

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW042220\
 Data File : VW015299.D
 Acq On : 22 Apr 2020 11:16
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
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 4/23/2020 1:32:49 PM

Quant Time: Apr 23 07:09:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W042020S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 21 06:39:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	241550	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	337311	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	316088	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	173229	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	94247	47.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.42%	
35) Dibromofluoromethane	7.88	113	96232	51.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.00%	
50) Toluene-d8	10.32	98	398815	50.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.48%	
62) 4-Bromofluorobenzene	12.62	95	152279	50.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	96860	50.778	ug/l	98
3) Chloromethane	2.21	50	97333	46.857	ug/l	99
4) Vinyl Chloride	2.36	62	119390	48.673	ug/l	99
5) Bromomethane	2.77	94	89430	51.277	ug/l	94
6) Chloroethane	2.92	64	70769	46.512	ug/l	100
7) Trichlorofluoromethane	3.26	101	175586	50.586	ug/l	97
8) Diethyl Ether	3.69	74	44400	45.572	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	4.06	101	109470	51.142	ug/l	91
10) Methyl Iodide	4.28	142	128275	57.056	ug/l	97
11) Tert butyl alcohol	5.17	59	29137	180.956	ug/l	98
12) 1,1-Dichloroethene	4.04	96	103665	50.316	ug/l	94
13) Acrolein	3.90	56	25045	297.180	ug/l	99
14) Allyl chloride	4.67	41	128113	46.873	ug/l #	84
15) Acrylonitrile	5.37	53	80294	216.562	ug/l	97
16) Acetone	4.12	43	86280	250.084	ug/l	98
17) Carbon Disulfide	4.39	76	298737	48.792	ug/l	98
18) Methyl Acetate	4.68	43	38074	41.692	ug/l	93
19) Methyl tert-butyl Ether	5.43	73	220572	46.637	ug/l	97
20) Methylene Chloride	4.92	84	105749	46.769	ug/l	91
21) trans-1,2-Dichloroethene	5.43	96	118180	50.577	ug/l	93
22) Diisopropyl ether	6.31	45	243509	46.441	ug/l #	92
23) Vinyl Acetate	6.26	43	691664	224.789	ug/l	95
24) 1,1-Dichloroethane	6.21	63	176920	48.686	ug/l	98
25) 2-Butanone	7.17	43	102729	224.432	ug/l	92
26) 2,2-Dichloropropane	7.17	77	184079	48.150	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	123060	48.783	ug/l	99
28) Bromochloromethane	7.51	49	59676	45.167	ug/l #	73
29) Tetrahydrofuran	7.53	42	59616	209.052	ug/l	87
30) Chloroform	7.68	83	192177	48.999	ug/l	99
31) Cyclohexane	7.95	56	162641	44.525	ug/l	88
32) 1,1,1-Trichloroethane	7.87	97	188434	49.781	ug/l	98
36) 1,1-Dichloropropene	8.08	75	153480	50.413	ug/l	98
37) Ethyl Acetate	7.25	43	44487	45.025	ug/l	98
38) Carbon Tetrachloride	8.07	117	171428	51.527	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	200274	49.425	ug/l	97
40) Benzene	8.32	78	407392	50.094	ug/l	98
41) Methacrylonitrile	7.48	41	25412	42.865	ug/l #	86
42) 1,2-Dichloroethane	8.40	62	117016	48.877	ug/l	99
43) Isopropyl Acetate	8.42	43	90061	43.460	ug/l	92
44) Trichloroethene	9.09	130	129573	52.088	ug/l	92
45) 1,2-Dichloropropane	9.37	63	92288	48.798	ug/l	100
46) Dibromomethane	9.46	93	52689	48.162	ug/l #	87
47) Bromodichloromethane	9.64	83	142812	48.832	ug/l	99
48) Methyl methacrylate	9.43	41	41664	42.530	ug/l #	83
49) 1,4-Dioxane	9.45	88	12770	875.604	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	211233	217.143	ug/l	96
52) Toluene	10.38	92	293533	51.573	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	138249	47.942	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	163209	48.693	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	72407	47.267	ug/l	99
56) Ethyl methacrylate	10.64	69	90089	45.651	ug/l	92
57) 1,3-Dichloropropane	10.93	76	122810	48.397	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	211192	230.830	ug/l	90
59) 2-Hexanone	10.96	43	159853	230.201	ug/l	95
60) Dibromochloromethane	11.13	129	99220	49.055	ug/l	99
61) 1,2-Dibromoethane	11.23	107	71632	47.922	ug/l	97
64) Tetrachloroethene	10.86	164	121397	53.812	ug/l	90
65) Chlorobenzene	11.66	112	316377	51.008	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	112379	50.410	ug/l	98
67) Ethyl Benzene	11.73	91	587634	50.803	ug/l	98
68) m/p-Xylenes	11.83	106	470908	103.862	ug/l	98
69) o-Xylene	12.16	106	219225	51.802	ug/l	98
70) Styrene	12.18	104	365949	50.729	ug/l	100
71) Bromoform	12.35	173	61972	49.337	ug/l #	96
73) Isopropylbenzene	12.46	105	618220	51.472	ug/l	100
74) N-amyl acetate	12.27	43	90426	43.275	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.71	83	76891	45.089	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	49787m	37.151	ug/l	
77) Bromobenzene	12.74	156	139862	50.685	ug/l	80
78) n-propylbenzene	12.80	91	709103	50.707	ug/l	96
79) 2-Chlorotoluene	12.89	91	399559	50.699	ug/l	96
80) 1,3,5-Trimethylbenzene	12.94	105	529579	51.186	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	27092	44.193	ug/l	96
82) 4-Chlorotoluene	12.99	91	426060	50.918	ug/l	97
83) tert-Butylbenzene	13.21	119	473977	52.415	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	515406	50.506	ug/l	98
85) sec-Butylbenzene	13.38	105	641015	51.328	ug/l	97
86) p-Isopropyltoluene	13.50	119	602069	51.882	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	290102	52.911	ug/l	97
88) 1,4-Dichlorobenzene	13.58	146	278906	51.894	ug/l	98
89) n-Butylbenzene	13.82	91	537792	50.703	ug/l	97
90) Hexachloroethane	14.09	117	107540	50.532	ug/l	76
91) 1,2-Dichlorobenzene	13.87	146	242683	50.936	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.48	75	13763	44.597	ug/l	86

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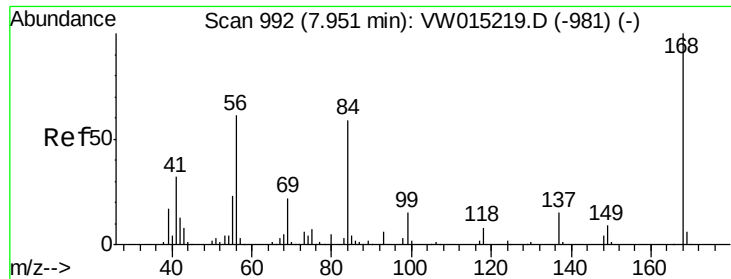
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	170281	51.419	ug/l	98
94) Hexachlorobutadiene	15.23	225	115821	52.458	ug/l	97
95) Naphthalene	15.36	128	261504	49.089	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	143029	53.083	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW015299.D

Acq: 22 Apr 2020 11:16

Tot Ion: 168 Resp: 241550

Ion Ratio Lower Upper

168 100

99 52.9 48.5 72.7

Instrument :

MSVOA_W

ClientSampleId :

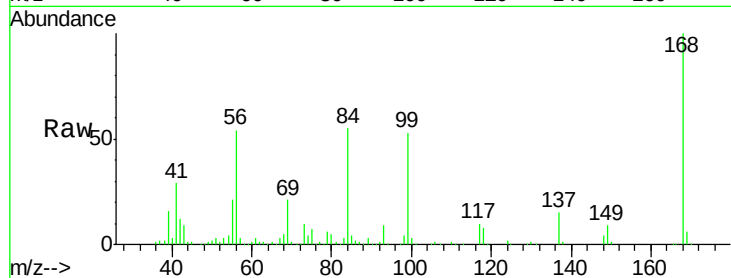
VSTDCCC050

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

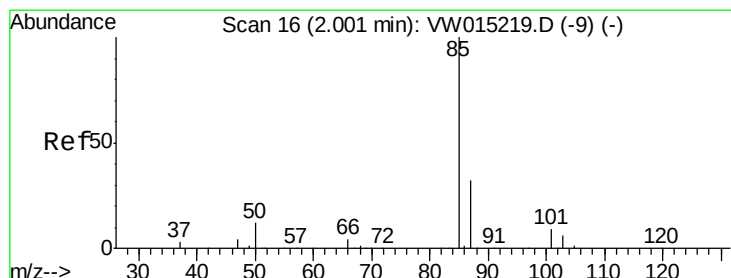
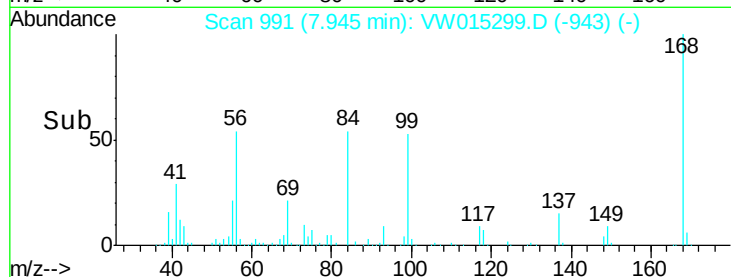
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 50.778 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.00 min

Lab File: VW015299.D

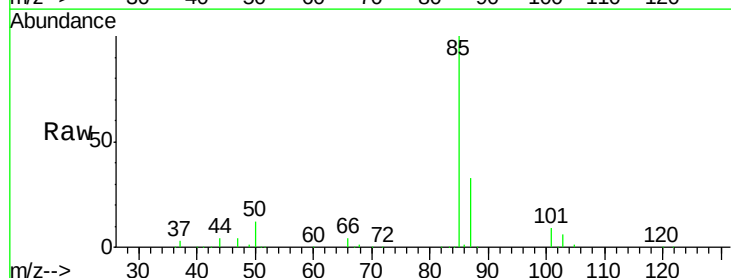
Acq: 22 Apr 2020 11:16

Tgt Ion: 85 Resp: 96860

Ion Ratio Lower Upper

85 100

87 33.1 17.2 51.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

80000

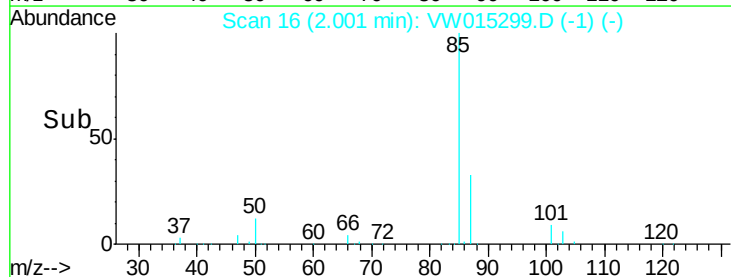
60000

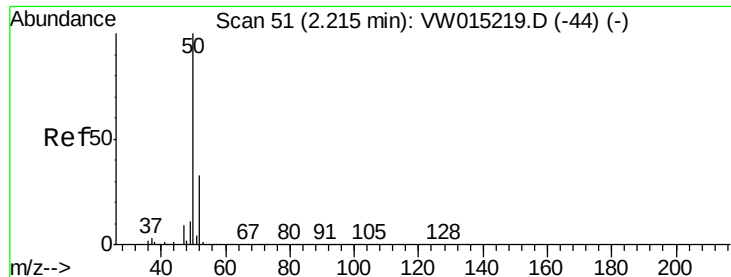
40000

20000

0

Time--> 1.90 1.95 2.00 2.05 2.10





#3

Chloromethane

Concen: 46.857 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW015299.D

Acq: 22 Apr 2020 11:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 97333

Ion Ratio Lower Upper

50 100

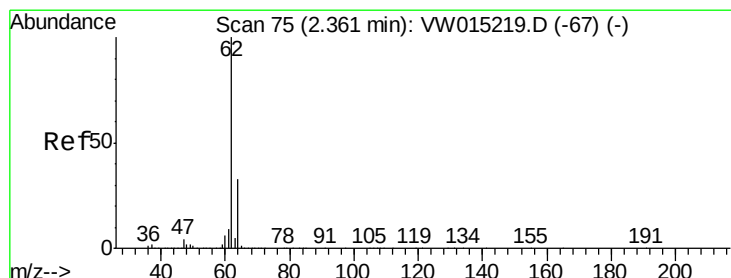
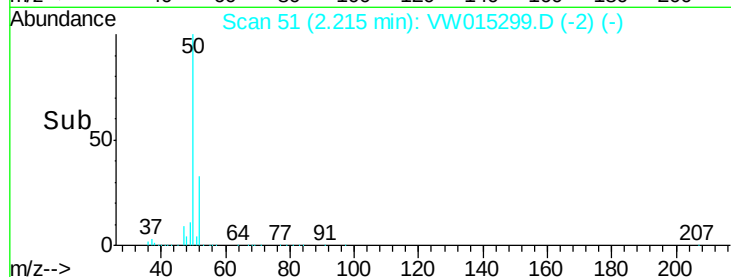
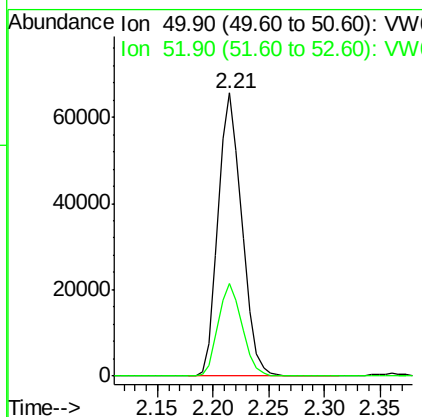
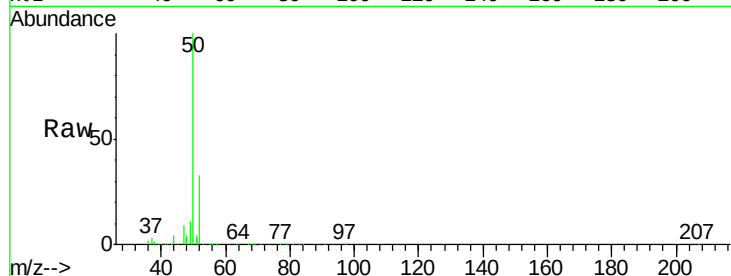
52 32.8 26.5 39.7

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#4

Vinyl Chloride

Concen: 48.673 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW015299.D

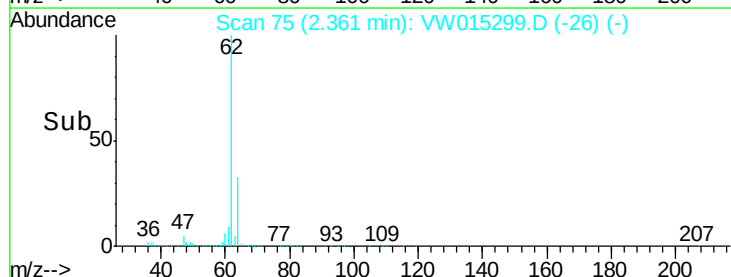
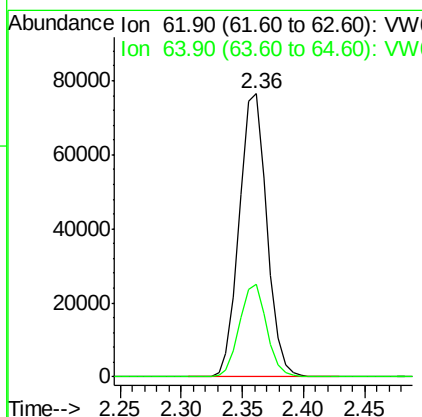
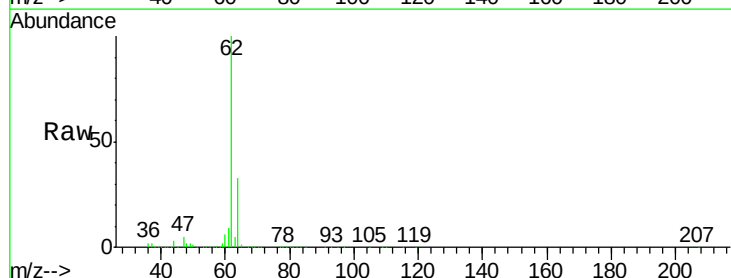
Acq: 22 Apr 2020 11:16

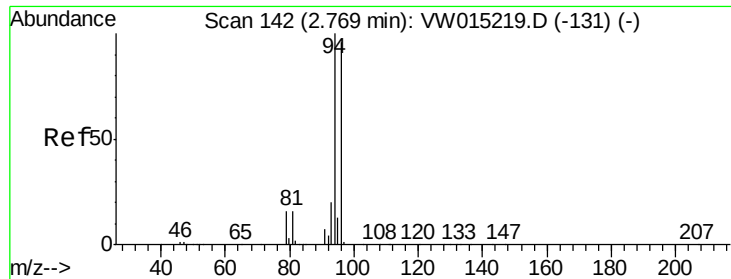
Tgt Ion: 62 Resp: 119390

Ion Ratio Lower Upper

62 100

64 32.6 25.4 38.2





#5

Bromomethane

Concen: 51.277 ug/l

RT: 2.77 min Scan# 142

Delta R.T. 0.00 min

Lab File: VW015299.D

Acq: 22 Apr 2020 11:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 89430

Ion Ratio Lower Upper

94 100

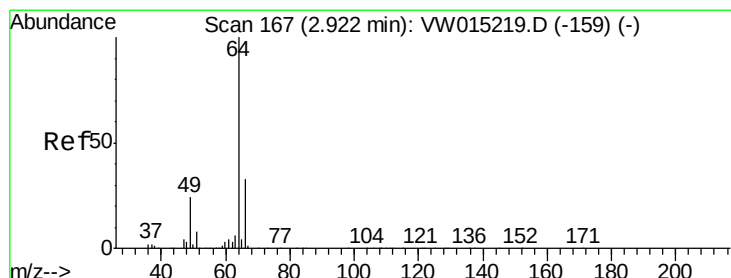
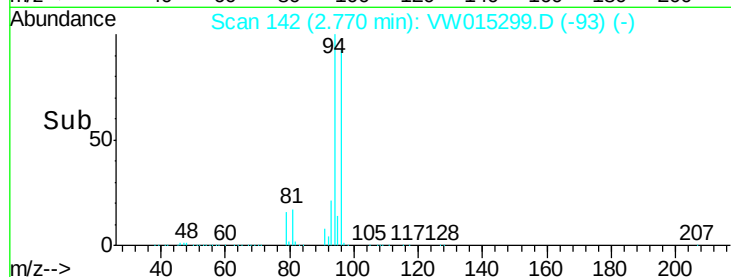
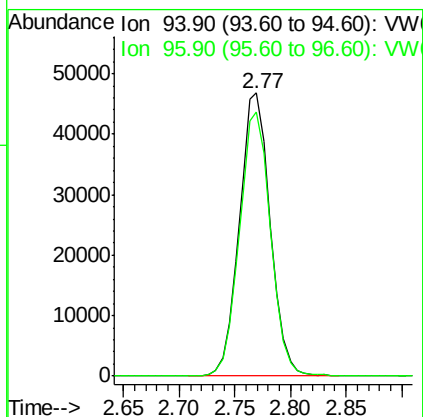
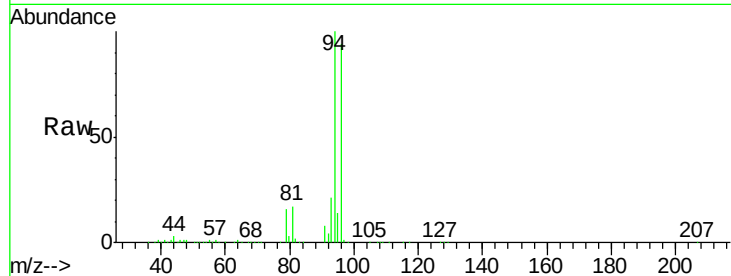
96 93.7 70.4 105.6

Manual Integrations

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#6

Chloroethane

Concen: 46.512 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW015299.D

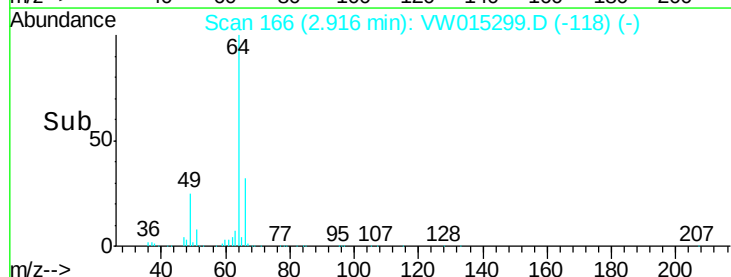
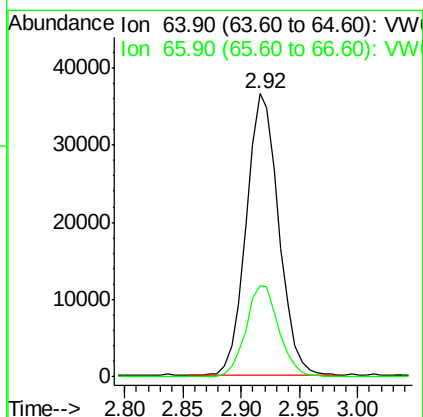
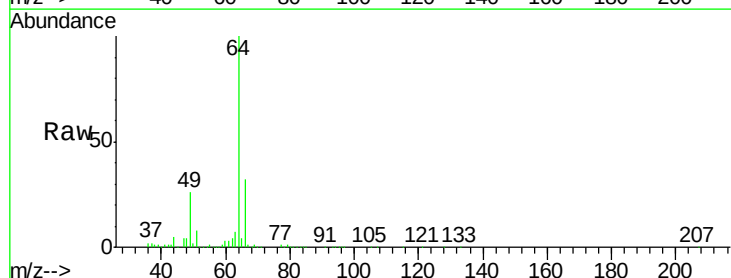
Acq: 22 Apr 2020 11:16

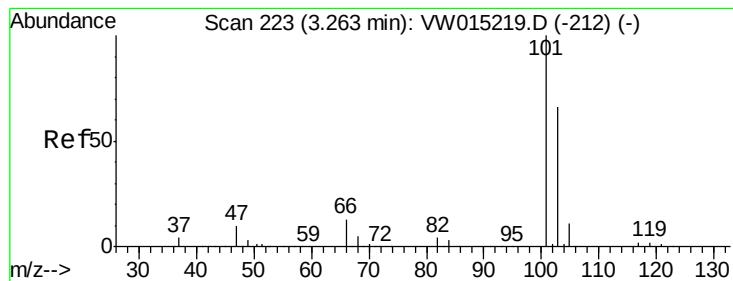
Tgt Ion: 64 Resp: 70769

Ion Ratio Lower Upper

64 100

66 32.4 25.8 38.6





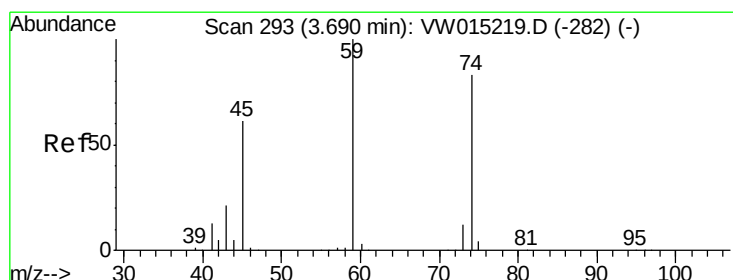
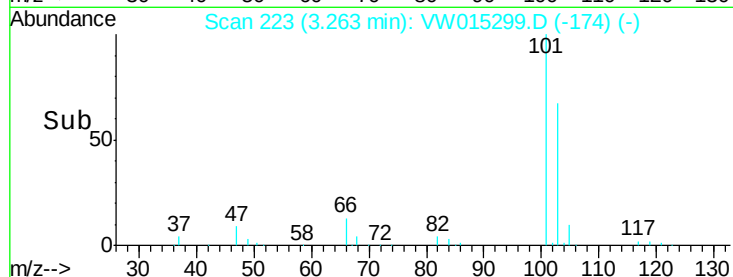
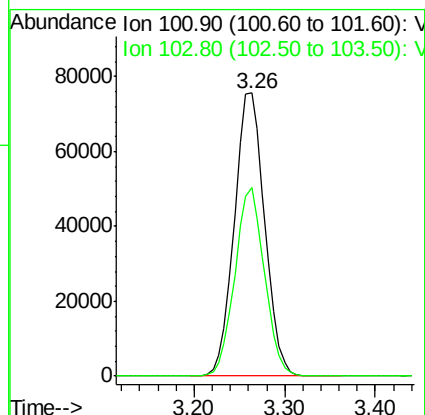
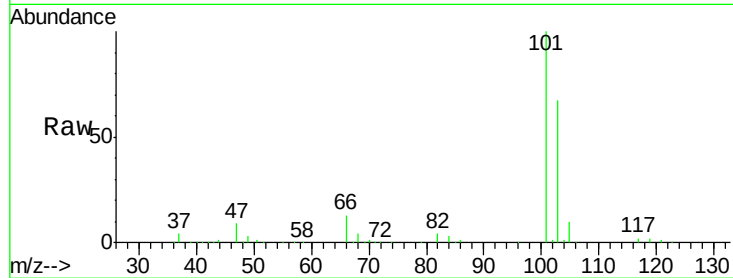
#7
 Trichlorofluoromethane
 Concen: 50.586 ug/l
 RT: 3.26 min Scan# 223
 Delta R.T. 0.00 min
 Lab File: VW015299.D
 Acq: 22 Apr 2020 11:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion:101 Resp: 175586
 Ion Ratio Lower Upper
 101 100
 103 66.5 51.3 76.9

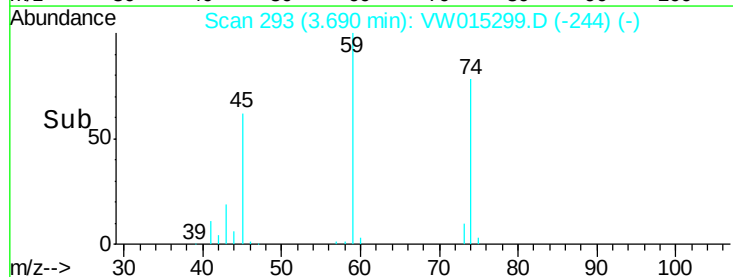
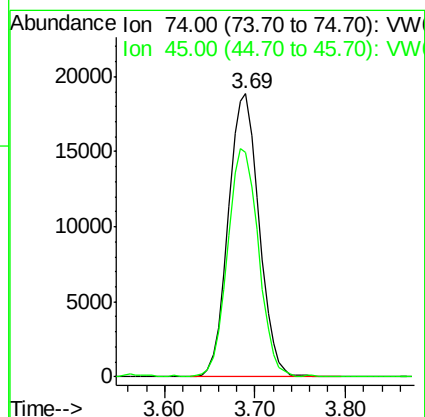
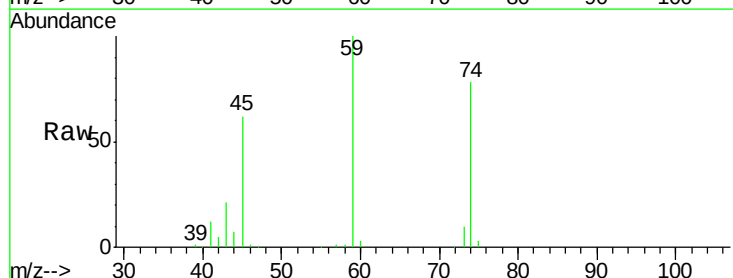
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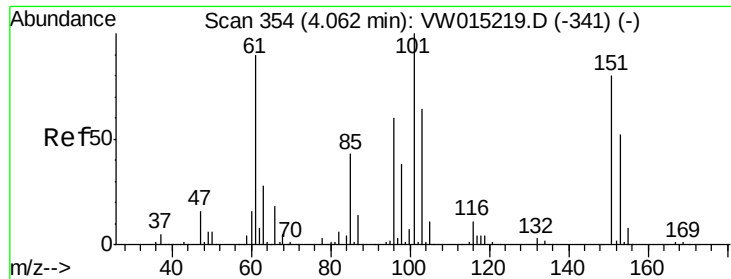
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#8
 Diethyl Ether
 Concen: 45.572 ug/l
 RT: 3.69 min Scan# 293
 Delta R.T. 0.00 min
 Lab File: VW015299.D
 Acq: 22 Apr 2020 11:16

Tgt Ion: 74 Resp: 44400
 Ion Ratio Lower Upper
 74 100
 45 80.1 45.5 136.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.142 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW015299.D

Acq: 22 Apr 2020 11:16

Instrument :

MSVOA_W

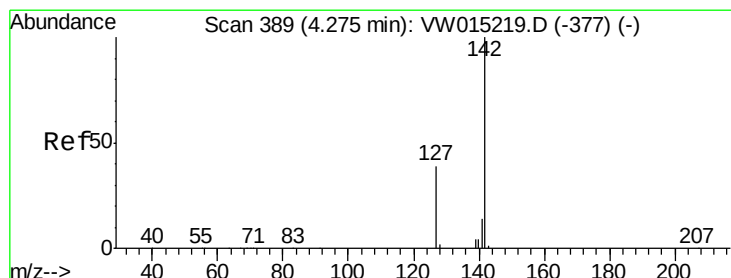
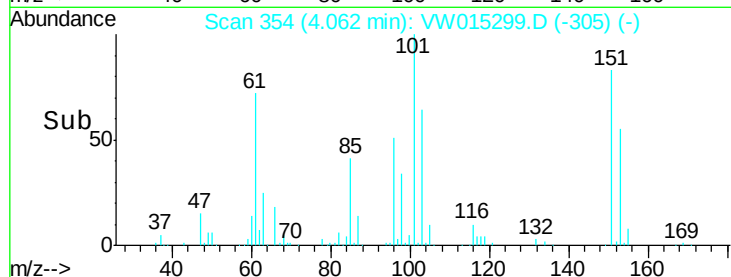
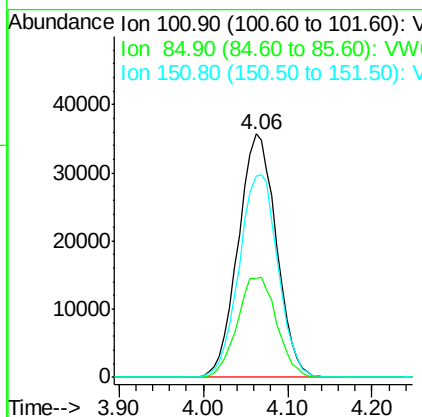
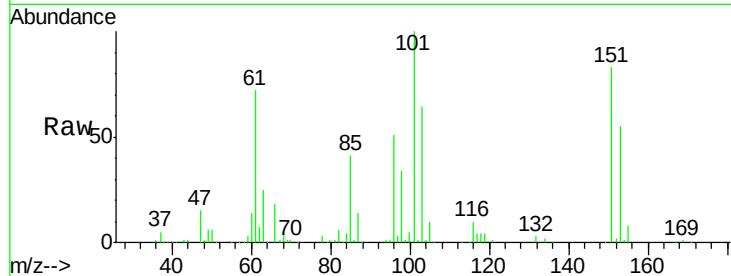
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	109470
Ion Ratio	Lower	Upper	
101	100		
85	42.6	35.3	52.9
151	85.1	59.3	88.9

Manual Integrations
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#10

Methyl Iodide

Concen: 57.056 ug/l

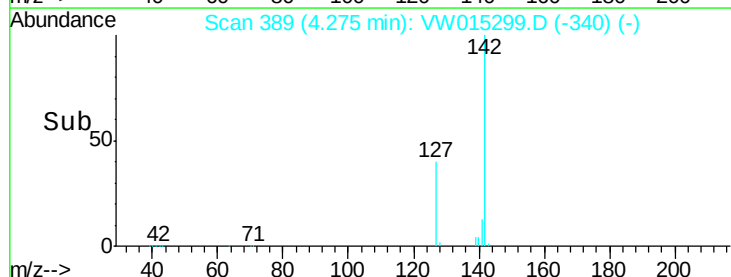
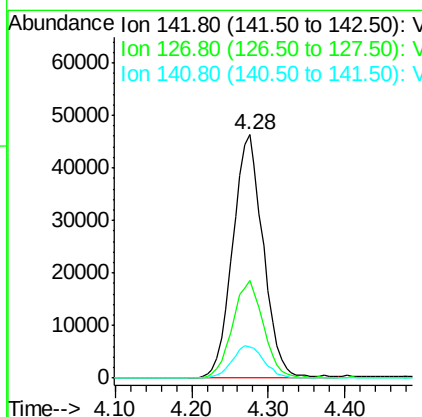
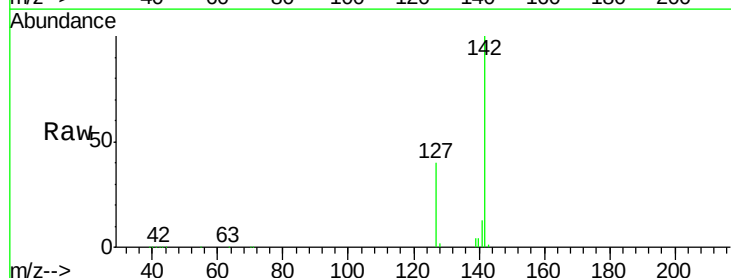
RT: 4.28 min Scan# 389

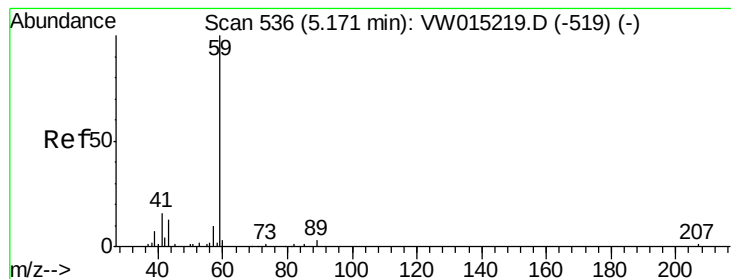
Delta R.T. 0.00 min

Lab File: VW015299.D

Acq: 22 Apr 2020 11:16

Tgt Ion:	142	Resp:	128275
Ion Ratio	Lower	Upper	
142	100		
127	40.5	33.9	50.9
141	13.8	11.4	17.2





#11

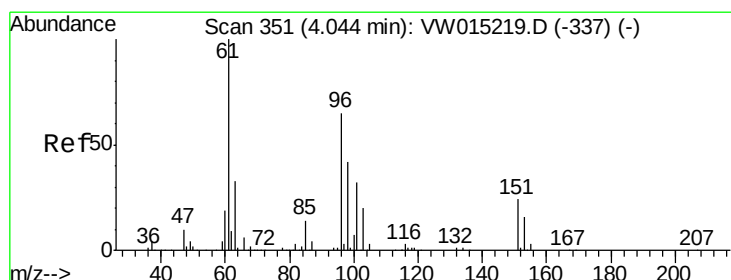
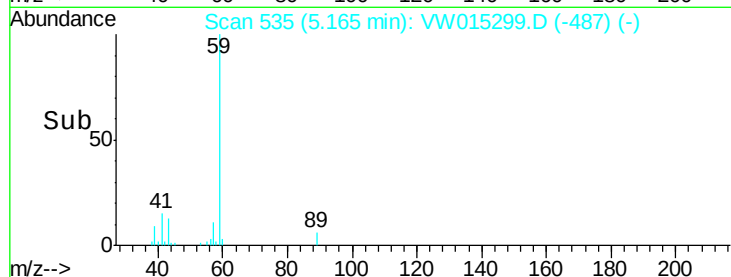
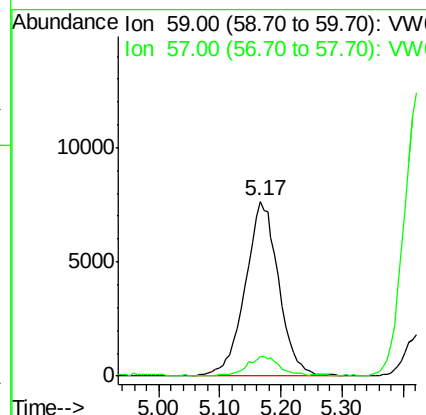
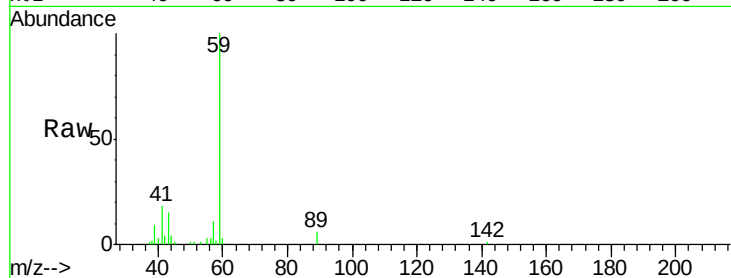
Tert butyl alcohol
Concen: 180.956 ug/l
RT: 5.17 min Scan# 535
Delta R.T. -0.01 min
Lab File: VW015299.D
Acq: 22 Apr 2020 11:16

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	59	Resp	29137
Ion Ratio	100	Lower	Upper
57	11.1	8.4	12.6

Manual Integrations
APPROVED

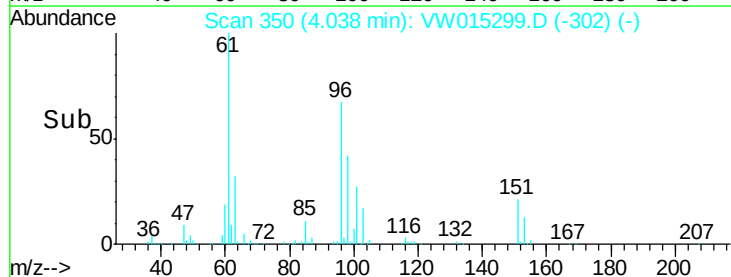
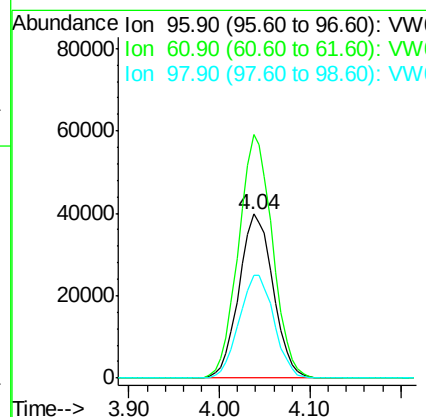
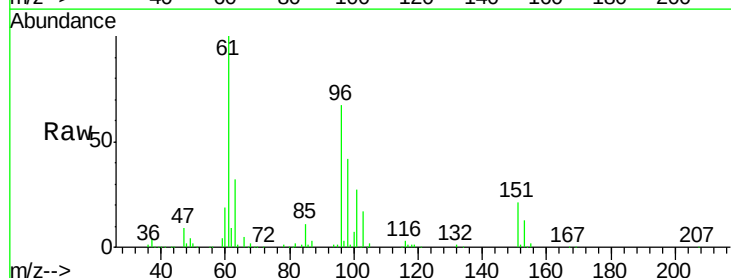
MMDadoda
4/23/2020 1:32:49 PM

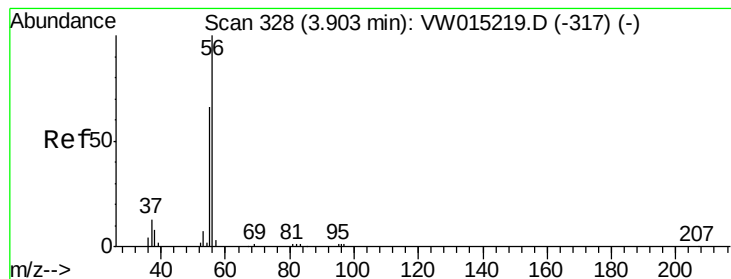


#12

1,1-Dichloroethene
Concen: 50.316 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.01 min
Lab File: VW015299.D
Acq: 22 Apr 2020 11:16

Tgt Ion	96	Resp	103665
Ion Ratio	100	Lower	Upper
61	148.8	127.0	190.4
98	63.0	51.0	76.4





#13

Acrolein

Concen: 297.180 ug/l

RT: 3.90 min Scan# 327

Delta R.T. -0.01 min

Lab File: VW015299.D

Acq: 22 Apr 2020 11:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 25045

Ion Ratio Lower Upper

56 100

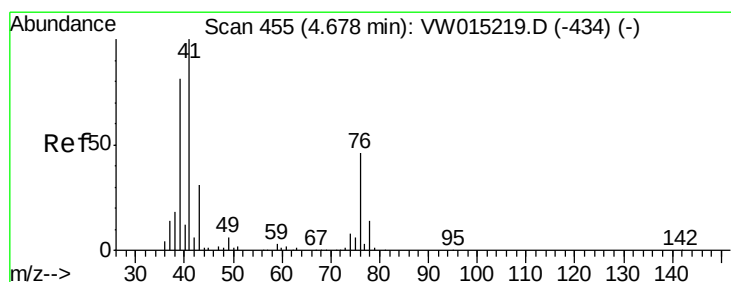
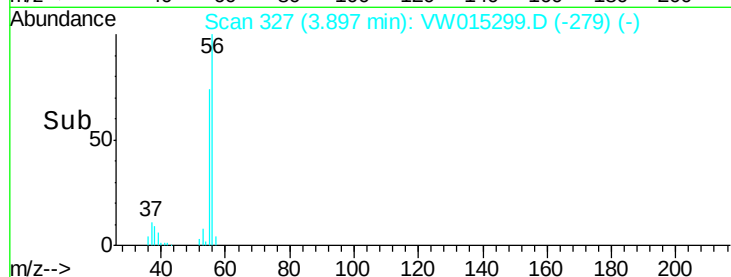
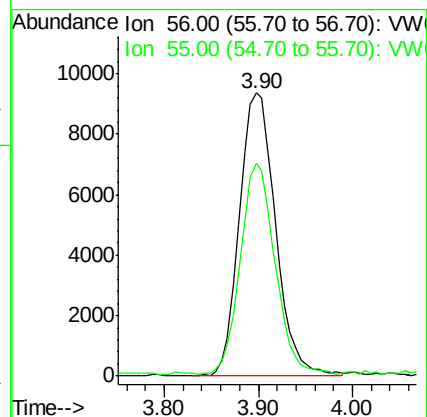
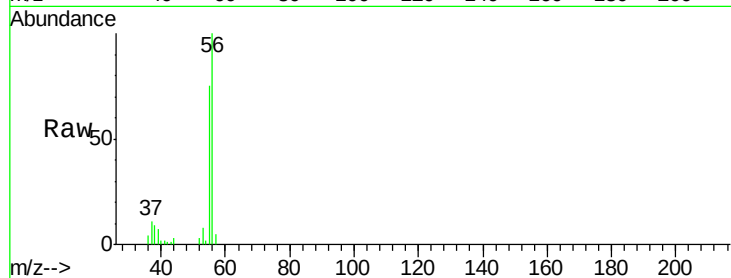
55 70.9 56.2 84.2

Manual Integrations

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#14

Allyl chloride

Concen: 46.873 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.01 min

Lab File: VW015299.D

Acq: 22 Apr 2020 11:16

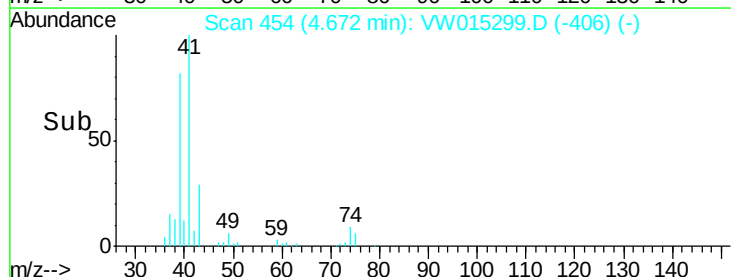
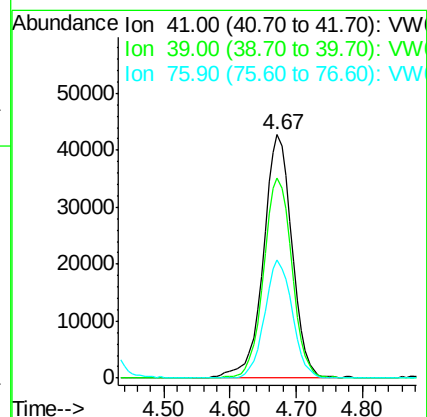
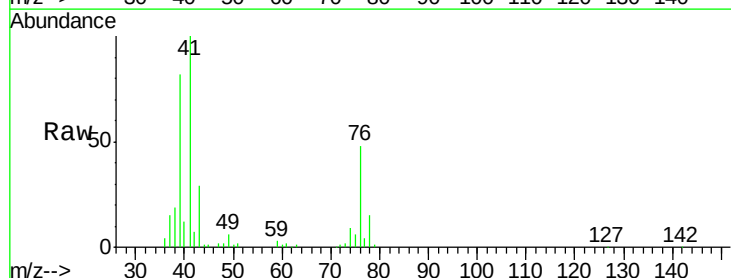
Tgt Ion: 41 Resp: 128113

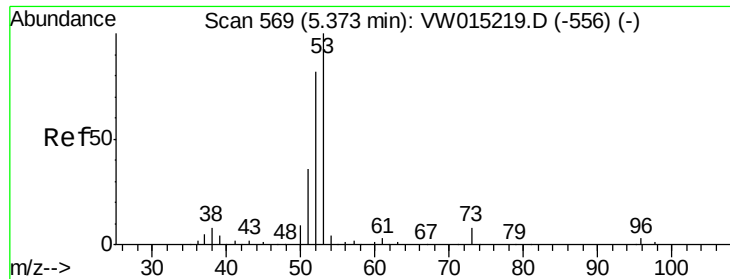
Ion Ratio Lower Upper

41 100

39 81.9 54.0 81.0#

76 46.8 31.8 47.6





#15

Acrylonitrile

Concen: 216.562 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.01 min

Lab File: VW015299.D

Acq: 22 Apr 2020 11:16

Instrument :

MSVOA_W

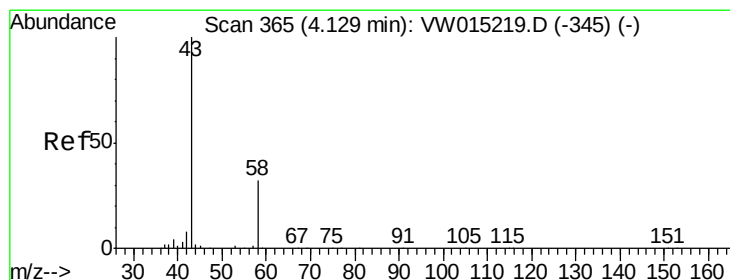
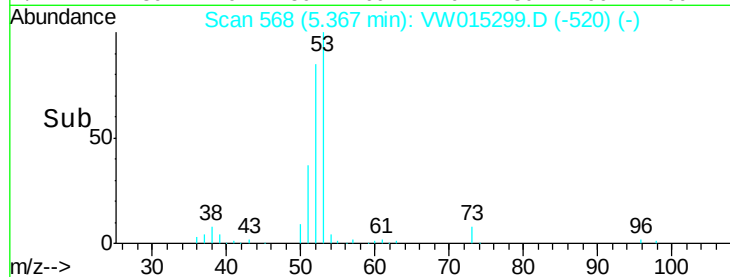
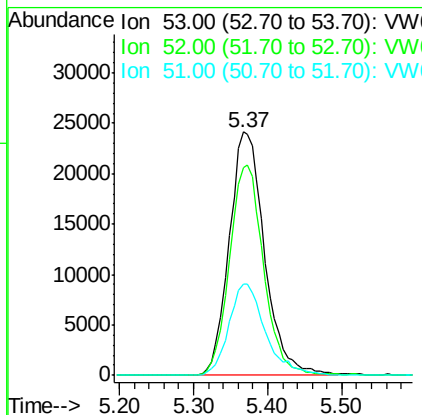
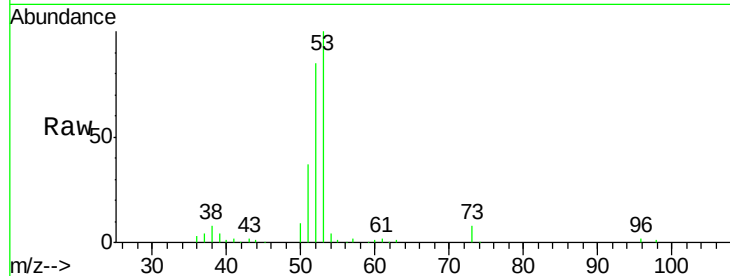
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	80294
Ion	Ratio	Lower	Upper
53	100		
52	83.2	65.2	97.8
51	38.8	28.2	42.4

Manual Integrations
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4/23/2020 1:32:49 PM



#16

Acetone

Concen: 250.084 ug/l

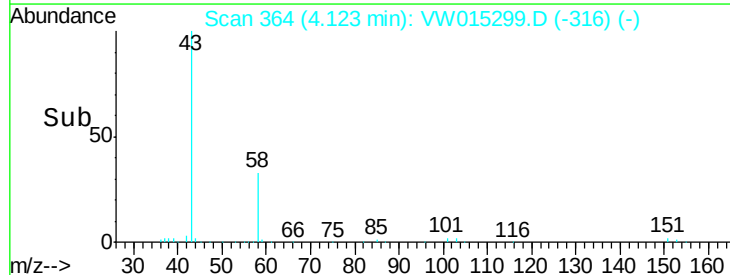
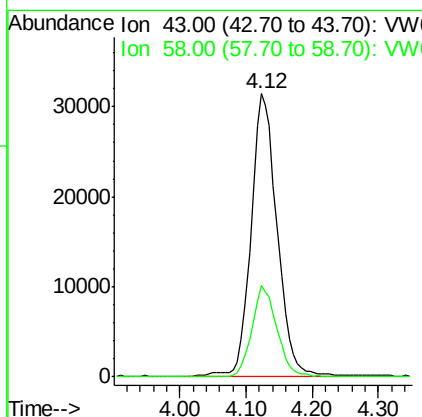
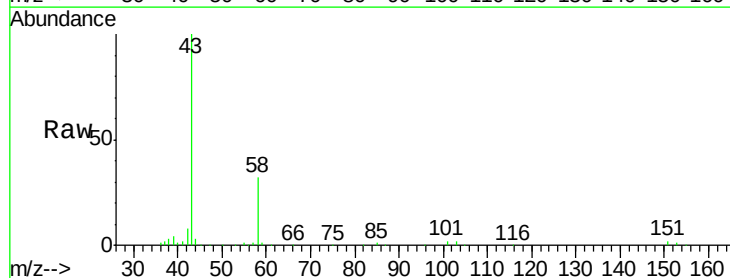
RT: 4.12 min Scan# 364

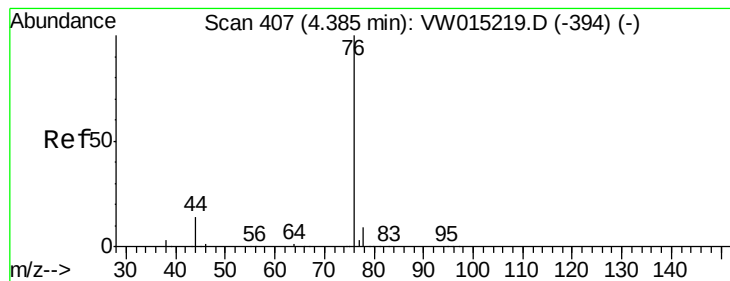
Delta R.T. -0.01 min

Lab File: VW015299.D

Acq: 22 Apr 2020 11:16

Tgt Ion:	43	Resp:	86280
Ion	Ratio	Lower	Upper
43	100		
58	32.5	27.0	40.4





#17

Carbon Disulfide

Concen: 48.792 ug/l

RT: 4.39 min Scan# 407

Delta R.T. 0.00 min

Lab File: VW015299.D

Acq: 22 Apr 2020 11:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 298737

Ion Ratio Lower Upper

76 100

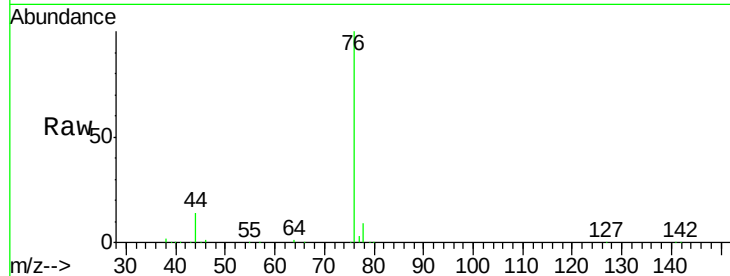
78 9.4 7.0 10.6

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.39

120000

100000

80000

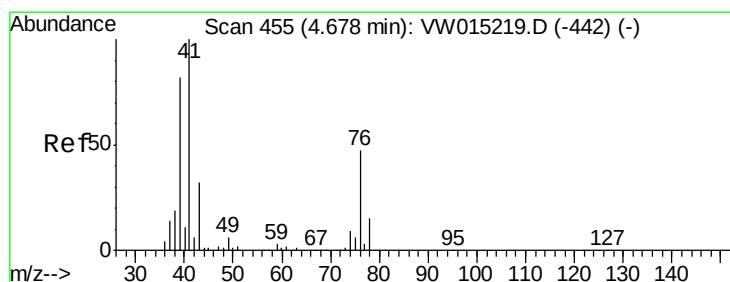
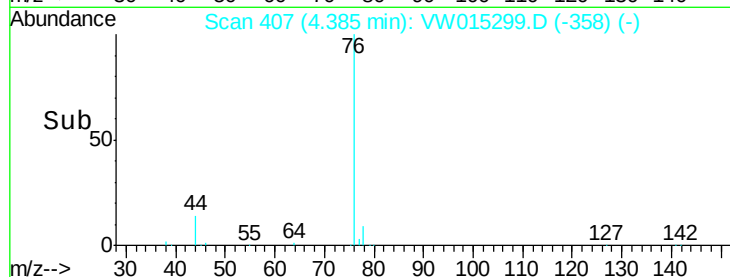
60000

40000

20000

0

Time--> 4.20 4.30 4.40 4.50



#18

Methyl Acetate

Concen: 41.692 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.00 min

Lab File: VW015299.D

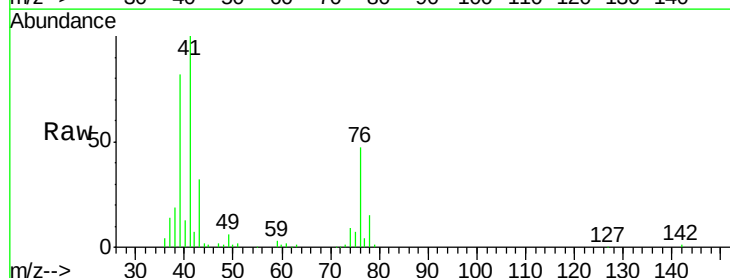
Acq: 22 Apr 2020 11:16

Tgt Ion: 43 Resp: 38074

Ion Ratio Lower Upper

43 100

74 29.5 20.6 31.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

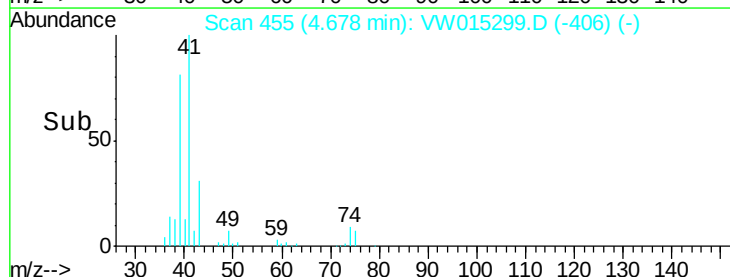
15000

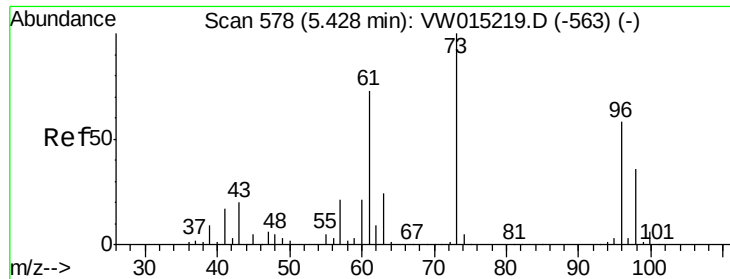
10000

5000

0

Time--> 4.50 4.60 4.70 4.80





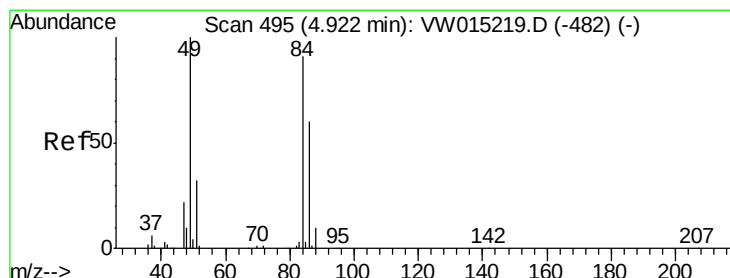
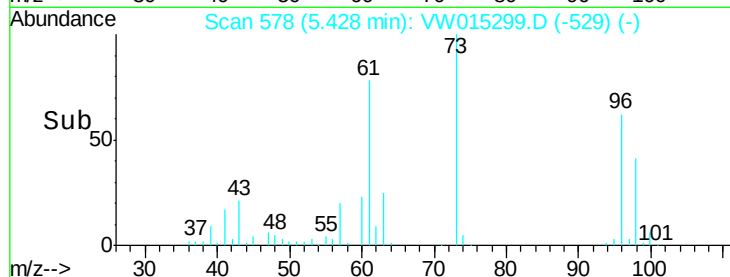
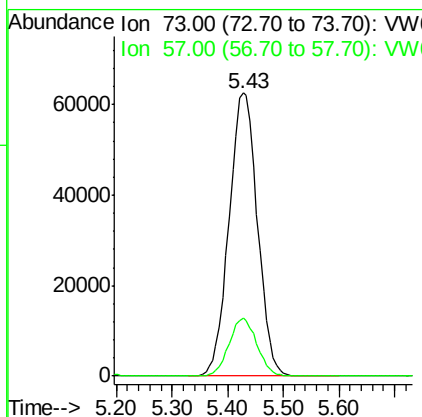
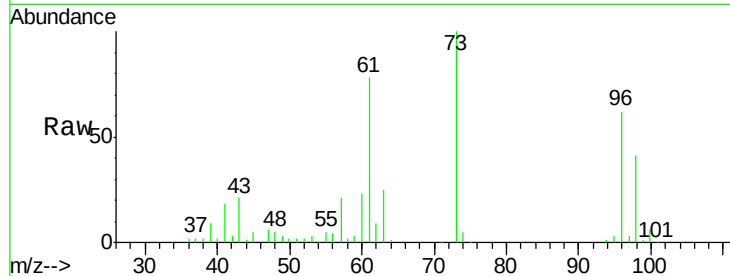
#19
Methyl tert-butyl Ether
Concen: 46.637 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW015299.D
Acq: 22 Apr 2020 11:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 220572
Ion Ratio Lower Upper
73 100
57 20.5 17.8 26.6

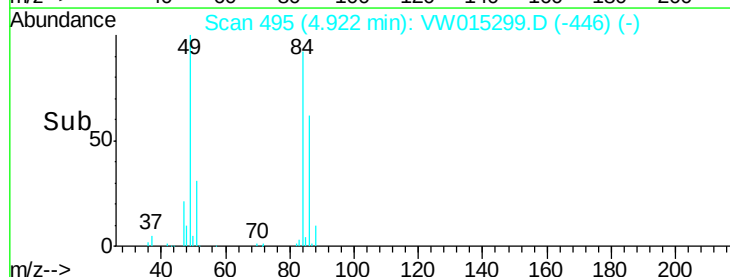
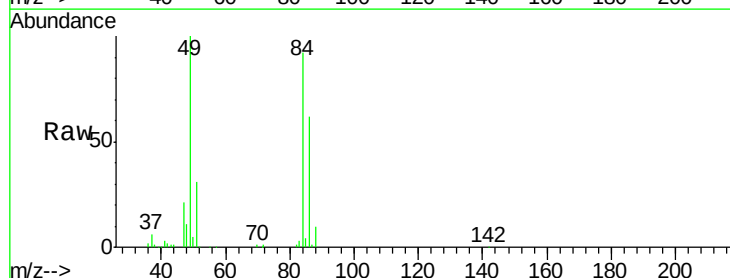
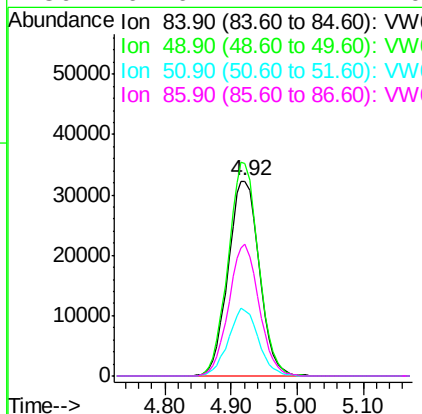
Manual Integrations
APPROVED

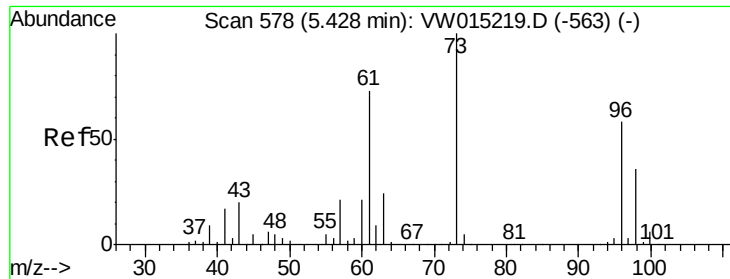
MMDadoda
4/23/2020 1:32:49 PM



#20
Methylene Chloride
Concen: 46.769 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW015299.D
Acq: 22 Apr 2020 11:16

Tgt Ion: 84 Resp: 105749
Ion Ratio Lower Upper
84 100
49 109.2 95.4 143.0
51 33.7 29.8 44.8
86 67.6 47.4 71.0





#21

trans-1,2-Dichloroethene

Concen: 50.577 ug/l

RT: 5.43 min Scan# 578

Delta R.T. 0.00 min

Lab File: VW015299.D

Acq: 22 Apr 2020 11:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 118180

Ion Ratio Lower Upper

96 100

61 125.3 107.8 161.6

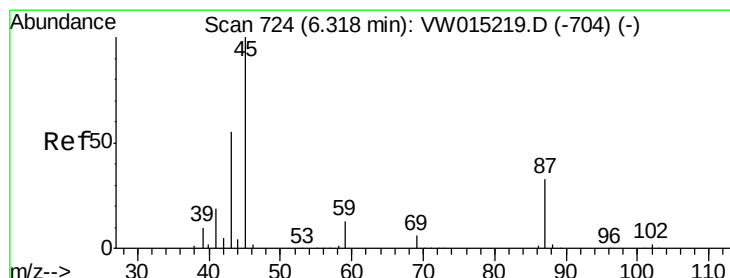
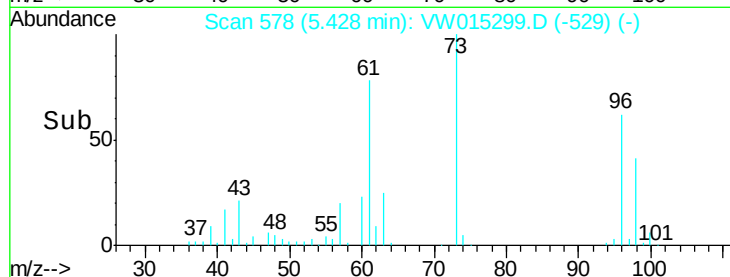
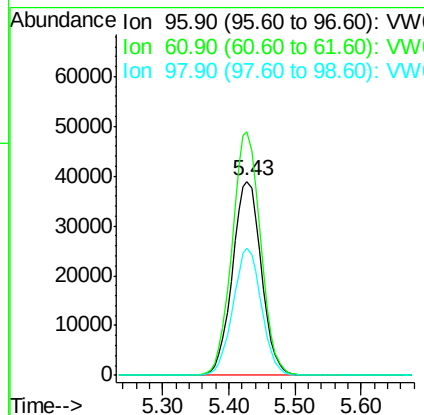
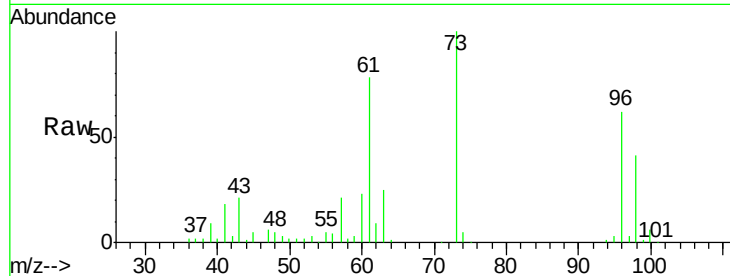
98 65.5 50.2 75.2

Manual Integrations

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4/23/2020 1:32:49 PM



#22

Diisopropyl ether

Concen: 46.441 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.01 min

Lab File: VW015299.D

Acq: 22 Apr 2020 11:16

Tgt Ion: 45 Resp: 243509

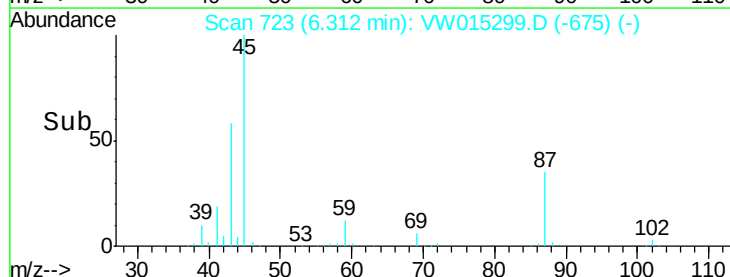
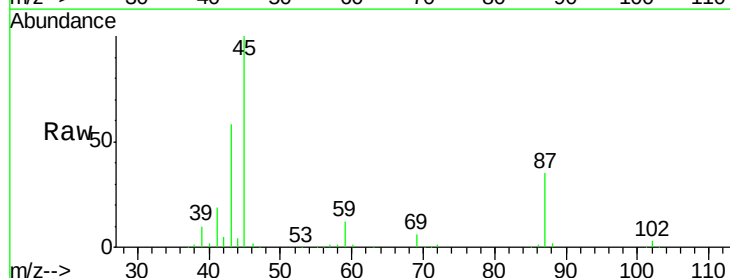
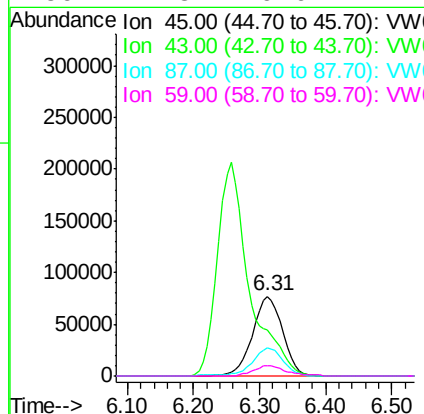
Ion Ratio Lower Upper

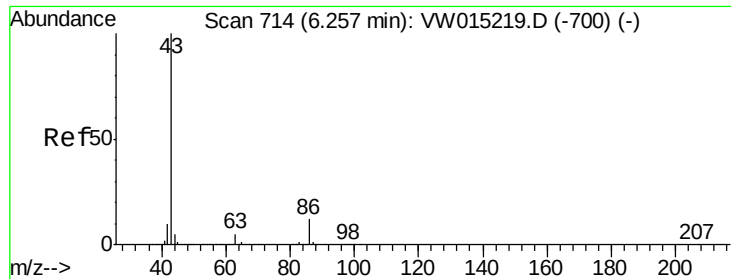
45 100

43 57.0 41.8 62.6

87 35.5 23.2 34.8#

59 12.3 9.6 14.4





#23

Vinyl Acetate

Concen: 224.789 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW015299.D

Acq: 22 Apr 2020 11:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 691664

Ion Ratio Lower Upper

43 100

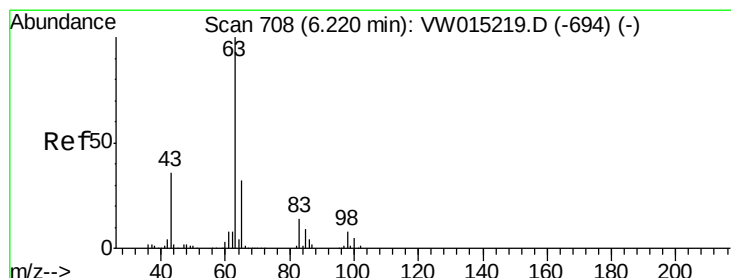
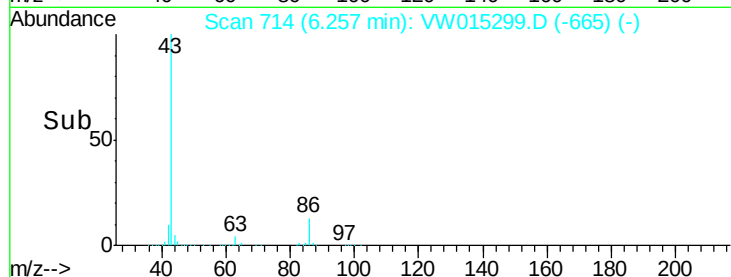
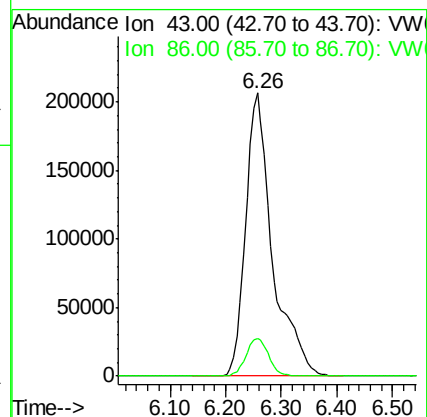
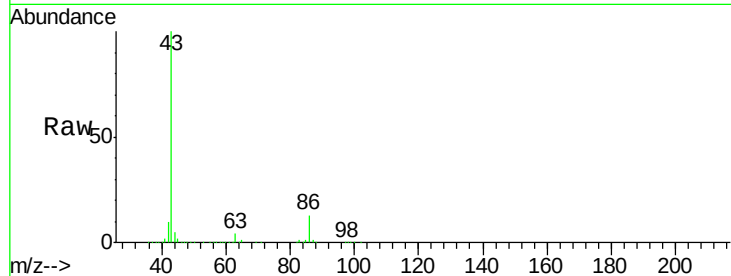
86 13.2 9.1 13.7

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 48.686 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW015299.D

Acq: 22 Apr 2020 11:16

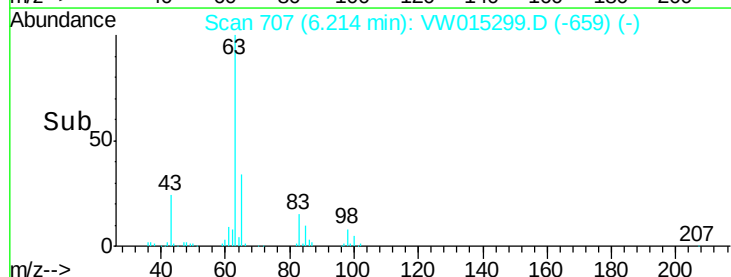
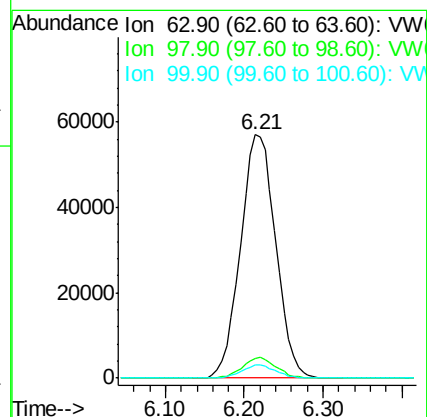
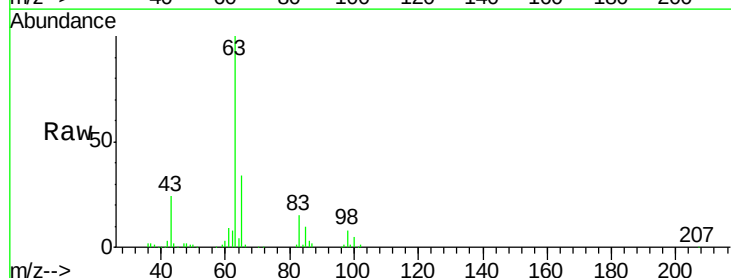
Tgt Ion: 63 Resp: 176920

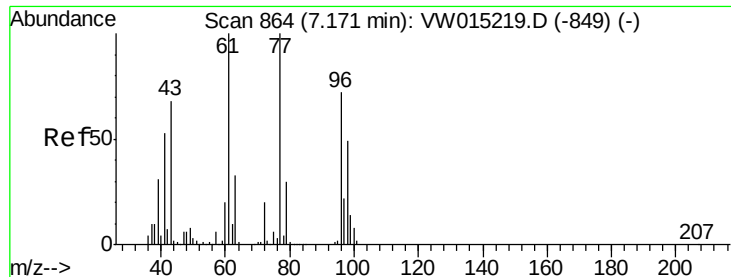
Ion Ratio Lower Upper

63 100

98 7.9 3.6 10.9

100 5.2 2.4 7.2





#25

2-Butanone

Concen: 224.432 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW015299.D

Acq: 22 Apr 2020 11:16

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 102729

Ion Ratio Lower Upper

43 100

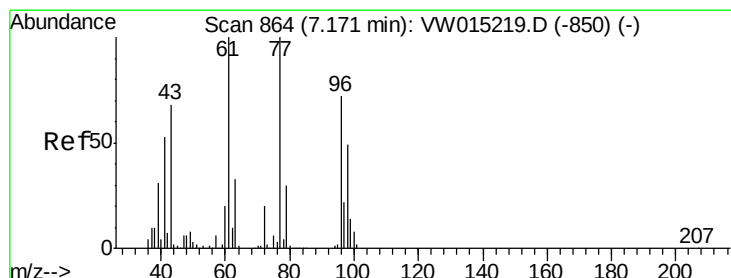
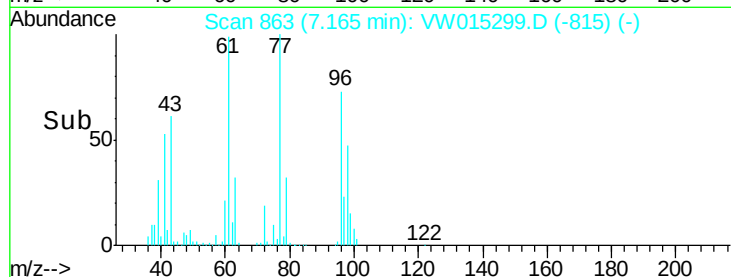
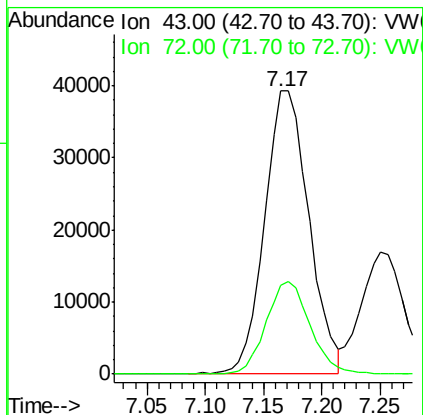
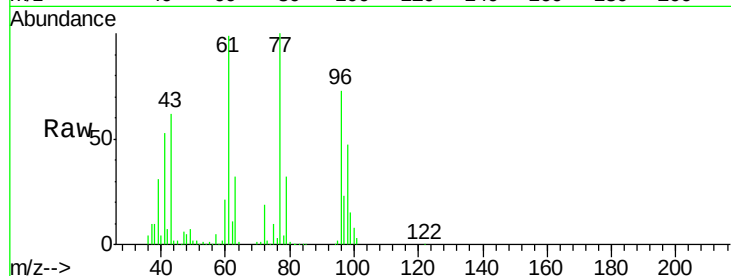
72 31.3 21.6 32.4

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 48.150 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW015299.D

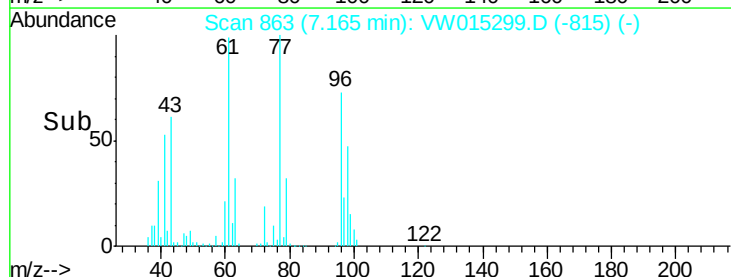
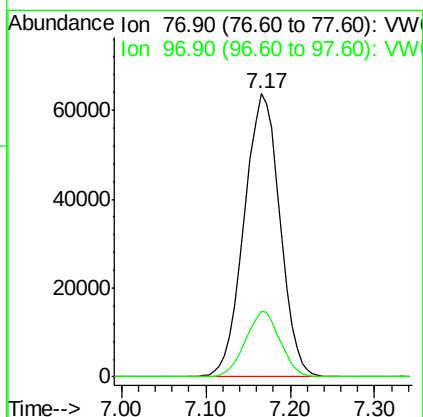
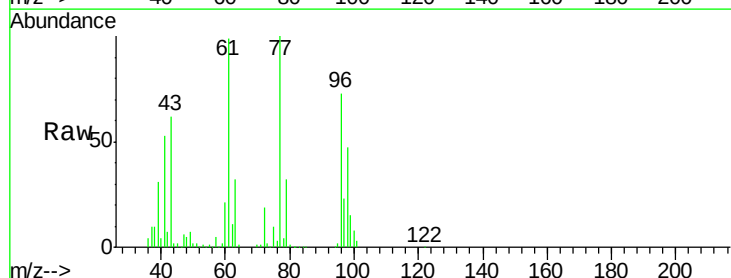
Acq: 22 Apr 2020 11:16

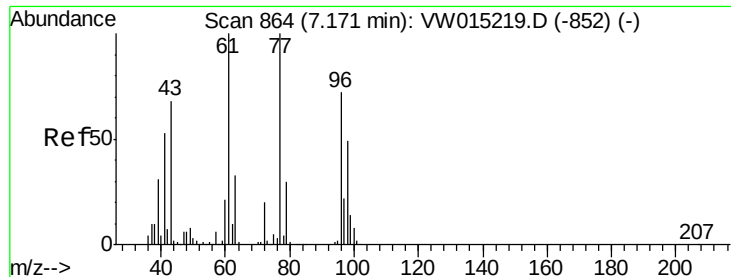
Tgt Ion: 77 Resp: 184079

Ion Ratio Lower Upper

77 100

97 22.6 11.9 35.5





#27

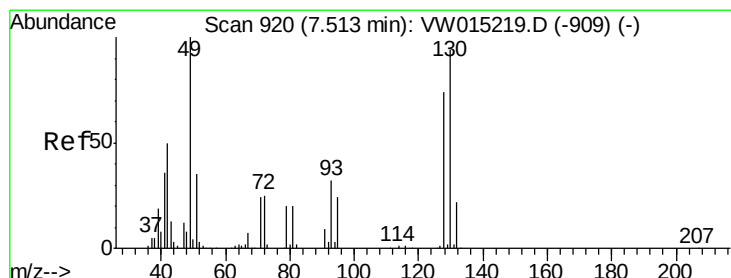
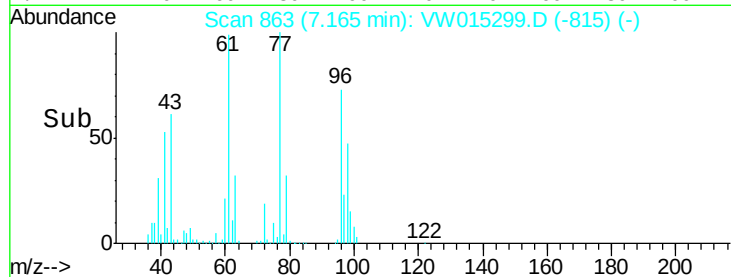
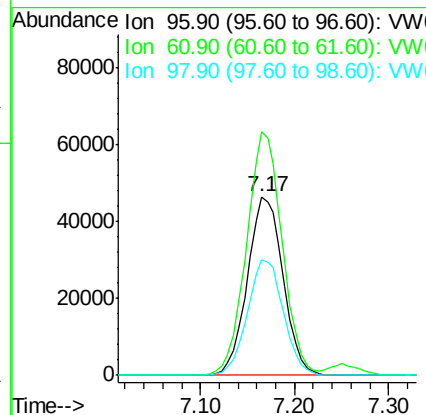
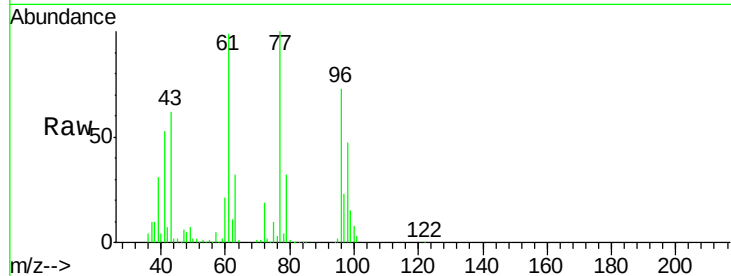
cis-1,2-Dichloroethene
 Concen: 48.783 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW015299.D
 Acq: 22 Apr 2020 11:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	123060		
61	136.3	0.0	275.0	
98	65.4	0.0	130.8	

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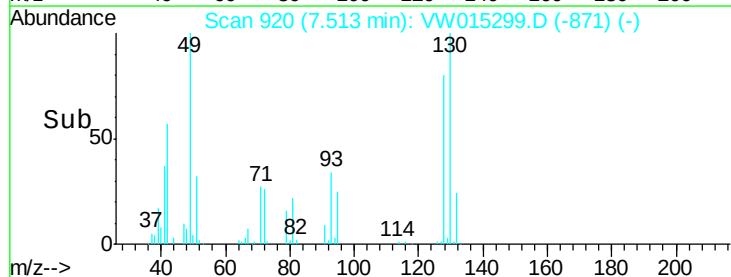
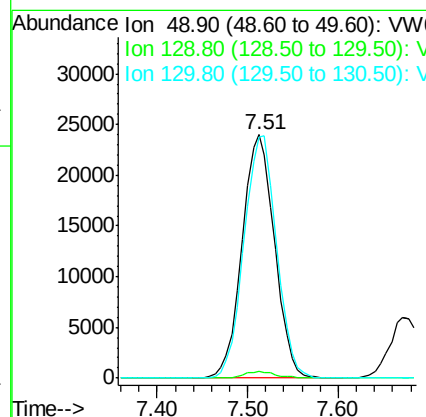
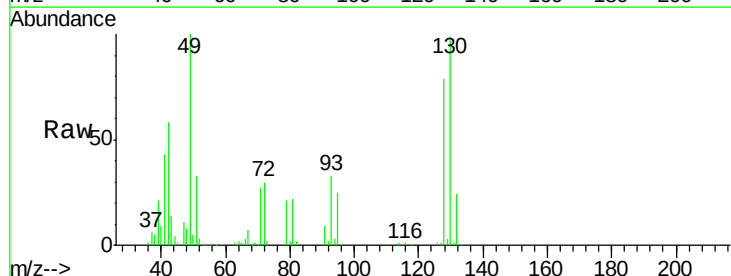
MMDadoda
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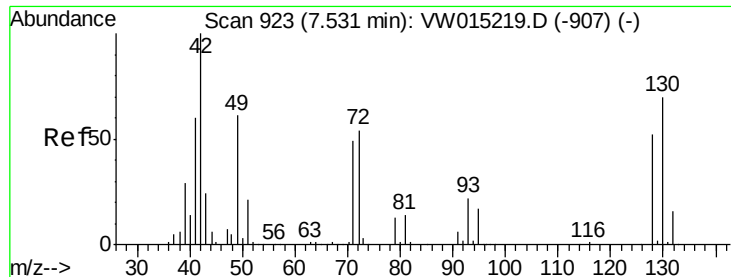


#28

Bromochloromethane
 Concen: 45.167 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VW015299.D
 Acq: 22 Apr 2020 11:16

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	59676		
129	2.6	0.0	4.6	
130	99.8	60.9	91.3#	





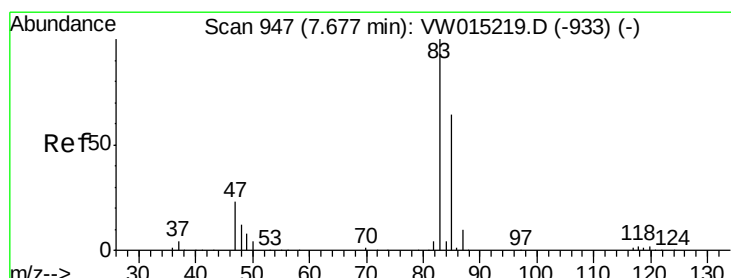
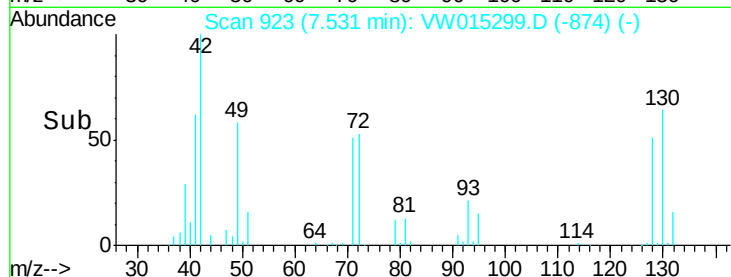
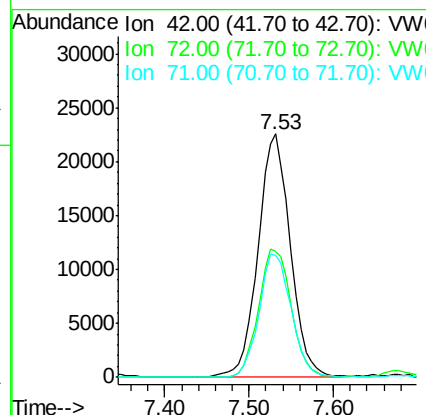
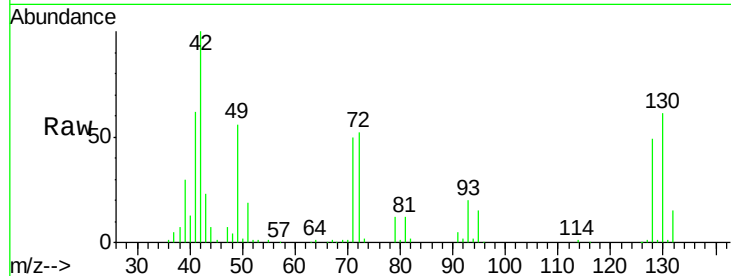
#29
Tetrahydrofuran
Concen: 209.052 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW015299.D
Acq: 22 Apr 2020 11:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	53.5	36.2	54.2
71	50.7	34.2	51.4

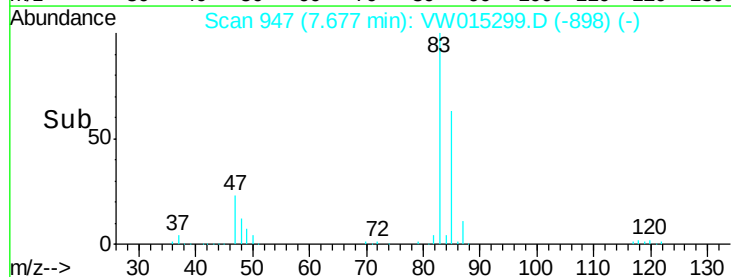
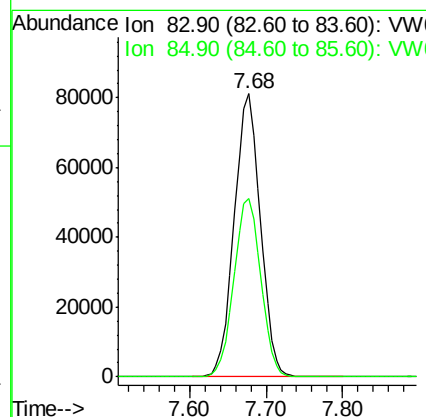
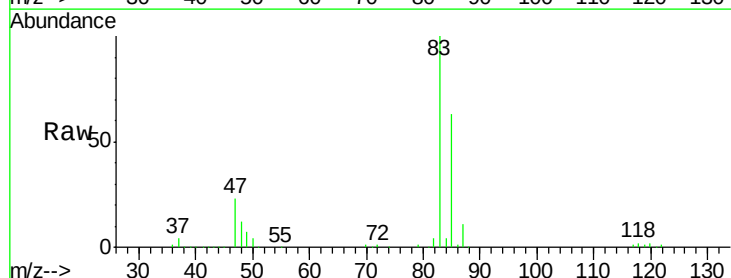
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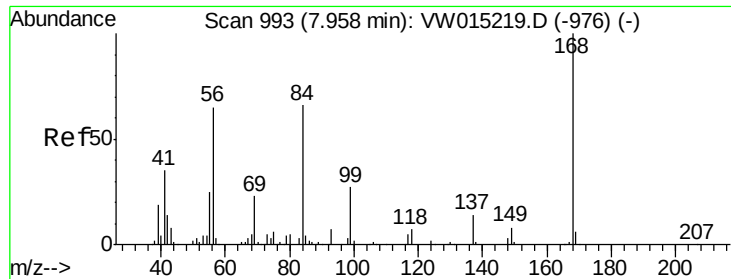
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#30
Chloroform
Concen: 48.999 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW015299.D
Acq: 22 Apr 2020 11:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.9	50.9	76.3





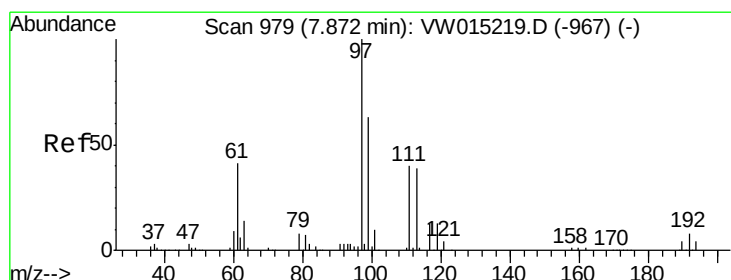
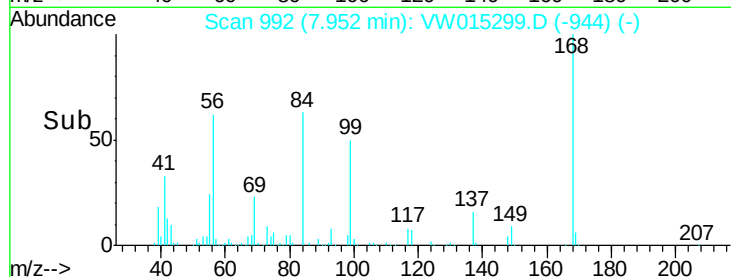
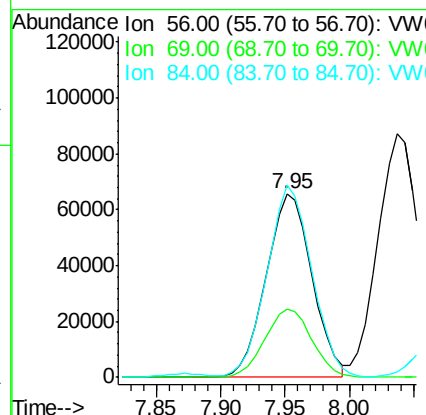
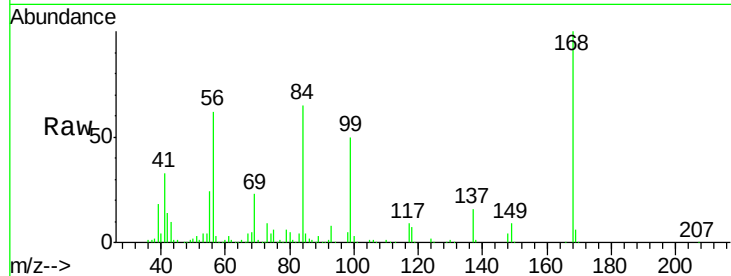
#31
Cyclohexane
Concen: 44.525 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW015299.D
Acq: 22 Apr 2020 11:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.5	27.1	40.7
84	102.7	71.9	107.9

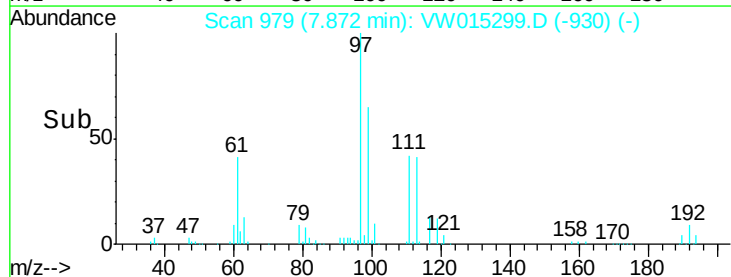
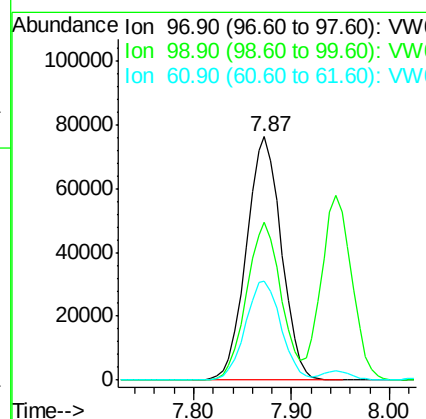
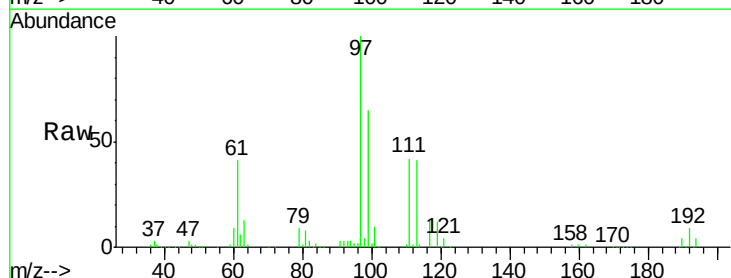
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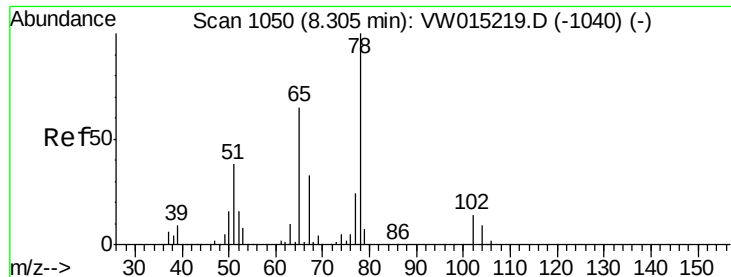
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#32
1,1,1-Trichloroethane
Concen: 49.781 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW015299.D
Acq: 22 Apr 2020 11:16

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	52.2	78.2
61	41.6	34.2	51.2





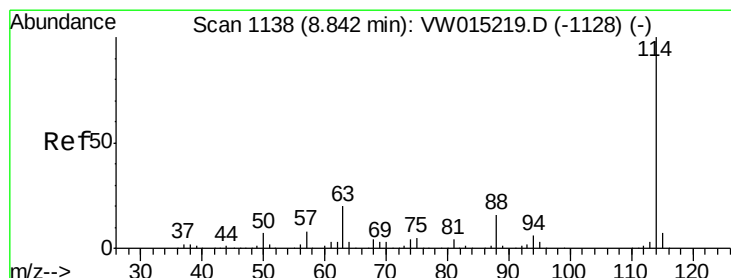
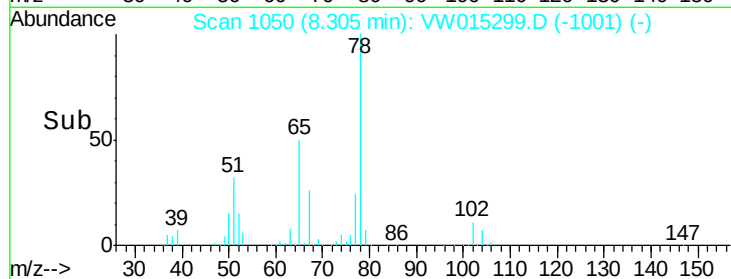
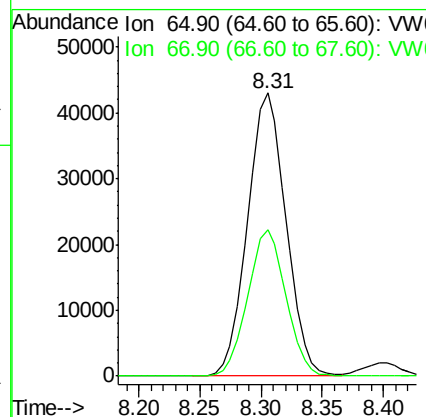
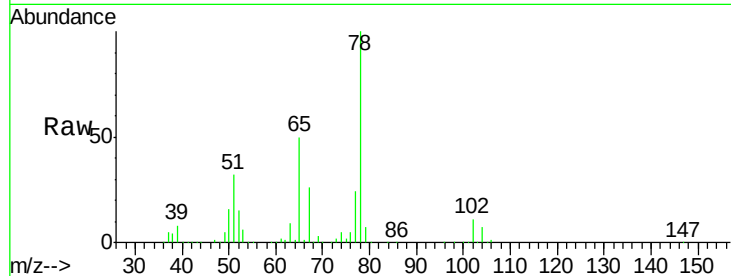
#33
 1,2-Dichloroethane-d4
 Concen: 47.714 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW015299.D
 Acq: 22 Apr 2020 11:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	107.0

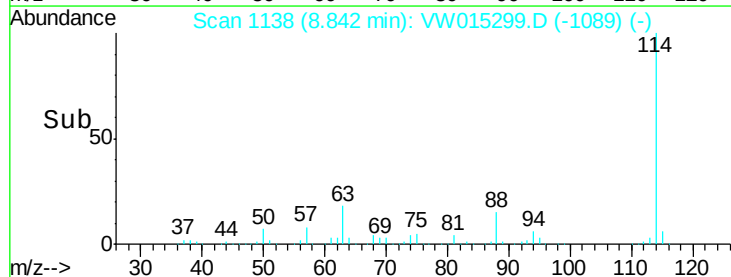
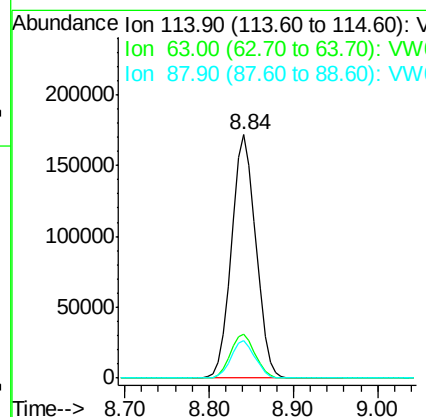
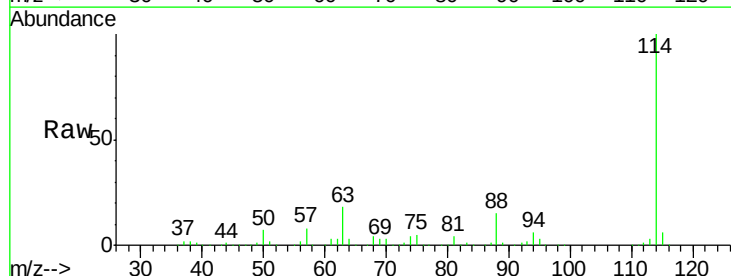
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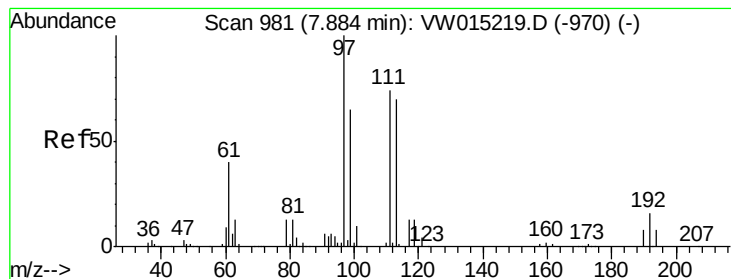
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW015299.D
 Acq: 22 Apr 2020 11:16

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.2	0.0	39.8
88	15.5	0.0	30.2





#35

Dibromofluoromethane

Concen: 51.504 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW015299.D

Acq: 22 Apr 2020 11:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:113 Resp: 96232

Ion Ratio Lower Upper

113 100

111 103.0 83.0 124.4

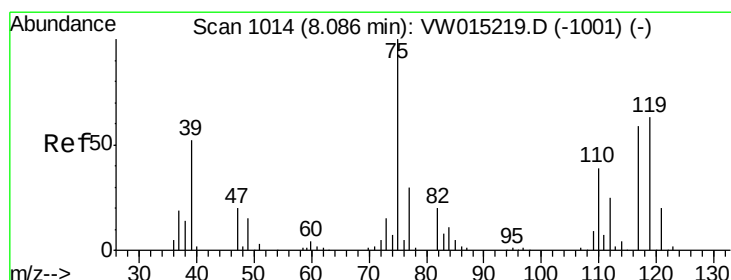
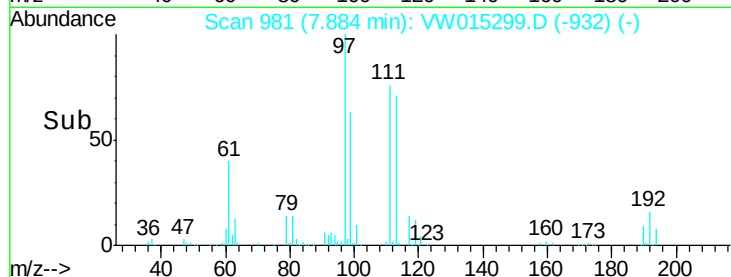
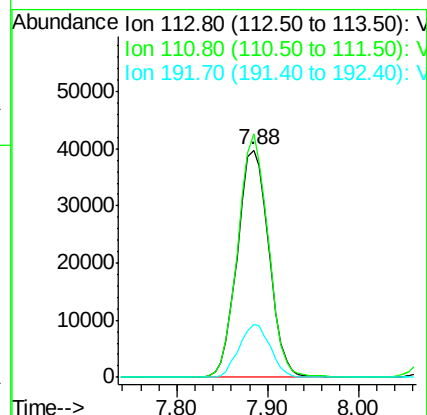
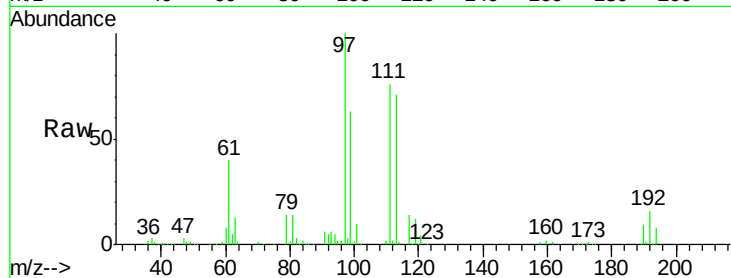
192 23.2 15.1 22.7#

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#36

1,1-Dichloropropene

Concen: 50.413 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.01 min

Lab File: VW015299.D

Acq: 22 Apr 2020 11:16

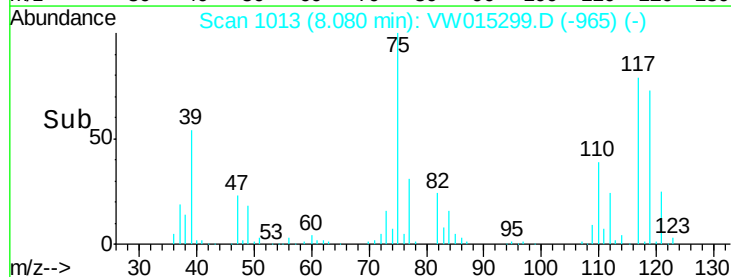
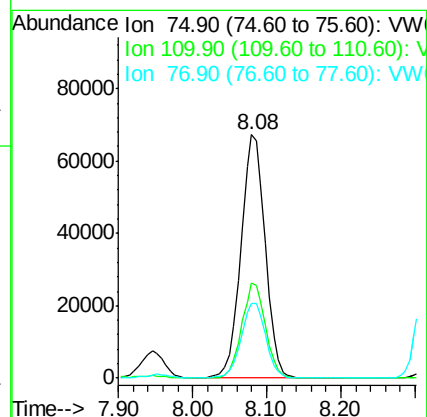
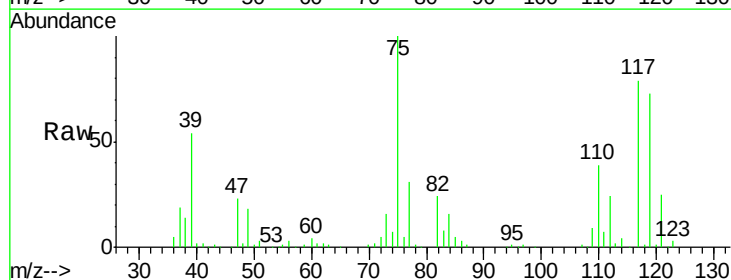
Tgt Ion: 75 Resp: 153480

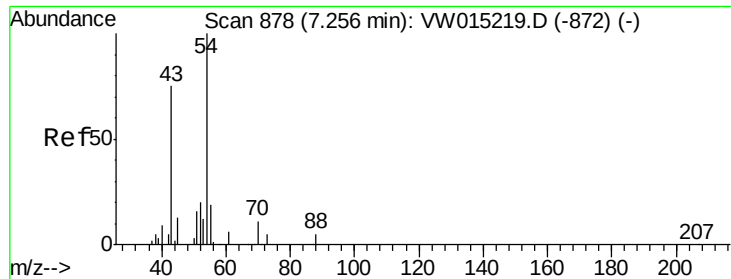
Ion Ratio Lower Upper

75 100

110 38.2 18.2 54.6

77 31.4 24.5 36.7





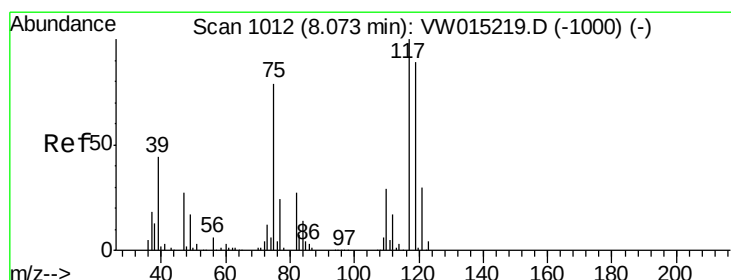
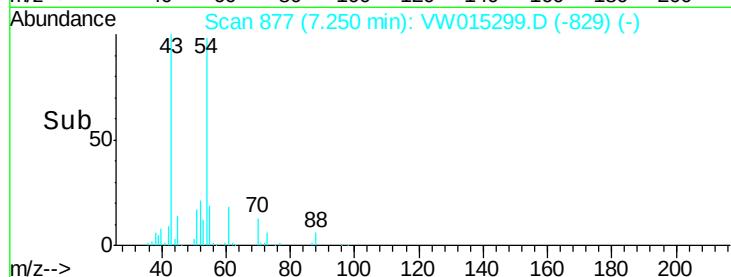
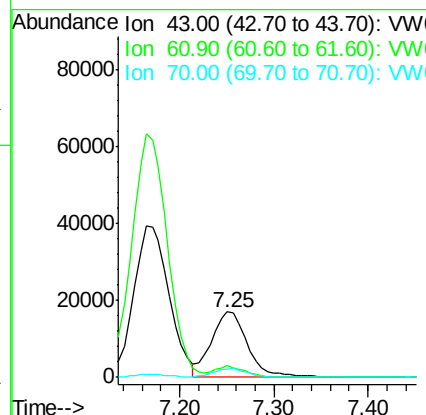
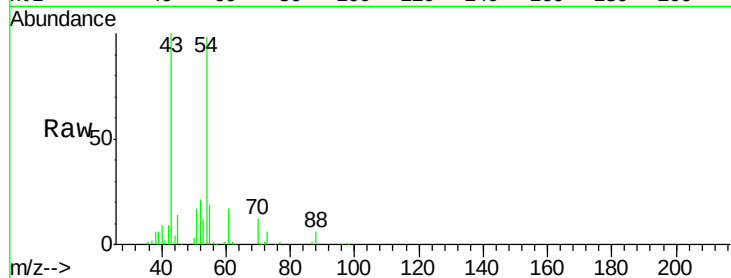
#37
Ethyl Acetate
Concen: 45.025 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.01 min
Lab File: VW015299.D
Acq: 22 Apr 2020 11:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	11.9	17.9
70	12.9	8.8	13.2

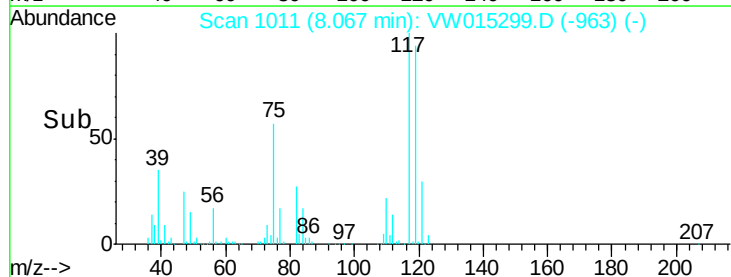
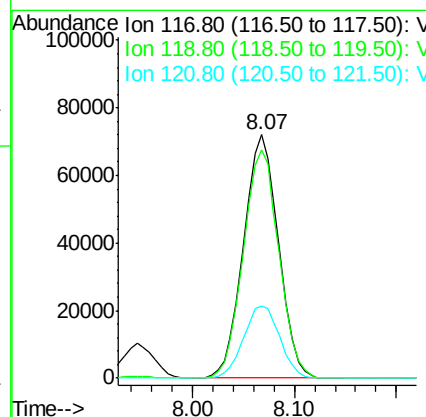
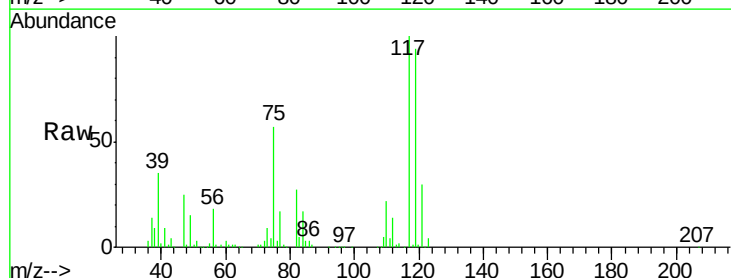
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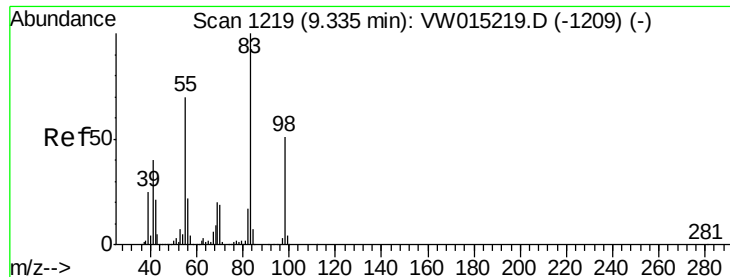
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#38
Carbon Tetrachloride
Concen: 51.527 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VW015299.D
Acq: 22 Apr 2020 11:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.8	72.3	108.5
121	29.7	23.7	35.5





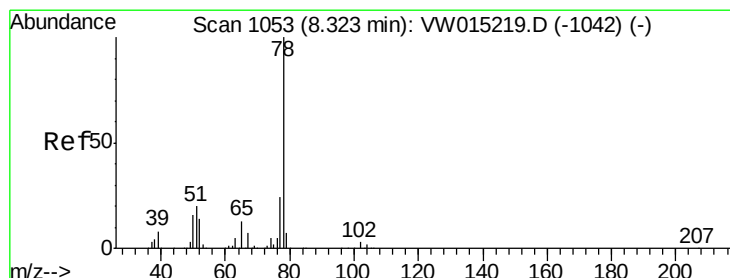
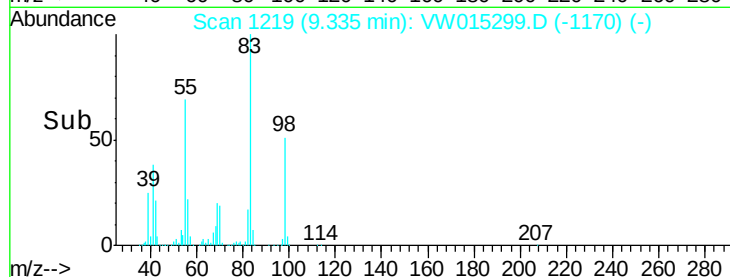
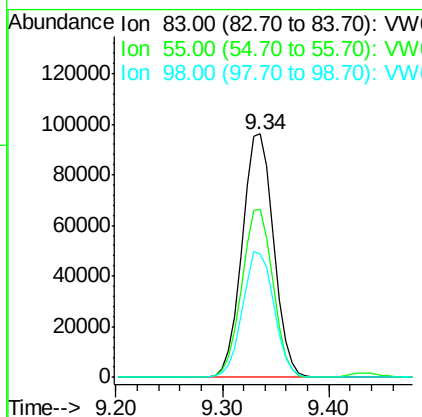
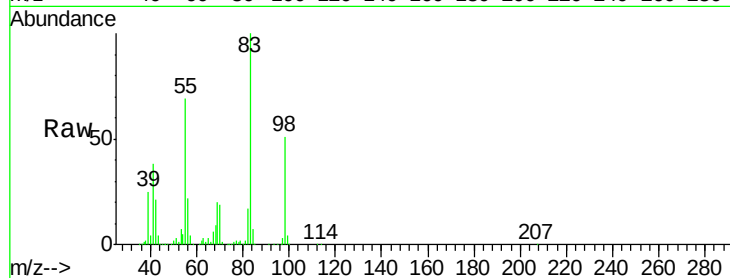
#39
Methylvlcyclohexane
Concen: 49.425 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW015299.D
Acq: 22 Apr 2020 11:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	68.9	58.1	87.1
98	50.9	40.2	60.4

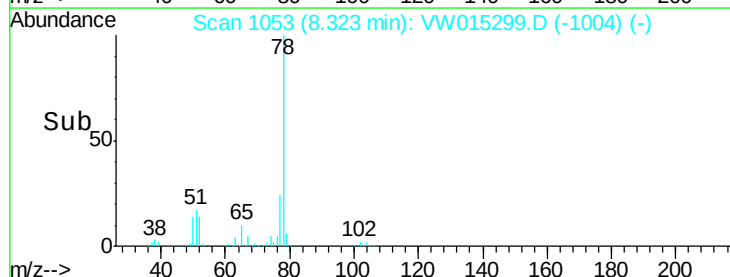
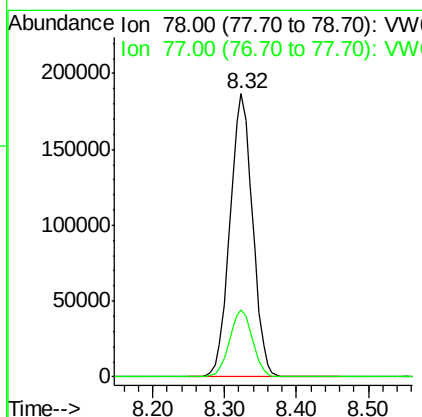
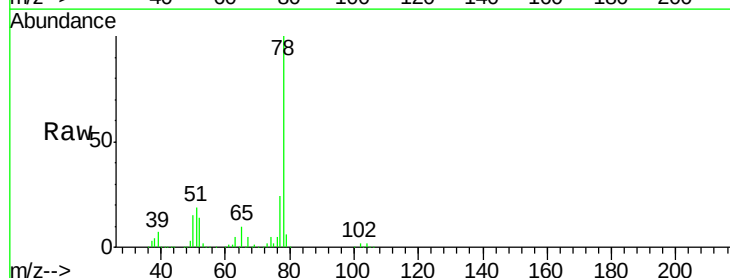
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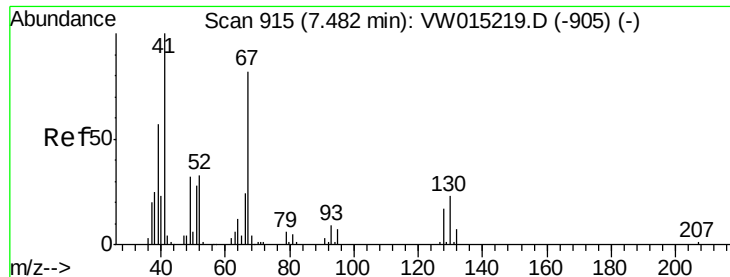
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#40
Benzene
Concen: 50.094 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW015299.D
Acq: 22 Apr 2020 11:16

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.2	27.2





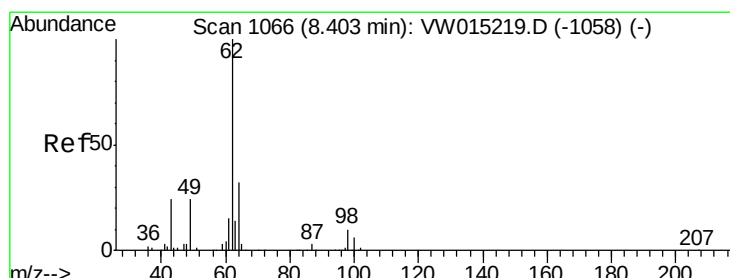
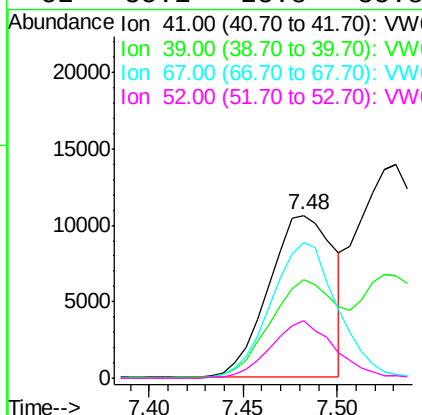
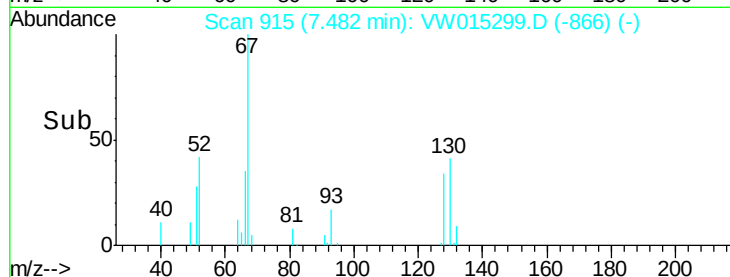
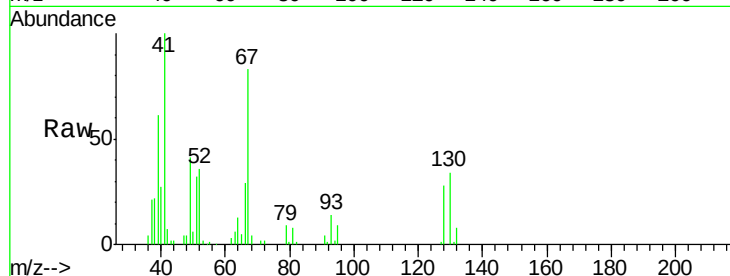
#41
Methacrylonitrile
Concen: 42.865 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW015299.D
Acq: 22 Apr 2020 11:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		25412		
39	66.3	41.9	62.9#		
67	85.9	60.6	91.0		
52	35.1	23.8	35.8		

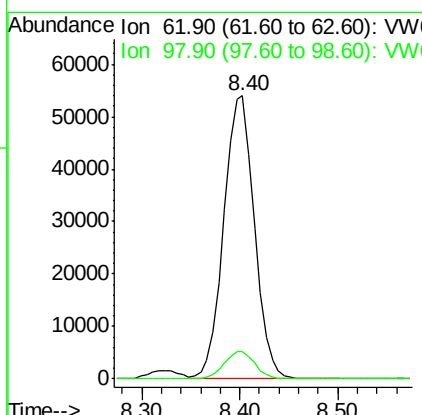
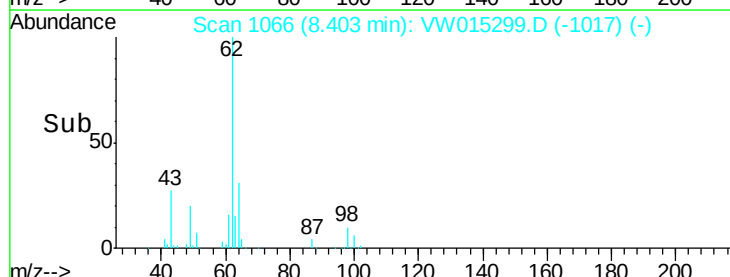
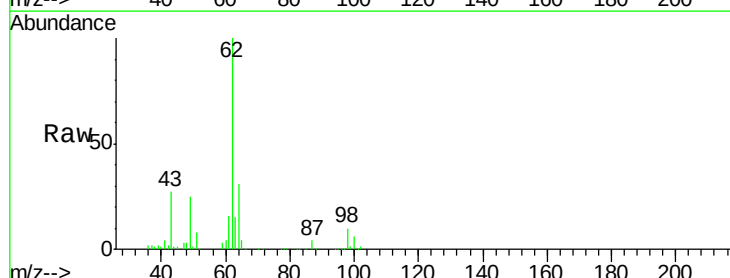
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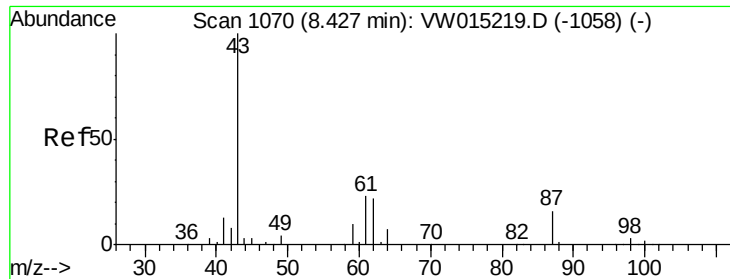
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#42
1,2-Dichloroethane
Concen: 48.877 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW015299.D
Acq: 22 Apr 2020 11:16

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		117016		
98	9.8	0.0	20.4		





#43

Isopropyl Acetate

Concen: 43.460 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW015299.D

Acq: 22 Apr 2020 11:16

Instrument :

MSVOA_W

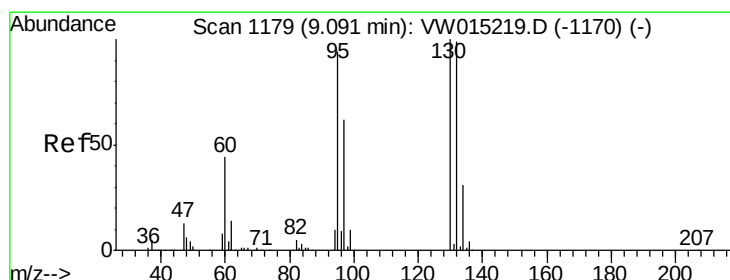
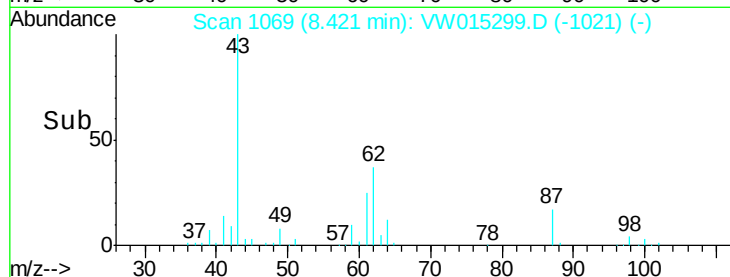
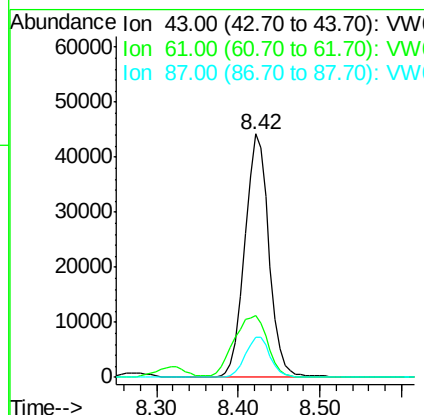
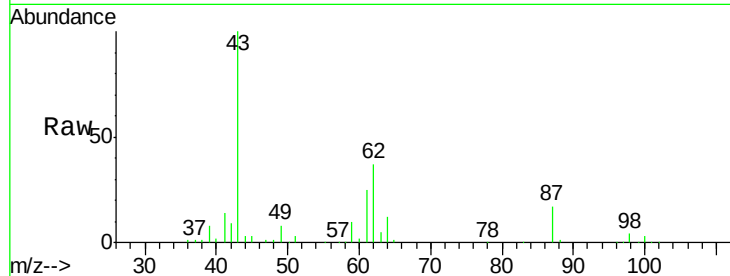
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	90061
Ion	Ratio	Lower	Upper
43	100		
61	35.8	24.8	37.2
87	17.0	11.4	17.2

Manual Integrations
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#44

Trichloroethene

Concen: 52.088 ug/l

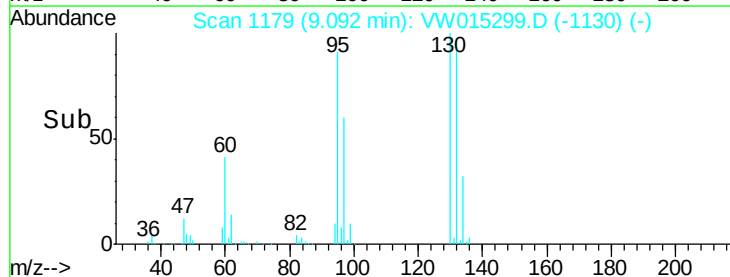
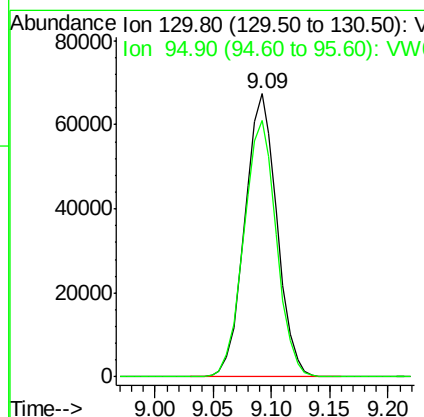
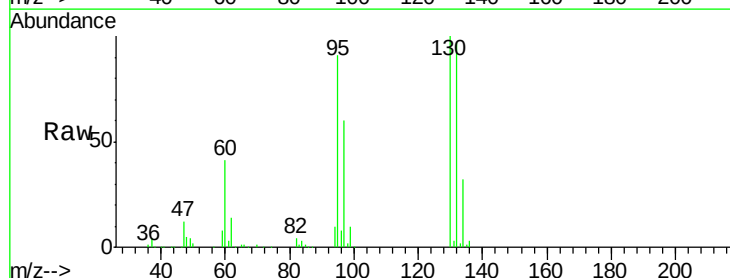
RT: 9.09 min Scan# 1179

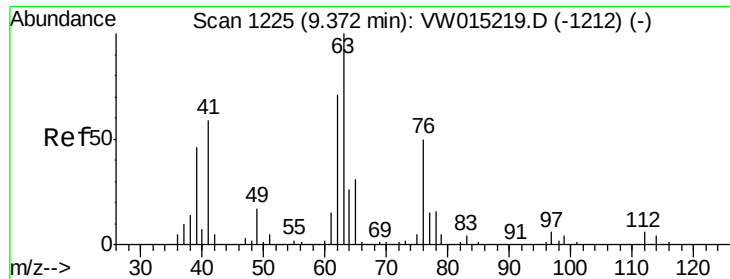
Delta R.T. 0.00 min

Lab File: VW015299.D

Acq: 22 Apr 2020 11:16

Tgt Ion:	130	Resp:	129573
Ion	Ratio	Lower	Upper
130	100		
95	90.6	0.0	196.4





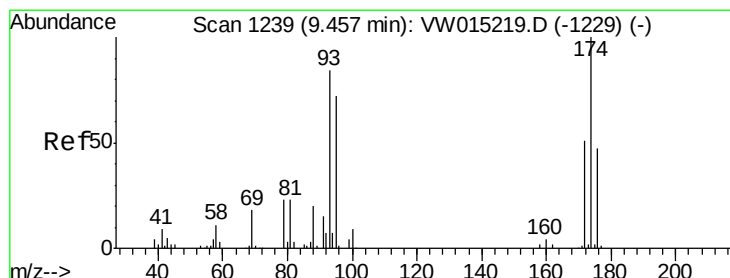
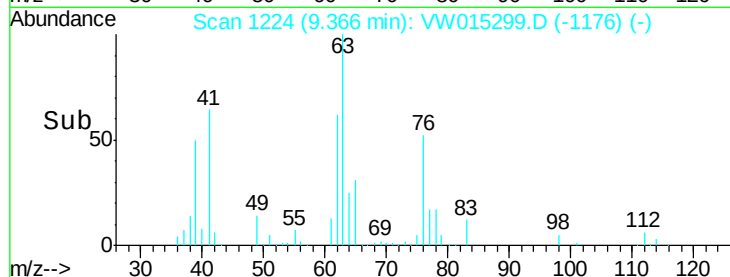
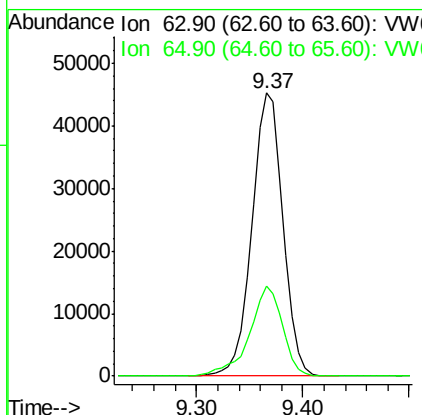
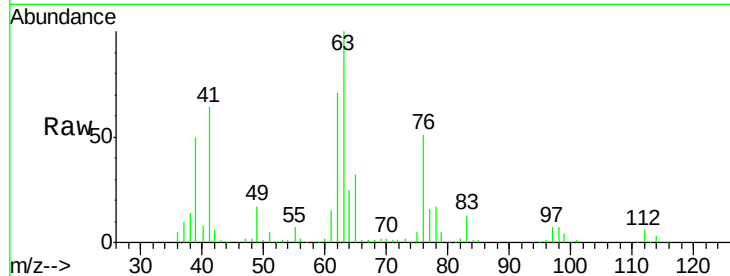
#45
 1,2-Dichloropropane
 Concen: 48.798 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.01 min
 Lab File: VW015299.D
 Acq: 22 Apr 2020 11:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 92288
 Ion Ratio Lower Upper
 63 100
 65 31.9 25.5 38.3

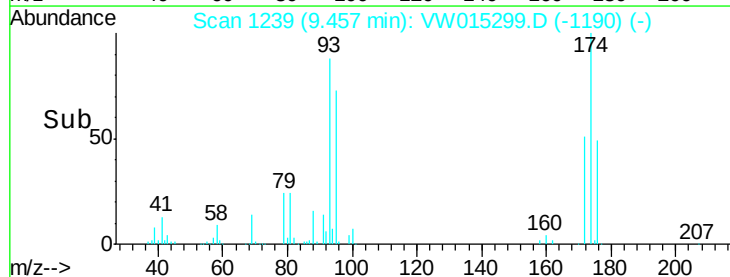
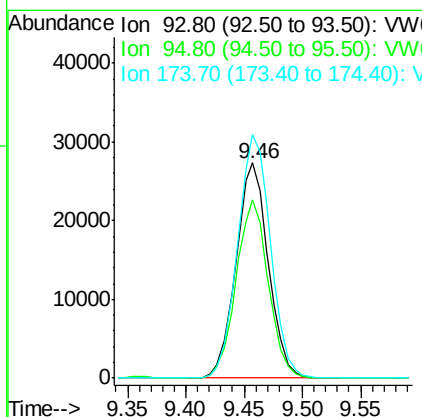
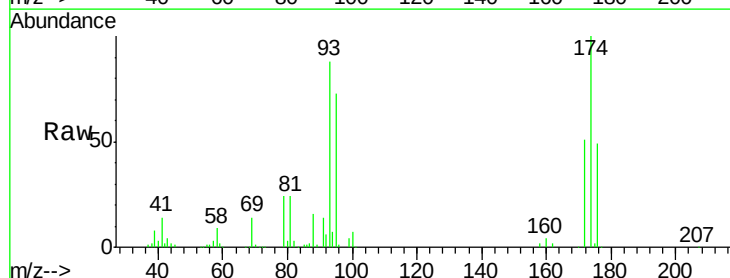
Manual Integrations
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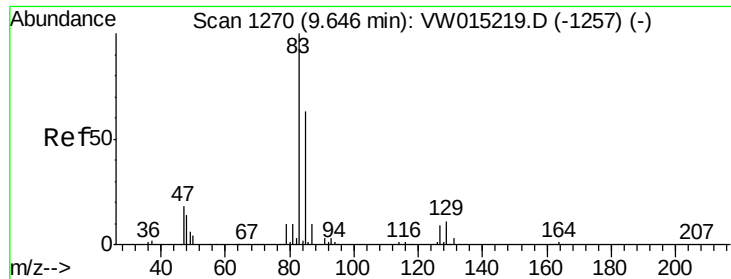
MMDadoda
 4/23/2020 1:32:49 PM



#46
 Dibromomethane
 Concen: 48.162 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW015299.D
 Acq: 22 Apr 2020 11:16

Tgt Ion: 93 Resp: 52689
 Ion Ratio Lower Upper
 93 100
 95 82.4 67.5 101.3
 174 115.4 74.1 111.1#





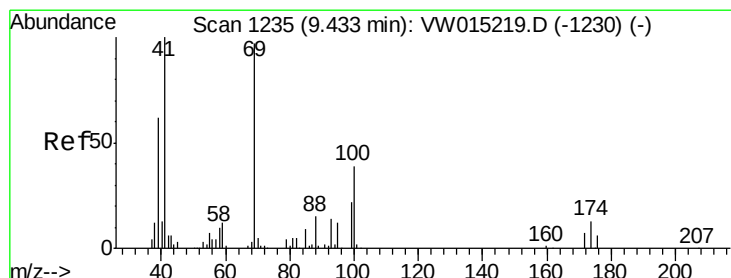
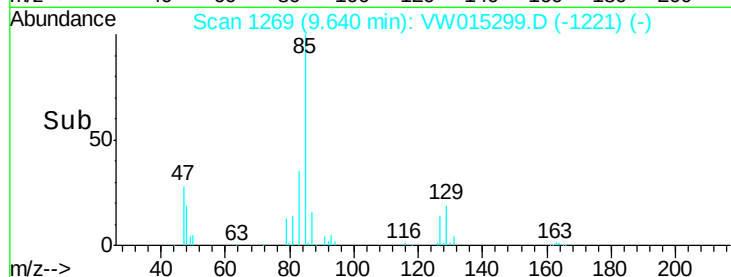
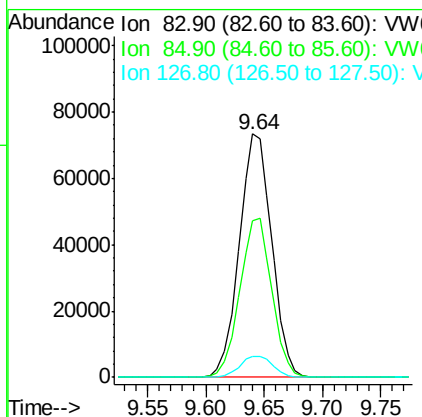
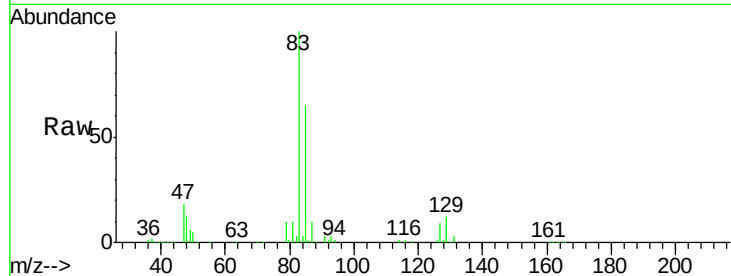
#47
Bromodichloromethane
Concen: 48.832 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.01 min
Lab File: VW015299.D
Acq: 22 Apr 2020 11:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	142812		
85	64.5	50.6	76.0	
127	8.7	6.7	10.1	

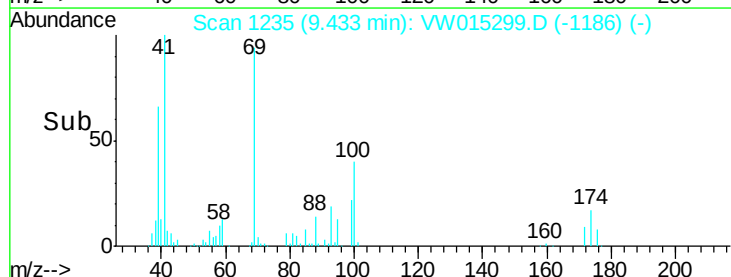
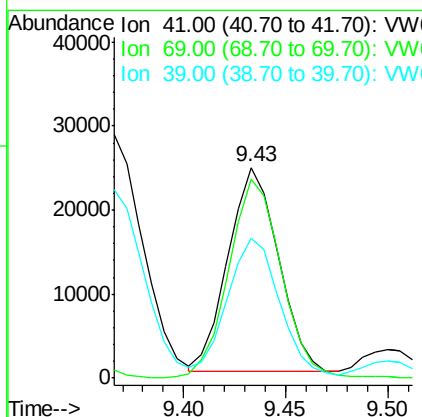
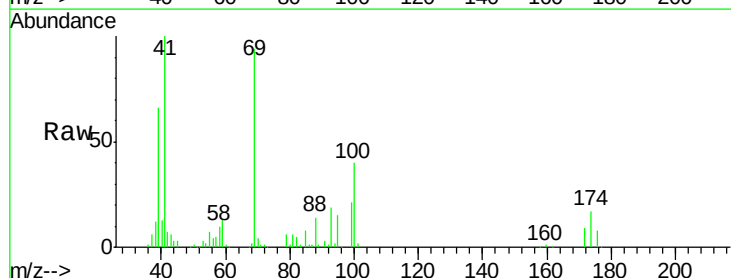
Manual Integrations
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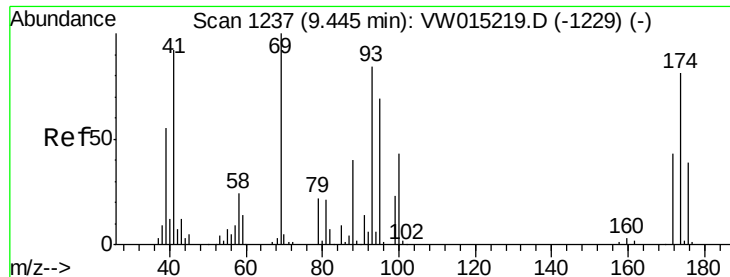
MMDadoda
4/23/2020 1:32:49 PM



#48
Methyl methacrylate
Concen: 42.530 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW015299.D
Acq: 22 Apr 2020 11:16

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	41664		
69	102.3	70.6	105.8	
39	67.9	42.6	64.0#	





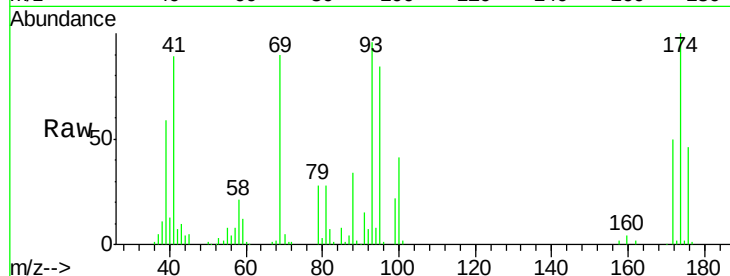
#49
 1,4-Dioxane
 Concen: 875.604 ug/l
 RT: 9.45 min Scan# 1237
 Delta R.T. 0.00 min
 Lab File: VW015299.D
 Acq: 22 Apr 2020 11:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

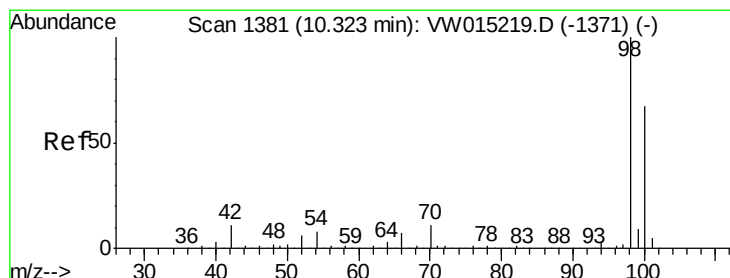
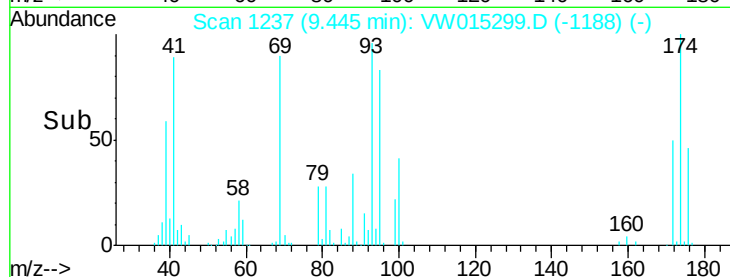
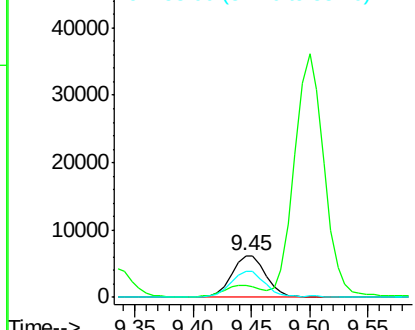
Tot Ion	Ratio	Lower	Upper
88	100		
43	30.4	23.5	35.3
58	63.9	55.4	83.2

Manual Integrations
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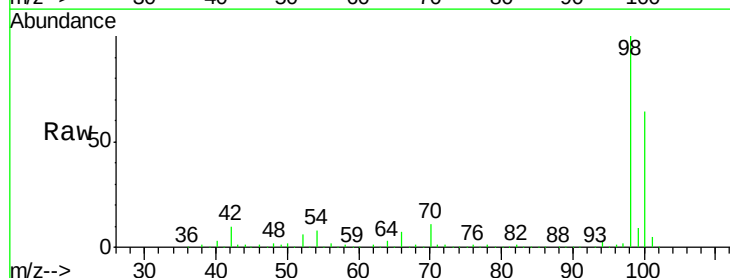


Abundance Ion 88.00 (87.70 to 88.70): VW
 Ion 43.00 (42.70 to 43.70): VW
 Ion 58.00 (57.70 to 58.70): VW

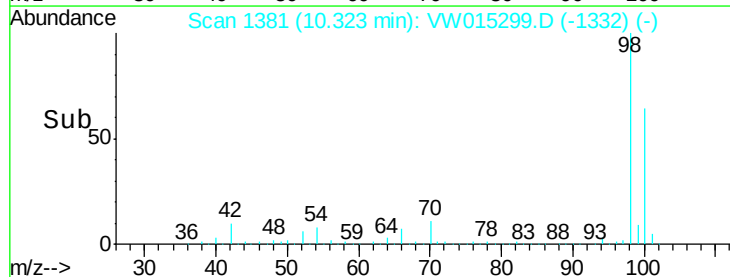
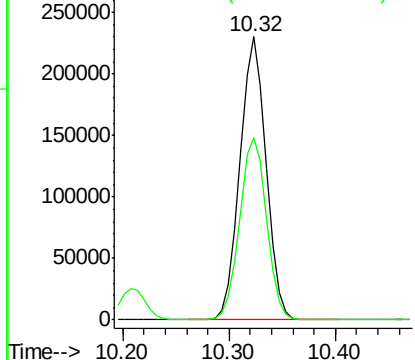


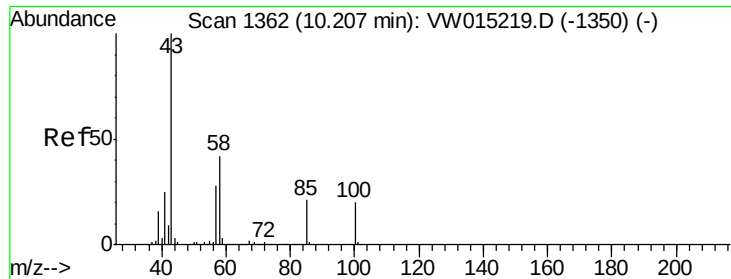
#50
 Toluene-d8
 Concen: 50.740 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. 0.00 min
 Lab File: VW015299.D
 Acq: 22 Apr 2020 11:16

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.0	52.9	79.3



Abundance Ion 98.00 (97.70 to 98.70): VW
 Ion 100.00 (99.70 to 100.70): VW





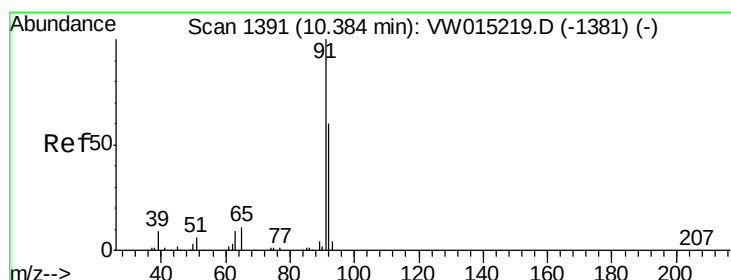
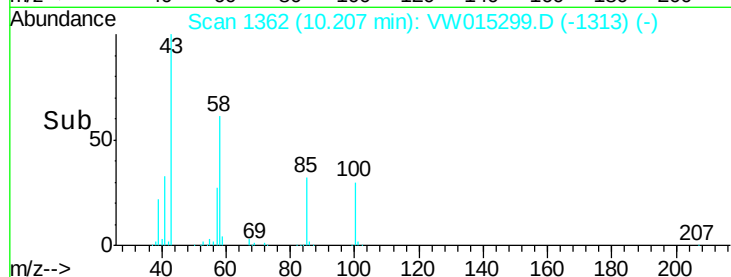
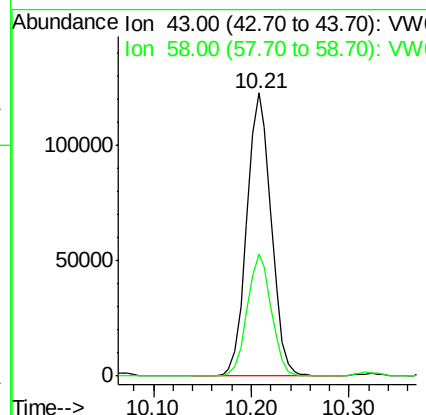
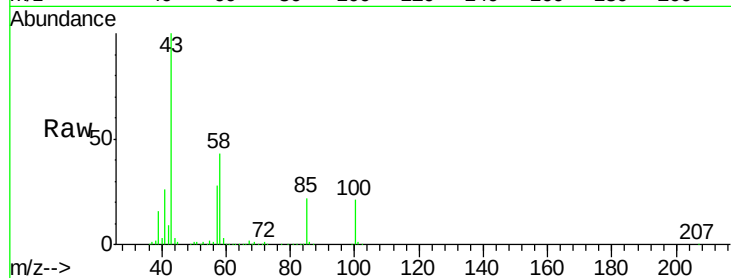
#51
 4-Methyl-2-Pentanone
 Concen: 217.143 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VW015299.D
 Acq: 22 Apr 2020 11:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	42.7	32.3	48.5

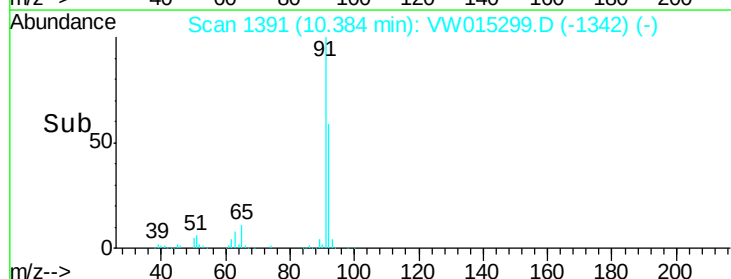
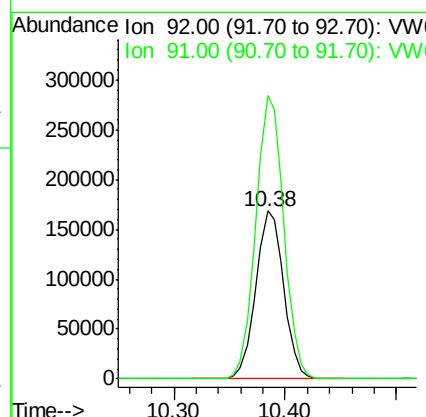
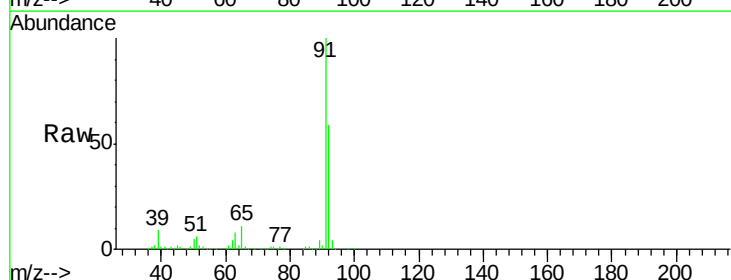
Manual Integrations
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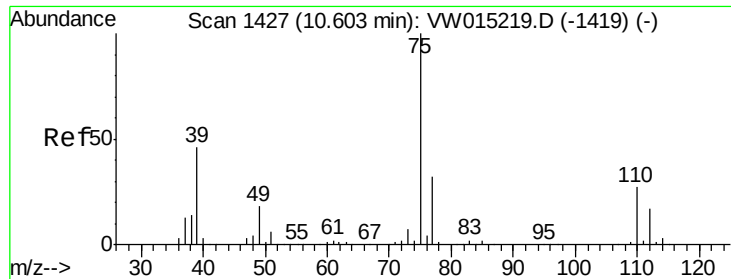
MMDadoda
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#52
 Toluene
 Concen: 51.573 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VW015299.D
 Acq: 22 Apr 2020 11:16

Tgt Ion	Ratio	Lower	Upper
92	100		
91	169.9	137.1	205.7





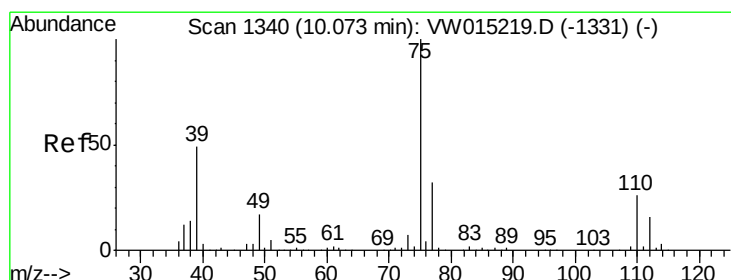
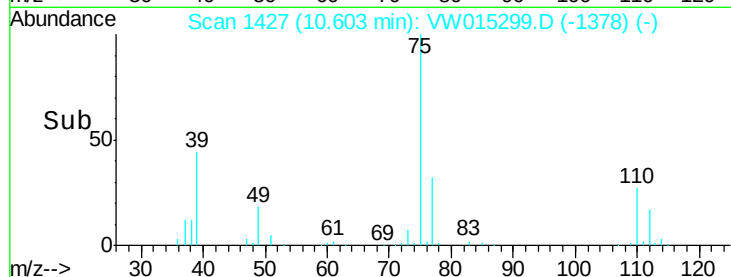
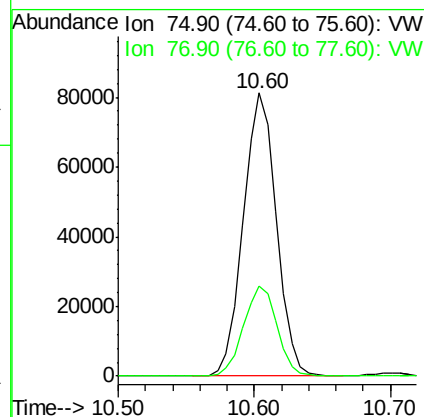
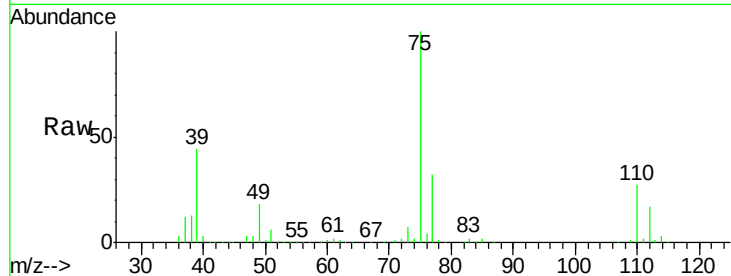
#53
t-1,3-Dichloropropene
Concen: 47.942 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VW015299.D
Acq: 22 Apr 2020 11:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.5	38.3

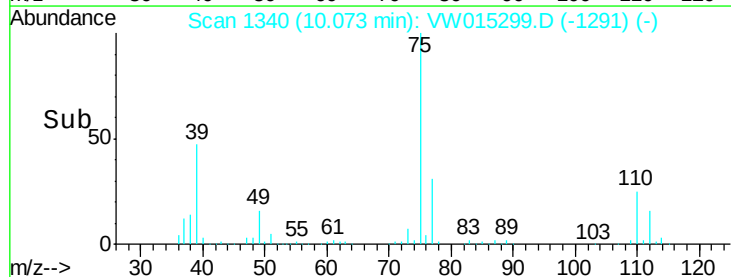
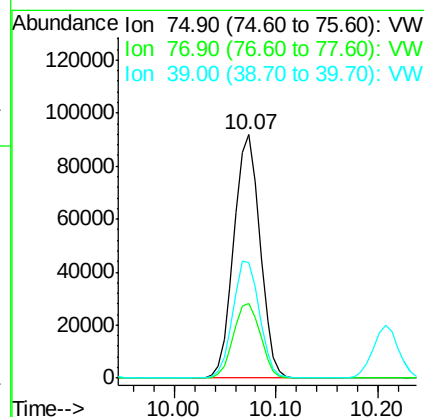
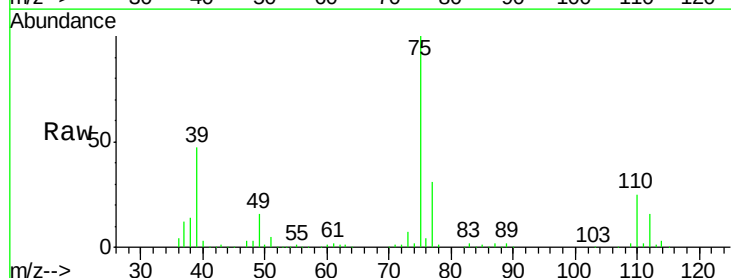
Manual Integrations
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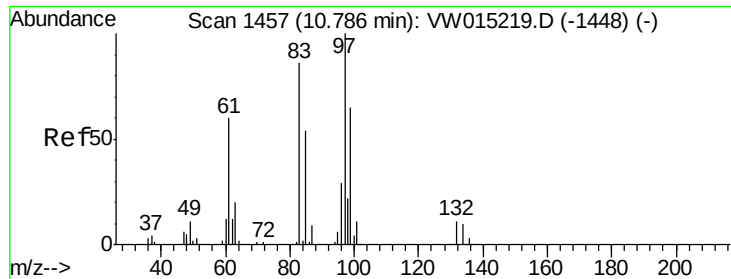
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 48.693 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW015299.D
Acq: 22 Apr 2020 11:16

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.6	26.6	39.8
39	47.3	37.8	56.6





#55

1,1,2-Trichloroethane

Concen: 47.267 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW015299.D

Acq: 22 Apr 2020 11:16

Instrument :

MSVOA_W

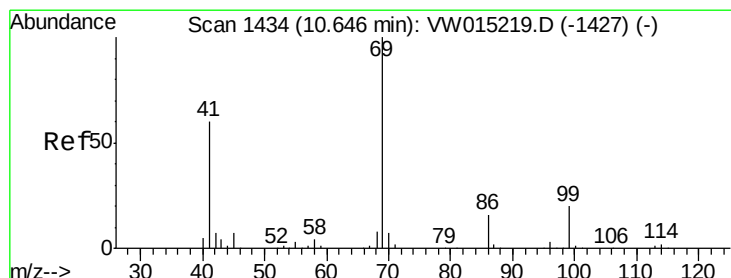
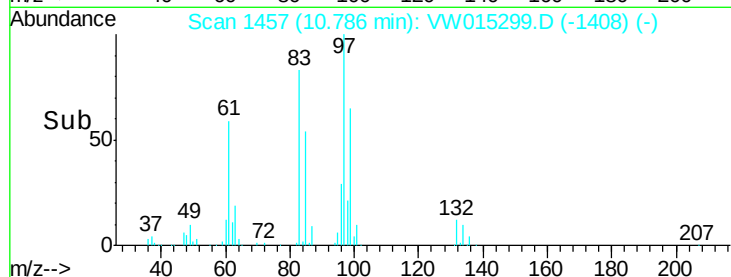
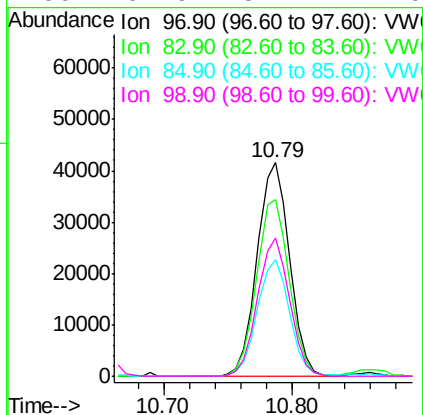
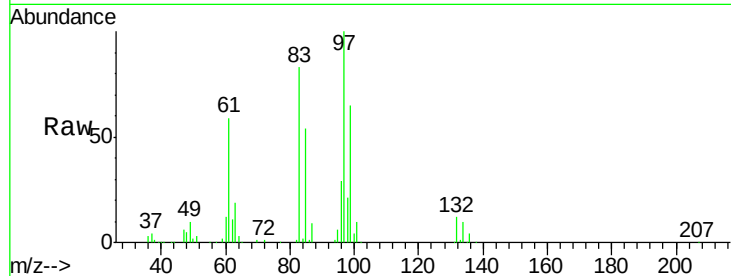
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	72407
Ion	Ratio	Lower	Upper
97	100		
83	82.7	67.3	100.9
85	54.5	43.8	65.8
99	64.9	51.4	77.0

Manual Integrations
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#56

Ethyl methacrylate

Concen: 45.651 ug/l

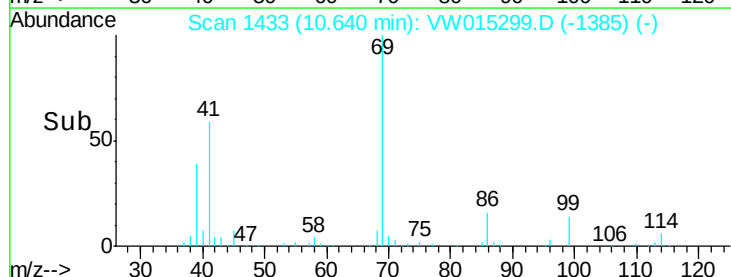
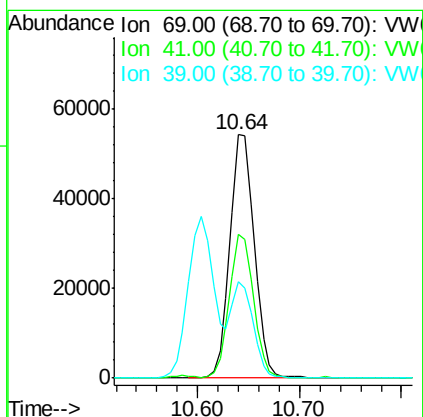
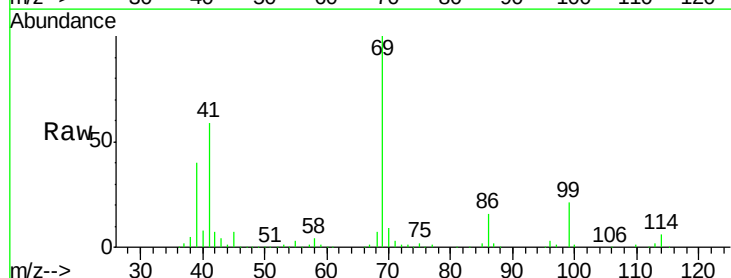
RT: 10.64 min Scan# 1433

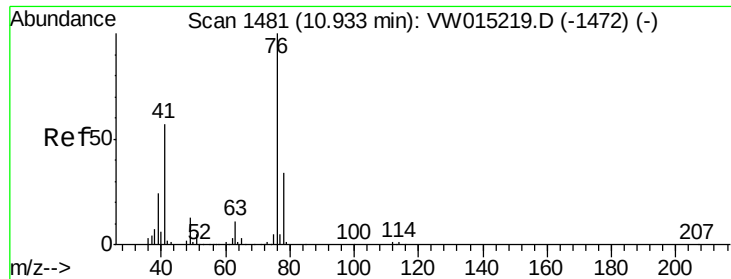
Delta R.T. -0.01 min

Lab File: VW015299.D

Acq: 22 Apr 2020 11:16

Tgt Ion:	69	Resp:	90089
Ion	Ratio	Lower	Upper
69	100		
41	57.4	51.3	76.9
39	34.3	24.6	37.0





#57

1,3-Dichloropropane

Concen: 48.397 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW015299.D

Acq: 22 Apr 2020 11:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 122810

Ion Ratio Lower Upper

76 100

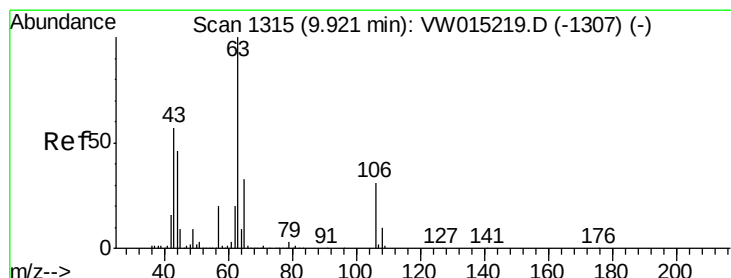
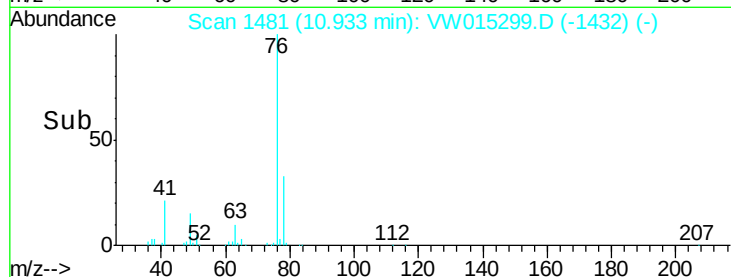
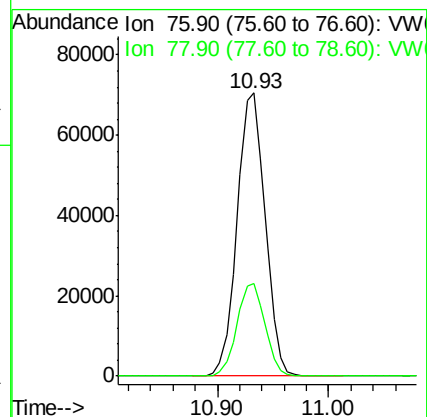
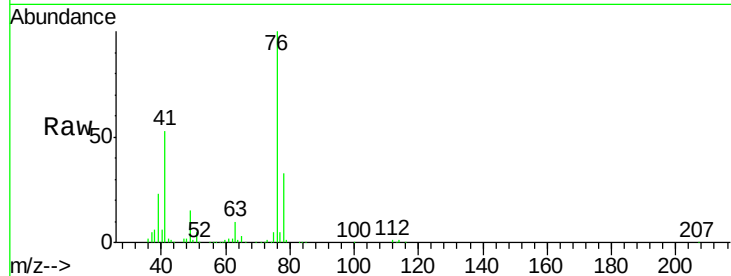
78 32.6 26.2 39.4

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#58

2-Chloroethyl Vinyl ether

Concen: 230.830 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VW015299.D

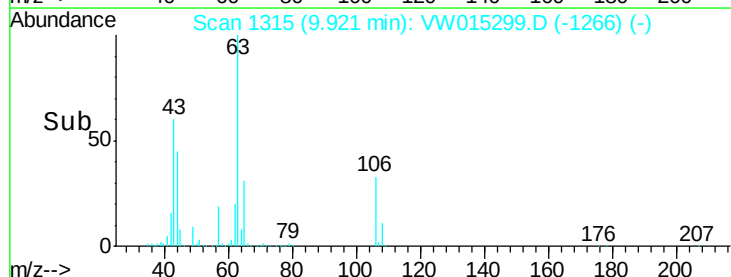
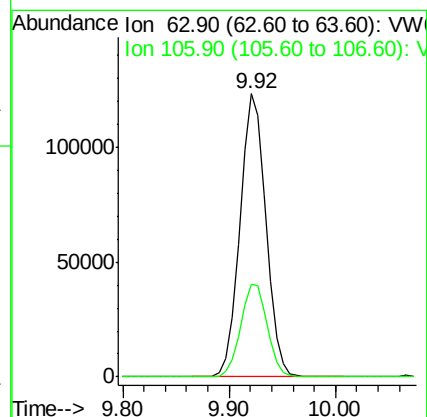
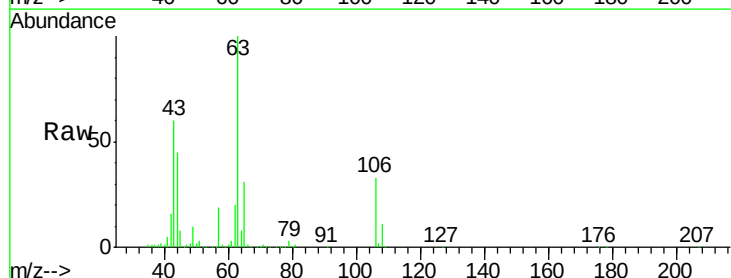
Acq: 22 Apr 2020 11:16

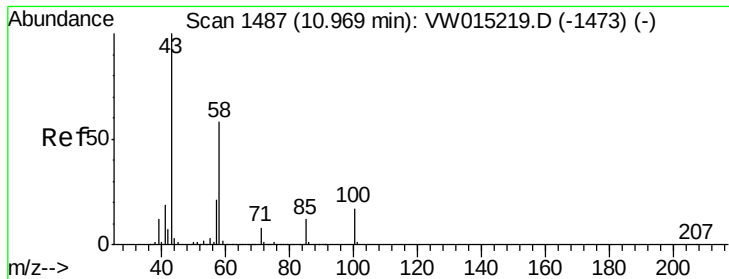
Tgt Ion: 63 Resp: 211192

Ion Ratio Lower Upper

63 100

106 33.5 22.6 33.8





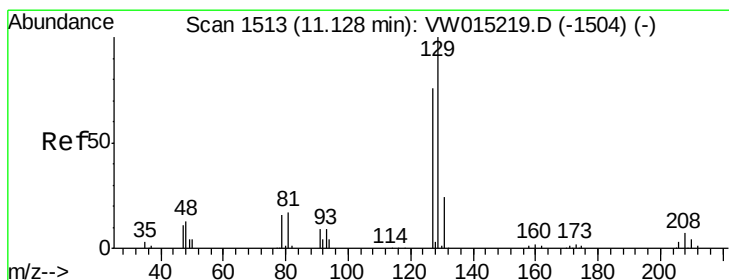
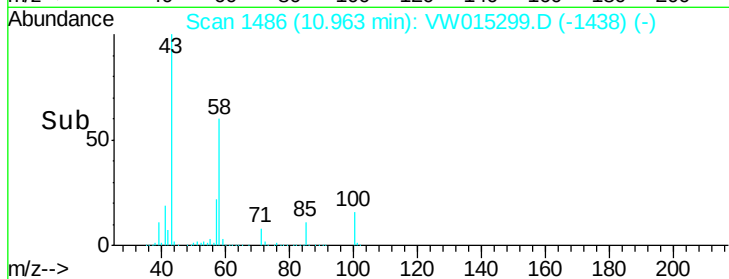
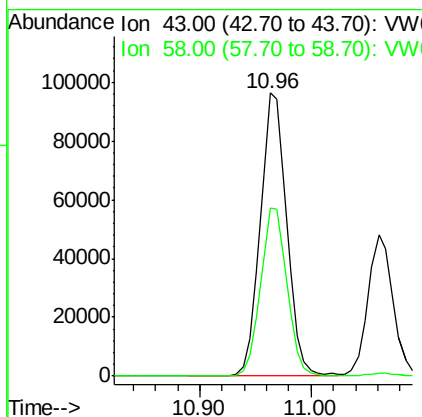
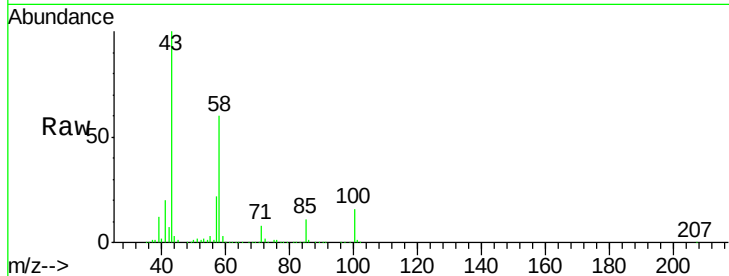
#59
2-Hexanone
Concen: 230.201 ug/l
RT: 10.96 min Scan# 1486
Delta R.T. -0.01 min
Lab File: VW015299.D
Acq: 22 Apr 2020 11:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	159853
Ion Ratio	100	Lower	Upper
43	100		
58	59.6	28.1	84.3

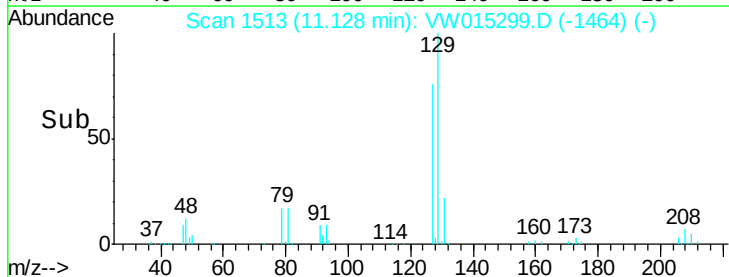
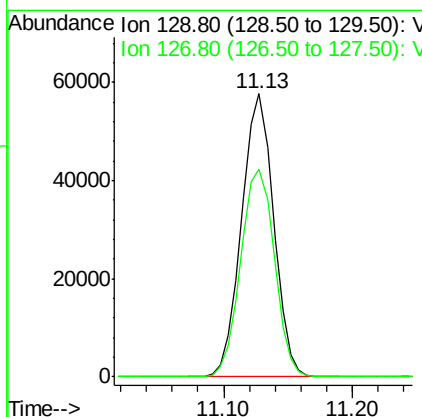
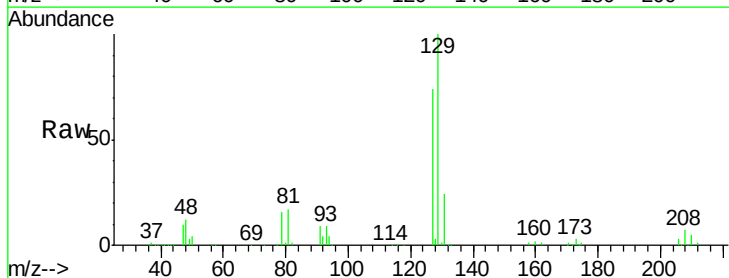
Manual Integrations
APPROVED

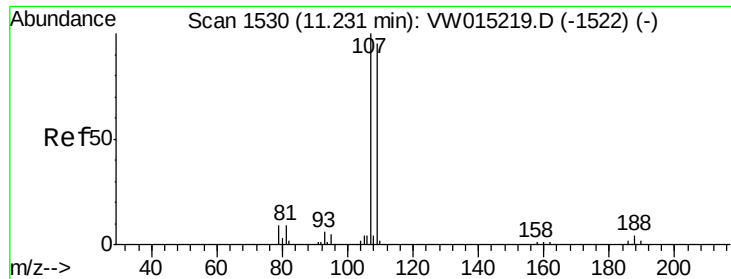
MMDadoda
4/23/2020 1:32:49 PM



#60
Dibromochloromethane
Concen: 49.055 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW015299.D
Acq: 22 Apr 2020 11:16

Tgt Ion	129	Resp	99220
Ion Ratio	100	Lower	Upper
129	100		
127	77.2	38.3	114.8





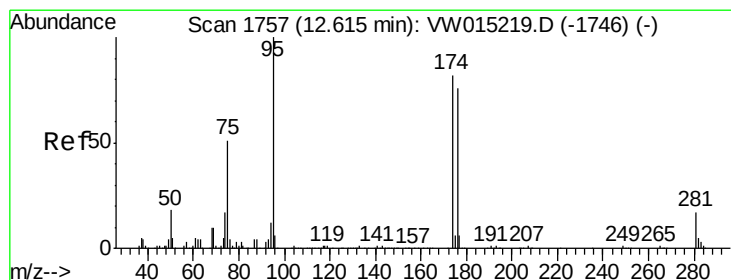
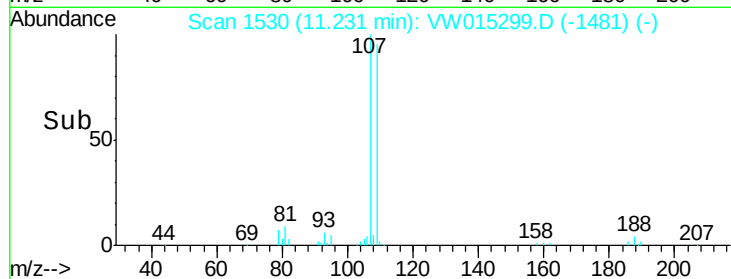
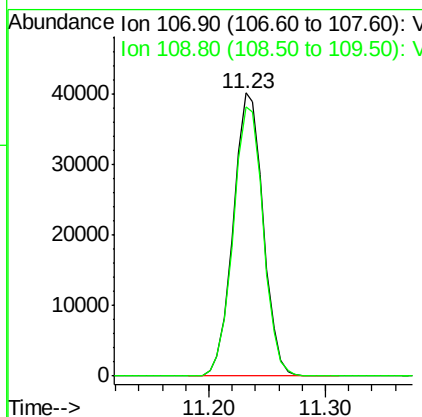
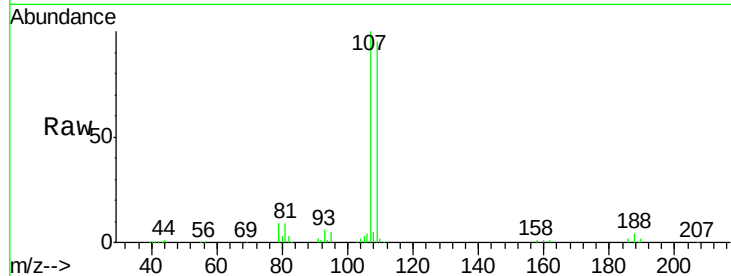
#61
 1,2-Dibromoethane
 Concen: 47.922 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW015299.D
 Acq: 22 Apr 2020 11:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.1	74.3	111.5

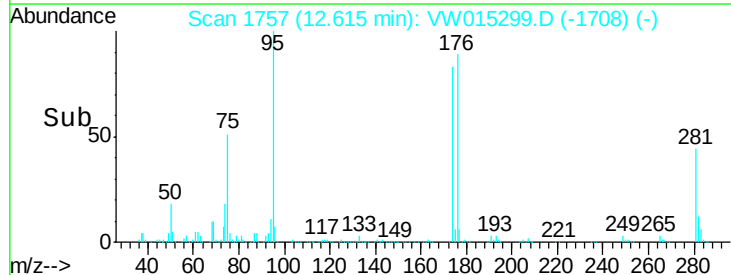
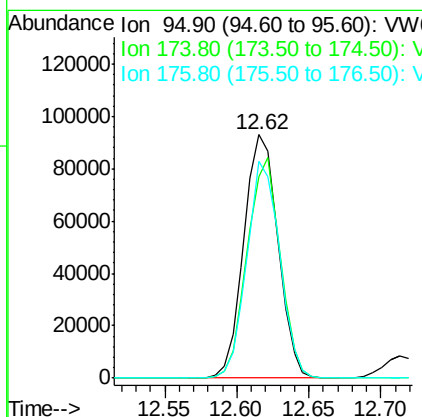
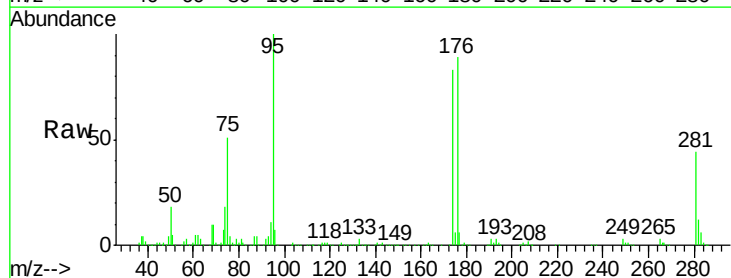
Manual Integrations
 APPROVED

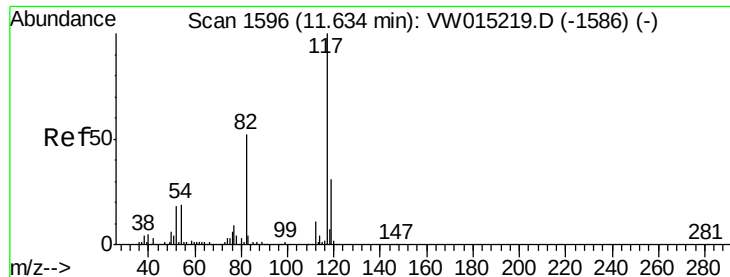
MMDadoda
 4/23/2020 1:32:49 PM



#62
 4-Bromofluorobenzene
 Concen: 50.778 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW015299.D
 Acq: 22 Apr 2020 11:16

Tgt Ion	Ratio	Lower	Upper
95	100		
174	87.6	0.0	144.4
176	85.9	0.0	140.6





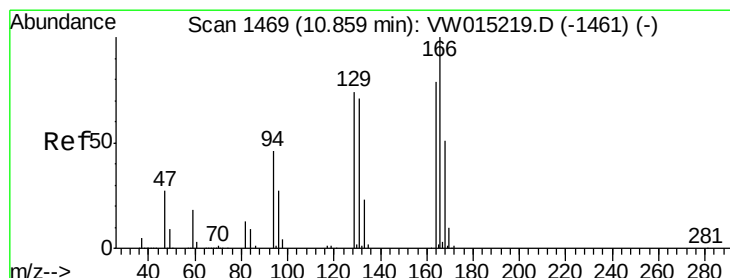
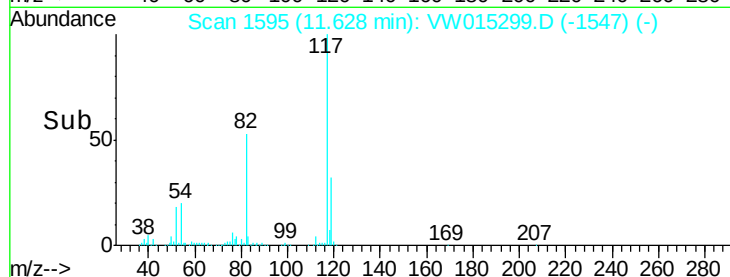
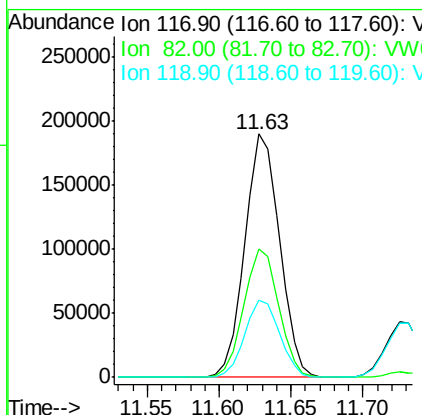
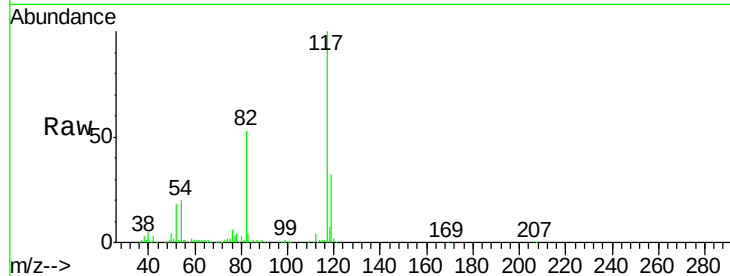
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW015299.D
Acq: 22 Apr 2020 11:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.0	44.1	66.1
119	31.8	24.9	37.3

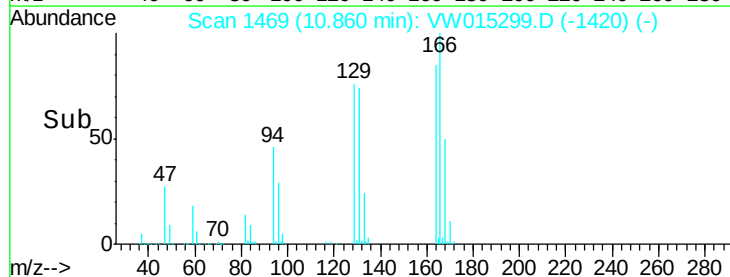
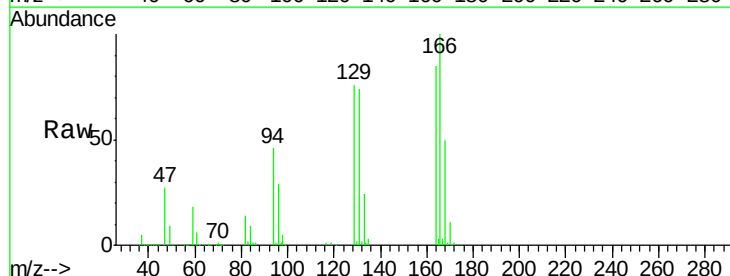
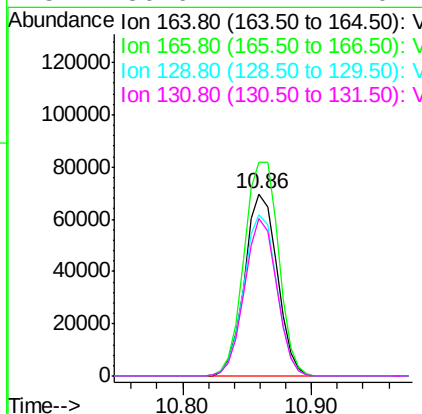
Manual Integrations
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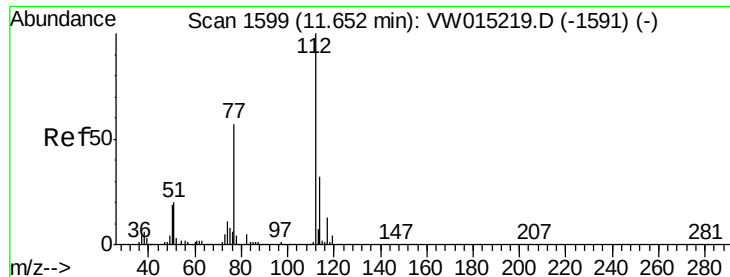
MMDadoda
4/23/2020 1:32:49 PM



#64
Tetrachloroethene
Concen: 53.812 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW015299.D
Acq: 22 Apr 2020 11:16

Tgt Ion	Ratio	Lower	Upper
164	100		
166	117.4	102.6	154.0
129	88.9	80.2	120.2
131	86.6	77.4	116.2





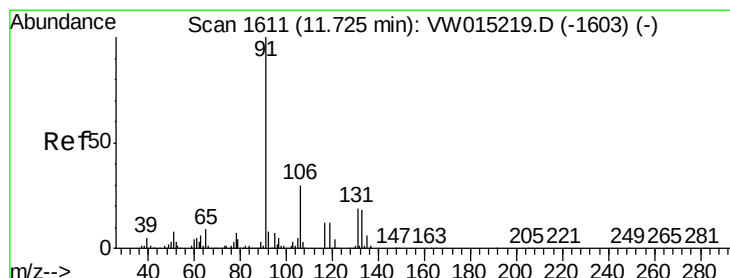
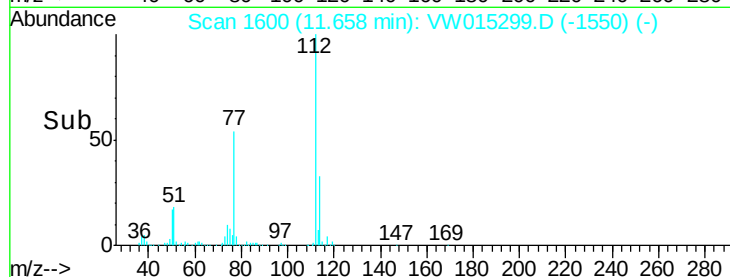
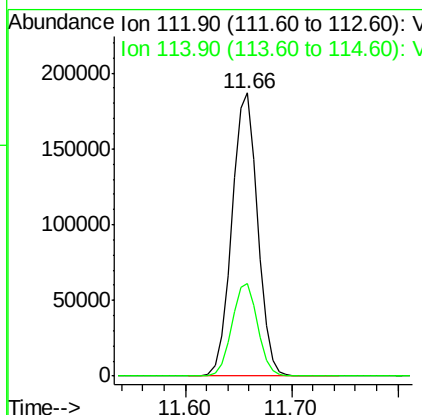
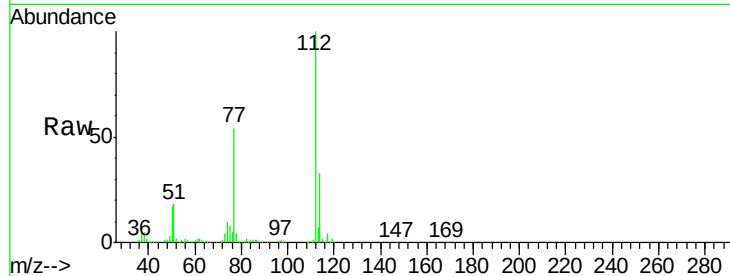
#65
Chlorobenzene
Concen: 51.008 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.01 min
Lab File: VW015299.D
Acq: 22 Apr 2020 11:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.7	25.8	38.6

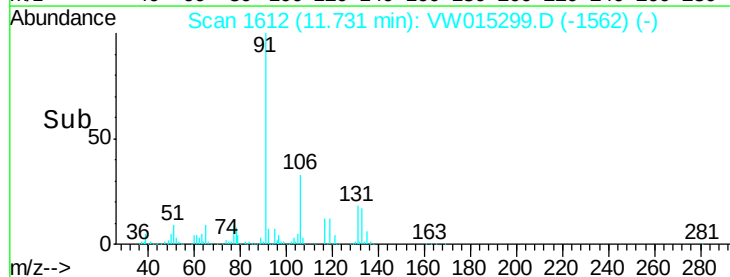
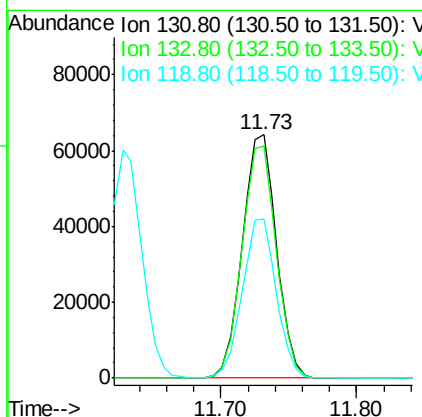
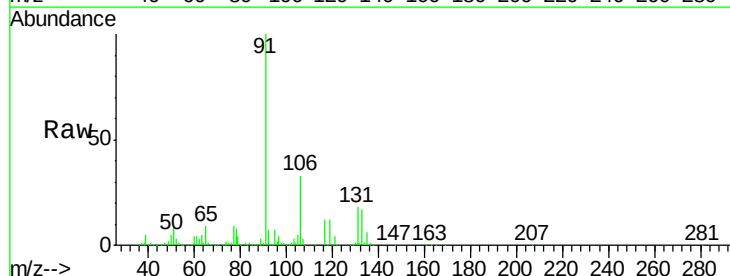
Manual Integrations
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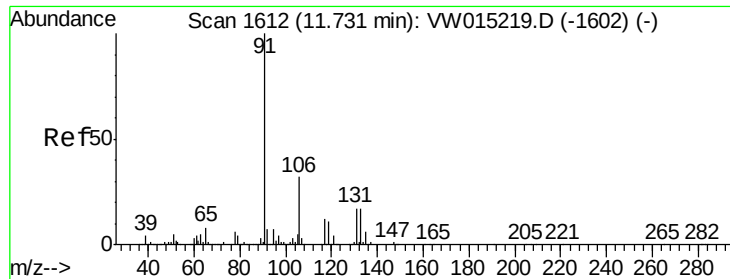
MMDadoda
4/23/2020 1:32:49 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 50.410 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.01 min
Lab File: VW015299.D
Acq: 22 Apr 2020 11:16

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.0	47.7	143.1
119	65.1	34.0	101.8





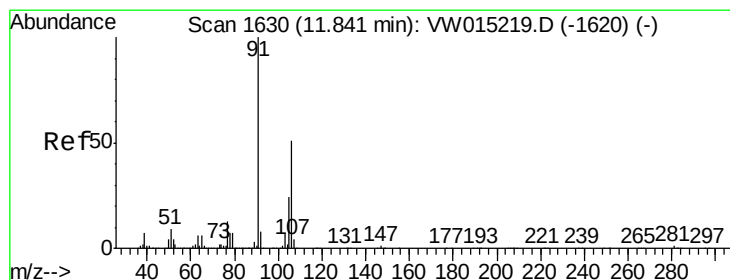
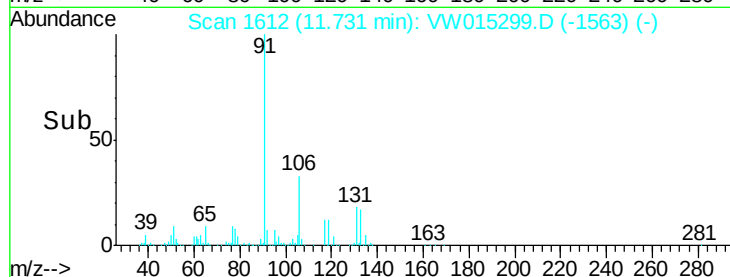
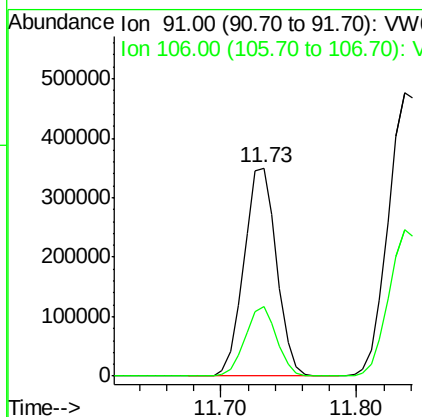
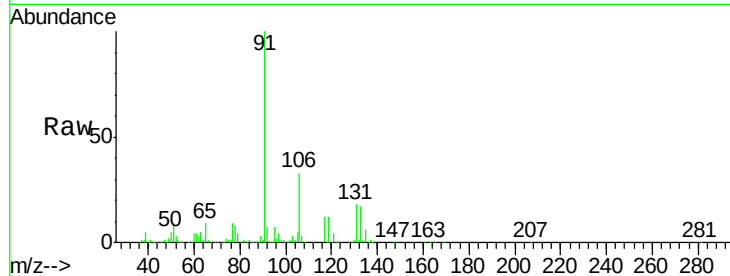
#67
Ethyl Benzene
Concen: 50.803 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW015299.D
Acq: 22 Apr 2020 11:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
106	33.4	25.7	38.5

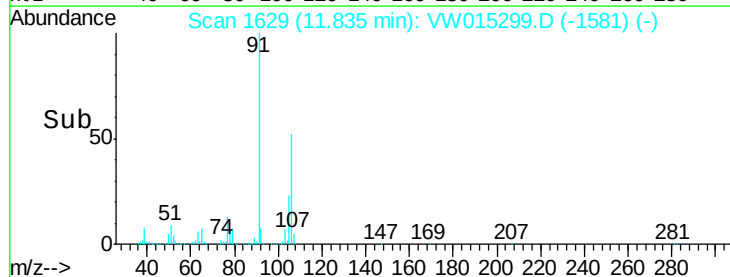
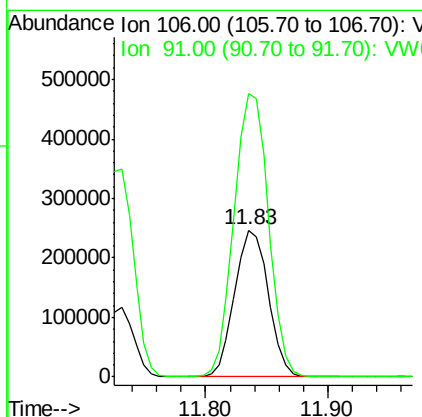
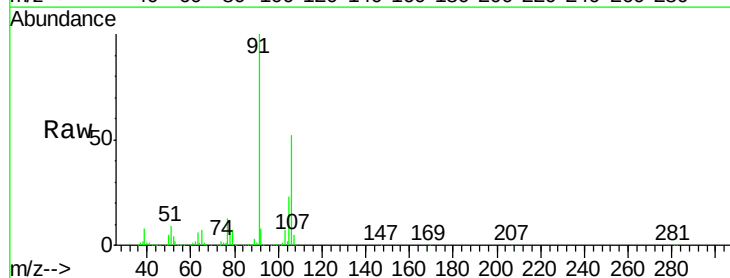
Manual Integrations
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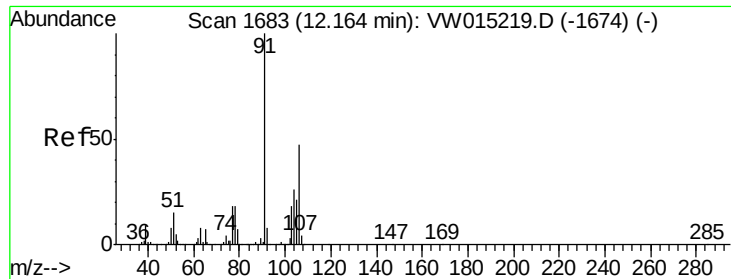
MMDadoda
4/23/2020 1:32:49 PM



#68
m/p-Xylenes
Concen: 103.862 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW015299.D
Acq: 22 Apr 2020 11:16

Tgt Ion	Ratio	Lower	Upper
106	100		
91	197.1	160.0	240.0





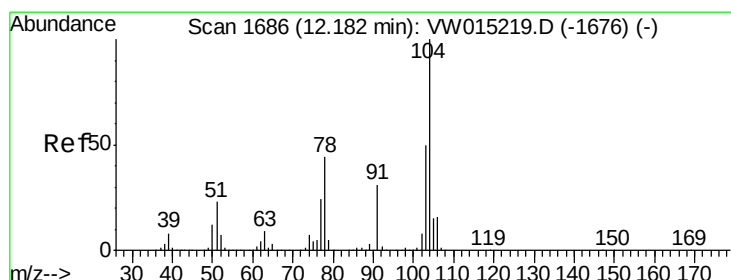
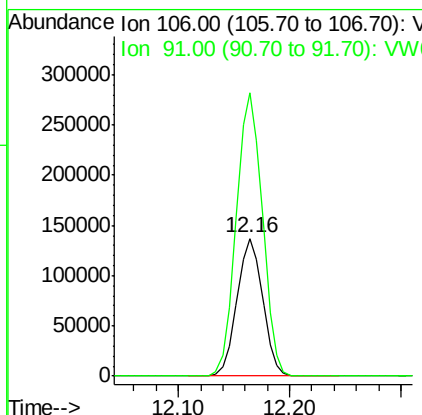
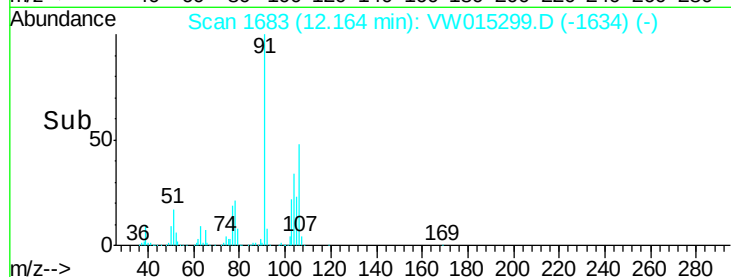
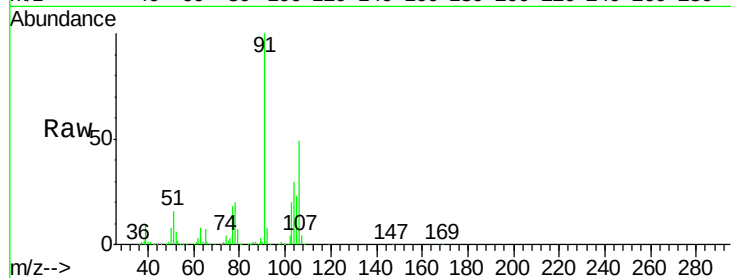
#69
o-Xylene
Concen: 51.802 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW015299.D
Acq: 22 Apr 2020 11:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 219225
Ion Ratio Lower Upper
106 100
91 208.5 105.7 317.1

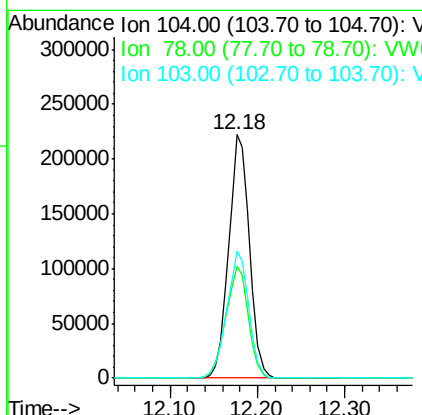
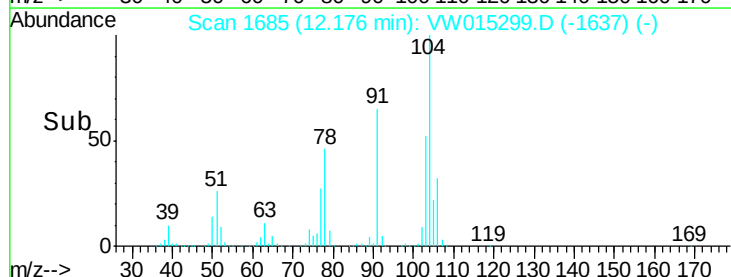
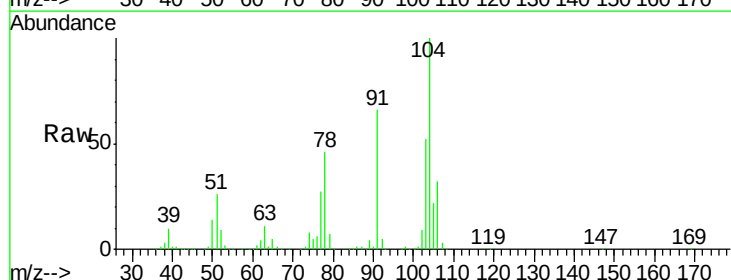
Manual Integrations
APPROVED

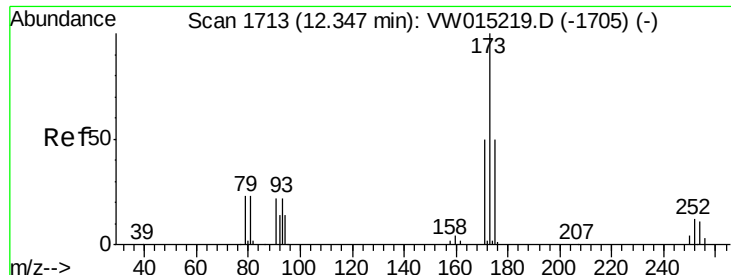
MMDadoda
4/23/2020 1:32:49 PM



#70
Styrene
Concen: 50.729 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VW015299.D
Acq: 22 Apr 2020 11:16

Tgt Ion:104 Resp: 365949
Ion Ratio Lower Upper
104 100
78 49.6 39.8 59.6
103 55.2 43.8 65.6





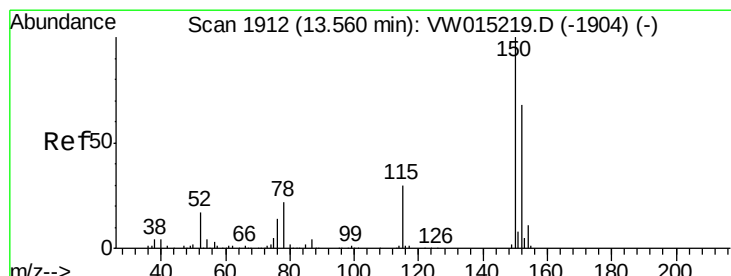
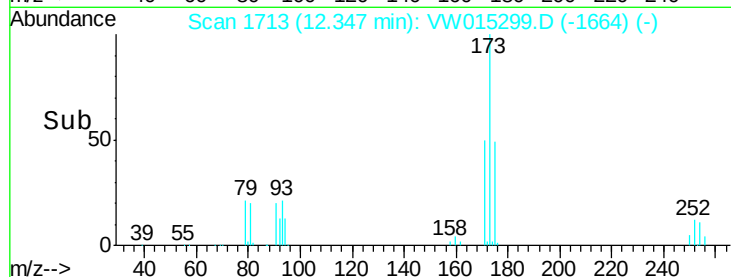
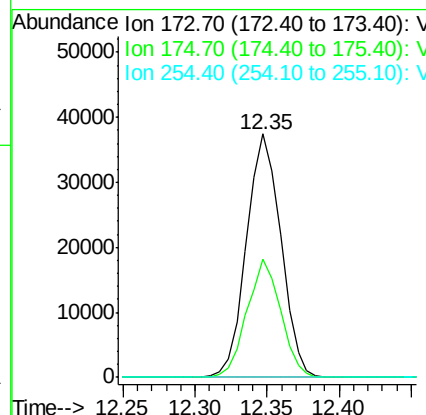
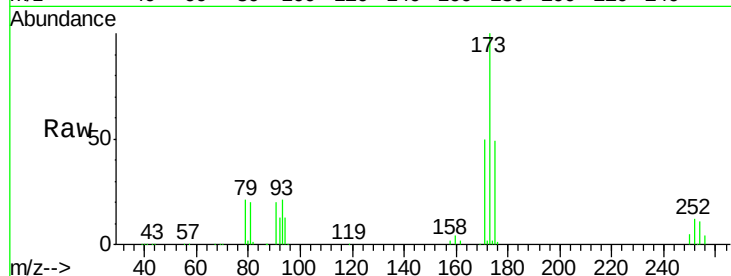
#71
Bromoform
Concen: 49.337 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW015299.D
Acq: 22 Apr 2020 11:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.4	25.1	75.4
254	0.0	0.1	0.1#

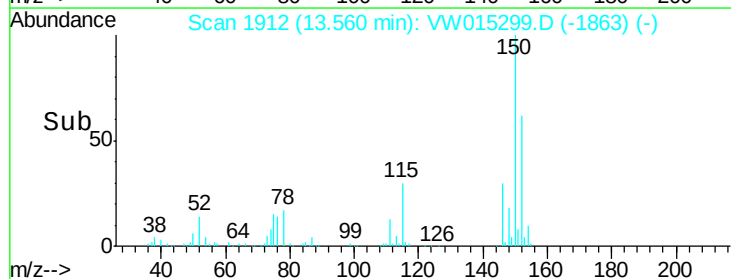
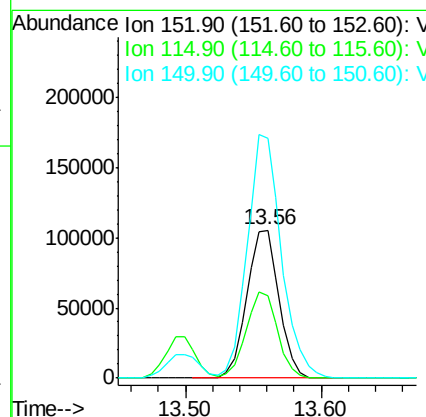
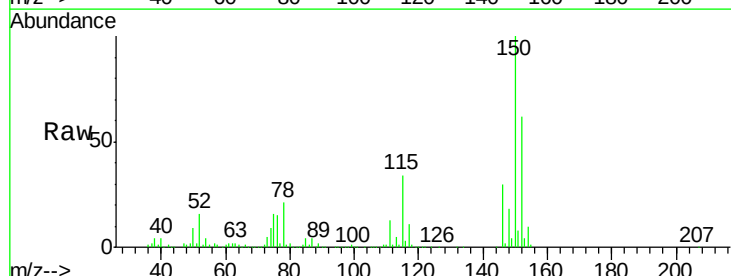
Manual Integrations
APPROVED

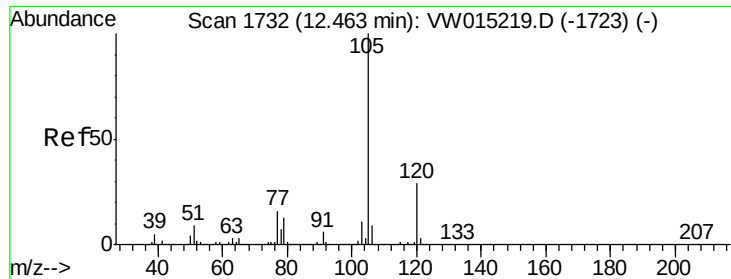
MMDadoda
4/23/2020 1:32:49 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW015299.D
Acq: 22 Apr 2020 11:16

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.0	31.3	93.9
150	175.9	0.0	343.4





#73

Isopropylbenzene

Concen: 51.472 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW015299.D

Acq: 22 Apr 2020 11:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 618220

Ion Ratio Lower Upper

105 100

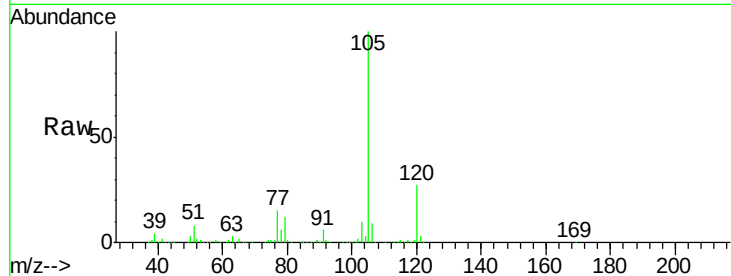
120 27.3 13.7 41.1

Manual Integrations

APPROVED

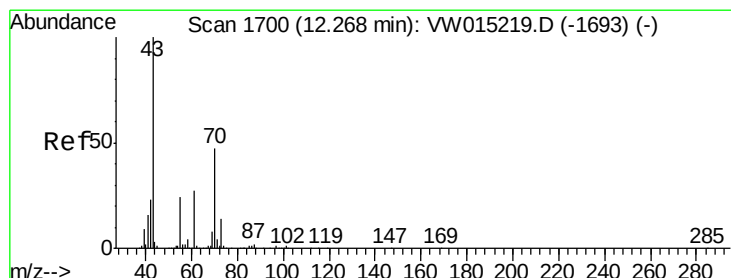
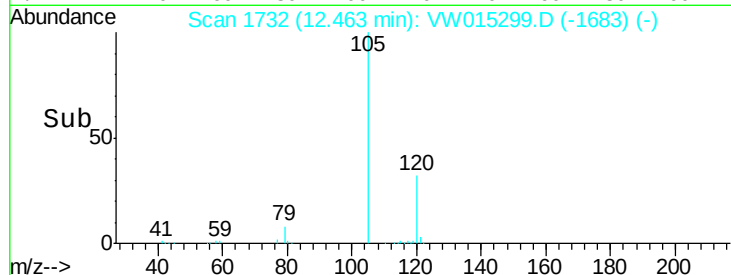
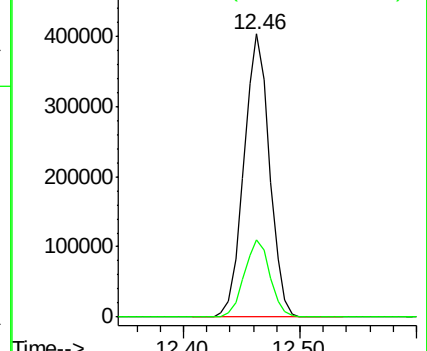
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 43.275 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VW015299.D

Acq: 22 Apr 2020 11:16

Tgt Ion: 43 Resp: 90426

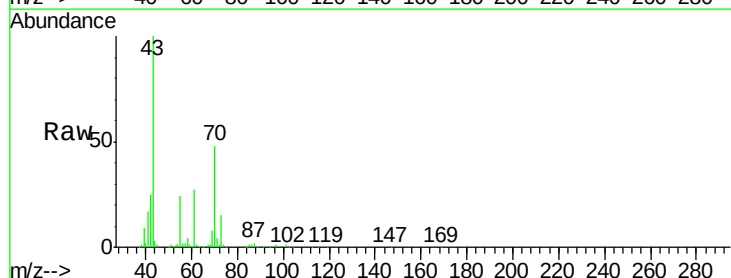
Ion Ratio Lower Upper

43 100

70 49.9 35.4 53.2

55 24.9 18.5 27.7

61 27.5 20.3 30.5

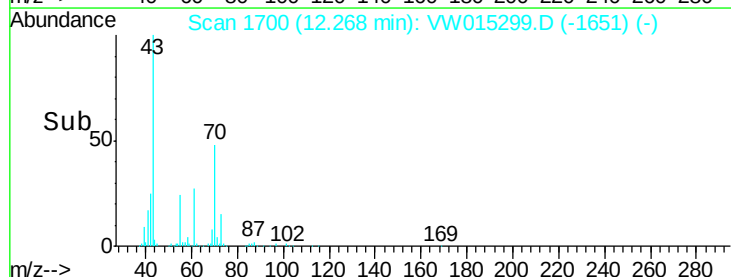
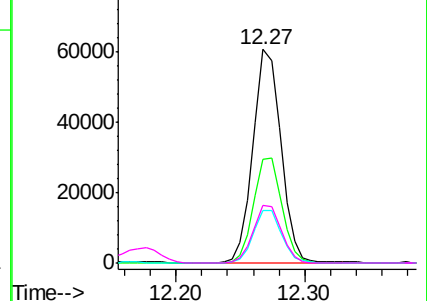


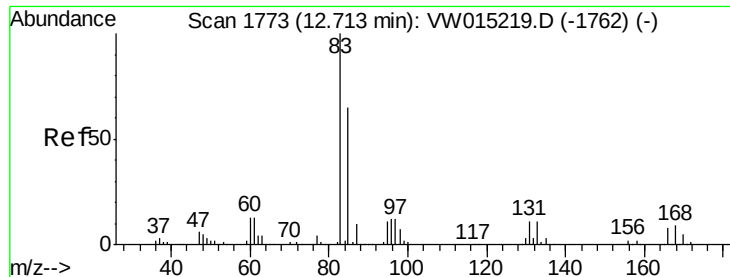
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 45.089 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW015299.D

Acq: 22 Apr 2020 11:16

Instrument :

MSVOA_W

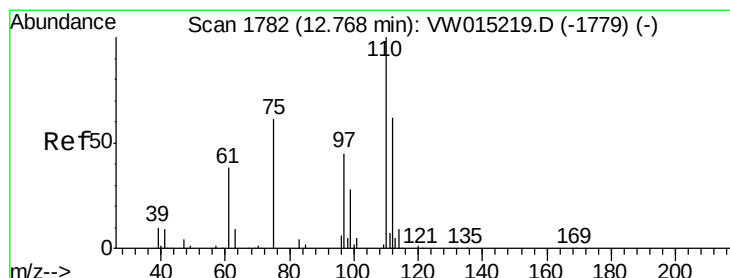
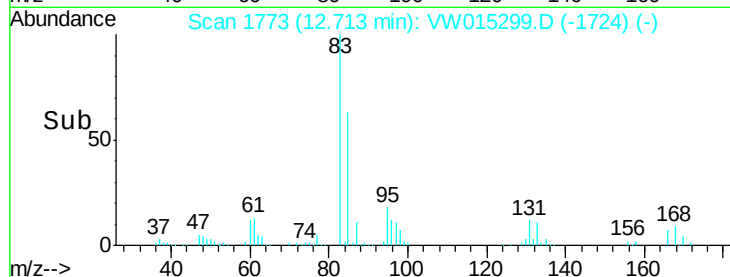
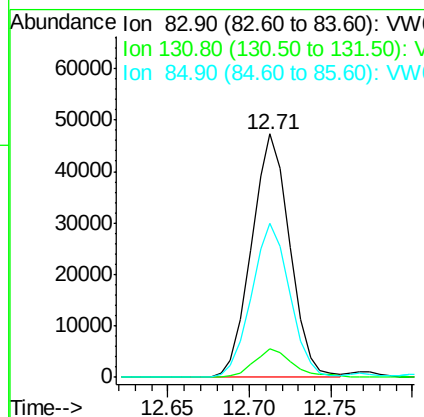
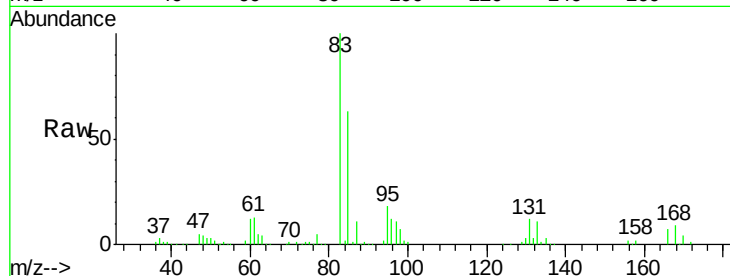
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	76891
Ion	Ratio	Lower	Upper
83	100		
131	12.0	5.1	15.2
85	63.1	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 37.151 ug/l m

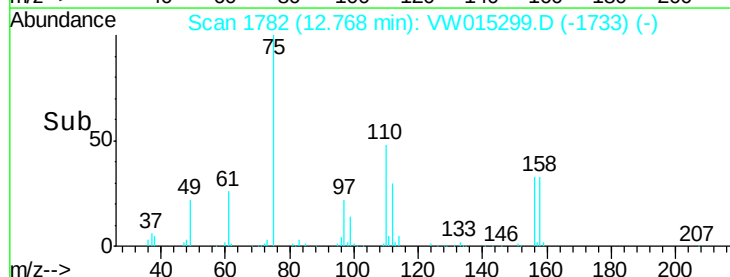
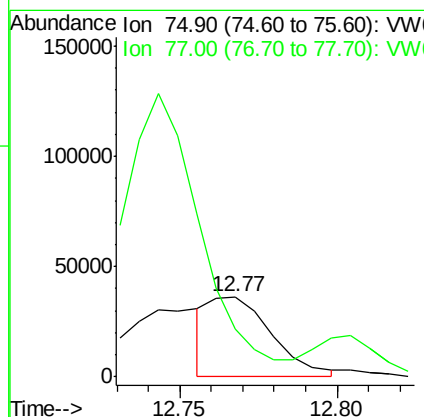
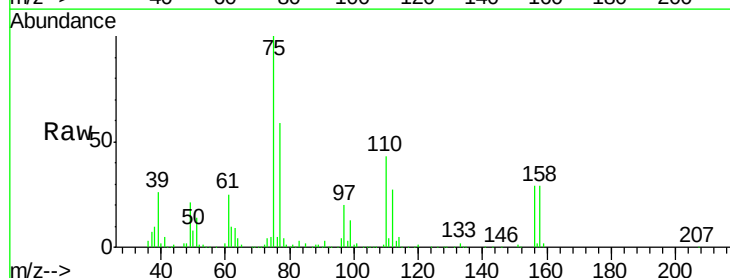
RT: 12.77 min Scan# 1782

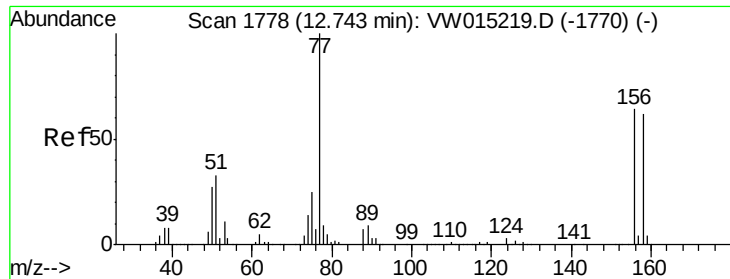
Delta R.T. 0.00 min

Lab File: VW015299.D

Acq: 22 Apr 2020 11:16

Tgt Ion:	75	Resp:	49787
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 50.685 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW015299.D

Acq: 22 Apr 2020 11:16

Instrument :

MSVOA_W

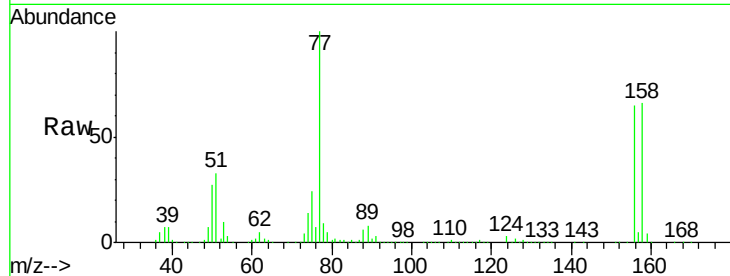
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	139862
Ion	Ratio	Lower	Upper
156	100		
77	159.9	100.5	301.5
158	100.0	47.9	143.8

Manual Integrations
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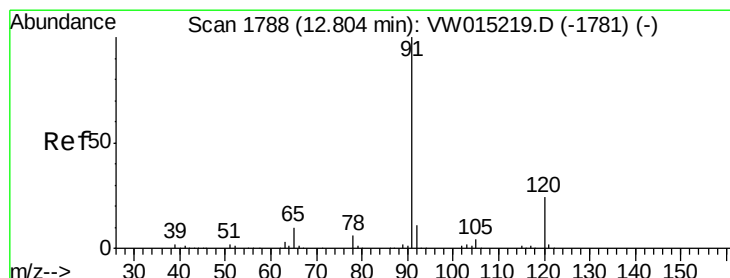
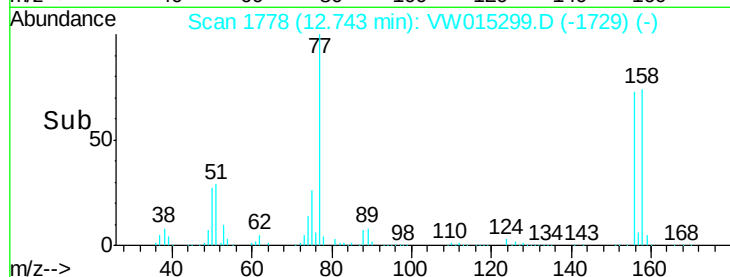
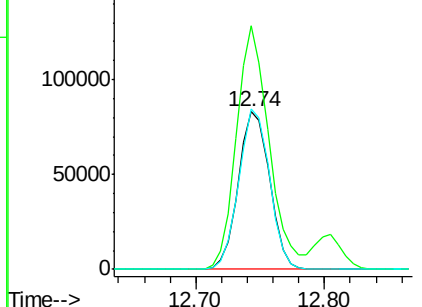
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.707 ug/l

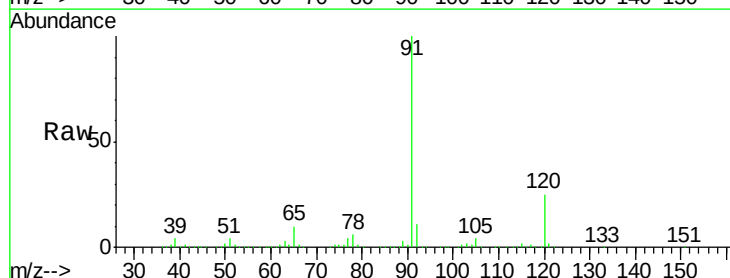
RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW015299.D

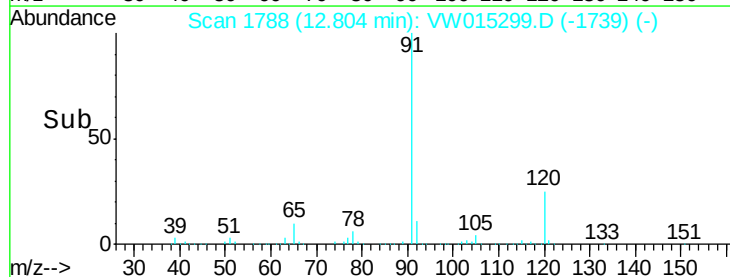
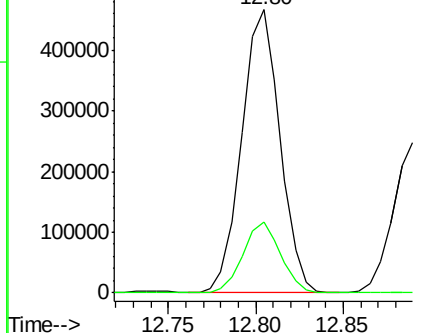
Acq: 22 Apr 2020 11:16

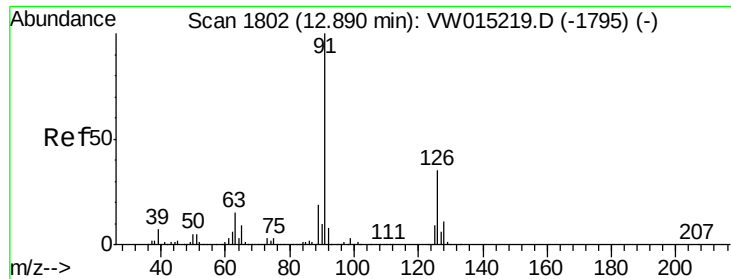
Tgt Ion:	91	Resp:	709103
Ion	Ratio	Lower	Upper
91	100		
120	24.6	11.4	34.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.699 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW015299.D

Acq: 22 Apr 2020 11:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 399559

Ion Ratio Lower Upper

91 100

126 36.1

16.8

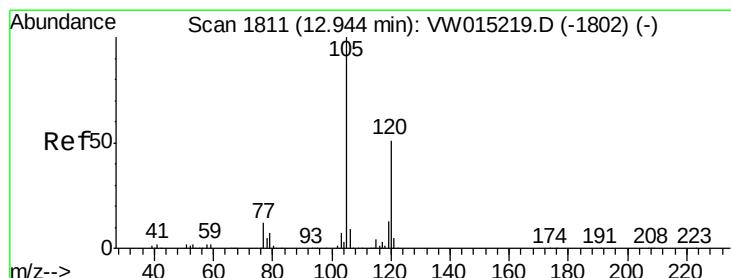
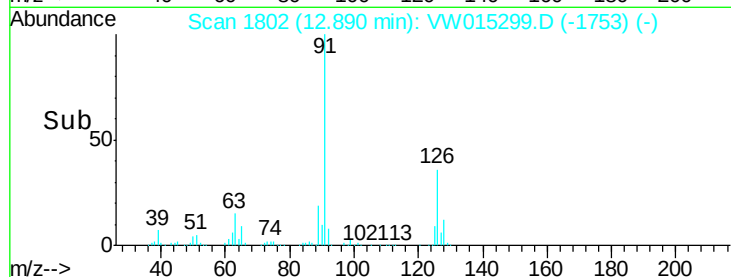
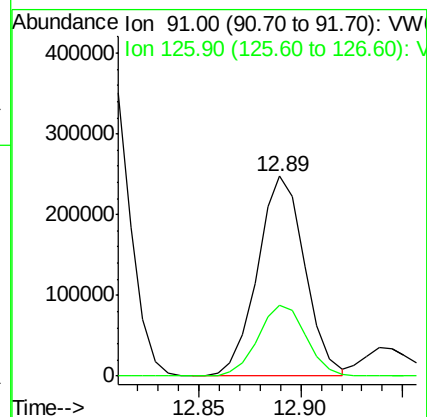
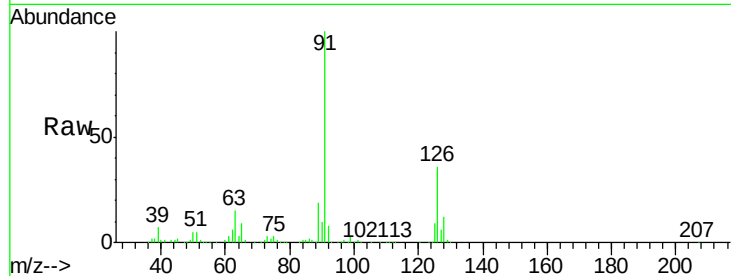
50.4

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#80

1,3,5-Trimethylbenzene

Concen: 51.186 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW015299.D

Acq: 22 Apr 2020 11:16

Tgt Ion: 105 Resp: 529579

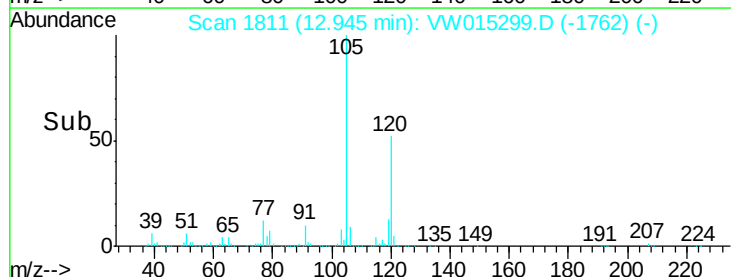
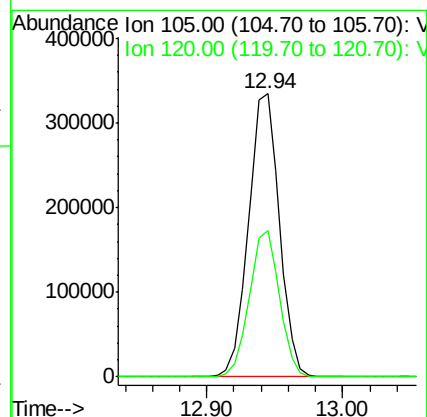
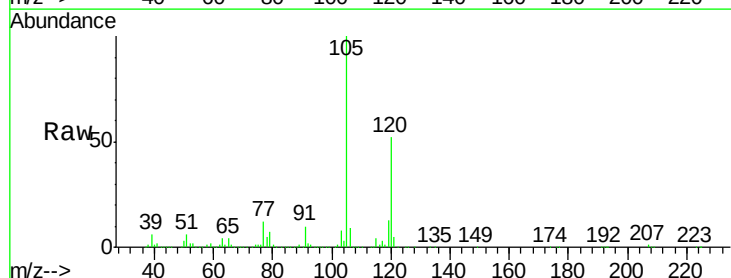
Ion Ratio Lower Upper

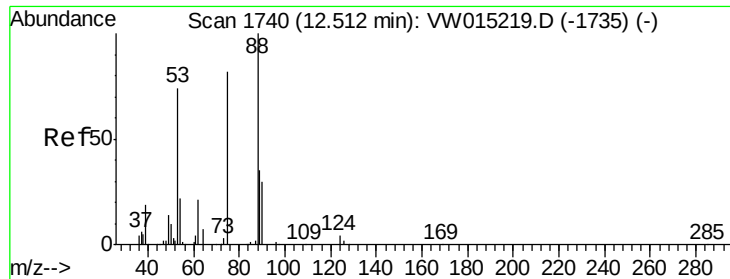
105 100

120 50.6

24.9

74.8





#81

trans-1,4-Dichloro-2-butene

Concen: 44.193 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW015299.D

Acq: 22 Apr 2020 11:16

Instrument :

MSVOA_W

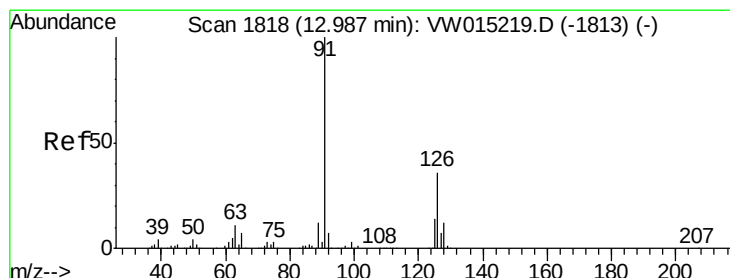
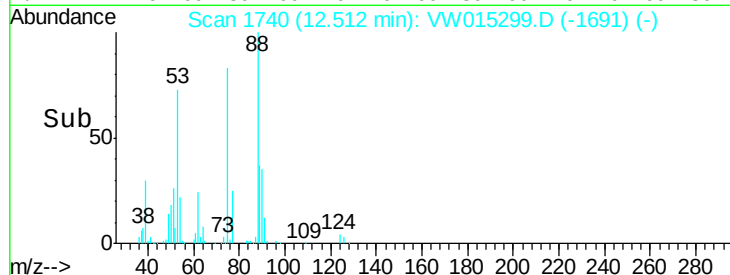
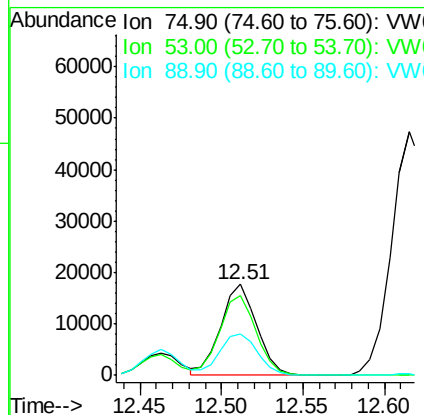
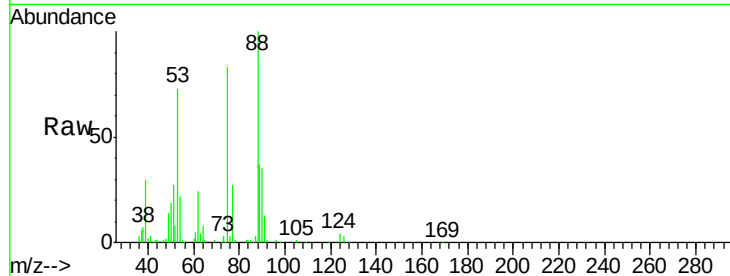
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	27092
Ion	Ratio	Lower	Upper
75	100		
53	89.8	69.4	104.2
89	47.5	34.8	52.2

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#82

4-Chlorotoluene

Concen: 50.918 ug/l

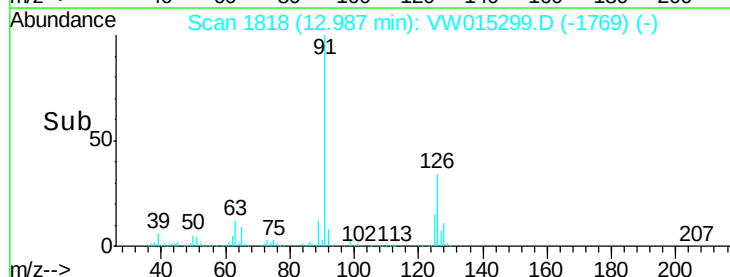
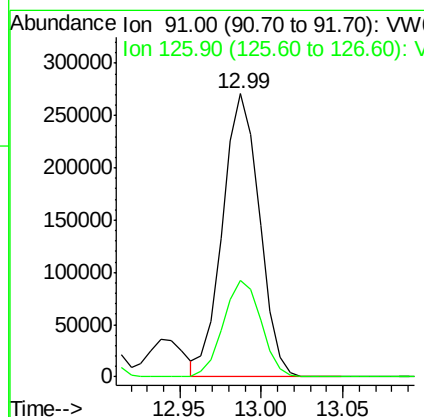
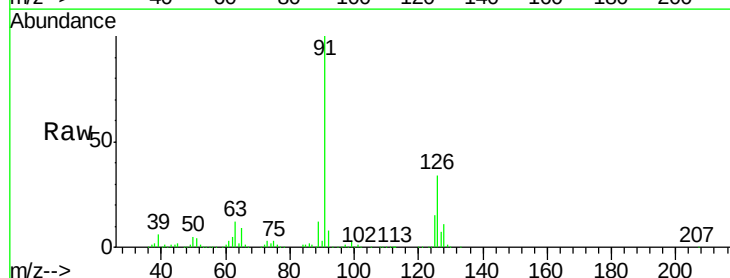
RT: 12.99 min Scan# 1818

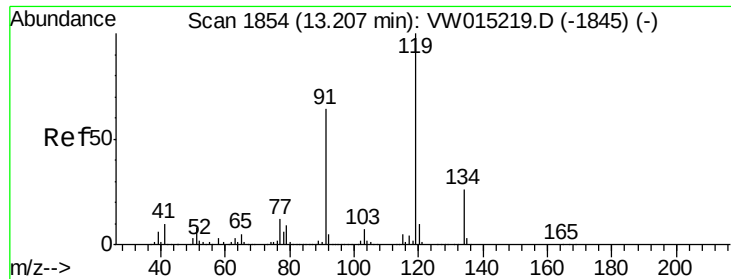
Delta R.T. 0.00 min

Lab File: VW015299.D

Acq: 22 Apr 2020 11:16

Tgt Ion:	91	Resp:	426060
Ion	Ratio	Lower	Upper
91	100		
126	35.0	16.8	50.3





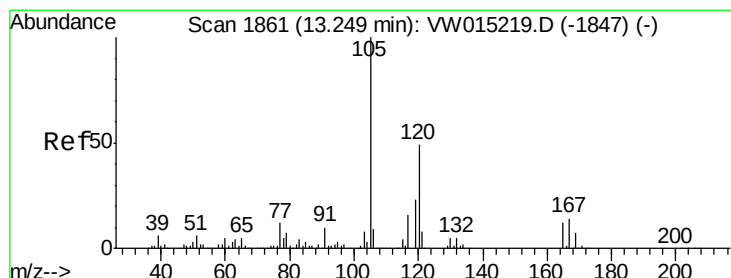
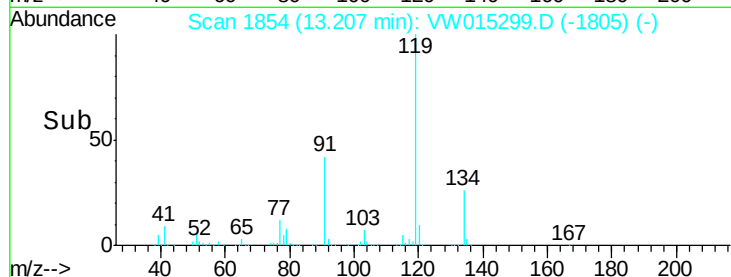
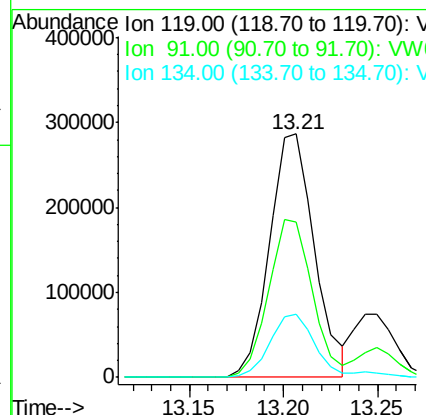
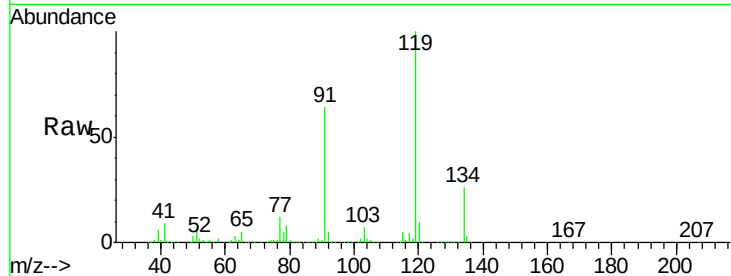
#83
 tert-Butylbenzene
 Concen: 52.415 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW015299.D
 Acq: 22 Apr 2020 11:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.2	32.8	98.3
134	27.0	13.3	39.9

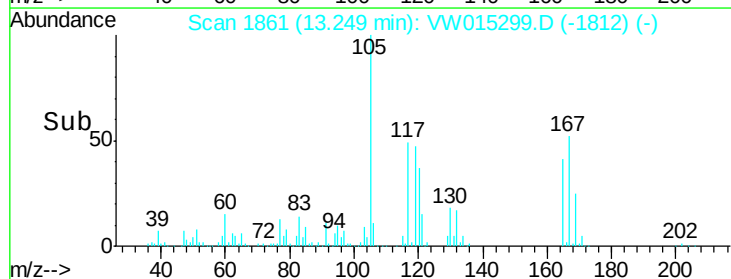
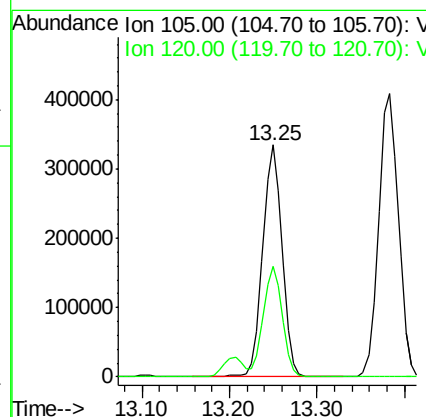
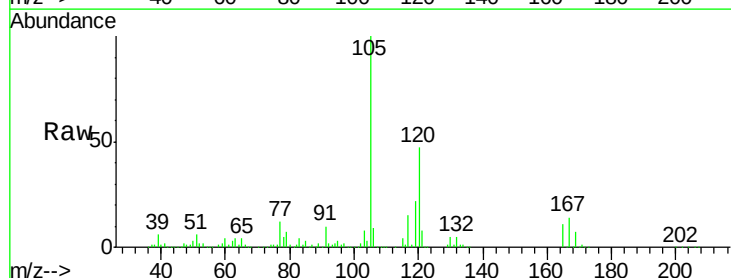
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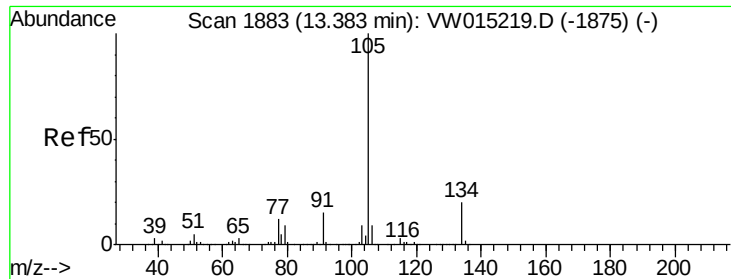
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#84
 1,2,4-Trimethylbenzene
 Concen: 50.506 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW015299.D
 Acq: 22 Apr 2020 11:16

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.1	23.0	69.0





#85

sec-Butylbenzene

Concen: 51.328 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW015299.D

Acq: 22 Apr 2020 11:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 641015

Ion Ratio Lower Upper

105 100

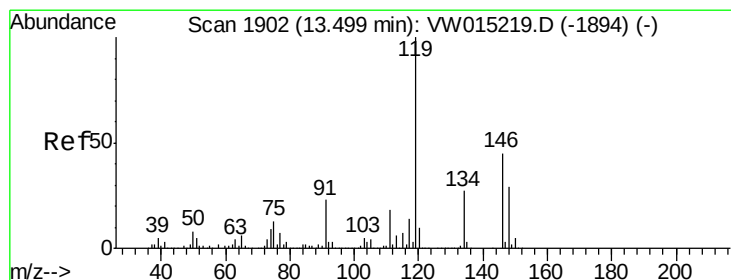
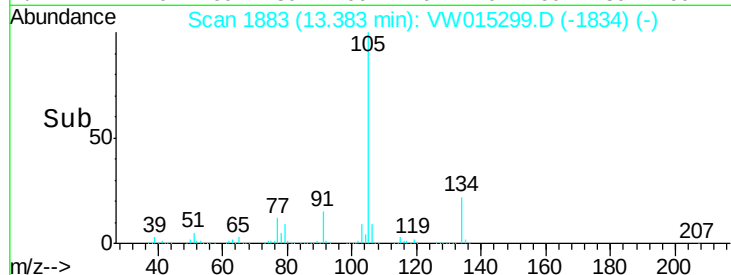
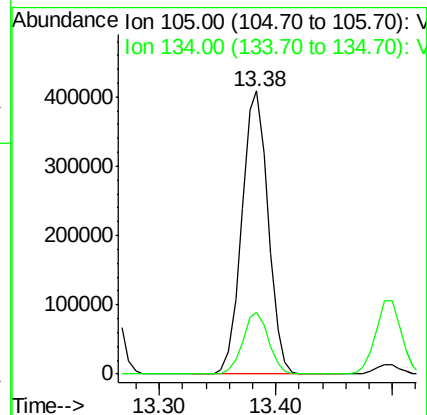
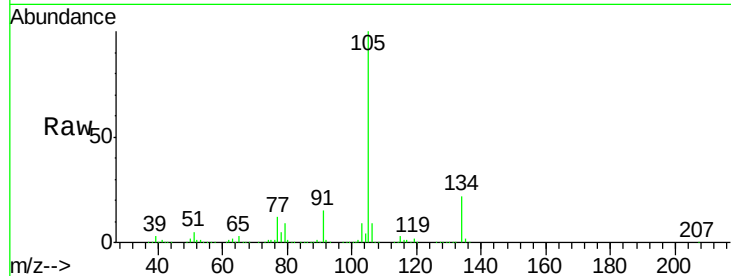
134 21.6 10.1 30.1

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#86

p-Isopropyltoluene

Concen: 51.882 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW015299.D

Acq: 22 Apr 2020 11:16

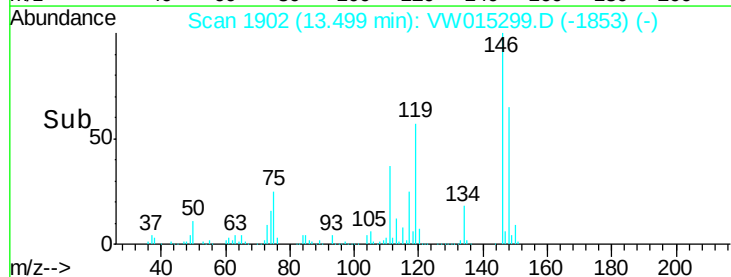
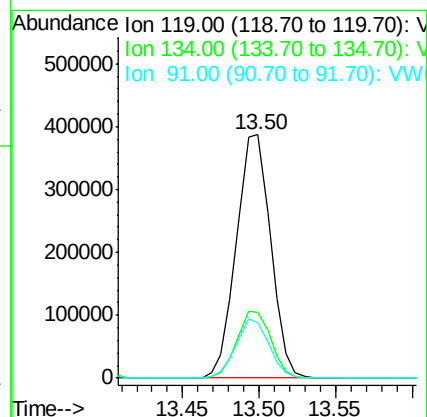
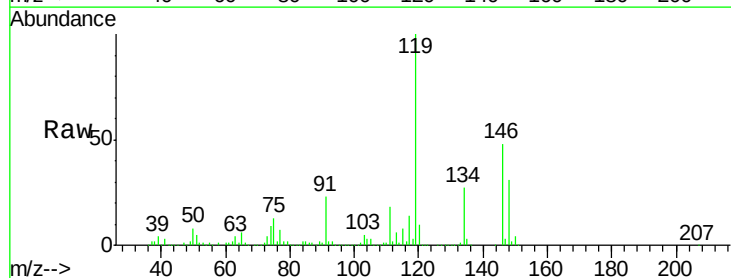
Tgt Ion:119 Resp: 602069

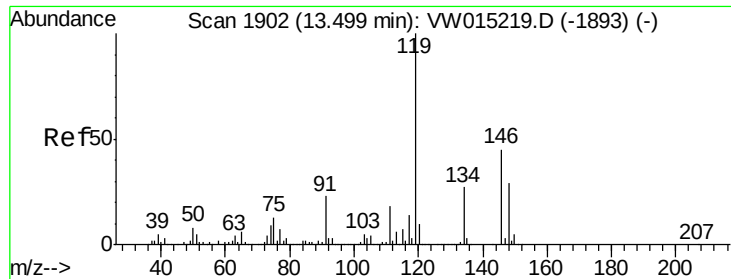
Ion Ratio Lower Upper

119 100

134 27.3 13.3 39.9

91 23.3 12.0 36.1





#87

1,3-Dichlorobenzene

Concen: 52.911 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW015299.D

Acq: 22 Apr 2020 11:16

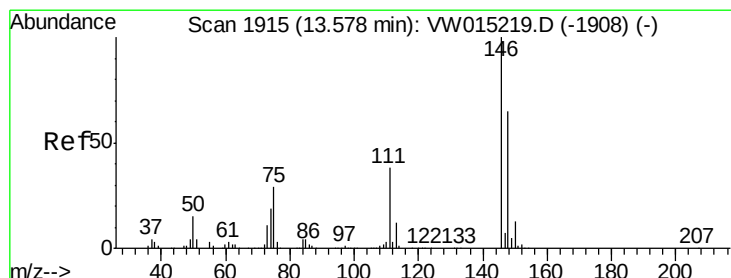
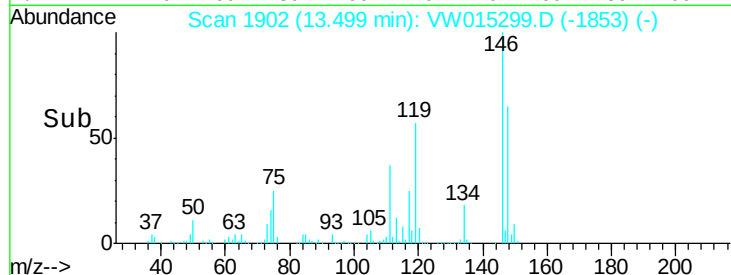
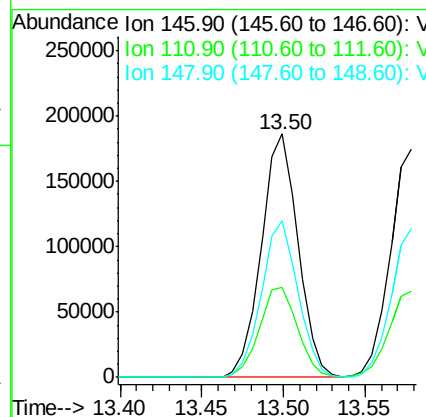
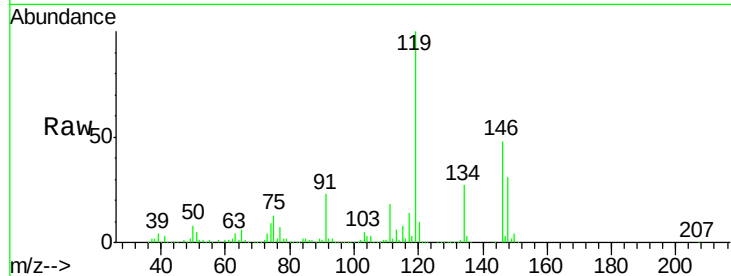
Instrument :
MSVOA_W

ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	290102		
111	38.3	21.1	63.4	
148	63.9	31.8	95.3	

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#88

1,4-Dichlorobenzene

Concen: 51.894 ug/l

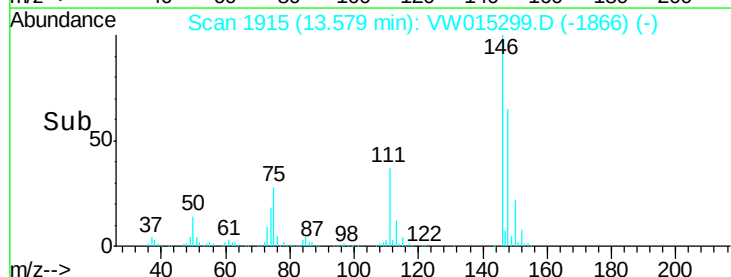
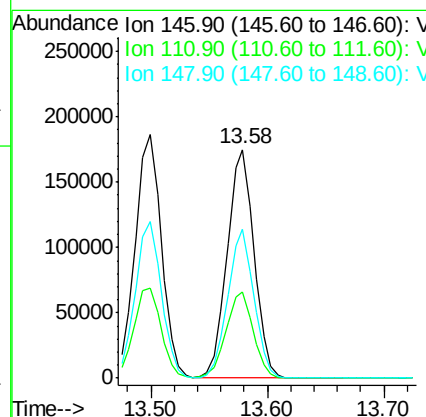
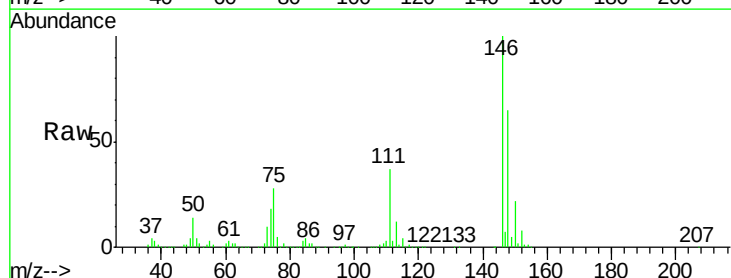
RT: 13.58 min Scan# 1915

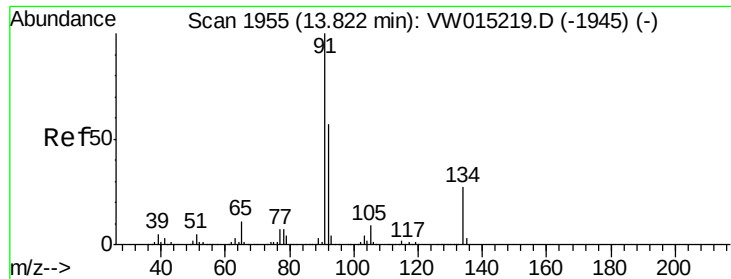
Delta R.T. 0.00 min

Lab File: VW015299.D

Acq: 22 Apr 2020 11:16

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	278906		
111	38.0	20.4	61.3	
148	63.4	31.5	94.5	





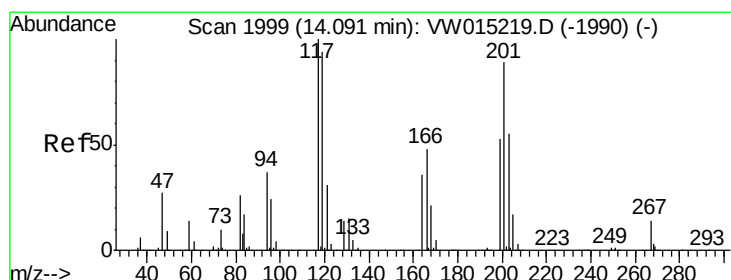
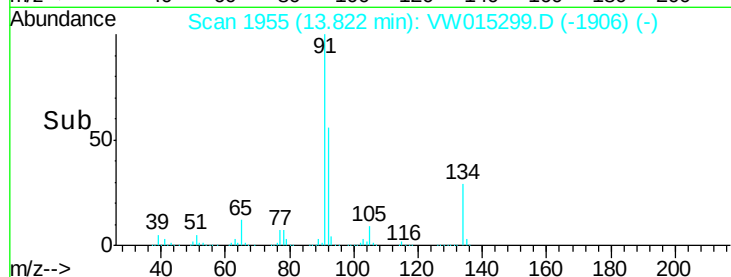
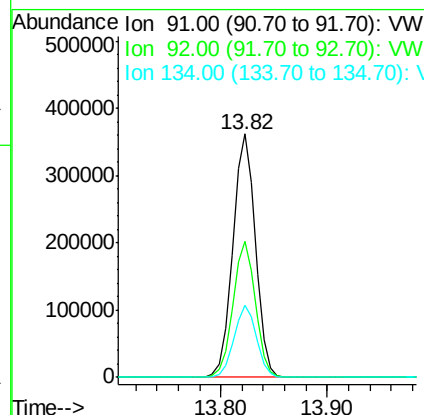
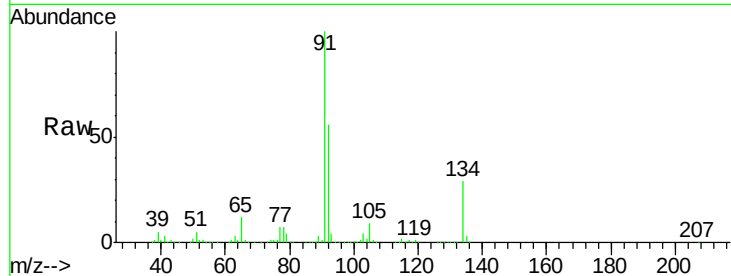
#89
n-Butylbenzene
Concen: 50.703 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW015299.D
Acq: 22 Apr 2020 11:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.4	27.6	82.7
134	29.3	12.8	38.3

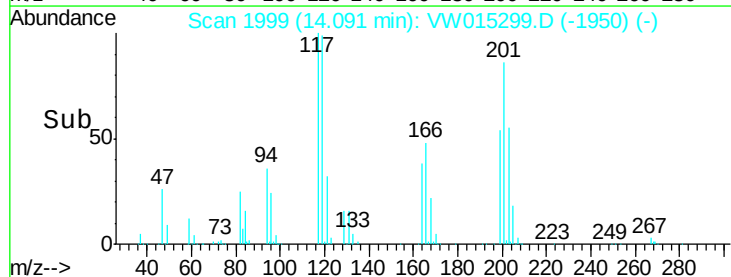
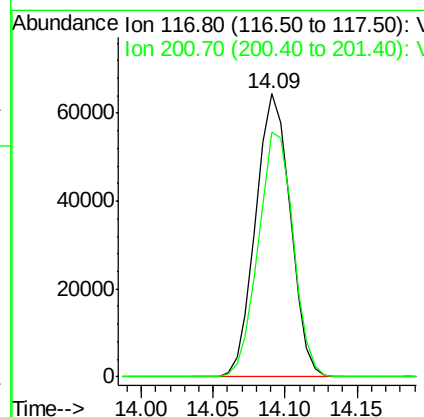
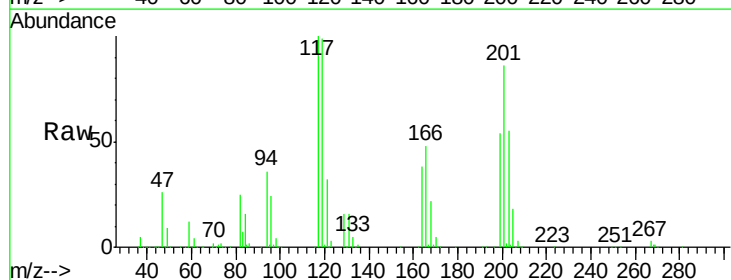
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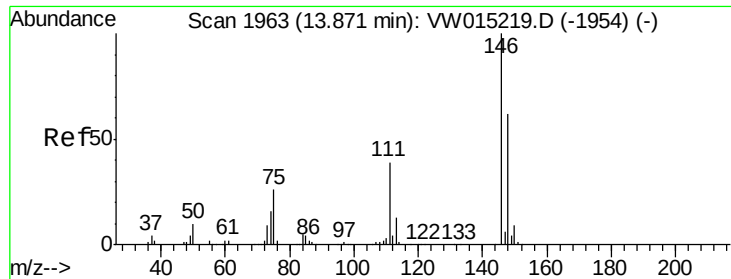
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#90
Hexachloroethane
Concen: 50.532 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. 0.00 min
Lab File: VW015299.D
Acq: 22 Apr 2020 11:16

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.5	33.6	100.6





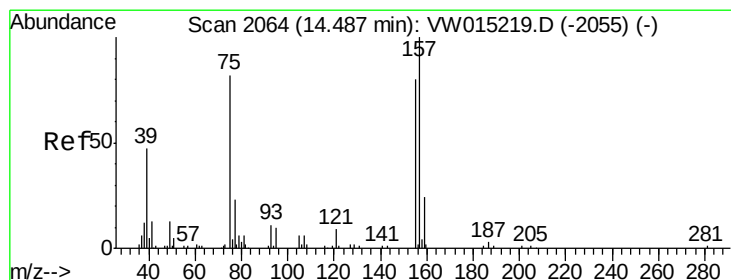
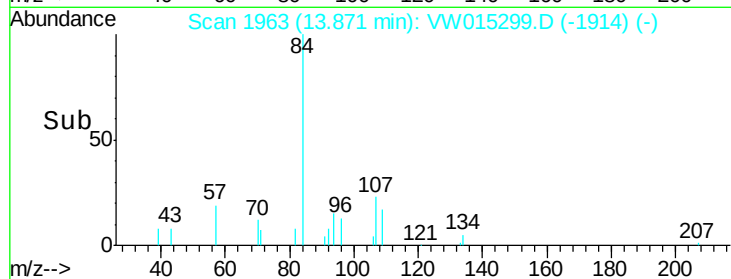
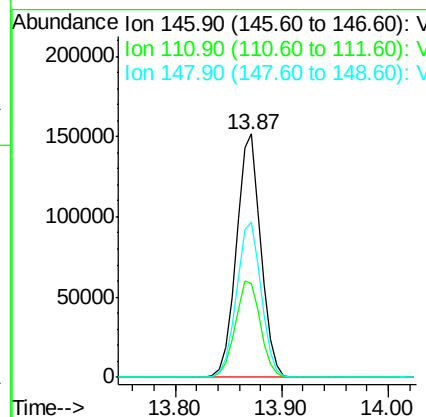
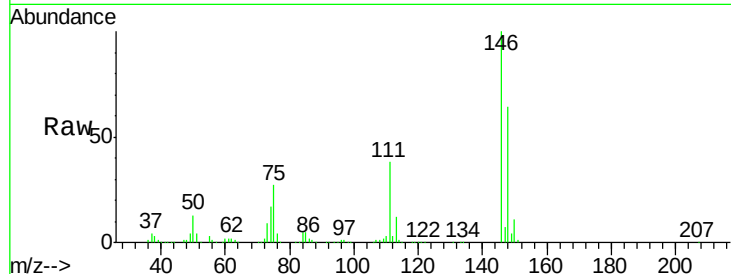
#91
 1,2-Dichlorobenzene
 Concen: 50.936 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW015299.D
 Acq: 22 Apr 2020 11:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	21.6	65.0
148	64.7	31.0	93.0

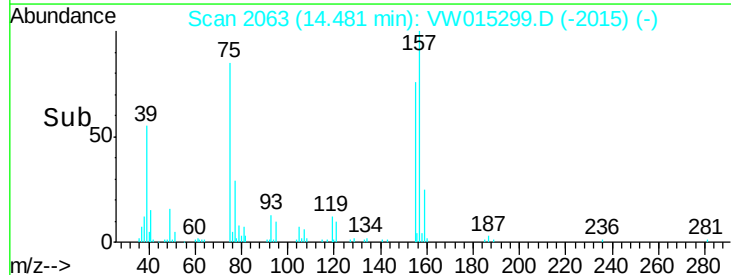
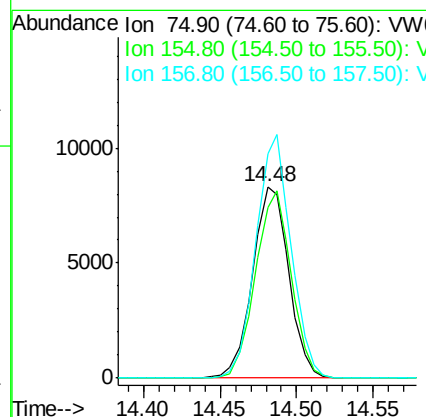
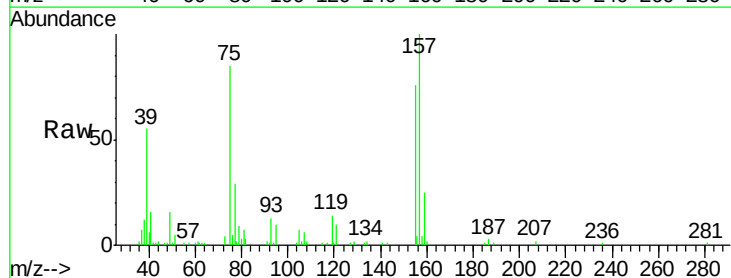
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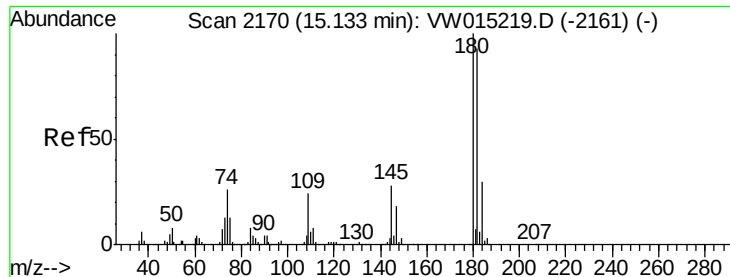
MMDadoda
 4/23/2020 1:32:49 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.597 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW015299.D
 Acq: 22 Apr 2020 11:16

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.8	41.6	124.9
157	122.7	53.8	161.2





#93

1,2,4-Trichlorobenzene

Concen: 51.419 ug/l

RT: 15.13 min Scan# 2170

Delta R.T. 0.00 min

Lab File: VW015299.D

Acq: 22 Apr 2020 11:16

Instrument :

MSVOA_W

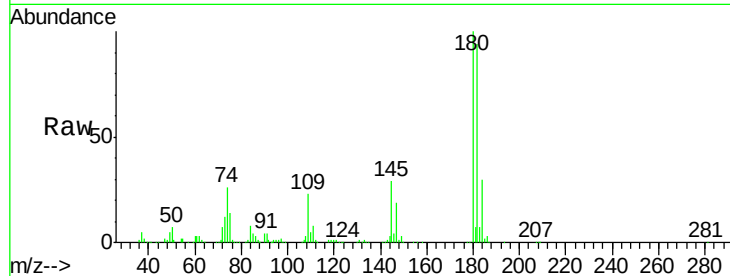
ClientSampleId :

VSTDCCC050

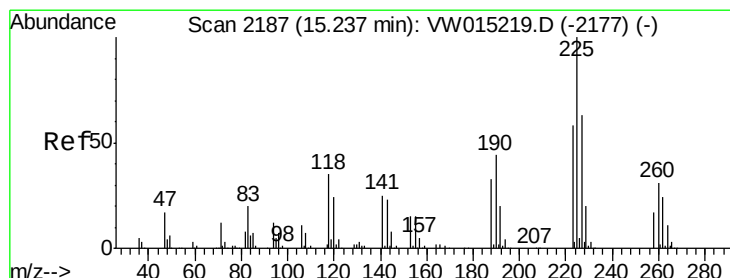
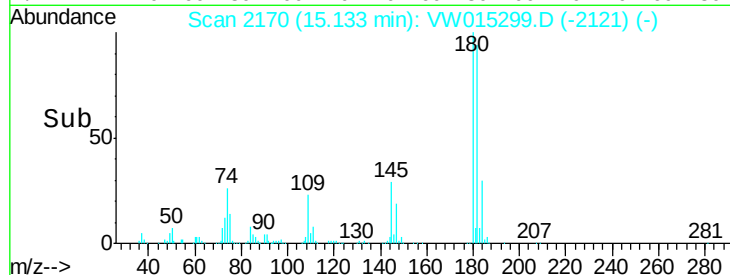
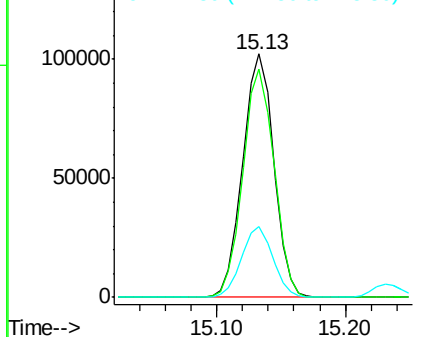
Tot Ion:	180	Resp:	170281
Ion Ratio	Lower	Upper	
180	100		
182	94.1	47.1	141.4
145	29.4	16.2	48.6

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Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 52.458 ug/l

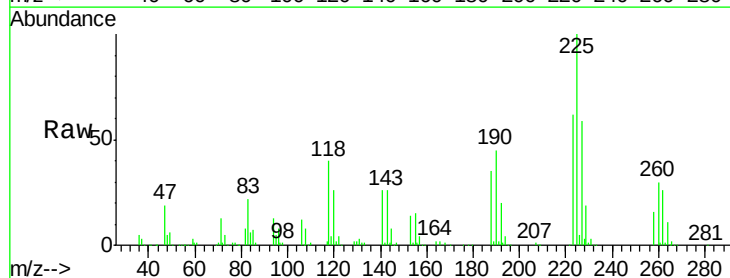
RT: 15.23 min Scan# 2186

Delta R.T. -0.01 min

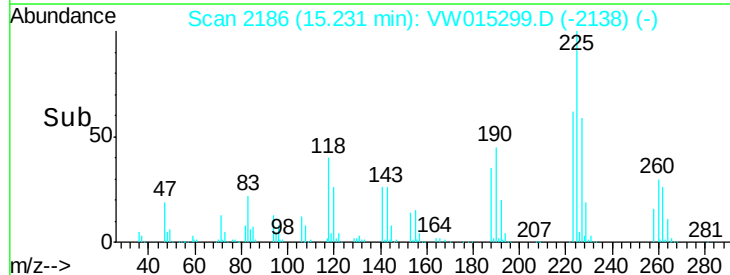
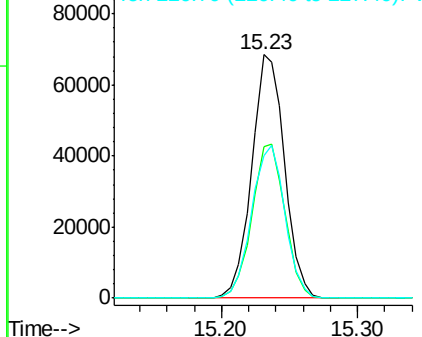
Lab File: VW015299.D

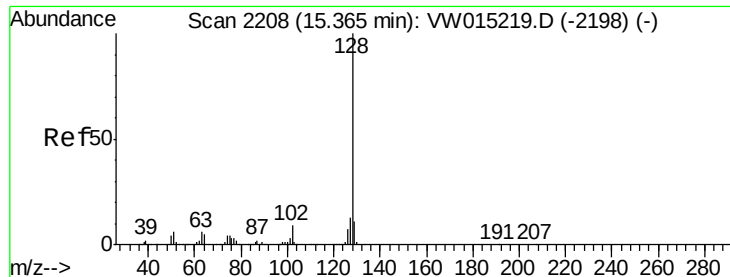
Acq: 22 Apr 2020 11:16

Tgt Ion:	225	Resp:	115821
Ion Ratio	Lower	Upper	
225	100		
223	63.6	31.0	93.0
227	63.8	30.8	92.3



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





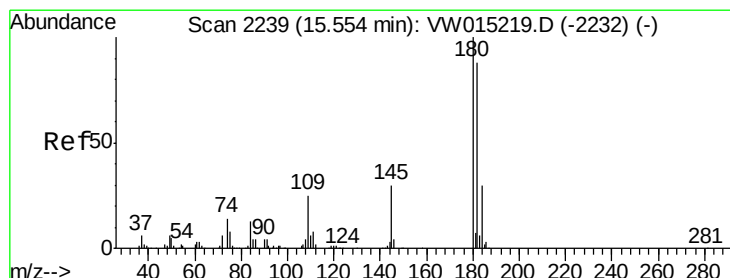
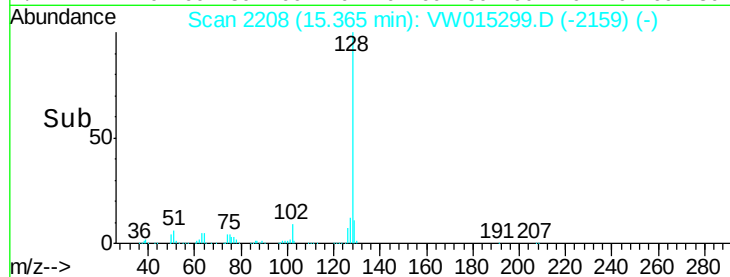
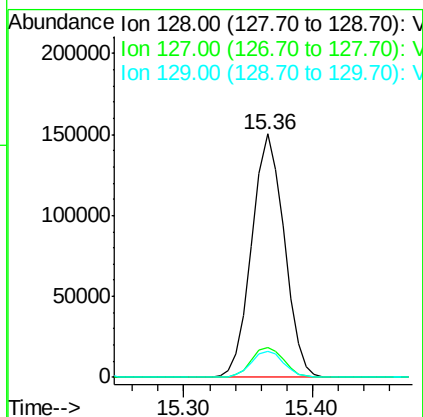
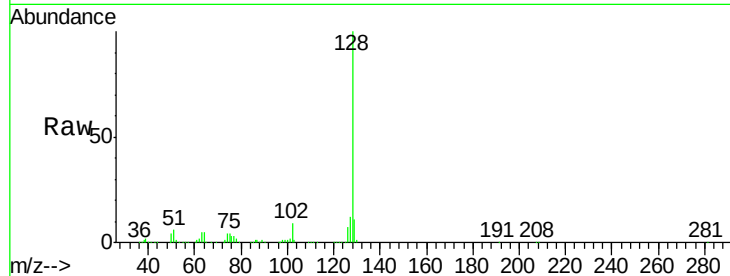
#95
Naphthalene
Concen: 49.089 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW015299.D
Acq: 22 Apr 2020 11:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.3	15.5
129	10.8	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
4/23/2020 1:32:49 PM



#96
1,2,3-Trichlorobenzene
Concen: 53.083 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VW015299.D
Acq: 22 Apr 2020 11:16

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	48.8	146.3
145	31.0	17.2	51.6

