

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW042120\
 Data File : VW015279.D
 Acq On : 21 Apr 2020 23:23
 Operator : SY/VA
 Sample : VW0421SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0421SBS02

Manual Integrations
 APPROVED

MMDadoda
 4/22/2020 11:41:52 AM

Quant Time: Apr 22 07:54:50 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	209070	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	304690	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	283880	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	155864	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	94548	55.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.60%	
35) Dibromofluoromethane	7.88	113	95236	56.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.86%	
50) Toluene-d8	10.32	98	373148	52.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.12%	
62) 4-Bromofluorobenzene	12.62	95	141657	52.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	32567	19.726	ug/l	100
3) Chloromethane	2.21	50	37164	20.671	ug/l	99
4) Vinyl Chloride	2.36	62	43178	20.337	ug/l	98
5) Bromomethane	2.76	94	36745	24.342	ug/l	92
6) Chloroethane	2.92	64	26410	20.054	ug/l	98
7) Trichlorofluoromethane	3.26	101	60496	20.137	ug/l	100
8) Diethyl Ether	3.69	74	18520	21.962	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	4.07	101	37350	20.160	ug/l	91
10) Methyl Iodide	4.28	142	36937	18.982	ug/l	99
11) Tert butyl alcohol	5.19	59	12811	91.924	ug/l	97
12) 1,1-Dichloroethene	4.04	96	36397	20.410	ug/l	90
13) Acrolein	3.90	56	10075	138.121	ug/l	99
14) Allyl chloride	4.67	41	46110	19.491	ug/l #	84
15) Acrylonitrile	5.38	53	32060	99.903	ug/l	98
16) Acetone	4.13	43	23278	77.954	ug/l	95
17) Carbon Disulfide	4.39	76	105648	19.936	ug/l	99
18) Methyl Acetate	4.68	43	15639	19.785	ug/l	93
19) Methyl tert-butyl Ether	5.43	73	89156	21.779	ug/l	93
20) Methylene Chloride	4.92	84	40617	20.754	ug/l	93
21) trans-1,2-Dichloroethene	5.43	96	42331	20.931	ug/l	92
22) Diisopropyl ether	6.32	45	95363	21.013	ug/l	94
23) Vinyl Acetate	6.26	43	278561	104.596	ug/l #	94
24) 1,1-Dichloroethane	6.22	63	66235	21.058	ug/l	98
25) 2-Butanone	7.18	43	37682	95.113	ug/l	94
26) 2,2-Dichloropropane	7.17	77	62312	18.831	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	47102	21.573	ug/l	97
28) Bromochloromethane	7.51	49	24527	21.448	ug/l #	72
29) Tetrahydrofuran	7.54	42	24834	100.613	ug/l #	87
30) Chloroform	7.68	83	72921	21.481	ug/l	100
31) Cyclohexane	7.95	56	60363	19.092	ug/l #	86
32) 1,1,1-Trichloroethane	7.87	97	68530	20.917	ug/l	98
36) 1,1-Dichloropropene	8.09	75	56376	20.500	ug/l	98
37) Ethyl Acetate	7.26	43	18568	20.805	ug/l	97
38) Carbon Tetrachloride	8.07	117	59991	19.962	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	69360	18.950	ug/l	95
40) Benzene	8.32	78	155198	21.127	ug/l	98
41) Methacrylonitrile	7.48	41	9850	18.394	ug/l #	82
42) 1,2-Dichloroethane	8.40	62	45183	20.893	ug/l	99
43) Isopropyl Acetate	8.43	43	37800	20.194	ug/l	94
44) Trichloroethene	9.09	130	49757	22.144	ug/l	94
45) 1,2-Dichloropropane	9.37	63	36661	21.460	ug/l	97
46) Dibromomethane	9.46	93	21359	21.614	ug/l #	87
47) Bromodichloromethane	9.65	83	56540	21.403	ug/l	99
48) Methyl methacrylate	9.44	41	16302	18.423	ug/l #	80
49) 1,4-Dioxane	9.45	88	4802	364.512	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	88371	100.570	ug/l	97
52) Toluene	10.39	92	105964	20.611	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	52905	20.311	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	62375	20.602	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	29580	21.377	ug/l	97
56) Ethyl methacrylate	10.65	69	35519	19.925	ug/l	92
57) 1,3-Dichloropropane	10.93	76	48851	21.312	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	86692	104.898	ug/l	89
59) 2-Hexanone	10.97	43	58302	92.948	ug/l	96
60) Dibromochloromethane	11.13	129	39570	21.658	ug/l	99
61) 1,2-Dibromoethane	11.24	107	28891	21.397	ug/l	99
64) Tetrachloroethene	10.86	164	42902	21.175	ug/l	93
65) Chlorobenzene	11.66	112	116178	20.856	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	44737	22.345	ug/l	96
67) Ethyl Benzene	11.73	91	209940	20.209	ug/l	97
68) m/p-Xylenes	11.84	106	164406	40.375	ug/l	99
69) o-Xylene	12.16	106	79327	20.871	ug/l	97
70) Styrene	12.18	104	133484	20.604	ug/l	99
71) Bromoform	12.35	173	24268	21.512	ug/l #	96
73) Isopropylbenzene	12.46	105	216051	19.992	ug/l	100
74) N-amyl acetate	12.27	43	36708	19.525	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.71	83	30832	20.094	ug/l	97
76) 1,2,3-Trichloropropane	12.76	75	20003m	16.589	ug/l	
77) Bromobenzene	12.74	156	52504	21.147	ug/l	82
78) n-propylbenzene	12.80	91	250350	19.897	ug/l	97
79) 2-Chlorotoluene	12.89	91	143148	20.187	ug/l	96
80) 1,3,5-Trimethylbenzene	12.94	105	190032	20.414	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	10152	18.405	ug/l	95
82) 4-Chlorotoluene	12.99	91	152660	20.277	ug/l	98
83) tert-Butylbenzene	13.20	119	164136	20.173	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	188145	20.491	ug/l	100
85) sec-Butylbenzene	13.38	105	223291	19.872	ug/l	98
86) p-Isopropyltoluene	13.50	119	212521	20.354	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	101908	20.658	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	101143	20.915	ug/l	97
89) n-Butylbenzene	13.82	91	186102	19.500	ug/l	98
90) Hexachloroethane	14.09	117	38714	20.218	ug/l	75
91) 1,2-Dichlorobenzene	13.87	146	90967	21.220	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.48	75	5341	19.235	ug/l	88

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ClientSampleId :
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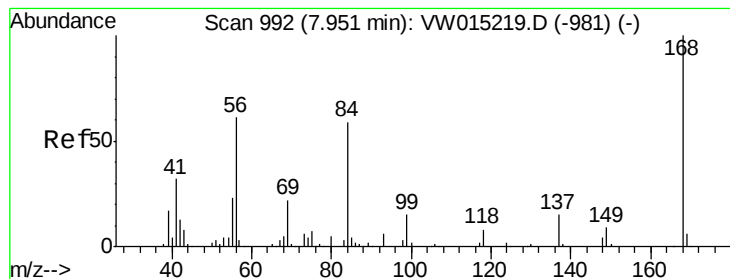
Manual Integrations
APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	60517	20.310	ug/l	97
94) Hexachlorobutadiene	15.24	225	41790	21.036	ug/l	98
95) Naphthalene	15.36	128	95317	19.886	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	51813	21.372	ug/l	95

(#) = 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: VW015279.D

Acq: 21 Apr 2020 23:23

Instrument :

MSVOA_W

ClientSampleId :

VW0421SBSD02

Tot Ion:168 Resp: 209070

Ion Ratio Lower Upper

168 100

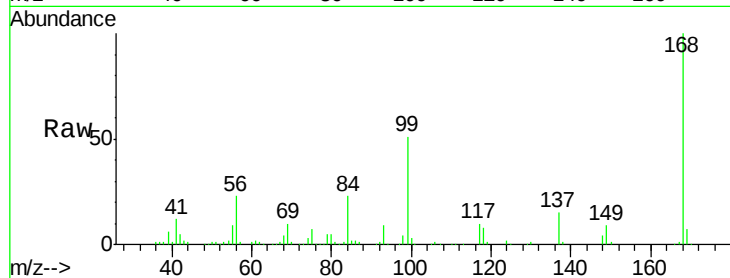
99 50.9 48.5 72.7

Manual Integrations

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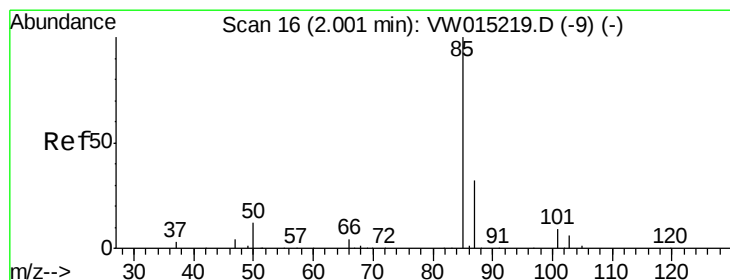
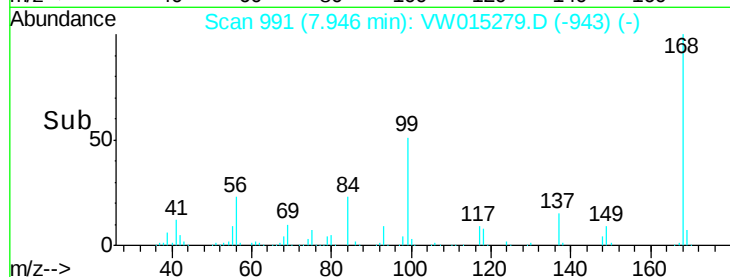
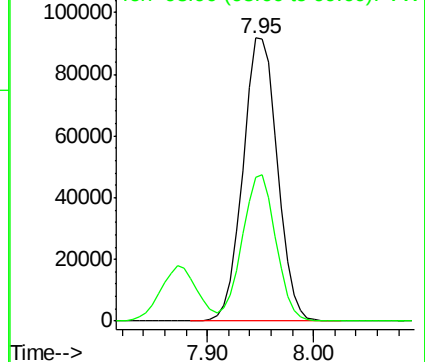
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 19.726 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.00 min

Lab File: VW015279.D

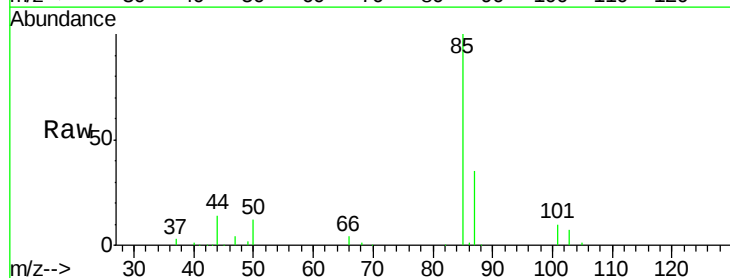
Acq: 21 Apr 2020 23:23

Tgt Ion: 85 Resp: 32567

Ion Ratio Lower Upper

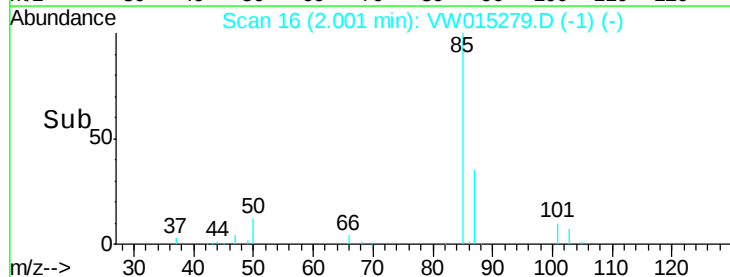
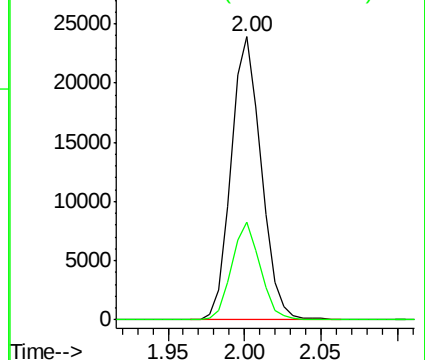
85 100

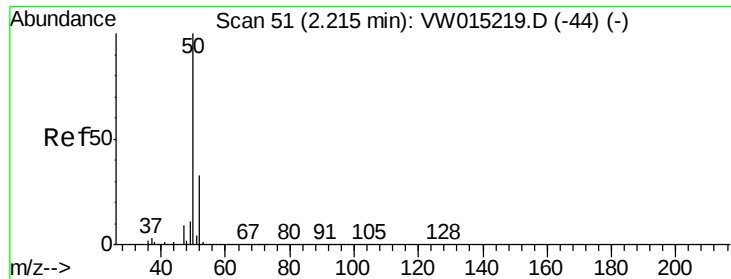
87 34.5 17.2 51.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 20.671 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW015279.D

Acq: 21 Apr 2020 23:23

Instrument :

MSVOA_W

ClientSampleId :

VW0421SBSD02

Tot Ion: 50 Resp: 37164

Ion Ratio Lower Upper

50 100

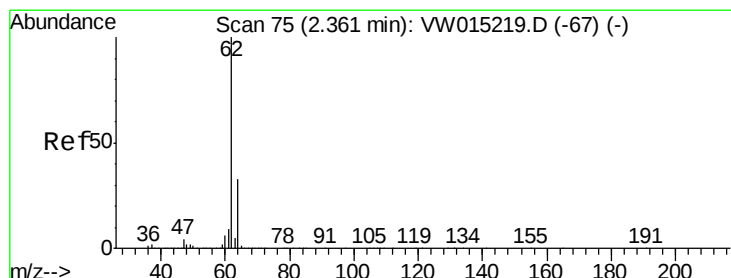
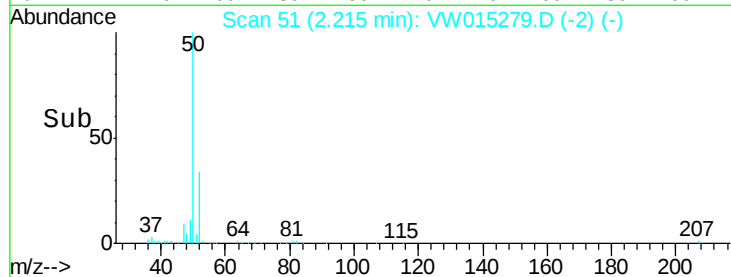
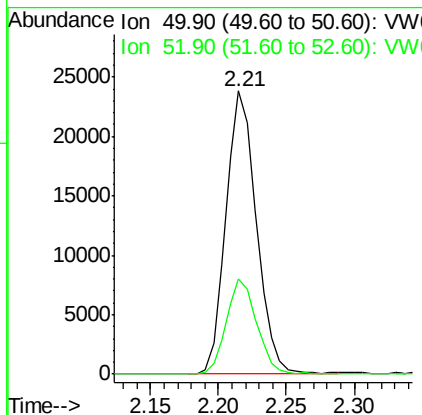
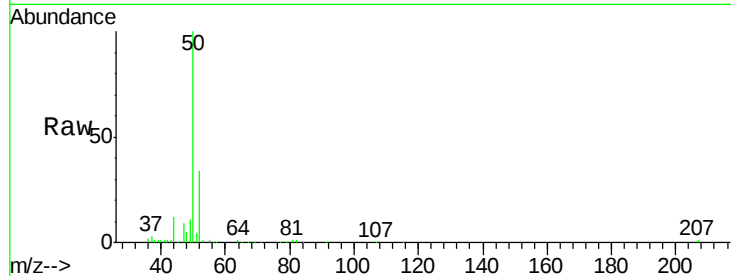
52 33.6 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.337 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW015279.D

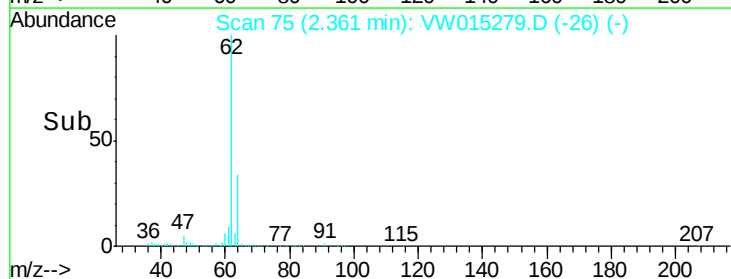
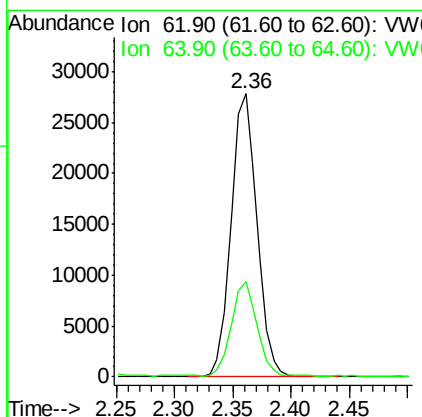
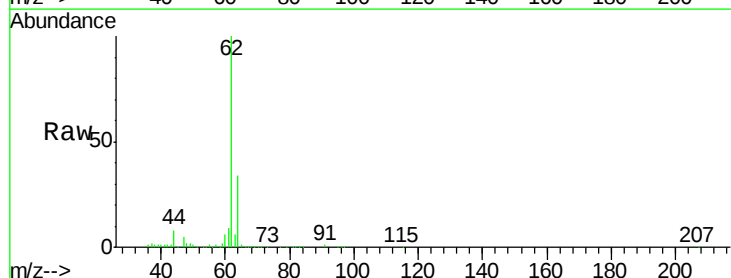
Acq: 21 Apr 2020 23:23

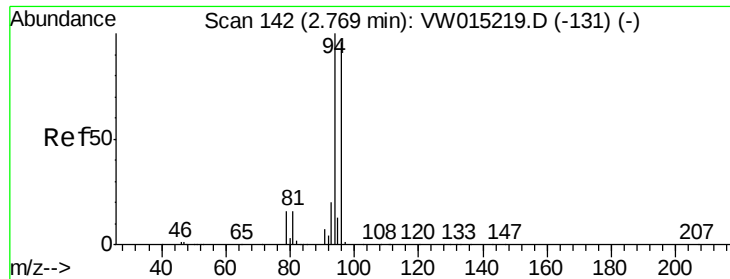
Tgt Ion: 62 Resp: 43178

Ion Ratio Lower Upper

62 100

64 33.1 25.4 38.2





#5

Bromomethane

Concen: 24.342 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW015279.D

Acq: 21 Apr 2020 23:23

Instrument :

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ClientSampleId :

VW0421SBSD02

Tot Ion: 94 Resp: 36745

Ion Ratio Lower Upper

94 100

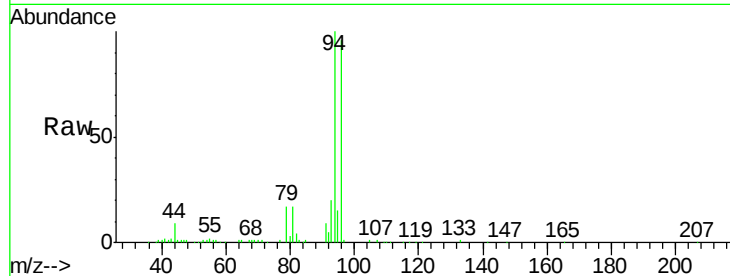
96 95.9 70.4 105.6

Manual Integrations

APPROVED

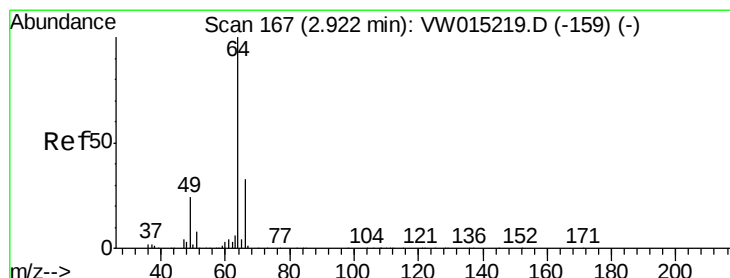
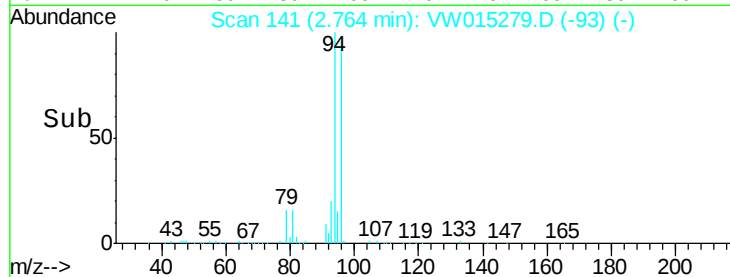
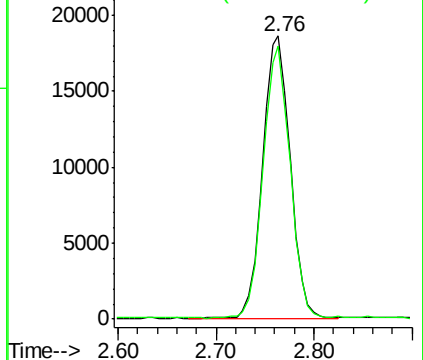
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Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 20.054 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW015279.D

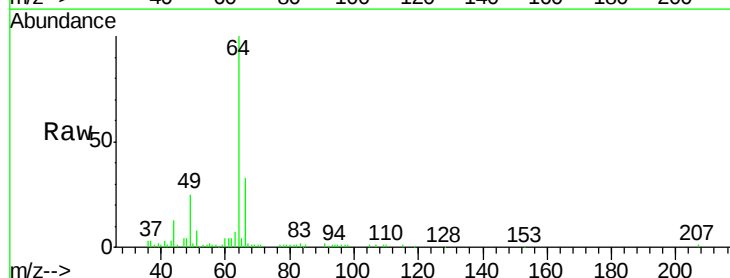
Acq: 21 Apr 2020 23:23

Tgt Ion: 64 Resp: 26410

Ion Ratio Lower Upper

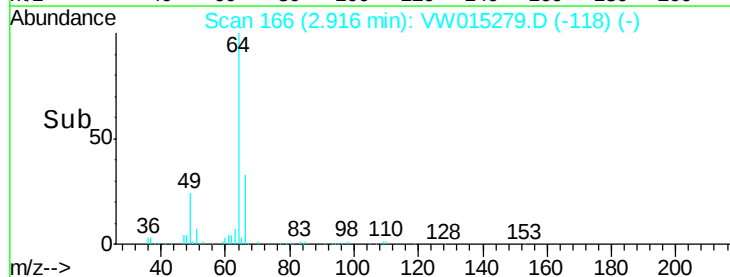
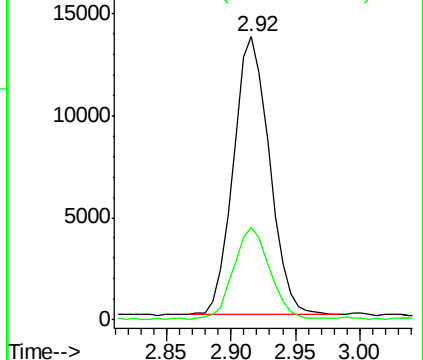
64 100

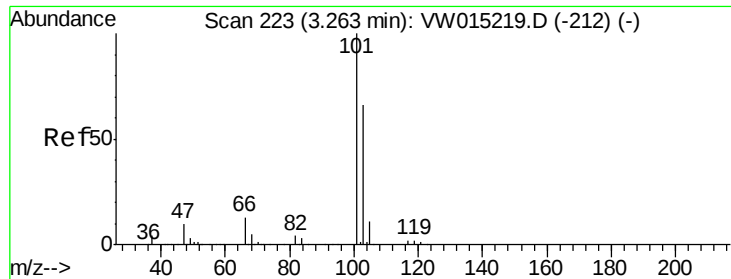
66 33.3 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW





#7

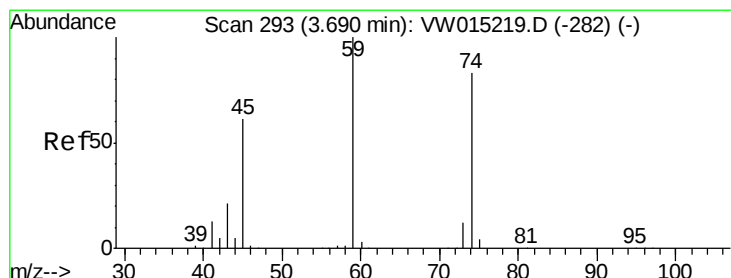
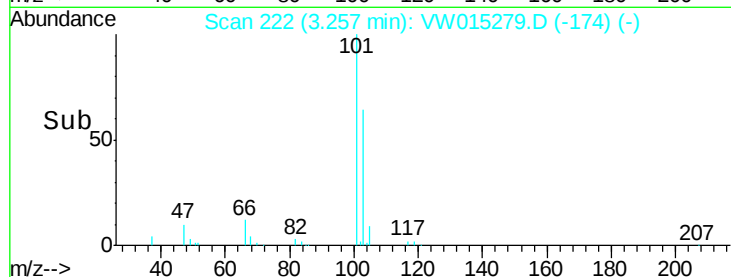
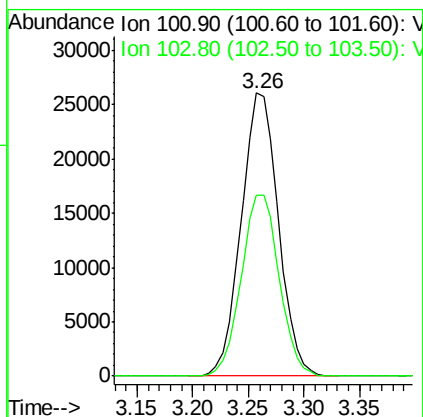
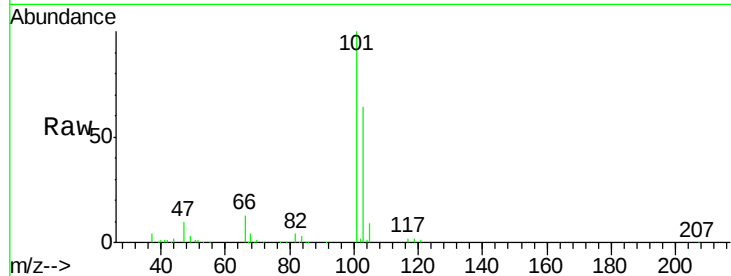
Trichlorofluoromethane
Concen: 20.137 ug/l
RT: 3.26 min Scan# 222
Delta R.T. -0.01 min
Lab File: VW015279.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.8	51.3	76.9

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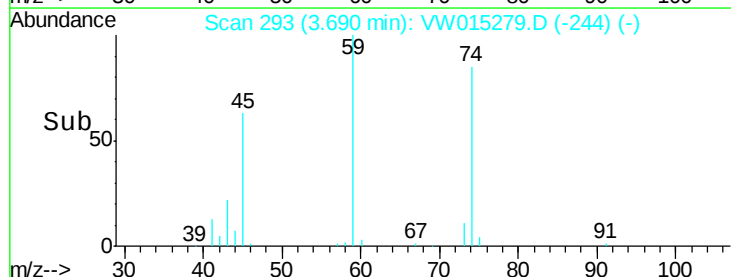
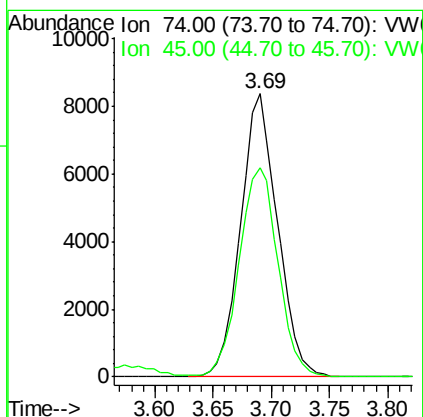
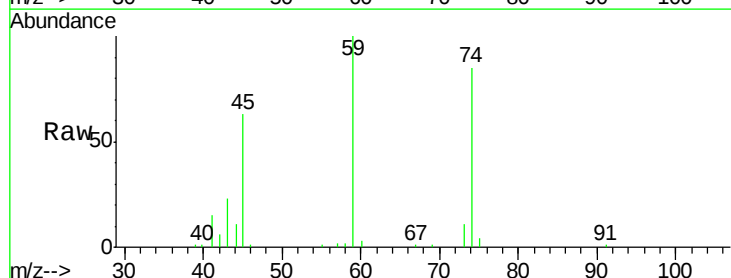
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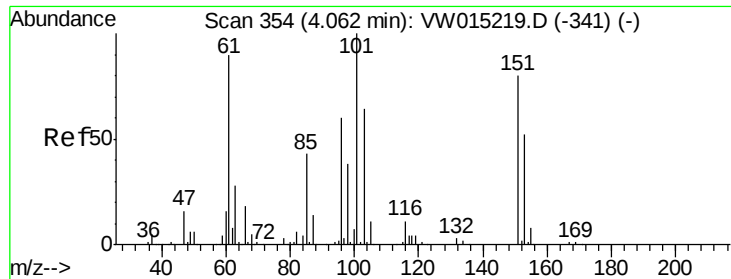


#8

Diethyl Ether
Concen: 21.962 ug/l
RT: 3.69 min Scan# 293
Delta R.T. 0.00 min
Lab File: VW015279.D
Acq: 21 Apr 2020 23:23

Tgt Ion	Ratio	Lower	Upper
74	100		
45	78.0	45.5	136.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.160 ug/l

RT: 4.07 min Scan# 355

Delta R.T. 0.01 min

Lab File: VW015279.D

Acq: 21 Apr 2020 23:23

Instrument :

MSVOA_W

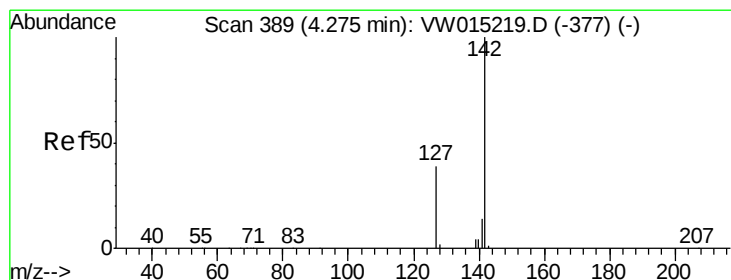
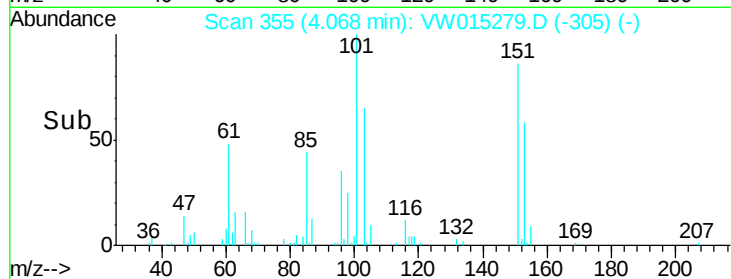
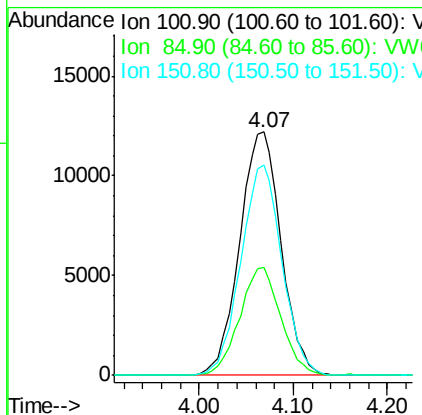
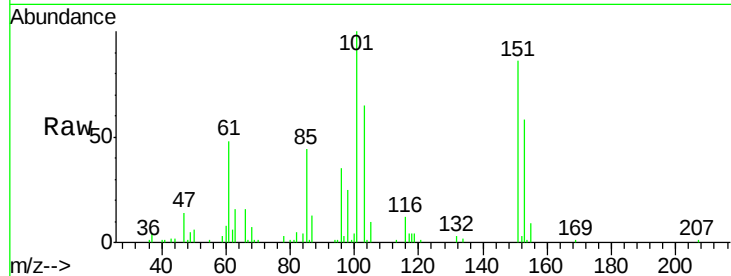
ClientSampleId :

VW0421SBS02

Tot Ion:	101	Resp:	37350
Ion Ratio	Lower	Upper	
101	100		
85	43.9	35.3	52.9
151	85.8	59.3	88.9

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#10

Methyl Iodide

Concen: 18.982 ug/l

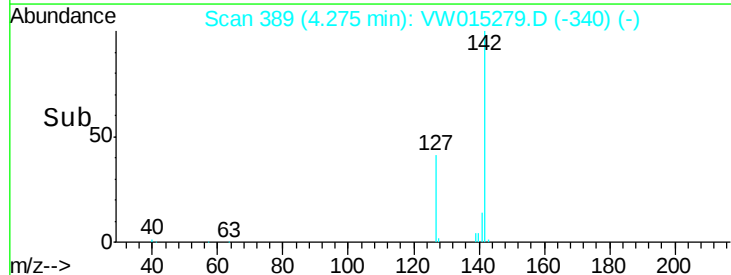
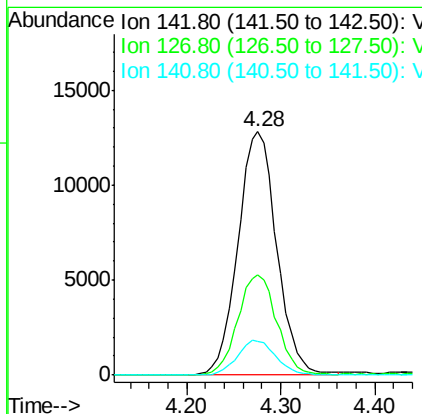
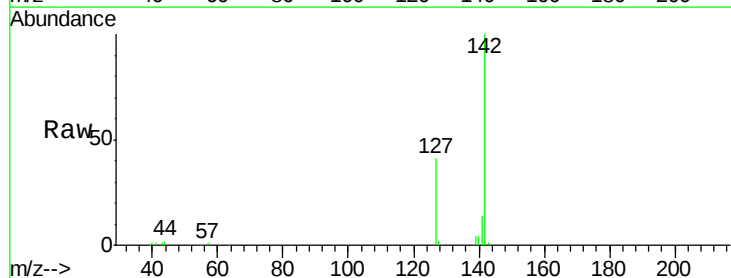
RT: 4.28 min Scan# 389

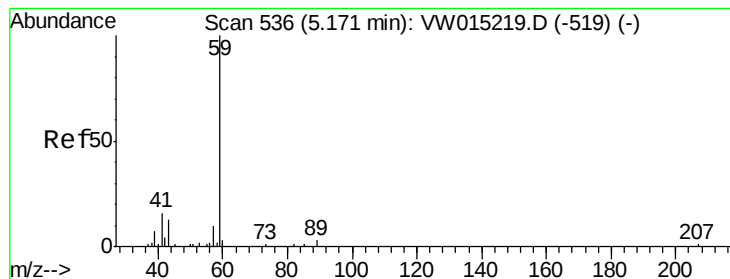
Delta R.T. 0.00 min

Lab File: VW015279.D

Acq: 21 Apr 2020 23:23

Tgt Ion:	142	Resp:	36937
Ion Ratio	Lower	Upper	
142	100		
127	41.4	33.9	50.9
141	14.0	11.4	17.2





#11

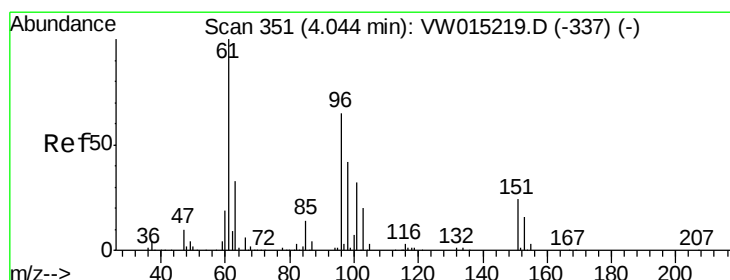
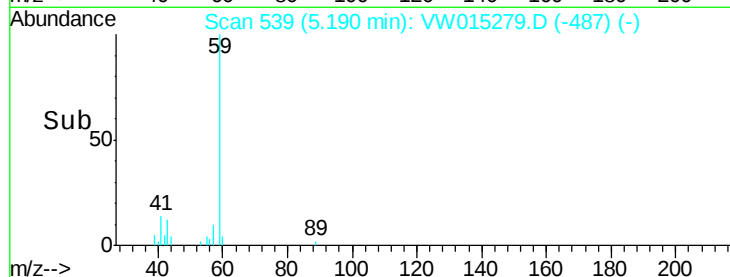
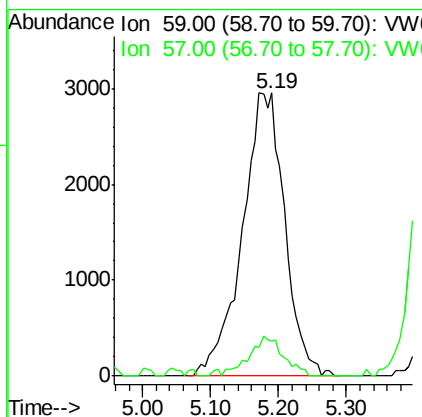
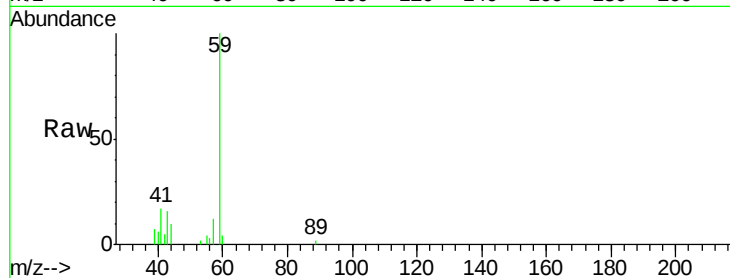
Tert butyl alcohol
Concen: 91.924 ug/l
RT: 5.19 min Scan# 539
Delta R.T. 0.02 min
Lab File: VW015279.D
Acq: 21 Apr 2020 23:23

Instrument :
MSVOA_W
ClientSampleId :
VW0421SBS02

Tot Ion	59	Resp	12811
Ion Ratio	100	Lower	Upper
57	11.4	8.4	12.6

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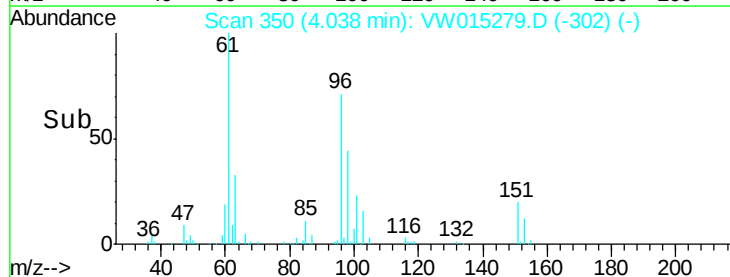
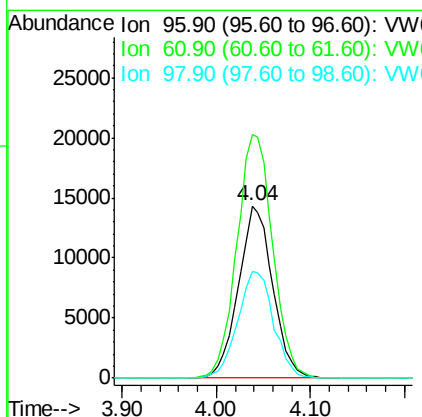
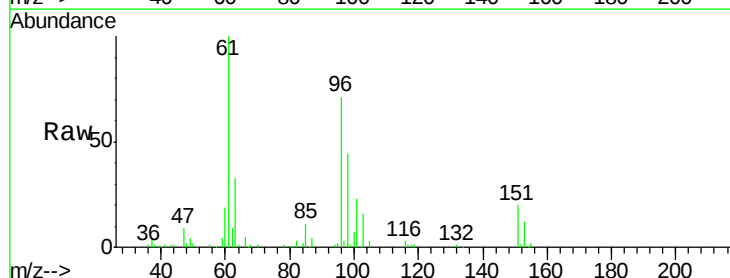
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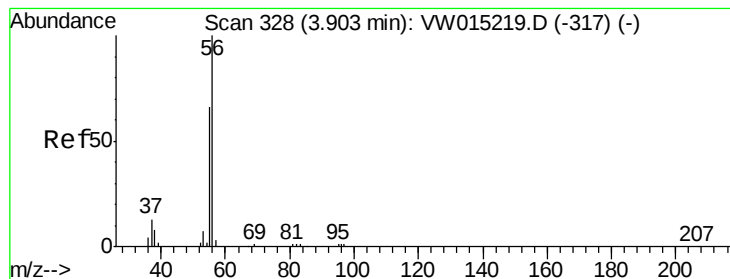


#12

1,1-Dichloroethene
Concen: 20.410 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.01 min
Lab File: VW015279.D
Acq: 21 Apr 2020 23:23

Tgt Ion	96	Resp	36397
Ion Ratio	100	Lower	Upper
61	141.2	127.0	190.4
98	61.6	51.0	76.4





#13

Acrolein

Concen: 138.121 ug/l

RT: 3.90 min Scan# 328

Delta R.T. 0.00 min

Lab File: VW015279.D

Acq: 21 Apr 2020 23:23

Instrument :

MSVOA_W

ClientSampleId :

VW0421SBS02

Tot Ion: 56 Resp: 10075

Ion Ratio Lower Upper

56 100

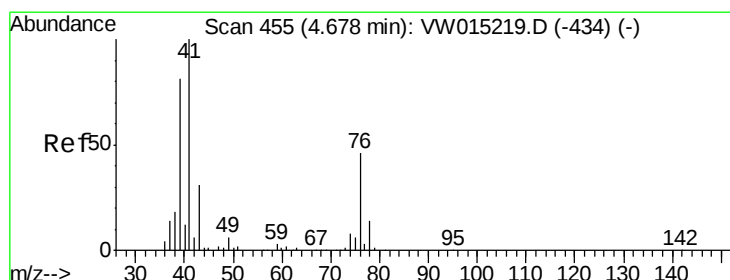
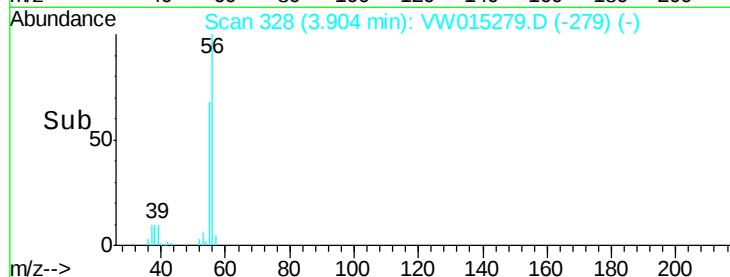
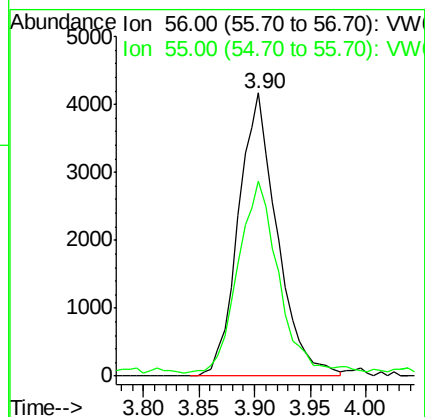
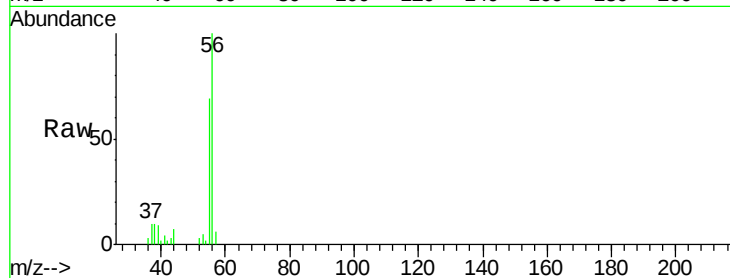
55 69.4 56.2 84.2

Manual Integrations

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#14

Allyl chloride

Concen: 19.491 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.01 min

Lab File: VW015279.D

Acq: 21 Apr 2020 23:23

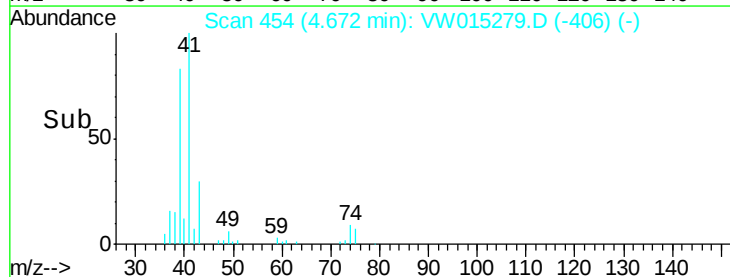
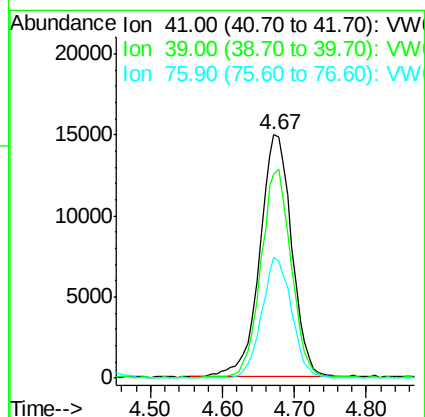
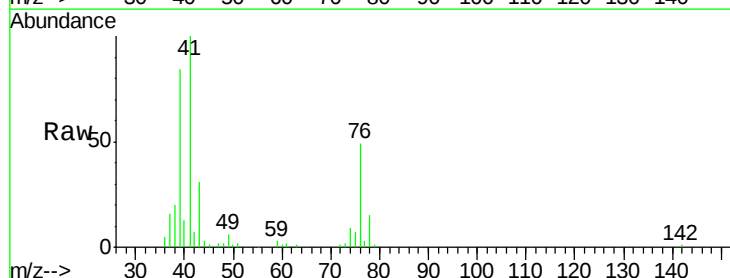
Tgt Ion: 41 Resp: 46110

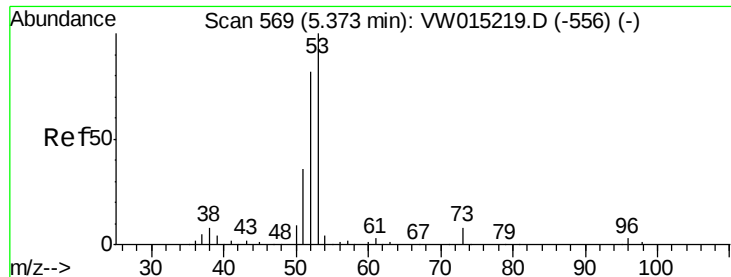
Ion Ratio Lower Upper

41 100

39 82.3 54.0 81.0#

76 46.4 31.8 47.6





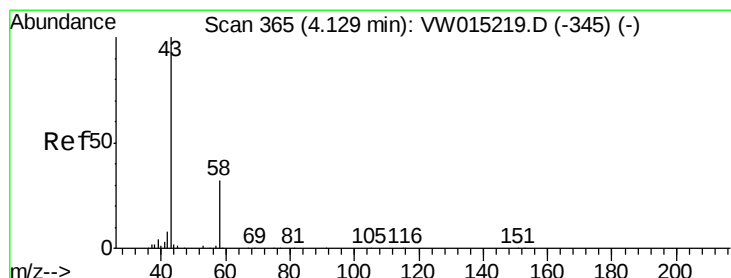
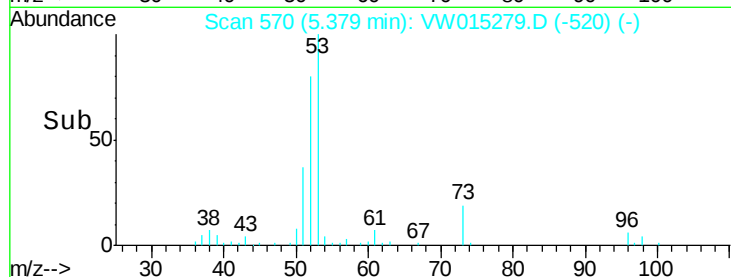
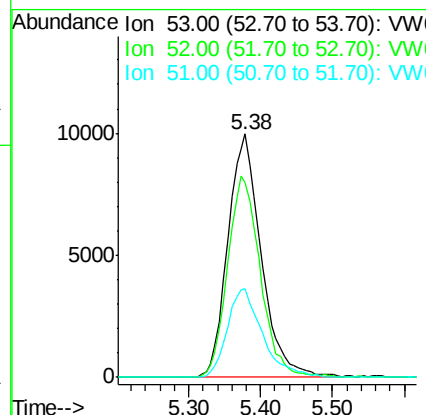
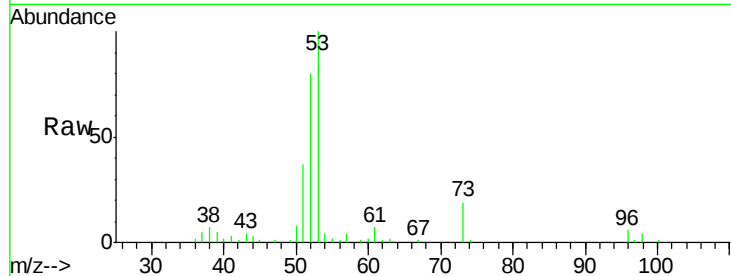
#15
 Acrylonitrile
 Concen: 99.903 ug/l
 RT: 5.38 min Scan# 570
 Delta R.T. 0.01 min
 Lab File: VW015279.D
 Acq: 21 Apr 2020 23:23

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0421SBSD02

Tot Ion:	53	Resp:	32060
Ion	Ratio	Lower	Upper
53	100		
52	81.2	65.2	97.8
51	38.1	28.2	42.4

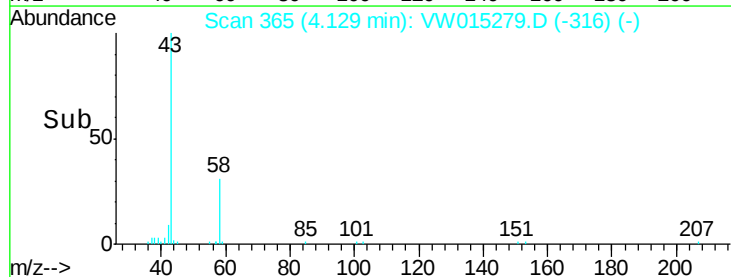
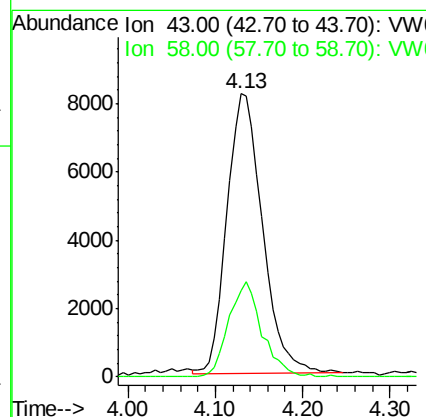
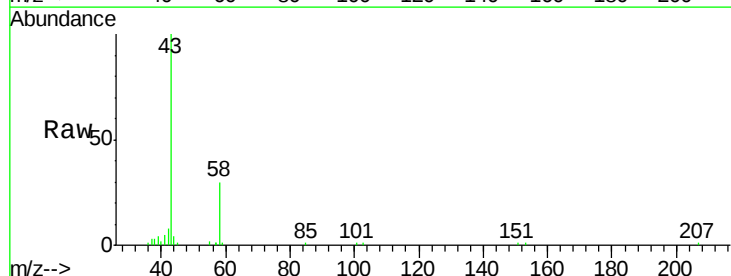
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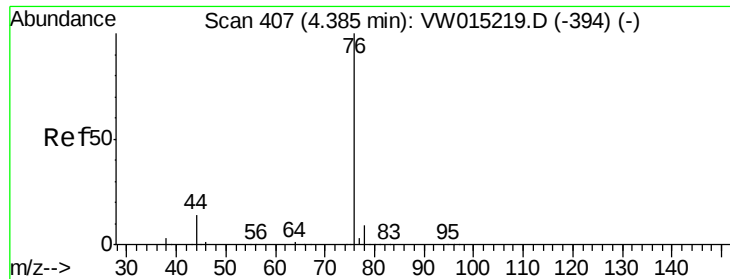
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#16
 Acetone
 Concen: 77.954 ug/l
 RT: 4.13 min Scan# 365
 Delta R.T. 0.00 min
 Lab File: VW015279.D
 Acq: 21 Apr 2020 23:23

Tgt Ion:	43	Resp:	23278
Ion	Ratio	Lower	Upper
43	100		
58	30.9	27.0	40.4





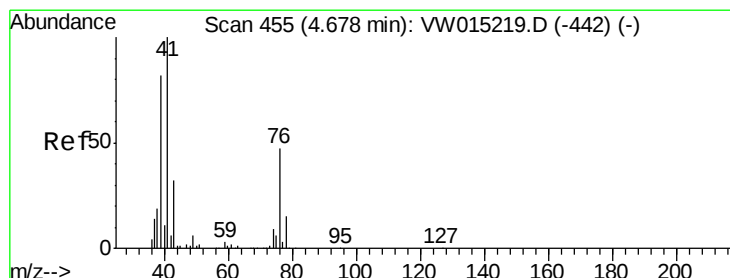
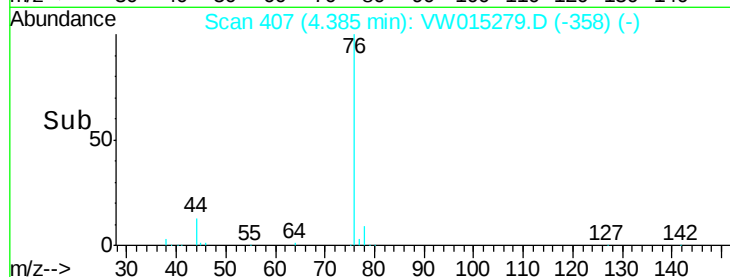
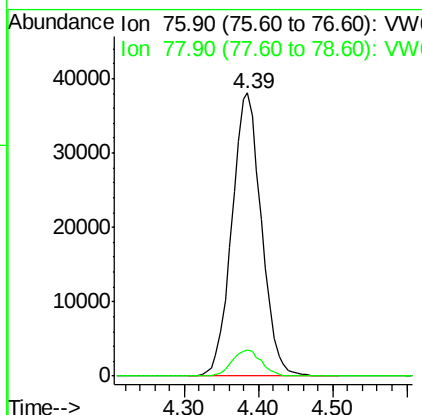
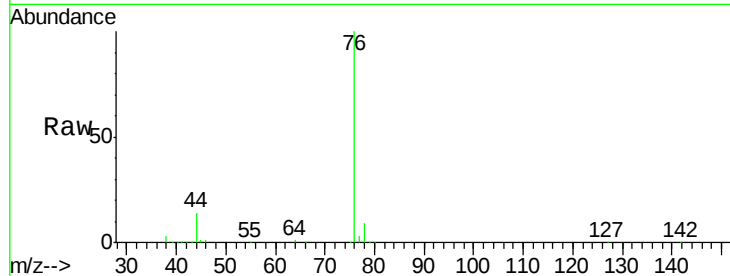
#17
Carbon Disulfide
Concen: 19.936 ug/l
RT: 4.39 min Scan# 407
Delta R.T. 0.00 min
Lab File: VW015279.D
Acq: 21 Apr 2020 23:23

Instrument :
MSVOA_W
ClientSampleId :
VW0421SBSD02

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.0	10.6

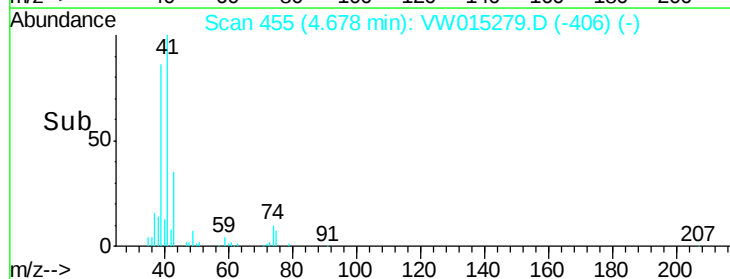
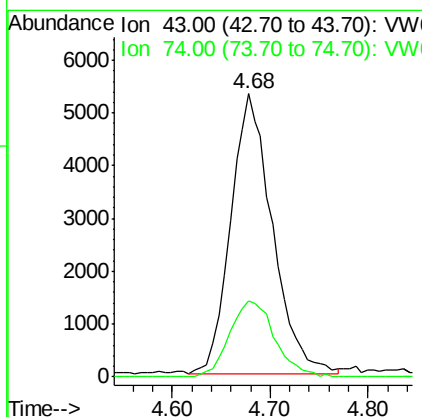
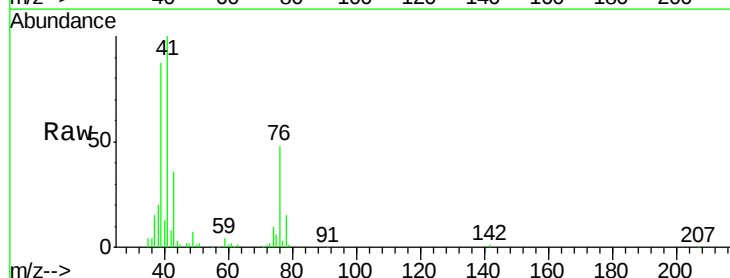
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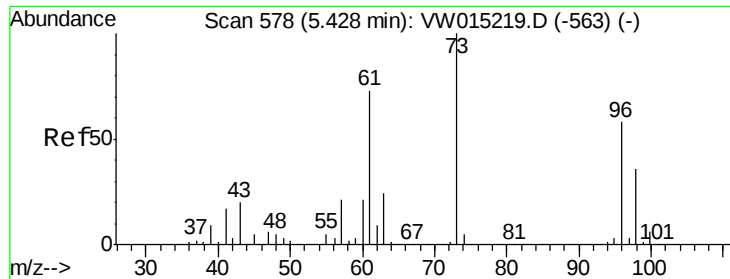
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#18
Methyl Acetate
Concen: 19.785 ug/l
RT: 4.68 min Scan# 455
Delta R.T. 0.00 min
Lab File: VW015279.D
Acq: 21 Apr 2020 23:23

Tgt Ion	Ratio	Lower	Upper
43	100		
74	29.4	20.6	31.0





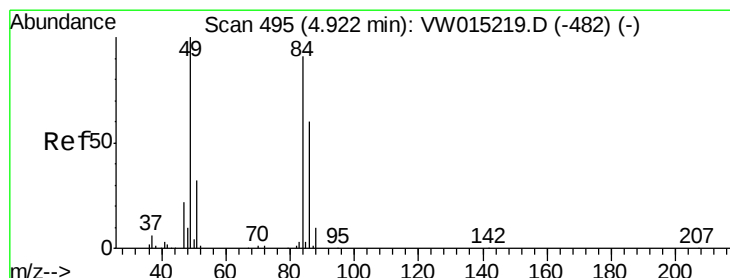
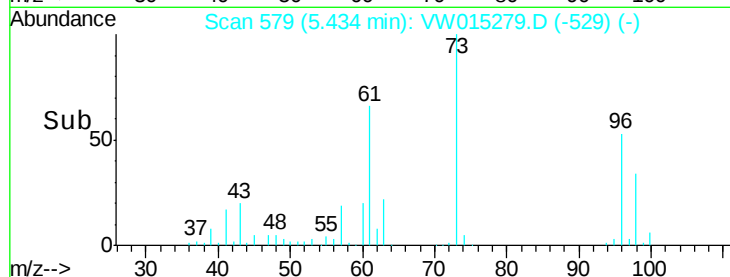
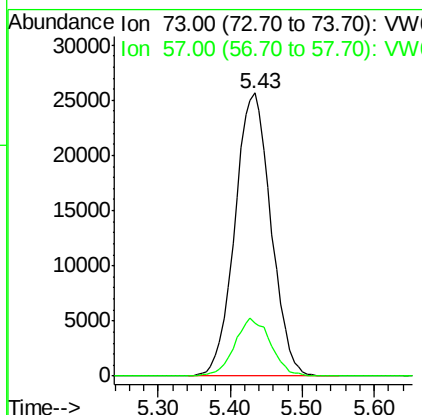
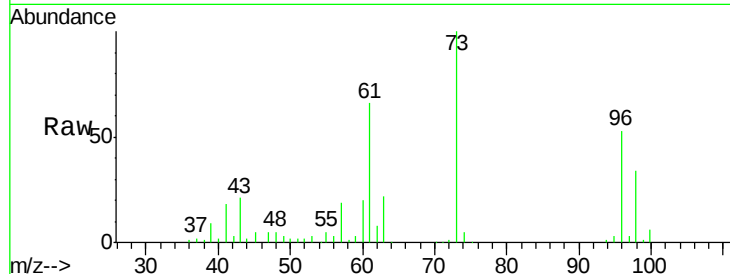
#19
Methyl tert-butyl Ether
Concen: 21.779 ug/l
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW015279.D
Acq: 21 Apr 2020 23:23

Instrument :
MSVOA_W
ClientSampleId :
VW0421SBS02

Tot Ion	Ratio	Lower	Upper
73	100		
57	18.9	17.8	26.6

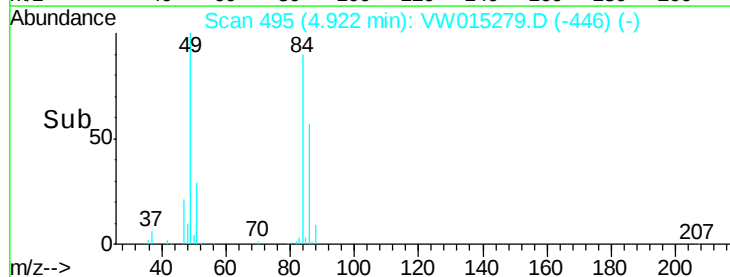
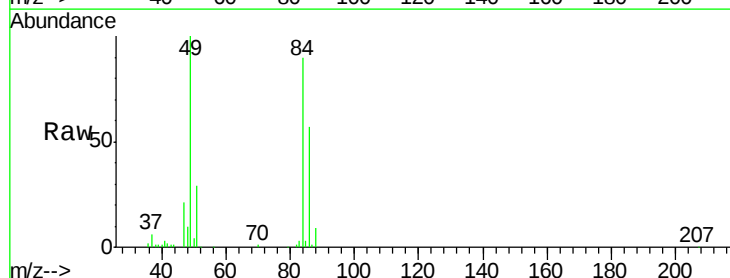
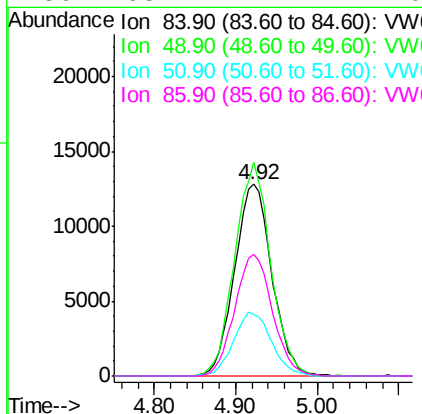
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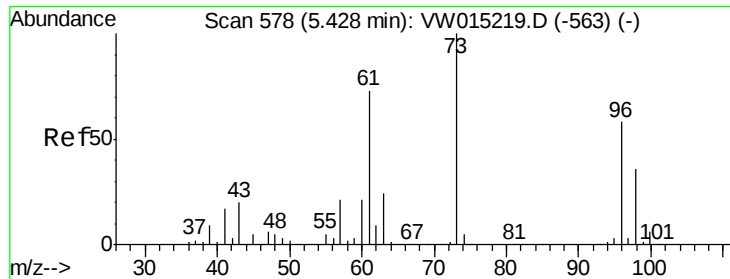
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#20
Methylene Chloride
Concen: 20.754 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW015279.D
Acq: 21 Apr 2020 23:23

Tgt Ion	Ratio	Lower	Upper
84	100		
49	111.5	95.4	143.0
51	31.9	29.8	44.8
86	63.7	47.4	71.0





#21

trans-1,2-Dichloroethene

Concen: 20.931 ug/l

RT: 5.43 min Scan# 578

Delta R.T. 0.00 min

Lab File: VW015279.D

Acq: 21 Apr 2020 23:23

Instrument :

MSVOA_W

ClientSampleId :

VW0421SBSD02

Tot Ion: 96 Resp: 42331

Ion Ratio Lower Upper

96 100

61 122.6 107.8 161.6

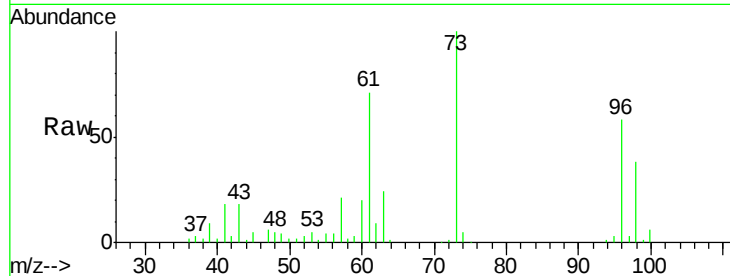
98 64.7 50.2 75.2

Manual Integrations

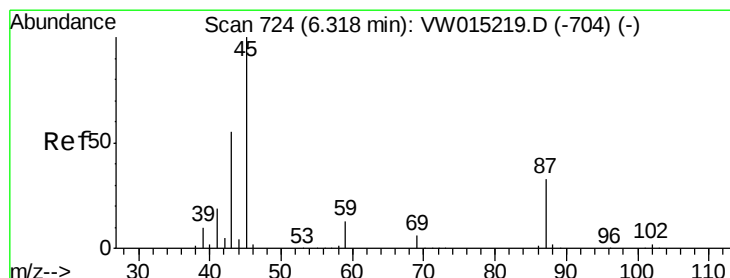
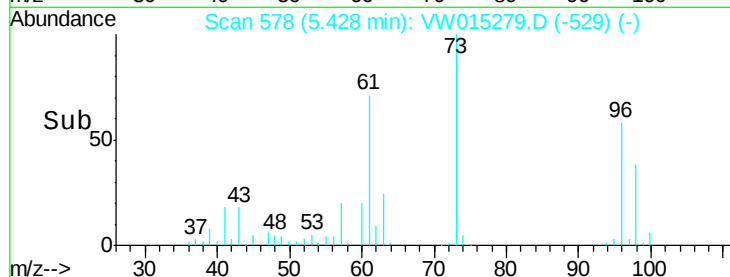
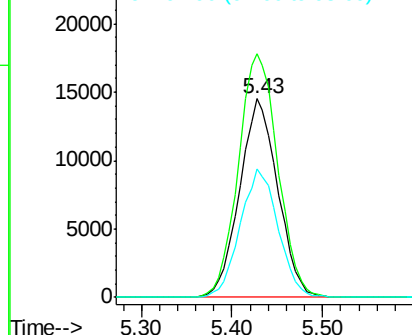
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Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 21.013 ug/l

RT: 6.32 min Scan# 724

Delta R.T. 0.00 min

Lab File: VW015279.D

Acq: 21 Apr 2020 23:23

Tgt Ion: 45 Resp: 95363

Ion Ratio Lower Upper

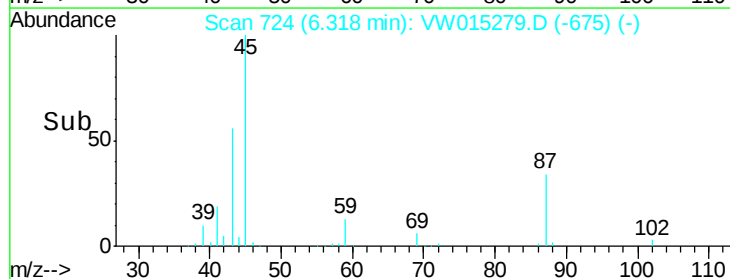
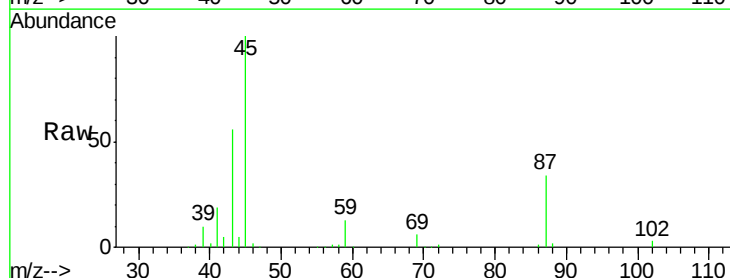
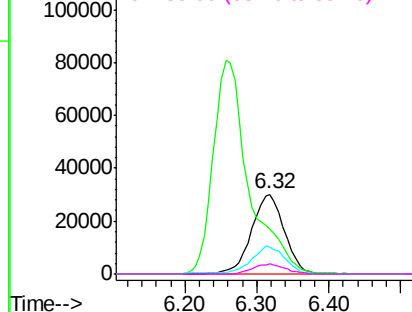
45 100

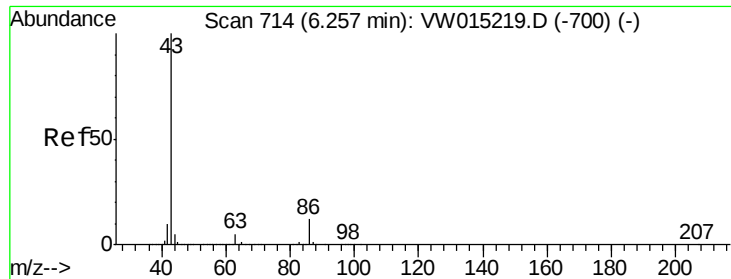
43 55.4 41.8 62.6

87 34.4 23.2 34.8

59 12.8 9.6 14.4

Abundance Ion 45.00 (44.70 to 45.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 87.00 (86.70 to 87.70): VW
Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 104.596 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW015279.D

Acq: 21 Apr 2020 23:23

Instrument :

MSVOA_W

ClientSampleId :

VW0421SBSD02

Tot Ion: 43 Resp: 278561

Ion Ratio Lower Upper

43 100

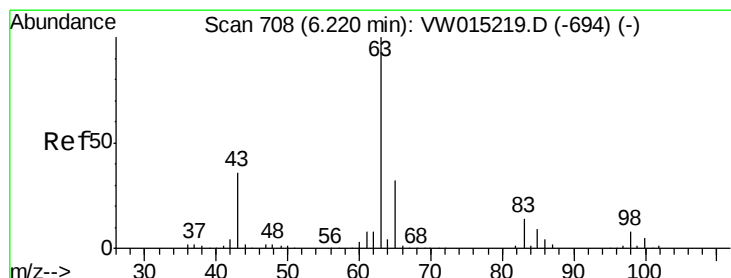
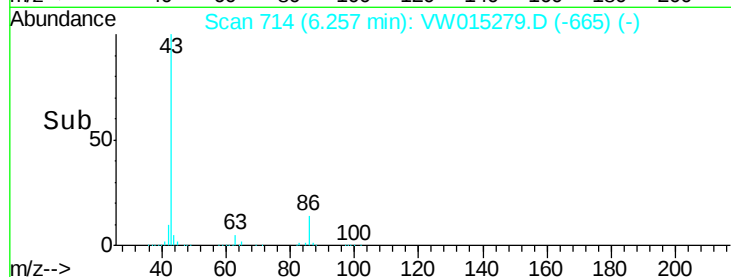
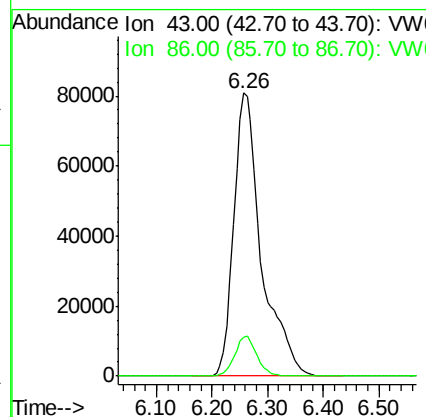
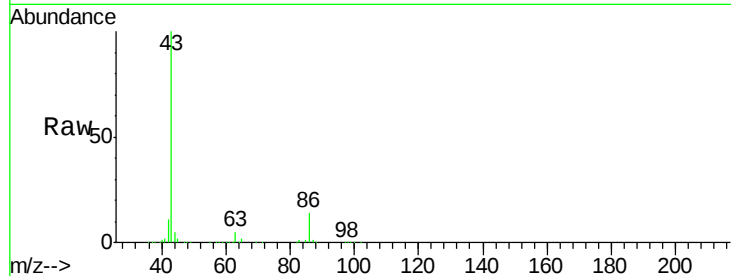
86 13.8 9.1 13.7#

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#24

1,1-Dichloroethane

Concen: 21.058 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.00 min

Lab File: VW015279.D

Acq: 21 Apr 2020 23:23

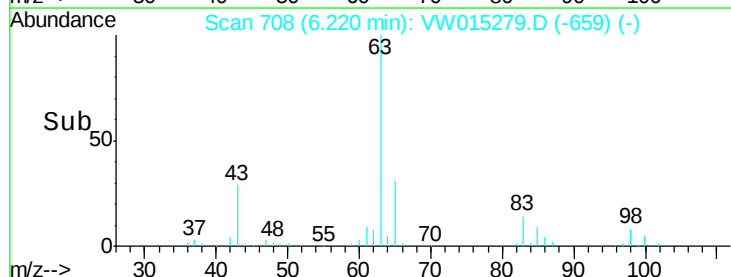
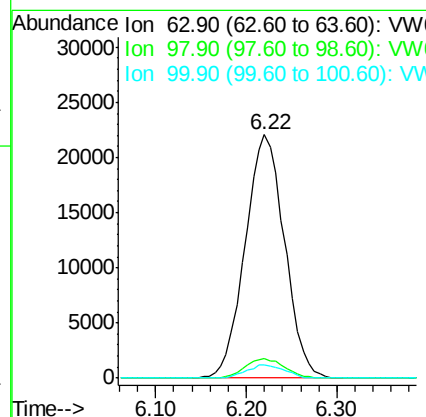
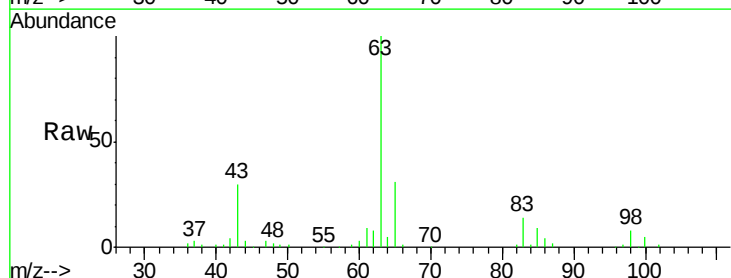
Tgt Ion: 63 Resp: 66235

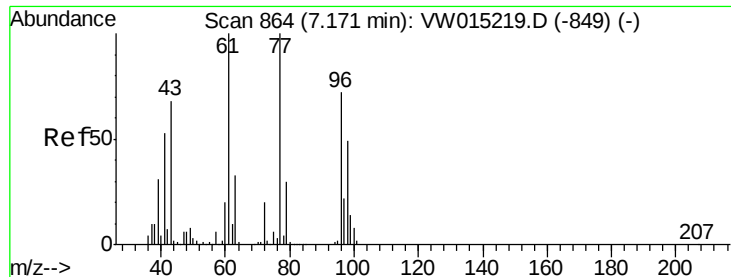
Ion Ratio Lower Upper

63 100

98 7.9 3.6 10.9

100 5.4 2.4 7.2





#25

2-Butanone

Concen: 95.113 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW015279.D

Acq: 21 Apr 2020 23:23

Instrument :

MSVOA_W

ClientSampleId :

VW0421SBS02

Tot Ion: 43 Resp: 37682

Ion Ratio Lower Upper

43 100

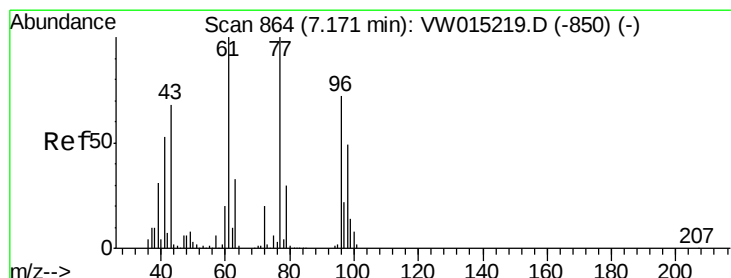
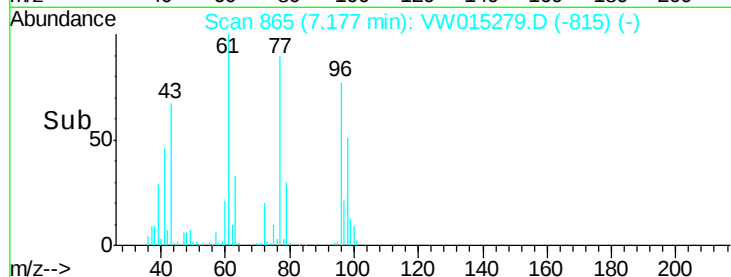
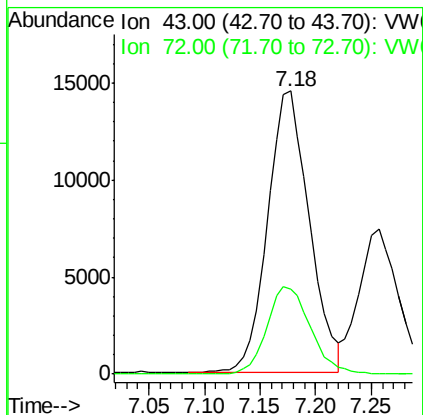
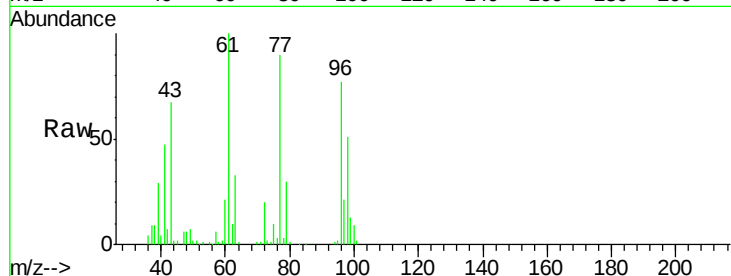
72 30.3 21.6 32.4

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 18.831 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW015279.D

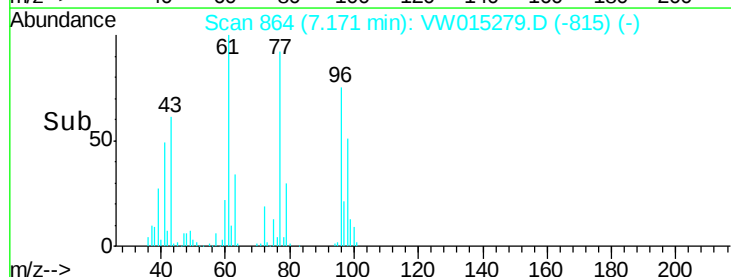
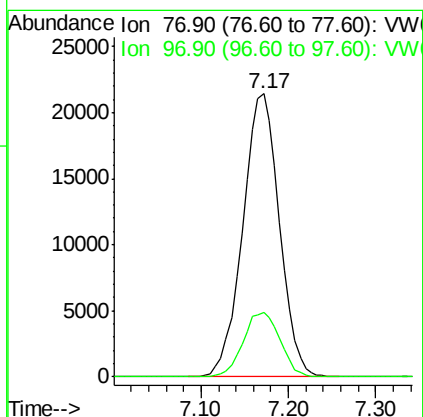
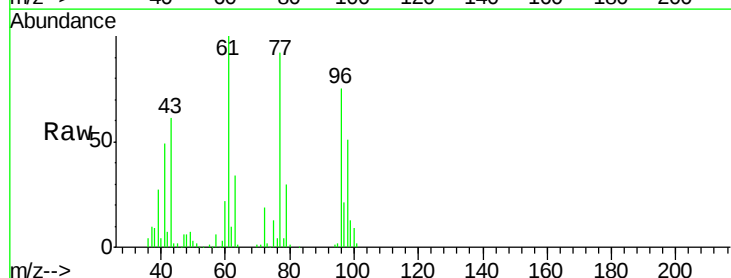
Acq: 21 Apr 2020 23:23

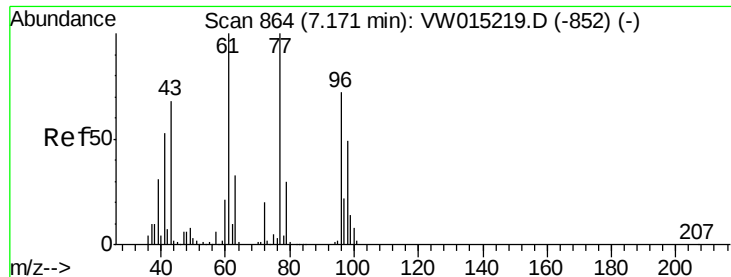
Tgt Ion: 77 Resp: 62312

Ion Ratio Lower Upper

77 100

97 23.0 11.9 35.5





#27

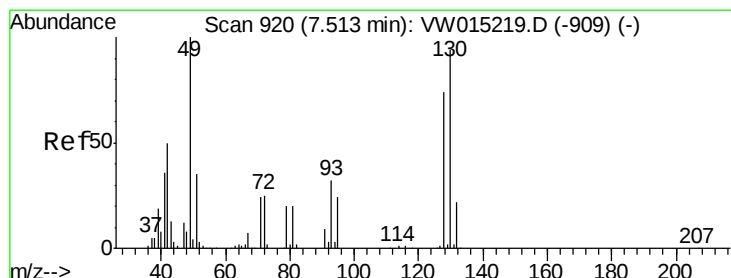
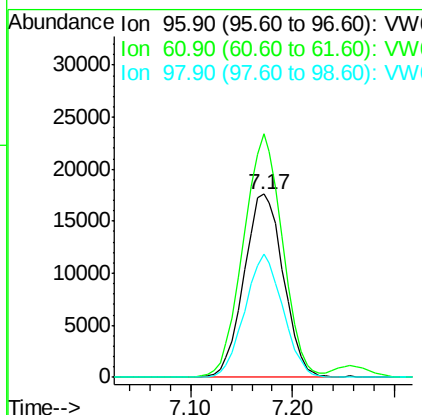
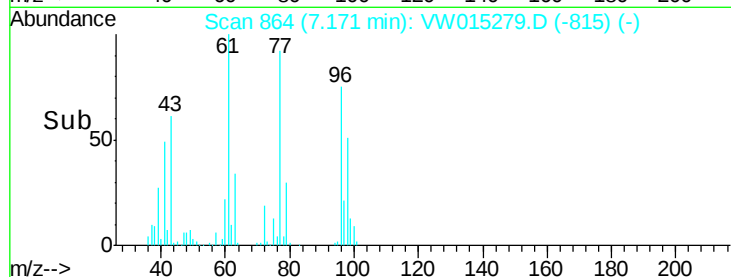
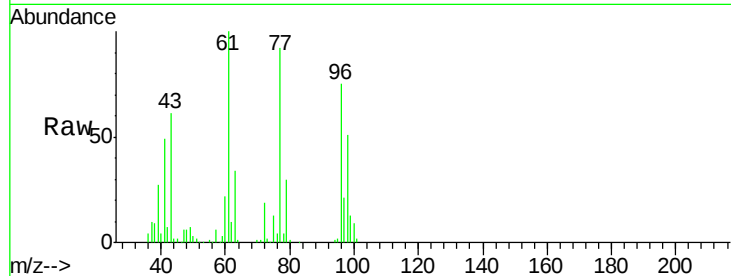
cis-1,2-Dichloroethene
Concen: 21.573 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW015279.D
Acq: 21 Apr 2020 23:23

Instrument :
MSVOA_W
ClientSampleId :
VW0421SBSD02

Tot Ion	Ratio	Lower	Upper
96	100		
61	132.4	0.0	275.0
98	65.3	0.0	130.8

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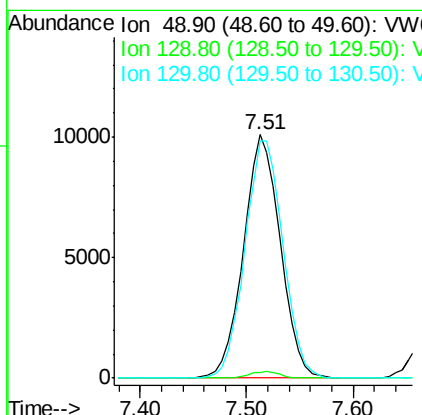
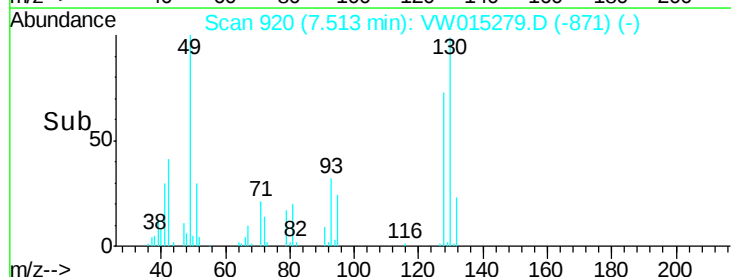
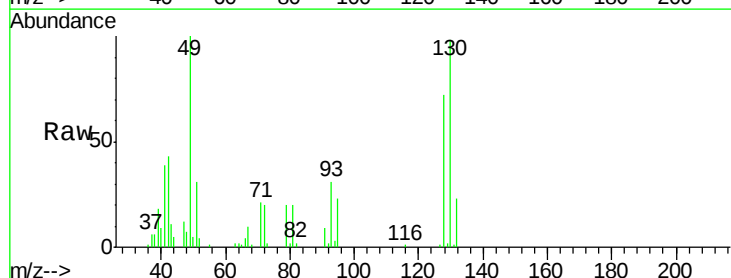
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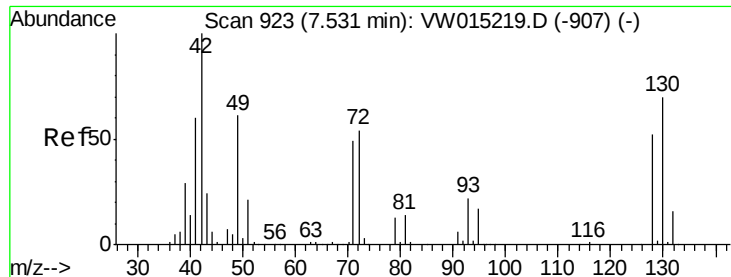


#28

Bromochloromethane
Concen: 21.448 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW015279.D
Acq: 21 Apr 2020 23:23

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.6
130	101.1	60.9	91.3#





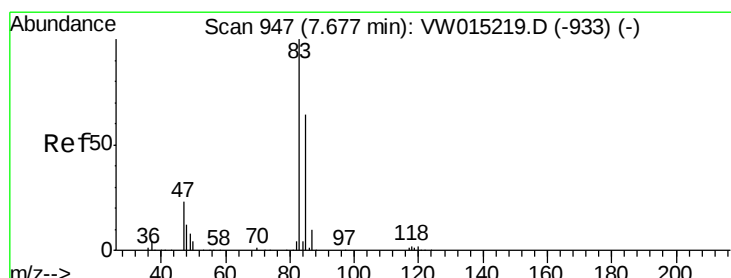
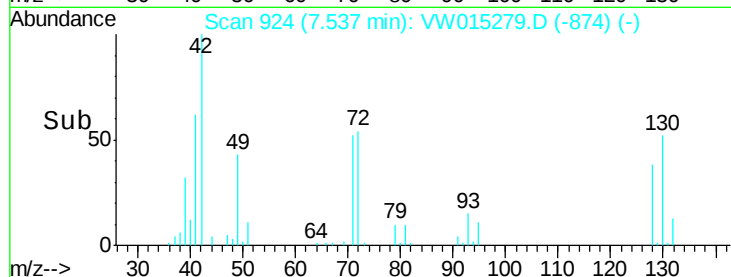
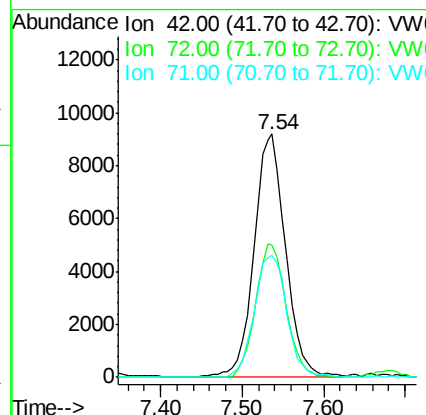
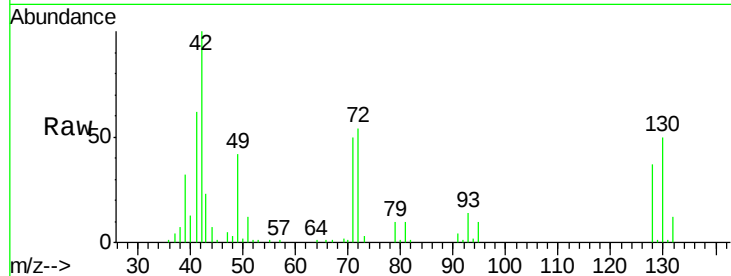
#29
Tetrahydrofuran
Concen: 100.613 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW015279.D
Acq: 21 Apr 2020 23:23

Instrument :
MSVOA_W
ClientSampleId :
VW0421SBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	53.1	36.2	54.2
71	51.6	34.2	51.4

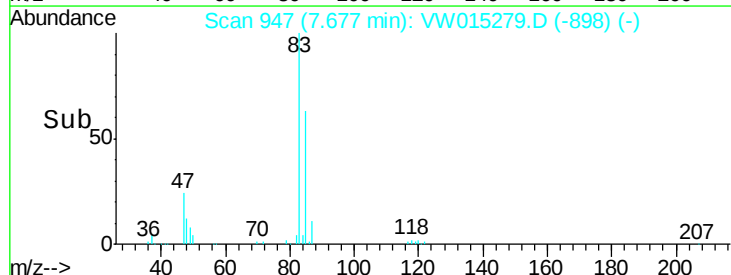
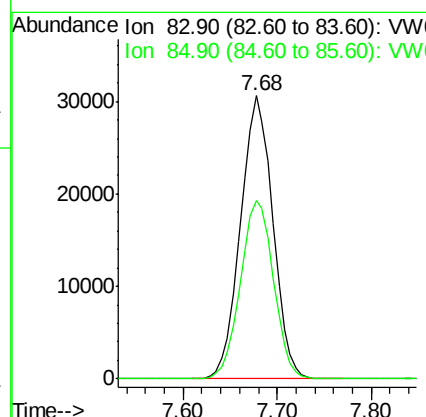
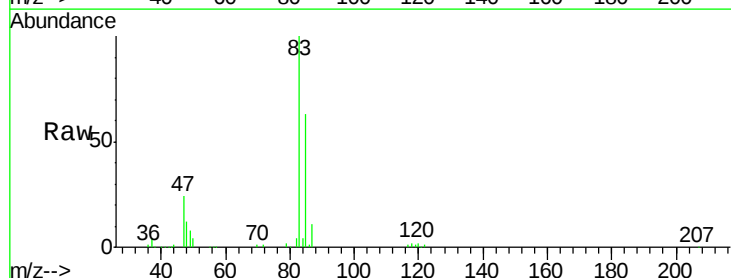
Manual Integrations
APPROVED

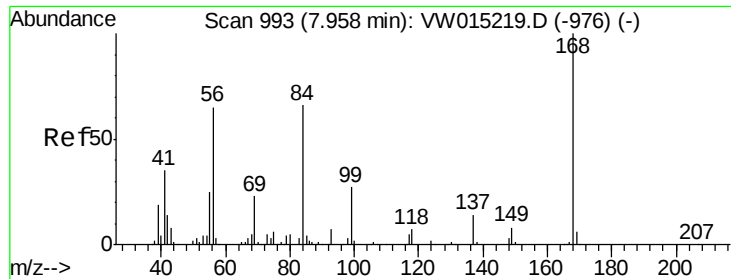
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#30
Chloroform
Concen: 21.481 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW015279.D
Acq: 21 Apr 2020 23:23

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.2	50.9	76.3





#31

Cyclohexane

Concen: 19.092 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW015279.D

Acq: 21 Apr 2020 23:23

Instrument :

MSVOA_W

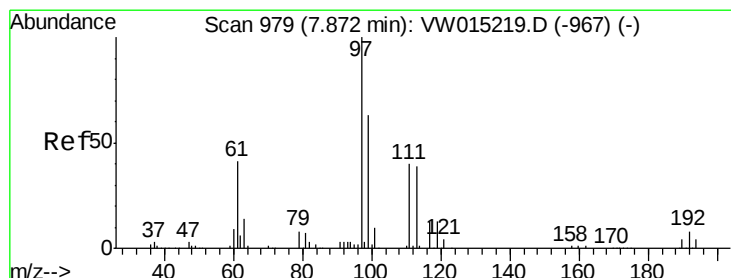
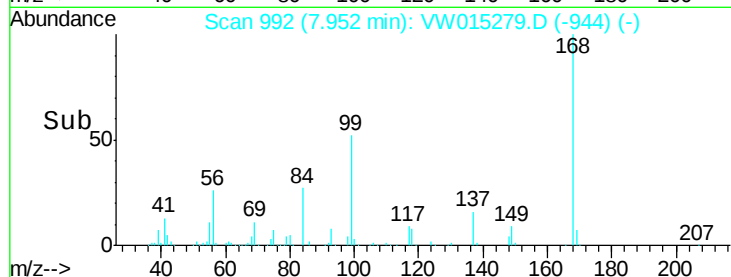
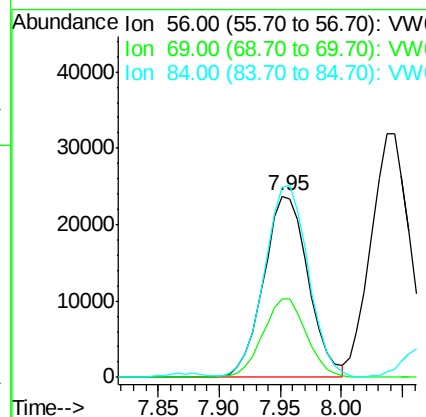
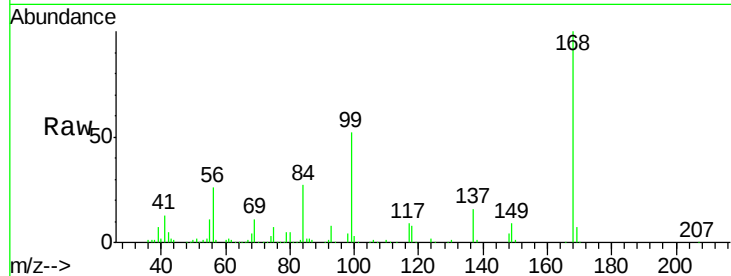
ClientSampleId :

VW0421SBS02

Tot Ion:	56	Resp:	60363
Ion Ratio	Lower	Upper	
56	100		
69	43.3	27.1	40.7#
84	102.5	71.9	107.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.917 ug/l

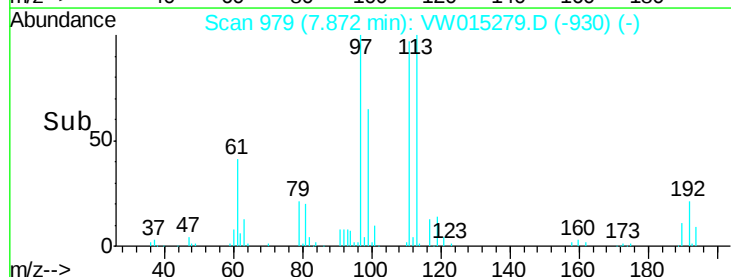
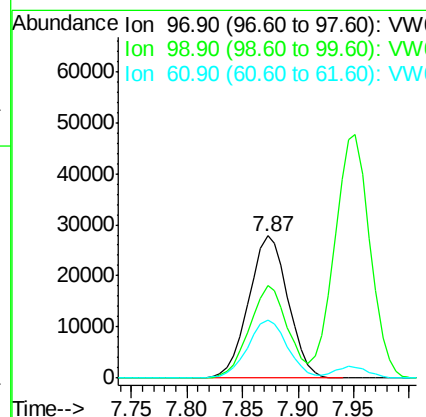
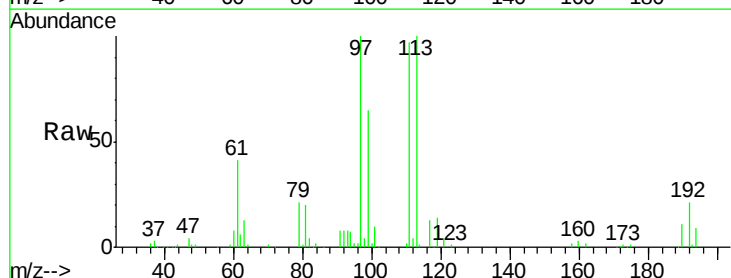
RT: 7.87 min Scan# 979

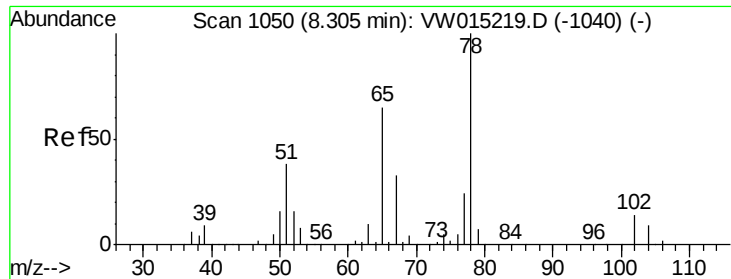
Delta R.T. 0.00 min

Lab File: VW015279.D

Acq: 21 Apr 2020 23:23

Tgt Ion:	97	Resp:	68530
Ion Ratio	Lower	Upper	
97	100		
99	63.8	52.2	78.2
61	41.6	34.2	51.2





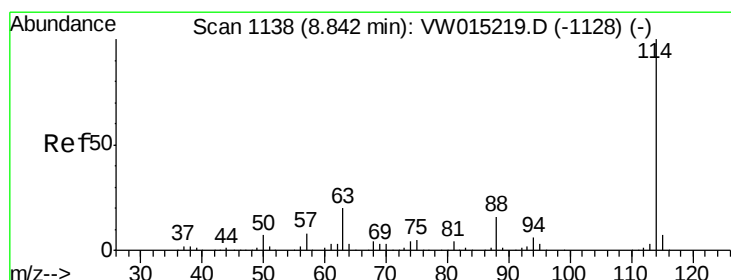
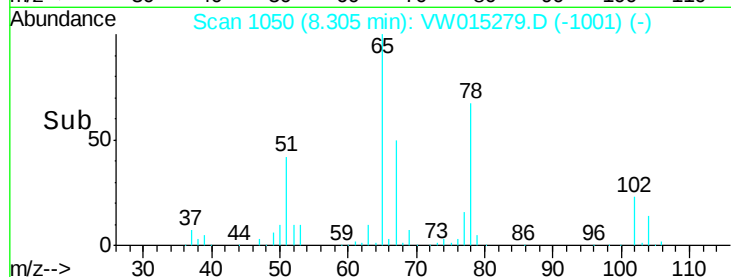
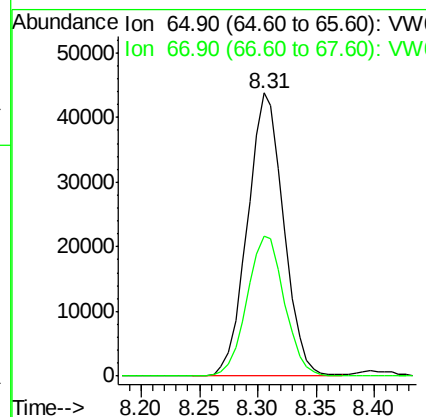
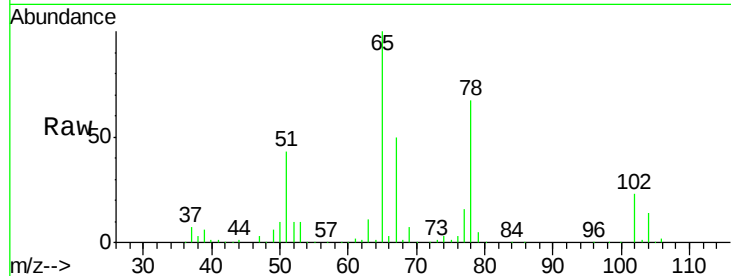
#33
 1,2-Dichloroethane-d4
 Concen: 55.302 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW015279.D
 Acq: 21 Apr 2020 23:23

Instrument :
 MSVOA_W
 ClientSampleID :
 VW0421SBS02

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.2	0.0	107.0

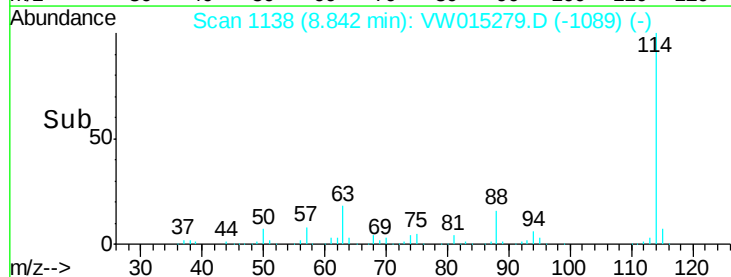
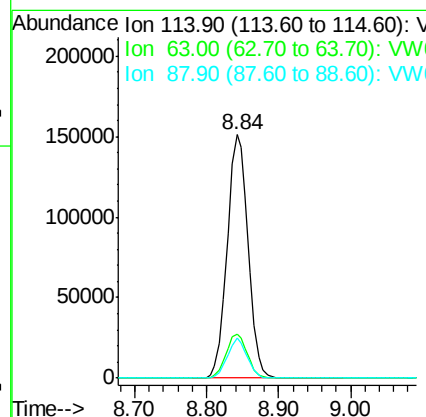
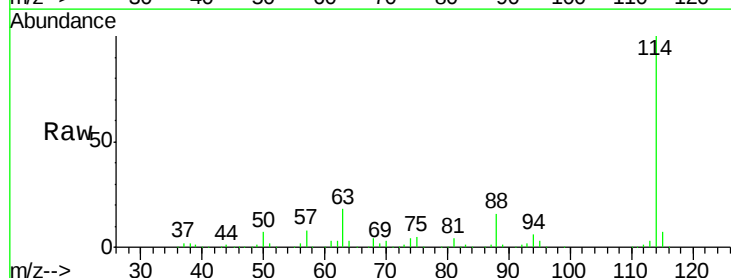
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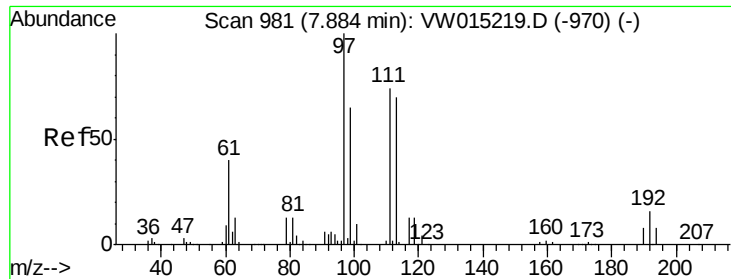
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW015279.D
 Acq: 21 Apr 2020 23:23

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.3	0.0	39.8
88	16.5	0.0	30.2





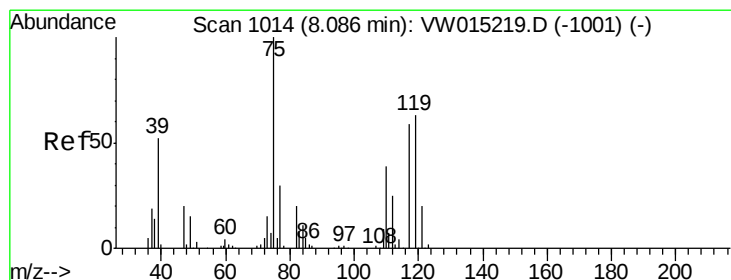
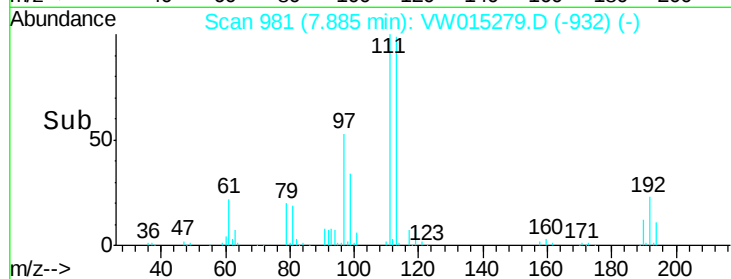
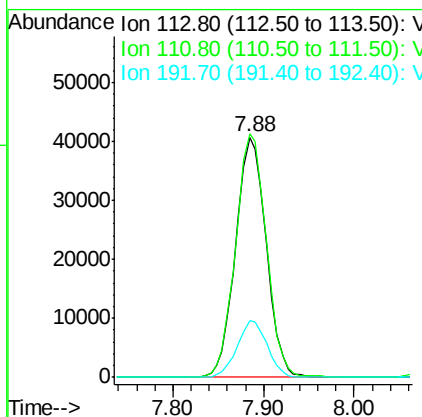
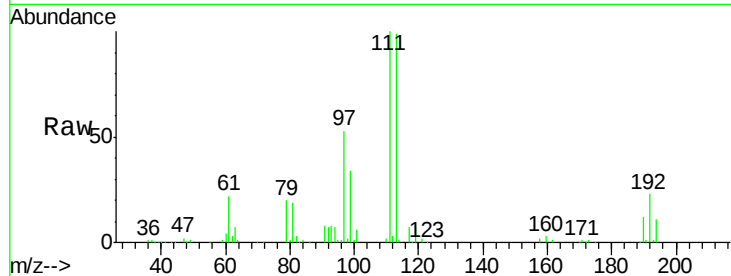
#35
 Dibromofluoromethane
 Concen: 56.428 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW015279.D
 Acq: 21 Apr 2020 23:23

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0421SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	95236		
111	102.0	83.0	124.4	
192	23.2	15.1	22.7#	

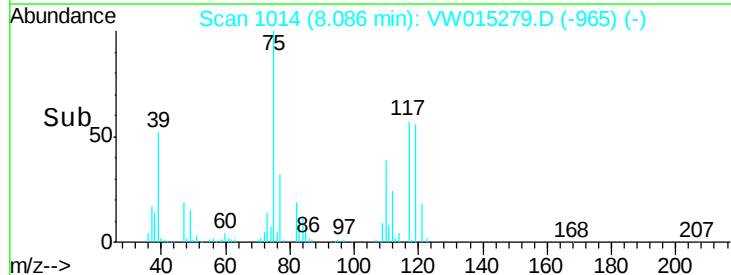
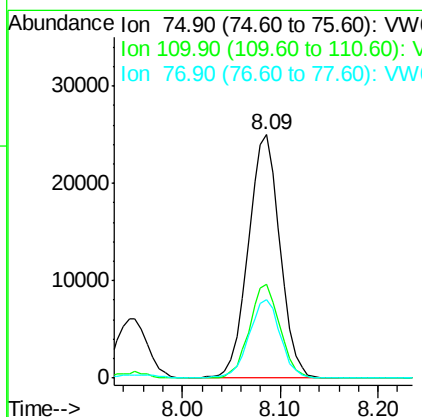
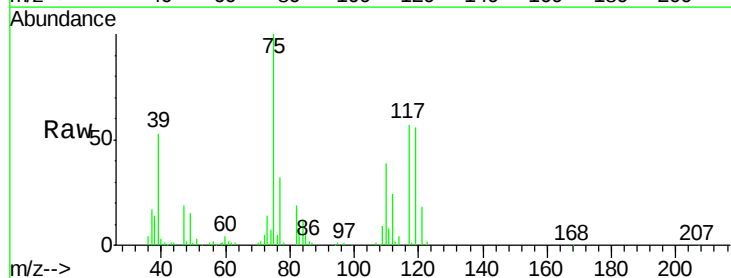
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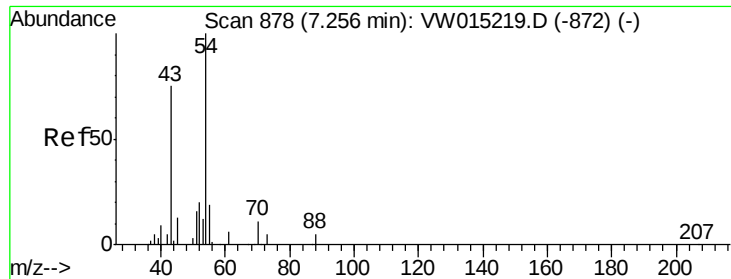
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#36
 1,1-Dichloropropene
 Concen: 20.500 ug/l
 RT: 8.09 min Scan# 1014
 Delta R.T. 0.00 min
 Lab File: VW015279.D
 Acq: 21 Apr 2020 23:23

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	56376		
110	37.2	18.2	54.6	
77	32.0	24.5	36.7	





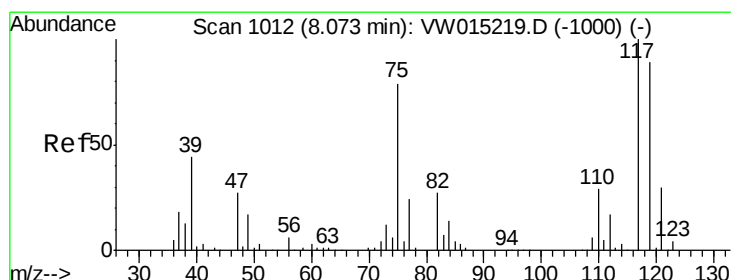
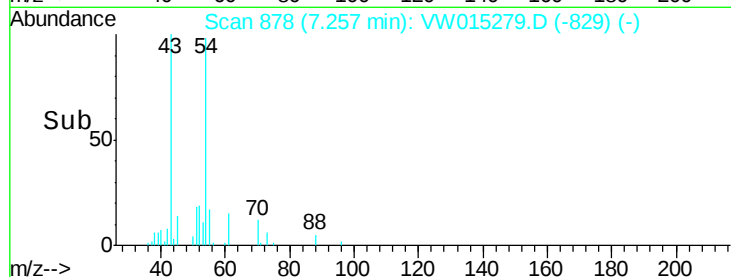
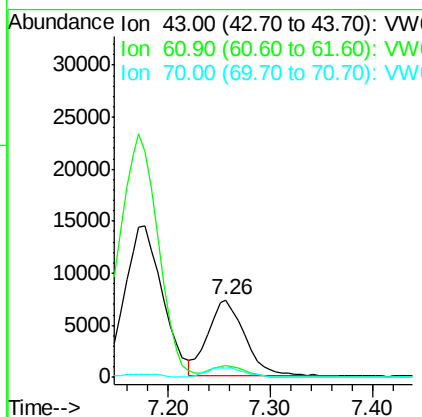
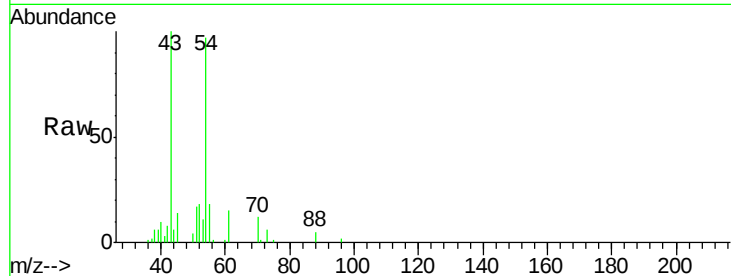
#37
Ethyl Acetate
Concen: 20.805 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.00 min
Lab File: VW015279.D
Acq: 21 Apr 2020 23:23

Instrument :
MSVOA_W
ClientSampleId :
VW0421SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.5	11.9	17.9
70	13.2	8.8	13.2

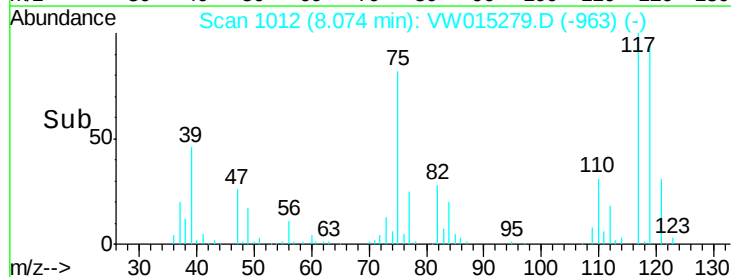
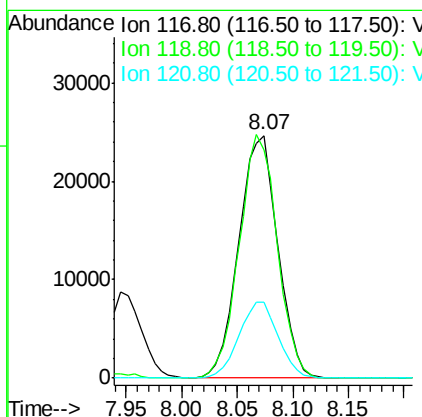
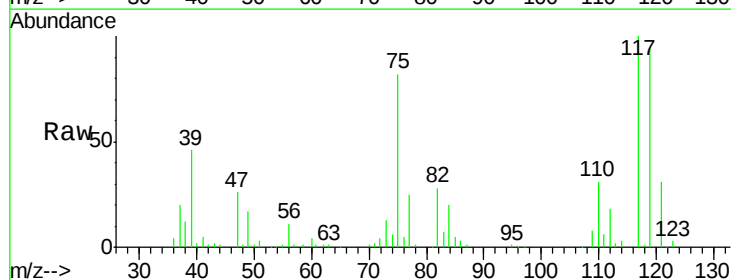
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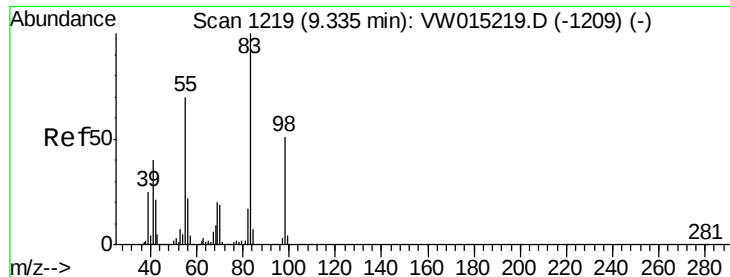
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#38
Carbon Tetrachloride
Concen: 19.962 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VW015279.D
Acq: 21 Apr 2020 23:23

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.2	72.3	108.5
121	31.5	23.7	35.5





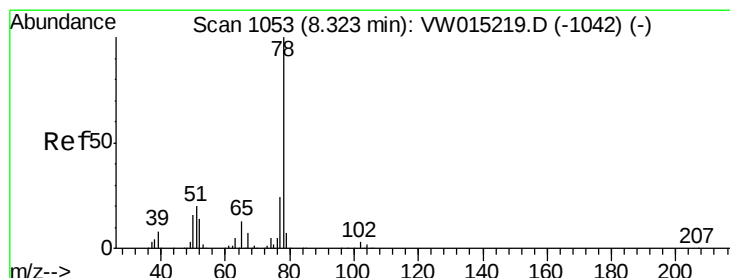
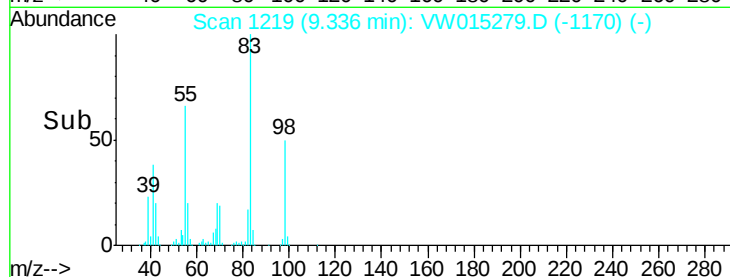
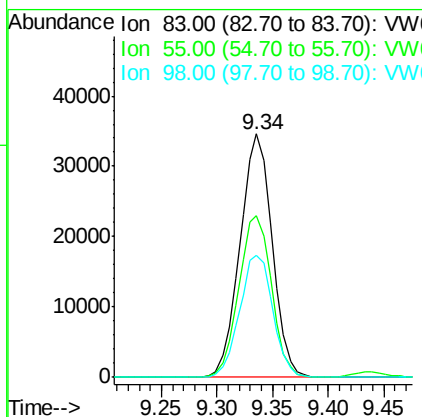
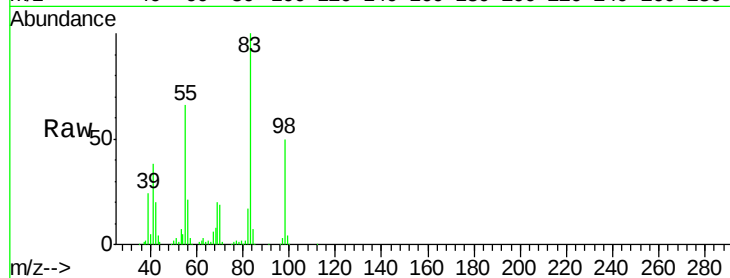
#39
Methvlcvclohexane
Concen: 18.950 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW015279.D
Acq: 21 Apr 2020 23:23

Instrument :
MSVOA_W
ClientSampleId :
VW0421SBSD02

Tot Ion	Ratio	Lower	Upper
83	100		
55	66.1	58.1	87.1
98	50.2	40.2	60.4

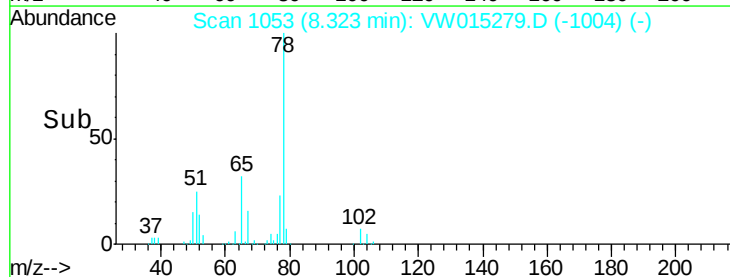
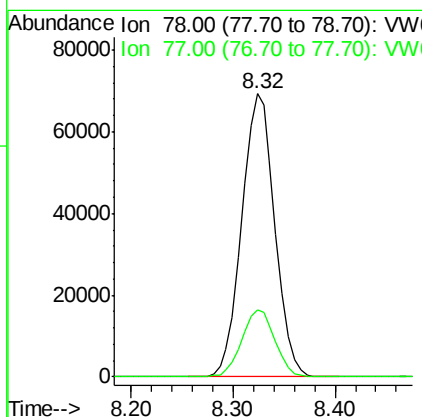
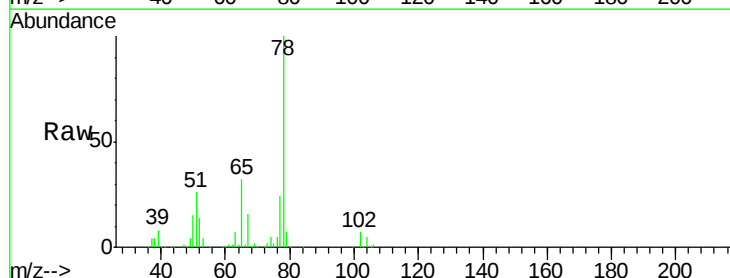
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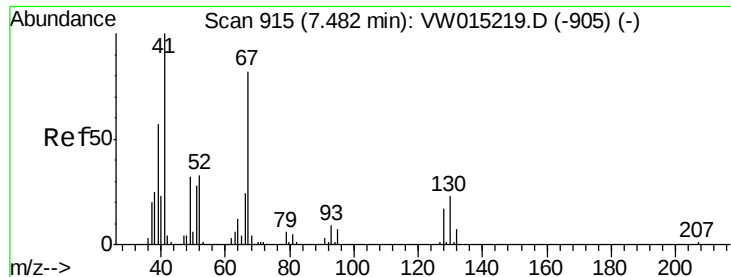
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#40
Benzene
Concen: 21.127 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW015279.D
Acq: 21 Apr 2020 23:23

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.2	27.2





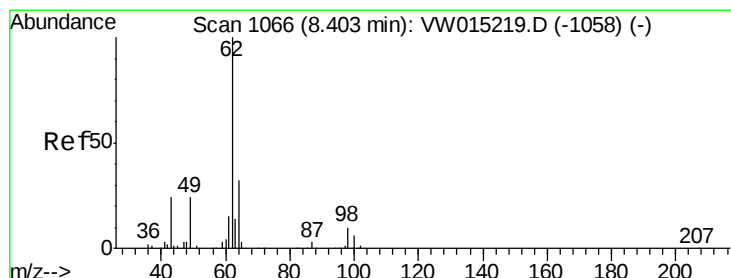
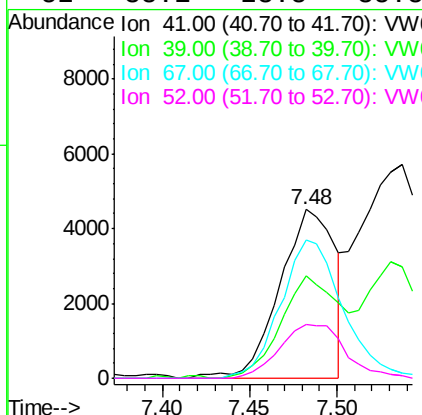
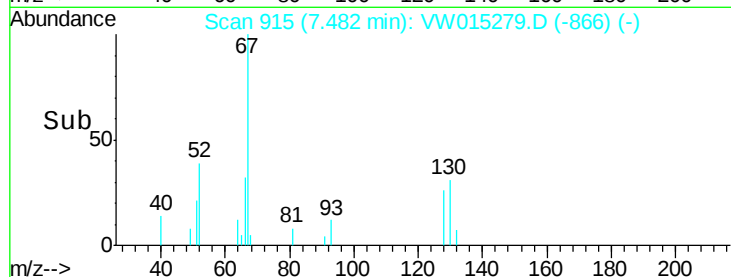
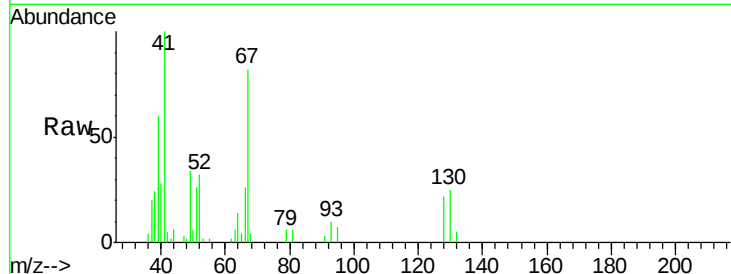
#41
Methacrylonitrile
Concen: 18.394 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW015279.D
Acq: 21 Apr 2020 23:23

Instrument :
MSVOA_W
ClientSampleId :
VW0421SBS02

Tot Ion	Ratio	Lower	Upper
41	100		
39	64.8	41.9	62.9#
67	92.7	60.6	91.0#
52	38.1	23.8	35.8#

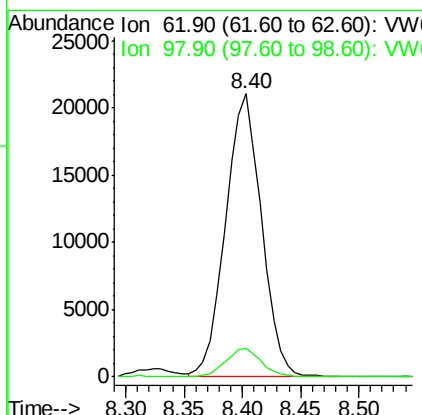
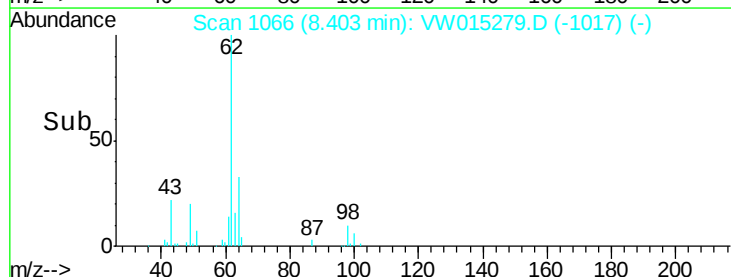
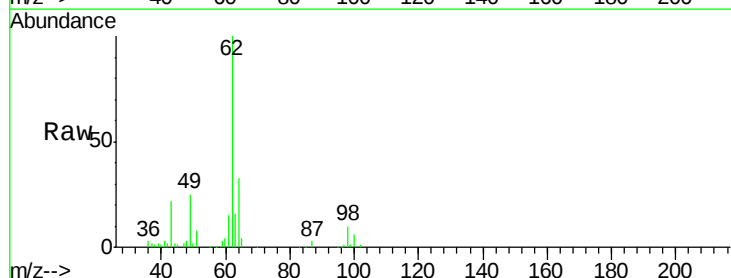
Manual Integrations
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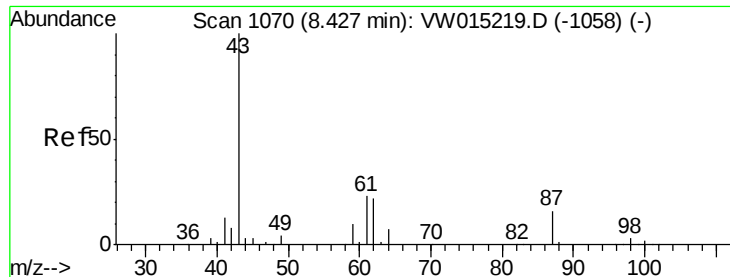
MMDadoda
4/22/2020 11:41:52 AM



#42
1,2-Dichloroethane
Concen: 20.893 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW015279.D
Acq: 21 Apr 2020 23:23

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	20.4





#43

Isopropyl Acetate

Concen: 20.194 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW015279.D

Acq: 21 Apr 2020 23:23

Instrument :

MSVOA_W

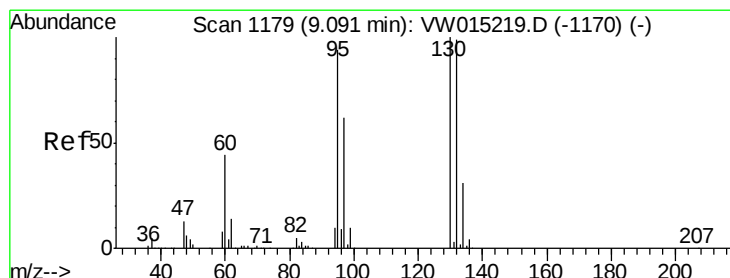
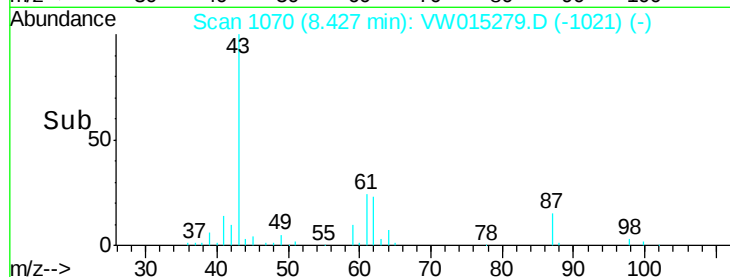
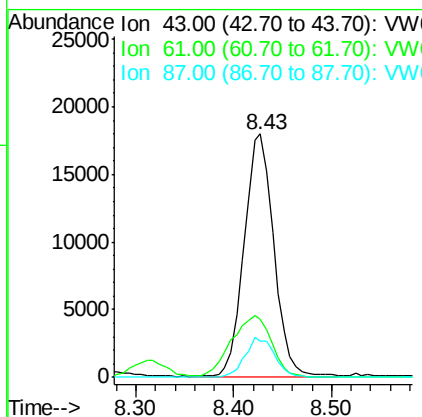
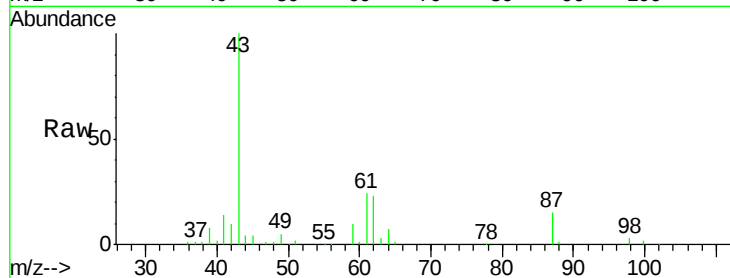
ClientSampleId :

VW0421SBS02

Tot Ion:	43	Resp:	37800
Ion	Ratio	Lower	Upper
43	100		
61	34.6	24.8	37.2
87	16.3	11.4	17.2

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#44

Trichloroethene

Concen: 22.144 ug/l

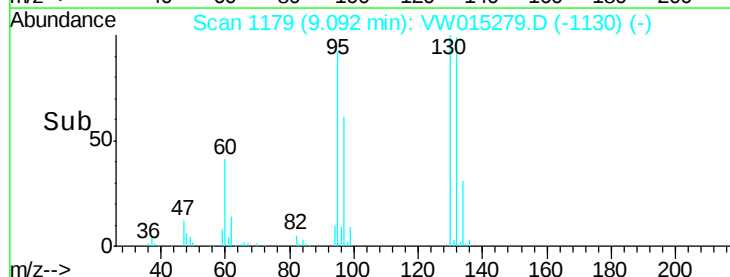
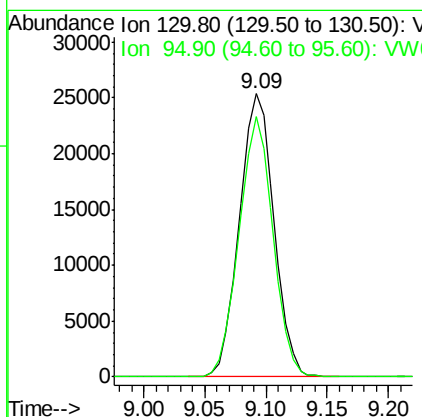
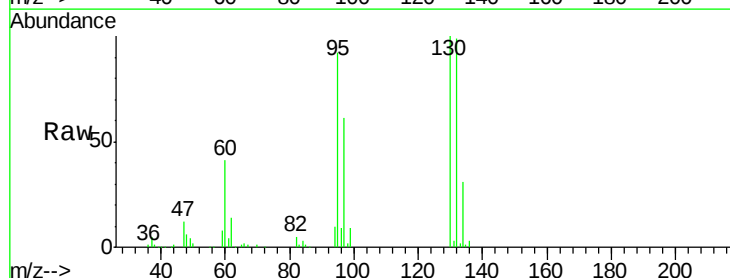
RT: 9.09 min Scan# 1179

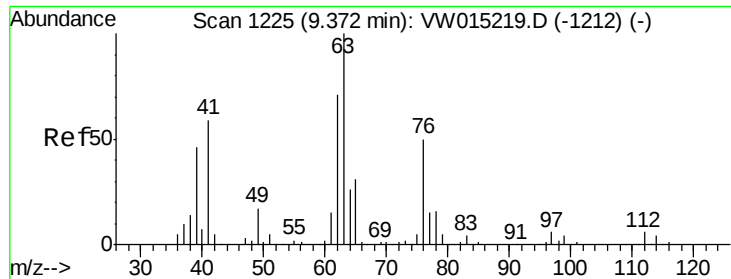
Delta R.T. 0.00 min

Lab File: VW015279.D

Acq: 21 Apr 2020 23:23

Tgt Ion:	130	Resp:	49757
Ion	Ratio	Lower	Upper
130	100		
95	92.1	0.0	196.4





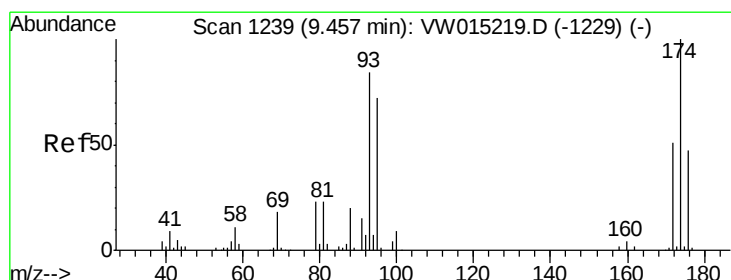
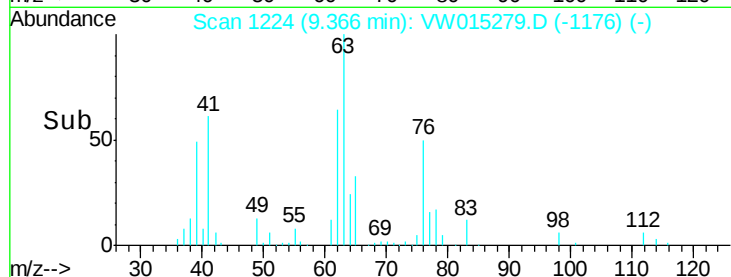
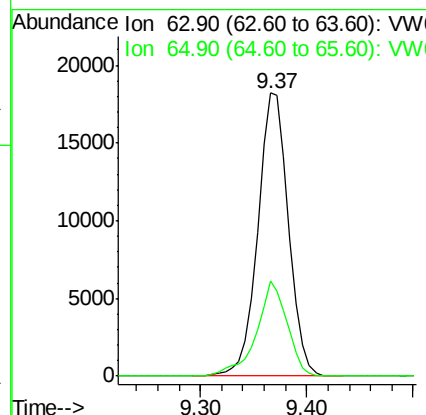
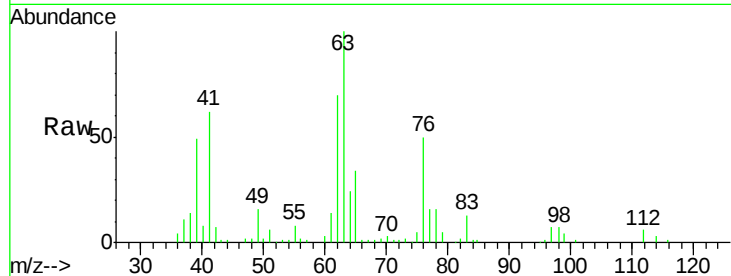
#45
 1,2-Dichloropropane
 Concen: 21.460 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.01 min
 Lab File: VW015279.D
 Acq: 21 Apr 2020 23:23

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0421SBS02

Tot Ion	Ratio	Lower	Upper
63	100		
65	33.7	25.5	38.3

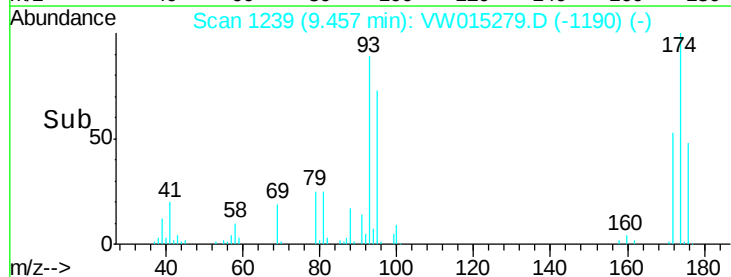
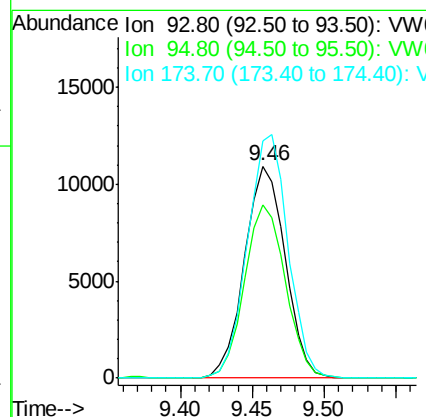
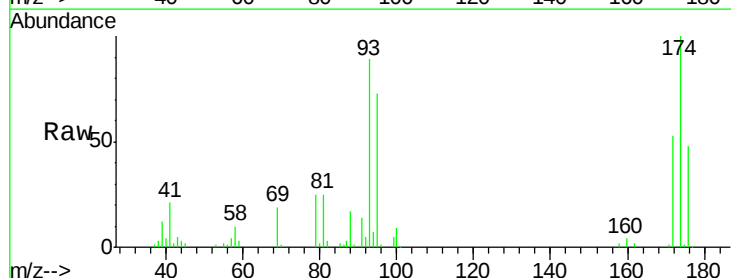
Manual Integrations
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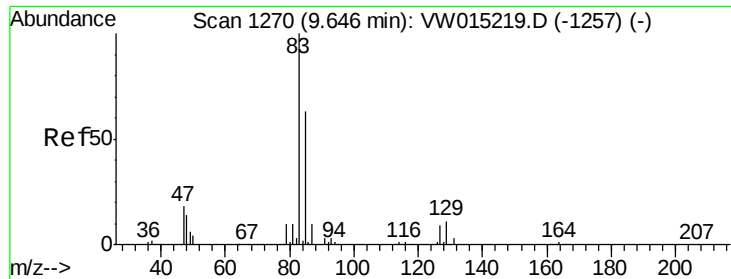
MMDadoda
 4/22/2020 11:41:52 AM



#46
 Dibromomethane
 Concen: 21.614 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW015279.D
 Acq: 21 Apr 2020 23:23

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.3	67.5	101.3
174	114.6	74.1	111.1#





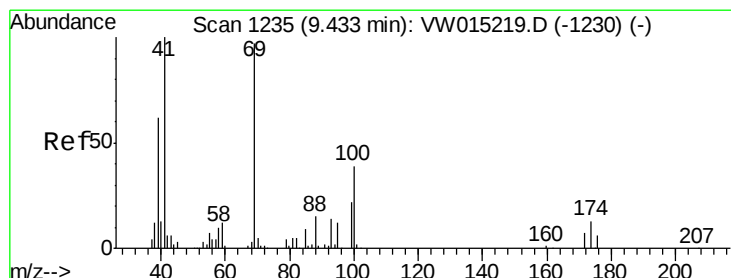
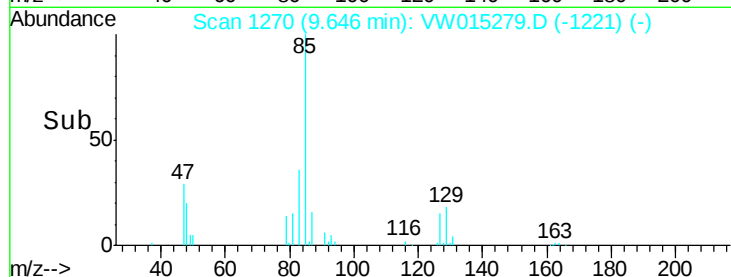
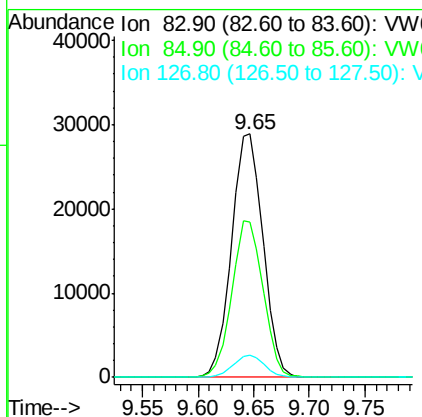
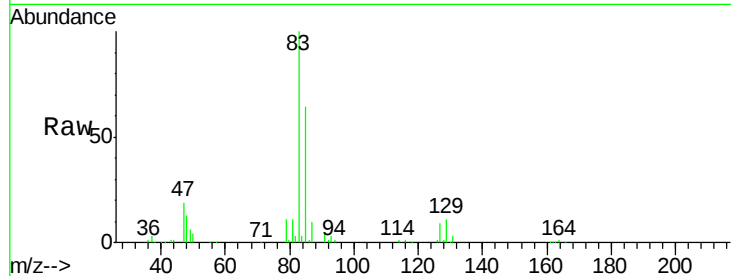
#47
Bromodichloromethane
Concen: 21.403 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VW015279.D
Acq: 21 Apr 2020 23:23

Instrument :
MSVOA_W
ClientSampleId :
VW0421SBS02

Tot Ion	83	Resp	56540
Ion Ratio	100	Lower	Upper
83	100		
85	64.0	50.6	76.0
127	9.4	6.7	10.1

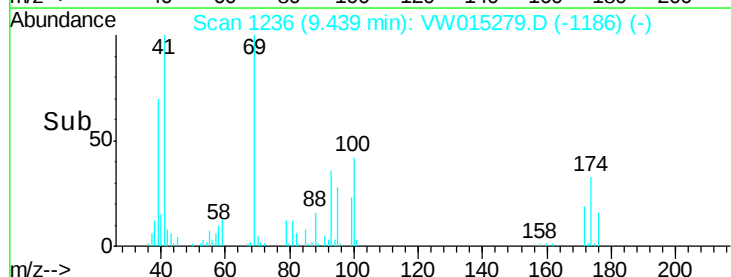
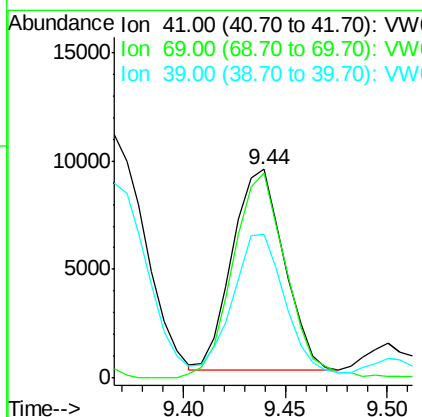
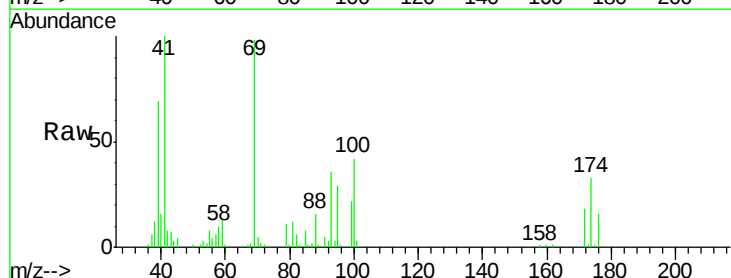
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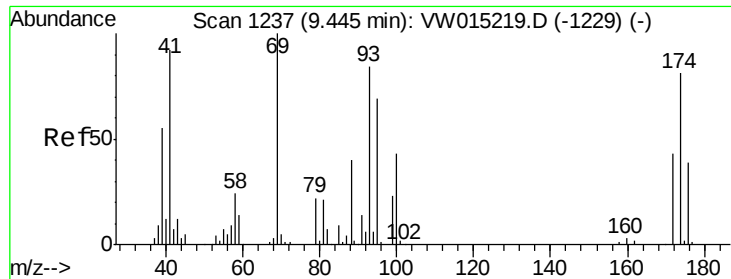
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#48
Methyl methacrylate
Concen: 18.423 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.01 min
Lab File: VW015279.D
Acq: 21 Apr 2020 23:23

Tgt Ion	41	Resp	16302
Ion Ratio	100	Lower	Upper
41	100		
69	106.3	70.6	105.8#
39	68.3	42.6	64.0#





#49

1,4-Dioxane

Concen: 364.512 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. 0.01 min

Lab File: VW015279.D

Acq: 21 Apr 2020 23:23

Instrument :

MSVOA_W

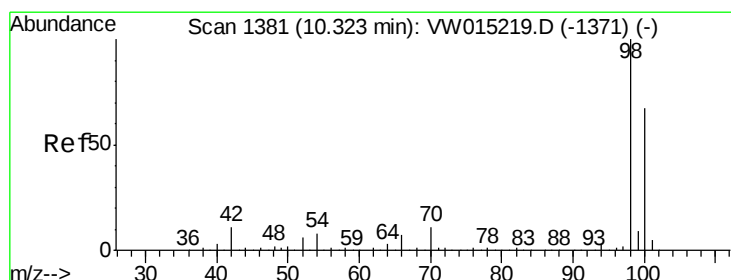
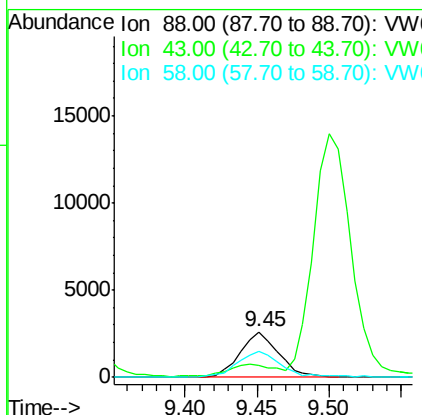
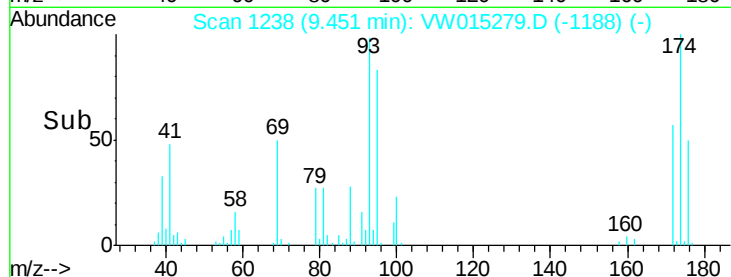
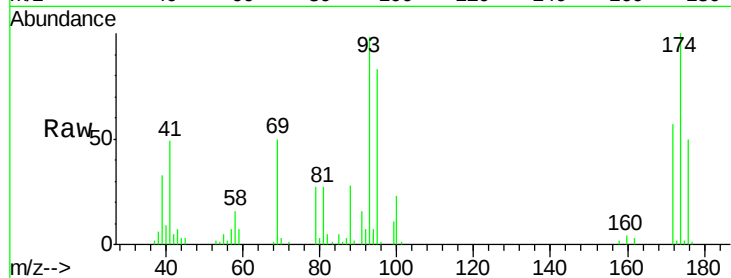
ClientSampleId :

VW0421SBSD02

Tot Ion:	88	Resp:	4802
Ion	Ratio	Lower	Upper
88	100		
43	32.5	23.5	35.3
58	66.1	55.4	83.2

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#50

Toluene-d8

Concen: 52.558 ug/l

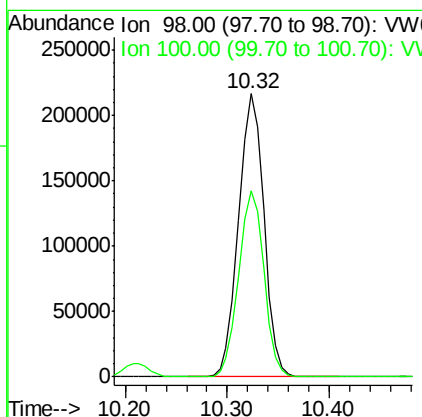
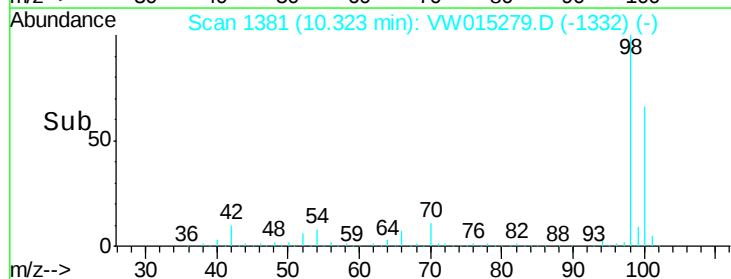
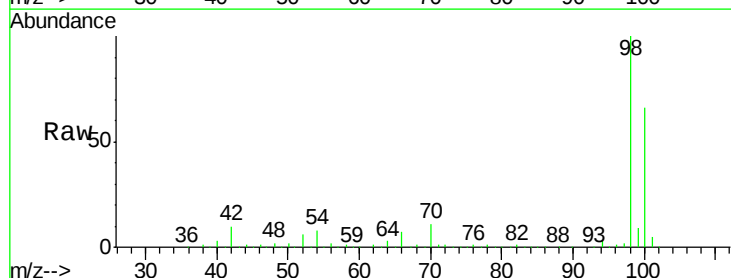
RT: 10.32 min Scan# 1381

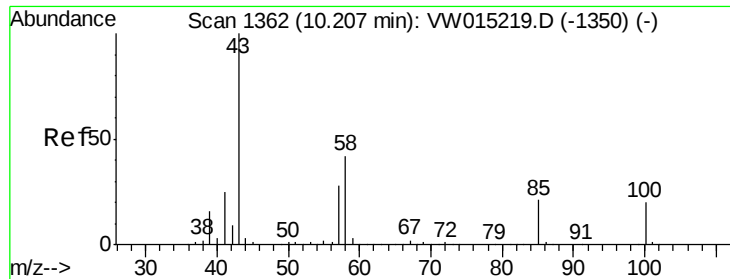
Delta R.T. 0.00 min

Lab File: VW015279.D

Acq: 21 Apr 2020 23:23

Tgt Ion:	98	Resp:	373148
Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 100.570 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW015279.D

Acq: 21 Apr 2020 23:23

Instrument :

MSVOA_W

ClientSampleId :

VW0421SBS02

Tot Ion: 43 Resp: 88371

Ion Ratio Lower Upper

43 100

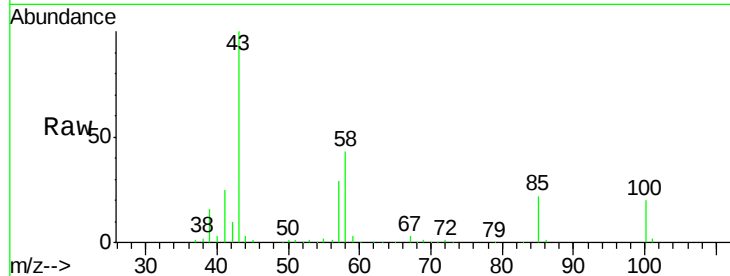
58 42.0 32.3 48.5

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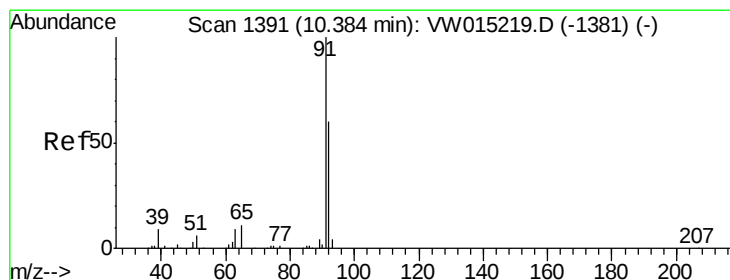
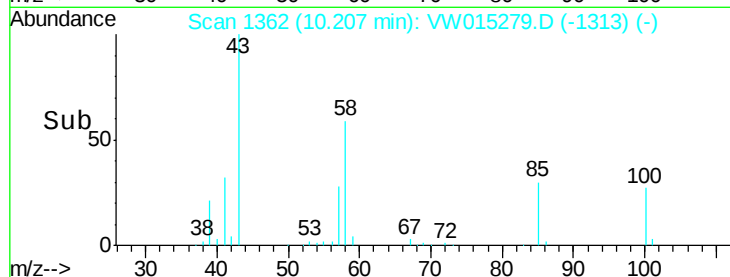
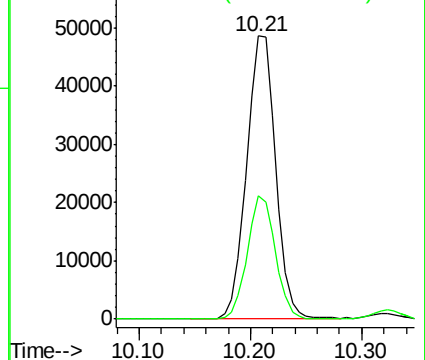
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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 20.611 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW015279.D

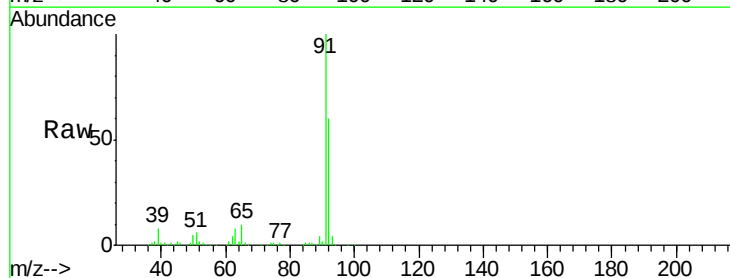
Acq: 21 Apr 2020 23:23

Tgt Ion: 92 Resp: 105964

Ion Ratio Lower Upper

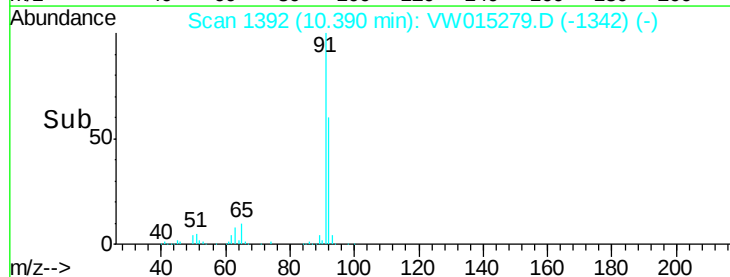
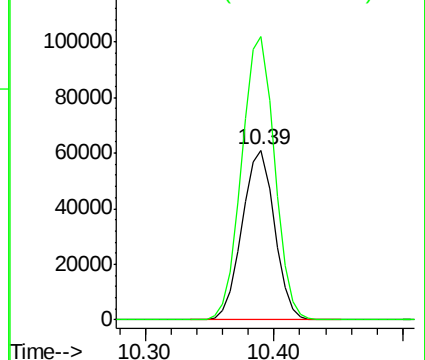
92 100

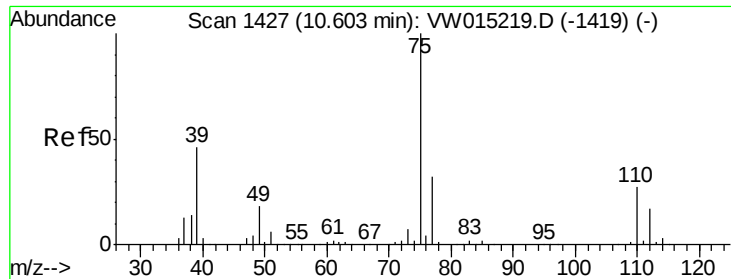
91 169.4 137.1 205.7



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





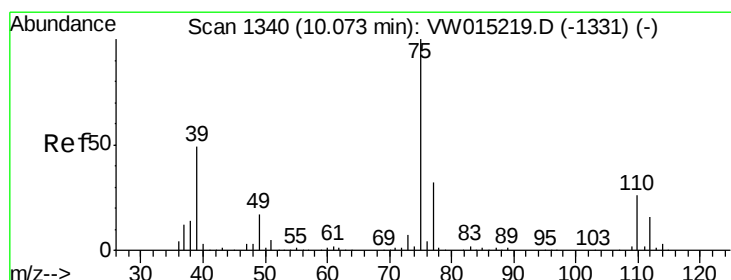
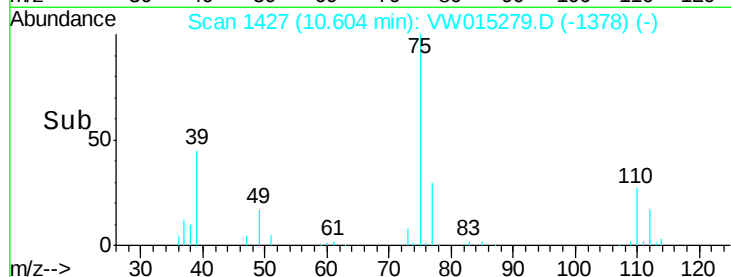
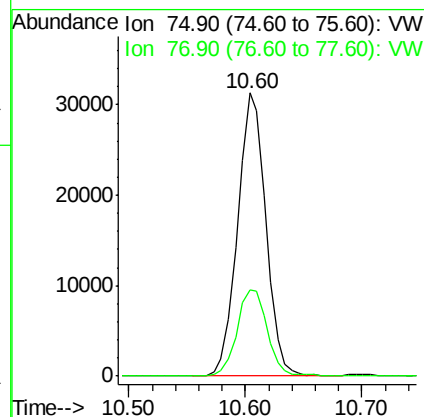
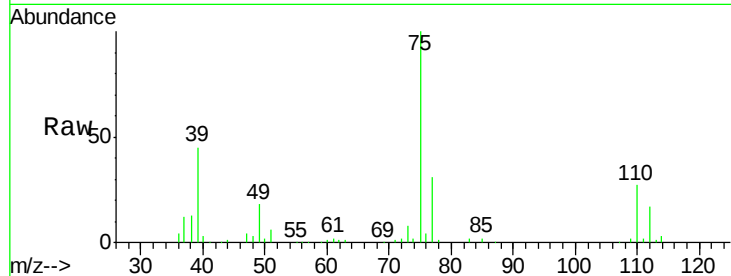
#53
 t-1,3-Dichloropropene
 Concen: 20.311 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. 0.00 min
 Lab File: VW015279.D
 Acq: 21 Apr 2020 23:23

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0421SBS02

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.3	25.5	38.3

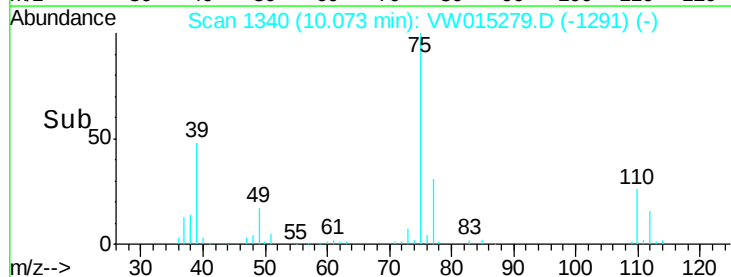
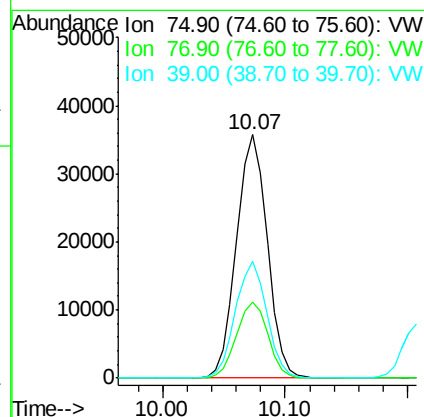
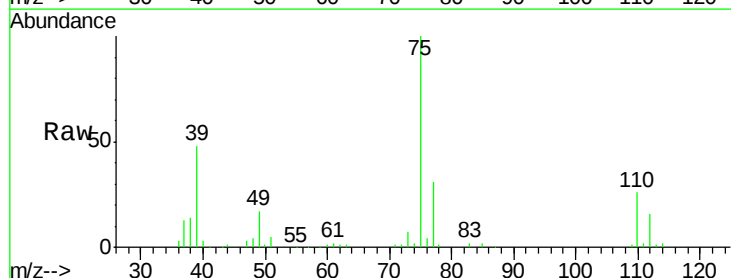
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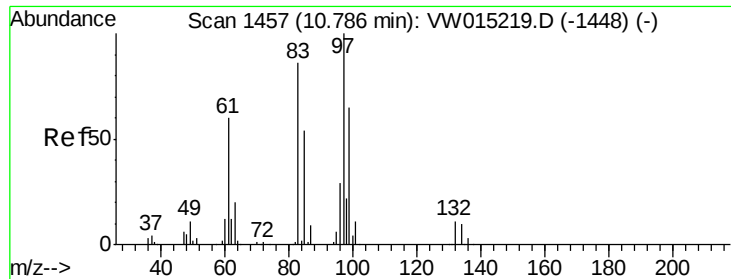
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#54
 cis-1,3-Dichloropropene
 Concen: 20.602 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW015279.D
 Acq: 21 Apr 2020 23:23

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.1	26.6	39.8
39	47.9	37.8	56.6





#55

1,1,2-Trichloroethane

Concen: 21.377 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW015279.D

Acq: 21 Apr 2020 23:23

Instrument :

MSVOA_W

ClientSampleId :

VW0421SBSD02

Tot Ion: 97 Resp: 29580

Ion Ratio Lower Upper

97 100

83 79.6 67.3 100.9

85 53.1 43.8 65.8

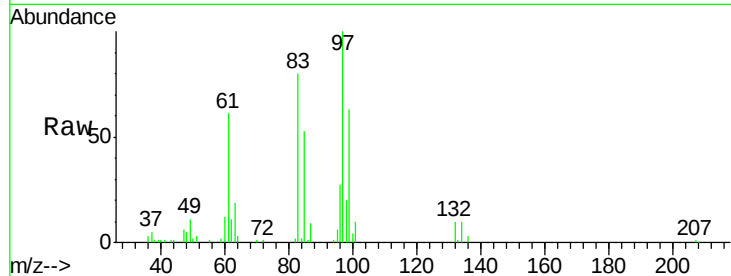
99 63.4 51.4 77.0

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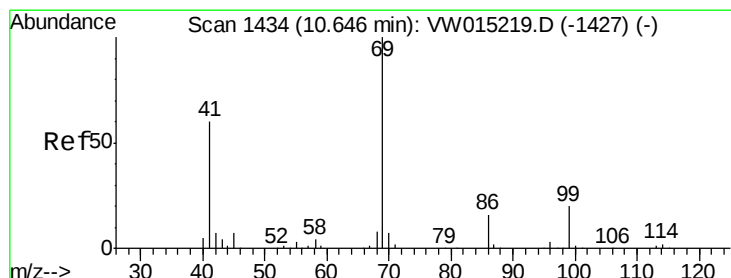
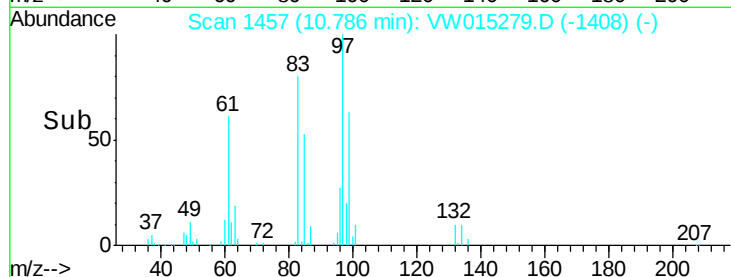
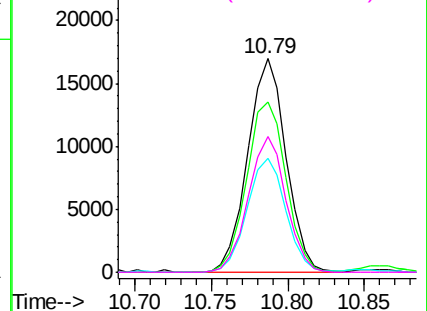
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 19.925 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW015279.D

Acq: 21 Apr 2020 23:23

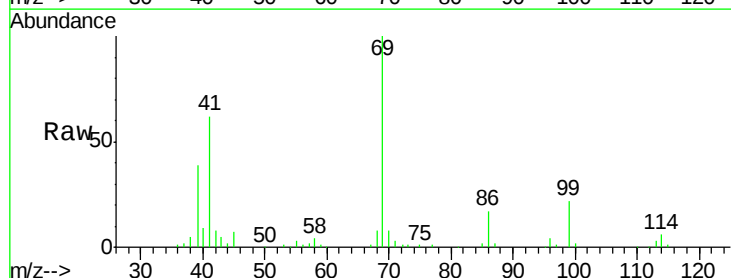
Tgt Ion: 69 Resp: 35519

Ion Ratio Lower Upper

69 100

41 58.5 51.3 76.9

39 36.0 24.6 37.0

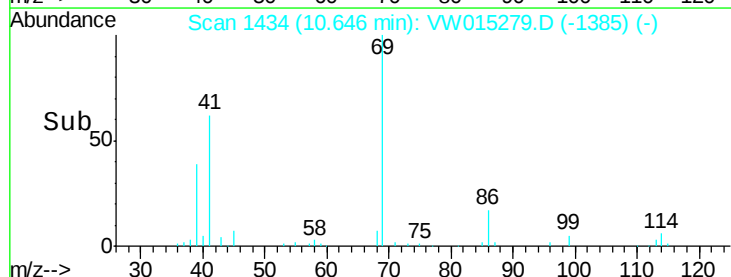
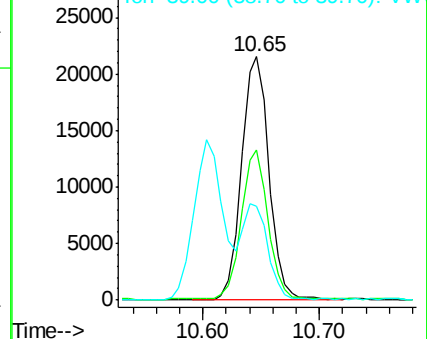


Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





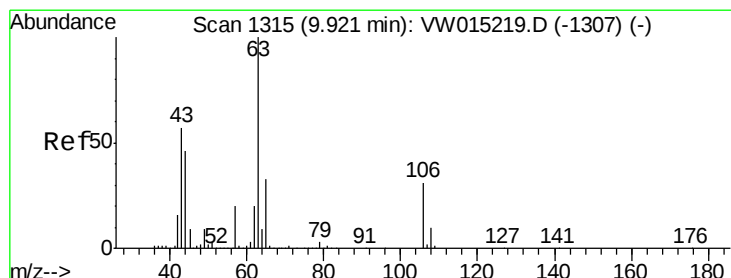
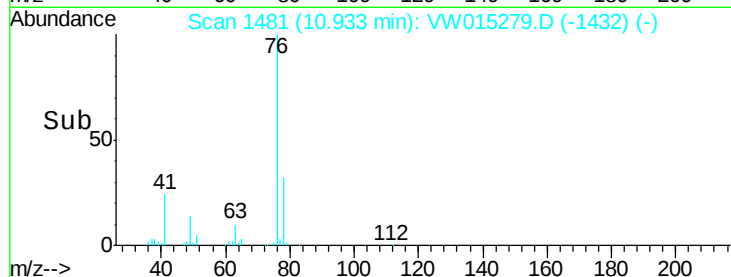
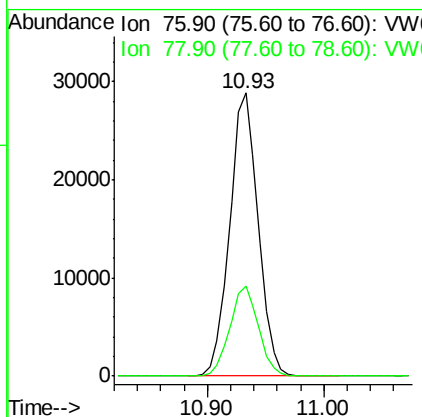
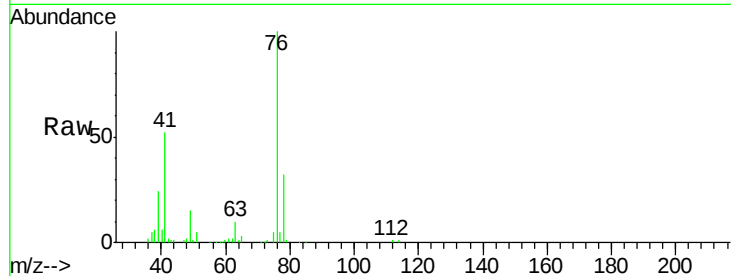
#57
 1,3-Dichloropropane
 Concen: 21.312 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW015279.D
 Acq: 21 Apr 2020 23:23

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0421SBS02

Tot Ion: 76 Resp: 48851
 Ion Ratio Lower Upper
 76 100
 78 32.0 26.2 39.4

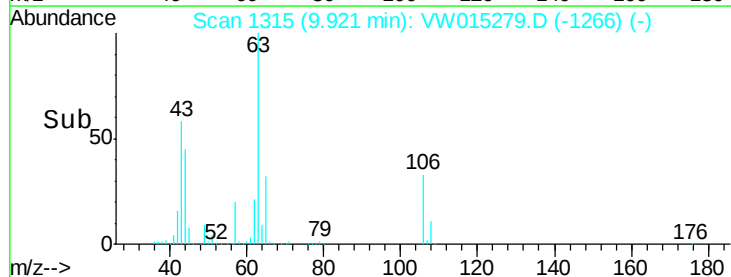
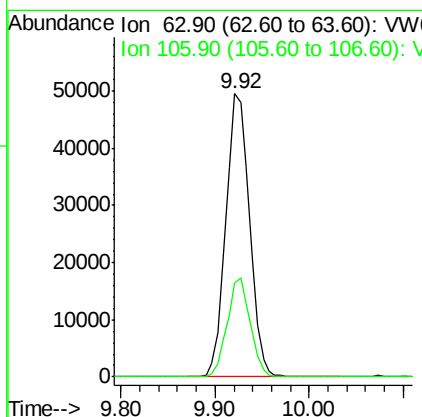
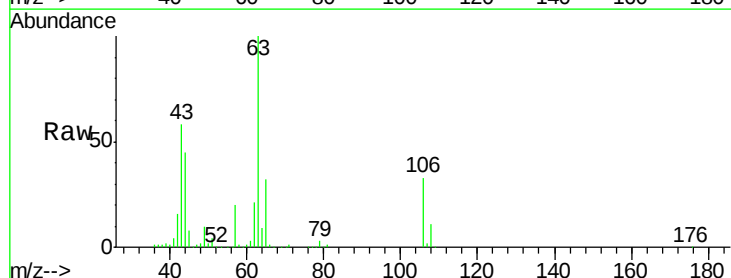
Manual Integrations
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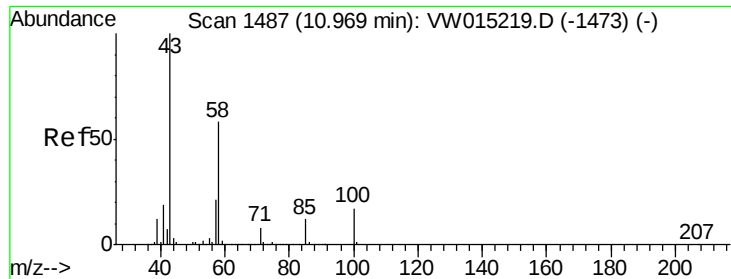
MMDadoda
 4/22/2020 11:41:52 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 104.898 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW015279.D
 Acq: 21 Apr 2020 23:23

Tgt Ion: 63 Resp: 86692
 Ion Ratio Lower Upper
 63 100
 106 33.8 22.6 33.8





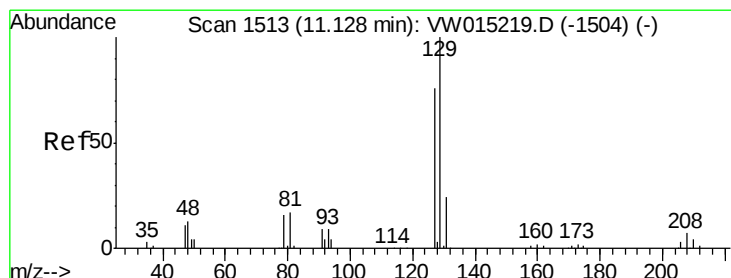
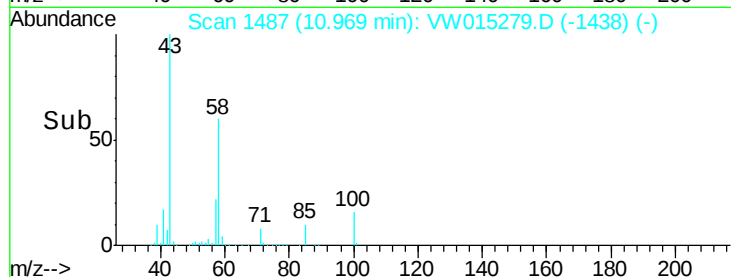
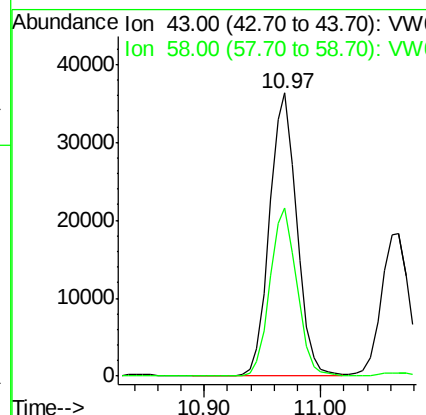
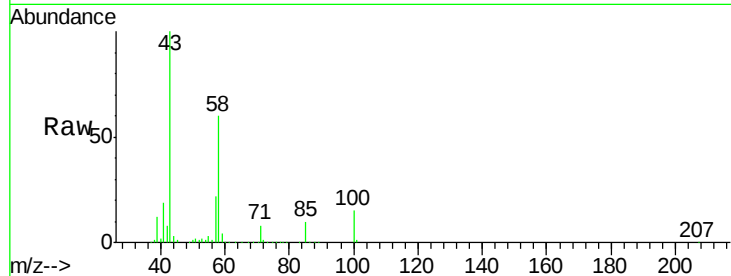
#59
2-Hexanone
Concen: 92.948 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW015279.D
Acq: 21 Apr 2020 23:23

Instrument :
MSVOA_W
ClientSampleId :
VW0421SBS02

Tot Ion	43	Resp	58302
Ion Ratio	100	Lower	Upper
43	100		
58	58.8	28.1	84.3

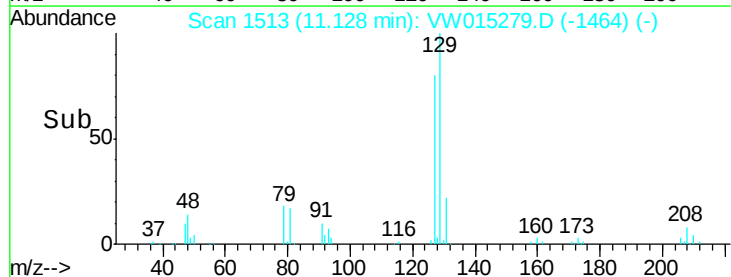
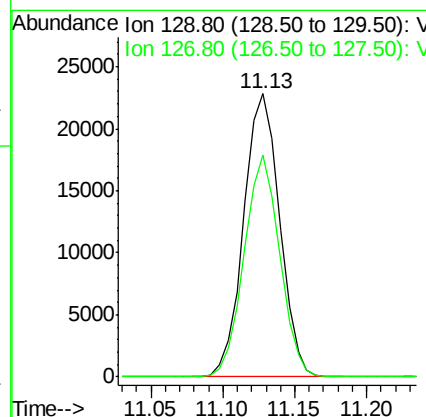
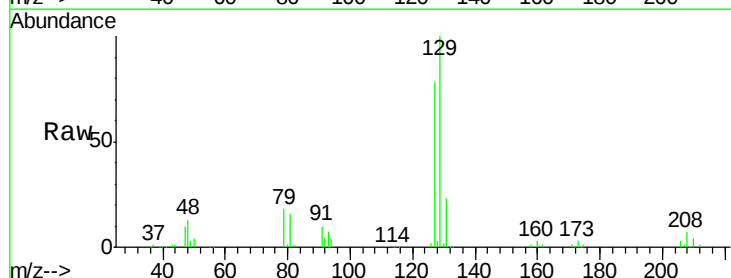
Manual Integrations
APPROVED

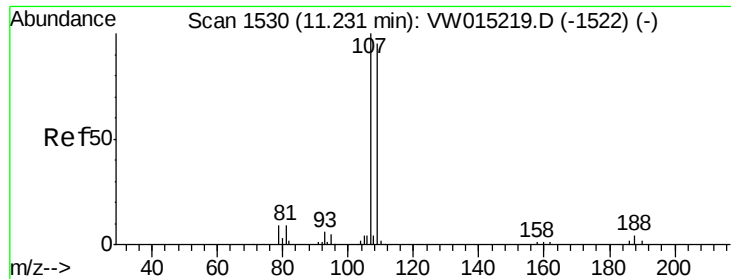
MMDadoda
4/22/2020 11:41:52 AM



#60
Dibromochloromethane
Concen: 21.658 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW015279.D
Acq: 21 Apr 2020 23:23

Tgt Ion	129	Resp	39570
Ion Ratio	100	Lower	Upper
129	100		
127	77.3	38.3	114.8





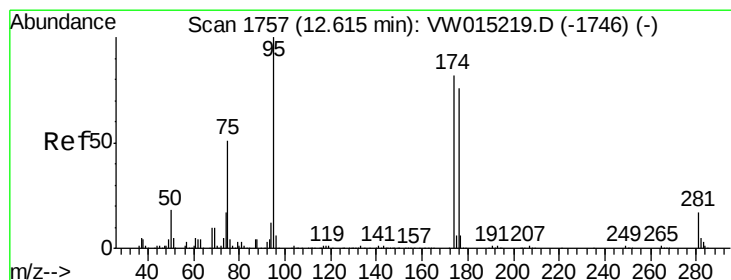
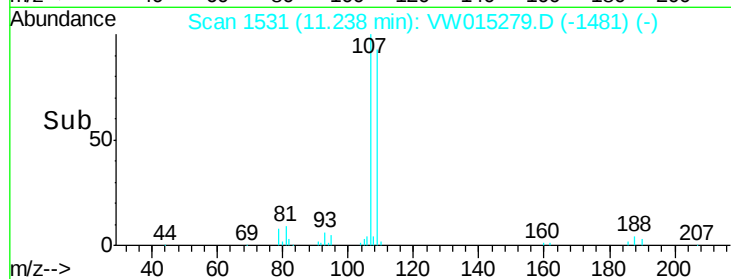
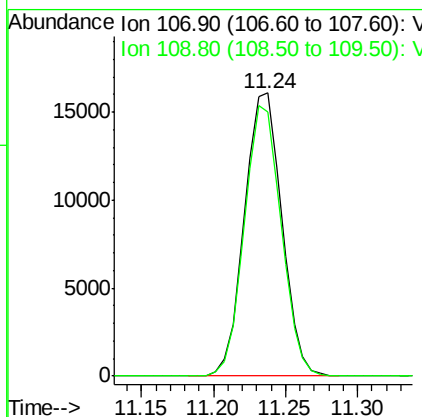
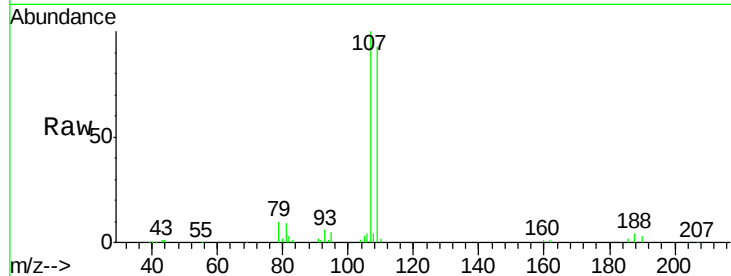
#61
 1,2-Dibromoethane
 Concen: 21.397 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.01 min
 Lab File: VW015279.D
 Acq: 21 Apr 2020 23:23

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0421SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
107	100	28891		
109	94.3	74.3	111.5	

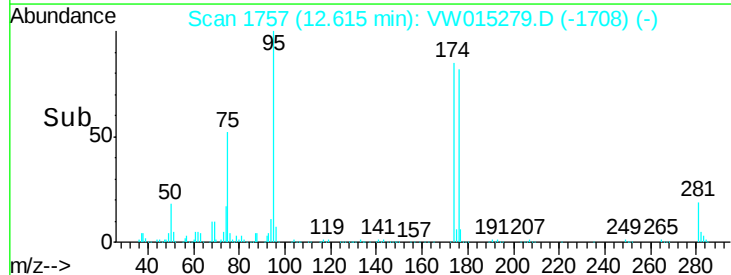
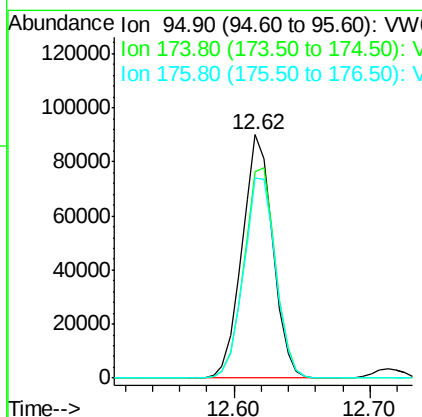
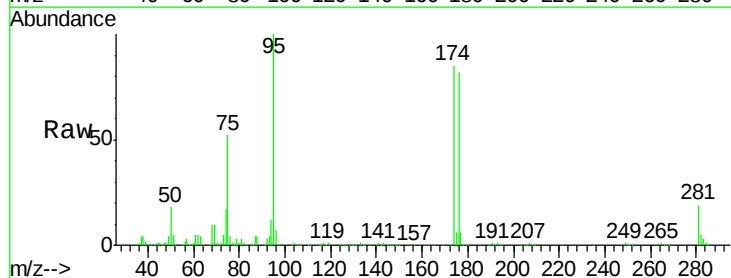
Manual Integrations
 APPROVED

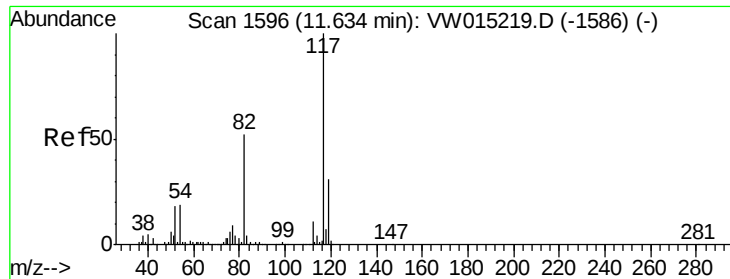
MMDadoda
 4/22/2020 11:41:52 AM



#62
 4-Bromofluorobenzene
 Concen: 52.293 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW015279.D
 Acq: 21 Apr 2020 23:23

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	141657		
174	89.2	0.0	144.4	
176	86.1	0.0	140.6	





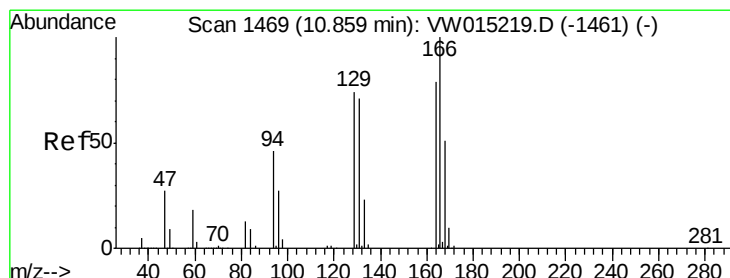
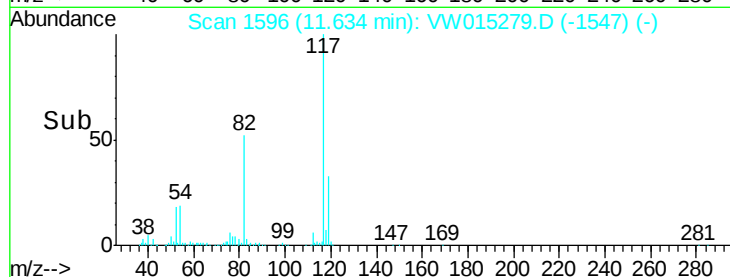
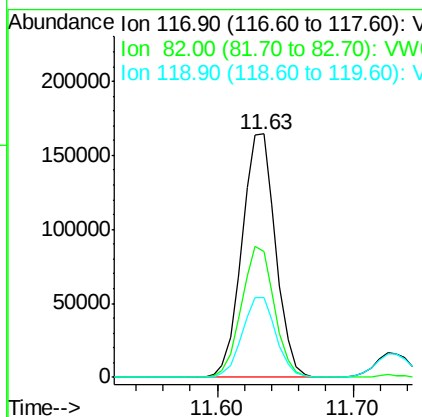
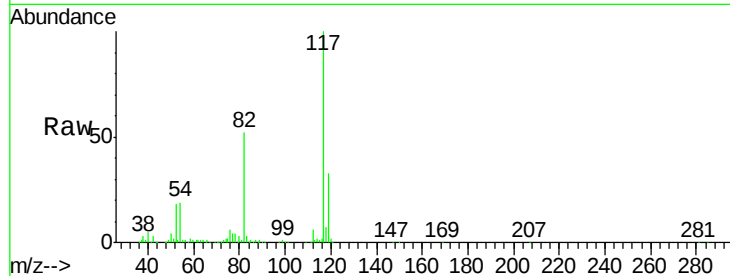
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW015279.D
Acq: 21 Apr 2020 23:23

Instrument :
MSVOA_W
ClientSampleId :
VW0421SBS02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	283880		
82	51.8		44.1	66.1
119	32.5		24.9	37.3

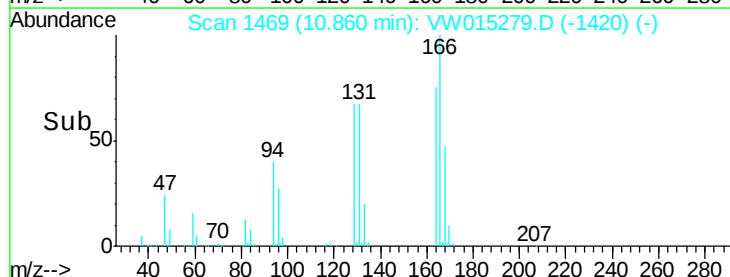
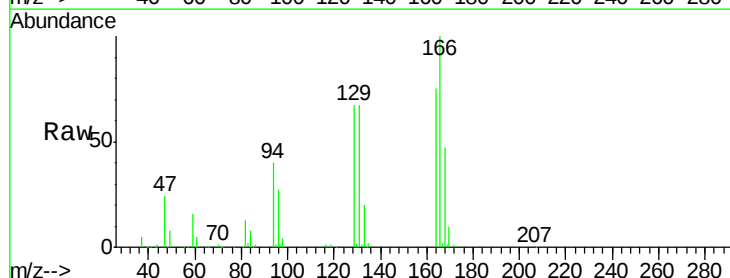
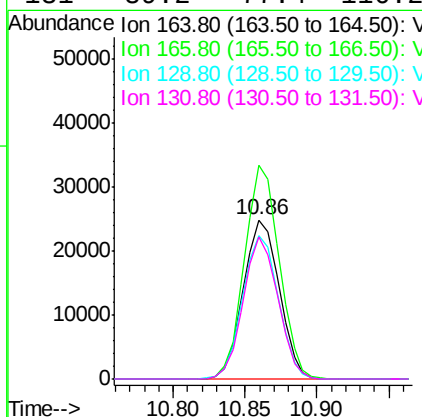
Manual Integrations
APPROVED

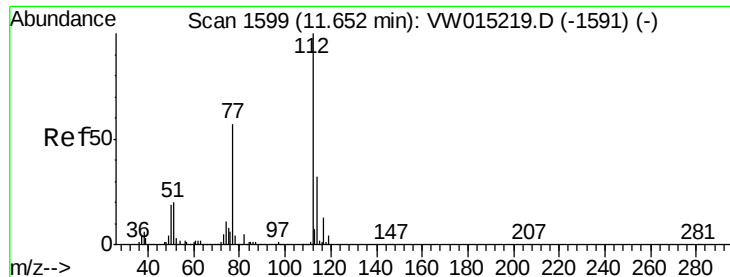
MMDadoda
4/22/2020 11:41:52 AM



#64
Tetrachloroethene
Concen: 21.175 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW015279.D
Acq: 21 Apr 2020 23:23

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	42902		
166	134.1		102.6	154.0
129	90.3		80.2	120.2
131	89.2		77.4	116.2





#65

Chlorobenzene

Concen: 20.856 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.01 min

Lab File: VW015279.D

Acq: 21 Apr 2020 23:23

Instrument :

MSVOA_W

ClientSampleId :

VW0421SBS02

Tot Ion:112 Resp: 116178

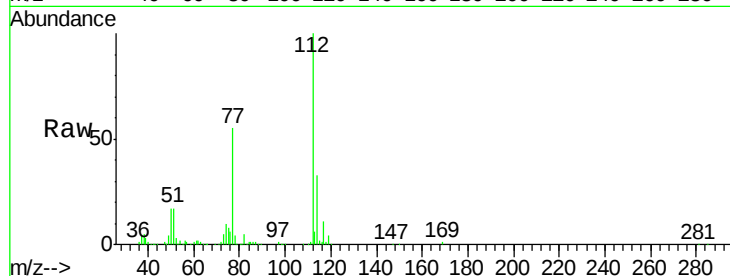
Ion Ratio Lower Upper

112 100

114 33.1 25.8 38.6

Manual Integrations
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MMDadoda
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.66

80000

60000

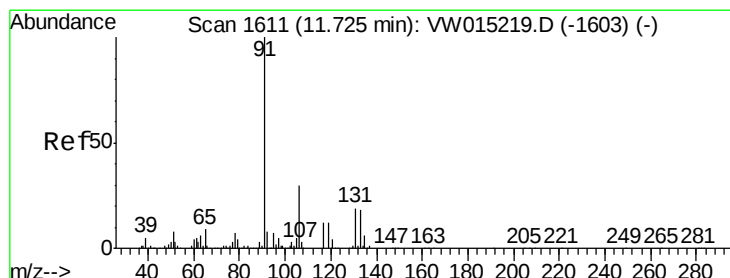
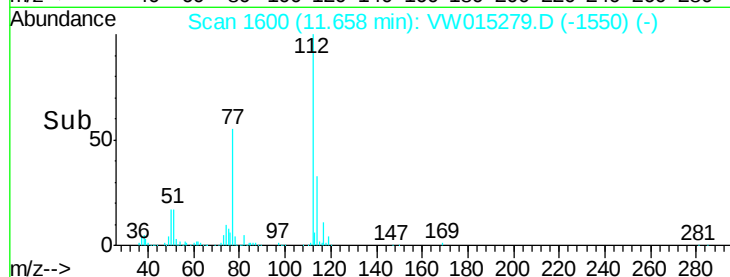
40000

20000

0

Time-->

11.60 11.70



#66

1,1,1,2-Tetrachloroethane

Concen: 22.345 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.01 min

Lab File: VW015279.D

Acq: 21 Apr 2020 23:23

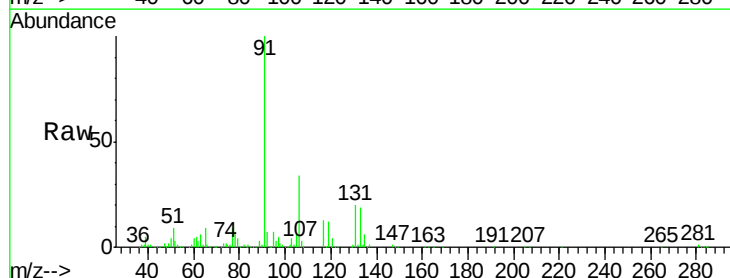
Tgt Ion:131 Resp: 44737

Ion Ratio Lower Upper

131 100

133 93.9 47.7 143.1

119 62.5 34.0 101.8



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

60000

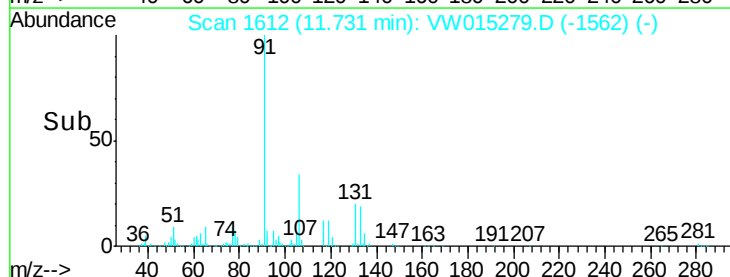
40000

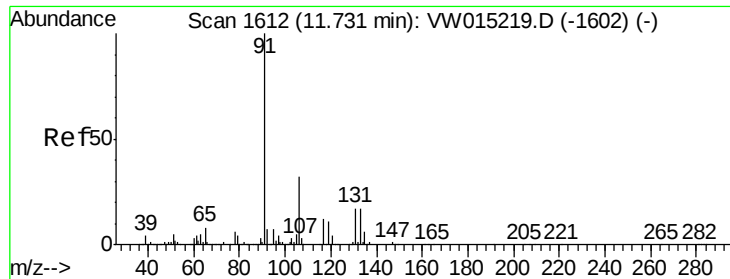
20000

0

Time-->

11.70 11.80





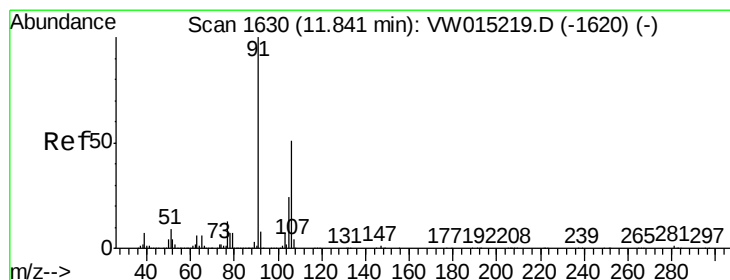
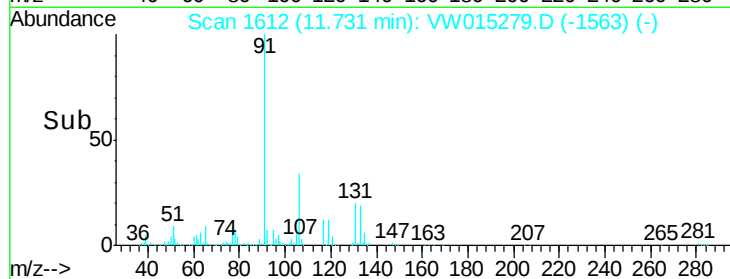
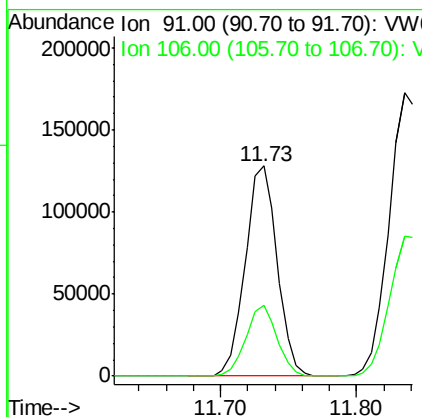
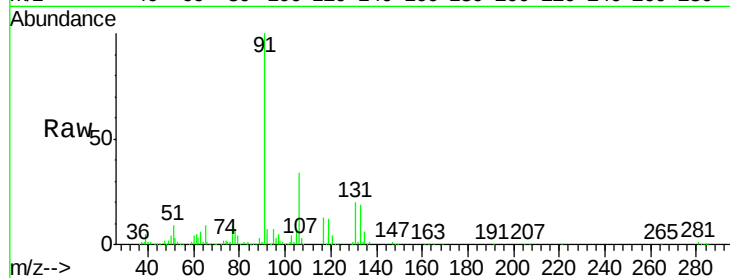
#67
Ethyl Benzene
Concen: 20.209 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW015279.D
Acq: 21 Apr 2020 23:23

Instrument :
MSVOA_W
ClientSampleId :
VW0421SBS02

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
106	33.7	25.7	38.5	

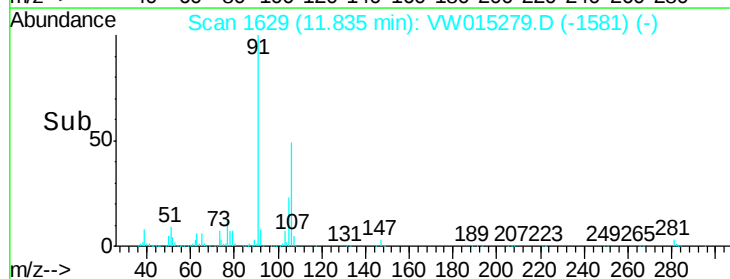
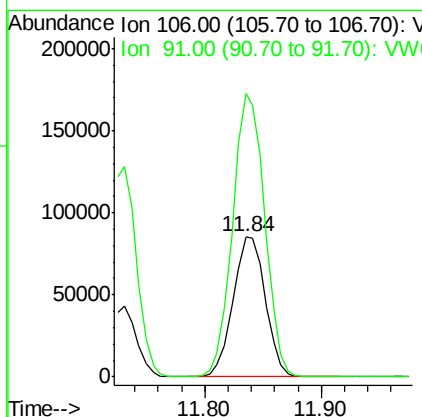
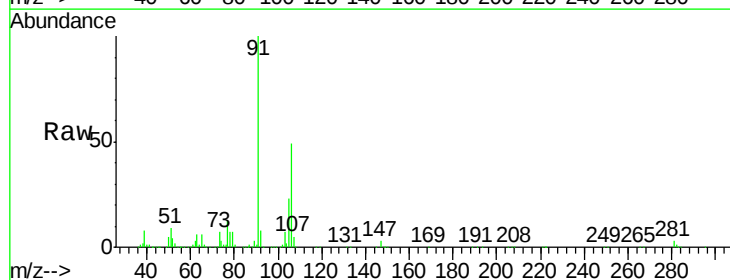
Manual Integrations
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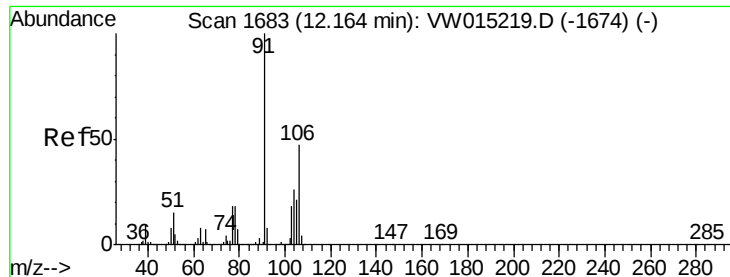
MMDadoda
4/22/2020 11:41:52 AM



#68
m/p-Xylenes
Concen: 40.375 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW015279.D
Acq: 21 Apr 2020 23:23

Tgt Ion	Ion	Ratio	Lower	Upper
106	100			
91	201.1	160.0	240.0	





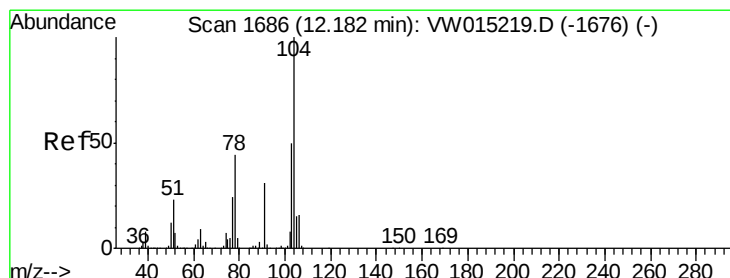
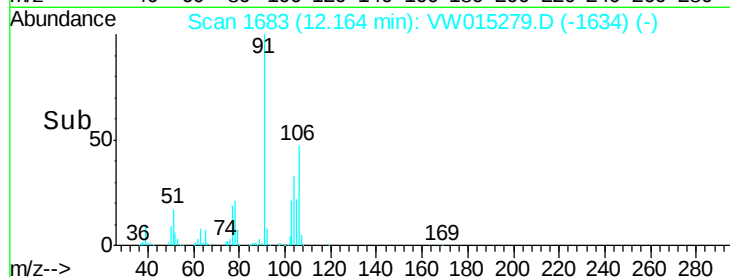
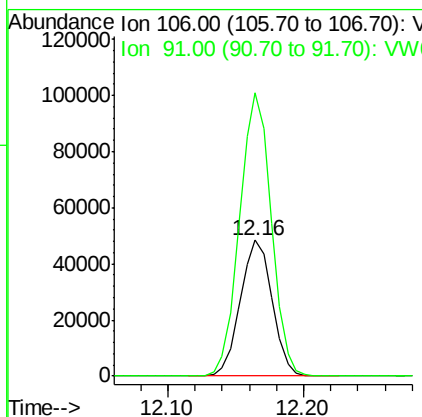
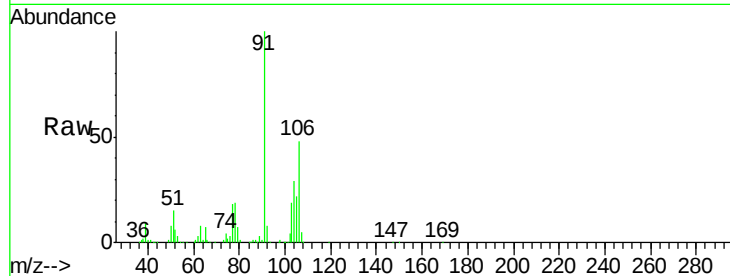
#69
o-Xylene
Concen: 20.871 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW015279.D
Acq: 21 Apr 2020 23:23

Instrument :
MSVOA_W
ClientSampleId :
VW0421SBS02

Tot Ion:106 Resp: 79327
Ion Ratio Lower Upper
106 100
91 206.8 105.7 317.1

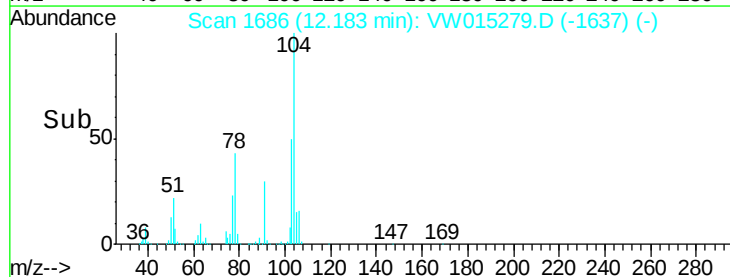
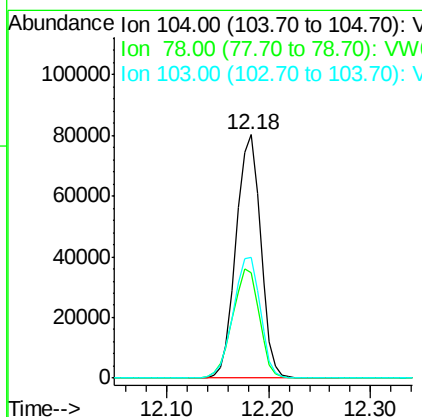
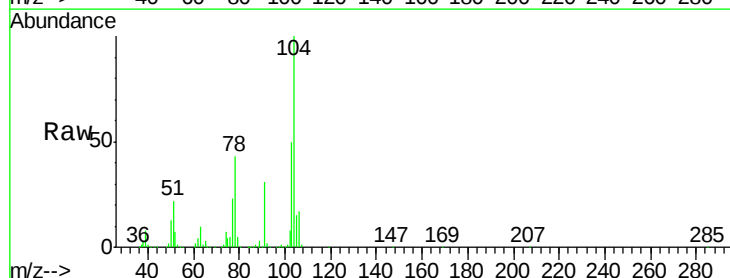
Manual Integrations
APPROVED

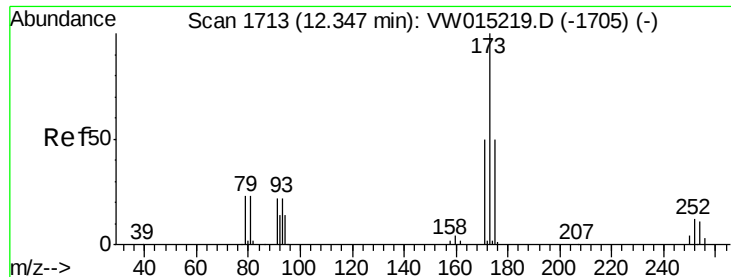
MMDadoda
4/22/2020 11:41:52 AM



#70
Styrene
Concen: 20.604 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW015279.D
Acq: 21 Apr 2020 23:23

Tgt Ion:104 Resp: 133484
Ion Ratio Lower Upper
104 100
78 49.0 39.8 59.6
103 54.6 43.8 65.6





#71

Bromoform

Concen: 21.512 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW015279.D

Acq: 21 Apr 2020 23:23

Instrument :

MSVOA_W

ClientSampleId :

VW0421SBSD02

Tot Ion:173 Resp: 24268

Ion Ratio Lower Upper

173 100

175 47.8 25.1 75.4

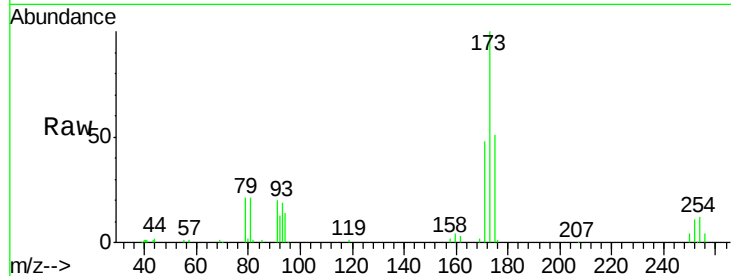
254 0.0 0.1 0.1#

Manual Integrations

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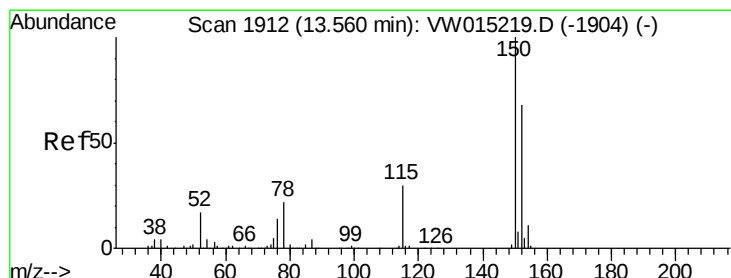
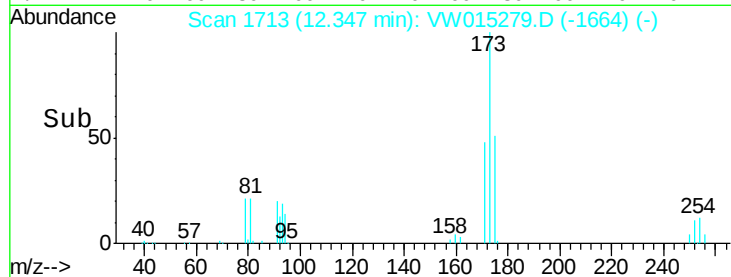
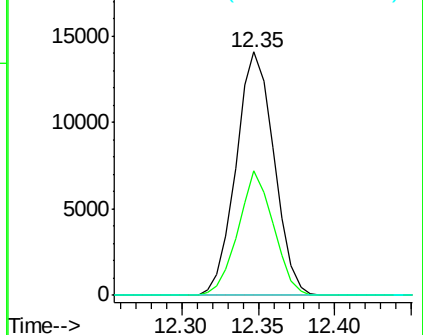
4/22/2020 11:41:52 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW015279.D

Acq: 21 Apr 2020 23:23

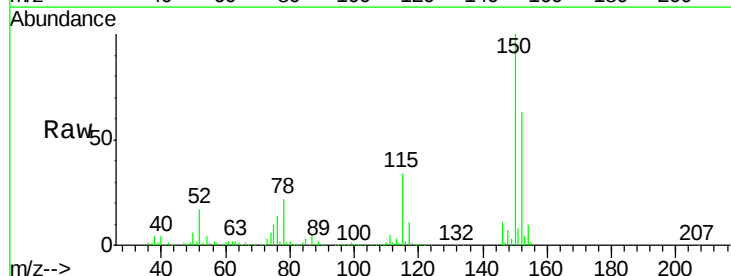
Tgt Ion:152 Resp: 155864

Ion Ratio Lower Upper

152 100

115 56.9 31.3 93.9

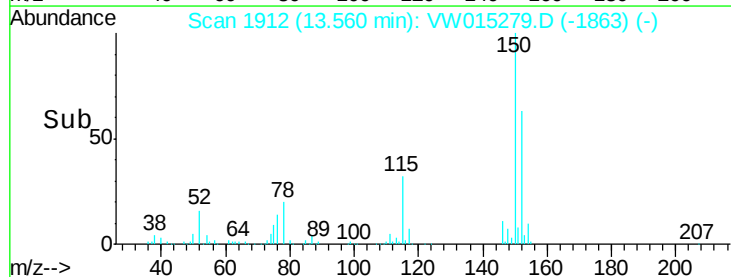
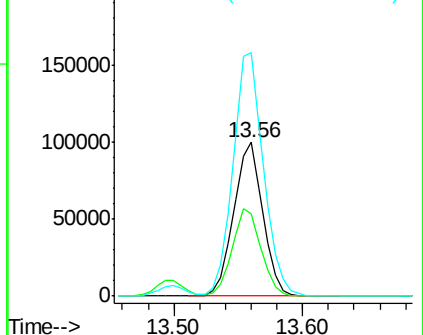
150 166.2 0.0 343.4

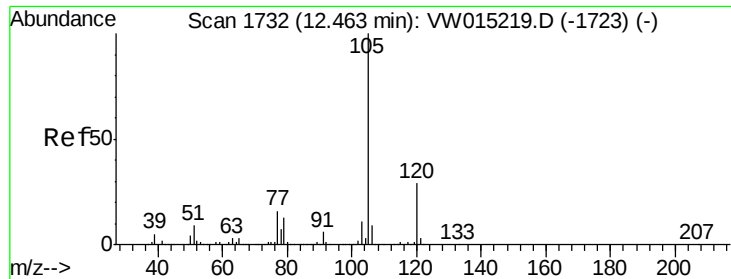


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





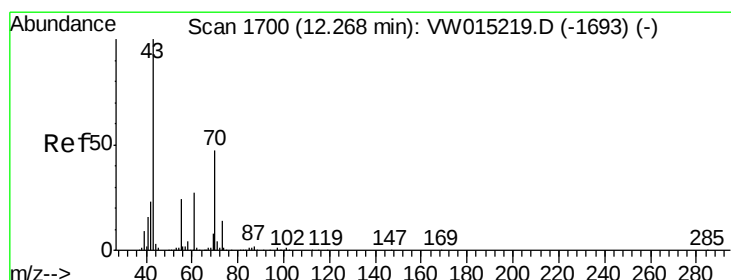
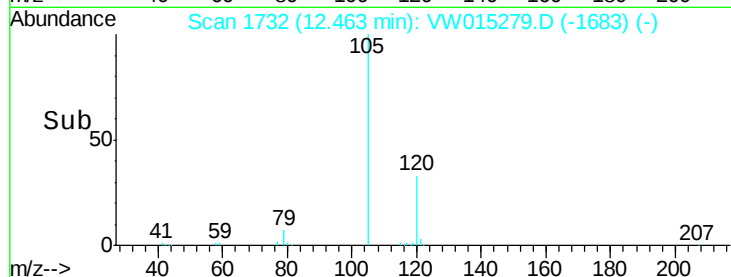
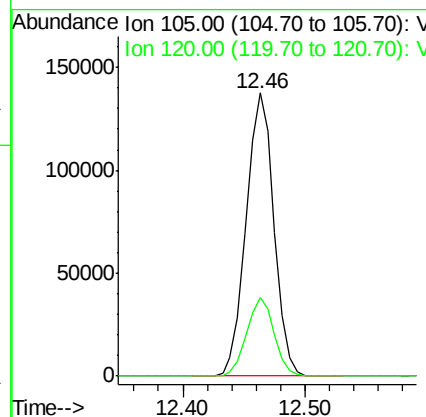
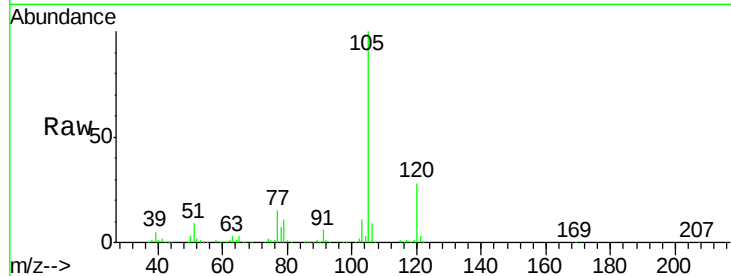
#73
Isopropylbenzene
Concen: 19.992 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VW015279.D
Acq: 21 Apr 2020 23:23

Instrument :
MSVOA_W
ClientSampleId :
VW0421SBS02

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.3	13.7	41.1

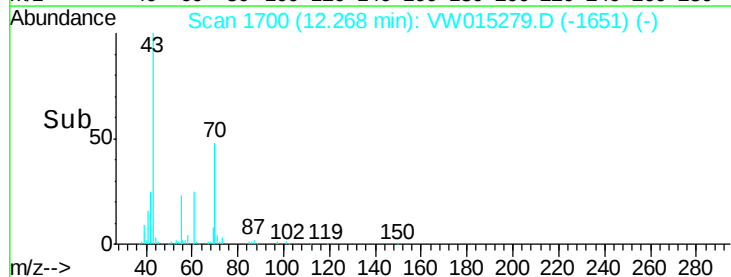
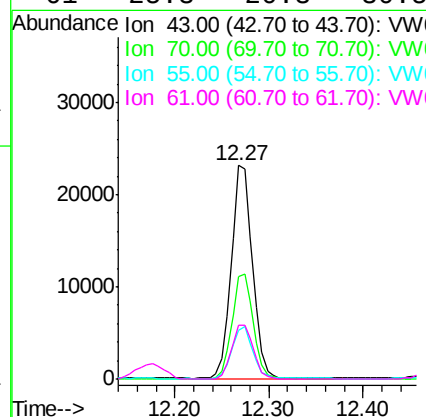
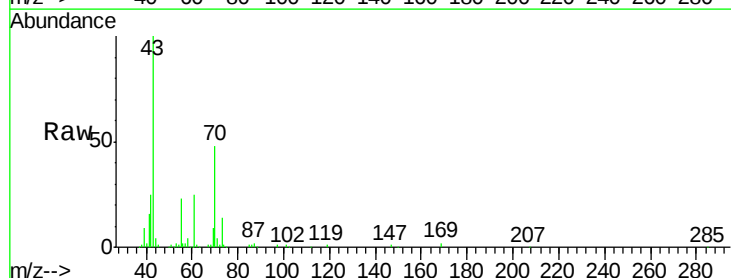
Manual Integrations
APPROVED

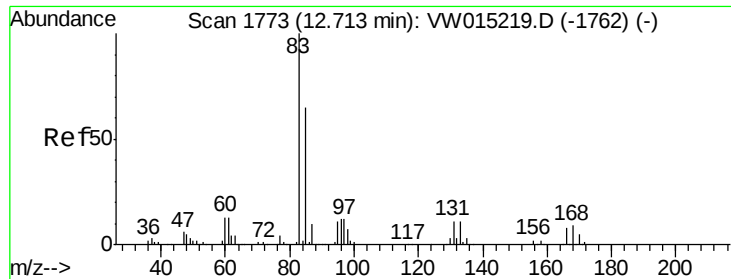
MMDadoda
4/22/2020 11:41:52 AM



#74
N-ethyl acetate
Concen: 19.525 ug/l
RT: 12.27 min Scan# 1700
Delta R.T. 0.00 min
Lab File: VW015279.D
Acq: 21 Apr 2020 23:23

Tgt Ion	Ratio	Lower	Upper
43	100		
70	48.4	35.4	53.2
55	24.2	18.5	27.7
61	25.3	20.3	30.5





#75

1,1,2,2-Tetrachloroethane

Concen: 20.094 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW015279.D

Acq: 21 Apr 2020 23:23

Instrument :

MSVOA_W

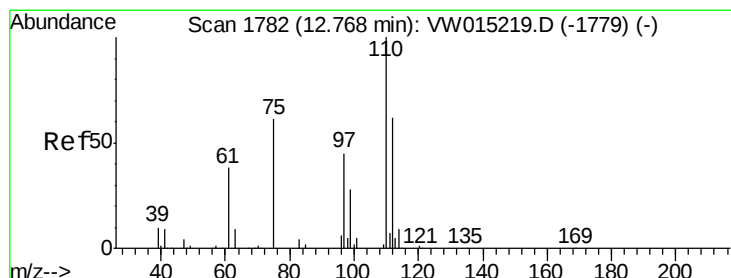
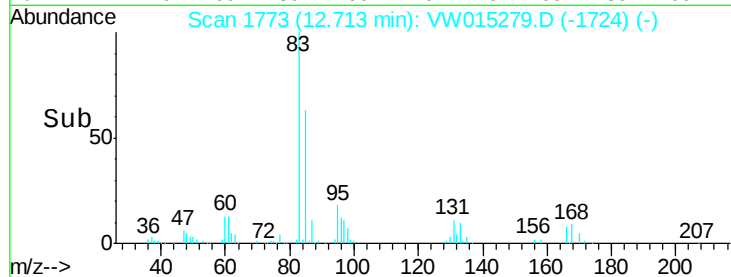
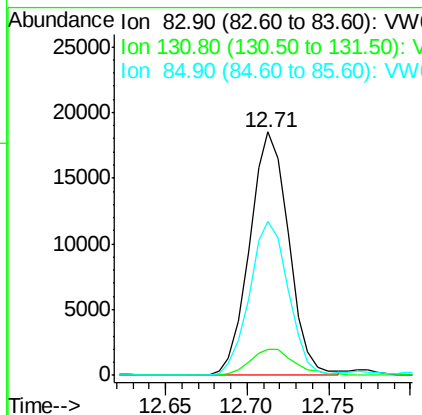
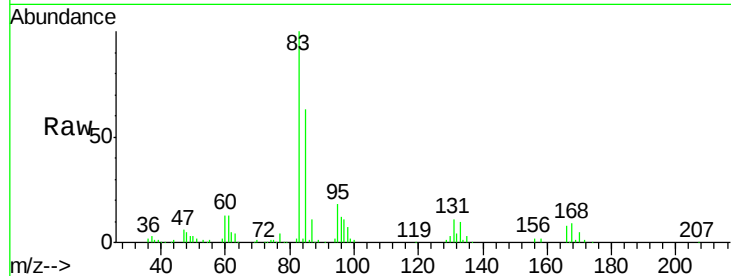
ClientSampleId :

VW0421SBSD02

Tot Ion:	83	Resp:	30832
Ion Ratio	Lower	Upper	
83	100		
131	12.3	5.1	15.2
85	62.7	32.3	96.8

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#76

1,2,3-Trichloropropane

Concen: 16.589 ug/l m

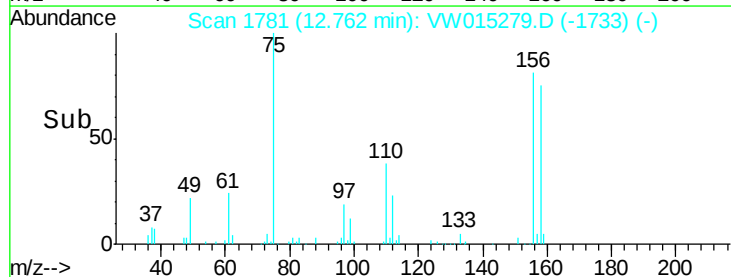
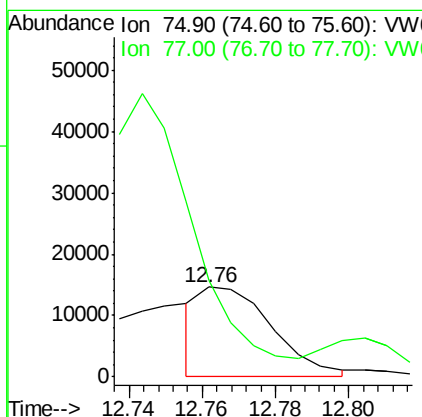
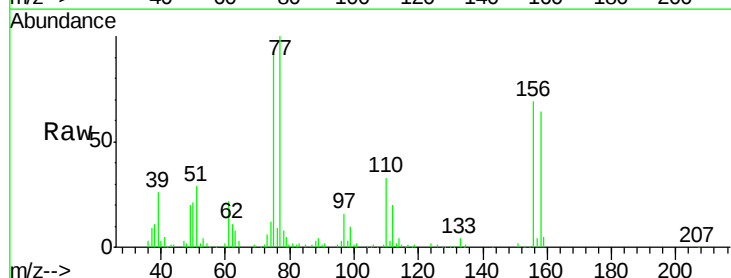
RT: 12.76 min Scan# 1781

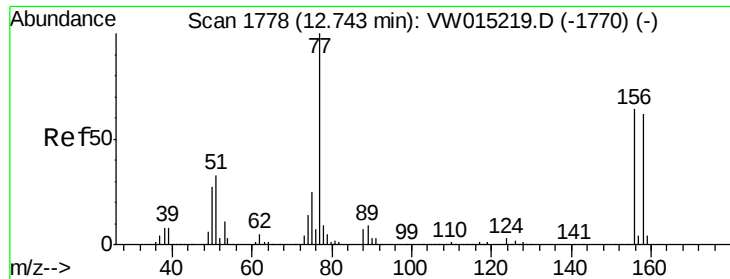
Delta R.T. -0.01 min

Lab File: VW015279.D

Acq: 21 Apr 2020 23:23

Tgt Ion:	75	Resp:	20003
Ion Ratio	Lower	Upper	
75	100		
77	420.1	0.0	0.0#





#77

Bromobenzene

Concen: 21.147 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW015279.D

Acq: 21 Apr 2020 23:23

Instrument :

MSVOA_W

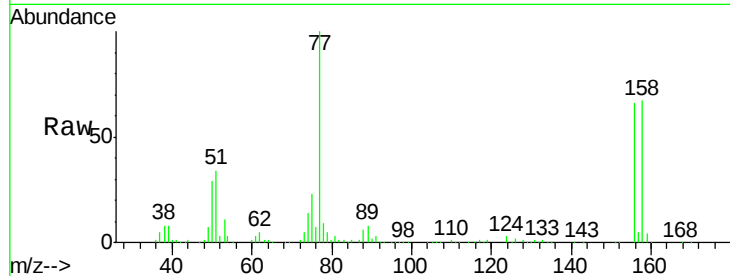
ClientSampleId :

VW0421SBSD02

Tot Ion	156	Resp	52504
Ion Ratio	Lower	Upper	
156	100		
77	160.0	100.5	301.5
158	95.8	47.9	143.8

Manual Integrations
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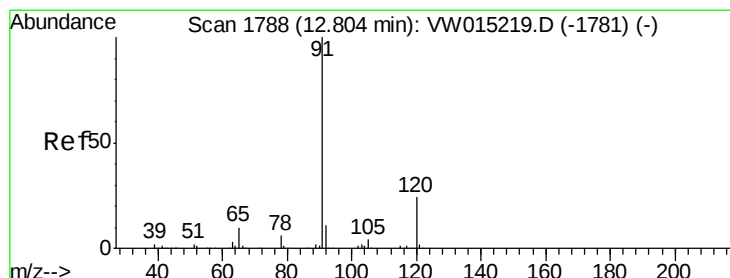
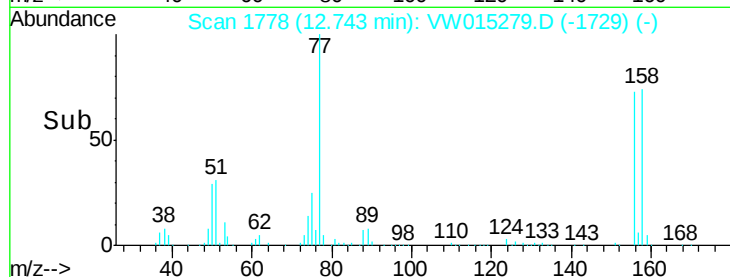
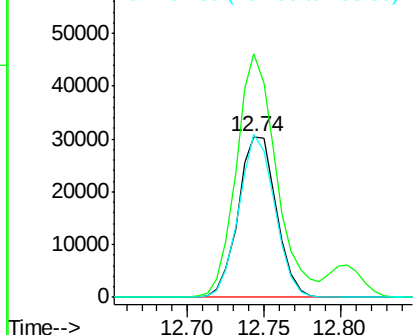


Abundance

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: 19.897 ug/l

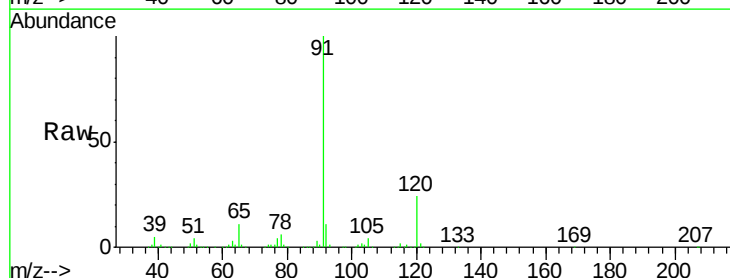
RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW015279.D

Acq: 21 Apr 2020 23:23

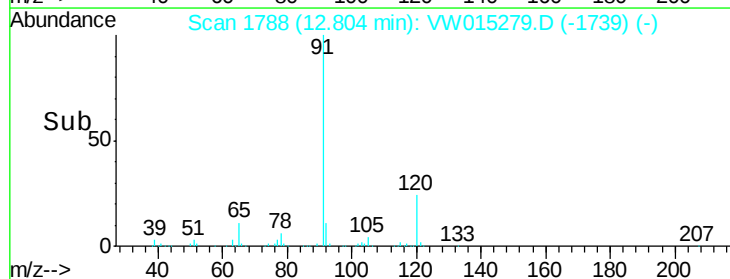
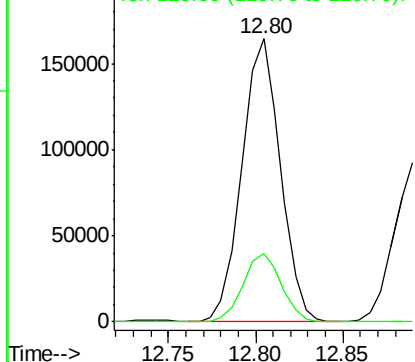
Tgt Ion	91	Resp	250350
Ion Ratio	Lower	Upper	
91	100		
120	24.2	11.4	34.1

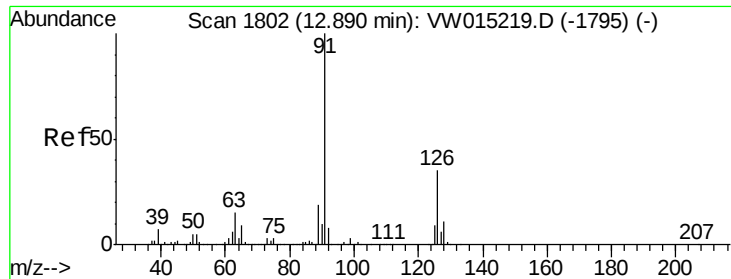


Abundance

Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.187 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW015279.D

Acq: 21 Apr 2020 23:23

Instrument :

MSVOA_W

ClientSampleId :

VW0421SBSD02

Tot Ion: 91 Resp: 143148

Ion Ratio Lower Upper

91 100

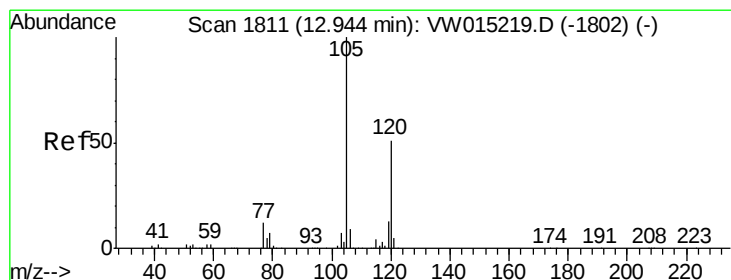
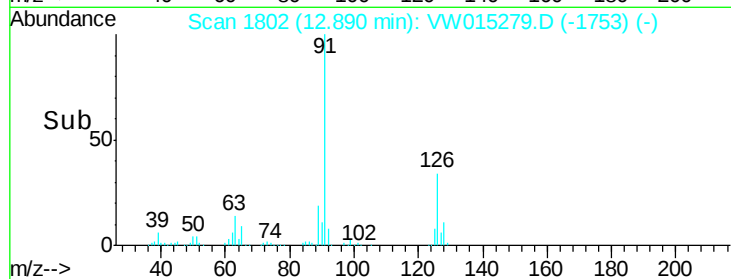
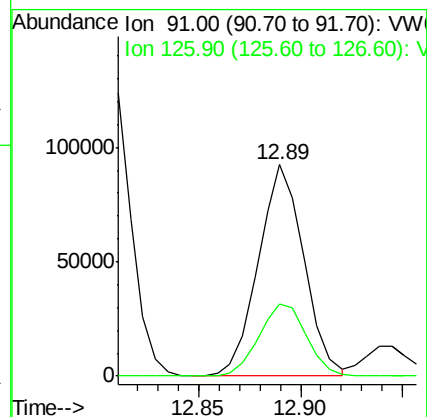
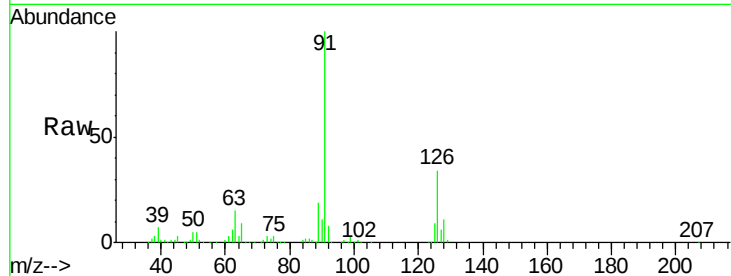
126 35.7 16.8 50.4

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 20.414 ug/l

RT: 12.94 min Scan# 1810

Delta R.T. -0.01 min

Lab File: VW015279.D

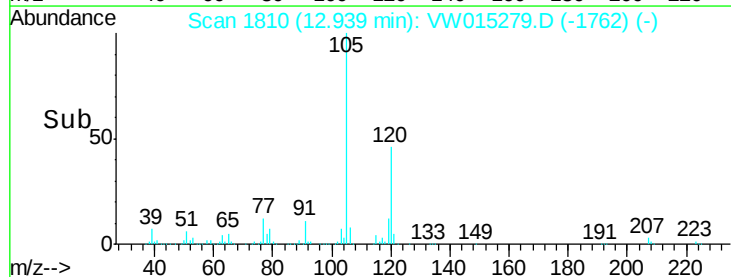
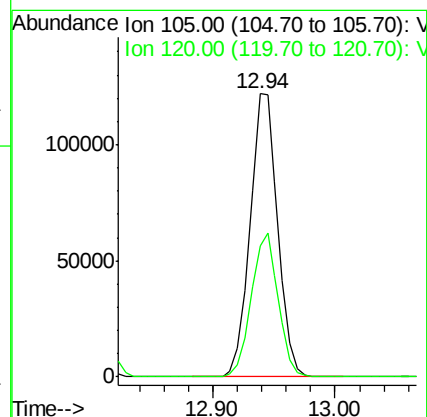
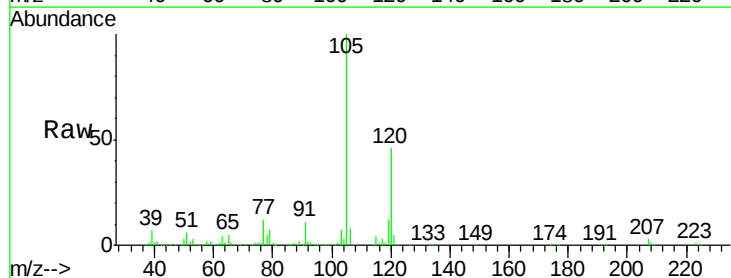
Acq: 21 Apr 2020 23:23

Tgt Ion:105 Resp: 190032

Ion Ratio Lower Upper

105 100

120 49.6 24.9 74.8





#81

trans-1,4-Dichloro-2-butene

Concen: 18.405 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW015279.D

Acq: 21 Apr 2020 23:23

Instrument :

MSVOA_W

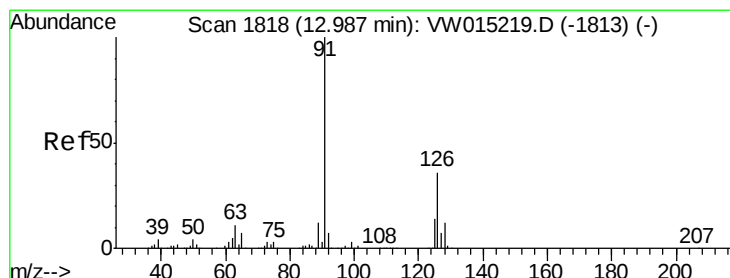
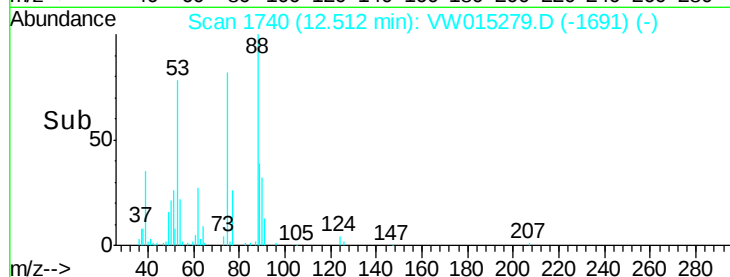
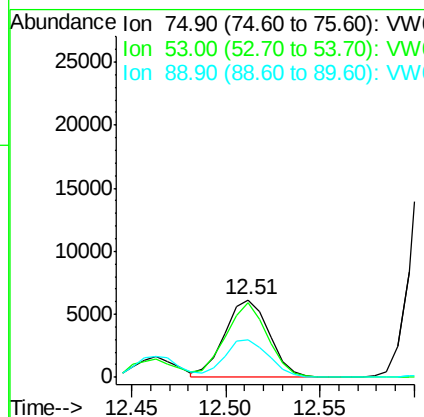
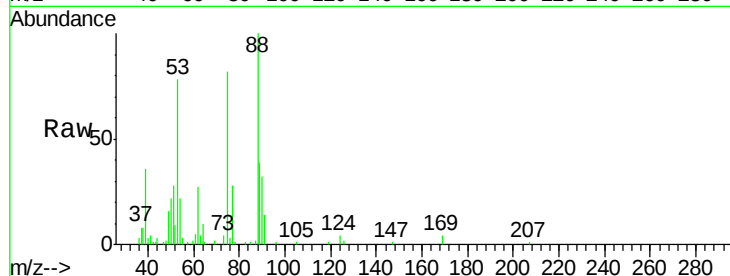
ClientSampleId :

VW0421SBS02

Tot Ion:	75	Resp:	10152
Ion Ratio	Lower	Upper	
75	100		
53	90.5	69.4	104.2
89	47.2	34.8	52.2

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#82

4-Chlorotoluene

Concen: 20.277 ug/l

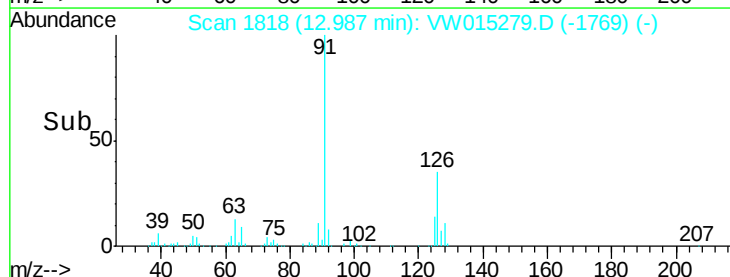
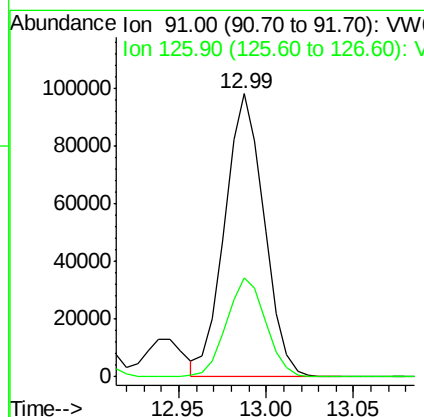
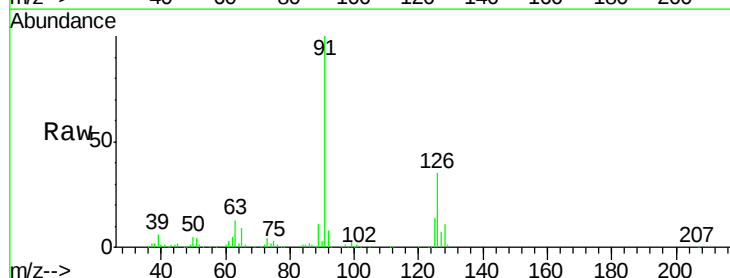
RT: 12.99 min Scan# 1818

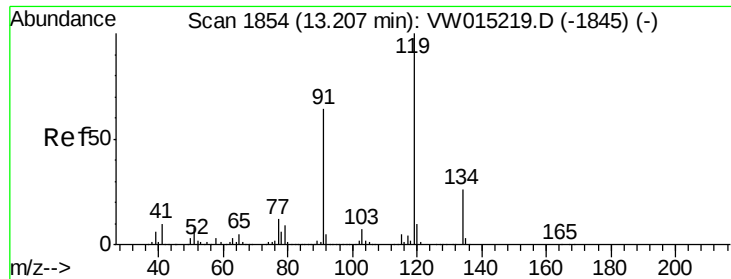
Delta R.T. 0.00 min

Lab File: VW015279.D

Acq: 21 Apr 2020 23:23

Tgt Ion:	91	Resp:	152660
Ion Ratio	Lower	Upper	
91	100		
126	34.8	16.8	50.3





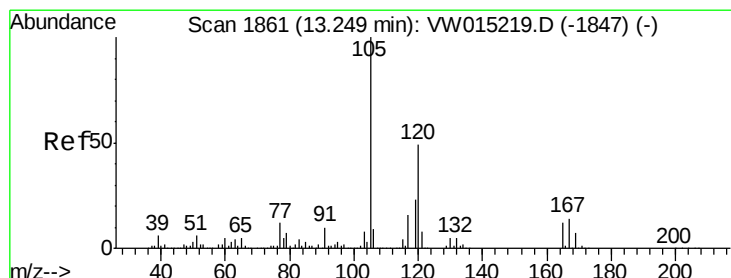
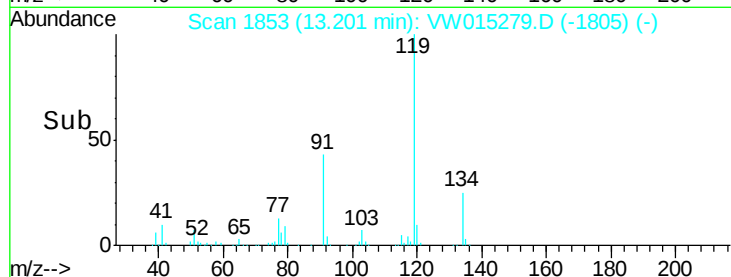
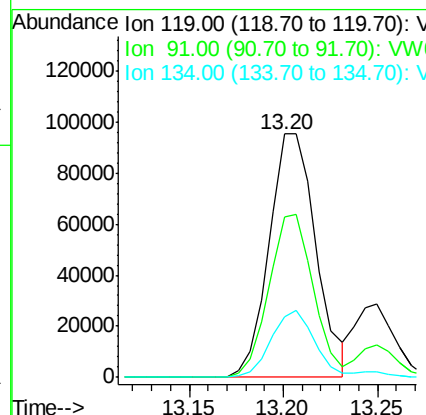
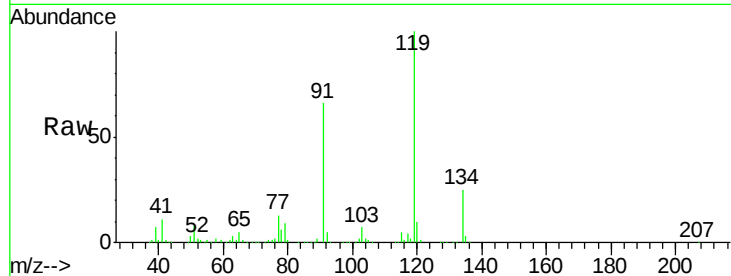
#83
tert-Butylbenzene
Concen: 20.173 ug/l
RT: 13.20 min Scan# 1853
Delta R.T. -0.01 min
Lab File: VW015279.D
Acq: 21 Apr 2020 23:23

Instrument :
MSVOA_W
ClientSampleId :
VW0421SBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	164136		
91	63.6	32.8	98.3	
134	25.7	13.3	39.9	

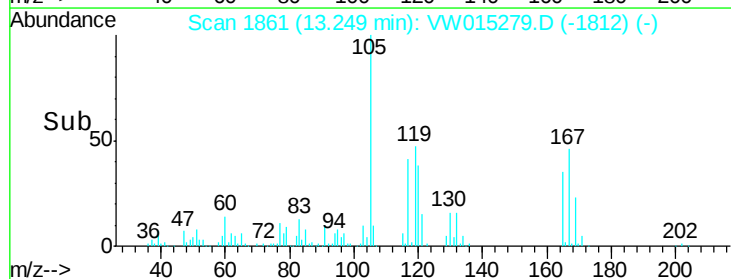
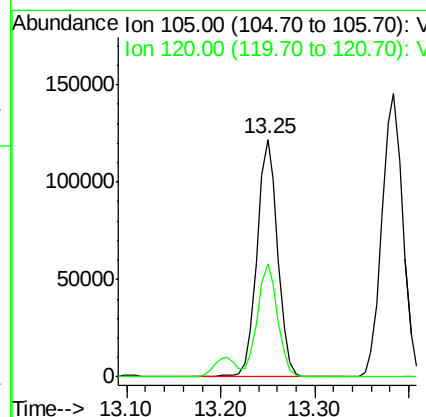
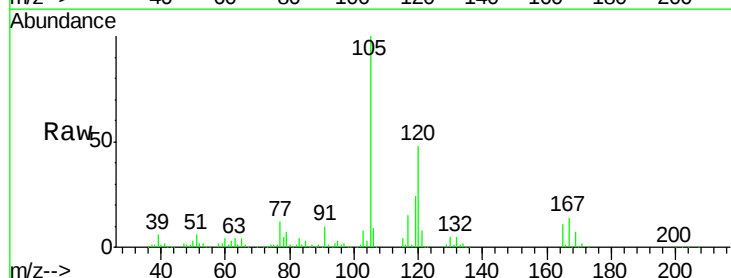
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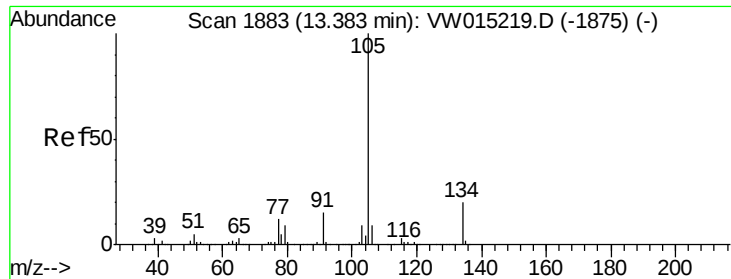
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#84
1,2,4-Trimethylbenzene
Concen: 20.491 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW015279.D
Acq: 21 Apr 2020 23:23

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	188145		
120	46.1	23.0	69.0	





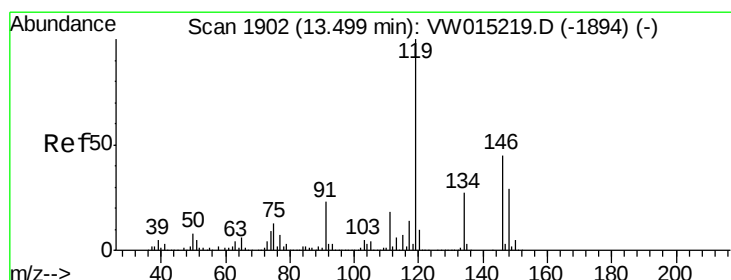
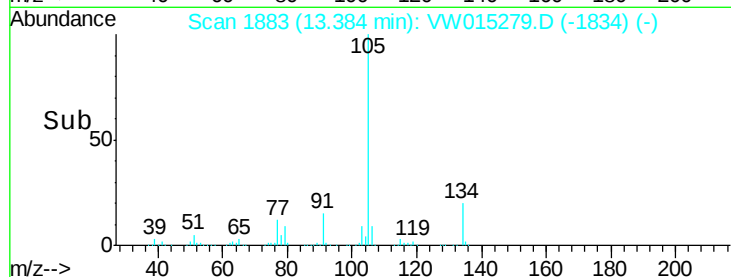
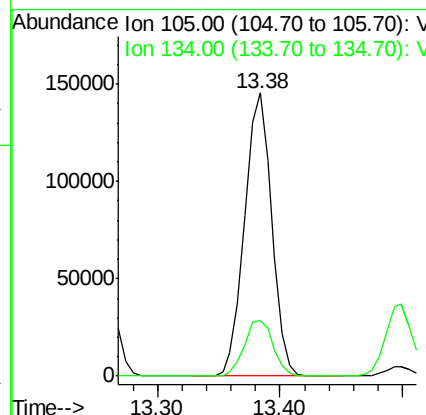
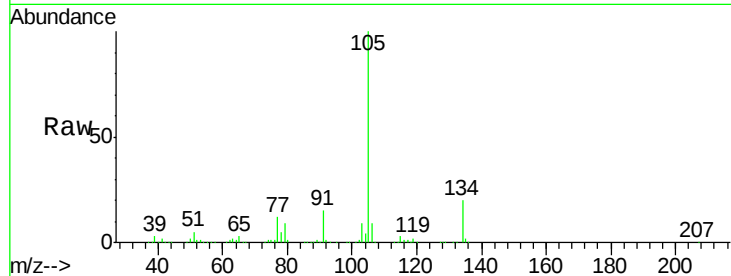
#85
 sec-Butylbenzene
 Concen: 19.872 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW015279.D
 Acq: 21 Apr 2020 23:23

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0421SBS02

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.9	10.1	30.1

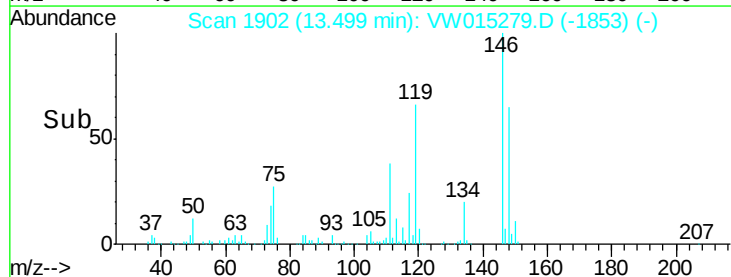
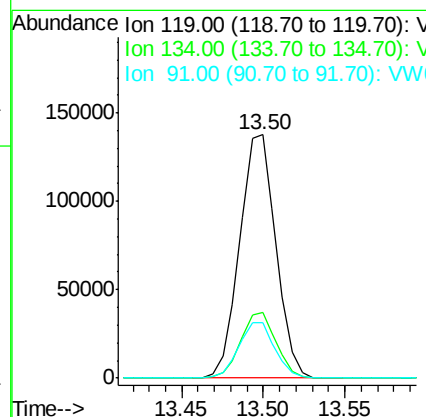
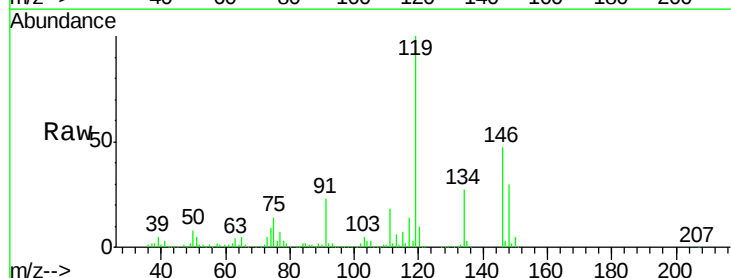
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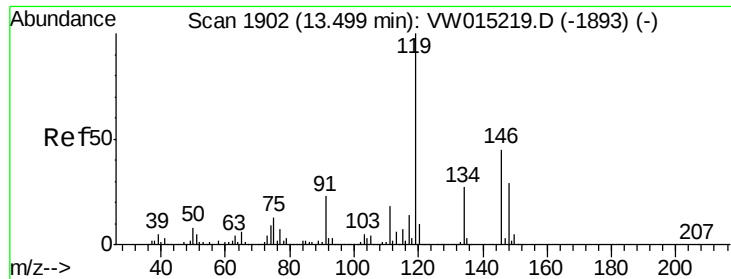
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#86
 p-Isopropyltoluene
 Concen: 20.354 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW015279.D
 Acq: 21 Apr 2020 23:23

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.6	13.3	39.9
91	22.6	12.0	36.1





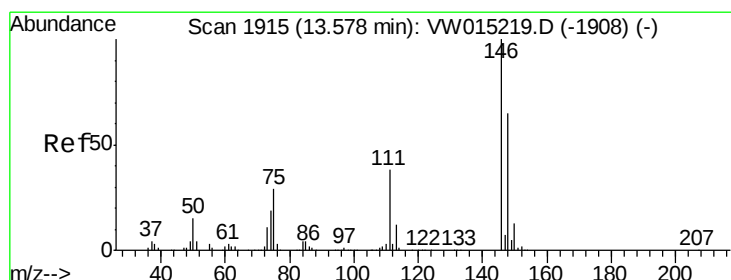
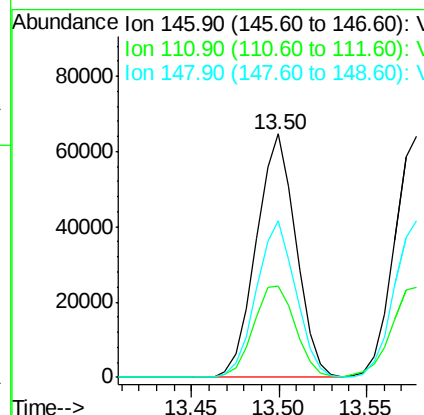
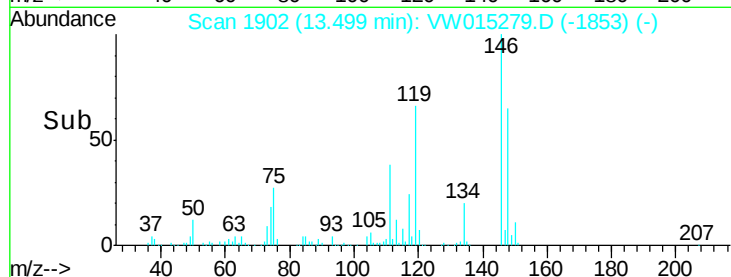
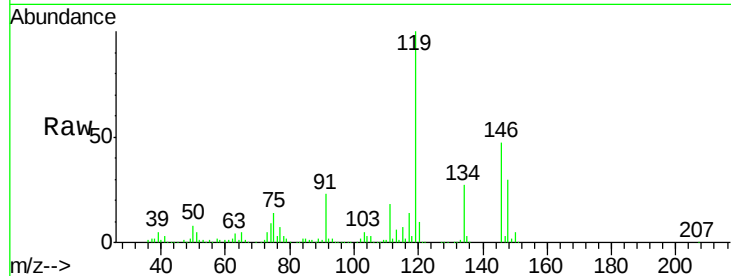
#87
1,3-Dichlorobenzene
Concen: 20.658 ug/l
RT: 13.50 min Scan# 1902
Delta R.T. 0.00 min
Lab File: VW015279.D
Acq: 21 Apr 2020 23:23

Instrument :
MSVOA_W
ClientSampleId :
VW0421SBS02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	101908		
111	39.6	21.1	63.4	
148	64.0	31.8	95.3	

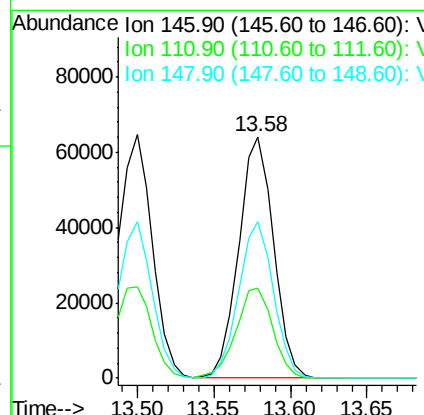
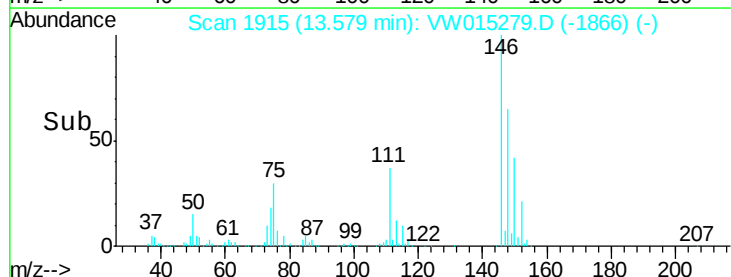
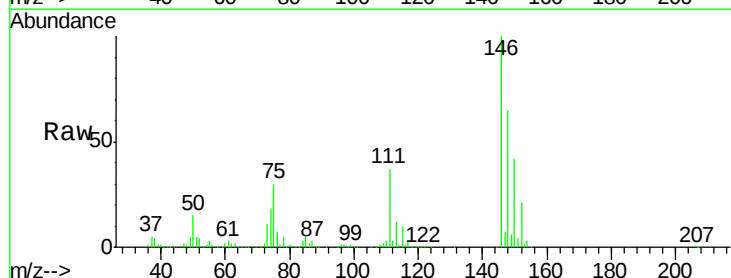
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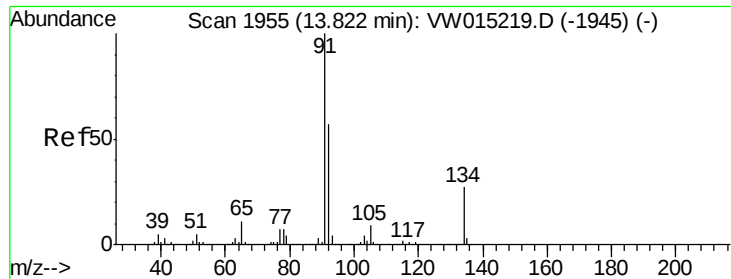
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#88
1,4-Dichlorobenzene
Concen: 20.915 ug/l
RT: 13.58 min Scan# 1915
Delta R.T. 0.00 min
Lab File: VW015279.D
Acq: 21 Apr 2020 23:23

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	101143		
111	39.3	20.4	61.3	
148	65.1	31.5	94.5	





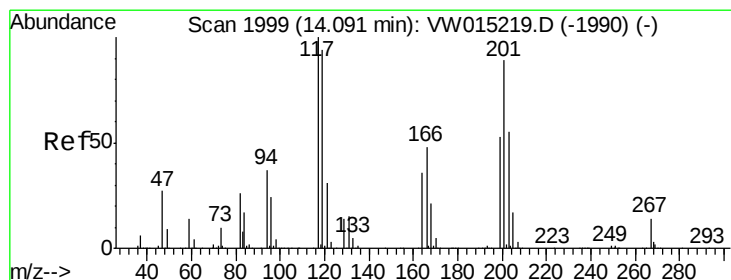
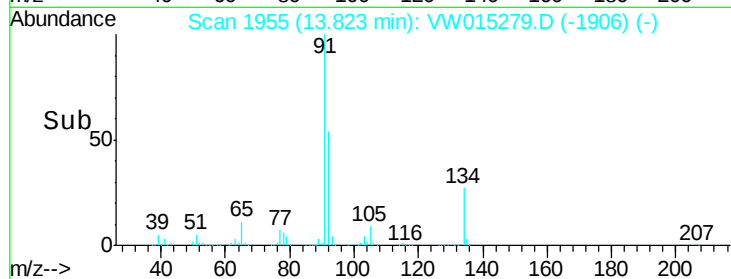
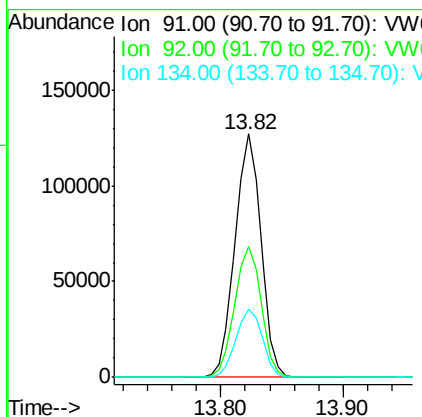
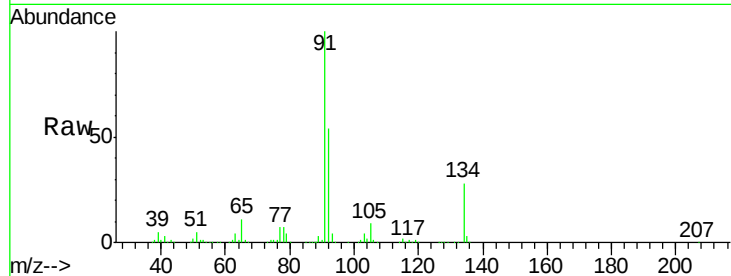
#89
n-Butylbenzene
Concen: 19.500 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW015279.D
Acq: 21 Apr 2020 23:23

Instrument :
MSVOA_W
ClientSampleId :
VW0421SBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.7	27.6	82.7
134	28.4	12.8	38.3

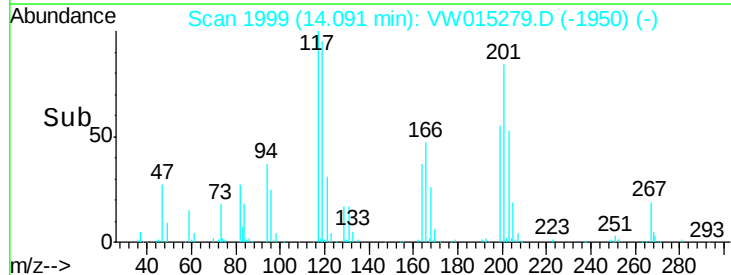
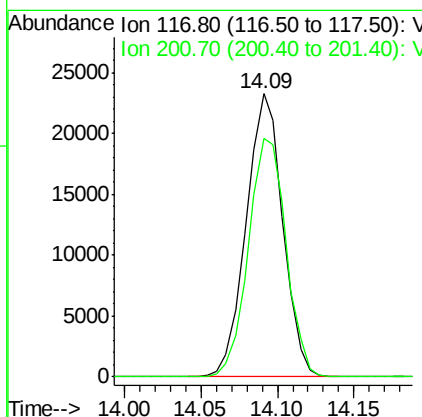
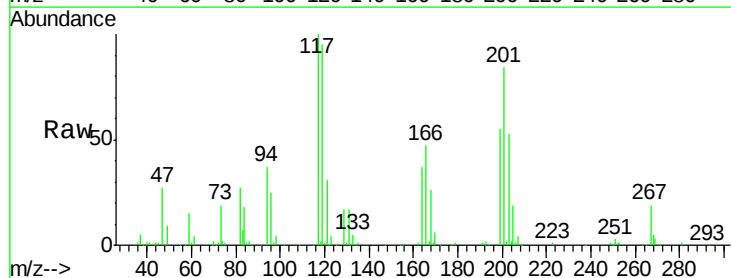
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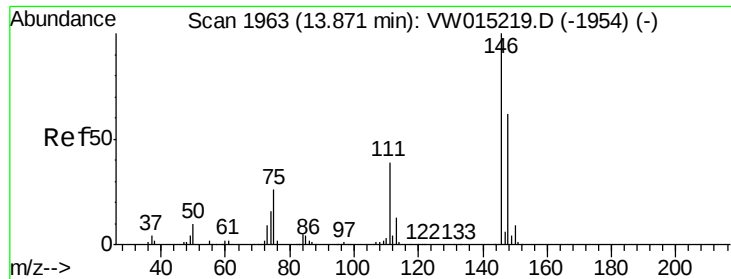
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#90
Hexachloroethane
Concen: 20.218 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. 0.00 min
Lab File: VW015279.D
Acq: 21 Apr 2020 23:23

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.9	33.6	100.6





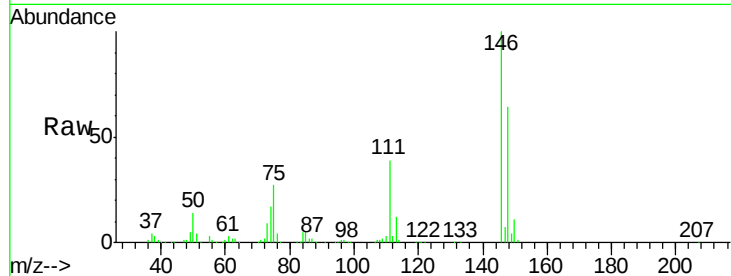
#91
 1,2-Dichlorobenzene
 Concen: 21.220 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW015279.D
 Acq: 21 Apr 2020 23:23

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0421SBSD02

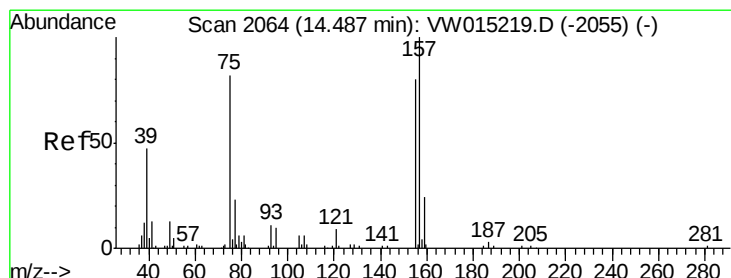
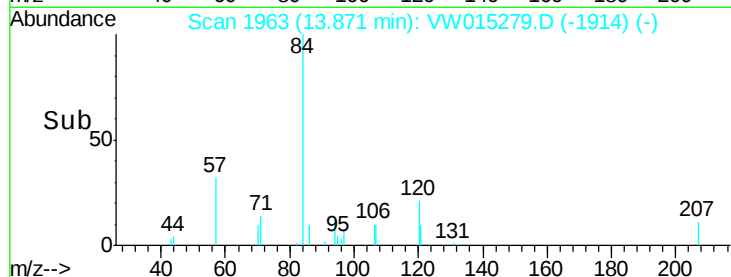
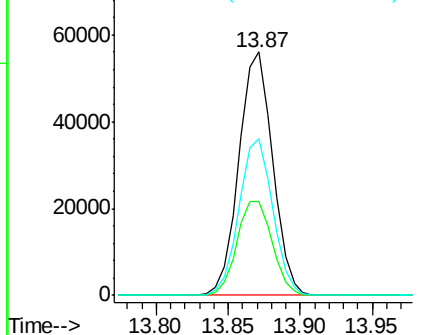
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	21.6	65.0
148	64.4	31.0	93.0

Manual Integrations
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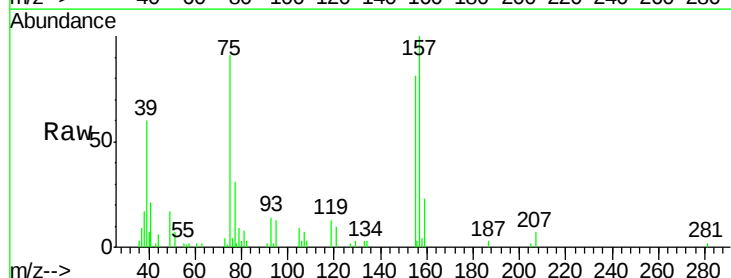


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

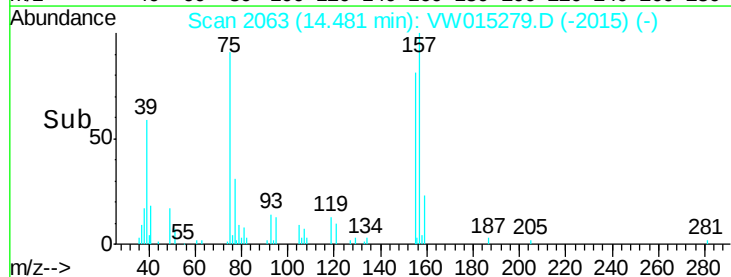
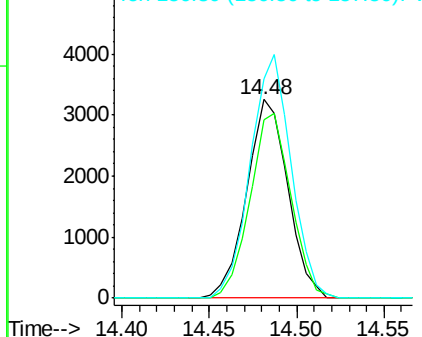


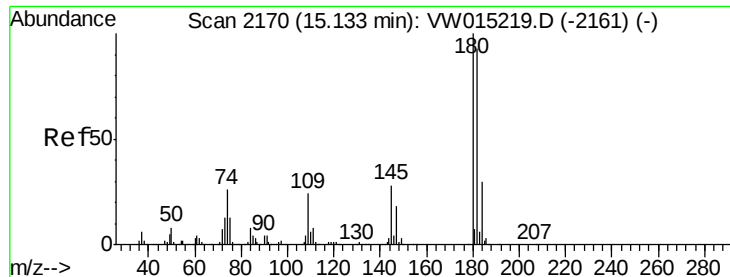
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.235 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW015279.D
 Acq: 21 Apr 2020 23:23

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.0	41.6	124.9
157	121.1	53.8	161.2



Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V





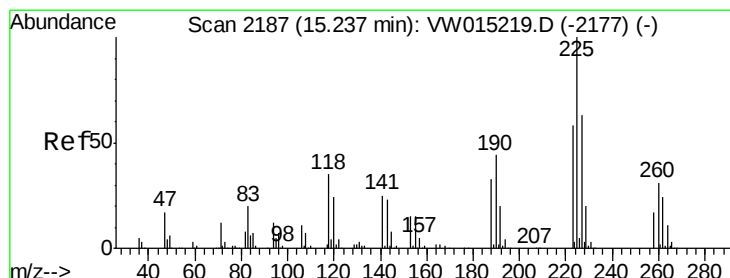
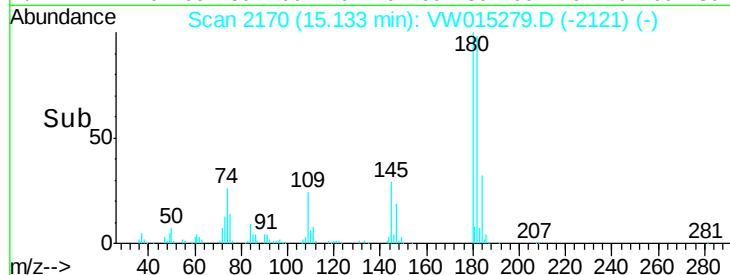
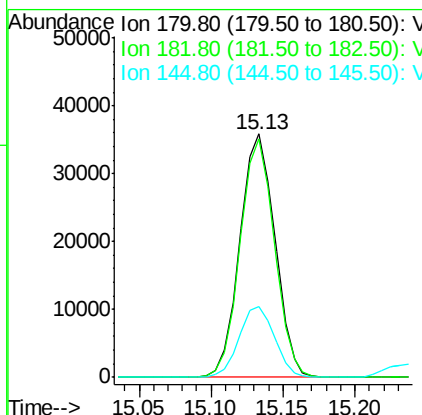
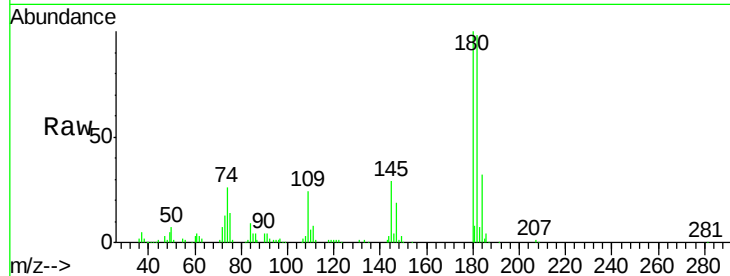
#93
 1,2,4-Trichlorobenzene
 Concen: 20.310 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW015279.D
 Acq: 21 Apr 2020 23:23

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0421SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	60517		
182	96.1	47.1	141.4	
145	29.2	16.2	48.6	

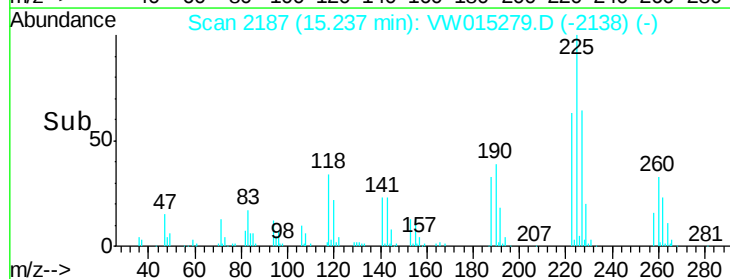
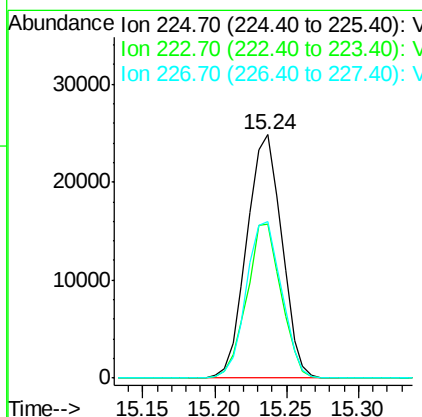
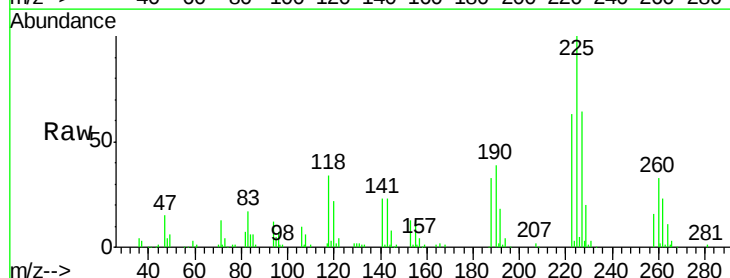
Manual Integrations
 APPROVED

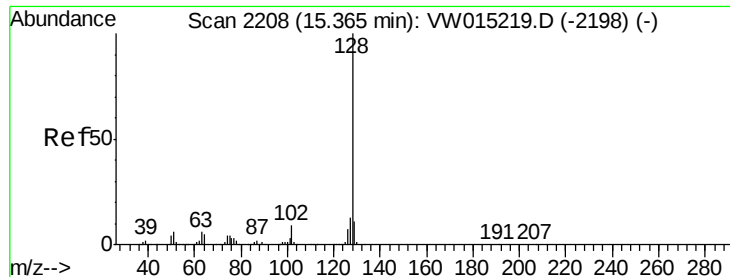
MMDadoda
 4/22/2020 11:41:52 AM



#94
 Hexachlorobutadiene
 Concen: 21.036 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW015279.D
 Acq: 21 Apr 2020 23:23

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	41790		
223	61.9	31.0	93.0	
227	64.9	30.8	92.3	





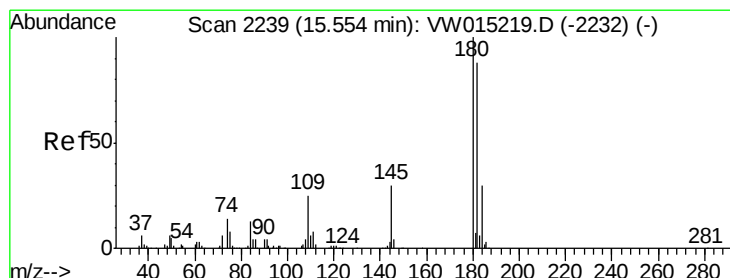
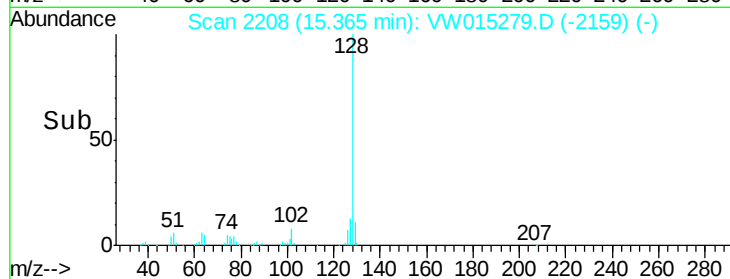
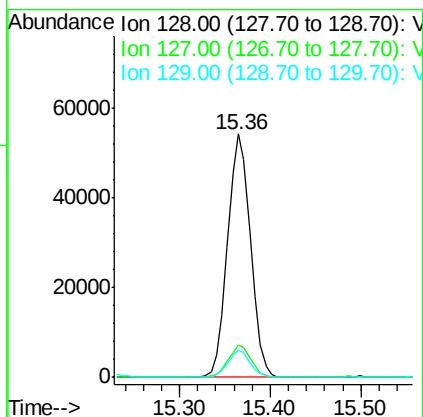
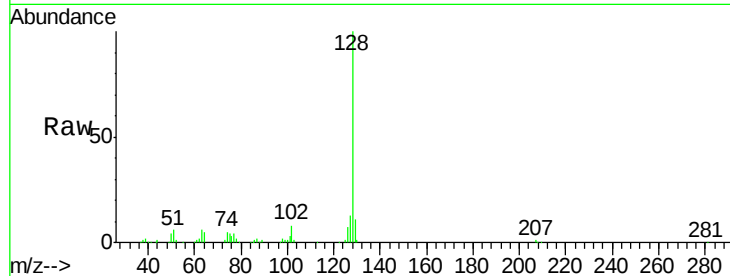
#95
Naphthalene
Concen: 19.886 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW015279.D
Acq: 21 Apr 2020 23:23

Instrument :
MSVOA_W
ClientSampleId :
VW0421SBS02

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.3	15.5
129	10.9	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
4/22/2020 11:41:52 AM



#96
1,2,3-Trichlorobenzene
Concen: 21.372 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VW015279.D
Acq: 21 Apr 2020 23:23

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.0	48.8	146.3
145	30.3	17.2	51.6

