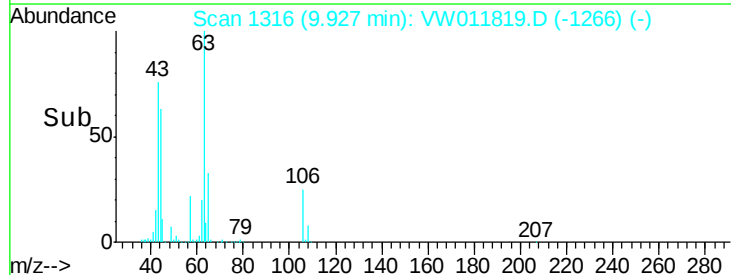
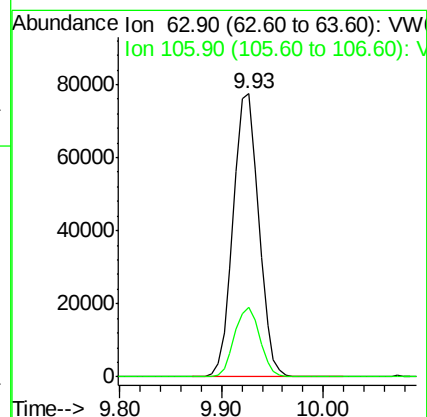
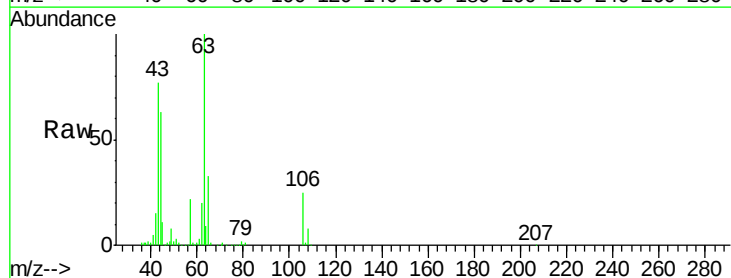
Acq: 09 Aug 2019 19:08

Tgt Ion: 63 Resp: 134706

Ion Ratio Lower Upper

63 100

106 24.5 19.7 29.5





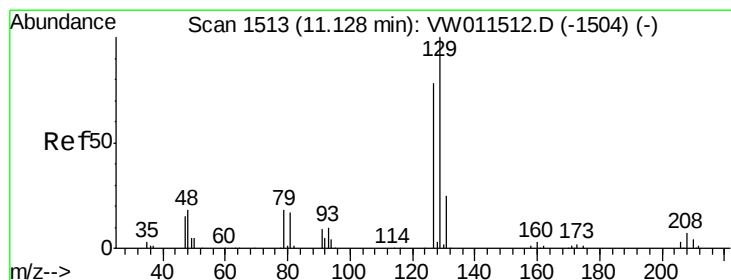
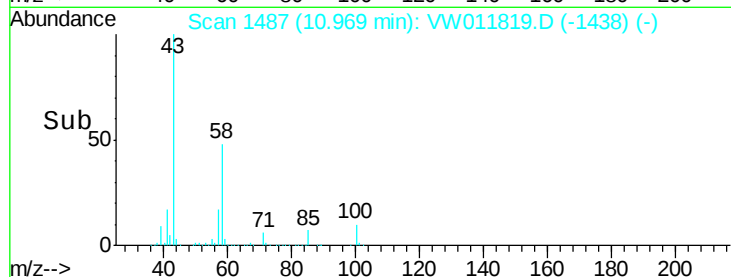
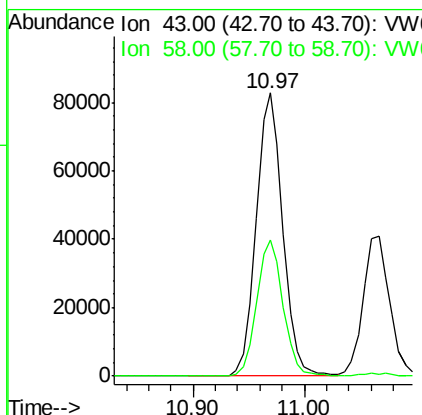
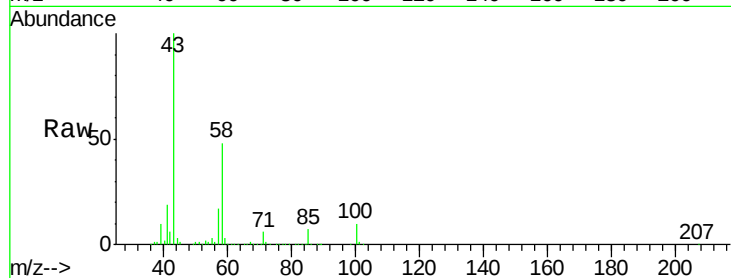
#59
2-Hexanone
Concen: 97.260 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW011819.D
Acq: 09 Aug 2019 19:08

Instrument :
MSVOA_W
ClientSampleId :
VW0812SBSD01

Tot Ion	43	Resp	137523
Ion Ratio	100	Lower	Upper
43	100		
58	47.8	24.3	72.9

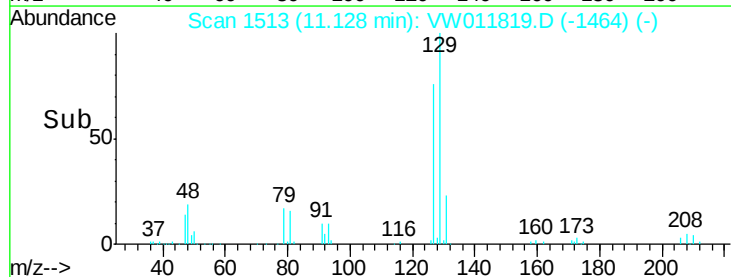
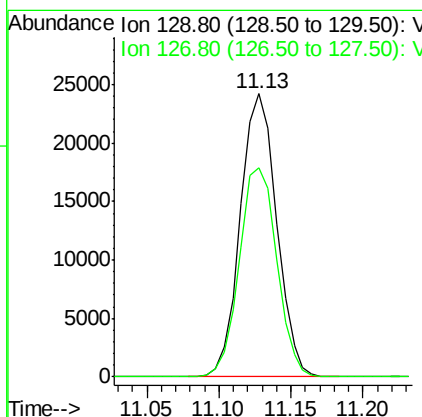
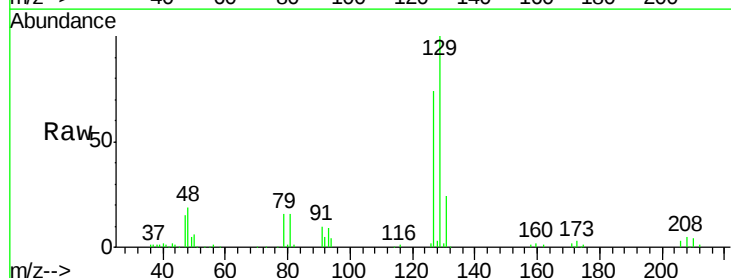
Manual Integrations
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#60
Dibromochloromethane
Concen: 21.633 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW011819.D
Acq: 09 Aug 2019 19:08

Tgt Ion	129	Resp	42409
Ion Ratio	100	Lower	Upper
129	100		
127	76.3	38.9	116.7





#61

1,2-Dibromoethane

Concen: 21.246 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW011819.D

Acq: 09 Aug 2019 19:08

Instrument :

MSVOA_W

ClientSampleId :

VW0812SBSD01

Tot Ion: 107 Resp: 35508

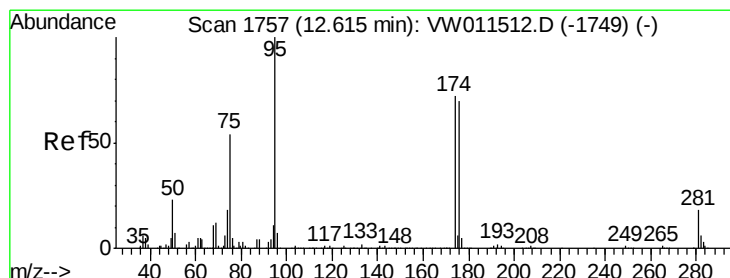
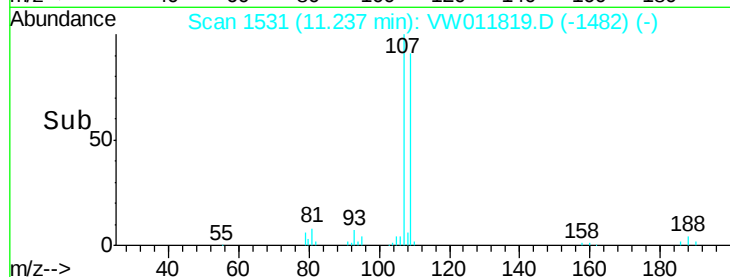
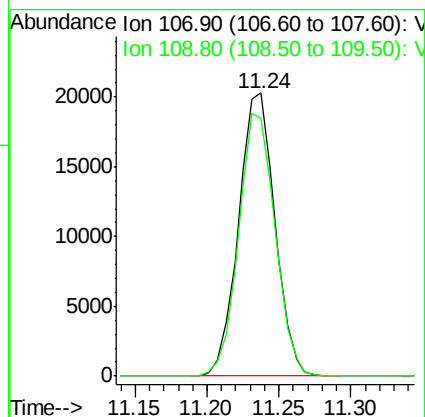
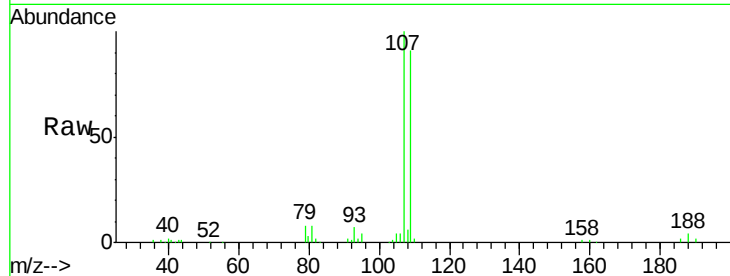
Ion Ratio Lower Upper

107 100

109 93.3 75.0 112.6

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#62

4-Bromofluorobenzene

Concen: 52.296 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW011819.D

Acq: 09 Aug 2019 19:08

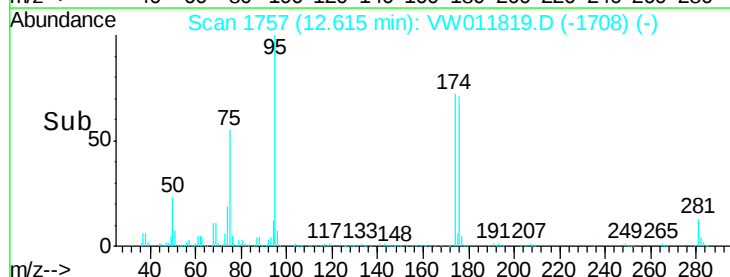
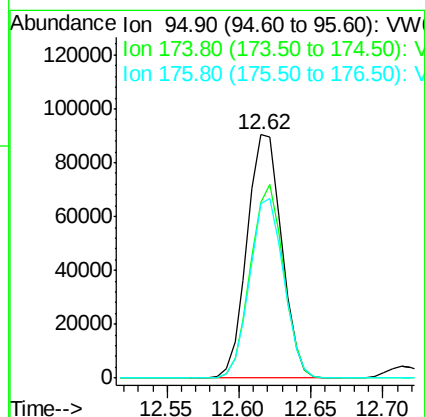
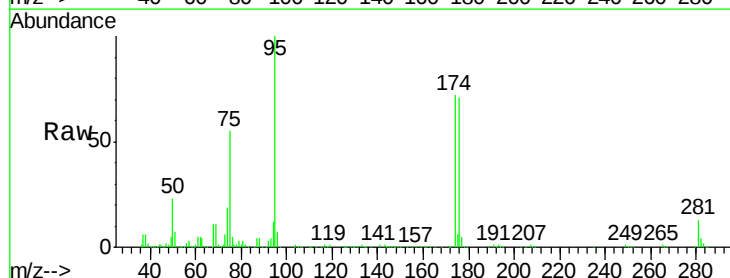
Tgt Ion: 95 Resp: 149866

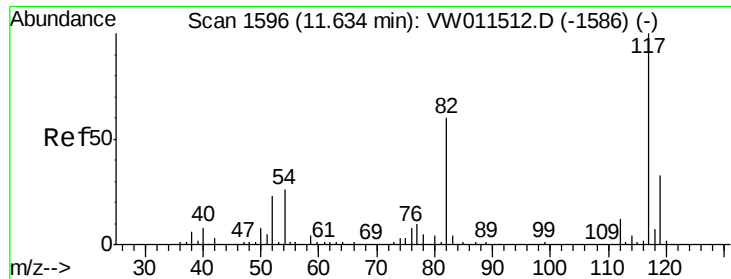
Ion Ratio Lower Upper

95 100

174 76.1 0.0 150.2

176 72.7 0.0 144.4





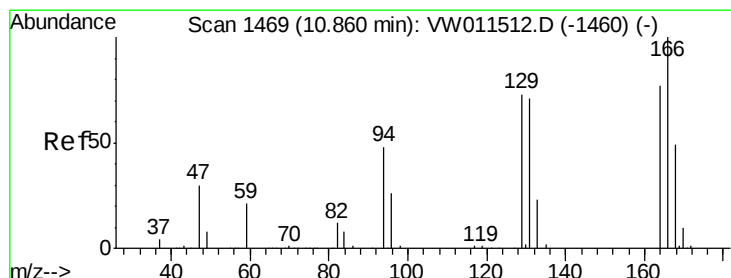
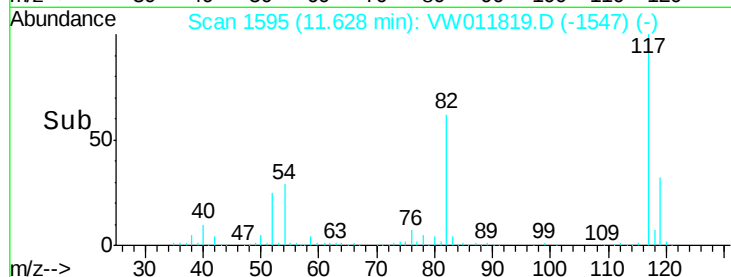
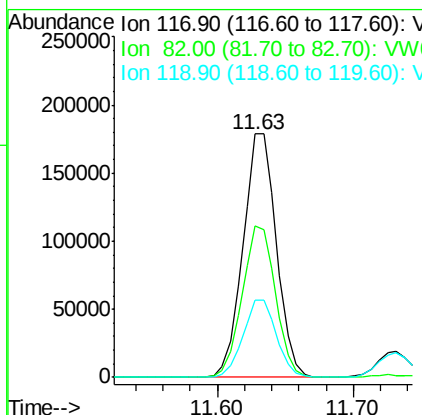
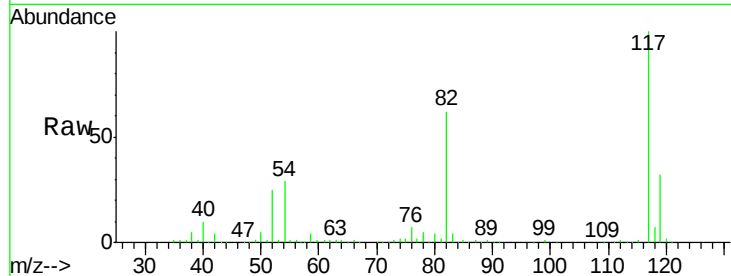
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW011819.D
Acq: 09 Aug 2019 19:08

Instrument :
MSVOA_W
ClientSampleId :
VW0812SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	306868		
82	62.1	47.9	71.9	
119	31.8	26.2	39.2	

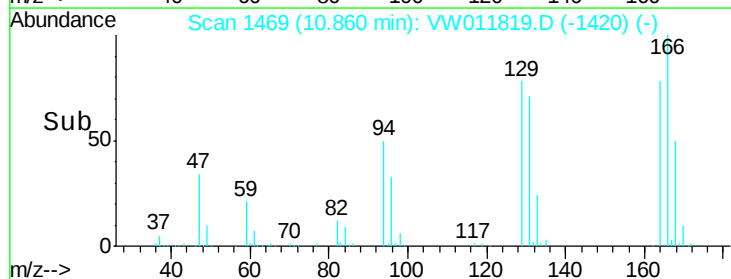
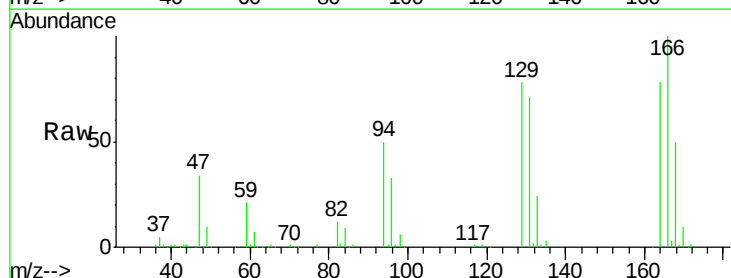
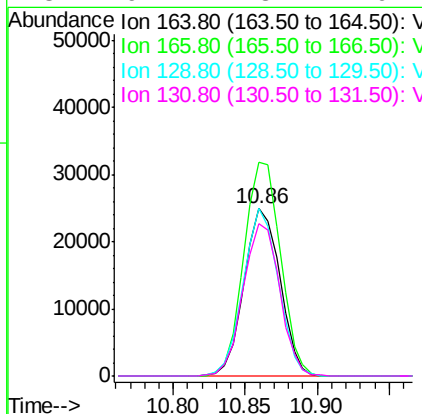
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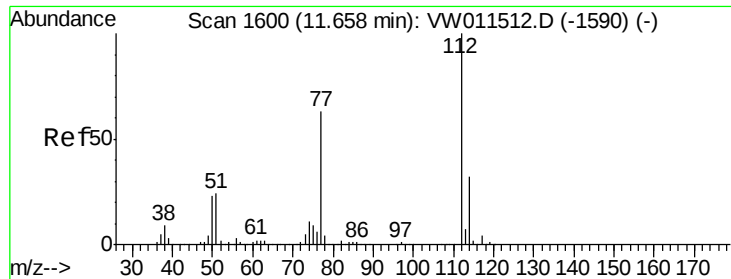
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#64
Tetrachloroethene
Concen: 21.550 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW011819.D
Acq: 09 Aug 2019 19:08

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	43057		
166	127.8	103.5	155.3	
129	100.0	75.2	112.8	
131	91.1	73.4	110.2	





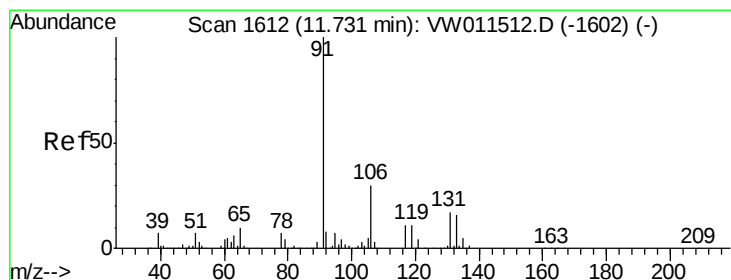
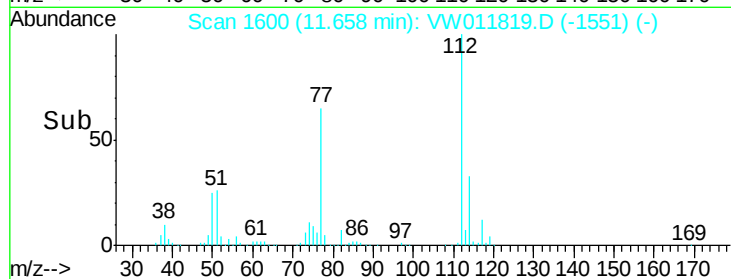
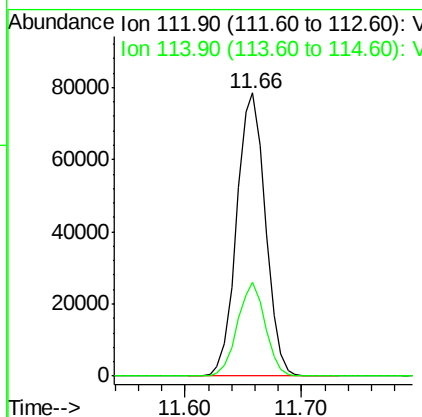
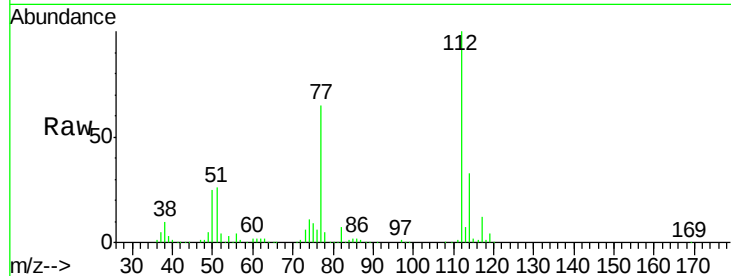
#65
Chlorobenzene
Concen: 21.900 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW011819.D
Acq: 09 Aug 2019 19:08

Instrument :
MSVOA_W
ClientSampleId :
VW0812SBSD01

Tot Ion:112 Resp: 135110
Ion Ratio Lower Upper
112 100
114 33.2 25.6 38.4

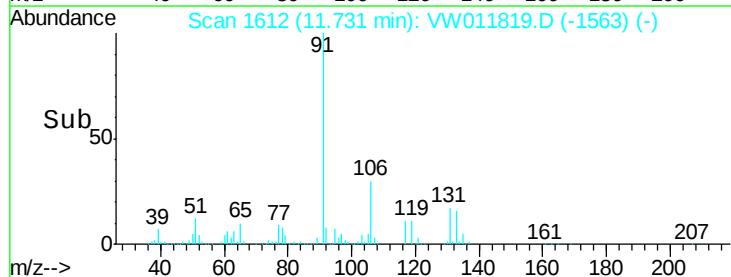
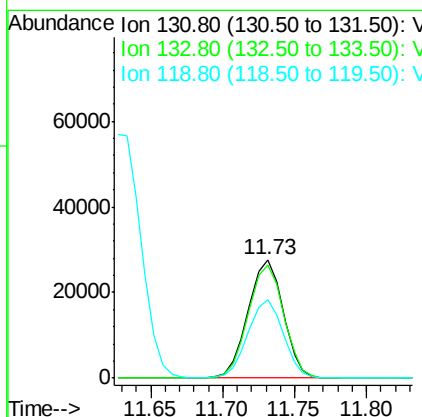
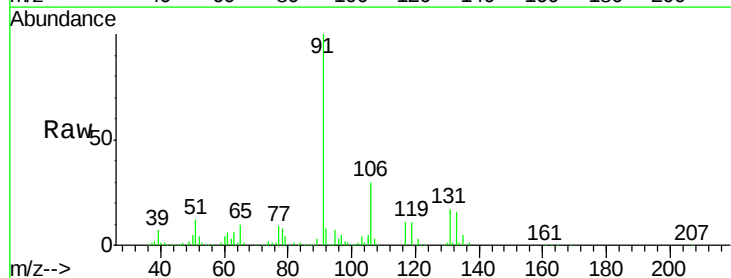
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.790 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011819.D
Acq: 09 Aug 2019 19:08

Tgt Ion:131 Resp: 46827
Ion Ratio Lower Upper
131 100
133 96.1 47.4 142.2
119 66.5 32.3 96.9





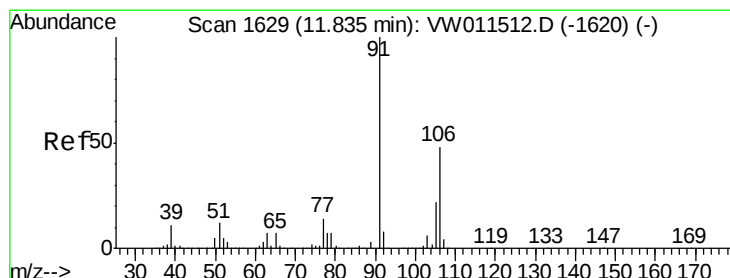
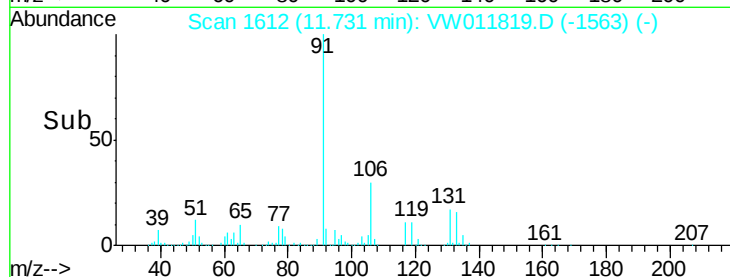
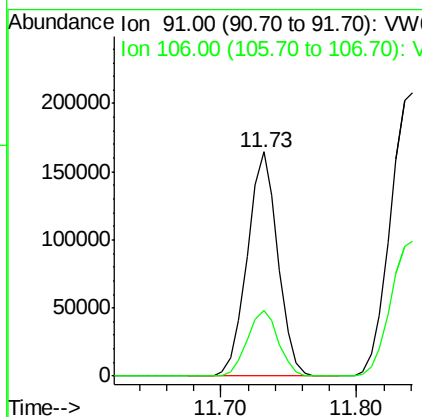
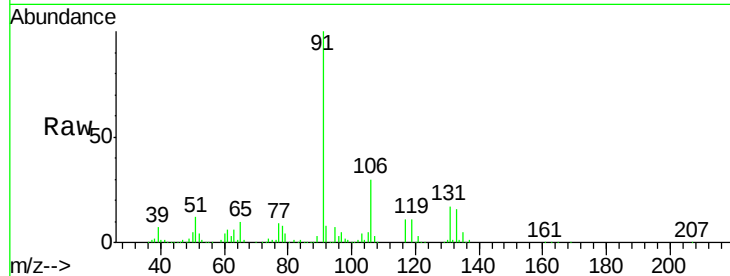
#67
Ethyl Benzene
Concen: 22.060 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011819.D
Acq: 09 Aug 2019 19:08

Instrument :
MSVOA_W
ClientSampleId :
VW0812SBSD01

Tot Ion: 91 Resp: 259208
Ion Ratio Lower Upper
91 100
106 29.6 23.8 35.6

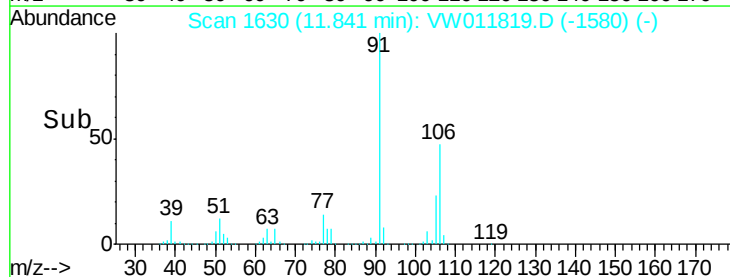
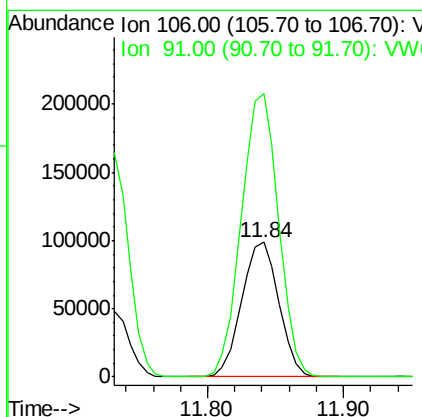
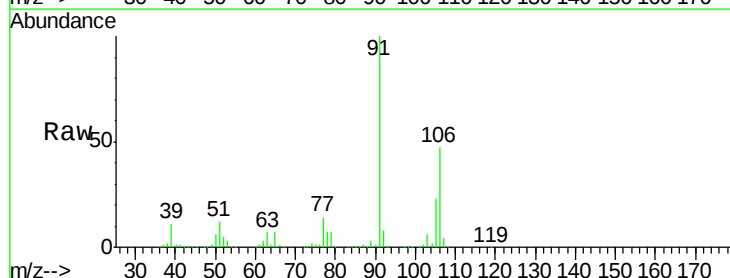
Manual Integrations
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#68
m/p-Xylenes
Concen: 44.228 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW011819.D
Acq: 09 Aug 2019 19:08

Tgt Ion: 106 Resp: 188991
Ion Ratio Lower Upper
106 100
91 210.5 168.2 252.2





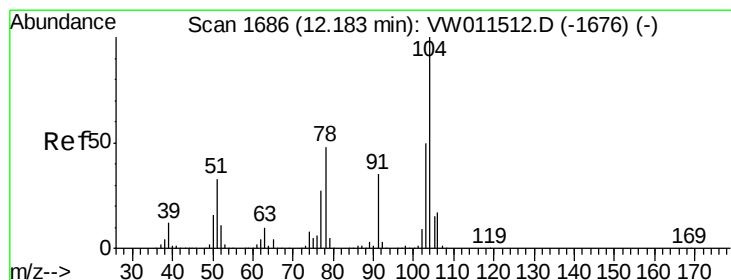
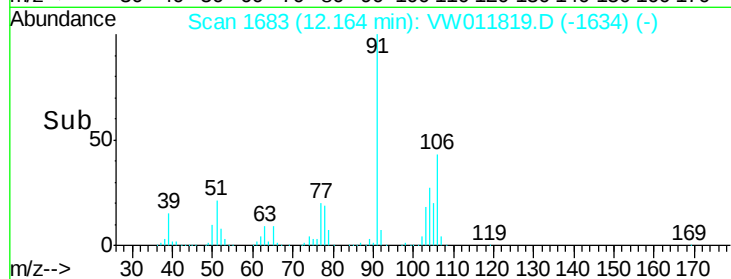
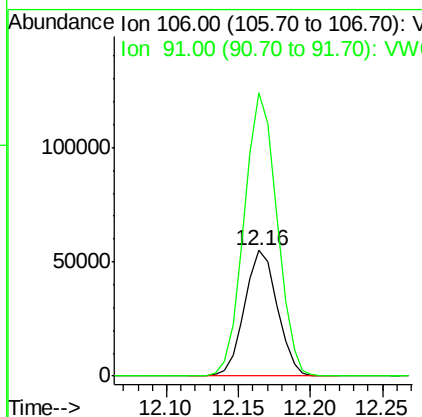
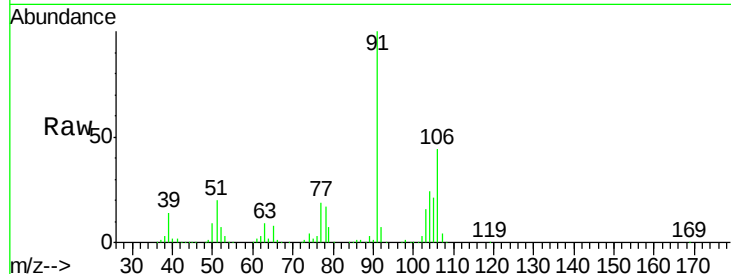
#69
o-Xylene
Concen: 21.812 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW011819.D
Acq: 09 Aug 2019 19:08

Instrument :
MSVOA_W
ClientSampleId :
VW0812SBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		86611		
91	226.3	110.5	331.5		

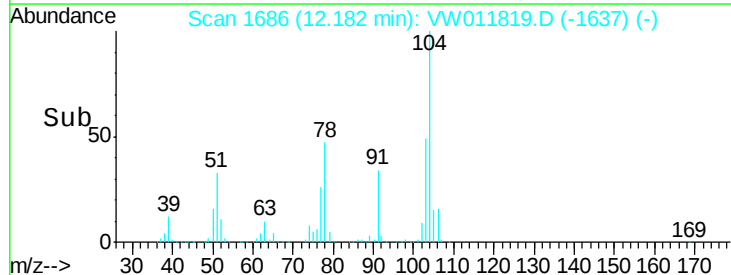
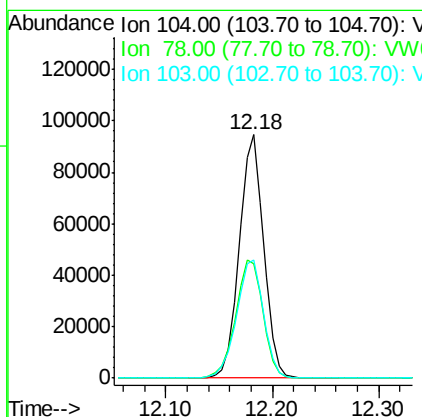
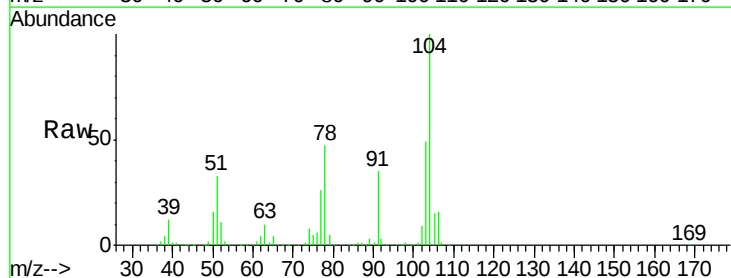
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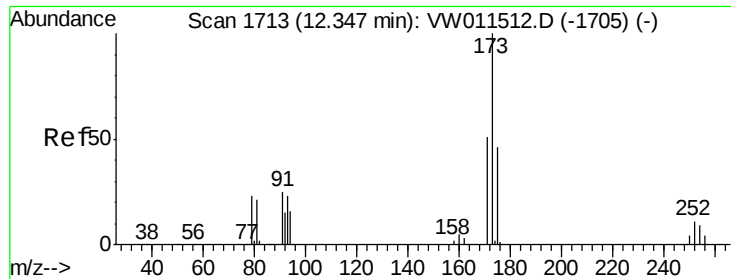
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#70
Styrene
Concen: 22.157 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW011819.D
Acq: 09 Aug 2019 19:08

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		152122		
78	54.5	43.4	65.0		
103	53.8	43.9	65.9		





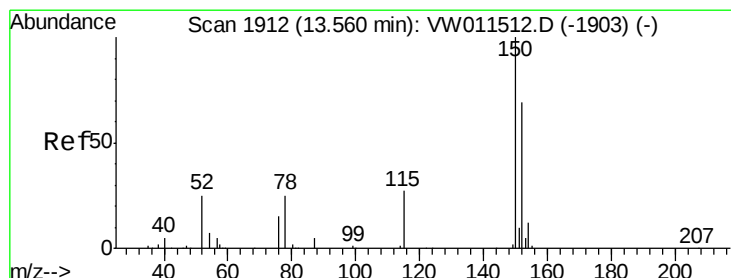
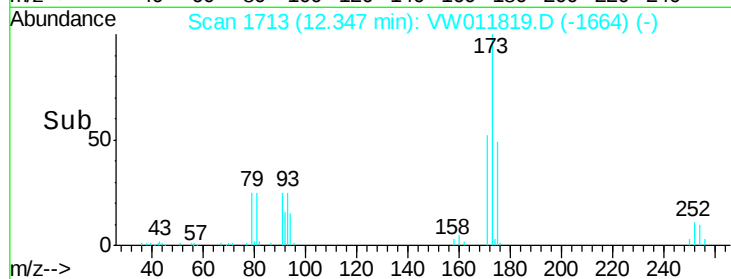
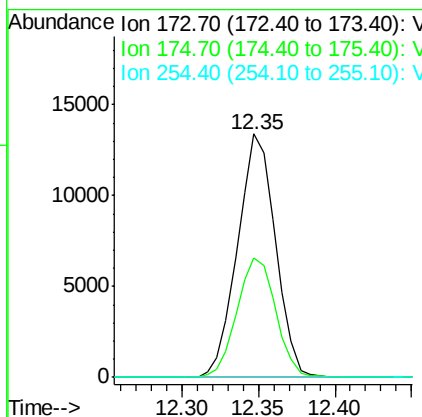
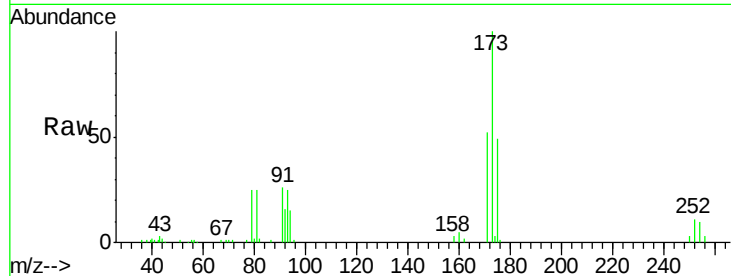
#71
Bromoform
Concen: 21.022 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW011819.D
Acq: 09 Aug 2019 19:08

Instrument :
MSVOA_W
ClientSampleId :
VW0812SBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.1	23.6	71.0
254	0.0	0.1	0.1#

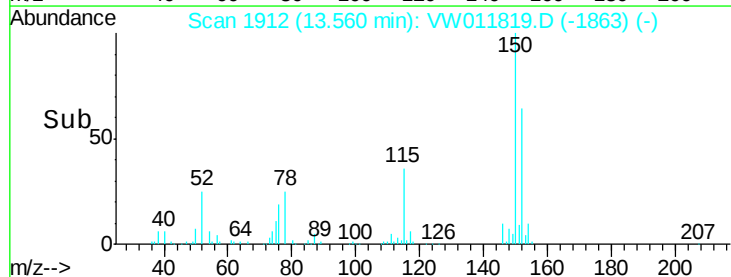
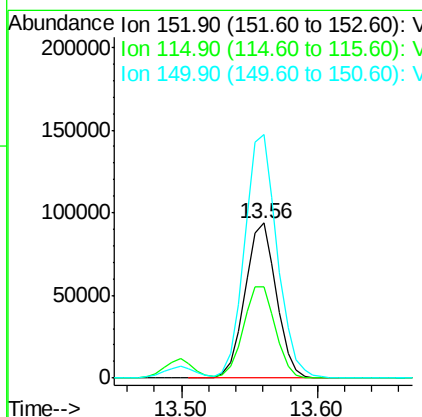
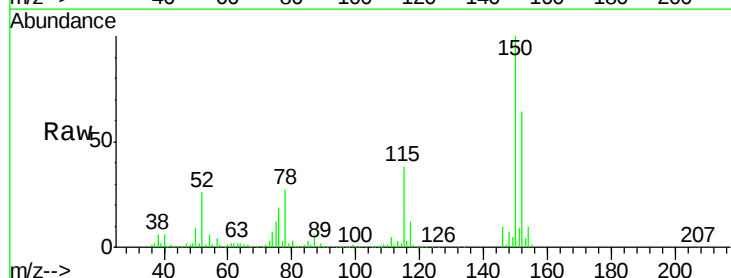
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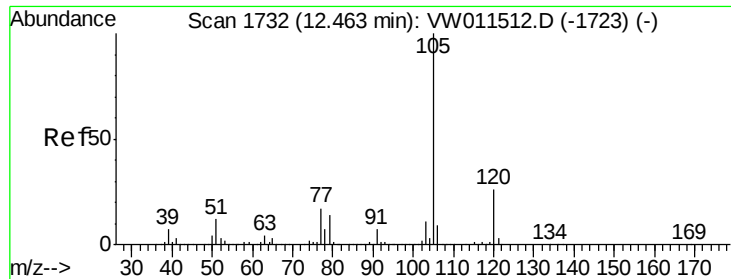
MMDadoda
8/13/2019 2:44:13 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW011819.D
Acq: 09 Aug 2019 19:08

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.4	30.5	91.5
150	163.7	0.0	352.6





#73

Isopropylbenzene

Concen: 21.600 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW011819.D

Acq: 09 Aug 2019 19:08

Instrument :

MSVOA_W

ClientSampleId :

VW0812SBSD01

Tot Ion: 105 Resp: 242805

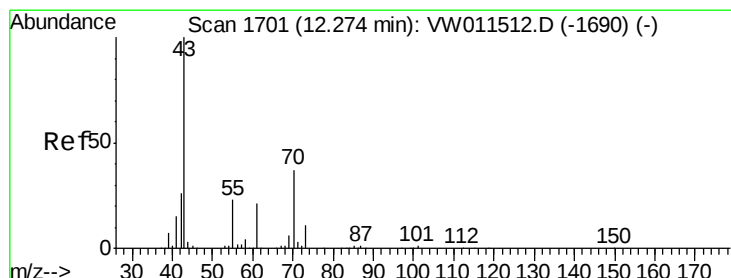
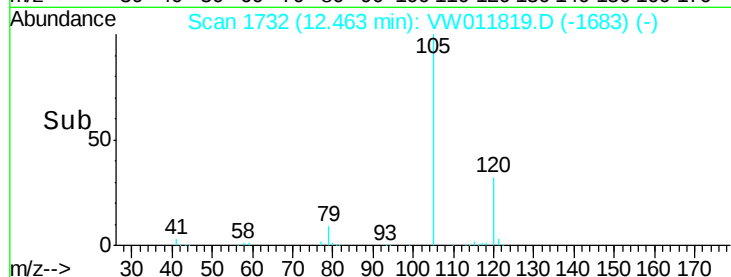
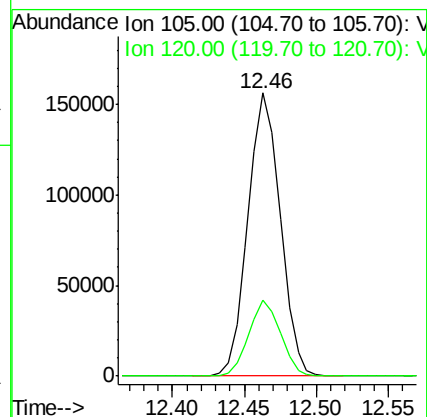
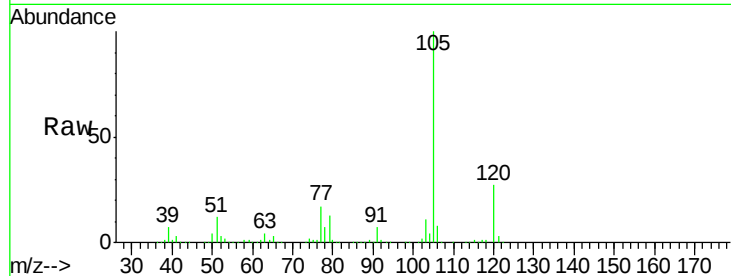
Ion Ratio Lower Upper

105 100

120 26.1 12.9 38.7

Manual Integrations
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#74

N-ethyl acetate

Concen: 20.462 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW011819.D

Acq: 09 Aug 2019 19:08

Tgt Ion: 43 Resp: 72010

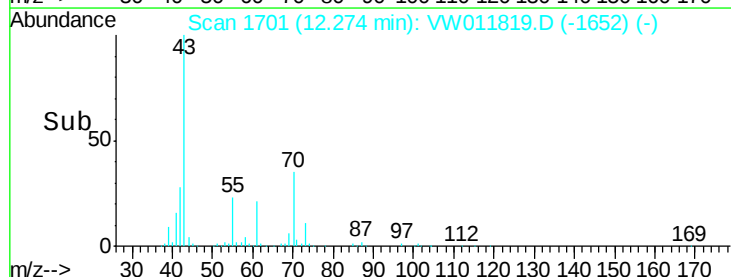
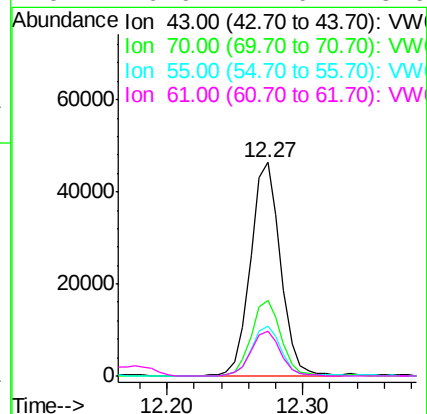
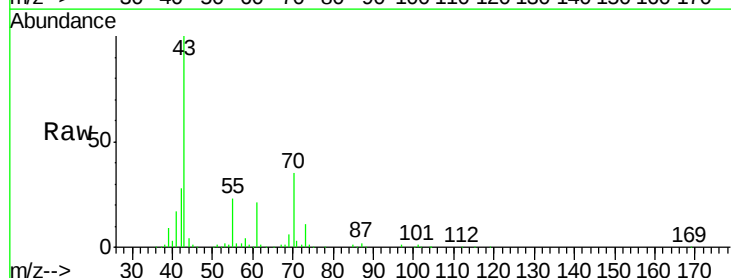
Ion Ratio Lower Upper

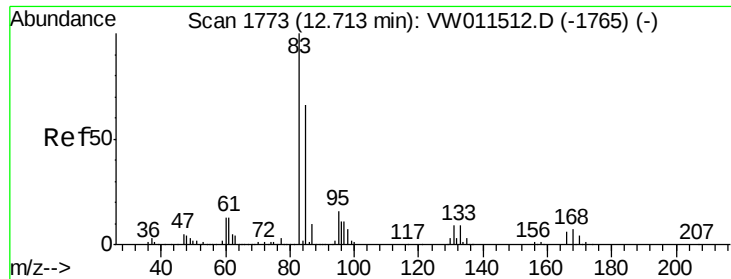
43 100

70 35.8 28.6 43.0

55 23.5 17.8 26.8

61 20.9 17.0 25.6





#75

1,1,2,2-Tetrachloroethane

Concen: 21.569 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW011819.D

Acq: 09 Aug 2019 19:08

Instrument :

MSVOA_W

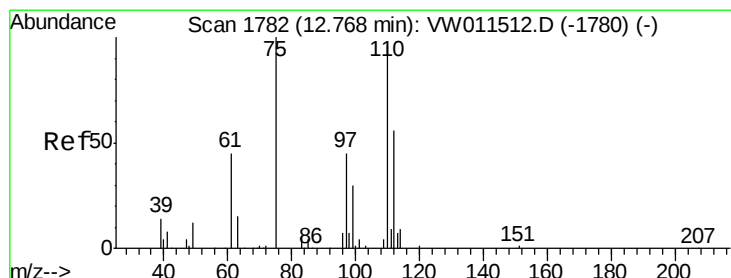
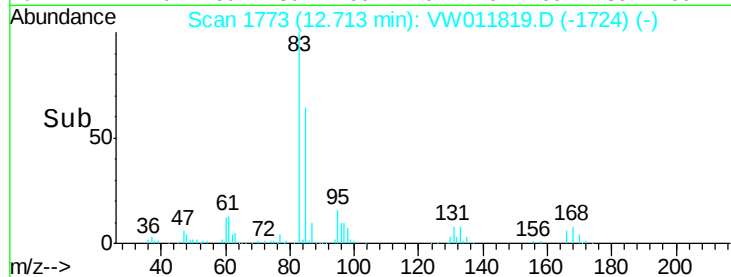
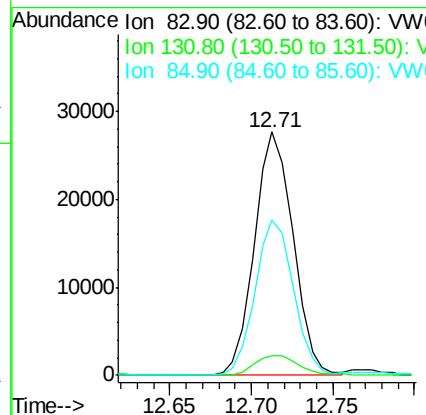
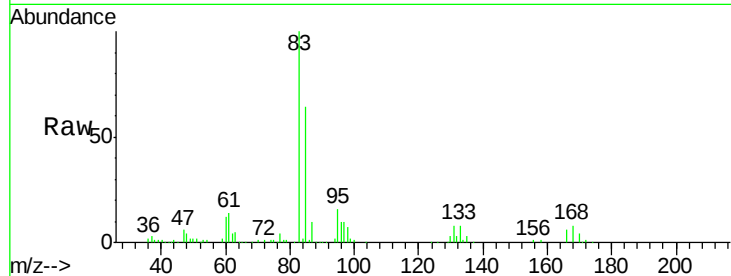
ClientSampleId :

VW0812SBSD01

Tot Ion:	83	Resp:	45606
Ion Ratio	Lower	Upper	
83	100		
131	9.3	4.9	14.6
85	63.8	31.8	95.4

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#76

1,2,3-Trichloropropane

Concen: 19.340 ug/l m

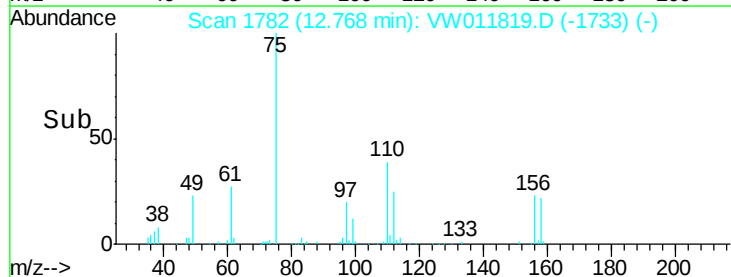
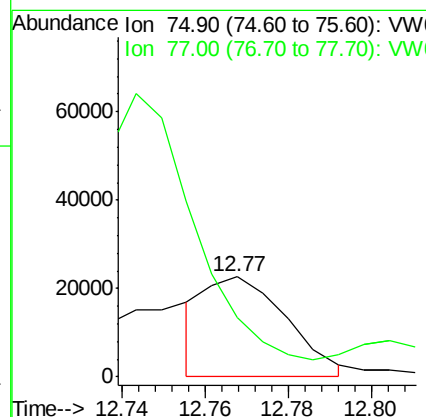
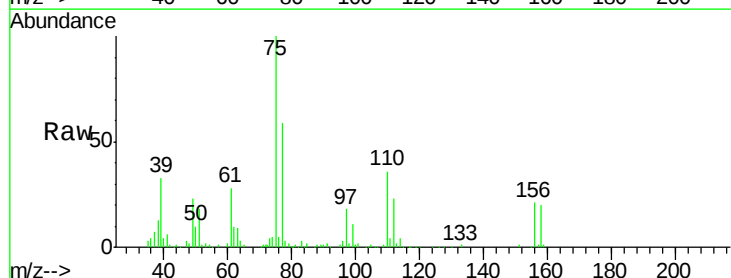
RT: 12.77 min Scan# 1782

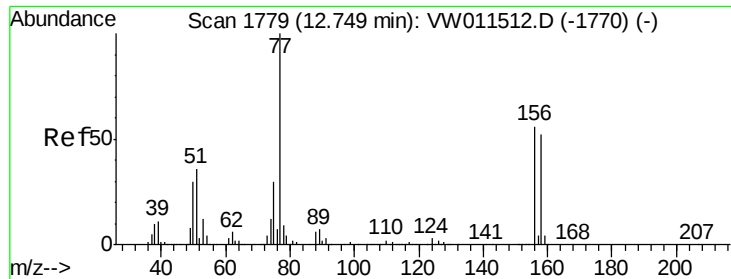
Delta R.T. -0.00 min

Lab File: VW011819.D

Acq: 09 Aug 2019 19:08

Tgt Ion:	75	Resp:	30834
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





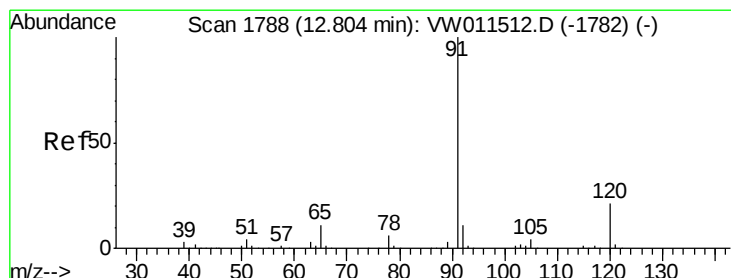
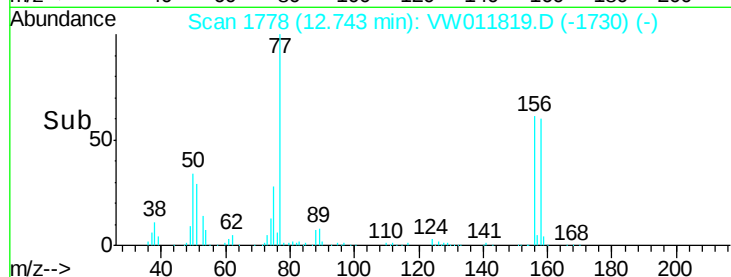
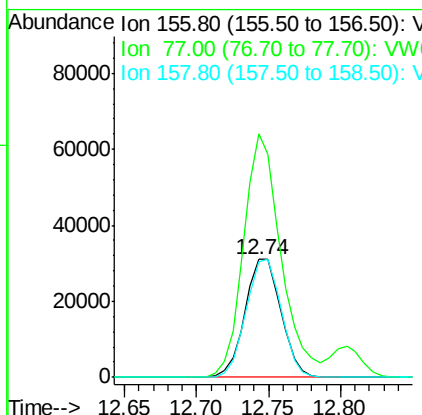
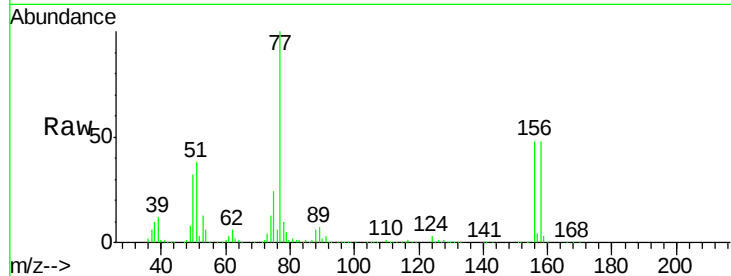
#77
Bromobenzene
Concen: 21.604 ug/l
RT: 12.74 min Scan# 1778
Delta R.T. -0.01 min
Lab File: VW011819.D
Acq: 09 Aug 2019 19:08

Instrument :
MSVOA_W
ClientSampleId :
VW0812SBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	214.5	106.5	319.4
158	97.8	48.0	144.2

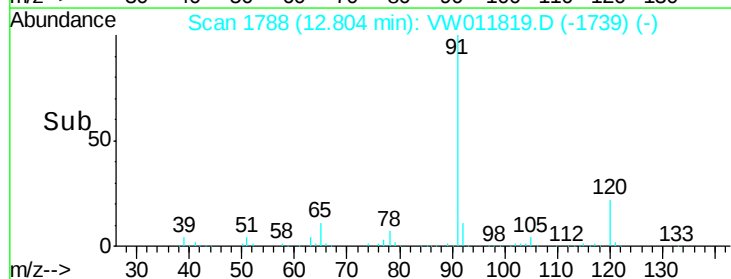
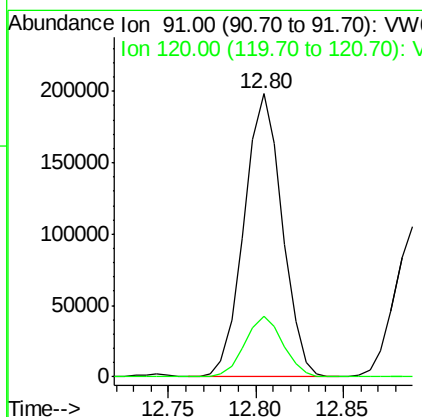
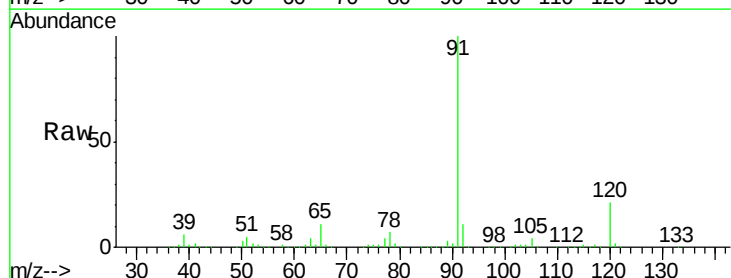
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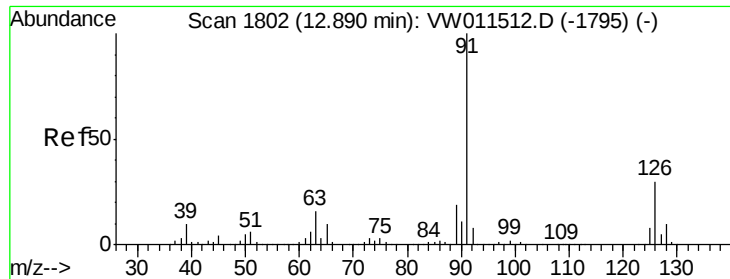
MMDadoda
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#78
n-propylbenzene
Concen: 21.950 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW011819.D
Acq: 09 Aug 2019 19:08

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.5	10.9	32.7





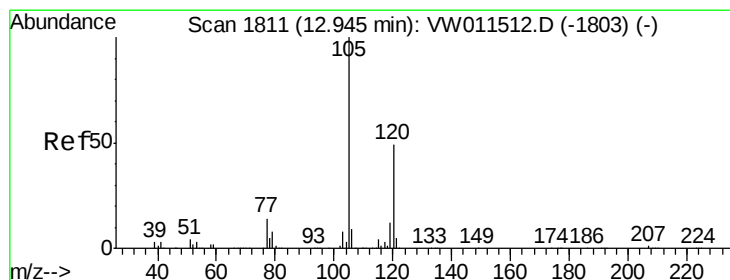
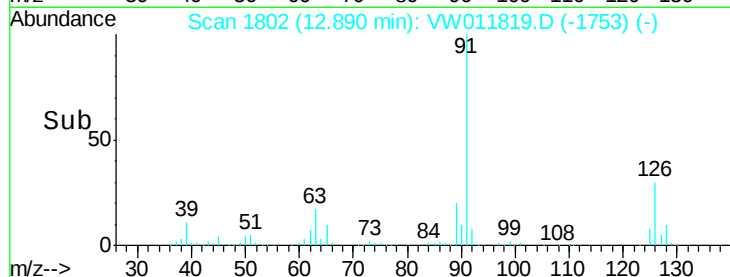
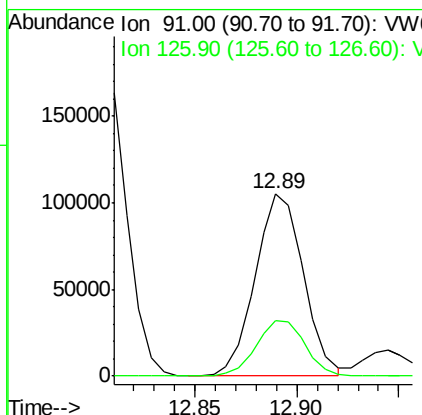
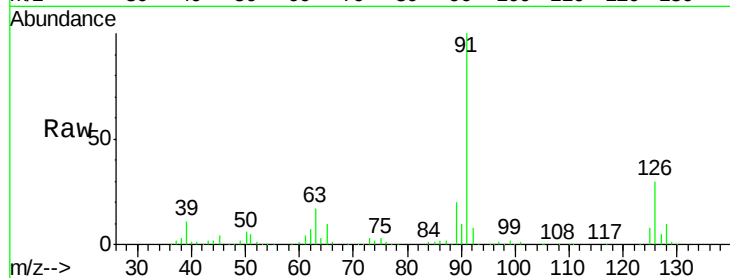
#79
 2-Chlorotoluene
 Concen: 21.892 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VW011819.D
 Acq: 09 Aug 2019 19:08

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0812SBSD01

Tot Ion: 91 Resp: 172535
 Ion Ratio Lower Upper
 91 100
 126 31.1 15.7 47.1

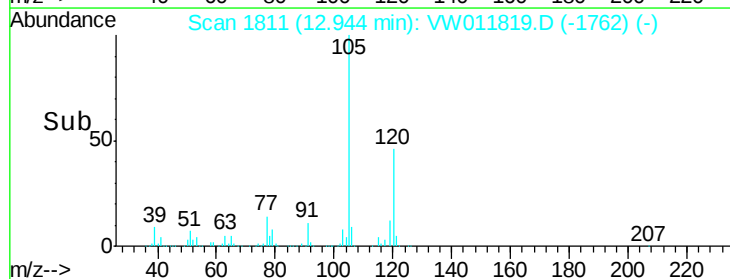
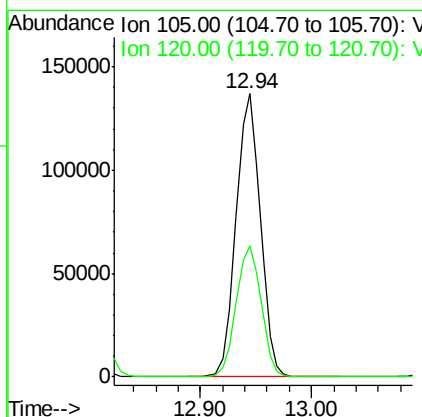
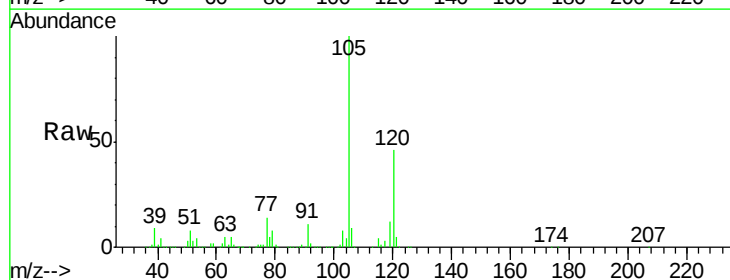
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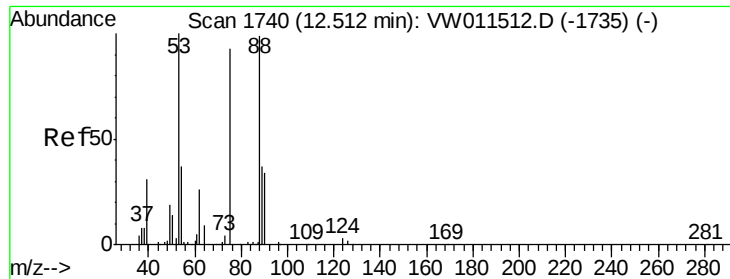
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#80
 1,3,5-Trimethylbenzene
 Concen: 21.984 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW011819.D
 Acq: 09 Aug 2019 19:08

Tgt Ion:105 Resp: 207153
 Ion Ratio Lower Upper
 105 100
 120 47.6 24.1 72.3





#81

trans-1,4-Dichloro-2-butene

Concen: 20.346 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW011819.D

Acq: 09 Aug 2019 19:08

Instrument :

MSVOA_W

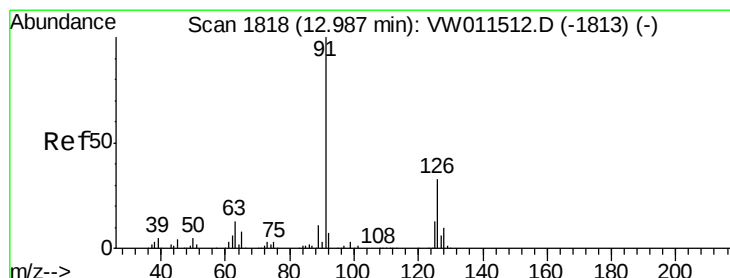
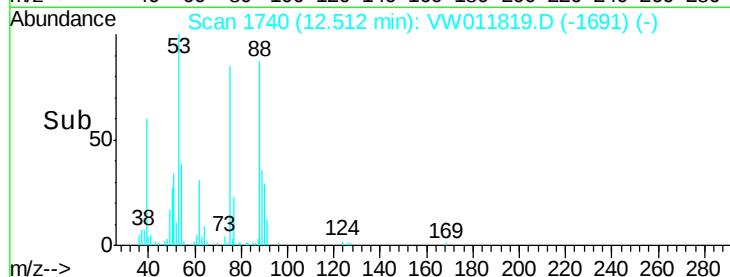
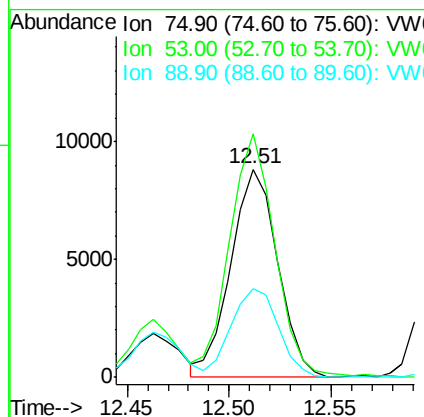
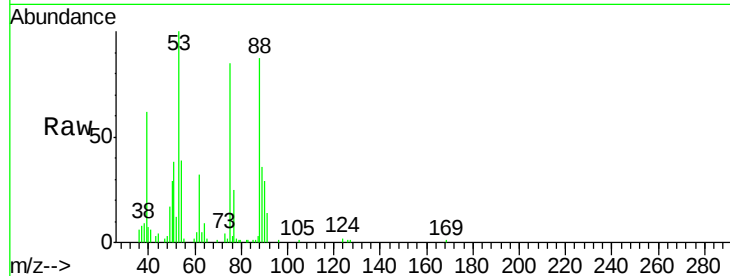
ClientSampleId :

VW0812SBSD01

Tot Ion:	75	Resp:	14075
Ion Ratio	Lower	Upper	
75	100		
53	114.2	88.0	132.0
89	43.0	35.3	52.9

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#82

4-Chlorotoluene

Concen: 22.185 ug/l

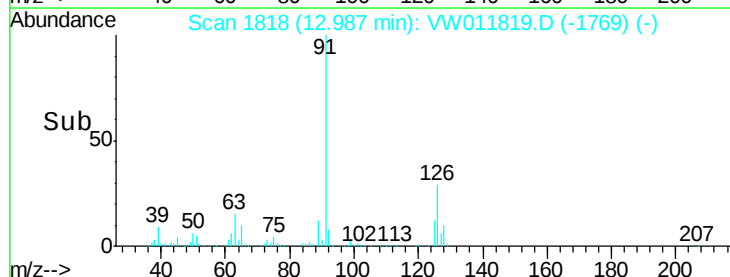
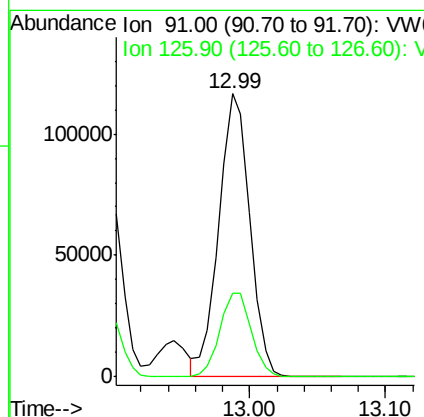
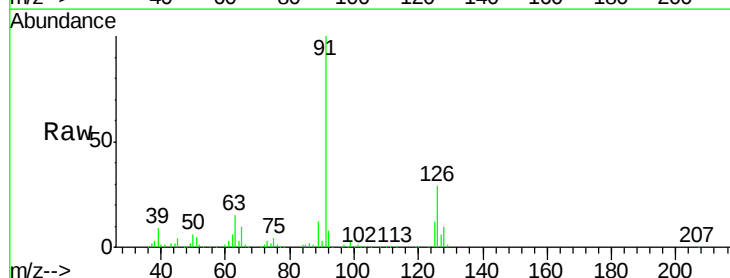
RT: 12.99 min Scan# 1818

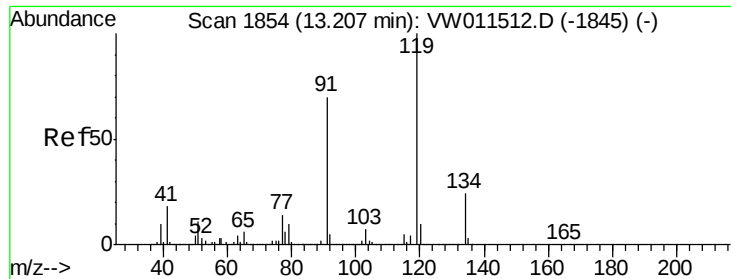
Delta R.T. -0.00 min

Lab File: VW011819.D

Acq: 09 Aug 2019 19:08

Tgt Ion:	91	Resp:	183450
Ion Ratio	Lower	Upper	
91	100		
126	30.3	15.6	46.8





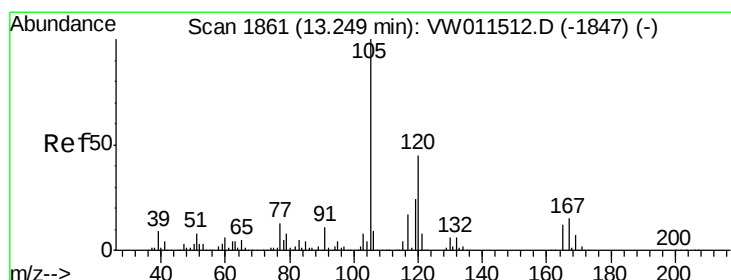
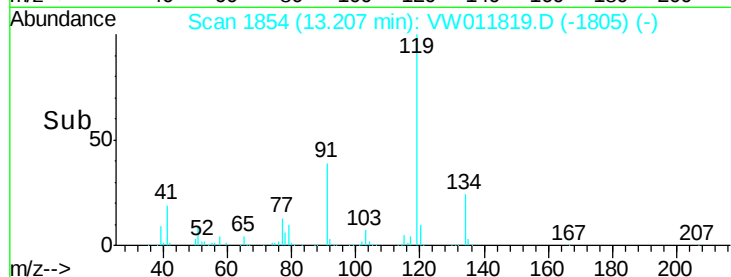
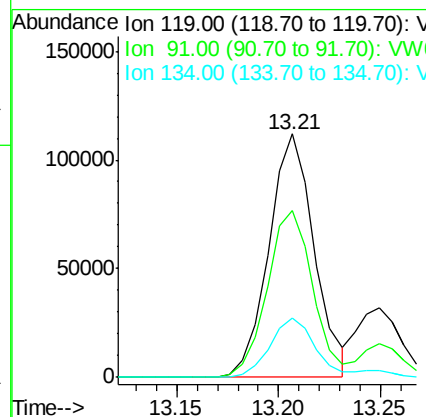
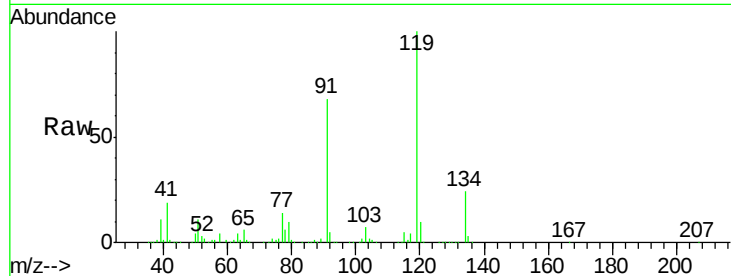
#83
 tert-Butylbenzene
 Concen: 21.971 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW011819.D
 Acq: 09 Aug 2019 19:08

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0812SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	173121		
91	68.8	34.5	103.6	
134	24.4	12.4	37.4	

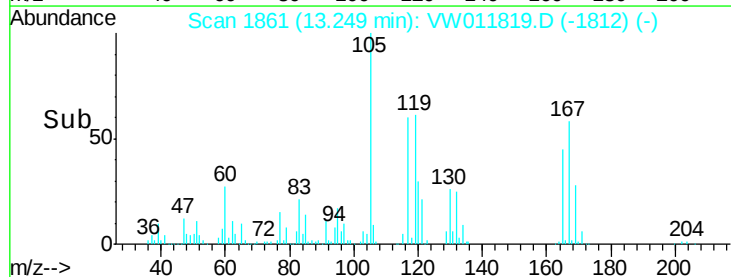
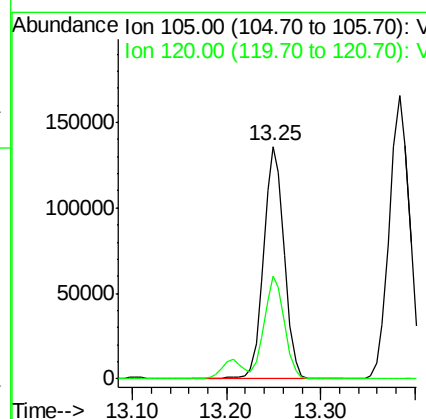
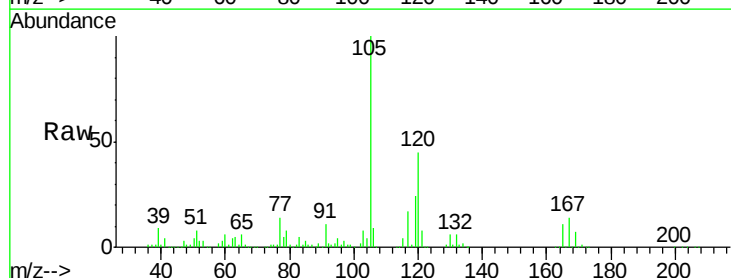
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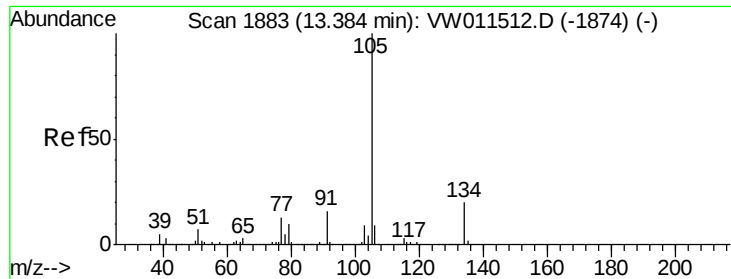
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#84
 1,2,4-Trimethylbenzene
 Concen: 22.074 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW011819.D
 Acq: 09 Aug 2019 19:08

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	209529		
120	43.2	22.1	66.5	





#85

sec-Butylbenzene

Concen: 22.205 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW011819.D

Acq: 09 Aug 2019 19:08

Instrument :

MSVOA_W

ClientSampleId :

VW0812SBSD01

Tot Ion:105 Resp: 249661

Ion Ratio Lower Upper

105 100

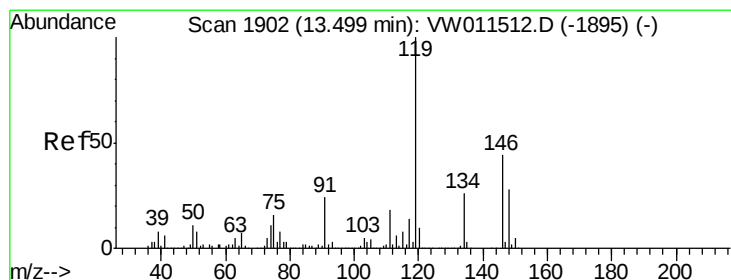
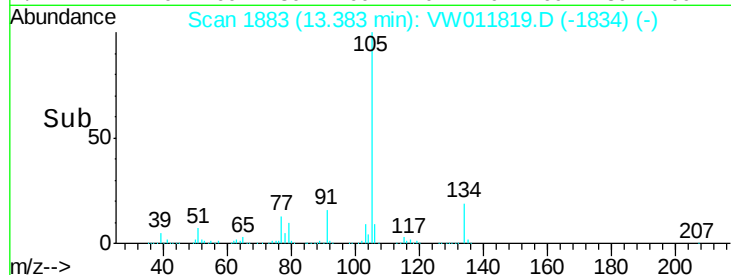
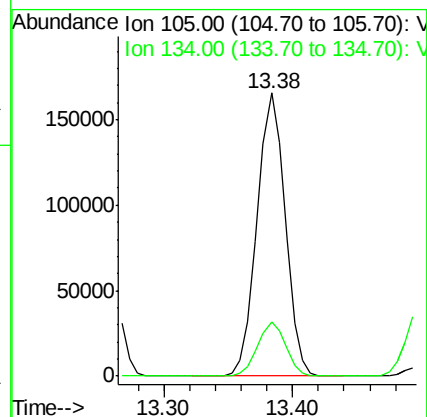
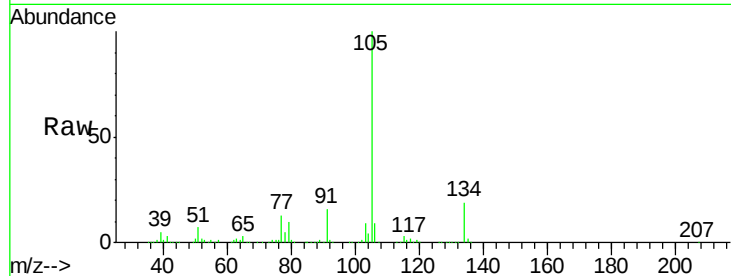
134 19.1 9.7 29.1

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#86

p-Isopropyltoluene

Concen: 21.628 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW011819.D

Acq: 09 Aug 2019 19:08

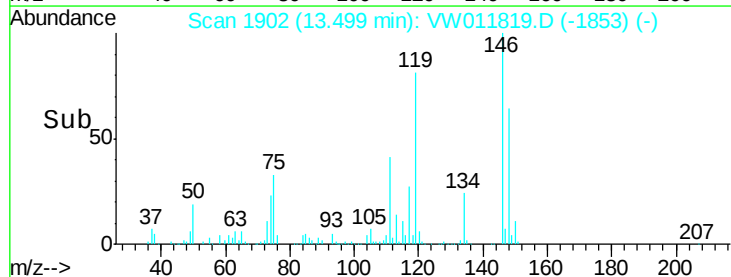
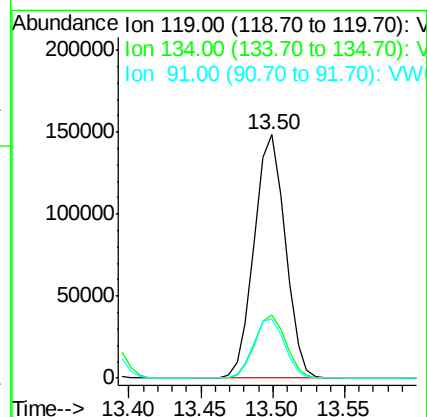
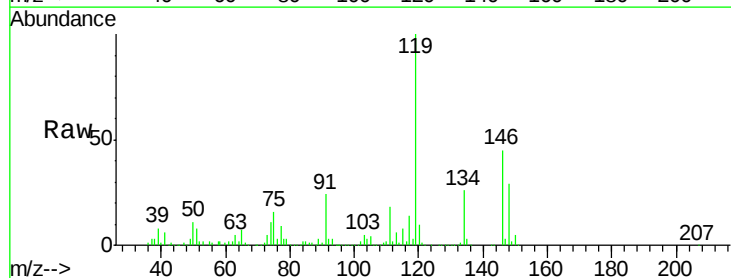
Tgt Ion:119 Resp: 220627

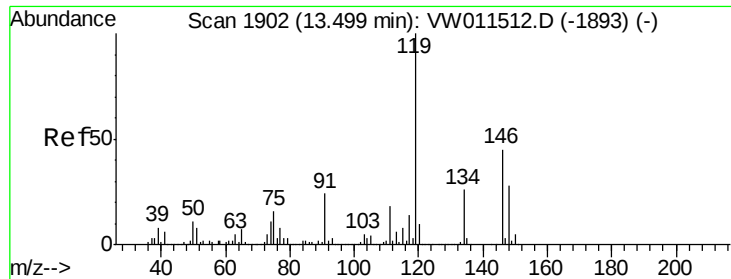
Ion Ratio Lower Upper

119 100

134 26.1 12.8 38.4

91 24.9 12.1 36.3





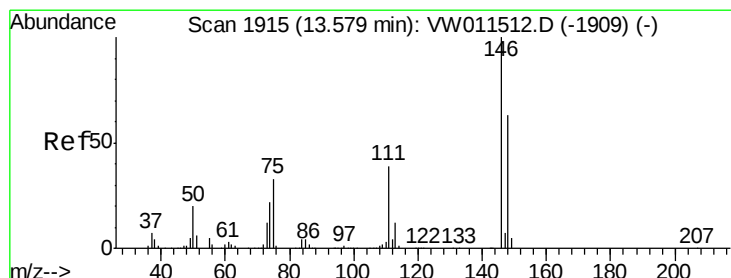
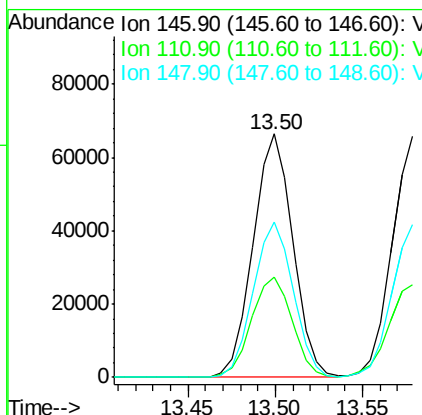
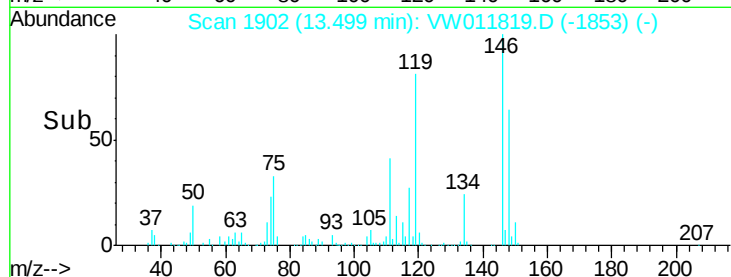
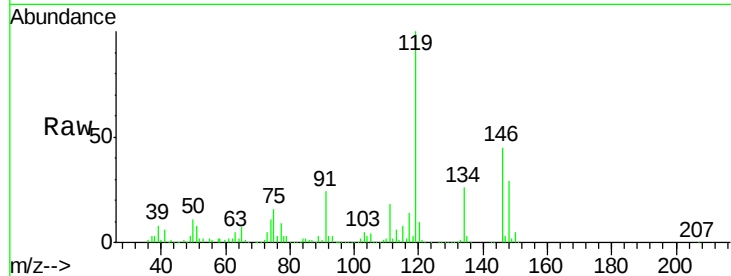
#87
 1,3-Dichlorobenzene
 Concen: 21.497 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW011819.D
 Acq: 09 Aug 2019 19:08

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0812SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.4	20.5	61.6
148	64.4	31.8	95.3

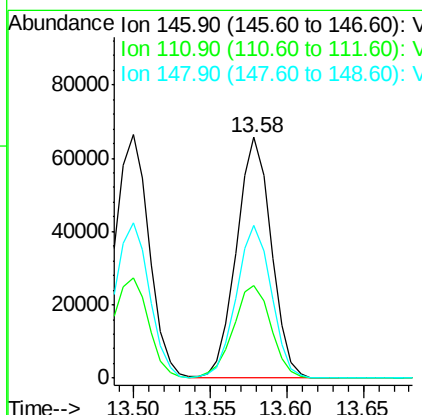
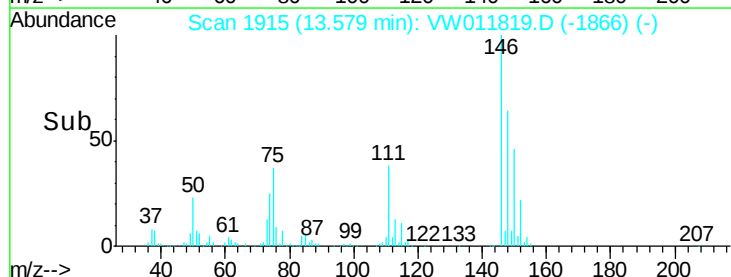
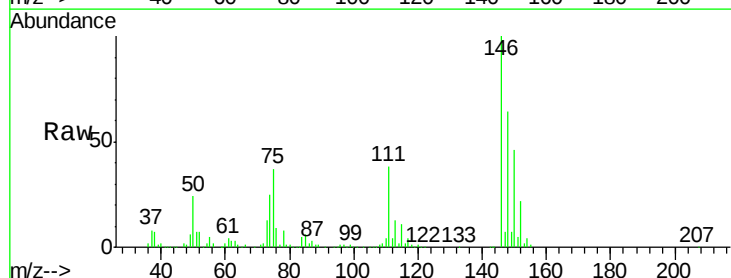
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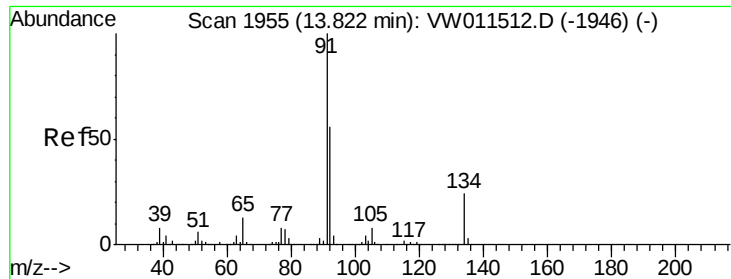
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#88
 1,4-Dichlorobenzene
 Concen: 21.420 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW011819.D
 Acq: 09 Aug 2019 19:08

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.1	60.2
148	64.1	31.9	95.9





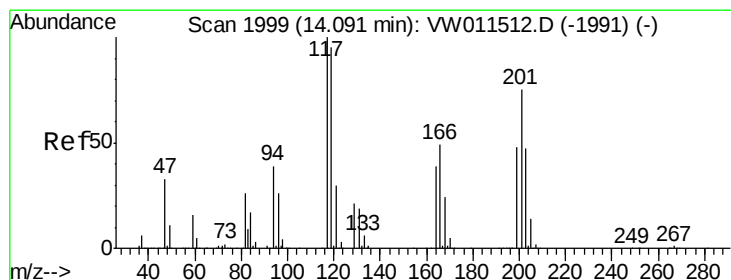
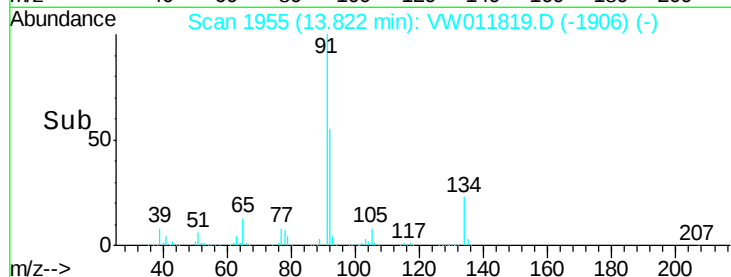
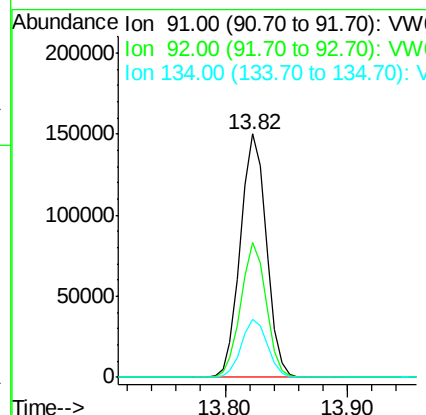
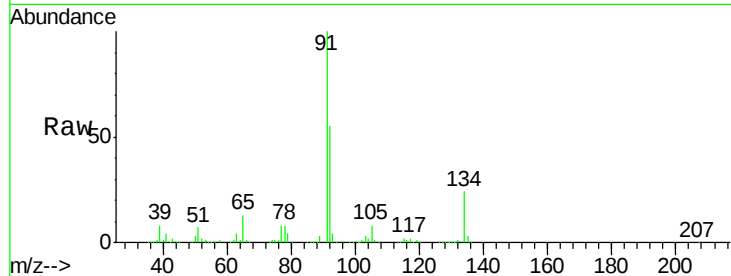
#89
n-Butylbenzene
Concen: 21.598 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW011819.D
Acq: 09 Aug 2019 19:08

Instrument :
MSVOA_W
ClientSampleId :
VW0812SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	219872		
92	54.2		27.5	82.4
134	24.0		12.2	36.6

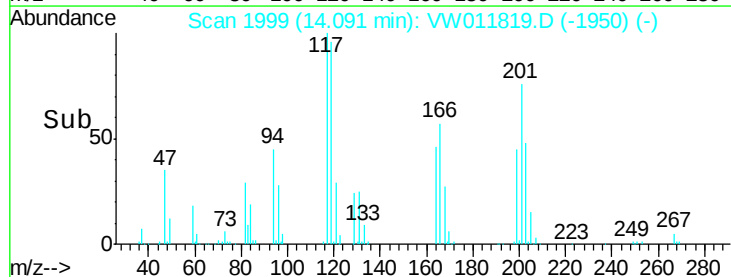
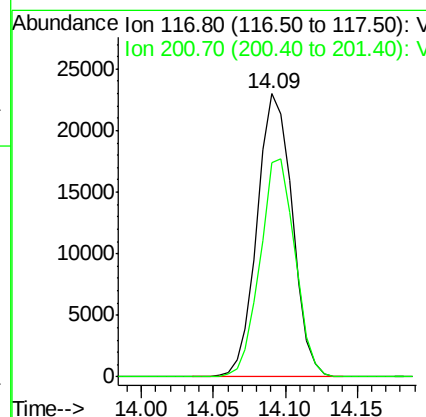
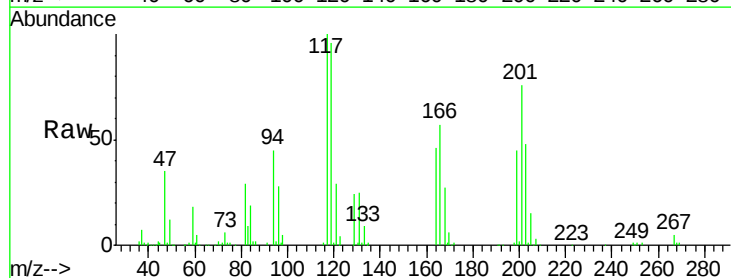
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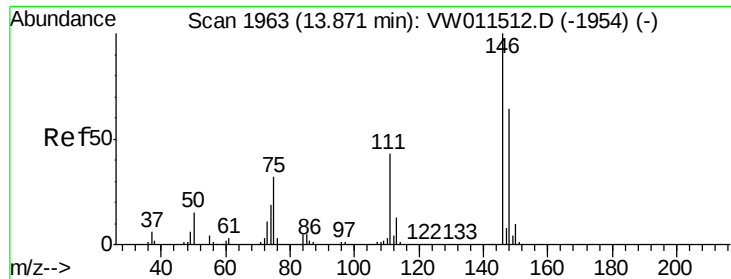
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#90
Hexachloroethane
Concen: 21.466 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW011819.D
Acq: 09 Aug 2019 19:08

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	38721		
201	76.7		39.4	118.2





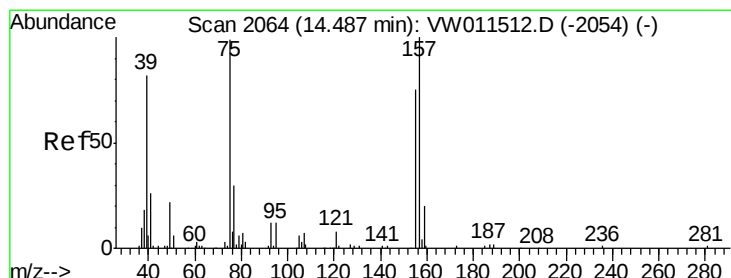
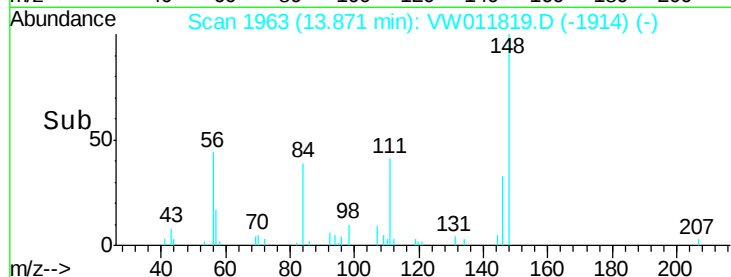
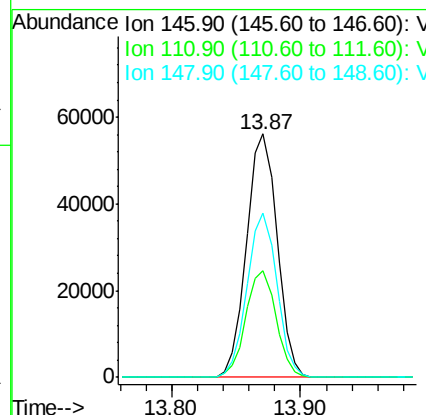
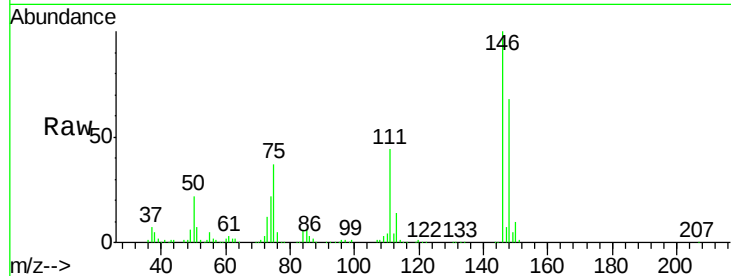
#91
 1,2-Dichlorobenzene
 Concen: 21.322 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW011819.D
 Acq: 09 Aug 2019 19:08

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0812SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.6	21.6	65.0
148	66.1	32.0	96.2

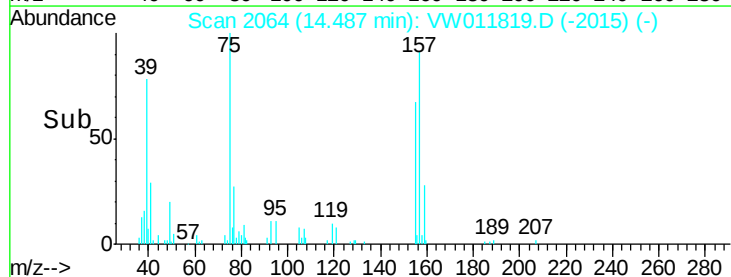
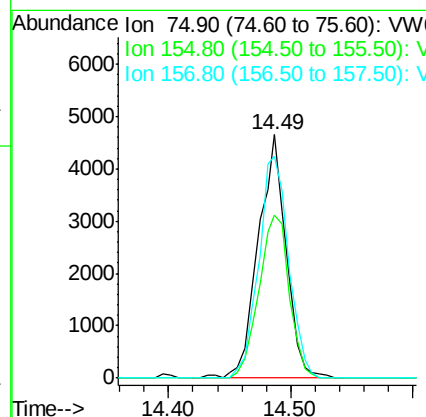
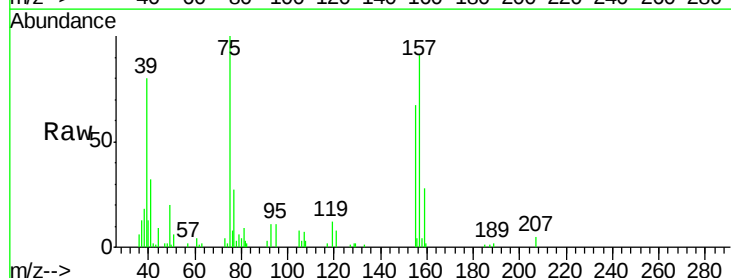
Manual Integrations
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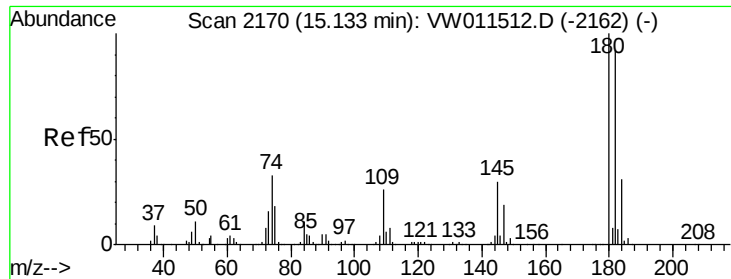
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.540 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW011819.D
 Acq: 09 Aug 2019 19:08

Tgt Ion	Ratio	Lower	Upper
75	100		
155	72.6	38.2	114.6
157	97.7	48.9	146.7





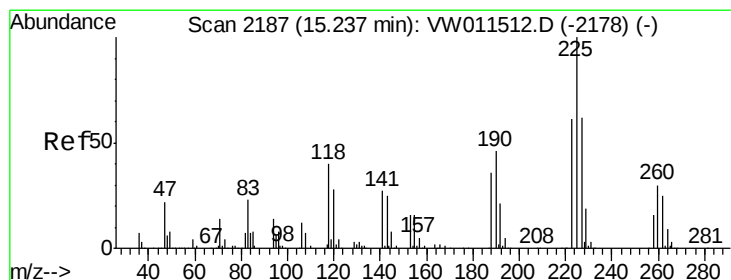
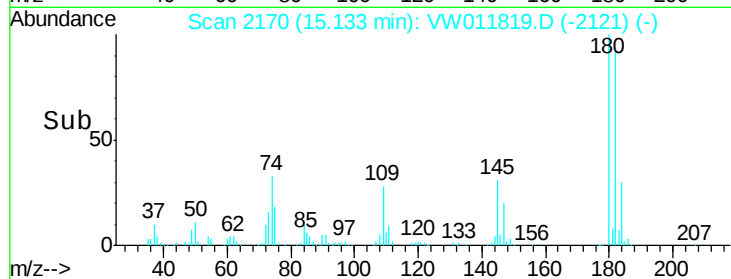
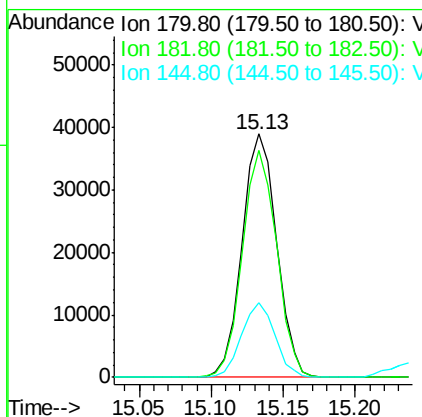
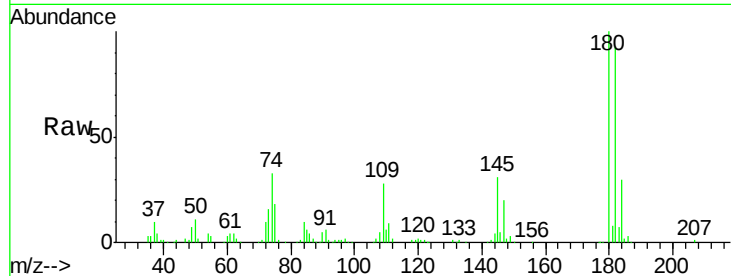
#93
 1,2,4-Trichlorobenzene
 Concen: 21.345 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW011819.D
 Acq: 09 Aug 2019 19:08

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0812SBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.3	47.4	142.2
145	29.7	15.4	46.1

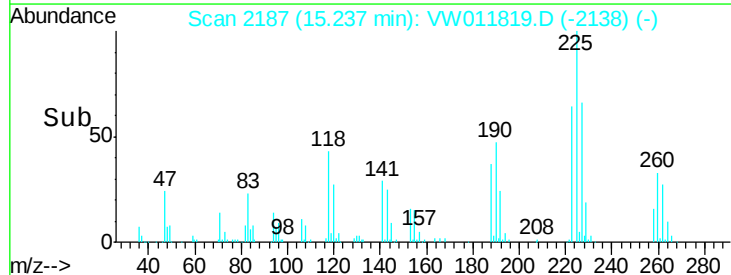
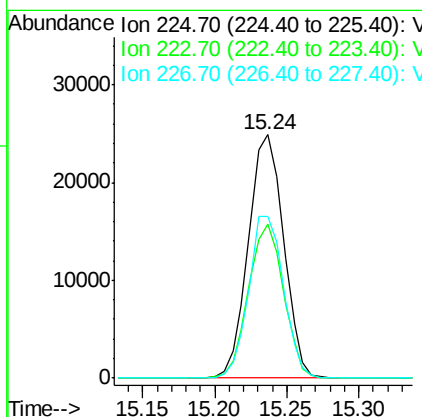
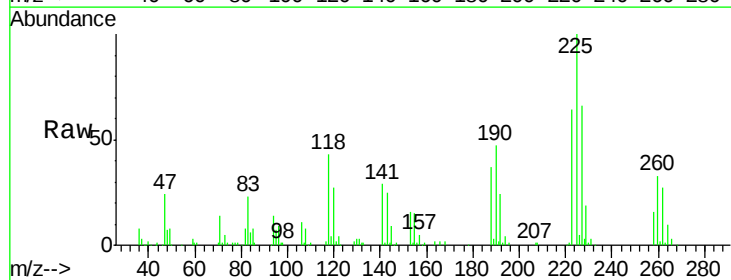
Manual Integrations
 APPROVED

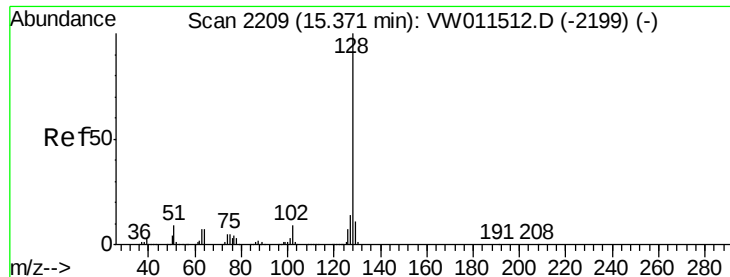
MMDadoda
 8/13/2019 2:44:13 PM



#94
 Hexachlorobutadiene
 Concen: 22.255 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW011819.D
 Acq: 09 Aug 2019 19:08

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	30.8	92.3
227	65.7	31.6	94.7





#95

Naphthalene

Concen: 20.014 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW011819.D

Acq: 09 Aug 2019 19:08

Instrument :

MSVOA_W

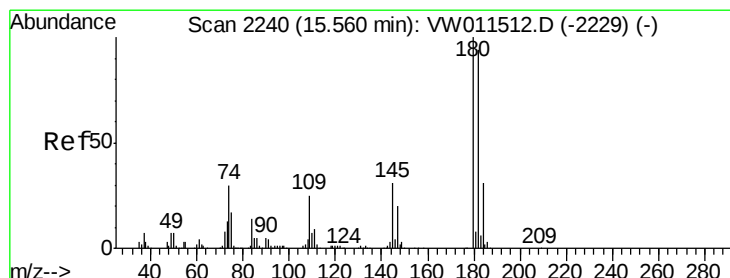
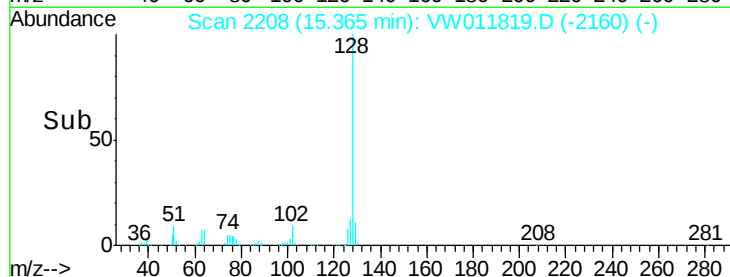
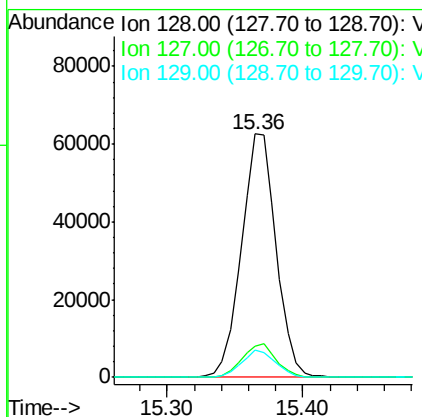
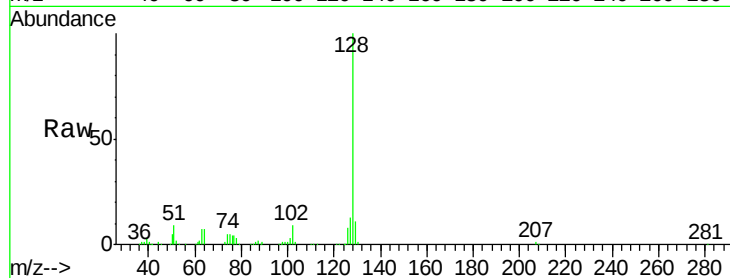
ClientSampleId :

VW0812SBSD01

Tot Ion:	128	Resp:	111367
Ion Ratio	Lower	Upper	
128	100		
127	13.6	10.6	16.0
129	11.0	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
8/13/2019 2:44:13 PM



#96

1,2,3-Trichlorobenzene

Concen: 20.955 ug/l

RT: 15.55 min Scan# 2239

Delta R.T. -0.01 min

Lab File: VW011819.D

Acq: 09 Aug 2019 19:08

Tgt Ion:	180	Resp:	55779
Ion Ratio	Lower	Upper	
180	100		
182	96.6	47.4	142.2
145	33.1	15.9	47.7

